

HAZUS Building Class Rulesets - Wind

1. Assign Default Values to all buildings:

	IF BuidingType=3001, HazusClass-W=WSF1, ELSEIF BuildingType=3002, HazusClass-W= SPMB, ELSEIF BuildingType=3003, HazusClass-W=CERBL, ELSEIF BuildingType=3004, HazusClass-W=MLRM1, ELSEIF BuildingType=3005, HazusClass-W=MHPHUD, ELSE HazusClass-W=WSF1								
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2. Refine assignment based on available data:

	Building Description	HazusClass-W	BuildingType	OccupancyClass	NumberofStories	PlanArea	YearBuilt	WindZone	Ruleset
1	Wood, Single-Family Homes 1 story	WSF1	Wood	RES1	1	N/A	N/A	N/A	HazusClass-W=WSF1, IF BuildingType=3001 & OccupancyClass = RES1 & NumberofStories1=1
2	Wood, Single-Family Homes 2+ stories	WSF2	Wood	RES1	2+	N/A	N/A	N/A	HazusClass-W=WSF2, IF BuildingType=3001 & OccupancyClass = RES1 & NumberofStories1>=2
3	Wood, Multi-Unit/Hotel/Motel 1 story	WMUH1	Wood	RES3*; RES5; RES6; COM8	1	N/A	N/A	N/A	HazusClass-W=WMUH1, IF BuildingType=3001 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6 or COM8) & NumberofStories1=1
4	Wood, Multi-Unit/Hotel/Motel 2 stories	WMUH2	Wood	RES3*; RES5; RES6; COM8	2	N/A	N/A	N/A	HazusClass-W=WMUH2, IF BuildingType=3001 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6 or COM8) & NumberofStories1=2
5	Wood, Multi-Unit/Hotel/Motel 3+ stories	WMUH3	Wood	RES3*; RES5; RES6; COM8	3+	N/A	N/A	N/A	HazusClass-W=WMUH2, IF BuildingType=3001 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6 or COM8) & NumberofStories1>=3
6	Wood Marginally- or Non-Engineered Multi-Unit/Hotel/Motel 1 story	WMUH1NE	Wood	RES3*; RES5; RES6; COM8	1	N/A	N/A	N/A	HazusClass-W=WMUH1NE, IF BuildingType=3001 OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6 or COM8) & NumberofStories1=1 & DesignLevel= (ME or NE)
7	Wood Marginally- or Non-Engineered Multi-Unit/Hotel/Motel 2 stories	WMUH2NE	Wood	RES3*; RES5; RES6; COM8	2	N/A	N/A	N/A	HazusClass-W=WMUH2NE, IF BuildingType=3001 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6 or COM8) & NumberofStories1=2 & DesignLevel= (ME or NE)
8	Wood Marginally- or Non-Engineered Multi-Unit/Hotel/Motel 3 stories	WMUH3NE	Wood	RES3*; RES5; RES6; COM8	3	N/A	N/A	N/A	HazusClass-W=WMUH3NE, IF BuildingType=3001 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6 or COM8) & NumberofStories1=3 & DesignLevel= (ME or NE)
9	Wood Marginally- or Non-Engineered Multi-Unit/Hotel/Motel 4 stories	WMUH4NE	Wood	RES3*; RES5; RES6; COM8	4	N/A	N/A	N/A	HazusClass-W=WMUH3NE, IF BuildingType=3001 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6 or COM8) & NumberofStories1=3 & DesignLevel= (ME or NE)
10	Masonry, Single Family Homes 1 story	MSF1	Masonry	RES1	1	N/A	N/A	N/A	HazusClass-W=MSF1, IF BuildingType=3004 & OccupancyClass = RES1 & NumberofStories1=1
11	Masonry, Single Family Homes 2+ stories	MSF2	Masonry	RES1	2+	N/A	N/A	N/A	HazusClass-W=MSF2, IF BuildingType=3004 & OccupancyClass = RES1 & NumberofStories1>=2
12	Masonry, Multi-Unit/Hotel/Motel 1 story	MMUH1	Masonry	RES3*; RES5; RES6; COM8	1	N/A	N/A	N/A	HazusClass-W=MMUH1, IF BuildingType=3004 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6 or COM8) & NumberofStories1=1
13	Masonry, Multi-Unit/Hotel/Motel 2 stories	MMUH2	Masonry	RES3*; RES5; RES6; COM8	2	N/A	N/A	N/A	HazusClass-W=MMUH2, IF BuildingType=3004 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6 or COM8) & NumberofStories1=2
