SPECIAL INSPECTION & TESTING AGREEMENT



COMMUNITY DEVELOPMENT DEPARTMENT • 345 N EL DORADO STREET • STOCKTON, CA 95202 • (209) 937-8561 www.stocktonca.gov/buildinginspection

Prior to issuance of a permit, this form must be completed and approved by the Building Department for projects requiring special inspection in accordance with Chapter 17 of the California Building Code (CBC). Before permit issuance, all parties must sign this agreement. Please note that failure to comply with special inspection requirements could be result in added costs and/or delays in the project.

Part I – Statement of Special Inspection

Project Name:	Date:
Project Address:	Permit Number: BP
Ci	ty Approved Testing/Inspection Agencies
Agency 1:	Phone Number:
	Email:
Agency 2:	Phone Number:
	Email:

Part II – Special Inspection and Testing Agreement

Before a permit can be issued: When special inspection is required by CBC Section 1705, the registered design professional shall prepare an inspection program, which shall be submitted, to the Building Official for approval prior to issuance of the building permit. A pre-construction conference with the parties involved may be required to review the special inspection requirements and procedures.

Approval of special inspectors: The special inspection firm(s) named above have been authorized to perform the special inspection and testing services designated in this agreement, and in accordance with the CBC requirements, and to report all activities to the Building Official, and other parties as listed. It is understood that special inspections are required in addition to the normal inspections performed by the Building Inspector. The special inspector shall be employed by the owner (other than owner – builder/developer), the registered design professional, or an agent of the owner, BUT NOT the contractor, or any other person responsible for the work (such as an owner-builder/developer). Special inspectors may have no financial interest in projects for which they provide special inspection. Special inspectors shall be approved by the building department prior to performing any duties. Special inspectors shall submit their qualifications and are subject to personal interviews for prequalification. Special inspector. Only the City approved special inspection agency of record shall sample, transport and test material. Special inspection and testing shall meet the minimum requirements of the CBC Section 1701. The following conditions are also applicable:

A. Duties and Responsibilities of the Special Inspector:

1. Observe work – The special inspector shall observe the work for conformance with the building department approved (stamped) designs drawings and specifications and applicable workmanship provisions of the California Building Code. Architect/Engineer-reviewed shop drawings may be used only as an aid to inspection. Special inspections are to be performed on a continuous basis, meaning that the special inspector is on site in the general area at all times observing the work requiring special inspection. Periodic inspections, if any, must have prior approval based on a separate written plan reviewed and approved by the building department and the architect or engineer of record.

- 2. **Report nonconforming items** The special inspector shall bring nonconforming items to the immediate attention of the contractor and note all such items in the daily report. If any items are not resolved in a timely manner or are 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 and weekly reports 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 jobsite with the contractor for review by the building inspector. The reports shall include description of daily inspections and tests made with applicable locations, listing of all nonconforming items, report on how nonconforming items were resolved or unresolved as applicable, and itemized changes authorized by the architect, engineer and Building Official if not included in nonconformance items. The daily and weekly reports shall be emailed on a daily and weekly basis to the Building Official (Slreports@stocktonca.gov). Each email subject line shall have the following naming format: Permit Number Address Date
- 4. Furnish final report The special inspector or inspection agency shall submit a final wet stamped and signed report to the Building Official stating that all items requiring special inspection and testing were fulfilled and reported and, to the best of his or her knowledge, in conformance with the approved design drawings, specifications, approved change orders and the applicable workmanship provisions of the CBC. Items not in conformance, unresolved items or any discrepancies in inspection coverage shall be specifically itemized on an addendum to this report. The final report shall be emailed prior to scheduling final building inspection to the Building Official (Sireports@stocktonca.gov) Each email subject line shall have the following naming format: Permit Number Address Date

B. Contractor Responsibilities:

- 1. Notify the special inspector The contractor is responsible for notifying the special inspector regarding individual inspections for items listed on the attached schedule and as noted on the building department approved plans.
- 2. Notify the Building Department The contractor is responsible for notifying the City's Building Department. City approval is required prior to proceeding. General contractor shall notify the Building Department at (209) 937-8561 at least 24 hours in advance for each day special inspection will be conducted listed on the attached schedule and as noted on the Building Department approved plans.
- 3. Provide access to approved plans and retain special inspection records.
- **C. Owner Responsibilities:** The project owner or the engineer or architect of record acting as the owner's agent is responsible for funding special inspection services (ref. CBC Sec. 1701).

D. Designer Responsibilities:

- 1. Complete the Special Inspection & Testing Schedule The engineer or architect of record shall specify special inspection required in the construction documents and list these items on the Special Inspection & Testing Schedule on the plans.
- 2. Respond to field discrepancies The engineer or architect of record shall respond to uncorrected field deficiencies in design, material, or workmanship observed by the special inspector.
- Submit design changes The engineer or architect of record is responsible for any design changes, in addition to acknowledgment and approval of shop drawings which may detail structural information, and for submission of such changes to the Building Official for approval.

E. Building Department Responsibilities:

- 1. Approve special inspection The building department shall approve all special inspectors and special inspection requirements.
- 2. Enforce special inspection Work requiring special inspection and the performance of special inspection shall be monitored by the building inspector. Building Department approval must be obtained prior to placement of concrete, covering of structural steel, or other similar activities in addition to that of the special inspector.
- Issue Certificate of Occupancy The Building Official may issue a Temporary Certificate of Occupancy or a Certificate of Final Completion and Occupancy after all special inspection reports and the final compliance report have been submitted and accepted.



Acknowledgements

The undersigned hereby affirm, under penalty of law that the special inspection program is in accordance with the requirements of the CBC and the City of Stockton. The undersigned has used all reasonable diligence in completing this form and to the best of his/her knowledge the information contained herein is true and complete. The undersigned hereby certifies under the penalty of perjury under the laws of the State of California that the foregoing is true and correct.

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

Registered Design Professional in Responsible Charge:

Name:		License Number:	
Phone Number:	Email Address:		
Signature: Rein C. C	~ · ·	Date:	

Owner's Authorization:

Name:		
Phone Number:	Email Address:	
Signature:		Date:

General Contractor:

Name:		License Number:
Phone Number:	Email Address:	
Signature:		Date:

Special Inspection/Testing Agency Engineer:

Name:		License Number:
Phone Number:	Email Address:	
Signature:		Date:

Building Department's Acceptance:

Name:	Title:
Signature:	Date:



Part III – Special Inspection and Testing Schedule

The schedule below shall be completed by the Engineer-of-Record for the project. The inspections listed are in accordance with Chapter 17 of the California Building Code, refer to Chapter 17 for more detailed requirements. Refer to the **City Approved** drawings and/or project specifications for additional inspections, tests, or requirements.

Indicate in the table below which inspections are required for this project. Check the appropriate box to denote either continuous (C) or periodic (P) inspection required.

Poquired Special Inspections and Tests		Check if	Required	
	Required Special inspections and rests		C	Р
		Steel Construction – CBC 1705.2		
1.	Ма	terial verification of high-strength bolts, nuts, and washers.		
	a.	Identification markings to conform to ASTM standards specified in the approved		
		construction documents.		
	b.	Manufacturer's certificate of compliance required.		\mathbf{X}
2.	Ins	pection of high-strength bolting:		
	a.	Snug-tight joints.		
	b.	Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt or		
		direct tension indicator methods of installation.		
	C.	Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated		
		wrench methods of installation.		
3.	Ma	aterial verification of cold-formed steel deck:		
	а.	For structural steel, identification markings to conform to AISC		
	b.	For other steel, identification markings to conform to ASTM standards specified in the		× 1
		approved construction documents.		
	C.	Manufacturer's certified test reports.		
4.	Ins	pection of welding (shop or field):	-	
	a.	Structural steel and cold-formed steel deck:		
		 Complete and partial joint penetration groove welds. 		
		2) Multipass fillet welds.		
		Single-pass fillet welds > 5/16"		
		4) Plug and slot welds.		
		5) Single-pass fillet welds ≤ 5/16"		
		6) Floor and roof deck welds.		
	b.	Reinforcing steel:		
		 Verification of weldability of reinforcing steel other than ASTM A 706. 		
		2) Reinforcing steel resisting flexural and axial forces in intermediate and special moment		
		frames, and boundary elements of special structural walls of concrete and shear		
		reinforcement.		
		3) Shear reinforcement.	ļ	
		4) Other reinforcing steel.		
5.	Ins	pection of steel frame joint details for compliance with approved construction documents:		r
	a.	Details such as bracing and stiffening.		
	b.	Member Locations.		
	C.	Application of joint details at each location.		
6.	Ins	stallation of open-web steel joists and joist girders.		r
	a.	End connections – welding or bolted.		
	b.	Bridging – horizontal or diagonal.		
		1) Standard bridging.		
		2) Bridging that differs from the SJI specifications listed in Section 2207.1		
7.	Co	Id-formed steel trusses spanning 60 feet or greater, temporary and permanent bracing per		
	ар	proved truss package.		
		Concrete Construction – CBC 1705.3		
1.	Ins	pect reinforcement, including prestressing tendons, and verify placement.		
2.	Re	inforcing bar welding:		
	а.	Verity weldability of reinforcing bars other than ASTM A706;		l
	b.	Inspect single-pass fillet welds, maximum 5/16"; and		1



Pequired Special Increations and Tests		Check if Required		
	Required Special inspections and resis	С	Р	
	c. Inspect all other welds.			
3.	Inspection of anchors cast-in concrete.			
4.	Inspection of anchors post-installed in hardened concrete members.			
	a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist			
	sustained tension loads.			
	b. All other mechanical anchors and adhesive anchors.		×	
5.	Verifying use of required design mix.		×	
6.	Prior to concrete placement, fabricate specimens for strength tests, perform slump and air			
	content tests, and determine the temperature of the concrete.			
7.	Inspection of concrete and shotcrete placement for proper application techniques.			
8.	Inspection for maintenance of specified curing temperature and techniques.			
9.	Inspection of prestressed concrete.			
	a. Application of prestressing forces.			
	b. Grouting of bonded prestressing tendons in the seismic-force-resisting system.			
10.	Erection of precast concrete members.			
11.	Verification of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete			
	and prior to removal of shores and forms from beams and structural slabs.			
12.	Inspect formwork for shape, location and dimensions of the concrete member being formed.			
	Masonry Construction – CBC 1705.4			
1.	Special inspection and tests in accordance with the quality assurance program requirements			
	of TMS 402 and TMS 602.			
2.	Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV.			
3.	Vertical masonry foundation elements.			
4.	Indicate masonry construction quality assurance level (1 or 2 or 3)			

TABLE 5.19 Modified TMS 602 Tables 3 and 4, Level 2 Quality Assurance

Minimum Verification					
Varification		Required ¹	Reference for Criteria		
verification		Level 2	Level 3	TMS 602	
1. Prior to construction:					
a. Verification of compliance of submittals.	NR	R	R	Art. 1.5	
b. Verification of f'_m and f'_{AAC} , except where specifically exempted by the code.	NR	R	R	Art. 1.4 B	
2. During construction:					
 a. Verification of slump flow and Visual Stability Index (VSI) when self- consolidating grout is delivered to the project site. 	NR	R	R	Art. 1.5 & 1.6.3	
b. Verification of f'_m and f'_{AAC} for every 5,000 sq. ft.	NR	NR	R	Art. 1.4 B	
 c. Verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout and grout other than self-consolidating grout. 	NR	NR	R	Art. 1.4 B	



Required Special Inspection	ons and	Tests			F	Cneck
	Special	Incocation				C
Minimum	i Special	requency	2	Poforono	o for Crit	ria
Inspection Task		requency	Loval 2	TMC 402		00
1 As masonny construction begins, verify that th		are in com	Level 3	11013 402	11113 0	02
a. Proportions of site-prepared mortar	NR	P	P		Art. 2.1, 2.6 A. 2.6	С
 Grade and size of prestressing tendons and anchorages 	NR	Р	Р		Art. 2.4 B 2.4 H	,
 c. Grade, type and size of reinforcement, connectors, anchor bolts, and prestressing tendons and anchorages 	NR	Ρ	Ρ		Art. 3.4, 3	6.6 A
d. Prestressing technique	NR	Р	Р		Art. 3.6 B	
e. Properties of thin-bed mortar for AAC masonry	NR	C ³ /P ⁴	С		Art. 2.1 C	
f. Sample panel construction	NR	Р	С		Art. 1.6 D	
2. Prior to grouting, verify that the following are in	n complian	ce:				
a. Grout space	NR	Ρ	С		Art. 3.2 D 3.2 F	,
 Placement of prestressing tendons and anchorages 	NR	Ρ	Ρ	Sec. 10.8, 10.9	Art 2.4, 3	6
c. Placement of reinforcement, connectors and anchor bolts	NR	Ρ	С	Sec. 6.1, 6.3.1, 6.3.6, 6.3.7	Art. 3.2 E	, 3.4
 Proportions of site-prepared grout and prestressing grout for bonded tendons 	NR	Ρ	Ρ		Art. 2.6 B 2.4 G,1.b	,
3. Verify during construction:						
a. Materials and procedures with the approved submittals	NR	Ρ	Ρ		Art. 1.5	
 Placement of masonry units and mortar joint construction 	NR	Ρ	Ρ		Art. 3.3 B	
c. Size and location of structural members	NR	Р	Р		Art. 3.3 F	
 d. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction 	NR	Р	с	Sec 1.2.1(e), 6.2.1, 6.3.1	1	
e. Welding of reinforcement	NR	С	С	Sec. 6.1.6.1.2		
 f. Preparation, construction and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F) 	NR	Ρ	Ρ		Art. 1.8 1.8 D	С,
 Application and measurement of prestressing force 	NR	С	С		Art. 3.6	В
 Placement of grout and prestressing grout for bonded tendons is in compliance 	NR	С	С		Art. 3.5 3.6 C	,
i. Placement of AAC masonry units and construction of thin-bed mortar joints	NR	C ³ /P ⁴	С		Art. 3.3 3.3 F.1.	B.9, b
 Observe preparation of grout specimens, mortar specimens and/or prisms 	NR	Р	С		Art. 1.4 B.2 1.4 B.2 1.4 B.2 1.4 B.3	.a.3, .b.3, .c.3,

2. Frequency refers to the frequency of inspection, which may be continuous or periodic during the listed task, as defined in the table.

