

Project Address: _____

Type of Construction: _____ Occupancy Group: _____ Fire rated Exterior Wall: Yes No

These tables shall be completed and submitted along with the plan submittal. Please refer to IBC Section 703 for allowable assembly methods.

FIRE RATED ASSEMBLIES ⁽¹⁾

IBC Code Section	Building element	Required rating	Location	Assembly reference	Attach assembly
*Example	<i>Floor Ceiling</i>	<i>1-hour / 2 - hour</i>	<i>Corridor Floor</i>	<i>UL L545</i>	<i>see attached</i>
Tables 601 & 705.2, Section 705 ⁽²⁾	Exterior bearing walls				
Table 602, Sections 704 and 705 ⁽²⁾	Exterior Nonbearing walls				
Table 601, Sections 704 and 705	Interior bearing walls				
Table 601 and Section 704	Structural frame				
Sections 713 and 707,711,712	Shafts (3) (4) (5)				
Table 508.4 and Section 707	Occupancy Separations				
Section 707.3.10	Fire Area				
Sections 1024.3/1026.1 and 707,711	Exit Passageway/Horizontal Exit				
Table 509.1 and 707/711	Incidental Use				
Sections 404.6 and 707/711	Atriums				
Sections 414.2.4 and 707/711	Control Area				
Section 913.2.1 and 707/711	Fire Pump Room				
Sections 1020 and 708	Corridors				
Sections 420 and 708	Dwelling unit/Sleeping Unit				
Section 709	Smoke Barrier				
Section 711	Floor-ceilings				
Section 711	Roof-ceilings				

(1) NOT ALL CONDITIONS/ASSEMBLIES ARE LISTED IN THE TABLE

(2) Please also verify requirements of section 1023.7

(3) Please also verify requirements of section 3005.4

(4) Please refer to sections 713.2 & 1023.2 (1019.4 for I-2/I-3 occupancies)

(5) Please refer to Local Ordinance Sections 175.32, 175.33, 175.34, 175.35

DAMPER ASSEMBLIES (See Notes)

ASSEMBLY TYPE Section Numbers IBC = Section 717 IMC = Section 607	FIRE DAMPERS (2)	SMOKE DAMPER	COMBO FIRE/SMOKE DAMPER	CEILING RADIATION DAMPER (2)	CORRIDOR DAMPER	WHAT <u>DAMPER IS PROPOSED?</u>
						(list damper below)
Fire Wall	X (Sec 717.5.1) (Sec 607.5.1)					
<i>Horizontal Exit</i>		X (Sec 717.5.1.1) (Sec 607.5.1.1)				
Fire Barrier	X (Sec 717.5.2) (Sec 607.5.2)					
<i>Horizontal Exit</i>		X (Sec 717.5.2.1) (Sec 607.5.2.1)				
Shafts	X (Sec 717.5.3) (Sec 607.5.5)	X (Sec 717.5.3) (Sec 607.5.5)	X			
Fire Partitions	X (Sec 717.5.4) (Sec 607.5.3)					
<i>Corridors</i>		X (Sec 717.5.4.1) (Sec 607.5.4)		X (Sec 717.5.4.1) (Sec 607.5.4)	X (Sec 717.5.4.1) (Sec 607.5.4)	
Smoke Barriers		X (Sec 717.5.5) (Sec 607.5.4)				
Exterior Walls	X (Sec 717.5.6) (Sec 607.5.6)					
Smoke Partitions		X (Sec 717.5.7) (Sec 607.5.7)				
Horizontal Assemblies						
<i>Through Penetration</i>	X (Sec 717.6.1) (Sec 607.6.1)					
<i>Membrane Penetration</i>				X (Sec 717.6.2.1) (Sec 607.6.2.1)		

(1) NOT ALL CONDITIONS MAY BE LISTED IN THE TABLE

(2) Each section may contain exceptions that if followed would allow the exemption of dampers. Please refer to the sections for more information.

NOTE:

- 1.) Damper information is required to be submitted for review. Damper information/details shall be on the plans and tech data attached to this submittal document. Dampers shall correspond with the proper listing as identified in the proposed UL fire rated assembly.
- 2.) If the HVAC system is designed to operate during a fire then Fire dampers and Ceiling radiation dampers shall be listed as being of the DYNAMIC type.
- 3.) Dampers proposed to be installed in the "horizontal position" shall be listed for such.
- 4.) Duct and air transfer openings shall meet the provisions of IBC section 717 and IMC section 607