

# STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS 2012 INTERNATIONAL BUILDING CODE

## STATEMENT OF SPECIAL INSPECTIONS NOTES:

This Statement of Special Inspections is submitted in accordance with Section 1704 of the 2012 International Building Code (referenced hereinafter as Code). It includes a Schedule of Special Inspection Services applicable to the Project. If applicable, it includes Requirements for Seismic Resistance and/or Requirements for Wind Resistance.

The Owner shall employ one or more qualified Special Inspectors to perform this work. The Special Inspector(s) shall keep records of all inspections and shall furnish interim inspection reports to the Building Official and to the Registered Design Professional in Responsible Charge. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge prior to completion of that phase of work. A Final Report of Special Inspections documenting required special inspections and corrections of any discrepancies noted in the inspections, shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge at the conclusion of the project.

The Special Inspection program does not relieve the Contractor of responsibility to comply with the Contract Documents. Jobsite safety and means and methods of construction are solely the responsibility of the Contractor.

See specifications for additional testing requirements. Where conflicts occur, the most stringent requirement shall control.

## INSPECTION OF FABRICATORS:

Where fabrication of structural load-bearing members and assemblies is being performed on the premises of a fabricator's shop, special inspection of the fabricated items shall be required by Section 1704.2 and as required elsewhere in the Code.

## INSPECTION OF WELDING:

Welding inspection shall be in compliance with AWS D1.1. The basis for welding inspector qualification shall be AWS D1.1.

## INSPECTION OF STRUCTURAL STEEL:

Special inspection of structural steel shall be in accordance with the quality assurance inspection requirements of AISC 360.

## INSPECTION OF STRUCTURAL MASONRY:

Structural masonry construction shall be inspected and verified in accordance with TMS 402/ACI 530/ASCE 5 and TMS 602/ACI 530.1/ASCE 6 Level B Quality Assurance Program requirements.

SCHEDULE OF SPECIAL INSPECTION SERVICES TABLE 1705.2.2- REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL			
CHECK IF REQD	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
	1. Material verification of cold-formed steel deck:		
<input checked="" type="checkbox"/>	a. Identification markings to conform to ASTM standards specified in the approved construction documents.	---	X
<input checked="" type="checkbox"/>	b. Manufacturer's certified test reports.	---	X
	2. Inspection of welding:		
	a. Cold-formed steel deck:		
<input checked="" type="checkbox"/>	1) Floor and roof deck welds.	---	X
	b. Reinforcing steel:		
<input checked="" type="checkbox"/>	1) Verification of weldability of reinforcing steel other than ASTM A706.	---	X
<input type="checkbox"/>	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.	X	---
<input type="checkbox"/>	3) Shear reinforcement.	X	---
<input type="checkbox"/>	4) Other reinforcing steel.	---	X

