COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION
101 NW "A' Street
Grants Pass, OR 97526
Front Desk 541-474-6355 Fax 541-476-9218

SPECIAL INSPECTION AGREEMENT

Project Address: _____ Permit #: _____

Occupancy Category (1604.5): _____ Seismic Design Category (1613.5.6): _____

PART 1 – STATEMENT OF SPECIAL INSPECTIONS

When special inspection is required to be performed in accordance with Oregon Structural Specialty Code ("OSSC") chapter 17, a building permit cannot be issued until a statement of special inspections has been submitted by the registered design professional in responsible charge and approved by the Building Division. Pursuant to OSSC section 1705, the statement of special inspections shall identify the materials, systems, components and work requiring special inspection or testing; the type and extent of each special inspection; the type and extent of each test; additional requirements for seismic resistance special inspection or testing; and for each type of special inspection identification as to whether it will be continuous special inspection or periodic special inspection.

Check the items listed below for which special inspection is required to be performed as required by code (please refer to OSSC sections indicated in parentheses) and complete and attach the related Schedule as required for each item checked.

- ❑ Shop fabrication of load-bearing members (1704.2)
  - ❑ Special inspection is not required where the work is done on the premises of an approved fabricator (1704.2.2): *attach approved fabricator's certificate of compliance or registration by a nationally recognized accrediting authority as approved fabricator and fill out the fabricator's certificate of compliance (provided by the building department)*
- ❑ Steel construction (1704.3): *attach* ***Schedule A***
- ❑ Concrete construction (1704.4): *attach* ***Schedule B***
- ❑ Masonry construction (1704.5): *attach* ***Schedule C1 or C2***
- ❑ Wood construction (1704.6): *attach* ***Schedule D***
- ❑ Soils (1704.7): *attach* ***Schedule E1***
- ❑ Pile foundations (1704.8): *attach* ***Schedule E2***
- ❑ Pier foundations (1704.9): *attach* ***Schedule E3***
- ❑ Sprayed fire-resistant materials (1704.10): *attach* ***Schedule F***
- ❑ Mastic and intumescent fire-resistant coatings
- ❑ Exterior insulation and finish systems (1704.12)
- ❑ Special cases (1704.13): *attach* ***Schedule G***
- ❑ Smoke control systems (1704.14)

For Occupancy Categories III or IV check seismic resistance items listed below.

- ❑ Contractor's statement of responsibility for seismic resistance (1706): *attach* ***Schedule H***
- ❑ Special inspections for seismic resistance (1707): *attach* ***Schedule I***
- ❑ Structural testing for seismic resistance (1708): *attach* ***Schedule J***

For structures assigned to Seismic Design Categories D, E or F, check the item below as applicable.

- ❑ Structural observations for seismic resistance (1709.2): *attach* ***Schedule K***

_____ _____ _____
Responsible Design Professional's Name (*Please Print*) Responsible Design Professional's Signature Date

PART 2 – ACKNOWLEDGEMENTS

Owner, or responsible design professional acting as Owner's agent, hereby acknowledges that it shall employ the Testing Agency or Testing Agencies and Structural Observer identified below who shall provide the special inspections, testing or structural observations as specified in the above Statement of Special Inspections during construction. Before a request for a final inspection can be granted or a Certificate of Occupancy issued by the Building Division, each Testing Agency or Structural Observer as identified below shall submit a final report to the Building Division documenting required special inspections and correction of any discrepancies noted in the inspections. (1704.1.2)

Owner Name (*Please Print*)	Owner's Signature	Date
General Contractor Name (*Please Print*)	Contractor's Signature	Date
Testing Agency "A" Name (*Please Print*)	Testing Agency A's Signature	Date
Testing Agency "B" Name (*Please Print*)	Testing Agency B's Signature	Date
Testing Agency "C" Name (*Please Print*)	Testing Agency C's Signature	Date
Structural Observer's Name (*Please Print*)	Structural Observer's Signature	Date
	Building Division Approval	Date

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SCHEDULE A – STEEL CONSTRUCTION (SEE OSSC TABLE 1704.3 AND SECTION 1704.3 EXCEPTIONS)