14	Masonry, Multi-Unit/Hotel/Motel 3+ stories	MMUH3	Masonry	RES3*; RES5; RES6; COM8	3+	N/A	N/A	N/A	HazusClass-W=MMUH3, IF BuildingType=3004 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6 or COM8) & NumberofStories1>=3
15	Masonry, Low-Rise Strip Mall height < 15 ft	MLRM1	Masonry	COM1; COM2	1	N/A	N/A	N/A	HazusClass-W=MLRM1, IF BuildingType=3004 & OccupancyClass=(COM1 or COM2) & NumberofStories1=1 & max(Elevations)<=15 & NoUnits >1
16	Masonry, Low-Rise Strip Mall height > 15 ft	MLRM2	Masonry	COM1; COM2	1	N/A	N/A	N/A	HazusClass-W=MLRM1, IF BuildingType=3004 & OccupancyClass=(COM1 or COM2) & NumberofStories1=1 & max(Elevations)>15 & NoUnits >1
17	Masonry, Low-Rise Industrial/Warehouse/Factory Building	MLRI	Masonry	IND*	1	N/A	N/A	N/A	HazusClass-W=MLRI, IF BuildingType=3004 & NumberofStories1=1 & OccupancyClass = (IND1 or IND2 or IND3 or IND4 or IND5 or IND6)
18	Masonry, Engineered Residential Building, Low-Rise (1-2 Stories)	MERBL	Masonry	RES*	1-2	N/A	N/A	N/A	HazusClass-W=MERBL, IF BuildingType=3004 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F) & NumberofStories(>=1 and <=2) & DesignLevel = E
19	Masonry, Engineered Residential Building, Mid-Rise (3-5 Stories)	MERBM	Masonry	RES*	3-5	N/A	N/A	N/A	HazusClass-W=MERBM, IF BuildingType=3004 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F) & NumberofStories(>=3 and <=5) & DesignLevel = E
20	Masonry, Engineered Residential Building, High-Rise (6+ Stories)	MERBH	Masonry	RES*	6+	N/A	N/A	N/A	HazusClass-W=MERBH, BuildingType=3004 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F) & NumberofStories>=6 & DesignLevel = E

21	Masonry, Engineered Commercial Building, Low-Rise (1-2 Stories)	MECBL	Masonry	COM*	1-2	N/A	N/A	N/A	HazusClass-W=MECBL, IF BuildingType=3004 & OccupancyClass = (COM1 or COM2 or COM3 or COM4 or COM5 or COM6 or COM7 or COM8 or COM9 or COM10) & NumberOfStories1(>=1 and <=2) & DesignLevel = E
22	Masonry, Engineered Commercial Building, Mid-Rise (3-5 Stories)	MECBM	Masonry	COM*	3-5	N/A	N/A	N/A	HazusClass-W=MECBM, IF BuildingType=3004 & OccupancyClass = (COM1 or COM2 or COM3 or COM4 or COM5 or COM6 or COM7 or COM8 or COM9 or COM10) & NumberOfStories1(>=3 and <=5) & DesignLevel = E
23	Masonry, Engineered Commercial Building, High-Rise (6+ Stories)	MECBH	Masonry	COM*	6+	N/A	N/A	N/A	HazusClass-W=MECBH, IF BuildingType=3004 & OccupancyClass = (COM1 or COM2 or COM3 or COM4 or COM5 or COM6 or COM7 or COM8 or COM9 or COM10) & NumberOfStories1>=6 & DesignLevel = E
24	Masonry Marginally- or Non-Engineered Multi-Unit/Hotel/Motel 1 story	MMUH1NE	Masonry	RES3*; RES5; RES6; COM8	1	N/A	N/A	N/A	HazusClass-W=MMUH1NE, IF BuildingType=3004 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6 or COM8) & NumberOfStories1=1 & DesignLevel = (ME or NE)
25	Masonry Marginally- or Non-Engineered Multi-Unit/Hotel/Motel 2 stories	MMUH2NE	Masonry	RES3*; RES5; RES6; COM8	2	N/A	N/A	N/A	HazusClass-W=MMUH2NE, IF BuildingType=3004 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6 or COM8) & NumberOfStories1=2 & DesignLevel = (ME or NE)
26	Masonry Marginally- or Non-Engineered Multi-Unit/Hotel/Motel 3 stories	MMUH3NE	Masonry	RES3*; RES5; RES6; COM8	3	N/A	N/A	N/A	HazusClass-W=MMUH3NE, IF BuildingType=3004 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6 or COM8) & NumberOfStories1=3 & DesignLevel = (ME or NE)