NR = Not Required

P = Periodic

C = Continuous

3. Required for the first 5,000 square feet of AAC masonry.

4. Required after the first 5,000 square feet of AAC masonry.



	Poquirod Special Inspections and Tests	Check if I	Required					
	Required Special inspections and rests	С	Р					
	Wood Construction – CBC 1705.5							
1.	High-load diaphragms.							
2.	Metal-plate-connected wood trusses: Wood truss clear span of 60 feet or greater, bracing per							
	approved truss package.							
3.	Manufactured trusses and assemblies.							
4.	Structural glued laminated timber.							
5.	Manufactured open web trusses.							
6.	Timber connectors.							
7.	Mass timber construction.							
	Soils – CBC 1705.6							
1.	Verify materials below shallow foundations are adequate to achieve the design bearing capacity.							
2.	Verify excavations are extended to proper depth and have reached proper material.							
3.	Perform classification and testing of compacted fill materials.							
4.	Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.							
5.	Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.							
6.	Soil fill.							
	Driven Deep Foundations – CBC 1705.7							
1.	Verify element materials, sizes and lengths comply with the requirements.							
2.	Determine capacities of test elements and conduct additional load tests, as required.							
3.	Observe driving operations and maintain complete and accurate records for each element.							
4.	Verify 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 any damage to foundation element.							
5.	For steel elements, perform additional inspections in accordance with CBC Section 1705.2.							
6.	For concrete elements and concrete-filled elements, perform additional inspections in accordance with CBC Section 1705.3.							
7.	For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.							
8.	Continuous special inspection shall be performed during installation of helical pile foundations.							
	Cast-In Place Foundations – CBC 1705.8							
1.	Observe drilling operations and maintain complete and accurate records for each element.							
2.	Verify placement locations and plumbness, confirm element diameters, bell diameters (if							
	applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata							
	capacity. Record concrete or grout volumes.							
3.	For concrete elements, perform additional inspections in accordance with Section CBC 1705.3.							
	Wind Resistance – CBC 1705.11							
1.	Structural wood:							
	a. Field gluing operations of elements of the main windforce-resisting system.							
	b. Nailing, bolting, anchoring, and other fastening of elements of the min windforce-resisting							
	system, including wood shear walls, wood diaphragms, drag structs, braces, and hold- downs.							
2.	Cold-formed steel light-frame construction:							
	a. Welding operations of elements of the main windforce-resisting system.							
	b. Screw attachment, bolting, anchoring, and other fastening of elements of the main							
	windforce-resisting system, including shear walls, braces, diaphragms, collectors (drag		×					
_	structs), and hold-downs.							
3.	Wind-resisting components:							
	a. Root covering, root deck, and root framing connections.							
	b. Exterior wall covering and wall connections to root and floor diaphragms and framing.							
4	Seismic Resistance – CBC 1705.12							
1.	Structural Steel per UBU 1705.12.1:	I						
1	a. Seismic force-resisting systems inspected according to AISU 341.							



	Required Special Inspections and Tests			Required
			C	Р
	b.	Structural steel elements other than those covered in (a) including struts, collectors,		
2	0.1-	chords, and foundation elements inspected according to AISC 341.		
Ζ.	Su	Eventual wood per CBC 1705.12.2.		
	а. ь	Nailing belting anchoring and other fastening of elements of the solemic force resisting		
	υ.	system including wood shear walls wood diaphragms drag struts braces shear papels		
		and hold-downs		
3.	Со	Id-formed steel light-frame construction per CBC 1705.12.3:		
	a.	Welding operations of elements of the seismic force-resisting system.		
	b.	Screw attachment. Bolting, anchoring, and other fastening of elements of the seismic		
		force-resisting system, including shear walls, braces, diaphragms, collectors (drag struts),		×
		and hold-downs.		
4.	De	signated seismic systems per CBC 1705.12.4: Verify the label, anchorage, and mounting		
	cor	nform to the certificate of compliance.		
5.	Arc	chitectural components per CBC Section 1705.12.5.		
6.	Ρlι	mbing, mechanical, and electrical components per CBC Section 1705.12.6.		
	а.	Anchorage of electrical equipment for emergency and standby power systems.		
	b.	Installation and anchorage of piping systems designed to carry hazardous materials and		
		their associated mechanical units.		
	<u>C.</u>	Installation and anchorage of ductwork designed to carry nazardous materials.		
	α.	Installation and anchorage of vibration isolation systems where the approved construction		
		and restraint		
	0	Installation of mechanical and electrical equipment including duct work piping systems		
	С.	and their structural supports, where automatic fire sprinkler systems are installed		
7	Sto	brade racks that are 8 feet or greater in height per CBC Section 1705 12 7		
8.	Se	ismic isolation systems per CBC Section 1705.12.8.		
9.	Co	Id-formed steel special bolted moment frames per CBC Section 1705.12.9.		
-	-	Testing for Seismic Resistance – CBC 1705.13		
1.	Str	uctural steel per CBC 1705.13.1:		
	C.	NDT of structural steel in the seismic force-resisting systems according to AISC 341.		
	d.	NDT of structural steel elements other than those covered in (a) including struts, collectors,		
		chords, and foundation elements according to AISC 341.		
2.	No	nstructural components per CBC 1705.13.2: Registered design professional shall specify		
	the	requirements to be met by analysis, testing, or experience data. Certificates of compliance		
0	doo	cumenting the requirements shall be submitted to the building official.		
3.	De	signated seismic systems per CBC 1705.13.3: Registered design professional shall specify		
	do	requirements to be met by analysis, testing, or experience data. Certificates of compliance		
Δ	Se	ismic isolation systems ner CBC. Section 1705 12.8 shall be tested in accordance with		
ч.	Se	ction 17.8 of ASCE 7		
	00	Spraved Fire-Resistant Materials – CBC 1705.14		
1.	Th	e special inspections and tests shall include the following to demonstrate compliance with the	ne listina an	d the fire-
	res	istance rating:		
	a.	Inspect substrates for accordance with the approved fire-resistance design.		
	b.	Approved manufacturer's written instructions.		
	C.	Verify minimum ambient temperature before and after application.		
	d.	Verify ventilation of area during and after application.		
	e.	Measure average thickness per ASTM E605 and Section 1705.14.4.		
	f.	Verify density of material for conformance with the approved fire-resistant design and		
		ASTM E605 and Section 1705.14.5.		
	g.	Lest cohesive/adhesive bond strength per ASTM E736 and Section 1705.14.6.		
	n.	Inspect condition of finished application.		
4	- ما	Mastic and intumescent Fire-Resistant Coatings – CBC 1705.15		
1.	ins	Exterior Inculation and Einish Systems (EIES) CPC 4705 46		
		Exterior insulation and rinish systems (EIFS) = CBC 1703.10		



Dequired Special Inspections and Tests		Check if	Required
	Required Special hispections and rests		Ρ
1.	Inspect EIFS per CBC 1705.16 and ASTM E250.		
	Fire-Resistant Penetrations and Joints – CBC 1705.17		
1.	Fire-resistant penetrations and joints in high-rise or risk category III or IV buildings per CBC Section 1705.17.		
2.	Penetration firestop systems and/or fire-resistant joint systems per CBC Sections 1705.17.1 & 1705.17.2.		
	Smoke Control Systems – CBC 1705.18		
1.	Smoke control systems per CBC Section 1705.18.		
	Shotcrete – CBC 1705.19		
1.	Shotcrete work per CBC 1705.19:		
	a. Check materials.		
	b. Placing equipment.		
	c. Details of construction and construction procedure.		
	d. Preconstruction and strength tests of shotcrete per CBC Sections 1908.5 and 1908.10.		
2.	Visual examination for structural soundness of in-place shotcrete per CBC Sections 1905.19.1.		
	Sealing of Mass Timber – CBC 1705.20		
1.	Inspection of sealants or adhesives where sealant or adhesive required per CBC Section 703.9 is applied to mass timber building elements as designated in approved construction documents.		

Seismic/Wind Requirements (CBC Section 1705.11-13)

Description of wind resistance and seismic-force-resisting system subject to special inspections as per CBC Section 1705.11-13. Describe the seismic resisting system in the longitudinal and transverse directions.

Special Instructions and/or Structural Observation Required (CBC Section 1704.6)

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RESTROOM BUILDING

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Project Address:	Permit Number: BP	
Cit	y Approved Testing/Inspection Agencies	
Agency 1:	Phone Number:	
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B. Contractor Responsibilities:

- 1. Notify the special inspector The contractor is responsible for notifying the special inspector regarding individual inspections for items listed on the attached schedule and as noted on the building department approved plans.
- 2. Notify the Building Department The contractor is responsible for notifying the City's Building Department. City approval is required prior to proceeding. General contractor shall notify the Building Department at (209) 937-8561 at least 24 hours in advance for each day special inspection will be conducted listed on the attached schedule and as noted on the Building Department approved plans.
- 3. Provide access to approved plans and retain special inspection records.
- **C. Owner Responsibilities:** The project owner or the engineer or architect of record acting as the owner's agent is responsible for funding special inspection services (ref. CBC Sec. 1701).

D. Designer Responsibilities:

- 1. Complete the Special Inspection & Testing Schedule The engineer or architect of record shall specify special inspection required in the construction documents and list these items on the Special Inspection & Testing Schedule on the plans.
- 2. Respond to field discrepancies The engineer or architect of record shall respond to uncorrected field deficiencies in design, material, or workmanship observed by the special inspector.
- Submit design changes The engineer or architect of record is responsible for any design changes, in addition to acknowledgment and approval of shop drawings which may detail structural information, and for submission of such changes to the Building Official for approval.

E. Building Department Responsibilities:

- 1. Approve special inspection The building department shall approve all special inspectors and special inspection requirements.
- 2. Enforce special inspection Work requiring special inspection and the performance of special inspection shall be monitored by the building inspector. Building Department approval must be obtained prior to placement of concrete, covering of structural steel, or other similar activities in addition to that of the special inspector.
- Issue Certificate of Occupancy The Building Official may issue a Temporary Certificate of Occupancy or a Certificate of Final Completion and Occupancy after all special inspection reports and the final compliance report have been submitted and accepted.



Acknowledgements

The undersigned hereby affirm, under penalty of law that the special inspection program is in accordance with the requirements of the CBC and the City of Stockton. The undersigned has used all reasonable diligence in completing this form and to the best of his/her knowledge the information contained herein is true and complete. The undersigned hereby certifies under the penalty of perjury under the laws of the State of California that the foregoing is true and correct.

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

Registered Design Professional in Responsible Charge:

Name:		License Number:
Phone Number:	Email Address:	
Signature: Rich C. C	~ · ·	Date:

Owner's Authorization:

Name:		
Phone Number:	Email Address:	
Signature:	v-	Date:

General Contractor:

Name:		License Number:
Phone Number:	Email Address:	
Signature:		Date:

Special Inspection/Testing Agency Engineer:

Name:		License Number:
Phone Number:	Email Address:	
Signature:		Date:

Building Department's Acceptance:

Name:	Title:
Signature:	Date:



Part III – Special Inspection and Testing Schedule

The schedule below shall be completed by the Engineer-of-Record for the project. The inspections listed are in accordance with Chapter 17 of the California Building Code, refer to Chapter 17 for more detailed requirements. Refer to the **City Approved** drawings and/or project specifications for additional inspections, tests, or requirements.

Indicate in the table below which inspections are required for this project. Check the appropriate box to denote either continuous (C) or periodic (P) inspection required.

Required Special Inspections and Tests				Required		
	Required Special inspections and rests					
		Steel Construction – CBC 1705.2				
1.	Ма	terial verification of high-strength bolts, nuts, and washers.				
	a.	Identification markings to conform to ASTM standards specified in the approved				
	<u> </u>	construction documents.				
_	b.	Manufacturer's certificate of compliance required.				
2.	Ins	pection of high-strength bolting:				
	a.	Snug-tight joints.				
	b.	Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt or direct tension indicator methods of installation.				
	C.	Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated				
		wrench methods of installation.				
3.	Ма	terial verification of cold-formed steel deck:				
	a.	For structural steel, identification markings to conform to AISC				
	b.	For other steel, identification markings to conform to ASTM standards specified in the				
		approved construction documents.				
	C.	Manufacturer's certified test reports.				
4.	Ins	pection of welding (shop or field):				
	a.	Structural steel and cold-formed steel deck:				
		1) Complete and partial joint penetration groove welds.				
		2) Multipass fillet welds.				
		3) Single-pass fillet welds > 5/16"				
		4) Plug and slot welds.				
		5) Single-pass fillet welds ≤ 5/16"				
		6) Floor and roof deck welds.				
	b.	Reinforcing steel:				
		1) Verification of weldability of reinforcing steel other than ASTM A 706.				
		2) Reinforcing steel resisting flexural and axial forces in intermediate and special moment				
		frames, and boundary elements of special structural walls of concrete and shear				
		3) Shear reinforcement.				
_		4) Other reinforcing steel.				
5.	Ins	pection of steel frame joint details for compliance with approved construction documents:		[
	a.	Details such as bracing and stiffening.				
	.u	Application of joint details at each logation				
6	C.	Application of joint details at each location.				
б.	Ins	Tailation of open-web steel joists and joist girders.				
	а. ь	Pridaing barizontal or diagonal				
	υ.	1) Standard bridging				
		 Standard Druging. Ridging that differs from the Sill specifications listed in Section 2207.1 				
7	<u> </u>	2) Druging that unlets norm the Sit specifications listed in Section 2207.1				
· · ·	200	noved truss package				
	ap	Concrete Construction - CBC 1705 3				
1	Ine	nect reinforcement including prestressing tendons, and verify placement				
2	Re	inforcing bar welding.				
2.	2	Verify weldability of reinforcing bars other than ASTM A706				
	b.	Inspect single-pass fillet welds, maximum 5/16": and				



Required Spectal inspections and resis C P c. Inspect all other welds. Inspection of anchors cast-in concrete. Image: Construction of anchors post-installed in hardened concrete members. Image: Construction of anchors post-installed in hardened concrete members. Image: Construction of anchors post-installed in hardened concrete members. a. Adhesive anchors installed in hardened concrete members. Image: Construction of anchors post-installed in hardened concrete members. a. Adhesive anchors installed in hardened concrete members. Image: Construction of concrets and adhesive anchors. b. All other mechanical anchors and adhesive anchors. Image: Construction of concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. Image: Construction of concrete and shotcrete placement for proper application techniques. Image: Construction of concrete and shotcrete placement for proper application techniques. Image: Construction of prestressed concrete. Image: Construction of prestressing forces. Image: Consete strength, prior to stressing of tendons i		Deguized Special Increations and Tests		Check if Required		
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4. Indicate masonry construction quality assurance level (1 or 2 or 3)	3.	Vertical masonry foundation elements.				
	4.	Indicate masonry construction quality assurance level (1 or 2 or 3)				