- ☐ 1. Periodic material verification of high-strength bolts, nuts and washers:
  - ☐ Identification markings to conform to ASTM standards specified in the approved construction documents.
  - ☐ Manufacturer's certificate of compliance required.
- ☐ 2. Inspection of high-strength bolting:
  - ☐ Periodic inspection of bearing-type connections.
  - ☐ Periodic inspection of slip-critical connections, turn-of-the-nut with match-making, direct-tension indicator or twist-off bolt methods.
  - ☐ Continuous inspection of slip-critical connections, calibrated wrench or turn-of nut without match-making.
- ☐ 3. Periodic material verification of structural steel:
  - ☐ Identification of markings to conform to AWS specification in the approved construction documents.
  - ☐ Manufacturer's certificate of compliance required.
- ☐ 4. Periodic material verification of weld filler materials:
  - ☐ Identification of markings to conform to AWS specification in the approved construction documents.
  - ☐ Manufacturer's certificate of compliance required.
- ☐ 5a. Inspection of structural steel welding:
  - ☐ Continuous inspection of complete and partial penetration groove welds.
  - ☐ Continuous inspection of multi-pass fillet welds.
  - ☐ Continuous inspection of single-pass fillet welds > 5/16".
  - ☐ Periodic inspection of single-pass fillet welds ≤ 5/16".
  - ☐ Periodic inspection of floor and deck welds.
  - ☐ Periodic inspection of welded studs not installed with an automatically timed stud welding machine per AWS D1.1 Section 7.
  - ☐ Periodic inspection of welded studs installed with an automatically timed stud welding machine per AWS D1.1 Sections 7 & 7.8.1.
- ☐ 5b. Inspection of reinforcing steel welding:
  - ☐ Periodic verification of weldability of reinforcing steel other than ASTM A 706.
  - ☐ Continuous inspection of reinforcing steel resisting flexural and axial forces in intermediate and special moment frames.
  - ☐ Continuous inspection of reinforcing steel in boundary elements of special concrete shear walls and shear reinforcement.
  - ☐ Continuous inspection of shear reinforcement.
  - ☐ Periodic inspection of other reinforcing steel.
- ☐ 6. Periodic inspection of steel frame joint details for compliance with approved construction documents:
  - ☐ Details such as bracing and stiffening.
  - ☐ Member locations.
  - ☐ Application of joint details at each connection.

Notes: _____

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SCHEDULE B – CONCRETE CONSTRUCTION (SEE OSSC TABLE 1704.4 AND SECTION 1704.4 EXCEPTIONS)

- ❑ 1. Periodic inspection of reinforcing steel, including prestressing tendons, and placement.
- ❑ 2. Inspection of reinforcing steel welding in accordance with Schedule A, Item 5b. (*attach **Schedule A***)
- ❑ 3. Continuous inspection of bolts installed in concrete where allowable loads have been increased.
- ❑ 4. Periodic verification of required design mix.
- ❑ 5. Continuously, when sampling of fresh concrete specimens for strength tests, perform slump and air content tests and determine temperature of concrete.
- ❑ 6. Continuous inspection of concrete and shotcrete for proper application techniques.
- ❑ 7. Periodic inspection for maintenance of specified curing temperature and techniques.
- ❑ 8. Inspection of prestressed concrete:
  - ❑ Continuous inspection of application of prestressing forces.
  - ❑ Continuous inspection of grouting of bonded prestressing tendons in the seismic force-resisting system.
- ❑ 9. Periodic inspection of erection of precast concrete members.
- ❑ 10. Periodic verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores
- ❑ 11. Periodic inspection of formwork for shape, location and dimensions of the concrete member being formed.

