

S.I.



SPECIAL INSPECTION AGREEMENT (SI-3)

To permit applicants of projects requiring special inspection and/or testing per Chapter 17 of the 2006 International Building Code (IBC)

Project Name/Address ONE WORLD MEDICINE Plan Ck. # 28888-C-08
3100 S. VALLEY VIEW BLVD Application # 119295
Name of City of Las Vegas Inspection Supervisor: GAGE Telephone # _____

BEFORE A PERMIT CAN BE ISSUED: The Owner or Owner's agent shall obtain special inspection services from a special inspection agency accredited by the International Accreditation Service (IAS) and approved by the Building Official. The owner or owner's agent shall complete two (2) copies of this agreement and the attached scope of work for special inspections.

APPROVAL OF SPECIAL INSPECTORS: Each special inspection agency shall be accredited by IAS and approved by the Building Official prior to permit issuance and prior to performing any duties. Special inspectors shall display approved identification, as stipulated by the Building Official, when performing the function of a special inspector.

Special inspection and testing shall meet the minimum requirements of IBC Chapter 17.

All sections and chapters are from the 2006 International Building Code.

A. Duties and Responsibilities of the Special Inspector and Special Inspection Agency:

1. Observe work

The special inspector shall observe the work for conformance with the Building Department approved (stamped) design drawings and specifications and applicable workmanship provisions of the IBC.

2. Report non-conforming items

The special inspector shall bring non-conforming items to the immediate attention of the contractor and note all such items on the daily report. If any item is not resolved in a timely manner or is about to be incorporated in the work, the special inspector shall immediately notify the Building Department by telephone or in person, notify the engineer or architect, and post a discrepancy notice.

3. Furnish Daily reports

On request, each special inspector shall complete and sign both the special inspection record and the daily report form for each day's inspections to remain at the job site with the contractor for review by the Building Department's inspector.

4. Furnish weekly Reports

The special inspector or inspection agency shall furnish weekly reports of tests and inspections directly to the Building Department, project engineer or architect, and others as designated. These reports must include the following.

- a. Description of daily inspections and tests made with applicable locations;
- b. Listing of all non-conforming items;
- c. Report on how non-conforming items were resolved or unresolved as applicable; and
- d. Itemized changes authorized by the architect, engineer and building department if not included in non-conformance item.

5. Furnish final report

The Special inspector or inspection agency shall submit a final signed report to the Building Department stating that all items requiring special inspection and testing were fulfilled and reported and, to the best of his/her knowledge, in conformance with the approved design drawings, specifications, approved change orders and the

applicable workmanship provisions of the IBC. Items not in conformance, unresolved items or any discrepancies in inspection coverage (i.e., missed inspections, periodic inspections when continuous was required, etc.) shall be specifically itemized in his report. Final report shall be reviewed, signed and stamped by the principal of the special inspection agency who is a registered design professional (civil or structural engineer) in the State of Nevada.

B. Contractor's Responsibilities

1. Notify the special inspector

The contractor is responsible for notifying the special inspector or agency regarding individual inspections for items listed on the attached schedule *and* as noted on the Building Department approved plan. Adequate notice shall be provided so that the special inspector has time to become familiar with the project.

2. Provide access to approved plans

The contractor is responsible for providing the special inspector access to approved plans at the job site.

3. Retain special inspection records

The contractor is also responsible for retaining at the job site all special inspection records submitted by the special inspector, and providing these records for review of the Building Department's inspector upon request.

4. Seismic force resisting systems, designated system or component

Contractor's Statement of Responsibility per Section 1706 of the 2006 International Building Code, where required:

To comply with the requirements of Section 1706, the contractor acknowledges the following:

- The company is aware of the special requirements contained in the statement of special inspections prepared by the engineer of record or the registered design professional per the requirements of Section 1705 of the 2006 IBC.
- Control will be exercised to obtain conformance with the construction documents approved by the Building Official.
- The company has procedures for exercising control within our organization, the method and frequency of reporting and the distribution of reports.
- The company has the qualified personnel to exercise such control.

C. Engineer of Record's responsibilities:

1. Specify on the project plans and specifications all items requiring special inspections, including periodic inspections in accordance with Chapter 17.
2. Prepare a statement of special inspections, including seismic requirements, in accordance with Section 1705.
3. Conduct structural observations as required by Section 1709. All final reports to be submitted to the Building Official.

D. Owner's responsibilities:

1. Obtain and fund special inspection services by contract with an agency approved by the City of Las Vegas.
2. Submit the signed SI-3 and SI-6 to the Building Official prior to permit issuance
3. Obtain and fund structural observation by engineer of record as required by Section 1709.

E. Scope of Work:

All work falling within the categories identified on the attached addendum (SI-6) shall be inspected and/or tested in accordance with the provisions of Chapter 17 of the International Building Code.

