

B. RESPONSIBILITY MATRIX

This appendix contains responsibility matrix templates for the seismic protection of nonstructural components. The templates are to be used for assigning responsibility for design, construction, and inspection of nonstructural installations governed by ASCE/SEI 7-10. Three separate templates are provided for Seismic Design Categories B, C, and D/E/F, respectively. In addition, a Basic Form is provided for general use. The matrices are intended to be used in conjunction with the construction specification provided in Appendix A.

The matrices are provided as a Microsoft Excel file (.xls) on the CD-ROM and should be customized for use in projects.

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	A	B	C	D	E	F	G	H	I	J
1	RESPONSIBILITY MATRIX									
2	FOR THE SEISMIC PROTECTION OF NONSTRUCTURAL COMPONENTS									
3	SEISMIC DESIGN CATEGORY B									
4										
5	NONSTRUCTURAL COMPONENTS									
6		General categories shown with sample entries (in blue); insert line items for project specific components	Is Seismic Design Required? (yes/exempt)	Component Importance Factor, Ip (See Note 1)	Party Responsible for Design of Seismic Details (See Note 2)	Party Responsible for Preparation of Seismic Shop Drawings (See Note 2)	Party Responsible for Preparation of Seismic Calculations (See Note 2)	Is Special Seismic Certification Required? (See Note 3)	Is seismic design being handled as a Deferred Approval?	Party Responsible for Site Inspection of Installed Component/System
7	ITEM	DESIGNATED SEISMIC SYSTEMS (See Note 1)	Exempt	Ip=1.5				No		
8	S.1	Component required to function for life-safety purposes after an earthquake, including fire protection sprinkler systems and egress stairways. (per 13.1.3.1)	Exempt per 13.1.4.2							
9										
10	S.2	Component conveys, supports or contains toxic or explosive substances. (per	Exempt per 13.1.4.2							
11										
12	S.3	Component in or attached to Risk Category IV structure and is needed for continued operation of the facility or its failure could impair the continued	NA							
13										
14	Note	Systems in Seismic Design Category B (other exemptions may apply, see ASCE 7-10)	Exempt							
15		Mechanical and electrical components in Seismic Design Category B are exempt from the requirements of Chapter 13 of ASCE 7.	Exempt per 13.1.4							
16										
17										
18	ITEM	STANDARD NONSTRUCTURAL COMPONENTS		Ip=1.0 (UON)						
19		ARCHITECTURAL COMPONENTS								
20	A.1	Exterior Wall Components	Exempt							
21										
22	A.2	Interior Partitions	Exempt							
23										
24	A.3	Ceilings	Exempt							

Figure B-1 Screenshot showing Responsibility Matrix for the Seismic Protection of nonstructural Components, Seismic Design Category B worksheet.