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SCHEDULE C1 – MASONRY CONSTRUCTION, LEVEL 1 (SEE OSSC TABLE 1704.5.1 AND SECTION 1704.5 EXCEPTIONS)

Required for engineered masonry in Occupancy Categories I, II or III or empirically designed masonry, glass unit masonry or masonry veneer in Occupancy Category IV

- ❑ 1. Verification as masonry construction begins:
  - ❑ Periodic verification of proportions of site-prepared mortar.
  - ❑ Periodic inspection of construction of mortar joints.
  - ❑ Periodic inspection of placement of reinforcement and connectors.
  - ❑ Periodic inspection of prestressing technique.
  - ❑ Periodic verification of grade and size of prestressing tendons and anchorages.
- ❑ 2. Inspections during masonry construction:
  - ❑ Periodic verification of the size and location of structural elements.
  - ❑ Periodic verification of the size and location of anchors, including other details of anchorage to masonry to structural members.
  - ❑ Periodic verification of the size, grade and type of reinforcement.
  - ❑ Continuous inspection of welding of reinforcing bars.
  - ❑ Periodic verification of protection of masonry during cold weather (<40 deg F) or hot weather (>90 deg F).
  - ❑ Periodic inspection of application and measurement of prestressing force.
- ❑ 3. Verification prior to grouting:
  - ❑ Periodic inspection of grout space prior to grouting.
  - ❑ Periodic verification of placement of reinforcement and connectors and prestressing tendons and anchorages.
  - ❑ Periodic verification of proportions of site-prepared grout and prestressing grout for bonded tendons.
  - ❑ Periodic verification of construction of mortar joints.
- ❑ 4. Verification of grout placement to ensure compliance with code and construction document provisions:
  - ❑ Continuous inspection of grouting of prestressing bonded tendons.
- ❑ 5. Continuous observation of preparation of grout specimens, mortar specimens or prisms.
- ❑ 6. Periodic verification of compliance with required inspection provisions of the construction documents and approved submittals.

SCHEDULE C2 – MASONRY CONSTRUCTION, LEVEL 2 (SEE OSSC TABLE 1704.5.3 AND SECTION 1704.5 EXCEPTIONS)

Required for engineered masonry in Occupancy Category IV

- ❑ 1. Verification as masonry construction begins:
  - ❑ Periodic verification of proportions of site-prepared mortar, grout and prestressing grout for bonded tendons.
  - ❑ Periodic inspection of placement of masonry units and construction of mortar joints.
  - ❑ Periodic inspection of placement of reinforcement, connectors and prestressing tendons and anchorages.
  - ❑ Continuous inspection of grout space prior to grouting.
  - ❑ Continuous inspection of placement of grout.
  - ❑ Continuous inspection of placement of prestressing grout.
- ❑ 2. Inspections during masonry construction:
  - ❑ Periodic verification of the size and location of structural elements.
  - ❑ Continuous verification of the size and location of anchors, including other details of anchorage to masonry to structural members.
  - ❑ Periodic verification of the size, grade and type of reinforcement.
  - ❑ Continuous inspection of welding of reinforcing bars.
  - ❑ Periodic verification of protection of masonry during cold weather (<40 deg F) or hot weather (>90 deg F).
  - ❑ Continuous inspection of application and measurement of prestressing force.
- ❑ 3. Continuous observation of preparation of grout specimens, mortar specimens or prisms.
- ❑ 4. Periodic verification of compliance with required inspection provisions of the construction documents and approved submittals.

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SCHEDULE D – WOOD CONSTRUCTION

- ❑ Shop fabrication of pre-fabricated wood structural elements.
- ❑ Periodic inspection of site-built assemblies.
  - ❑ For high-load diaphragms designed using Table 2306.3.2, periodic verification of sheathing panel grade and thickness, nominal size of framing members at adjoining panel edges, fastener diameter and length, the number of fastener lines and spacing between fasteners.

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SCHEDULE E1 – SOILS (SEE OSSC TABLE 1704.7)

- ❑ Periodic verification that materials below footings are adequate to achieve the design bearing capacity.
- ❑ Periodic verification that excavations have extended to proper depth and have reached proper material.
- ❑ Periodic classification and testing of controlled fill materials.
- ❑ Continuous verification of use of proper materials, densities and lift thicknesses during placement and compaction of controlled fill.
- ❑ Prior to placement of controlled fill, periodically observe subgrade and verify that the site has been properly prepared.

