



PUBLIC PROPOSAL FORM

FOR PUBLIC PROPOSALS ON THE ICC CODES AND STANDARDS

(PLEASE SEE SUBMITTAL RULES OF PROCEDURES - ALL SUBMITTALS MUST BE IN COMPLIANCE WITH THESE PROCEDURES)

CLOSING DATE: All Proposals Must Be Received by the Announced Closing Date.

- 1) Indicate the format in which you would like to receive your Report of the Public Hearing (PRH), or Public Proposals Report (PPR):
 paper electronic download.
(Note: A paper copy will not be sent to you if you have chosen to download the RPH or PPR from the ICC Web Site.)
- 2) **PLEASE TYPE OR PRINT CLEARLY: FORMS WILL BE RETURNED if they contain unreadable information.**

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Jurisdiction/Company:					
Submitted on Behalf of:	NCSEA Seismic Committee				
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- 3) ***Signature:** _____
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- 4) Indicate appropriate ICC Code associated with this Public Proposal – Please use Acronym: IBC _____
 (See instructions for list of Names and Acronyms for the I-Codes & I-Standards):
- 5) **Revision to:** Section 1620.3.1 Table _____ Figure _____
- 6) **PROPOSAL - Revise as follows (check One BOX and state proposed change):**
 Add new text as follows: Delete and substitute as follows: Delete without substitution:

Show the proposed NEW or REVISED or DELETED TEXT in legislative format: Line through text to be deleted. <u>Underline text to be added.</u>
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1620.3.1 Plan or vertical irregularities. For buildings having a plan structural irregularity of Type 1a, 1b, 2, 3 or 4 in Table 1616.5.1 or a vertical structural irregularity of Type 4 in Table 1616.5.2, the design forces determined from Section 1617.4.1 shall be increased 25 per cent for connections of diaphragms to vertical elements and to collectors, ~~and for connections of collectors to the vertical elements,~~ and for diaphragm chords and diaphragm chord connections where plan structural irregularity Type 2 in Table 1616.5.1 exists.

Exception: Where collectors are subject to the provisions of Section 1620.3.4 which require the design strength to satisfy the Special Load Combinations of Section 1605.4, the additional increase of 25 per cent does not apply.

For buildings having a plan structural irregularity of Type 4 in Table 1616.5.1, diaphragms or horizontal bracing that transfers forces between horizontally offset vertical lateral force resisting elements shall be designed using the Special Load Combinations of Section 1605.4.

PROPOSAL Continued (Attach additional sheets as necessary)

- 7) **SUPPORTING INFORMATION** (State purpose and reason, and provide substantiation to support proposed change):

Chords should also be explicitly mentioned as members and connections subject to the 25% increase in design forces where re-entrant corners occur. The 25% additional increase should not apply to collectors that are subject to the Special Load Combinations of Section 1605.4.

Diaphragms or horizontal bracing used to transfer seismic forces from offset vertical lateral force resisting elements should remain essentially elastic since the yielding of these elements is not explicitly considered in defining these systems. The use of the Special Load Combinations will substantially reduce the ductility demands on the horizontal bracing or diaphragm under these conditions.