27	Concrete, Engineered Residential Building, Low-Rise (1-2 Stories)	CERBL	Concrete	RES*	1-2	N/A	N/A	N/A	HazusClass-W=CERBL, IF BuildingType=3003 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6) & NumberOfStories1(>=1 and <=2) & DesignLevel = E
28	Concrete, Engineered Residential Building, Mid-Rise (3-5 Stories)	CERBM	Concrete	RES*	3-5	N/A	N/A	N/A	HazusClass-W=CERBM, IF BuildingType=3003 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6) & NumberOfStories1(>=3 and <=5) & DesignLevel = E
29	Concrete, Engineered Residential Building, High-Rise (6+ Stories)	CERBH	Concrete	RES*	6+	N/A	N/A	N/A	HazusClass-W=CERBH, IF BuildingType=3003 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6) & NumberOfStories1>=6 & DesignLevel = E
30	Concrete, Engineered Commercial Building, Low-Rise (1-2 Stories)	CECBL	Concrete	COM*	1-2	N/A	N/A	N/A	HazusClass-W=CECBL, IF BuildingType=3003 & OccupancyClass = (COM1 or COM2 or COM3 or COM4 or COM5 or COM6 or COM7 or COM8 or COM9 or COM10) & NumberOfStories1(>=1 and <=2) & DesignLevel = E
31	Concrete, Engineered Commercial Building, Mid-Rise (3-5 Stories)	CECBM	Concrete	COM*	3-5	N/A	N/A	N/A	HazusClass-W=CECBM, IF BuildingType=3003 & OccupancyClass = (COM1 or COM2 or COM3 or COM4 or COM5 or COM6 or COM7 or COM8 or COM9 or COM10) & NumberOfStories1(>=3 and <=5) & DesignLevel = E
32	Concrete, Engineered Commercial Building, High-Rise (6+ Stories)	CECBH	Concrete	COM*	6+	N/A	N/A	N/A	HazusClass-W=CECBH, IF BuildingType=3003 & OccupancyClass = (COM1 or COM2 or COM3 or COM4 or COM5 or COM6 or COM7 or COM8 or COM9 or COM10) & NumberOfStories1>=6 & DesignLevel = E
33	Steel, Pre-Engineered Metal Building, Small	SPMBS	Steel	COM*, IND*, EDU*, AGR*, REL*, GOV*	1	100' x 40'	N/A	N/A	HazusClass-W=SPMBS, IF BuildingType=3002 & NumberOfStories1 = 1 & OccupancyClass (Not equal to RES1 or RES2 or RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES4 or RES5 or RES6) & DesignLevel = PE & PlanArea0<=4000
34	Steel, Pre-Engineered Metal Building, Medium	SPMBM	Steel	COM*, IND*, EDU*, AGR*, REL*, GOV*	1	250' x 200'	N/A	N/A	HazusClass-W=SPMBM, IF BuildingType=3002 & NumberOfStories1=1 & OccupancyClass (Not equal to RES1 or RES2 or RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES4 or RES5 or RES6) & DesignLevel = PE & PlanArea0>4000 & <=50000
35	Steel, Pre-Engineered Metal Building, Large	SPMBL	Steel	COM*, IND*, EDU*, AGR*, REL*, GOV*	1	1000' x 500'	N/A	N/A	HazusClass-W=SPMBL, IF BuildingType=3002 & NumberOfStories1=1 & OccupancyClass (Not equal to RES1 or RES2 or RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES4 or RES5 or RES6) & DesignLevel = PE & PlanArea0>=50000
36	Steel, Engineered Residential Building, Low-Rise (1-2 Stories)	SERBL	Steel	RES*	1-2	N/A	N/A	N/A	HazusClass-W=SERBL, IF BuildingType=3002 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6) & NumberOfStories1(>=1 and <=2) & DesignLevel = E
37	Steel, Engineered Residential Building, Mid-Rise (3-5 Stories)	SERBM	Steel	RES*	3-5	N/A	N/A	N/A	HazusClass-W=SERBM, IF BuildingType=3002 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6) & NumberOfStories1(>=3 and <=5) & DesignLevel = E
