

Sheet 1:

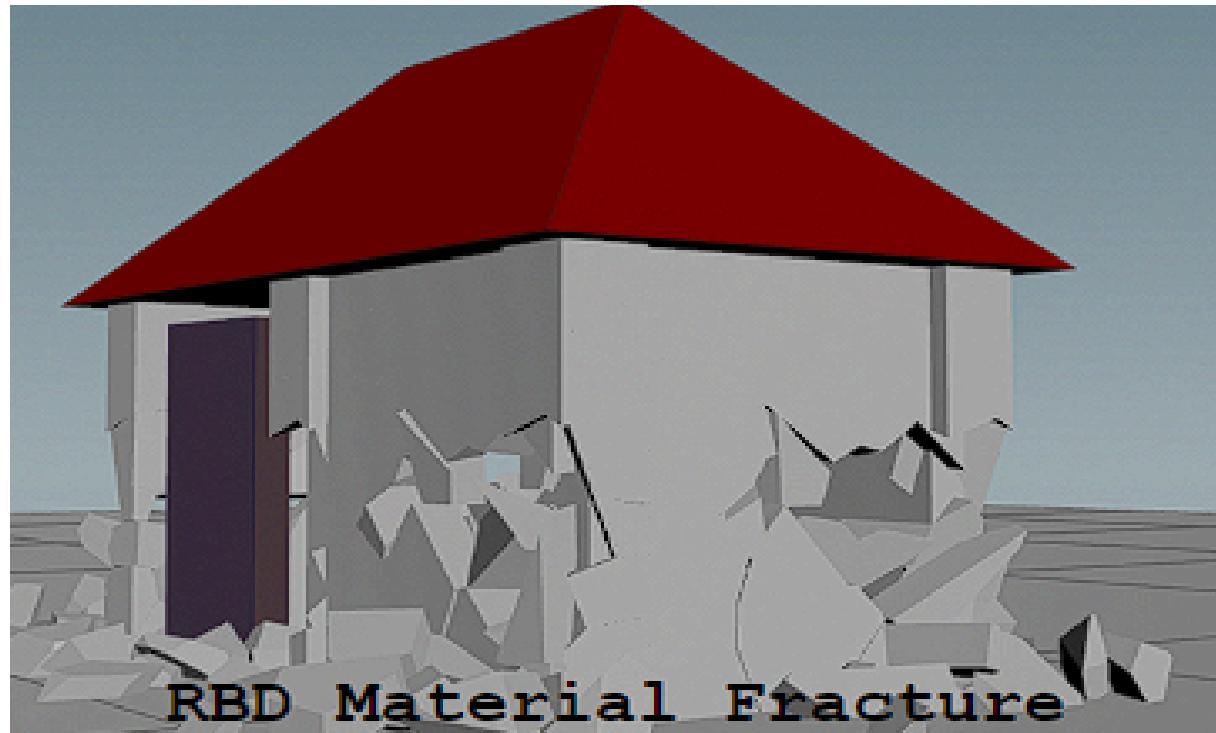
Type Of Structure	Earthquake / Site	Magnitude						
Reinforced Concrete	Southern Philippines in November 2019	1-2	3	4	5	6	7	8



Description: A series of powerful earthquakes have rocked the southern Philippines since October 16, 2019, killing 21 people, injuring over 400, and displacing more than 35,000.

Sheet 2:

Type Of Structure	Earthquake / Site	Grade of Damage						
Reinforced Concrete		1-2	3	4	5	6	7	8



RBD Material Fracture

Sheet 3:

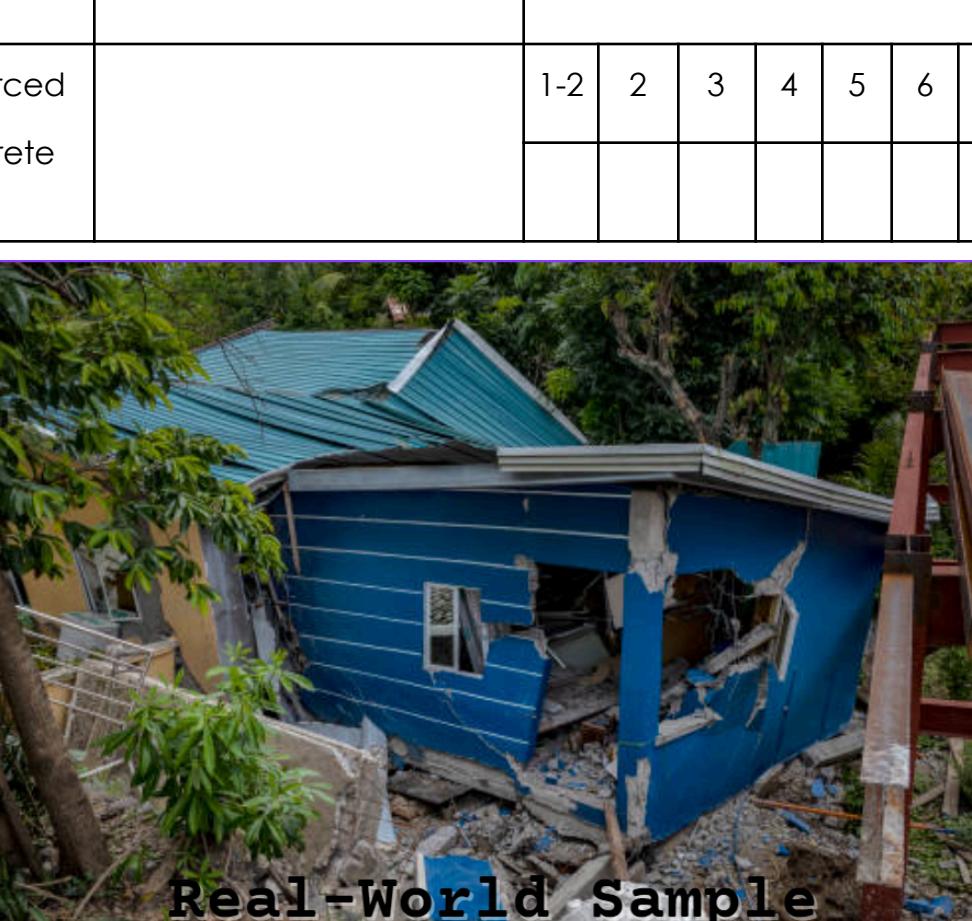
Type Of Structure	Earthquake / Site	Grade of Damage						
Reinforced Concrete		1-2	3	4	5	6	7	8