Notes: _____

SCHEDULE E2 – PILE FOUNDATIONS (SEE OSSC TABLE 1704.8)

- ❑ Continuous verification that pile materials, sizes and lengths comply with the approved construction documents.
- ❑ Continuous determination of test pile capacities and additional load testing.
- ❑ Continuous observation of pile driving operations and maintenance of complete and accurate pile driving records for each pile.
- ❑ Continuous verification of placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document pile damage.
- ❑ For steel piles perform additional special inspections in accordance with OSSC 1704.3 (*attach **Schedule A***).
- ❑ For concrete piles and concrete-filled piles perform additional special inspections in accordance with OSSC 1704.4 (*attach **Schedule B***).
- ❑ For specialty piles, perform additional inspections as noted below.
- ❑ For augered uncased piles and caisson piles, perform inspections in accordance with OSSC 1704.9 (*attach **Schedule E3***).

Notes: _____

SCHEDULE E3 – PIER FOUNDATIONS (SEE OSSC TABLE 1704.9)

- ❑ Continuous observation of drilling operations and maintenance of complete and accurate records for each pier.
- ❑ Continuous verification that excavations have extended to proper depth and have reached proper material.
- ❑ Continuous verification of placement locations and plumbness; and confirm pier diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end bearing capacity.
- ❑ For concrete piers perform additional special inspections in accordance with OSSC 1704.4 (*attach **Schedule B***).
- ❑ For masonry piers perform additional special inspections in accordance with OSSC 1704.5 (*attach **Schedule C1 or C2***).

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SCHEDULE F – SPRAYED FIRE-RESISTANT MATERIALS (SFRM)

- ❑ Verification in accordance with the manufacturer's written instructions of ambient temperature at the time of application, substrate conditions, and protection provided.
- ❑ Determination of the thickness of SFRM in accordance with ASTM E 605 as required by the approved fire-resistant design.
  - ❑ Sampling for determining the thickness of SFRM for floor, roof and wall assemblies shall be based on the average of not less than 4 measurements per 1,000 sq ft of the sprayed area of each floor or part thereof.
  - ❑ Sampling for determining the thickness of SFRM for structural framing members shall be not less than 25 percent of the structural members on each floor.
- ❑ Determination of the density of SFRM in accordance with ASTM E 605 as required by the approved fire-resistant design.
- ❑ Determination of the bond strength in accordance with ASTM E 736 of cured SFRM applied to structural elements shall not be less than 150 psf.
  - ❑ Sampling for determining bond strength in floor, roof or wall assemblies shall be based on the average of not less than one measurement per 10,000 sq ft of the sprayed area in each story.
  - ❑ Sampling for determining bond strength in structural framing members shall be not less than one sample for each type of structural member for each 10,000 sq ft of floor area in each story.

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SCHEDULE G – SPECIAL CASES

Required for construction materials and systems that are alternatives to materials and systems prescribed by OSSC, unusual design applications of materials described in OSSC, or materials and systems required to be installed in accordance with manufacturer's instructions that prescribe requirements not contained in OSSC or referenced standards. For each item checked below, check the required inspection or testing frequency.

- ❑ Post-installed anchors in concrete or masonry: ❑ Continuous ❑ Periodic
- ❑ Powder driven shot-in anchors: ❑ Continuous ❑ Periodic
- ❑ Shoring: ❑ Continuous ❑ Periodic
- ❑ Underpinning: ❑ Continuous ❑ Periodic
- ❑ Manufactured concrete block retaining wall systems: ❑ Continuous ❑ Periodic
- ❑ Insulated concrete form systems: ❑ Continuous ❑ Periodic
- ❑ Other: _____
- ❑ Other: _____
- ❑ Other: _____

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SCHEDULE H – CONTRACTOR'S STATEMENT OF RESPONSIBILITY FOR SEISMIC RESISTANCE