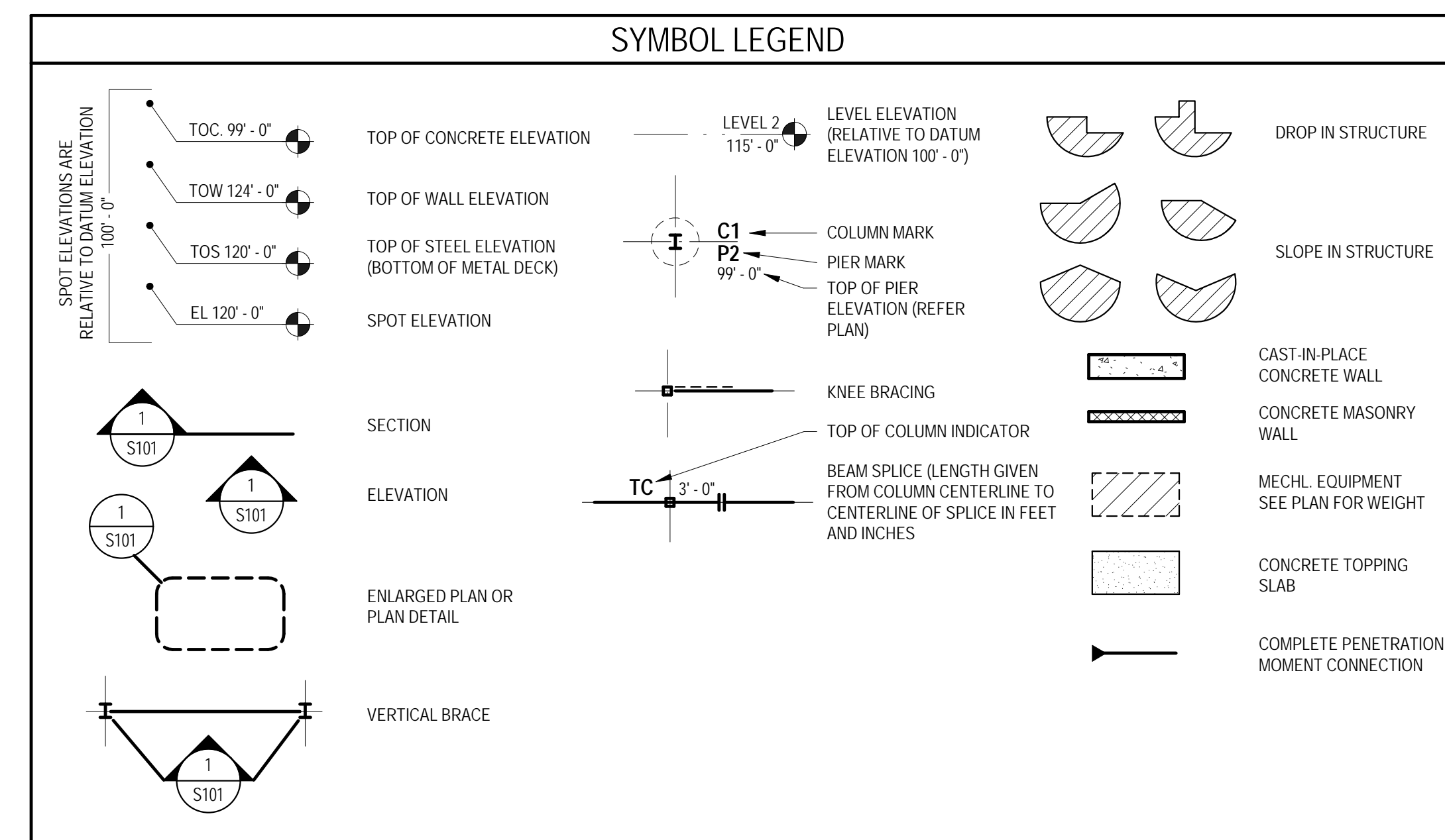
SCHEDULE OF SPECIAL INSPECTION SERVICES TABLE 1705.3- REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION			
CHECK IF REQD	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
<input checked="" type="checkbox"/>	1. Inspection of reinforcing steel, including prestressing tendons, and placement.	---	X
<input type="checkbox"/>	2. Inspection of reinforcing steel welding in accordance with Table 1705.2.2, Item 2b.	---	---
<input checked="" type="checkbox"/>	3. Inspection of anchors cast in concrete.	---	X
<input checked="" type="checkbox"/>	4. Inspection of anchors post-installed in hardened concrete members.	---	X
<input checked="" type="checkbox"/>	5. Verifying use of required design mix.	---	X
<input checked="" type="checkbox"/>	6. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	---
<input checked="" type="checkbox"/>	7. Inspection of concrete and shotcrete placement for proper application techniques.	X	---
<input checked="" type="checkbox"/>	8. Inspection for maintenance of specified curing temperature and techniques.	---	X
<input checked="" type="checkbox"/>	9. Inspection of prestressed concrete:		
	a. Application of prestressing forces.	X	---
	b. Grouting of bonded prestressing tendons in the seismic force-resisting system.	X	---
<input type="checkbox"/>	10. Erection of precast concrete members.	---	X
<input checked="" type="checkbox"/>	11. Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	---	X
<input checked="" type="checkbox"/>	12. Inspect formwork for shape, location, and dimensions of the concrete member being formed.	---	X

SCHEDULE OF SPECIAL INSPECTION SERVICES TABLE 1705.6- REQUIRED VERIFICATION AND INSPECTION OF SOILS			
CHECK IF REQD	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
<input checked="" type="checkbox"/>	1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	---	X
<input checked="" type="checkbox"/>	2. Verify excavations are extended to proper depth and have reached proper material.	---	X
<input checked="" type="checkbox"/>	3. Perform classification and testing of compacted fill materials.	---	X
<input checked="" type="checkbox"/>	4. Verify use of proper materials, densities, and lift thicknesses during placement and compaction of controlled fill.	X	---
<input checked="" type="checkbox"/>	5. Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly.	---	X

