HAZUS Building Attribute Rulesets			
Note: Defaults should be assigned	to all MHPHUD Buildings as defined below; then rulesets shou	uld be applied to override those defaults as informed by available data.	
shutters			
Valid Entries	yes, no	Input Variable	YearBuiltNJDEP, WBD
Default	no	Input Variable Source	Custom Inventory
Years Ruleset Applies	Ruleset	Notes	Possible Extensions
YearBuiltNJDEP > 1994	Use MH94HUDI-II-III rules	Use this ruleset only for YearBuiltNJDEP <=1976	
1976 <yearbuiltnjdep 1994<="" td="" ≤=""><td>Use MH76HUD Rules</td><td>Use this ruleset only for YearBuiltNJDEP <=1976</td><td></td></yearbuiltnjdep>	Use MH76HUD Rules	Use this ruleset only for YearBuiltNJDEP <=1976	
YearBuiltNJDEP ≤ 1976	IF WBD = yes, Assign as Random Variable (RV): shutters = yes (RV = 45%) shutters = no (RV = 55%)	Based on Human Subjects Data, roughly 45% of houses built in the 1980s and 1990s had entries that implied they had shutters on at some or all of their windows, which is assumed as the ruleset for homes built under the IRC codes. Given a lack of specific information, manufactured homes will be assumed to follow roughly the same trend. Therefore, 45% of pre-HUD manufactured homes should be randomly assigned to have shutters, and 55% should not. Data ranges checked: 1992 to 1995, 33/74 entries (44.59%) with shutters 1998 to 1992, 36/79 entries (45.57%) with shutters 1983 to 1986, 19/44 entries (43.18%) with shutters Valid Entries: 1 - Homemade storm panels (plywood) 4 - Shutters 5 - Store-bought storm panels 6 - Store-bought fabrics/screens 7 - Some other covering	
 FieDowns			Tie Downs
Valid Entries	yes, no	Input Variable	YearBuiltNJDEP
Default	no	Input Variable Source	Custom Inventory
Years Ruleset Applies	Ruleset	Notes	Possible Extensions
YearBuiltNJDEP > 1994	Use MH94HUDI-II-III rules	Use this ruleset only for YearBuiltNJDEP <=1976	1 OSSIDIE LALBISIONS
1976 <yearbuiltnjdep 1994<="" td="" ≤=""><td>Use MH76HUD Rules</td><td>Use this ruleset only for YearBuiltNJDEP <=1976</td><td></td></yearbuiltnjdep>	Use MH76HUD Rules	Use this ruleset only for YearBuiltNJDEP <=1976	
YearBuiltNJDEP ≤ 1976	Assign as Random Variable (RV): TieDown = yes (RV = 45%) TieDown = no (RV = 55%)	The HUD Code was amended in 1994 with requirements that manufactured homes meet building and installation standards to provide wind safety safeguards in pre-designated storm regions of the country, therefore tie downs were not required by code before 1994. However, it is recommended that all manufactured homes install tie downs. Therefore, this ruleset assumes roughly the same percentage voluntary compliance as shutters before 1994, meaning, 45% of pre-HUD manufactured homes should be randomly assigned to have tie-downs, and 55% should not. (http://www.homespotonline.com/blog/what-you-need-know-about-manufactured-homes/)	