



CITY OF [NAME OF CITY]
 Department of [NAME OF DEPARTMENT]
 [NAME OF DIVISION OR BUREAU]
**Supplemental Structural Correction Sheet for
 ASCE 7-10**



INFORMATION	PLAN CHECK NO.:	EXPIRATION DATE:	STATUS:
	PROJECT ADDRESS:		
	WORK DESCRIPTION:		
	APPLICANT'S NAME:	TEL. NO.:	
	ADDRESS:	EMAIL:	
INSTRUCTIONS	<p>Your application for a permit, together with plans and specifications, has been examined and you are advised that the issuance of a permit is withheld for the reasons hereinafter set forth. The approval of plans and specifications does not permit the violation of any sections of the Building Code or other local ordinances or state laws.</p> <p>In an effort to streamline the plan review process, please follow the steps outlined below to ensure that there is no delay in processing your application and reviewing your responses to these plan check comments.</p> <ul style="list-style-type: none"> • Comments with circled item numbers apply to this plan check. • Revised plans and calculations shall incorporate or address all comments marked on the original checked set of plans, calculations, and this plan review checklist. Provide a written response to each comment and show where and how it has been addressed. Identify the sheet number and detail or reference note on the revised plans where the corrections are made. Time spent searching for the corrected items on the revised plans or calculations will delay the review and approval process. Once all comments on the plans, calculations, and this checklist have been addressed, contact the plan check staff to schedule an appointment to review the changes made. <p>PLAN REVIEWER: _____ TEL. NO.: _____</p> <p>ADDRESS: _____</p> <p>EMAIL: _____ WEBSITE: _____</p> <p>Should you have any questions or need clarification pertaining to the comments made on your project, you may contact the plan check staff by telephone from _____ to _____ M T W TH F.</p> <ul style="list-style-type: none"> • Bring the original checked set of plans and calculations along with this checklist to the meeting. Do not schedule an appointment meeting with the plan check staff until all comments have been addressed. • Incomplete, indefinite or faded drawings or calculations will not be accepted. 		
	<p>NOTE</p> <p>Numbers within the parenthesis () refer to the section of the applicable code. 2010 Edition of the ASCE 7. Table (T). Los Angeles Regional Uniform Code Program (LARUCP).</p>		

I. GENERAL

1. Identify and list on plans the applicable risk categories and importance factors (Section 1.5.1)
2. Plans to contact complete load paths, connections at supports, and wall anchorage (Section 1.4)

II. DESIGN LOADS AND LOAD COMBINATION

1. Use appropriate strength design (Section 2.3.2) or allowable stress design (Section 2.4.1) load combinations
2. Use appropriate lateral soil load and hydrostatic pressure (Section 3.2)
3. Use appropriate and list on plans distributed live loads (Section 4.3.1)
4. Use appropriate interior uniform pressure partition loading (Section 4.3.2)
5. Use appropriate point loads (Section 4.5)
6. Use appropriate live load reduction (Section 4.7 and 4.8)
7. Verify snow loads on flat roofs (Section 7.3) and sloped roofs (Section 7.4), or account for snow drift (Section 7.7)
8. Roof with slope less $\frac{1}{4}$ " per roof, shall be checked for additional ponding roof load (Section 8.4)

III. SEISMIC DESIGN PARAMETERS

1. Obtain and list on plans site-specific mapped acceleration parameters, S_D , S_1 , site coefficients, F_a , F_v , design spectral acceleration parameters, S_{DS} , S_{D1} , and site class (Section 11.4)
2. Identify and list on plans the seismic design category, SDC (Section 11.5)

IV. SEISMIC FORCE RESISTING SYSTEM AND DESIGN PARAMETERS

1. Identify and list on plans all applicable seismic force-resisting systems used and respective values of the response modification coefficient, R , overstrength factor, Ω_o , deflection amplification factor, C_d , and check allowable height restrictions (Section 12.2.1)
2. If multiple seismic force-resisting systems are used, properly use in vertical combination (Section 12.2.3.1), two stage analysis (Section 12.2.3.2), and horizontal combination (Section 12.2.3.3)
3. Dual systems shall comply with Section 12.2.5.1
4. Cantilever column systems shall comply with Section 12.2.5.2
5. Special moment frames in seismic design categories D through F shall comply with Section 12.2.5.5
6. Steel ordinary moment frames in seismic design categories D through F shall comply with Section 12.2.5.6
7. Steel intermediate moment frames in seismic design categories D through F shall comply with Section 12.2.5.7

V. OTHER SEISMIC DESIGN REQUIREMENTS

1. Determine diaphragm flexibility (Section 12.3.1)
2. Identify all applicable horizontal (Table 12.3-1) and vertical (Table 12.3-2) Irregularities
3. Determine and list on plans the redundancy factor, ρ (Section 12.3.4)
4. Use the vertical seismic loading (Section 12.4.2.2) and seismic loading combinations (Section 12.4.2.3)
5. Use the seismic overstrength factor, where applicable (Section 12.4.3)
6. Select and list on plans an appropriate Analysis Procedure (Section 12.6)
7. If using the equivalent lateral force procedure, compute the seismic base shear per Section 12.8.1
8. Vertically distribute the seismic forces (Section 12.8.3)

9. Horizontal distribution of forces (Section 12.8.4), accidental torsion (12.8.4.20 and amplification of torsional moment (12.8.4.3)
10. Comply with the story drift limitations (Section 12.8.6) and P-delta effects (12.8.7)
11. Provide diaphragm chords and collectors (Section 12.10)
12. Computed story drift shall not exceed the allowable story drift per Section 12.12.1
13. If using the modal response spectrum analysis comply with Section 12.8
14. Design for out-of-pane forces for structural walls (Section 12.11.1), anchorage (Section 12.11.2), and transfer to diaphragm in SDC C through F (Section 12.11.2.2)
15. Provide structural separations per Section 12.12.3
16. Foundations shall be designed per Section 12.1

VI. NONSTRUCTURAL COMPONENTS

1. Seismic demands on nonstructural components shall be determined per Section 13.3.1
2. Anchorage to concrete or masonry shall comply with Section 13.4.1
3. Architectural components to comply with Section 13.5
4. Mechanical and electrical Components to comply with Section 13.6
5. Concrete or masonry fence over xx feet to comply with Sec. 15.4.2

VII. WIND DESIGN CRITERIA

1. Identify roof slope and building height
2. Identify and list on plans:
 - a. the basic wind speed, V (Figure 26.5A, B and C)
 - b. wind directionality factor, K_d (Section 26.6)
 - c. exposure category (Section 26.7),
 - d. topographic factor, K_{zt} (Section 26.8)
 - e. gust effect factor, G (Section 26.9)
 - f. enclosure classification (Section 26.10)
 - g. the internal pressure coefficient, GC_p (Section 26.11)

VIII. WIND DESIGN PROCEDURE

1. For main wind-force resisting systems, MWFRS, follow Chapter 27 for the direct procedure for building of all heights or Chapter 28 for the envelope procedure of low rise buildings
2. Follow Chapter 29 for the directional procedure of building appurtenance (including roof overhangs and parapets) and other structures
3. For components and cladding, C&C, follow Chapter 30 for the envelope procedure, directional procedure, and building appurtenance
4. For any building or other structures using wind tunnel testing procedures, comply with requirements under Chapter 31

Comment

No.	ADDITIONAL WRITTEN COMMENTS	Code Sec. No.