F No testing services will be performed by the City of Las Vegas. The owner or owner's agent is responsible for obtaining all testing services from a testing agency approved by the Building Official. The special inspector shall observe the testing work.

I have read and agree to comply with the terms and conditions of this agreement.

Owner: Joe Lawrence Date: _____

By: [Signature] Print Name: LeRoy N. Ha

Special Inspection Agency: Artech Materials Testing Date: 8/6/08

By: [Signature] Print Name: Wicole L. Mosier

Contractor: Gohres Construction Date: 8/7/2008

By: _____ Print Name: _____

Sub-consultant: _____ Date: _____
(if any)

By: _____ Print Name: _____

Engineer of Record: CHRISTOPHER B. WIDMER, P.E. Date: _____
(Signature required if box is checked)

By: [Signature] Print Name: CHRISTOPHER B. WIDMER

Owner: Check and sign here if you want the SI agency to perform all inspections for walls, fences, or retaining walls (non-building applications).

By: _____ Print Name: _____

The Prime Agency accepts full responsibility for the work, actions and performance of the sub-consultant.

RECEIVED FOR THE CITY OF LAS VEGAS BUILDING DEPARTMENT

By: _____ Date: _____
Structural Plans Examiner

SCOPE OF WORK

Includes all types of work listed under IBC Sections 1704 to 1714.

SIA = Special Inspection Agency to perform inspection

CLV = City of Las Vegas staff to perform inspection unless otherwise noted

To schedule CLV Express and Special Inspections, call 229-5112

Req = Required inspection *if marked with X*

CLV	SIA	ITEM #	DESCRIPTION
	x	S	Steel Construction (Table 1704.3 & Section 1704.3)
	x	S1	Material verification of high strength bolts, structural steel, weld filler
		S1.1	Manufacturer's certificate of compliance
		S1.2	Manufacturer's certified mill tests reports
		S1.3	Identification markings
	x	S2	Welding (Section 1704.3.1, Table 1704.3 and AWS D1.1 and D1.3)
	x	S2.1	Structural steel
		S2.2	Reinforcing steel
		S3	Details of steel frames (Table 1704.3)
		S4	High strength bolting (Section 1704.3.3 and Table 1704.3)
		S4.1	Bearing type connections
		S4.2	Slip critical connections
		S5	Inspection of fabricator (shop and shop fabricated items per Section 1704.2) if non-approved fabricator
	x	S6	Verification of approved fabricator
	x	S6.1	Fabricator's certificate of compliance
		S7	Bearing and base plate grouting
		S8	Non-destructive testing
		S9	Floor and deck welding
		S10	Welded studs for structural diaphragm
		S11	Welded sheet steel for cold-formed framing members
		S12	Welding of stairs and railing systems
		S13	Others
	x	C	Concrete Construction (Table 1704.4 & Section 1704.4)
	x	C1	Materials
		C2	Reinforcing steel and placement
		C3	Pre-stressing tendons and placement
	x	C4	Bolts in concrete
		C5	Shot Crete and placement
		C6	Pre-stressed concrete
		C6.1	Pre-stressing forces
		C6.2	Grouting of bonded pre-stressing tendons in seismic force resisting systems
		C7	Erection of pre-cast concrete members
		C8	Slab-on-grade, where required

	x	C9	Verification of required design mix
	x	C10	Concrete cylinders, slump, air, temperature
		C11	Curing
		C12	Verification of in-situ concrete strength
		C12.1	Prior to stressing of tendons
		C12.2	Prior to removal of shores and forms for beams and structural slabs
		C13	Formwork for shape, location and dimension of concrete member being formed
	x	M	Masonry Construction (Section 1704.5)
	x	M1	Level 1 Special Inspections (Table 1704.5.1 in Occupancy Categories I,II &III)
		M2	Level 2 Special Inspections (Table 1704.5.3 in Occupancy Category IV)
		W	Wood Construction (Section 1704.6)
x		W1	Verification of approved fabricator for prefabricated wood structural elements.
		W2	High load diaphragms (sheathing, nailing, fastening, framing) Table 2306.3.2
		G	Soils (Section 1704.7 and Table 1704.7 and soils report)
		G1	Site preparation and sub-grade
		G2	Fill placement, classification, testing (fill >12 in)
		G3	In-Place density, materials and lift thickness, placement and compaction of controlled fill (fill >12 in)
		G4	Excavation
		G5	Special Excavation, grading and filling
		PL	Pile Foundations (Section 1704.8)
		PL1	Verify pile materials, sizes, length
		PL2	Verify capacities of test piles and any additional required load tests
		PL3	Verify placement locations, plumb
		PL4	Verify type and size of hammer
		PL5	Record number of blows per foot of penetration
		PL6	Verify required penetrations to achieve design capacity
		PL7	Record driving operations with complete and accurate records for EACH pile, including any pile damage
		PL8	Verify tip and butt elevations
		PR	Pier Foundations (Section 1704.9 and Table 1704.9)
		PR1	Observe drilling operations and maintain complete and accurate records for EACH pier
		PR2	Verify placement locations and plumb-ness
		PR3	Confirm pier diameters, bell diameters, length, embedment, end bearing strata capacity
		PR4	Perform additional concrete inspections per section 1704.4 or masonry inspections per section 1704.5