38	Steel, Engineered Residential Building, High-Rise (6+ Stories)	SERBH	Steel	RES*	6+	N/A	N/A	N/A	HazusClass-W=SERBH, IF BuildingType=3002 & OccupancyClass = (RES3A or RES3B or RES3C or RES3D or RES3E or RES3F or RES5 or RES6) & NumberOfStories1>=6 & DesignLevel = E
39	Steel, Engineered Commercial Building, Low-Rise (1-2 Stories)	SECBL	Steel	COM*	1-2	N/A	N/A	N/A	HazusClass-W=SECBL, IF BuildingType=3002 & OccupancyClass = (COM1 or COM2 or COM3 or COM4 or COM5 or COM6 or COM7 or COM8 or COM9 or COM10) & NumberOfStories1(>=1 and <=2) & DesignLevel = E
40	Steel, Engineered Commercial Building, Mid-Rise (3-5 Stories)	SECBM	Steel	COM*	3-5	N/A	N/A	N/A	HazusClass-W=SECBM, IF BuildingType=3002 & OccupancyClass = (COM1 or COM2 or COM3 or COM4 or COM5 or COM6 or COM7 or COM8 or COM9 or COM10) & NumberOfStories1(>=3 and <=5) & DesignLevel = E

41	Steel, Engineered Commercial Building, High-Rise (6+ Stories)	SECBH	Steel	COM*	6+	N/A	N/A	N/A	HazusClass-W=SECBH, IF BuildingType=3002 & OccupancyClass = (COM1 or COM2 or COM3 or COM4 or COM5 or COM6 or COM7 or COM8 or COM9 or COM10) & NumberofStories1>=6 & DesignLevel = E
42	Manufactured Home, Pre-HUD	MHPHUD	Mobile Home	RES2	N/A	N/A	<1976	N/A	HazusClass-W=MHPHUD, IF OccupancyClass=RES2 & YearBuiltNJDEP<=1976
43	Manufactured Home, 1976 HUD	MH76HUD	Mobile Home	RES2	N/A	N/A	1976-1994	N/A	HazusClass-W=MHPHUD, IF OccupancyClass=RES2 & YearBuiltNJDEP>1976 & <= 1994
44	Manufactured Home, 1994 HUD - Wind Zone I	MH94HUD-I	Mobile Home	RES2	N/A	N/A	>1994	1	HazusClass-W=MHPHUD, IF OccupancyClass=RES2 & YearBuiltNJDEP>1994 & WindZone=I
45	Manufactured Home, 1994 HUD - Wind Zone II	MH94HUD-II	Mobile Home	RES2	N/A	N/A	>1994	2	HazusClass-W=MHPHUD, IF OccupancyClass=RES2 & YearBuiltNJDEP>1994 & WindZone=II
46	Manufactured Home, 1994 HUD - Wind Zone III	MH94HUD-III	Mobile Home	RES2	N/A	N/A	>1994	3	HazusClass-W=MHPHUD, IF OccupancyClass=RES2 & YearBuiltNJDEP>1994 & WindZone=III
47	Essential Facility - Fire Station	HUEFFS	Essential Facilities	GOV2	N/A	N/A	N/A	N/A	HazusClass-W=HUEFFS, IF EssentialClass = FS
48	Essential Facility - Elementary School	HUEFSS	Essential Facilities	EDU1	N/A	N/A	N/A	N/A	HazusClass-W=HUEFSS, IF EssentialClass = ES
49	Essential Facility - High School (2 Story)	HUEFSM	Essential Facilities	EDU1	2	N/A	N/A	N/A	HazusClass-W=HUEFSL, IF EssentialClass = HS & NumberofStories1<3
50	Essential Facility - High School (3 Story)	HUEFSL	Essential Facilities	EDU1	3	N/A	N/A	N/A	HazusClass-W=HUEFSL, IF EssentialClass = HS & NumberofStories1>2
51	Essential Facility - Hospital Small (<50 beds)	HUEFHS	Essential Facilities	COM6	1-2	N/A	N/A	N/A	HazusClass-W=HUEFHS, IF EssentialClass = HO & NumberofStories1(>=1 and <=2)
52	Essential Facility - Hospital Medium (50-150 beds)	HUEFHM	Essential Facilities	COM6	3-5	N/A	N/A	N/A	HazusClass-W=HUEFHM, IF EssentialClass = HO & NumberofStories1(>=3 and <=5)
53	Essential Facility - Hospital Large (>150 beds)	HUEFHL	Essential Facilities	COM6	6+	N/A	N/A	N/A	HazusClass-W=HUEFHL, IF EssentialClass = HO & NumberofStories1>=6
54	Essential Facility - Police Station	HUEFPS	Essential Facilities	GOV2	N/A	N/A	N/A	N/A	HazusClass-W=HUEFPS, IF EssentialClass = PS
55	Essential Facility - Emergency Operation Centers	HUEFEO	Essential Facilities	GOV2	N/A	N/A	N/A	N/A	HazusClass-W=HUEFEO, IF EssentialClass = EOC