TABLE 5.19 Modified TMS 602 Tables 3 and 4, Level 2 Quality Assurance

Minimum Verification							
Verification			red ¹ Reference for Cr				
venication	Level 1	Level 2	Level 3	TMS 602			
1. Prior to construction:							
a. Verification of compliance of submittals.	NR	R	R	Art. 1.5			
b. Verification of f'_m and f'_{AAC} , except where specifically exempted by the code.	NR	R	R	Art. 1.4 B			
2. During construction:							
 a. Verification of slump flow and Visual Stability Index (VSI) when self- consolidating grout is delivered to the project site. 	NR	R	R	Art. 1.5 & 1.6.3			
b. Verification of f'_m and f'_{AAC} for every 5,000 sq. ft.	NR	NR	R	Art. 1.4 B			
 c. Verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout and grout other than self-consolidating grout. 	NR	NR	R	Art. 1.4 B			



Required Special Inspection	ons and	Tests			F	Cneck				
	Special	Incocation		I		C				
Minimum	Erequency ²			Boforonco for Critoria				Deference for Criteric		ria
Inspection Task		requency	Loval 2	TMC 402		00				
1 As masonny construction begins, verify that th		are in com	Level 3	11013 402	11113 0	02				
a. Proportions of site-prepared mortar	NR	P	P		Art. 2.1, 2.6 A. 2.6	С				
 Grade and size of prestressing tendons and anchorages 	NR	Р	Р		Art. 2.4 B 2.4 H	,				
 c. Grade, type and size of reinforcement, connectors, anchor bolts, and prestressing tendons and anchorages 	NR	Ρ	Ρ		Art. 3.4, 3	6.6 A				
d. Prestressing technique	NR	Р	Р		Art. 3.6 B					
e. Properties of thin-bed mortar for AAC masonry	NR	C ³ /P ⁴	С		Art. 2.1 C					
f. Sample panel construction	NR	Р	С		Art. 1.6 D					
2. Prior to grouting, verify that the following are in	n complian	ce:								
a. Grout space	NR	Ρ	С		Art. 3.2 D 3.2 F	,				
 Placement of prestressing tendons and anchorages 	NR	Ρ	Ρ	Sec. 10.8, 10.9	Art 2.4, 3	6				
c. Placement of reinforcement, connectors and anchor bolts	NR	Ρ	С	Sec. 6.1, 6.3.1, 6.3.6, 6.3.7	Art. 3.2 E	, 3.4				
 Proportions of site-prepared grout and prestressing grout for bonded tendons 	NR	Ρ	Ρ		Art. 2.6 B 2.4 G,1.b	,				
3. Verify during construction:										
a. Materials and procedures with the approved submittals	NR	Ρ	Ρ		Art. 1.5					
 Placement of masonry units and mortar joint construction 	NR	Ρ	Ρ		Art. 3.3 B					
c. Size and location of structural members	NR	Р	Р		Art. 3.3 F					
 d. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction 	NR	Р	с	Sec 1.2.1(e), 6.2.1, 6.3.1	1					
e. Welding of reinforcement	NR	С	С	Sec. 6.1.6.1.2						
 f. Preparation, construction and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F) 	NR	Ρ	Ρ		Art. 1.8 1.8 D	С,				
 Application and measurement of prestressing force 	NR	С	С		Art. 3.6	В				
 Placement of grout and prestressing grout for bonded tendons is in compliance 	NR	С	С		Art. 3.5 3.6 C	,				
i. Placement of AAC masonry units and construction of thin-bed mortar joints	NR	C ³ /P ⁴	С		Art. 3.3 3.3 F.1.	B.9, b				
 Observe preparation of grout specimens, mortar specimens and/or prisms 	NR	Р	С		Art. 1.4 B.2 1.4 B.2 1.4 B.2 1.4 B.3	.a.3, .b.3, .c.3,				

2. Frequency refers to the frequency of inspection, which may be continuous or periodic during the listed task, as defined in the table.

NR = Not Required

P = Periodic

C = Continuous

3. Required for the first 5,000 square feet of AAC masonry.

4. Required after the first 5,000 square feet of AAC masonry.



	Poquirod Spocial Inspections and Tests	Check if	Required
		C	Р
	Wood Construction – CBC 1705.5		
1.	High-load diaphragms.		
2.	Metal-plate-connected wood trusses: Wood truss clear span of 60 feet or greater, bracing per		
0	approved truss package.		
3.	Manufactured trusses and assemblies.		
4.	Structural glued laminated timber.		
5.	Manufactured open web trusses.		
0. 7	Imper connectors.		
1.	Mass umber construction.		
1	Varify materials below shallow foundations are adequate to achieve the design bearing		
1.	capacity.		
2.	Verify excavations are extended to proper depth and have reached proper material.		
3.	Perform classification and testing of compacted fill materials.		
4.	Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.		
5.	Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.		
6.	Soil fill.		
	Driven Deep Foundations – CBC 1705.7		
1.	Verify element materials, sizes and lengths comply with the requirements.		
2.	Determine capacities of test elements and conduct additional load tests, as required.		
3.	Observe driving operations and maintain complete and accurate records for each element.		
4.	Verify 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 any damage to foundation element.		
5.	For steel elements, perform additional inspections in accordance with CBC Section 1705.2.		
6.	For concrete elements and concrete-filled elements, perform additional inspections in accordance with CBC Section 1705.3.		
7.	For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.		
8.	Continuous special inspection shall be performed during installation of helical pile foundations.		
	Cast-In Place Foundations – CBC 1705.8		
1.	Observe drilling operations and maintain complete and accurate records for each element.		
2.	Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata		
_	capacity. Record concrete or grout volumes.		
3.	For concrete elements, perform additional inspections in accordance with Section CBC 1705.3.		
1	Wind Resistance – CBC 1/05.11		
1.	Structural wood.		
	a. Field gluing operations of elements of the main windforce resisting system.	ļ	
	system, including wood shear walls, wood diaphragms, drag structs, braces, and hold-		
_	downs.		
2.	Cold-formed steel light-frame construction:		
	a. vveiding operations of elements of the main windforce-resisting system.		
	b. Screw attachment, boiting, anchoring, and other tastening of elements of the main		
	windiorce-resisting system, including snear walls, praces, diaphragms, collectors (drag structs), and hold-downs		
2	Wind-resisting components:		
5.	a Roof covering roof deck and roof framing connections		
	b Exterior wall covering and wall connections to roof and floor diaphragms and framing		
	Seismic Resistance – CRC 1705 12		
1	Structural steel per CBC 1705.12.1:		
	a. Seismic force-resisting systems inspected according to AISC 341.		



		Required Special Inspections and Tests	Check if	Required
			C	Р
	b.	Structural steel elements other than those covered in (a) including struts, collectors,		
2	Ctr	ustural wood per CPC 1705 12.2:		
Ζ.	31	Eield duing operations of elements of the seismic force resisting system		
	<u>a.</u> h	Nailing bolting anchoring and other fastening of elements of the seismic force-resisting		
	υ.	system including wood shear walls wood diaphragms drag struts braces shear panels		
		and hold-downs.		
3.	Со	Id-formed steel light-frame construction per CBC 1705.12.3:		l
	a.	Welding operations of elements of the seismic force-resisting system.		
	b.	Screw attachment. Bolting, anchoring, and other fastening of elements of the seismic		
		force-resisting system, including shear walls, braces, diaphragms, collectors (drag struts),		
		and hold-downs.		
4.	De	signated seismic systems per CBC 1705.12.4: Verify the label, anchorage, and mounting		
_	cor	nform to the certificate of compliance.		
5.	Arc	chitectural components per CBC Section 1705.12.5.		
6.	Plu	imbing, mechanical, and electrical components per CBC Section 1705.12.6.		
	a.	Anchorage of electrical equipment for emergency and standby power systems.		
	D.	installation and anchorage of piping systems designed to carry hazardous materials and		
		Inell associated mechanical units.		
	<u>с.</u> d	Installation and anchorage of vibration isolation systems where the approved construction		
	u.	documents require nominal clearance of $\frac{1}{2}$ inch or less between the equipment support		
		and restraint.		
-	e.	Installation of mechanical and electrical equipment, including duct work, piping systems		
		and their structural supports, where automatic fire sprinkler systems are installed.		
7.	Sto	prage racks that are 8 feet or greater in height per CBC Section 1705.12.7.		
8.	Se	ismic isolation systems per CBC Section 1705.12.8.		
9.	Со	ld-formed steel special bolted moment frames per CBC Section 1705.12.9.		
		Testing for Seismic Resistance – CBC 1705.13		
1.	Str	uctural steel per CBC 1705.13.1:		
	<u>C.</u>	NDT of structural steel in the seismic force-resisting systems according to AISC 341.		
	d.	NDT of structural steel elements other than those covered in (a) including struts, collectors,		
2	No	chords, and foundation elements according to AISC 341.		
Ζ.	1NO tho	Instructural components per CBC 1705.13.2: Registered design professional shall specify		
	dor	sumenting the requirements shall be submitted to the building official		
3	De	signated seismic systems per CBC 1705 13 3. Registered design professional shall specify		
0.	the	requirements to be met by analysis, testing, or experience data. Certificates of compliance		
	dod	cumenting the requirements shall be submitted to the building official.		
4.	Se	ismic isolation systems per CBC Section 1705.12.8 shall be tested in accordance with		
	Se	ction 17.8 of ASCE 7.		
		Sprayed Fire-Resistant Materials – CBC 1705.14		
1.	The	e special inspections and tests shall include the following to demonstrate compliance with th	ne listing ar	nd the fire-
	res	istance rating:		
	a.	Inspect substrates for accordance with the approved fire-resistance design.		
<u> </u>	D.	Approved manufacturer's written instructions.		
	<u>С.</u>	Verify minimum ampient temperature before and after application.		
<u> </u>	<u>u.</u>	Venily veniliation of area during and after application. Measure average thickness per ASTM E605 and Section 1705 14.4		
	ਦ. f	Verify density of material for conformance with the approved fire resistant design and		
	1.	ASTM F605 and Section 1705 14 5		
<u> </u>	n	Test cohesive/adhesive bond strength per ASTM F736 and Section 1705 14 6		
	h.	Inspect condition of finished application.		
		Mastic and Intumescent Fire-Resistant Coatings – CBC 1705.15		·
1.	Ins	pect mastic and intumescent fire-resistant coatings per CBC 1705.15 and AWCI 12-B.		
		Exterior Insulation and Finish Systems (EIFS) – CBC 1705.16		



	Perwined Special Increations and Tests		Required
	Required Special inspections and rests	С	Ρ
1.	Inspect EIFS per CBC 1705.16 and ASTM E250.		
	Fire-Resistant Penetrations and Joints – CBC 1705.17		
1.	Fire-resistant penetrations and joints in high-rise or risk category III or IV buildings per CBC Section 1705.17.		
2.	Penetration firestop systems and/or fire-resistant joint systems per CBC Sections 1705.17.1 & 1705.17.2.		
	Smoke Control Systems – CBC 1705.18		
1.	Smoke control systems per CBC Section 1705.18.		
	Shotcrete – CBC 1705.19		
1.	Shotcrete work per CBC 1705.19:		
	a. Check materials.		
	b. Placing equipment.		
	c. Details of construction and construction procedure.		
	d. Preconstruction and strength tests of shotcrete per CBC Sections 1908.5 and 1908.10.		
2.	Visual examination for structural soundness of in-place shotcrete per CBC Sections 1905.19.1.		
	Sealing of Mass Timber – CBC 1705.20		
1.	Inspection of sealants or adhesives where sealant or adhesive required per CBC Section 703.9 is applied to mass timber building elements as designated in approved construction documents.		

Seismic/Wind Requirements (CBC Section 1705.11-13)

Description of wind resistance and seismic-force-resisting system subject to special inspections as per CBC Section 1705.11-13. Describe the seismic resisting system in the longitudinal and transverse directions.

Special Instructions and/or Structural Observation Required (CBC Section 1704.6)

SPECIAL INSPECTION & TESTING AGREEMENT



COMMUNITY DEVELOPMENT DEPARTMENT • 345 N EL DORADO STREET • STOCKTON, CA 95202 • (209) 937-8561 www.stocktonca.gov/buildinginspection

Prior to issuance of a permit, this form must be completed and approved by the Building Department for projects requiring special inspection in accordance with Chapter 17 of the California Building Code (CBC). Before permit issuance, all parties must sign this agreement. Please note that failure to comply with special inspection requirements could be result in added costs and/or delays in the project.

Part I – Statement of Special Inspection

Project Name:	Date:
Project Address:	Permit Number: BP
Cit	ty Approved Testing/Inspection Agencies
Agency 1:	Phone Number:
	Email:
Agency 2:	Phone Number:
	Email:

Part II – Special Inspection and Testing Agreement

Before a permit can be issued: When special inspection is required by CBC Section 1705, the registered design professional shall prepare an inspection program, which shall be submitted, to the Building Official for approval prior to issuance of the building permit. A pre-construction conference with the parties involved may be required to review the special inspection requirements and procedures.

Approval of special inspectors: The special inspection firm(s) named above have been authorized to perform the special inspection and testing services designated in this agreement, and in accordance with the CBC requirements, and to report all activities to the Building Official, and other parties as listed. It is understood that special inspections are required in addition to the normal inspections performed by the Building Inspector. The special inspector shall be employed by the owner (other than owner – builder/developer), the registered design professional, or an agent of the owner, BUT NOT the contractor, or any other person responsible for the work (such as an owner-builder/developer). Special inspectors may have no financial interest in projects for which they provide special inspection. Special inspectors shall be approved by the building department prior to performing any duties. Special inspectors shall submit their qualifications and are subject to personal interviews for prequalification. Special inspector. Only the City approved special inspection agency of record shall sample, transport and test material. Special inspection and testing shall meet the minimum requirements of the CBC Section 1701. The following conditions are also applicable:

A. Duties and Responsibilities of the Special Inspector:

1. Observe work – The special inspector shall observe the work for conformance with the building department approved (stamped) designs drawings and specifications and applicable workmanship provisions of the California Building Code. Architect/Engineer-reviewed shop drawings may be used only as an aid to inspection. Special inspections are to be performed on a continuous basis, meaning that the special inspector is on site in the general area at all times observing the work requiring special inspection. Periodic inspections, if any, must have prior approval based on a separate written plan reviewed and approved by the building department and the architect or engineer of record.

