

Iowa Building Code Official's Handbook Architectural/Engineering Combined Matrix

BUILDINGS NEW CONSTRUCTION					
Building Use Type	Description	Architect Required	Architect May Not Be Required	Engineer Required	Engineer May Not Be Required
Agricultural use	Including grain elevators and feed mills		X		
	Facilities for private use only and individually owned and operated facilities including grain elevators and feed mills				X
	Corporate-owned facilities or publicly owned facilities including grain elevators and feed mills			X	
Churches and accessory buildings whether attached or separate	One or two stories in height, up to a maximum of 2,000 square feet in gross floor area		X		X
	Any number of stories in height, greater than 2,000 square feet in gross floor area	X		X	
	More than two stories in height	X		X	
Commercial use	One story in height, up to a maximum of 10,000 square feet in gross floor area		X		X
	One story in height, greater than 10,000 square feet in gross floor area	X		X	
	Two stories in height, up to a maximum of 6,000 square feet in gross floor area		X		X
	Two stories in height, greater than 6,000 square feet of gross floor area	X		X	
	More than two stories in height	X		X	
Detached residential use	One, two or three stories in height, containing 12 or fewer family dwelling units		X		X
	More than 12 family dwelling units	X		X	
	More than three stories in height	X		X	
	Outbuildings in connection with detached residential buildings		X		X
Educational use		X		X	

Governmental Use	When the occupancy is of another building use type listed herein, those provisions shall apply			X	
Hazardous use		X			
Industrial use		X		X	
Institutional use		X		X	
Light industrial use			X		X
Places of assembly		X		X	
Warehouse use	One story in height, up to a maximum of 10,000 square feet in gross floor area		X		X
	One story in height, greater than 10,000 square feet in gross floor area	X		X	
	More than one story in height	X		X	
Factory-built buildings	Any height and size, if certified by a professional engineer licensed under Iowa Code chapter 542B		X		
	One or two stories in height, up to a maximum of 20,000 square feet in gross floor area		X		X
	One or two stories in height, greater than 20,000 square feet in gross floor area	X		X	
	More than two stories in height	X		X	
	More than 20,000 square feet in gross floor area	X		X	

ALTERATIONS TO EXISTING BUILDINGS					
Alteration Type	Description	Architect Required	Architect May Not Be Required	Engineer Required	Engineer May Not Be Required
Structural alterations to exempt buildings [under Iowa Code section 544A.18 – per Eng rules]	Modifications which change the structural members, means of egress, handicap accessible path, fire resistivity or other life safety concerns		X		X
Structural alterations to nonexempt buildings	Modifications which change the structural members, means of egress, handicap accessible path, fire resistivity or other life safety concerns	X		X	

Nonstructural alteration	Which does not modify means of egress, handicap accessible path, fire resistivity or other life safety concerns			X		X
	Which maintains the previous type of use			X		
Nonstructural alteration which changes the use of the building from any other use to:	A place of assembly of people or public gathering		X		X	
	Educational use		X		X	
	Governmental use				X	
	Hazardous use		X		X	
	Residential use exempted [A place of residence exempted]	and is one, two or three stories in height and contains not more than 12 family dwelling units		X		X
	Residential use not exempted otherwise [A place of residence not exempted otherwise]	and is more than three stories in height	X		X	
		and containing more than 12 family dwelling units	X		X	
Nonstructural alterations which change the use of the building from industrial or warehouse to:	Commercial or office use	and is one story in height and not greater than a maximum of 10,000 square feet in gross floor area		X		X
		and is one story in height and greater than 10,000 square feet in gross floor area	X		X	
		and is two stories in height and not greater than a maximum of 6,000 square feet in gross floor area		X		X
		and is two stories in height and greater than 6,000 square feet in gross floor area	X		X	
		and is more than two stories in height	X		X	
		and is greater than 10,000 square feet of gross floor area	X		X	

Nonstructural alterations to:	Agricultural use	Including grain elevators and feed mills		X		X
	Churches and accessory building uses	One or two stories in height, up to a maximum of 2,000 square feet in gross floor area		X		X
		Any number of stories in height, greater than 2,000 square feet in gross floor area	X		X	
		More than two stories in height	X		X	
	Commercial use	One story in height, up to a maximum of 10,000 square feet in gross floor area		X		X
		One story in height, greater than 10,000 square feet in gross floor area	X		X	
		Two stories in height, up to a maximum of 6,000 square feet in gross floor area		X		X
		Two stories in height, greater than 6,000 square feet in gross floor area	X		X	
		More than two stories in height	X		X	
	Detached residential buildings	One, two or three stories in height, containing 12 or fewer family dwelling units		X		X
		More than 12 family dwelling units	X		X	
		More than three stories in height	X		X	
		Outbuildings in connection with detached residential buildings		X		X
	Educational use		X		X	

	Governmental Use	When the occupancy is of another building use type listed herein, those provisions shall apply			X	
	Hazardous use		X			
	Industrial use		X		X	
	Institutional use		X		X	
	Light industrial use			X		X
	Places of assembly		X		X	
	Warehouse use	One story in height, up to a maximum of 10,000 square feet in gross floor area		X		X
		One story in height, greater than 10,000 square feet in gross floor area	X		X	
		More than one story in height	X		X	
	Factory-built buildings	Any height and size if entire building is certified by a professional engineer licensed under Iowa Code chapter 542B		X		
		One or two stories in height, up to a maximum of 20,000 square feet of gross floor area		X		X
		One or two stories in height, greater than 20,000 square feet in gross floor area	X		X	
		More than two stories in height	X		X	
		More than 20,000 square feet in gross floor area	X		X	

