

Hazus Flood Assessment Structure Tool (FAST)

Building Data Formatting

Use the following field names, values, data types, and units to format your building data for input in FAST. Required fields are shown in **green**. Optional fields are shown in **yellow**. For more information about how FAST uses these fields to calculate flood impacts, please refer to the Hazus Flood Technical Manual.

Field Name	Description	Type	Unit
Occ	Occupancy type	Text	
Values	Description		
AGR1	Agriculture		
COM1	Retail Trade		
COM10	Parking		
COM2	Wholesale Trade		
COM3	Personal and Repair Service		
COM4	Financial/Professional/Technical Services		
COM5	Banks		
COM6	Hospitals		
COM7	Medical Offices/Clinic		
COM8	Entertainment & Recreation		
COM9	Theaters		
EDU1	Schools		
EDU2	Colleges/Universities		
GOV1	General Services		
GOV2	Emergency Response		
IND1	Heavy		
IND2	Light		
IND3	Food/Drug/Chemical		
IND4	Metals/Minerals Processing		
IND5	High Technology		
IND6	Construction		
REL1	Church		
RES1	Single Family Dwelling		
RES2	Manufactured Home		
RES3A	Multi Family Dwelling A		
RES3B	Multi Family Dwelling B		
RES3C	Multi Family Dwelling C		
RES3D	Multi Family Dwelling D		
RES3E	Multi Family Dwelling E		
RES3F	Multi Family Dwelling F		
RES4	Temporary Lodging		
RES5	Institutional Dormitory		
RES6	Nursing Home		
Cost	Replacement cost of building	Long integer	U.S. Dollars
NumStories	Number of stories in building	Short integer	Stories
FoundationType	Foundation type of building	Short integer	Number corresponds to category
Values	Description		
1	Pile		
2	Pier		
3	Solid Wall		
4	Basement		
5	Crawlspace		

6

Fill

7

Slab

FirstFloorHt	Height above grade of finished first floor	Float (greater than 0)	Feet
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Area	Total area of building	Long integer (greater than 0)	Square Feet
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ContentCost	Total cost of building contents	Long integer (greater than or equal to 0)	U.S. Dollars
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If field is not provided, FAST calculates content cost as a percentage of building replacement cost. Percentage varies according to occupancy type.

InvCost	Total cost of business-related contents in building	Long integer (greater than or equal to 0)	U.S. Dollars
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If field is not provided, the FAST calculates inventory cost as a function of area and occupancy type.

BuildingDDF	Numeric code used to assign a depth damage function to calculate building losses	Short integer	Number corresponds to damage function
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FAST assigns depth damage functions to each building according to specific occupancy, number of stories, first floor height, and foundation type.

ContentDDF	Numeric code used to assign a depth damage function to calculate building content losses	Short integer	Number corresponds to damage function
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FAST assigns depth damage functions to each building according to specific occupancy, number of stories, first floor height, and foundation type.

InventoryDDF	Numeric code used to assign a depth damage function to calculate building inventory losses	Short integer	Number corresponds to damage function
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FAST assigns depth damage functions to each building according to specific occupancy, number of stories, first floor height, and foundation type.