A. General

1. Foundation and Slab

   a. Foundation construction: The foundation shall consist of concrete or equivalent materials and shall be designed by a licensed engineer or architect. The foundation shall be designed to support the loads of the structure and shall be constructed in accordance with applicable codes and standards.

   b. Slab construction: The slab shall be poured in accordance with the specifications and shall be designed to support the loads of the structure and shall be constructed in accordance with applicable codes and standards.

2. Wood Framing

   a. Stud size: The minimum size of framing members shall be as specified in the building code.

   b. Nailing: Nails shall be driven flush with the surface of the material and shall be of sufficient size to ensure stability and durability.

   c. Joist size: The minimum size of joists shall be as specified in the building code.

   d. Spacing: Joists shall be spaced as specified in the building code and shall be fastened securely to the subfloor or header joist.

3. Roofing

   a. Roof coverings: The roof covering shall be selected from materials approved by the building code.

   b. Flashing: Flashing shall be installed in accordance with the building code.

4. Insulation

   a. R-values: The minimum R-values shall be as specified in the building code.

   b. Insulation materials: Insulation materials shall be selected from those approved by the building code.

5. HVAC

   a. Heating: The heating system shall be designed to meet the heating load of the building.

   b. Cooling: The cooling system shall be designed to meet the cooling load of the building.

6. Electrical

   a. Electrical systems: The electrical systems shall be designed to meet the electrical load of the building.

   b. Grounding: Grounding shall be provided in accordance with the building code.

B. Structural

1. Load-bearing walls and partitions

   a. Load-bearing walls: Load-bearing walls shall be constructed of materials approved by the building code.

   b. Load-bearing partitions: Load-bearing partitions shall be constructed of materials approved by the building code.

2. Roof framing

   a. Rafters: Rafters shall be installed in accordance with the building code.

   b. Trusses: Trusses shall be installed in accordance with the building code.

3. Columns

   a. Masonry columns: Masonry columns shall be constructed in accordance with the building code.

   b. Steel columns: Steel columns shall be constructed in accordance with the building code.

4. Architectural elements

   a. Stairs: Stairs shall be constructed in accordance with the building code.

   b. Windows: Windows shall be installed in accordance with the building code.

5. Fire-protection

   a. Fireproofing: Fireproofing shall be provided in accordance with the building code.

   b. Firestopping: Firestopping shall be provided in accordance with the building code.

C. Environmental

1. Water conservation

   a. Water fixtures: Water fixtures shall be selected from those approved by the building code.

   b. Water reclamation systems: Water reclamation systems shall be installed in accordance with the building code.

2. Energy conservation

   a. Insulation: Insulation shall be provided in accordance with the building code.

   b. HVAC systems: HVAC systems shall be designed to meet the energy conservation requirements of the building code.

3. Lighting

   a. Lighting fixtures: Lighting fixtures shall be selected from those approved by the building code.

   b. Energy-efficient lighting: Energy-efficient lighting shall be provided in accordance with the building code.

4. Water-roof systems

   a. Roof flashing: Roof flashing shall be installed in accordance with the building code.

   b. Drainage systems: Drainage systems shall be installed in accordance with the building code.

5. Ventilation

   a. Ventilation systems: Ventilation systems shall be installed in accordance with the building code.

   b. Exhaust fans: Exhaust fans shall be installed in accordance with the building code.

D. Safety

1. Fire safety

   a. Smoke detectors: Smoke detectors shall be installed in accordance with the building code.

   b. Fire extinguishers: Fire extinguishers shall be installed in accordance with the building code.

2. Security

   a. Security systems: Security systems shall be installed in accordance with the building code.

   b. Security windows: Security windows shall be installed in accordance with the building code.

TABLE 608.3.37 FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

<table>
<thead>
<tr>
<th>Structural Member</th>
<th>Minimum Fastener Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shear wall</td>
<td>1/2-inch-diameter steel bolts</td>
</tr>
<tr>
<td>Slab or roof joist</td>
<td>1/2-inch-diameter steel bolts</td>
</tr>
<tr>
<td>Truss</td>
<td>1/2-inch-diameter steel bolts</td>
</tr>
<tr>
<td>Column</td>
<td>1/2-inch-diameter steel bolts</td>
</tr>
</tbody>
</table>

The above table is a summary of the minimum fastener sizes required for various structural members. For more detailed information, please refer to the relevant building code and standards.