- 2. **Report nonconforming items** The special inspector shall bring nonconforming items to the immediate attention of the contractor and note all such items in the daily report. If any items are not resolved in a timely manner or are 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 and weekly reports 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 jobsite with the contractor for review by the building inspector. The reports shall include description of daily inspections and tests made with applicable locations, listing of all nonconforming items, report on how nonconforming items were resolved or unresolved as applicable, and itemized changes authorized by the architect, engineer and Building Official if not included in nonconformance items. The daily and weekly reports shall be emailed on a daily and weekly basis to the Building Official (Slreports@stocktonca.gov). Each email subject line shall have the following naming format: Permit Number Address Date
- 4. Furnish final report The special inspector or inspection agency shall submit a final wet stamped and signed report to the Building Official stating that all items requiring special inspection and testing were fulfilled and reported and, to the best of his or her knowledge, in conformance with the approved design drawings, specifications, approved change orders and the applicable workmanship provisions of the CBC. Items not in conformance, unresolved items or any discrepancies in inspection coverage shall be specifically itemized on an addendum to this report. The final report shall be emailed prior to scheduling final building inspection to the Building Official (Sireports@stocktonca.gov) Each email subject line shall have the following naming format: Permit Number Address Date

B. Contractor Responsibilities:

- 1. Notify the special inspector The contractor is responsible for notifying the special inspector regarding individual inspections for items listed on the attached schedule and as noted on the building department approved plans.
- 2. Notify the Building Department The contractor is responsible for notifying the City's Building Department. City approval is required prior to proceeding. General contractor shall notify the Building Department at (209) 937-8561 at least 24 hours in advance for each day special inspection will be conducted listed on the attached schedule and as noted on the Building Department approved plans.
- 3. Provide access to approved plans and retain special inspection records.
- **C. Owner Responsibilities:** The project owner or the engineer or architect of record acting as the owner's agent is responsible for funding special inspection services (ref. CBC Sec. 1701).

D. Designer Responsibilities:

- 1. Complete the Special Inspection & Testing Schedule The engineer or architect of record shall specify special inspection required in the construction documents and list these items on the Special Inspection & Testing Schedule on the plans.
- 2. Respond to field discrepancies The engineer or architect of record shall respond to uncorrected field deficiencies in design, material, or workmanship observed by the special inspector.
- Submit design changes The engineer or architect of record is responsible for any design changes, in addition to acknowledgment and approval of shop drawings which may detail structural information, and for submission of such changes to the Building Official for approval.

E. Building Department Responsibilities:

- 1. Approve special inspection The building department shall approve all special inspectors and special inspection requirements.
- 2. Enforce special inspection Work requiring special inspection and the performance of special inspection shall be monitored by the building inspector. Building Department approval must be obtained prior to placement of concrete, covering of structural steel, or other similar activities in addition to that of the special inspector.
- Issue Certificate of Occupancy The Building Official may issue a Temporary Certificate of Occupancy or a Certificate of Final Completion and Occupancy after all special inspection reports and the final compliance report have been submitted and accepted.



Acknowledgements

The undersigned hereby affirm, under penalty of law that the special inspection program is in accordance with the requirements of the CBC and the City of Stockton. The undersigned has used all reasonable diligence in completing this form and to the best of his/her knowledge the information contained herein is true and complete. The undersigned hereby certifies under the penalty of perjury under the laws of the State of California that the foregoing is true and correct.

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

Registered Design Professional in Responsible Charge:

Name:		License Number:	
Phone Number:	Email Address:		
Signature:	hall fin	Date:	
Owner's Authorization:		I	
Name:			
Phone Number:	Email Address:		
Signature:	Bran	Date:	
General Contractor:		I	
Name:		License Number:	
Phone Number:	Email Address:		
Signature:		Date:	
Special Inspection/Test	ing Agency Engineer:	I	
NI		Listen Alternation	

Name:		License Number:
Phone Number:	Email Address:	
Signature:		Date:

Building Department's Acceptance:

Name:	Title:
Signature:	Date:



Part III – Special Inspection and Testing Schedule

The schedule below shall be completed by the Engineer-of-Record for the project. The inspections listed are in accordance with Chapter 17 of the California Building Code, refer to Chapter 17 for more detailed requirements. Refer to the **City Approved** drawings and/or project specifications for additional inspections, tests, or requirements.

Indicate in the table below which inspections are required for this project. Check the appropriate box to denote either continuous (C) or periodic (P) inspection required.

Required Special Inspections and Tests		Check if	Required					
		С	Р					
	Steel Construction – CBC 1705.2							
1.	Ма	terial verification of high-strength bolts, nuts, and washers.						
	а.	Identification markings to conform to ASTM standards specified in the approved						
	<u> </u>	construction documents.						
_	b.	Manufacturer's certificate of compliance required.						
2.	Ins	pection of high-strength bolting:						
	a.	Snug-tight joints.						
	b.	Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt or direct tension indicator methods of installation.						
	C.	Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated						
		wrench methods of installation.						
3.	Ма	terial verification of cold-formed steel deck:						
	a.	For structural steel, identification markings to conform to AISC						
	b.	For other steel, identification markings to conform to ASTM standards specified in the						
		approved construction documents.						
	C.	Manufacturer's certified test reports.						
4.	Ins	pection of welding (shop or field):						
	a.	Structural steel and cold-formed steel deck:						
		1) Complete and partial joint penetration groove welds.						
		2) Multipass fillet welds.						
		3) Single-pass fillet welds > 5/16"						
		4) Plug and slot welds.						
		5) Single-pass fillet welds ≤ 5/16"						
		6) Floor and roof deck welds.						
	b.	Reinforcing steel:						
		1) Verification of weldability of reinforcing steel other than ASTM A 706.						
		2) Reinforcing steel resisting flexural and axial forces in intermediate and special moment						
		frames, and boundary elements of special structural walls of concrete and shear						
		reinforcement.						
		3) Shear reinforcement.						
_		4) Other reinforcing steel.						
5.	Ins	pection of steel frame joint details for compliance with approved construction documents:		[
	a.	Details such as bracing and stiffening.						
	.u	Application of joint details at each logation						
6	C.	Application of joint details at each location.						
б.	Ins	Tailation of open-web steel joists and joist girders.						
	а. ь	Pridaing barizontal or diagonal						
	υ.	1) Standard bridging						
		 Standard Druging. Redging that differs from the Sill specifications listed in Section 2207.1 						
7	<u> </u>	2) Druging that unlets norm the Sit specifications listed in Section 2207.1						
· · ·	200	noved truss package						
	ap	Concrete Construction - CBC 1705 3						
1	Ine	nect reinforcement including prestressing tendons, and verify placement						
2	Re	inforcing bar welding.						
2.	2	Verify weldability of reinforcing bars other than ASTM A706						
	b.	Inspect single-pass fillet welds, maximum 5/16": and						



Required Spectal inspections and resis C P c. Inspect all other welds. Inspection of anchors cast-in concrete. Image: Construction of anchors post-installed in hardened concrete members. Image: Construction of anchors post-installed in hardened concrete members. Image: Construction of anchors post-installed in hardened concrete members. a. Adhesive anchors installed in hardened concrete members. Image: Construction of anchors post-installed in hardened concrete members. a. Adhesive anchors installed in hardened concrete members. Image: Construction of concrets and adhesive anchors. b. All other mechanical anchors and adhesive anchors. Image: Construction of concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. Image: Construction of concrete and shotcrete placement for proper application techniques. Image: Construction of concrete and shotcrete placement for proper application techniques. Image: Construction of prestressed concrete. Image: Construction of prestressing forces. Image: Consete strength, prior to stressing of tendons i		Dequired Special Inspections and Tests		Check if Required		
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a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.	4.	Inspection of anchors post-installed in hardened concrete members.				
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b. All other mechanical anchors and adhesive anchors. Image: Construction of concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. Image: Concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. 7. Inspection of concrete and shotcrete placement for proper application techniques. Image: Concrete and shotcrete placement for proper application techniques. 8. Inspection of concrete and shotcrete placement for proper application techniques. Image: Concrete and shotcrete placement for proper application techniques. 9. Inspection of concrete and shotcrete. Image: Concrete and shotcrete. a. Application of prestressing forces. Image: Concrete and proper application techniques. 9. Inspection of precast concrete members. Image: Concrete and prior to removal of shores and forms from beams and structural slabs. 10. Erection of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs. Image: Construction - CBC 1705.4 11. Verifical inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. Image: Construction - CBC 1705.4 2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV. Image: Construction quality assura		sustained tension loads.				
5. Verifying use of required design mix.		b. All other mechanical anchors and adhesive anchors.				
 6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. 7. Inspection of concrete and shotcrete placement for proper application techniques. 8. Inspection for maintenance of specified curing temperature and techniques. 9. Inspection of prestressed concrete. a. Application of prestressing forces. b. Grouting of bonded prestressing tendons in the seismic-force-resisting system. 10. Erection of precast concrete members. 11. Verification of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs. 12. Inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. 2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV. 3. Vertical masonry construction quality assurance level (1 or 2 or 3) 	5.	Verifying use of required design mix.				
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7. Inspection of concrete and shotcrete placement for proper application techniques. Image: Concrete and Shotcrete Placement for proper application techniques. 8. Inspection for maintenance of specified curing temperature and techniques. Image: Concrete and Shotcrete Placement for proper application techniques. 9. Inspection of prestressed concrete. a. Application of prestressing forces. Image: Concrete Placement for proper application specified curing system. 10. Erection of precast concrete members. Image: Concrete Strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs. Image: Concrete Member Shore 12. Inspect formwork for shape, location and dimensions of the concrete member being formed. Image: Construction - CBC 1705.4 1. Special inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. Image: Construction - CBC 1705.4 2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV. Image: Construction - CBC 1705.4 3. Vertical masonry foundation elements. Image: Construction - CBC 1705.4 4. Indicate masonry construction quality assurance level (1 or 2 or 3) Image: Construction - CBC 1705.4		content tests, and determine the temperature of the concrete.				
 8. Inspection for maintenance of specified curing temperature and techniques. 9. Inspection of prestressed concrete. a. Application of prestressing forces. b. Grouting of bonded prestressing tendons in the seismic-force-resisting system. 10. Erection of precast concrete members. 11. Verification of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs. 12. Inspect formwork for shape, location and dimensions of the concrete member being formed. 14. Special inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. 2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV. 3. Vertical masonry foundation elements. 4. Indicate masonry construction quality assurance level (1 or 2 or 3) 	7.	Inspection of concrete and shotcrete placement for proper application techniques.				
9. Inspection of prestressed concrete. a. Application of prestressing forces. a. a. Application of prestressing tendons in the seismic-force-resisting system. a. 10. Erection of precast concrete members. a. 11. Verification of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs. a. 12. Inspect formwork for shape, location and dimensions of the concrete member being formed. a. Masonry Construction – CBC 1705.4 1. Special inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. a. 2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV. a. 3. Vertical masonry foundation elements. a. 4. Indicate masonry construction quality assurance level (1 or 2 or 3) b.	8.	Inspection for maintenance of specified curing temperature and techniques.				
a. Application of prestressing forces. Image: construction of present concrete members. b. Grouting of bonded prestressing tendons in the seismic-force-resisting system. Image: construction of precast concrete members. 10. Erection of precast concrete members. Image: construction of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs. Image: construction of precast concrete members. 12. Inspect formwork for shape, location and dimensions of the concrete member being formed. Image: construction of the concrete member being formed. 13. Special inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. Image: construction of TMS 402 and TMS 602. 2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV. Image: construction of the construction of the construction of the construction of TMS 402 and TMS 602. 3. Vertical masonry foundation elements. Image: construction of the cons	9.	Inspection of prestressed concrete.				
b. Grouting of bonded prestressing tendons in the seismic-force-resisting system. Image: Construction of precast concrete members. 10. Erection of precast concrete members. Image: Construction of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs. Image: Construction of the concrete member being formed. 12. Inspect formwork for shape, location and dimensions of the concrete member being formed. Image: Construction - CBC 1705.4 13. Special inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. Image: Construction - CBC 1705.4 2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV. Image: Construction - CBC 1705.4 3. Vertical masonry foundation elements. Image: Construction - CBC 1705.4 4. Indicate masonry construction quality assurance level (1 or 2 or 3) Image: Construction - CBC 1705.4		a. Application of prestressing forces.				
10. Erection of precast concrete members. Image: concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs. 11. Verification of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs. 12. Inspect formwork for shape, location and dimensions of the concrete member being formed. Masonry Construction – CBC 1705.4 1. Special inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. 2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV. 3. Vertical masonry foundation elements. 4. Indicate masonry construction quality assurance level (1 or 2 or 3)		b. Grouting of bonded prestressing tendons in the seismic-force-resisting system.				
11. Verification of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs. 10. 12. Inspect formwork for shape, location and dimensions of the concrete member being formed. 10. Masonry Construction – CBC 1705.4 1. Special inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. 10. 2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV. 10. 3. Vertical masonry foundation elements. 10. 4. Indicate masonry construction quality assurance level (1 or 2 or 3) 10.	10.	Erection of precast concrete members.				
and prior to removal of shores and forms from beams and structural slabs. Image: Construction of the concrete member being formed. 12. Inspect formwork for shape, location and dimensions of the concrete member being formed. Image: Construction - CBC 1705.4 1. Special inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. Image: Construction - CBC 1705.4 2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV. Image: Construction - CBC 1705.4 3. Vertical masonry foundation elements. Image: Construction - CBC 1705.4 4. Indicate masonry construction quality assurance level (1 or 2 or 3) Image: Construction - CBC 1705.4	11.	Verification of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete				
12. Inspect formwork for shape, location and dimensions of the concrete member being formed. Masonry Construction – CBC 1705.4 1. Special inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. Image: Construction – CBC 1705.4 2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV. Image: Construction – CBC 1705.4 3. Vertical masonry foundation elements. Image: Construction – CBC 1705.4 4. Indicate masonry construction quality assurance level (1 or 2 or 3) Image: Construction – CBC 1705.4		and prior to removal of shores and forms from beams and structural slabs.				
Masonry Construction – CBC 1705.4 1. Special inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. Image: Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"C	12.	Inspect formwork for shape, location and dimensions of the concrete member being formed.				
1. Special inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. Image: Construction of the test of		Masonry Construction – CBC 1705.4				
of TMS 402 and TMS 602.	1.	Special inspection and tests in accordance with the quality assurance program requirements				
2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV. 3. 3. Vertical masonry foundation elements. 4. 4. Indicate masonry construction quality assurance level (1 or 2 or 3) 4.		of TMS 402 and TMS 602.				
3. Vertical masonry foundation elements. 4. Indicate masonry construction quality assurance level (1 or 2 or 3)	2.	Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV.				
4. Indicate masonry construction quality assurance level (1 or 2 or 3)	3.	Vertical masonry foundation elements.				
	4.	Indicate masonry construction quality assurance level (1 or 2 or 3)				