		F	Sprayed Fire Resistant Materials (Section 1704.10)
		X	Special Cases: (Section 1704.13)
x		X1	Rebar/Bolt/Threaded Rods/Anchors in epoxy grout (verify bolt or bar materials, hole depth and diameter, hole cleanout, epoxy mixing and placement, embedment depth and other requirements of ICC-ESR report and manufacturer's specifications) CLV Express Call 229-5112 to schedule
x		X2	Hold-down substitution in tension
		X3	Rock retaining walls (Rock placement, rock size, footing, embedment, drainage, backfill, compaction, filter fabric, batter, slope and other items specified by engineer of record), Rammed Earth walls.
	x	X4	Expansion anchors
	x	X5	Embedded plates
		X6	Others
		MS	Mastic and intumescent fire-resistance coatings (Section 1704.11)
		EIFS	Exterior Insulation and Finish Systems (EIFS) (Section 1704.12)
	x	E	Special Inspections for Seismic Resistance (Section 1707)
	x	ES1	Structural steel (Section 1707.2)
	x	ES2	Structural welding (Section 1707.2)
x		EW	Structural wood (Section 1707.3) Seismic Design Category C,D,E,F (except R-3 < or = 10,000 sq. ft.)
		EW1	Field Gluing
x		EW2	Nailing, bolting, anchoring, fastening
x		EW3	Drag struts
		EW4	Braces
		EW5	Hold-downs
x		EW6	Shear walls and diaphragm nailing, anchoring, bolting and fastening (fastener spacing less than or equal to 4 inches)
		EL	Cold formed steel framing for seismic force resisting system (Section 1707.4)
		EL1	Welding
		EL2	Screw attachment, bolting, anchoring
		ER	Storage racks over 8 ft and access floors (Section 1707.5) in SDC D,E,F
		EV	Architectural components (Section 1707.6) For structures >30 ft high only in SDC D,E,F
		EV1	Exterior cladding (weight > 5 psf)
		EV2	Interior and exterior non-bearing walls (weight > 15 psf)
		EV3	Interior and exterior veneer (weight > 5 psf)
x		EV4	Suspended Ceiling in Seismic design category D, E, F If used
x		EME	Mechanical and electrical components (Section 1707.8)

		EME1	Electrical equipment anchorage for emergency systems in SDC C,D,E,F (Section 1707.8.1)
		EME2	Other electrical equipment in SDC E,F (Section 1707.8.2)
		EME3	Installation of piping systems with flammable, combustible or highly toxic materials in SDC C, D,E,F (Section 1707.8.3)
		T	Structural Testing for Seismic Resistance (Section 1708)
	x	T1	Engineered Masonry level 1 (Section 1708.1 & Table 1708.1.2)
		T2	Engineered Masonry level 2 (Section 1708.1 & Table 1708.1.4)
		T3	Testing for seismic resistance
		T3.1	Seismic force resisting systems in SDC C,D,E,F
		T3.2	Designated systems in SDC D,E,F
		T4	Reinforcing and pre-stressing steel (Section 1708.3)
		T4.1	Certified mill tests
		T4.2	Chemical tests for weldability
		T5	Structural steel (Section 1708.4 and AISC 341)
		T5.1	All testing as required by AISC 341
		T5.2	Non-destructive testing (AWS D1.1). Acceptance criteria for NDT to be specified by engineer of record
		T5.3	Others
		T6	Mechanical and Electrical Equipment Seismic Qualification Testing (Section 1708.5)
		T6.1	Manufacturer's certificate of compliance on anchorage
		T6.2	Inspection of anchorages and labels
		A	Amusement Rides
		A1	Construction inspection and testing
		A2	Operation and maintenance inspection and testing
		A3	Non-destructive testing
		Z	Other Inspections and Tests
		Z1	Exterior windows and door assemblies (Section 1714.5) Testing & Labeling
		Z2	Alternative tests (Section 1711)
		Z3	In-situ load tests (Section 1713)
		Z4	Pre-construction load tests (Section 1714)

- **Statement of special inspections specified by Engineer of Record (Section 1705 Yes or No)**
- **Is Structural Observation by a Registered Design Professional Required? (Section 1709) Yes or No**

All continuous inspections and periodic inspections shall be in accordance with 2006 IBC, Chapter 17.