- ❑ Contractor's statement of responsibility is attached containing the following for Contractor and each subcontractor responsible for the construction of the seismic-force-resisting system for which special inspection, testing or structural observations for seismic resistance are required as specified by the registered design professional on this Statement of Special Inspection and attached Schedule I, Schedule J or Schedule K:
  - ❑ Acknowledgement of awareness of the special inspection requirements contained in the Statement of Special Inspections and the attached Schedules.
  - ❑ Acknowledgement that control will be exercised to obtain conformance with the construction documents approved by the Building Division.
  - ❑ Procedures for exercising control within Contractor's organization, the method and frequency of reporting and the distribution of the reports.
  - ❑ Identification and qualifications of the person(s) exercising such control and their position(s) in the organization.
- ❑ Contractor's statement of responsibility is attached containing the following for Contractor and each subcontractor responsible for the erection or installation of each designated system for which special inspection, testing or structural observations for seismic resistance are required as specified by the registered design professional on this Statement of Special Inspection and attached Schedule I, Schedule J or Schedule K:
  - ❑ Acknowledgement of awareness of the special inspection requirements contained in the Statement of Special Inspections and the attached Schedules.
  - ❑ Acknowledgement that control will be exercised to obtain conformance with the construction documents approved by the Building Division.
  - ❑ Procedures for exercising control within Contractor's organization, the method and frequency of reporting and the distribution of the reports.
  - ❑ Identification and qualifications of the person(s) exercising such control and their position(s) in the organization.

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SCHEDULE I –SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE (SEE OSSC SECTION 1707)

- ☐ 1. Seismic-force-resisting systems in structures assigned to Seismic Design Categories C, D, E or F:
  - ☐ A. Continuous special inspection is required for structural welding in accordance with AISC 314.
    - ☐ Continuous inspection of structural welding in accordance with AISC 341 for multi-pass or single-pass fillet welds > 5/16".
    - ☐ Periodic inspection of structural welding in accordance with AISC 341 for multi-pass or single-pass fillet welds ≤ 5/16".
    - ☐ Periodic inspection of structural welding in accordance with AISC 341 for floor and roof deck welding.
  - ☐ B. Continuous inspection of structural wood during field gluing operations of elements of the seismic-force-resisting system.
    - ☐ Periodic inspection of fastening and anchoring of wood shear walls, shear panels and wood diaphragms where the fastener spacing is 4" on center or less.
    - ☐ Periodic inspection of fastening and anchoring of drag struts, braces and hold-downs.
  - ☐ C. Periodic inspection of welding of cold-formed steel framing elements.
    - ☐ Periodic inspection of fastening and anchoring of cold-formed steel walls, diaphragms, struts, braces and hold-downs.
  - ☐ D. Pier foundations for buildings assigned to Seismic Design Categories C, D, E or F:
    - ☐ Periodic inspection of pier foundations during placement of reinforcement.
    - ☐ Continuous inspection of pier foundations during placement of concrete.
- ☐ 2. Designated seismic systems for which the component importance factor, I_p > 1.0 in accordance with ASCE 7 section 13.1.3, in structures assigned to Seismic Design Categories D, E or F:
  - ☐ A. Periodic verification of labeling, anchorage or mounting systems conform to the certificate of compliance (*for anchors attach **Schedule G***).
- ☐ 3. Architectural, mechanical and electrical components in structures assigned to Seismic Design Category C,D,E or F that are required in sections 1707.7 and 1707.8
  - ☐ A. Architectural components in structures assigned to Seismic Design Categories D, E and F.
    - ☐ Architectural components in structures more than 30 ft in height and assigned to Seismic Design Categories D, E or F:
    - ☐ Periodic inspection during erection and fastening of exterior nonbearing walls or cladding or veneer weighing more than 5 psf (*for anchors attach **Schedule G***).
    - ☐ Periodic inspection during erection and fastening of interior nonbearing walls weighing more than 15 psf or veneer weighing more than 5 psf (*for anchors attach **Schedule G***).
    - ☐ Periodic inspection during the anchorage of access floors or storage racks 8 ft or greater in height (*for anchors attach **Schedule G***).
    - ☐ Periodic inspection of the installation and anchorage of suspended ceiling systems (*for anchors attach **Schedule G***).
  - ☐ B. Mechanical and electrical components in structures assigned to Seismic Design Categories C, D, E or F:
    - ☐ Periodic inspection during anchorage of electrical equipment for emergency or standby power systems (*for anchors attach **Schedule G***).
    - ☐ Periodic inspection during the installation the anchorage of piping systems carrying flammable, combustible or highly toxic contents and their associated mechanical units (*for anchors attach **Schedule G***).
    - ☐ Periodic inspection of the anchorage of HVAC ductwork that will contain hazardous materials (*for anchors attach **Schedule G***).
    - ☐ Periodic inspection during the installation of vibration isolation systems where the construction documents require a nominal clearance of 0.25" or less between the equipment support frame and restraint.
- ☐ Periodic inspection during fabrication and installation of seismic isolator units and energy dissipation devices that are part of the seismic isolation system.