TABLE 5.19 Modified TMS 602 Tables 3 and 4, Level 2 Quality Assurance

Minimum Verification					
Varification	Required ¹ Reference for		Required ¹		
Verification		Level 2	Level 3	TMS 602	
1. Prior to construction:					
a. Verification of compliance of submittals.	NR	R	R	Art. 1.5	
b. Verification of f'_m and f'_{AAC} , except where specifically exempted by the code.	NR	R	R	Art. 1.4 B	
2. During construction:					
 a. Verification of slump flow and Visual Stability Index (VSI) when self- consolidating grout is delivered to the project site. 	NR	R	R	Art. 1.5 & 1.6.3	
b. Verification of f'_m and f'_{AAC} for every 5,000 sq. ft.	NR	NR	R	Art. 1.4 B	
 c. Verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout and grout other than self-consolidating grout. 	NR	NR	R	Art. 1.4 B	



Required Special Inspection	ons and	Tests			F	Cneck
	Special	Incocation		I		C
Minimum	i Special	requency	2	Poforono	o for Crit	ria
Inspection Task		requency	Loval 2	TMC 402		00
1 As masonny construction begins, verify that th		are in com	Level 3	11013 402	11113 0	02
a. Proportions of site-prepared mortar	NR	P	P		Art. 2.1, 2.6 A. 2.6	С
 Grade and size of prestressing tendons and anchorages 	NR	Р	Р		Art. 2.4 B 2.4 H	,
 c. Grade, type and size of reinforcement, connectors, anchor bolts, and prestressing tendons and anchorages 	NR	Ρ	Ρ		Art. 3.4, 3	6.6 A
d. Prestressing technique	NR	Р	Р		Art. 3.6 B	
e. Properties of thin-bed mortar for AAC masonry	NR	C ³ /P ⁴	С		Art. 2.1 C	
f. Sample panel construction	NR	Р	С		Art. 1.6 D	
2. Prior to grouting, verify that the following are in	n complian	ce:				
a. Grout space	NR	Ρ	С		Art. 3.2 D 3.2 F	,
 Placement of prestressing tendons and anchorages 	NR	Ρ	Ρ	Sec. 10.8, 10.9	Art 2.4, 3	6
c. Placement of reinforcement, connectors and anchor bolts	NR	Ρ	С	Sec. 6.1, 6.3.1, 6.3.6, 6.3.7	Art. 3.2 E	, 3.4
 Proportions of site-prepared grout and prestressing grout for bonded tendons 	NR	Ρ	Ρ		Art. 2.6 B 2.4 G,1.b	,
3. Verify during construction:						
a. Materials and procedures with the approved submittals	NR	Ρ	Ρ		Art. 1.5	
 Placement of masonry units and mortar joint construction 	NR	Ρ	Ρ		Art. 3.3 B	
c. Size and location of structural members	NR	Р	Р		Art. 3.3 F	
 d. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction 	NR	Р	с	Sec 1.2.1(e), 6.2.1, 6.3.1	1	
e. Welding of reinforcement	NR	С	С	Sec. 6.1.6.1.2		
 f. Preparation, construction and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F) 	NR	Ρ	Р		Art. 1.8 1.8 D	С,
 Application and measurement of prestressing force 	NR	С	С		Art. 3.6	В
 Placement of grout and prestressing grout for bonded tendons is in compliance 	NR	С	С		Art. 3.5 3.6 C	,
i. Placement of AAC masonry units and construction of thin-bed mortar joints	NR	C ³ /P ⁴	С		Art. 3.3 3.3 F.1.	B.9, b
 Observe preparation of grout specimens, mortar specimens and/or prisms 	NR	Р	С		Art. 1.4 B.2 1.4 B.2 1.4 B.2 1.4 B.3	.a.3, .b.3, .c.3,

2. Frequency refers to the frequency of inspection, which may be continuous or periodic during the listed task, as defined in the table.

NR = Not Required

P = Periodic

C = Continuous

3. Required for the first 5,000 square feet of AAC masonry.

4. Required after the first 5,000 square feet of AAC masonry.



Poquired Special Inspections and Tests			Required
		C	Р
	Wood Construction – CBC 1705.5		
1.	High-load diaphragms.		
2.	Metal-plate-connected wood trusses: Wood truss clear span of 60 feet or greater, bracing per		
0	approved truss package.		
3.	Manufactured trusses and assemblies.		
4.	Structural glued laminated timber.		
5.	Manufactured open web trusses.		
0. 7	Imper connectors.		
1.	Mass umber construction.		
1	Varify materials below shallow foundations are adequate to achieve the design bearing		
1.	capacity.		
2.	Verify excavations are extended to proper depth and have reached proper material.		
3.	Perform classification and testing of compacted fill materials.		
4.	Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.		
5.	Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.		
6.	Soil fill.		
	Driven Deep Foundations – CBC 1705.7		
1.	Verify element materials, sizes and lengths comply with the requirements.		
2.	Determine capacities of test elements and conduct additional load tests, as required.		
3.	Observe driving operations and maintain complete and accurate records for each element.		
4.	Verify 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 any damage to foundation element.		
5.	For steel elements, perform additional inspections in accordance with CBC Section 1705.2.		
6.	For concrete elements and concrete-filled elements, perform additional inspections in accordance with CBC Section 1705.3.		
7.	For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.		
8.	Continuous special inspection shall be performed during installation of helical pile foundations.		
	Cast-In Place Foundations – CBC 1705.8		
1.	Observe drilling operations and maintain complete and accurate records for each element.		
2.	Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata		
_	capacity. Record concrete or grout volumes.		
3.	For concrete elements, perform additional inspections in accordance with Section CBC 1705.3.		
1	Wind Resistance – CBC 1/05.11		
1.	Structural wood.		
	a. Field gluing operations of elements of the main windforce resisting system.	ļ	
	system, including wood shear walls, wood diaphragms, drag structs, braces, and hold-		
_	downs.		
2.	Cold-formed steel light-frame construction:		
	a. vveiding operations of elements of the main windforce-resisting system.		
	b. Screw attachment, boiting, anchoring, and other tastening of elements of the main		
	windiorce-resisting system, including snear walls, praces, diaphragms, collectors (drag structs), and hold-downs		
2	Wind-resisting components:		
5.	a Roof covering roof deck and roof framing connections		
	b Exterior wall covering and wall connections to roof and floor diaphragms and framing		
	Seismic Resistance – CRC 1705 12		
1	Structural steel per CBC 1705.12.1:		
	a. Seismic force-resisting systems inspected according to AISC 341.		



		Required Special Inspections and Tests	Check if	Required
			C	Р
	b.	Structural steel elements other than those covered in (a) including struts, collectors,		
2	Ctr	ustural wood per CPC 1705 12.2:		
Ζ.	31	Eield duing operations of elements of the seismic force resisting system		
	<u>a.</u> h	Nailing bolting anchoring and other fastening of elements of the seismic force-resisting		
	υ.	system including wood shear walls wood diaphragms drag struts braces shear panels		
		and hold-downs.		
3.	Со	Id-formed steel light-frame construction per CBC 1705.12.3:		l
	a.	Welding operations of elements of the seismic force-resisting system.		
	b.	Screw attachment. Bolting, anchoring, and other fastening of elements of the seismic		
		force-resisting system, including shear walls, braces, diaphragms, collectors (drag struts),		
		and hold-downs.		
4.	De	signated seismic systems per CBC 1705.12.4: Verify the label, anchorage, and mounting		
_	cor	nform to the certificate of compliance.		
5.	Arc	chitectural components per CBC Section 1705.12.5.		
6.	Plu	imbing, mechanical, and electrical components per CBC Section 1705.12.6.		
	a.	Anchorage of electrical equipment for emergency and standby power systems.		
	D.	installation and anchorage of piping systems designed to carry hazardous materials and		
		Inell associated mechanical units.		
	<u>с.</u> d	Installation and anchorage of vibration isolation systems where the approved construction		
	u.	documents require nominal clearance of $\frac{1}{2}$ inch or less between the equipment support		
		and restraint.		
-	e.	Installation of mechanical and electrical equipment, including duct work, piping systems		
		and their structural supports, where automatic fire sprinkler systems are installed.		
7.	Sto	prage racks that are 8 feet or greater in height per CBC Section 1705.12.7.		
8.	Se	ismic isolation systems per CBC Section 1705.12.8.		
9.	Со	ld-formed steel special bolted moment frames per CBC Section 1705.12.9.		
		Testing for Seismic Resistance – CBC 1705.13		
1.	Str	uctural steel per CBC 1705.13.1:		
	<u>C.</u>	NDT of structural steel in the seismic force-resisting systems according to AISC 341.		
	d.	NDT of structural steel elements other than those covered in (a) including struts, collectors,		
2	No	chords, and foundation elements according to AISC 341.		
Ζ.	1NO tho	Instructural components per CBC 1705.13.2: Registered design professional shall specify		
	dor	sumenting the requirements shall be submitted to the building official		
3	De	signated seismic systems per CBC 1705 13 3. Registered design professional shall specify		
0.	the	requirements to be met by analysis, testing, or experience data. Certificates of compliance		
	dod	cumenting the requirements shall be submitted to the building official.		
4.	Se	ismic isolation systems per CBC Section 1705.12.8 shall be tested in accordance with		
	Se	ction 17.8 of ASCE 7.		
		Sprayed Fire-Resistant Materials – CBC 1705.14		
1.	The	e special inspections and tests shall include the following to demonstrate compliance with th	ne listing ar	nd the fire-
	res	istance rating:		
	a.	Inspect substrates for accordance with the approved fire-resistance design.		
<u> </u>	D.	Approved manufacturer's written instructions.		
	<u>С.</u>	Verify minimum ampient temperature before and after application.		
<u> </u>	<u>u.</u>	Venily veniliation of area during and after application. Measure average thickness per ASTM E605 and Section 1705 14.4		
	ਦ. f	Verify density of material for conformance with the approved fire resistant design and		
	1.	ASTM F605 and Section 1705 14 5		
<u> </u>	n	Test cohesive/adhesive bond strength per ASTM F736 and Section 1705 14 6		
	h.	Inspect condition of finished application.		
		Mastic and Intumescent Fire-Resistant Coatings – CBC 1705.15		·
1.	Ins	pect mastic and intumescent fire-resistant coatings per CBC 1705.15 and AWCI 12-B.		
		Exterior Insulation and Finish Systems (EIFS) – CBC 1705.16		



	Required Special Inspections and Tests		Required
			Ρ
1.	Inspect EIFS per CBC 1705.16 and ASTM E250.		
	Fire-Resistant Penetrations and Joints – CBC 1705.17		
1.	Fire-resistant penetrations and joints in high-rise or risk category III or IV buildings per CBC Section 1705.17.		
2.	Penetration firestop systems and/or fire-resistant joint systems per CBC Sections 1705.17.1 & 1705.17.2.		
	Smoke Control Systems – CBC 1705.18		
1.	Smoke control systems per CBC Section 1705.18.		
	Shotcrete – CBC 1705.19		
1.	Shotcrete work per CBC 1705.19:		
	a. Check materials.		
	b. Placing equipment.		
	c. Details of construction and construction procedure.		
	d. Preconstruction and strength tests of shotcrete per CBC Sections 1908.5 and 1908.10.		
2.	Visual examination for structural soundness of in-place shotcrete per CBC Sections 1905.19.1.		
	Sealing of Mass Timber – CBC 1705.20		
1.	Inspection of sealants or adhesives where sealant or adhesive required per CBC Section 703.9 is applied to mass timber building elements as designated in approved construction documents.		

Seismic/Wind Requirements (CBC Section 1705.11-13)

Description of wind resistance and seismic-force-resisting system subject to special inspections as per CBC Section 1705.11-13. Describe the seismic resisting system in the longitudinal and transverse directions.

Special Instructions and/or Structural Observation Required (CBC Section 1704.6)

SPECIAL INSPECTION & TESTING AGREEMENT



COMMUNITY DEVELOPMENT DEPARTMENT • 345 N EL DORADO STREET • STOCKTON, CA 95202 • (209) 937-8561 www.stocktonca.gov/buildinginspection

Prior to issuance of a permit, this form must be completed and approved by the Building Department for projects requiring special inspection in accordance with Chapter 17 of the California Building Code (CBC). Before permit issuance, all parties must sign this agreement. Please note that failure to comply with special inspection requirements could be result in added costs and/or delays in the project.

Part I – Statement of Special Inspection

Project Name:	Date:
Project Address:	Permit Number: BP
Ci	ty Approved Testing/Inspection Agencies
Agency 1:	Phone Number:
	Email:
Agency 2:	Phone Number:
	Email:

Part II – Special Inspection and Testing Agreement

Before a permit can be issued: When special inspection is required by CBC Section 1705, the registered design professional shall prepare an inspection program, which shall be submitted, to the Building Official for approval prior to issuance of the building permit. A pre-construction conference with the parties involved may be required to review the special inspection requirements and procedures.

Approval of special inspectors: The special inspection firm(s) named above have been authorized to perform the special inspection and testing services designated in this agreement, and in accordance with the CBC requirements, and to report all activities to the Building Official, and other parties as listed. It is understood that special inspections are required in addition to the normal inspections performed by the Building Inspector. The special inspector shall be employed by the owner (other than owner – builder/developer), the registered design professional, or an agent of the owner, BUT NOT the contractor, or any other person responsible for the work (such as an owner-builder/developer). Special inspectors may have no financial interest in projects for which they provide special inspection. Special inspectors shall be approved by the building department prior to performing any duties. Special inspectors shall submit their qualifications and are subject to personal interviews for prequalification. Special inspector. Only the City approved special inspection agency of record shall sample, transport and test material. Special inspection and testing shall meet the minimum requirements of the CBC Section 1701. The following conditions are also applicable:

A. Duties and Responsibilities of the Special Inspector:

1. Observe work – The special inspector shall observe the work for conformance with the building department approved (stamped) designs drawings and specifications and applicable workmanship provisions of the California Building Code. Architect/Engineer-reviewed shop drawings may be used only as an aid to inspection. Special inspections are to be performed on a continuous basis, meaning that the special inspector is on site in the general area at all times observing the work requiring special inspection. Periodic inspections, if any, must have prior approval based on a separate written plan reviewed and approved by the building department and the architect or engineer of record.