SCHEDULE OF SPECIAL INSPECTION SERVICES TABLE 1705.8- REQUIRED VERIFICATION AND INSPECTION OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS			
CHECK IF REQD	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
<input checked="" type="checkbox"/>	1. Observe drilling operations and maintain complete and accurate records for each element.	X	---
<input checked="" type="checkbox"/>	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.	X	---
<input type="checkbox"/>	3. For concrete elements, perform additional inspections in accordance with Table 1705.3.	---	---

AB	Anchor Bolt	LBF	Pound-Force
ADDL	Additional	LLBB	Long Leg Back-to-Back
ADJ	Adjacent	LLH	Long Leg Horizontal
AESS	Architectural Exposed Structural Steel	LLV	Long Leg Vertical
AFF	Above Finished Floor	LSH	Long Side Horizontal
AGGR	Aggregate	LSV	Long Side Vertical
ALT	Alternate	LT	Lift
ARCH	Architectural	M	Moment
BL	Building Line	MATL	Material
BL	Brick Ledge	MAX	Maximum
BLDG	Building	MECH	Mechanical
BLK	Block	MEP	Mech/Elec/Plumbing
BM	Beam	MFR	Manufacturer
BOT, B	Bottom	MIN	Minimum
BRG	Bearing	MK	Mark
BWTN	Between	MTL	Metal
C	Channel	NIC	Not in Contract
CFMF	Cold-Formed Metal Framing	NO	Number
CGS	Center of Gravity of Steel	NS	Near Side
CIP	Cast-in-Place	NSG	Non-Shrink Grout
CJ	Construction Joint	NTS	Not to Scale
CL	Center Line	ON	On Center
CMU	Concrete Masonry	OF	Outside Face
COL	Column	OP HD	Opposite Hand
COMP	Compression	OPNG	Opening
CONC	Concrete	P	Plan (Form)
CONN	Connection	P-T	Post-Tensioning
CONSTR	Construction	PCC	Precast Concrete
CONT	Continuous	PEN	Penetration
COORD	Coordinate	PI	Plasticity Index
CTR	Center	PIL	Pilaster
db	Bar Diameter(s)	PL	Plate
DBA	Deformed Bar Anchor	PNL	Panel
DEG	Degree(s)	PSF	Pounds Per Square Foot
DEL	Detail	PSI	Pounds Per Square Inch
dia or Ø	Diameter	PT	Pint
DIM	Dimension	R	Radius
DWG	Drawing	RECT	Rectangle(ular)
DWL	Dowel	REF	Refer (to)
EA	Each	REIN	Reinforcing
EF	Each Face	REDD	Required
EJ	Expansion Joint	RT	Right
EL	Elevation	SC	Slip-Critical
ELEV	Elevator	SCHED	Schedule
ENGR	Engineer	SECT	Section
EQ	Equal	SHT	Sheet
EW	Each Way	SM	Similar
EXP BT	Expansion Bolt	SOG	Slab-on-Grade
EXST	Existing	SPA	Space(ing)
EXT	Exterior	SQ	Square
F	Force (Axial)	ST	String(s)
FABR	Fabricator	STD	Standard
FDTN	Foundation	STIF	Stiffener
FIN	Finish	STL	Steel
FIN FLR, FF	Finish Floor	STRUCT	Structure(ural)
FLR	Floor	SUPPT	Support
FS	Far Side	SYMM	Symmetrical
FV	Field Verify	T	Tension
GC	General Contractor	T&B	Top and Bottom
GN	General Notes	TEMP	Temperature
GR	Grade	TOC	Top of Concrete
GR BM	Grade Beam	TOF	Top of Footing
HORIZ, H	Horizontal	TOJ	Top of Joist
HSA	Headed Stud Anchor	TOP	Top of Pier
HSS	Hollow Structural Section	TOS	Top of Slab
HT	Height	TOW	Top of Wall
IF	Inside Face	TYP	Typical
INFO	Information	ULT	Ultimate (force)
INT	Interior	UNO	Unless Noted Otherwise
INTERM	Intermediate	V	Shear
JST	Joist	VERT, V	Vertical
JT	Joint	WD	Wood
K	Kip (1,000 pounds)	WP	Working or Work Point
K-FT	Kip-Foot (Moment)		

## STANDARD ABBREVIATIONS



## REVISIONS

REVISIONS DENOTED BY:



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PROJECT #: 16032-00 MANAGER: PFE  
ISSUED FOR: 100% CD DRAFTER: PFE  
DATE: NOVEMBER 30, 2017 CHECKED: PFE

STATEMENT OF SPECIAL  
INSPECTIONS

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OF SHEETS