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SCHEDULE J –STRUCTURAL TESTING FOR SEISMIC RESISTANCE

- ❑ Empirically designed masonry and glass unit masonry in Occupancy Categories I, II or III:
  - ❑ Verification prior to construction of certificates of compliance used in masonry construction.
- ❑ Empirically designed masonry and glass unit masonry in Occupancy Category IV (see OSSC Table 1708.1.2):
  - ❑ Verification prior to construction of certificates of compliance used in masonry construction.
  - ❑ Verification of f'_m and f'_{AAC} prior to construction.
- ❑ Engineered masonry in Occupancy Categories I, II or III (see OSSC Table 1708.1.2):
  - ❑ Verification prior to construction of certificates of compliance used in masonry construction.
  - ❑ Verification of f'_m and f'_{AAC} prior to construction.
- ❑ Engineered masonry in Occupancy Category IV (see OSSC Table 1708.1.4):
  - ❑ Verification prior to construction of certificates of compliance used in masonry construction.
  - ❑ Verification of f'_m and f'_{AAC} prior to construction and every 5,000 sq ft during construction.
  - ❑ Verification of proportions of materials in mortar and grout as delivered to the site.
- ❑ Seismic resistance testing for seismic-force-resisting systems in structures assigned to Seismic Design Categories C, D, E or F:
  - ❑ Verification of certified mill test reports for each shipment of reinforcing and prestressing steel used in reinforced concrete intermediate and special moment frames and special reinforced concrete or masonry shear walls.
  - ❑ Testing in accordance with ACI 318 for ASTM A 615 reinforcing steel used in reinforced concrete special moment frames and in wall boundary elements in structures assigned to Seismic Design Categories D, E or F.
  - ❑ Chemical tests in accordance with ACI 318 section 3.5.2 to determine weldability of ASTM A 615 reinforcing steel.
  - ❑ Nondestructive testing for structural steel as required by AISC 341. Acceptance criteria for nondestructive testing shall be as required in AWS D1.1 as specified by the registered design professional on the construction documents.
  - ❑ Ultrasonic testing for discontinuities behind and adjacent to welds after joint completion where subject to through-thickness weld shrinkage strains in base metal thicker than 1.5". Acceptance criteria for nondestructive testing shall be as required in ASTM A 435 or ASTM A 898 (Level 1 criteria) as specified by the registered design professional on the construction documents.
- ❑ Designated mechanical and electrical components having a component importance factor, $I_p > 1.0$ in accordance with ASCE 7 section 13.1.3 for Seismic Design Categories C, D, E or F:
  - ❑ Manufacturer's certificate of compliance of seismic performance by testing or analytical methods for component anchorage or mounting systems. Seismic qualification requirements shall be by one or more of the following as specified by the registered design professional on the construction documents:
    - ❑ An actual test on a shake table.
    - ❑ Three-dimensional shock tests.
    - ❑ Analytical method using dynamic characteristics and forces.
    - ❑ Experience data (i.e., historical data demonstrating acceptable seismic performance).
    - ❑ More rigorous analysis providing equivalent safety.
- ❑ Testing of seismic isolation system components in accordance with ASCE 7 section 17.8.

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SCHEDULE K – STRUCTURAL OBSERVATIONS FOR SEISMIC RESISTANCE

- ❑ Structural observations for structures classified as Occupancy Categories III or IV.
- ❑ Structural observations for structures with height greater than 75 ft above the base.
- ❑ Structural observations for structures when so designated by the registered design professional in responsible charge of the design.
- ❑ Structural observations for structures when specifically required by the Building Official.

Notes: _____

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