- 2. **Report nonconforming items** The special inspector shall bring nonconforming items to the immediate attention of the contractor and note all such items in the daily report. If any items are not resolved in a timely manner or are 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 and weekly reports 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 jobsite with the contractor for review by the building inspector. The reports shall include description of daily inspections and tests made with applicable locations, listing of all nonconforming items, report on how nonconforming items were resolved or unresolved as applicable, and itemized changes authorized by the architect, engineer and Building Official if not included in nonconformance items. The daily and weekly reports shall be emailed on a daily and weekly basis to the Building Official (Slreports@stocktonca.gov). Each email subject line shall have the following naming format: Permit Number Address Date
- 4. Furnish final report The special inspector or inspection agency shall submit a final wet stamped and signed report to the Building Official stating that all items requiring special inspection and testing were fulfilled and reported and, to the best of his or her knowledge, in conformance with the approved design drawings, specifications, approved change orders and the applicable workmanship provisions of the CBC. Items not in conformance, unresolved items or any discrepancies in inspection coverage shall be specifically itemized on an addendum to this report. The final report shall be emailed prior to scheduling final building inspection to the Building Official (Sireports@stocktonca.gov) Each email subject line shall have the following naming format: Permit Number Address Date

B. Contractor Responsibilities:

- 1. Notify the special inspector The contractor is responsible for notifying the special inspector regarding individual inspections for items listed on the attached schedule and as noted on the building department approved plans.
- 2. Notify the Building Department The contractor is responsible for notifying the City's Building Department. City approval is required prior to proceeding. General contractor shall notify the Building Department at (209) 937-8561 at least 24 hours in advance for each day special inspection will be conducted listed on the attached schedule and as noted on the Building Department approved plans.
- 3. Provide access to approved plans and retain special inspection records.
- **C. Owner Responsibilities:** The project owner or the engineer or architect of record acting as the owner's agent is responsible for funding special inspection services (ref. CBC Sec. 1701).

D. Designer Responsibilities:

- 1. Complete the Special Inspection & Testing Schedule The engineer or architect of record shall specify special inspection required in the construction documents and list these items on the Special Inspection & Testing Schedule on the plans.
- 2. Respond to field discrepancies The engineer or architect of record shall respond to uncorrected field deficiencies in design, material, or workmanship observed by the special inspector.
- Submit design changes The engineer or architect of record is responsible for any design changes, in addition to acknowledgment and approval of shop drawings which may detail structural information, and for submission of such changes to the Building Official for approval.

E. Building Department Responsibilities:

- 1. Approve special inspection The building department shall approve all special inspectors and special inspection requirements.
- 2. Enforce special inspection Work requiring special inspection and the performance of special inspection shall be monitored by the building inspector. Building Department approval must be obtained prior to placement of concrete, covering of structural steel, or other similar activities in addition to that of the special inspector.
- Issue Certificate of Occupancy The Building Official may issue a Temporary Certificate of Occupancy or a Certificate of Final Completion and Occupancy after all special inspection reports and the final compliance report have been submitted and accepted.



Acknowledgements

The undersigned hereby affirm, under penalty of law that the special inspection program is in accordance with the requirements of the CBC and the City of Stockton. The undersigned has used all reasonable diligence in completing this form and to the best of his/her knowledge the information contained herein is true and complete. The undersigned hereby certifies under the penalty of perjury under the laws of the State of California that the foregoing is true and correct.

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

Registered Design Professional in Responsible Charge:

Name:		License Number:
Phone Number:	Email Address:	
Signature:	-	Date:

Owner's Authorization:

Name:		
Phone Number:	Email Address:	
Signature:		Date:

General Contractor:

Name:		License Number:
Phone Number:	Email Address:	
Signature:		Date:

Special Inspection/Testing Agency Engineer:

Name:		License Number:
Phone Number:	Email Address:	
Signature:		Date:

Building Department's Acceptance:

Name:	Title:
Signature:	Date:



Part III – Special Inspection and Testing Schedule

The schedule below shall be completed by the Engineer-of-Record for the project. The inspections listed are in accordance with Chapter 17 of the California Building Code, refer to Chapter 17 for more detailed requirements. Refer to the **City Approved** drawings and/or project specifications for additional inspections, tests, or requirements.

Indicate in the table below which inspections are required for this project. Check the appropriate box to denote either continuous (C) or periodic (P) inspection required.

Paguirod Special Inspections and Tests				Required
	С	Ρ		
1.	Ма	terial verification of high-strength bolts, nuts, and washers.		
	a.	Identification markings to conform to ASTM standards specified in the approved		
	<u> </u>	construction documents.		
_	b.	Manufacturer's certificate of compliance required.		
2.	Ins	pection of high-strength bolting:		
	a.	Snug-tight joints.		
	b.	Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt or direct tension indicator methods of installation.		
	C.	Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated		
		wrench methods of installation.		
3.	Ма	terial verification of cold-formed steel deck:		
	a.	For structural steel, identification markings to conform to AISC		
	b.	For other steel, identification markings to conform to ASTM standards specified in the		
		approved construction documents.		
	C.	Manufacturer's certified test reports.		
4.	Ins	pection of welding (shop or field):		
	a.	Structural steel and cold-formed steel deck:		
		1) Complete and partial joint penetration groove welds.		
		2) Multipass fillet welds.		
		3) Single-pass fillet welds > 5/16"		
		4) Plug and slot welds.		
		5) Single-pass fillet welds ≤ 5/16"		
		6) Floor and roof deck welds.		
	b.	Reinforcing steel:		
		1) Verification of weldability of reinforcing steel other than ASTM A 706.		
		2) Reinforcing steel resisting flexural and axial forces in intermediate and special moment		
		frames, and boundary elements of special structural walls of concrete and shear		
		reinforcement.		
		3) Shear reinforcement.		
_		4) Other reinforcing steel.		
5.	Ins	pection of steel frame joint details for compliance with approved construction documents:		[
	a.	Details such as bracing and stiffening.		
	.u	Application of joint details at each logation		
6	C.	Application of joint details at each location.		
б.	Ins	Tailation of open-web steel joists and joist girders.		
	а. ь	Pridaing barizontal or diagonal		
	υ.	1) Standard bridging		
		 Standard Druging. Redging that differs from the Sill specifications listed in Section 2207.1 		
7	<u> </u>	2) Druging that unlets norm the Sit specifications listed in Section 2207.1		
· · ·	200	noved truss package		
	ap	Concrete Construction - CBC 1705 3		
1	Ine	nect reinforcement including prestressing tendons, and verify placement		
2	Re	inforcing bar welding.		
2.	2	Verify weldability of reinforcing bars other than ASTM A706		
	b.	Inspect single-pass fillet welds, maximum 5/16": and		



Required Spectal inspections and resis C P c. Inspect all other welds. Inspection of anchors cast-in concrete. Image: Construction of anchors post-installed in hardened concrete members. Image: Construction of anchors post-installed in hardened concrete members. Image: Construction of anchors post-installed in hardened concrete members. a. Adhesive anchors installed in hardened concrete members. Image: Construction of anchors post-installed in hardened concrete members. a. Adhesive anchors installed in hardened concrete members. Image: Construction of concrets and adhesive anchors. b. All other mechanical anchors and adhesive anchors. Image: Construction of concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. Image: Construction of concrete and shotcrete placement for proper application techniques. Image: Construction of concrete and shotcrete placement for proper application techniques. Image: Construction of prestressed concrete. Image: Construction of prestressing forces. Image: Consete strength, prior to stressing of tendons i		Required Special Inspections and Tests		Check if Required		
c. Inspectial other welds. 3. Inspection of anchors cast-in concrete. 4. Inspection of anchors post-installed in hardened concrete members. a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. b. All other mechanical anchors and adhesive anchors. 5. Verifying use of required design mix. 6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. 7. Inspection of concrete and shotcrete placement for proper application techniques. 8. Inspection of prestressed concrete. 9. Inspection of prestressing forces. b. Grouting of bonded prestressing tendons in the seismic-force-resisting system. 10. Erection of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs. 12. Inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. 2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV. 3. Vertical masonry foundation elements. 4. Indicate masonry construction quality assurance level (1 or 2 or 3) <				Р		
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Masonry Construction – CBC 1705.4 1. Special inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602. Image: Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"C	12.	Inspect formwork for shape, location and dimensions of the concrete member being formed.				
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of TMS 402 and TMS 602.	1.	Special inspection and tests in accordance with the quality assurance program requirements				
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3. Vertical masonry foundation elements. 4. Indicate masonry construction quality assurance level (1 or 2 or 3)	2.	Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV.				
4. Indicate masonry construction quality assurance level (1 or 2 or 3)	3.	Vertical masonry foundation elements.				
	4.	Indicate masonry construction quality assurance level (1 or 2 or 3)				

TABLE 5.19 Modified TMS 602 Tables 3 and 4, Level 2 Quality Assurance

Minimum Verification							
Verification Required ¹				Reference for Criteria			
venication	Level 1	Level 2	Level 3	TMS 602			
1. Prior to construction:							
a. Verification of compliance of submittals.	NR	R	R	Art. 1.5			
b. Verification of f'_m and f'_{AAC} , except where specifically exempted by the code.	NR	R	R	Art. 1.4 B			
2. During construction:							
 a. Verification of slump flow and Visual Stability Index (VSI) when self- consolidating grout is delivered to the project site. 	NR	R	R	Art. 1.5 & 1.6.3			
b. Verification of f'_m and f'_{AAC} for every 5,000 sq. ft.	NR	NR	R	Art. 1.4 B			
 c. Verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout and grout other than self-consolidating grout. 	NR	NR	R	Art. 1.4 B			



Required Special Inspection	ons and	Tests			F	Cneck		
	Special	Incocation		I		C		
Minimum	Eroguopov ² Boforo		Poforono	for Criteria			Peference for Criteria	
Inspection Task		requency	Loval 2	TMC 402		00		
1 As masonny construction begins, verify that th		are in com	Level 3	11013 402	11113 0	02		
a. Proportions of site-prepared mortar	NR	P	P		Art. 2.1, 2.6 A. 2.6	С		
 Grade and size of prestressing tendons and anchorages 	NR	Р	Р		Art. 2.4 B 2.4 H	,		
 c. Grade, type and size of reinforcement, connectors, anchor bolts, and prestressing tendons and anchorages 	NR	Ρ	Ρ		Art. 3.4, 3	6.6 A		
d. Prestressing technique	NR	Р	Р		Art. 3.6 B			
e. Properties of thin-bed mortar for AAC masonry	NR	C ³ /P ⁴	С		Art. 2.1 C			
f. Sample panel construction	NR	Р	С		Art. 1.6 D			
2. Prior to grouting, verify that the following are in	n complian	ce:						
a. Grout space	NR	Ρ	С		Art. 3.2 D 3.2 F	,		
 Placement of prestressing tendons and anchorages 	NR	Ρ	Ρ	Sec. 10.8, 10.9	Art 2.4, 3	6		
c. Placement of reinforcement, connectors and anchor bolts	NR	Ρ	С	Sec. 6.1, 6.3.1, 6.3.6, 6.3.7	Art. 3.2 E	, 3.4		
 Proportions of site-prepared grout and prestressing grout for bonded tendons 	NR	Ρ	Ρ		Art. 2.6 B 2.4 G,1.b	,		
3. Verify during construction:								
a. Materials and procedures with the approved submittals	NR	Ρ	Ρ		Art. 1.5			
 Placement of masonry units and mortar joint construction 	NR	Ρ	Ρ		Art. 3.3 B			
c. Size and location of structural members	NR	Р	Р		Art. 3.3 F			
 d. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction 	NR	Р	с	Sec 1.2.1(e), 6.2.1, 6.3.1	1			
e. Welding of reinforcement	NR	С	С	Sec. 6.1.6.1.2				
 f. Preparation, construction and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F) 	NR	Ρ	Ρ		Art. 1.8 1.8 D	С,		
 Application and measurement of prestressing force 	NR	С	С		Art. 3.6	В		
 Placement of grout and prestressing grout for bonded tendons is in compliance 	NR	С	С		Art. 3.5 3.6 C	,		
i. Placement of AAC masonry units and construction of thin-bed mortar joints	NR	C ³ /P ⁴	С		Art. 3.3 3.3 F.1.	B.9, b		
 Observe preparation of grout specimens, mortar specimens and/or prisms 	NR	Р	С		Art. 1.4 B.2 1.4 B.2 1.4 B.2 1.4 B.3	.a.3, .b.3, .c.3,		

2. Frequency refers to the frequency of inspection, which may be continuous or periodic during the listed task, as defined in the table.

NR = Not Required

P = Periodic

C = Continuous

3. Required for the first 5,000 square feet of AAC masonry.

4. Required after the first 5,000 square feet of AAC masonry.



	Poquirod Spocial Inspections and Tests	Check if	Required
		C	Р
	Wood Construction – CBC 1705.5		
1.	High-load diaphragms.		
2.	Metal-plate-connected wood trusses: Wood truss clear span of 60 feet or greater, bracing per		
0	approved truss package.		
3.	Manufactured trusses and assemblies.		
4.	Structural glued laminated timber.		
5.	Manufactured open web trusses.		
0. 7	Imper connectors.		
1.	Mass umber construction.		
1	Varify materials below shallow foundations are adequate to achieve the design bearing		
1.	capacity.		
2.	Verify excavations are extended to proper depth and have reached proper material.		
3.	Perform classification and testing of compacted fill materials.		
4.	Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.		
5.	Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.		
6.	Soil fill.		
	Driven Deep Foundations – CBC 1705.7		
1.	Verify element materials, sizes and lengths comply with the requirements.		
2.	Determine capacities of test elements and conduct additional load tests, as required.		
3.	Observe driving operations and maintain complete and accurate records for each element.		
4.	Verify 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 any damage to foundation element.		
5.	For steel elements, perform additional inspections in accordance with CBC Section 1705.2.		
6.	For concrete elements and concrete-filled elements, perform additional inspections in accordance with CBC Section 1705.3.		
7.	For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.		
8.	Continuous special inspection shall be performed during installation of helical pile foundations.		
	Cast-In Place Foundations – CBC 1705.8		
1.	Observe drilling operations and maintain complete and accurate records for each element.		
2.	Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata		
_	capacity. Record concrete or grout volumes.		
3.	For concrete elements, perform additional inspections in accordance with Section CBC 1705.3.		
1	Wind Resistance – CBC 1/05.11		
1.	Structural wood.		
	a. Field gluing operations of elements of the main windforce resisting system.	ļ	
	system, including wood shear walls, wood diaphragms, drag structs, braces, and hold-		
_	downs.		
2.	Cold-formed steel light-frame construction:		
	a. vveiding operations of elements of the main windforce-resisting system.		
	b. Screw attachment, boiting, anchoring, and other tastening of elements of the main		
	windiorce-resisting system, including snear walls, praces, diaphragms, collectors (drag structs), and hold-downs		
2	Wind-resisting components:		
5.	a Roof covering roof deck and roof framing connections		
	b Exterior wall covering and wall connections to roof and floor diaphragms and framing		
	Seismic Resistance – CRC 1705 12		
1	Structural steel per CBC 1705.12.1:		
	a. Seismic force-resisting systems inspected according to AISC 341.		



	Required Special Inspections and Tests		Check if	Required
			C	Р
	b.	Structural steel elements other than those covered in (a) including struts, collectors,		
2	Ctr	ustural wood per CPC 1705 12.2:		
Ζ.	31	Eield duing operations of elements of the seismic force resisting system		
	<u>a.</u> h	Nailing bolting anchoring and other fastening of elements of the seismic force-resisting		
	υ.	system including wood shear walls wood diaphragms drag struts braces shear panels		
		and hold-downs.		
3.	Со	Id-formed steel light-frame construction per CBC 1705.12.3:		l
	a.	Welding operations of elements of the seismic force-resisting system.		
	b.	Screw attachment. Bolting, anchoring, and other fastening of elements of the seismic		
		force-resisting system, including shear walls, braces, diaphragms, collectors (drag struts),		
		and hold-downs.		
4.	De	signated seismic systems per CBC 1705.12.4: Verify the label, anchorage, and mounting		
_	cor	nform to the certificate of compliance.		
5.	Arc	chitectural components per CBC Section 1705.12.5.		
6.	Plu	imbing, mechanical, and electrical components per CBC Section 1705.12.6.		
	a.	Anchorage of electrical equipment for emergency and standby power systems.		
	D.	installation and anchorage of piping systems designed to carry hazardous materials and		
		Inell associated mechanical units.		
	<u>с.</u> d	Installation and anchorage of vibration isolation systems where the approved construction		
	u.	documents require nominal clearance of $\frac{1}{2}$ inch or less between the equipment support		
		and restraint.		
-	e.	Installation of mechanical and electrical equipment, including duct work, piping systems		
		and their structural supports, where automatic fire sprinkler systems are installed.		
7.	Sto	prage racks that are 8 feet or greater in height per CBC Section 1705.12.7.		
8.	Se	ismic isolation systems per CBC Section 1705.12.8.		
9.	Со	ld-formed steel special bolted moment frames per CBC Section 1705.12.9.		
		Testing for Seismic Resistance – CBC 1705.13		
1.	Str	uctural steel per CBC 1705.13.1:		
	<u>C.</u>	NDT of structural steel in the seismic force-resisting systems according to AISC 341.		
	d.	NDT of structural steel elements other than those covered in (a) including struts, collectors,		
2	No	chords, and foundation elements according to AISC 341.		
Ζ.	1NO tho	Instructural components per CBC 1705.13.2: Registered design professional shall specify		
	dor	sumenting the requirements shall be submitted to the building official		
3	De	signated seismic systems per CBC 1705 13 3. Registered design professional shall specify		
0.	the	requirements to be met by analysis, testing, or experience data. Certificates of compliance		
	dod	cumenting the requirements shall be submitted to the building official.		
4.	Se	ismic isolation systems per CBC Section 1705.12.8 shall be tested in accordance with		
	Se	ction 17.8 of ASCE 7.		
		Sprayed Fire-Resistant Materials – CBC 1705.14		
1.	The	e special inspections and tests shall include the following to demonstrate compliance with th	ne listing ar	nd the fire-
	res	istance rating:		
	a.	Inspect substrates for accordance with the approved fire-resistance design.		
<u> </u>	D.	Approved manufacturer's written instructions.		
	<u>С.</u>	Verify minimum ampient temperature before and after application.		
<u> </u>	<u>u.</u>	Venily veniliation of area during and after application. Measure average thickness per ASTM E605 and Section 1705 14.4		
	ਦ. f	Verify density of material for conformance with the approved fire resistant design and		
	1.	ASTM F605 and Section 1705 14 5		
<u> </u>	n	Test cohesive/adhesive bond strength per ASTM F736 and Section 1705 14 6		
	h.	Inspect condition of finished application.		
		Mastic and Intumescent Fire-Resistant Coatings – CBC 1705.15		·
1.	Ins	pect mastic and intumescent fire-resistant coatings per CBC 1705.15 and AWCI 12-B.		
		Exterior Insulation and Finish Systems (EIFS) – CBC 1705.16		



Required Special Inspections and Tests		Check if	Check if Required	
		С	Ρ	
1.	Inspect EIFS per CBC 1705.16 and ASTM E250.			
	Fire-Resistant Penetrations and Joints – CBC 1705.17			
1.	Fire-resistant penetrations and joints in high-rise or risk category III or IV buildings per CBC Section 1705.17.			
2.	Penetration firestop systems and/or fire-resistant joint systems per CBC Sections 1705.17.1 & 1705.17.2.			
	Smoke Control Systems – CBC 1705.18			
1.	Smoke control systems per CBC Section 1705.18.			
	Shotcrete – CBC 1705.19			
1.	Shotcrete work per CBC 1705.19:			
	a. Check materials.			
	b. Placing equipment.			
	c. Details of construction and construction procedure.			
	d. Preconstruction and strength tests of shotcrete per CBC Sections 1908.5 and 1908.10.			
2.	Visual examination for structural soundness of in-place shotcrete per CBC Sections 1905.19.1.			
	Sealing of Mass Timber – CBC 1705.20			
1.	Inspection of sealants or adhesives where sealant or adhesive required per CBC Section 703.9 is applied to mass timber building elements as designated in approved construction documents.			

Seismic/Wind Requirements (CBC Section 1705.11-13)

Description of wind resistance and seismic-force-resisting system subject to special inspections as per CBC Section 1705.11-13. Describe the seismic resisting system in the longitudinal and transverse directions.

Special Instructions and/or Structural Observation Required (CBC Section 1704.6)

SPECIAL INSPECTION & TESTING AGREEMENT



COMMUNITY DEVELOPMENT DEPARTMENT • 345 N EL DORADO STREET • STOCKTON, CA 95202 • (209) 937-8561 www.stocktonca.gov/buildinginspection

Prior to issuance of a permit, this form must be completed and approved by the Building Department for projects requiring special inspection in accordance with Chapter 17 of the California Building Code (CBC). Before permit issuance, all parties must sign this agreement. Please note that failure to comply with special inspection requirements could be result in added costs and/or delays in the project.

POOL & POOL EQUIPMENT

Part I – Statement of Special Inspection

Project Na	me: Mckinley Park Renovation Project	t Date:09/26/2022	
Project Ad	dress: 2332 S El Dorado St, Stockton,	, CA Permit Number: BP	
	City Approved Tes	sting/Inspection Agencies	
Agency 1:	City of Stockton- Public Works Dept	Phone Number:	
		Email: ivan.reynoso@stocktonca.gov	

Agency 2: _____

Email:

Phone Number: _____

Part II – Special Inspection and Testing Agreement

Before a permit can be issued: When special inspection is required by CBC Section 1705, the registered design professional shall prepare an inspection program, which shall be submitted, to the Building Official for approval prior to issuance of the building permit. A pre-construction conference with the parties involved may be required to review the special inspection requirements and procedures.

Approval of special inspectors: The special inspection firm(s) named above have been authorized to perform the special inspection and testing services designated in this agreement, and in accordance with the CBC requirements, and to report all activities to the Building Official, and other parties as listed. It is understood that special inspections are required in addition to the normal inspections performed by the Building Inspector. The special inspector shall be employed by the owner (other than owner – builder/developer), the registered design professional, or an agent of the owner, BUT NOT the contractor, or any other person responsible for the work (such as an owner-builder/developer). Special inspectors may have no financial interest in projects for which they provide special inspection. Special inspectors shall be approved by the building department prior to performing any duties. Special inspectors shall submit their qualifications and are subject to personal interviews for prequalification. Special inspector. Only the City approved special inspection agency of record shall sample, transport and test material. Special inspection and testing shall meet the minimum requirements of the CBC Section 1701. The following conditions are also applicable:

A. Duties and Responsibilities of the Special Inspector:

1. Observe work – The special inspector shall observe the work for conformance with the building department approved (stamped) designs drawings and specifications and applicable workmanship provisions of the California Building Code. Architect/Engineer-reviewed shop drawings may be used only as an aid to inspection. Special inspections are to be performed on a continuous basis, meaning that the special inspector is on site in the general area at all times observing the work requiring special inspection. Periodic inspections, if any, must have prior approval based on a separate written plan reviewed and approved by the building department and the architect or engineer of record.

- Report nonconforming items The special inspector shall bring nonconforming items to the immediate attention
 of the contractor and note all such items in the daily report. If any items are not resolved in a timely manner or are
 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 and weekly reports 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 jobsite with the contractor for review by the building inspector. The reports shall include description of daily inspections and tests made with applicable locations, listing of all nonconforming items, report on how nonconforming items were resolved or unresolved as applicable, and itemized changes authorized by the architect, engineer and Building Official if not included in nonconformance items. The daily and weekly reports shall be emailed on a daily and weekly basis to the Building Official (Slreports@stocktonca.gov). Each email subject line shall have the following naming format: Permit Number Address Date
- 4. Furnish final report The special inspector or inspection agency shall submit a final wet stamped and signed report to the Building Official stating that all items requiring special inspection and testing were fulfilled and reported and, to the best of his or her knowledge, in conformance with the approved design drawings, specifications, approved change orders and the applicable workmanship provisions of the CBC. Items not in conformance, unresolved items or any discrepancies in inspection coverage shall be specifically itemized on an addendum to this report. The final report shall be emailed prior to scheduling final building inspection to the Building Official (Slreports@stocktonca.gov) Each email subject line shall have the following naming format: Permit Number Address Date

B. Contractor Responsibilities:

- 1. Notify the special inspector The contractor is responsible for notifying the special inspector regarding individual inspections for items listed on the attached schedule and as noted on the building department approved plans.
- Notify the Building Department The contractor is responsible for notifying the City's Building Department. City approval is required prior to proceeding. General contractor shall notify the Building Department at (209) 937-8561 at least 24 hours in advance for each day special inspection will be conducted listed on the attached schedule and as noted on the Building Department approved plans.
- 3. Provide access to approved plans and retain special inspection records.
- **C. Owner Responsibilities:** The project owner or the engineer or architect of record acting as the owner's agent is responsible for funding special inspection services (ref. CBC Sec. 1701).

D. Designer Responsibilities:

- Complete the Special Inspection & Testing Schedule The engineer or architect of record shall specify special inspection required in the construction documents and list these items on the Special Inspection & Testing Schedule on the plans.
- 2. Respond to field discrepancies The engineer or architect of record shall respond to uncorrected field deficiencies in design, material, or workmanship observed by the special inspector.
- Submit design changes The engineer or architect of record is responsible for any design changes, in addition to acknowledgment and approval of shop drawings which may detail structural information, and for submission of such changes to the Building Official for approval.

E. Building Department Responsibilities:

- 1. Approve special inspection The building department shall approve all special inspectors and special inspection requirements.
- 2. Enforce special inspection Work requiring special inspection and the performance of special inspection shall be monitored by the building inspector. Building Department approval must be obtained prior to placement of concrete, covering of structural steel, or other similar activities in addition to that of the special inspector.
- Issue Certificate of Occupancy The Building Official may issue a Temporary Certificate of Occupancy or a Certificate of Final Completion and Occupancy after all special inspection reports and the final compliance report have been submitted and accepted.

Acknowledgements

The undersigned hereby affirm, under penalty of law that the special inspection program is in accordance with the requirements of the CBC and the City of Stockton. The undersigned has used all reasonable diligence in completing this form and to the best of his/her knowledge the information contained herein is true and complete. The undersigned hereby certifies under the penalty of perjury under the laws of the State of California that the foregoing is true and correct.

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

Registered Design Professional in Responsible Charge:

Name:		License Number:	
Special Inspection/Testing	g Agency Engineer:		
Signature:		Date:	
Phone Number:	Email Address:		
Name:		License Number:	
General Contractor:			
Signature:	Bran	Date: 9/26/2022	
209-937-7390	ivan.reynoso@stock	tonca.gov	
Phone Number:	Email Address:		
Name: Ivan Reynoso			
Owner's Authorization:			
Signature:		Date: 9/28/22	
760 - 438 - 840) gferrel Baguatre	lesign group.com	
Phone Number:	Email Address:		
GREG FERREL	L	C-35802	
Name:		License Number:	

To be determined, Pul	olic works will hire a consultant		
Phone Number:	Email Address:		
Signature:		Date:	

Building Department's Acceptance:

Name:	Title:
Signature:	Date:

Part III – Special Inspection and Testing Schedule

The schedule below shall be completed by the Engineer-of-Record for the project. The inspections listed are in accordance with Chapter 17 of the California Building Code, refer to Chapter 17 for more detailed requirements. Refer to the **City Approved** drawings and/or project specifications for additional inspections, tests, or requirements.

Indicate in the table below which inspections are required for this project. Check the appropriate box to denote either continuous (C) or periodic (P) inspection required.

	Poquired Special Inspections and Tests		Check if Required		
		Required Special Inspections and Tests	С	Р	
	Nº Y	Steel Construction – CBC 1705.2			
1.	Ma	aterial verification of high-strength bolts, nuts, and washers.			
	a.	Identification markings to conform to ASTM standards specified in the approved construction documents.	Set.		
	b.	Manufacturer's certificate of compliance required.			
2.	Ins	spection of high-strength bolting:			
	a.	Snug-tight joints.			
	b.	Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt or direct tension indicator methods of installation.			
	C.	Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated wrench methods of installation.			
3.	Ma	aterial verification of cold-formed steel deck:			
	а.	For structural steel, identification markings to conform to AISC			
	b.	For other steel, identification markings to conform to ASTM standards specified in the approved construction documents.			
	С	Manufacturer's certified test reports.			
4	Ins	spection of welding (shop or field):			
	a.	Structural steel and cold-formed steel deck:		ala filling state	
		1) Complete and partial joint penetration groove welds.			
		2) Multipass fillet welds.		the state of the	
		3) Single-pass fillet welds > 5/16"			
		4) Plug and slot welds.			
		 Single-pass fillet welds ≤ 5/16" 	S. M. S. LEWIS		
	_	6) Floor and roof deck welds.			
	b.	Reinforcing steel:			
		1) Verification of weldability of reinforcing steel other than ASTM A 706.	网络拉拉南的美		
		 Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement. 			
		3) Shear reinforcement.		1.1.51下载	
		4) Other reinforcing steel.		X	
5.	Ins	pection of steel frame joint details for compliance with approved construction documents:			
	а.	Details such as bracing and stiffening.			
	b.	Member Locations.	の認識ない		
	C.	Application of joint details at each location.			
6.	Ins	tallation of open-web steel joists and joist girders.			
	а.	End connections – welding or bolted.			
	b.	Bridging – horizontal or diagonal.	and the state of the		
		1) Standard bridging.			
		Bridging that differs from the SJI specifications listed in Section 2207.1			
7.	Со	Id-formed steel trusses spanning 60 feet or greater, temporary and permanent bracing per			
	ар	proved truss package.			
		Concrete Construction – CBC 1705.3			
1.	Ins	pect reinforcement, including prestressing tendons, and verify placement.			
2.	Re	inforcing bar welding:			
	a.	Verify weldability of reinforcing bars other than ASTM A706;			
	b.	Inspect single-pass fillet welds, maximum 5/16"; and			



Required Special Inspections and Tests		Check if	Required
		С	Р
	c. Inspect all other welds.		
3.	Inspection of anchors cast-in concrete.		X
4.	Inspection of anchors post-installed in hardened concrete members.		
	 Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads 		
	b. All other mechanical anchors and adhesive anchors.		
5.	Verifying use of required design mix.		X
6.	Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	
7.	Inspection of concrete and shotcrete placement for proper application techniques.	X	Line States
8.	Inspection for maintenance of specified curing temperature and techniques.		
9.	Inspection of prestressed concrete.		
	a. Application of prestressing forces.		Set 2 4 1 4
	b. Grouting of bonded prestressing tendons in the seismic-force-resisting system.		
10.	Erection of precast concrete members.	115 AP	
11.	Verification of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs.		
12.	Inspect formwork for shape, location and dimensions of the concrete member being formed.		
12,40	Masonry Construction – CBC 1705.4		
1.	Special inspection and tests in accordance with the quality assurance program requirements of TMS 402 and TMS 602.		
2.	Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV.		
3.	Vertical masonry foundation elements.		
4.	Indicate masonry construction quality assurance level (1 or 2 or 3)		

TABLE 5.19 Modified TMS 602 Tables 3 and 4, Level 2 Quality Assurance

Verification	Required ¹		Reference for Criteria	
verification		Level 2	Level 3	TMS 602
. Prior to construction:	•			
a. Verification of compliance of submittals.	NR	R	R	Art. 1.5
b. Verification of f'_m and f'_{AAC} , except where specifically exempted by the code.	NR	R	R	Art. 1.4 B
2. During construction:				
 Verification of slump flow and Visual Stability Index (VSI) when self- consolidating grout is delivered to the project site. 	NR	R	R	Art. 1.5 & 1.6.3
b. Verification of f'_m and f'_{AAC} for every 5,000 sq. ft.	NR	NR	R	Art. 1.4 B
c. Verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout and grout other than self-consolidating grout.	NR	NR	R	Art. 1.4 B



Required Special Inspect	ions and	lests				С
Minimun	n Special	Inspectio	n			
Inspection Task	F	requency	/ ²	Reference for Criteria		ria
mapection reak	Level 1	Level 2	Level 3	TMS 402	TMS 60	2
1. As masonry construction begins, verify that the	ne following	are in com	pliance:			
a. Proportions of site-prepared mortar	NR	Р	Р		Art. 2.1, 2.6 A, 2.6	с
b. Grade and size of prestressing tendons and anchorages	NR	Р	Р		Art. 2.4 B, 2.4 H	
 Grade, type and size of reinforcement, connectors, anchor bolts, and prestressing tendons and anchorages 	NR	P	P		Art. 3.4, 3.	6 A
d. Prestressing technique	NR	Р	P		Art. 3.6 B	
e. Properties of thin-bed mortar for AAC masonry	NR	C ³ /P ⁴	с		Art. 2.1 C	
f. Sample panel construction	NR	P	C		Art. 1.6 D	
2. Prior to grouting, verify that the following are	in complian	ice:		1		
a. Grout space	NR	Р	с		Art. 3.2 D, 3.2 F	
 Placement of prestressing tendons and anchorages 	NR	Р	Р	Sec. 10.8, 10.9	Art 2.4, 3.6	6
c. Placement of reinforcement, connectors and anchor bolts	NR	Ρ	с	Sec. 6.1, 6.3.1, 6.3.6, 6.3.7	Art. 3.2 E,	3.4
 Proportions of site-prepared grout and prestressing grout for bonded tendons 	NR	P	Р		Art. 2.6 B, 2.4 G,1.b	
3. Verify during construction:						
a. Materials and procedures with the approved submittals	NR	Р	Р		Art. 1.5	
 b. Placement of masonry units and mortar joint construction 	NR	P	P		Art. 3.3 B	
c. Size and location of structural members	NR	Р	P		Art. 3.3 F	
 Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction 	NR	Р	с	Sec 1.2.1(e), 6.2.1, 6.3.1	1	
e. Welding of reinforcement	NR	С	с	Sec. 6.1.6.1.2		
 f. Preparation, construction and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F) 	NR	Р	P		Art. 1.8 (1.8 D	С,
 Application and measurement of prestressing force 	NR	с	с		Art. 3.6 E	3
 Placement of grout and prestressing grout for bonded tendons is in compliance 	NR	С	с		Art. 3.5, 3.6 C	
i. Placement of AAC masonry units and construction of thin-bed mortar joints	NR	C3/P4	С		Art. 3.3 E 3.3 F.1.b	3.9,
 Observe preparation of grout specimens, mortar specimens and/or prisms 	NR	Ρ	С		Art. 1.4 B.2.a 1.4 B.2.b 1.4 B.2.c 1.4 B.3, 1.4 B.4	1.3, 0.3, 2.3,
 R = Required, NR = Not Required Frequency refers to the frequency of inspection. V in the table. NR = Not Required 	which may b	e continuous	or periodic	during the liste	d task, as def	ined

3. Required for the first 5,000 square feet of AAC masonry.

4. Required after the first 5.000 square feet of AAC masonry.



			Required
	Required Special Inspections and Tests	С	Ρ
1.22	Wood Construction – CBC 1705.5	1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	
1.	High-load diaphragms.		
2.	Metal-plate-connected wood trusses: Wood truss clear span of 60 feet or greater, bracing per approved truss package.		
3.	Manufactured trusses and assemblies.	Succional States	
4.	Structural glued laminated timber.	STATISTICS.	
5.	Manufactured open web trusses.		
6.	Timber connectors.		
7.	Mass timber construction.		
5 de la	Soils – CBC 1705.6	August Harry	
1.	Verify materials below shallow foundations are adequate to achieve the design bearing capacity.		
2.	Verify excavations are extended to proper depth and have reached proper material.		X
3.	Perform classification and testing of compacted fill materials.	1.	X
4.	Verify use of proper materials, densities and lift thicknesses during placement and compaction	V	
5	of compacted fill.	×	
5.	properly.		X
6.	Soil fill.		
	Driven Deep Foundations – CBC 1705.7		12.25.54.52
1.	Verify element materials, sizes and lengths comply with the requirements.		
2.	Determine capacities of test elements and conduct additional load tests, as required.		
3.	Observe driving operations and maintain complete and accurate records for each element.		
4.	Verify 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 any damage to foundation element.		
5.	For steel elements, perform additional inspections in accordance with CBC Section 1705.2.		
6.	For concrete elements and concrete-filled elements, perform additional inspections in accordance with CBC Section 1705.3.		
7.	For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.		
8.	Continuous special inspection shall be performed during installation of helical pile foundations.		States in
	Cast-In Place Foundations – CBC 1705.8		
1.	Observe drilling operations and maintain complete and accurate records for each element.		1.550.25
2.	Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata capacity. Record concrete or grout volumes.		
3.	For concrete elements, perform additional inspections in accordance with Section CBC 1705.3.		
dF	Wind Resistance – CBC 1705.11		
1.	Structural wood:		
	a. Field gluing operations of elements of the main windforce-resisting system.		
	b. Nailing, bolting, anchoring, and other fastening of elements of the min windforce-resisting system, including wood shear walls, wood diaphragms, drag structs, braces, and hold-downs.		
2.	Cold-formed steel light-frame construction:		
	a. Welding operations of elements of the main windforce-resisting system.		
	 Screw attachment, bolting, anchoring, and other fastening of elements of the main windforce-resisting system, including shear walls, braces, diaphragms, collectors (drag structs), and hold-downs. 		
3.	Wind-resisting components:		
	a. Roof covering, roof deck, and roof framing connections.		
	b. Exterior wall covering and wall connections to roof and floor diaphragms and framing.		
	Seismic Resistance – CBC 1705.12	10.3 6 20 10	
1.	Structural steel per CBC 1705.12.1:		
	a. Seismic force-resisting systems inspected according to AISC 341.		



		Perwired Special Inspections and Tests	Check if	Required
]		Required Special inspections and Tests	С	Р
	b.	Structural steel elements other than those covered in (a) including struts, collectors,		
1		chords, and foundation elements inspected according to AISC 341.		
2.	Str	uctural wood per CBC 1705.12.2:		
	а.	Field gluing operations of elements of the seismic force-resisting system.		
-	b.	Nailing, bolting, anchoring, and other fastening of elements of the seismic force-resisting		
		system, including wood shear walls, wood diaphragms, drag struts, braces, shear panels,		
		and hold-downs.	Ste Smith	
3.	Со	Id-formed steel light-frame construction per CBC 1705.12.3:		
	a.	Welding operations of elements of the seismic force-resisting system.		
	b.	Screw attachment. Bolting, anchoring, and other fastening of elements of the seismic		
		force-resisting system, including shear walls, braces, diaphragms, collectors (drag struts),		
		and hold-downs.		
4.	De	signated seismic systems per CBC 1705.12.4: Verify the label, anchorage, and mounting		
	COI	nform to the certificate of compliance.		
5.	Arc	chitectural components per CBC Section 1705.12.5.	時の気が重要	
6.	Plu	mbing, mechanical, and electrical components per CBC Section 1705.12.6.		
	а.	Anchorage of electrical equipment for emergency and standby power systems.		
	b.	Installation and anchorage of piping systems designed to carry hazardous materials and		
		their associated mechanical units.		
	C.	Installation and anchorage of ductwork designed to carry hazardous materials.		
	d.	Installation and anchorage of vibration isolation systems where the approved construction		
		documents require nominal clearance of 1/4 inch or less between the equipment support		
		and restraint.	and the star	
	е.	Installation of mechanical and electrical equipment, including duct work, piping systems	ETC.	
		and their structural supports, where automatic fire sprinkler systems are installed.		
7.	Sto	rage racks that are 8 feet or greater in height per CBC Section 1705.12.7.		
8.	Se	smic isolation systems per CBC Section 1705.12.8.		
9.	Со	Id-formed steel special bolted moment frames per CBC Section 1705.12.9.		
72	14	Testing for Seismic Resistance – CBC 1705.13		
1.	Str	uctural steel per CBC 1705.13.1:		
	C.	NDT of structural steel in the seismic force-resisting systems according to AISC 341.		
	d.	NDT of structural steel elements other than those covered in (a) including struts, collectors,		
		chords, and foundation elements according to AISC 341.		
2.	No	nstructural components per CBC 1705.13.2: Registered design professional shall specify	and the state	
	the	requirements to be met by analysis, testing, or experience data. Certificates of compliance		
	doo	cumenting the requirements shall be submitted to the building official.		
3.	De	signated seismic systems per CBC 1705.13.3. Registered design professional shall specify		
	the	requirements to be met by analysis, testing, or experience data. Certificates of compliance	and the second	
	dog	cumenting the requirements shall be submitted to the building official.		
4.	Se	smic isolation systems per CBC Section 1705.12.8 shall be tested in accordance with	and the state of the	
	Se	CIION 17.8 OF ASCE 7.		
4	Th	Sprayed Fire-Resistant Materials - UBU 1/UD.14	o listing on	d the fire
1.		e special inspections and tests snall include the following to demonstrate compliance with th	e iisung an	
	res	Islance raining.	A CONTRACTOR OF THE	
	<u>d</u> .	Approved manufacturer's written instructions		
	D.	Approved manufacturer's written instructions.		
	<u>C.</u>	Verify minimum amplent temperature before and after application.		
	<u>a.</u>	Verily venuation of area during and after application.		
	<u>e</u> .	Weasure average inickness per ASTW EOUS and Section 1705.14.4.		
	T.	verily density of material for conformance with the approved fire-resistant design and		
		AS IN EOUS and Section 1705.14.5.		
	<u>g</u> .	Test conesive/adnesive bond strength per ASTM E/30 and Section 1/05.14.6.		
T. MARK	n.	Inspect condition of Infished application. Mastie and Intumoceant Fire Desistant Costings CBC 1705 15		ATTEN Y COLLEGE
4	le-	mastic and intumescent Fire-Resistant Coalings - CDC 1705.15		at the second
1.	ins	Evention Incurrence and Event interreststant coatings per ODC 1705.15 and Avior 12-D.		



	Required Special Inspections and Tests	Check if Required	
		С	Р
1.	Inspect EIFS per CBC 1705.16 and ASTM E250.		
Fire-Resistant Penetrations and Joints – CBC 1705.17			
1.	Fire-resistant penetrations and joints in high-rise or risk category III or IV buildings per CBC Section 1705.17.		
2.	Penetration firestop systems and/or fire-resistant joint systems per CBC Sections 1705.17.1 & 1705.17.2.		
Smoke Control Systems – CBC 1705.18			
1.	Smoke control systems per CBC Section 1705.18.		
Shotcrete – CBC 1705.19			
1.	Shotcrete work per CBC 1705.19:		
	a. Check materials.	X	
	b. Placing equipment.	×	
	c. Details of construction and construction procedure.	X	
	d. Preconstruction and strength tests of shotcrete per CBC Sections 1908.5 and 1908.10.	X	1.1.1.1.1.1
2.	Visual examination for structural soundness of in-place shotcrete per CBC Sections 1905.19.1.	X	A Carley
Sealing of Mass Timber – CBC 1705.20			
1.	Inspection of sealants or adhesives where sealant or adhesive required per CBC Section 703.9 is applied to mass timber building elements as designated in approved construction documents.		

Seismic/Wind Requirements (CBC Section 1705.11-13)

Description of wind resistance and seismic-force-resisting system subject to special inspections as per CBC Section 1705.11-13. Describe the seismic resisting system in the longitudinal and transverse directions.

Special Instructions and/or Structural Observation Required (CBC Section 1704.6)