Description:

Sheet 4:

Type Of Structure	Earthquake / Site	Grade of Damage							
Reinforced Concrete		1-2	2	3	4	5	6	7	8



Real-World Sample

Sheet 5:

Type Of Structure	Earthquake / Site	Grade of Damage							
Reinforced Concrete	Damasi, Greece in March 3, 2021	1-2	2	3	4	5	6	7	8

A photograph showing a severely damaged house in Damasi, Greece. The front wall has collapsed, revealing the interior rooms. A large pile of rubble lies in the foreground, and the roof is intact.

Description: A view of a damaged house following an earthquake in the village of Damasi, in central Greece, March 3, 2021

Sheet 6:

Type Of Structure	Earthquake / Site	Grade of Damage							
Reinforced Concrete (RBD MODEL)		1-2	2	3	4	5	6	7	8

Description:

Sheet 6:

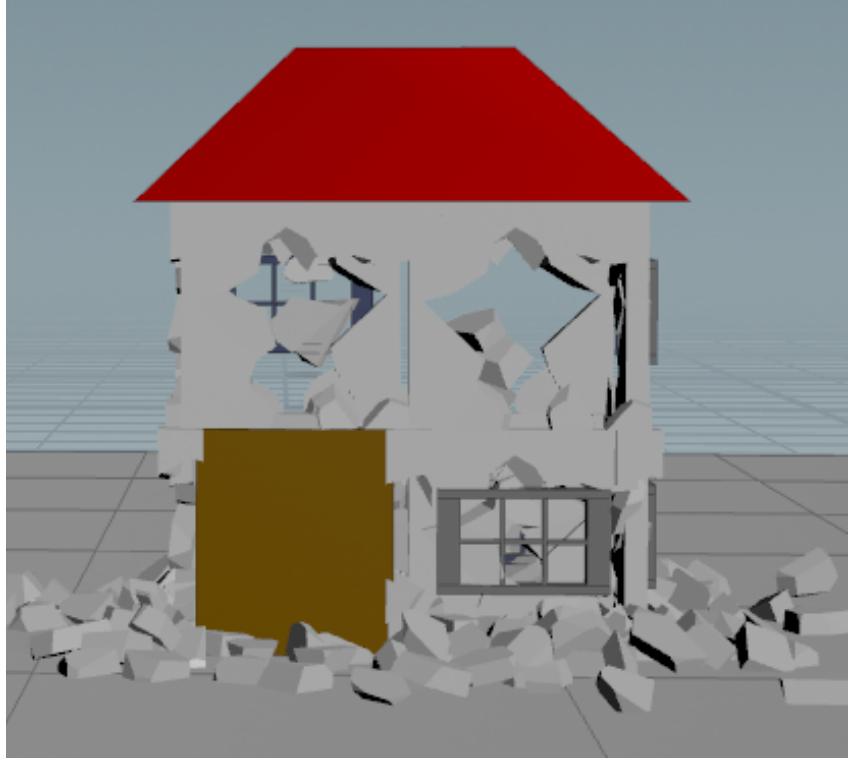
Type Of Structure	Earthquake / Site	Grade of Damage							
Reinforced Concrete	Bhaktapur, Kathmandu, Nepal in May 01, 2015	1-2	2	3	4	5	6	7	8



Description: An empty house damaged after a massive earthquake magnitude-7. 8 hit the country In Bhaktapur, Kathmandu, Nepal May 01, 2015.

Sheet 7:

Type Of Structure	Earthquake / Site	Grade of Damage							
		1-2	2	3	4	5	6	7	8
Reinforced Concrete (RBD MODEL)									



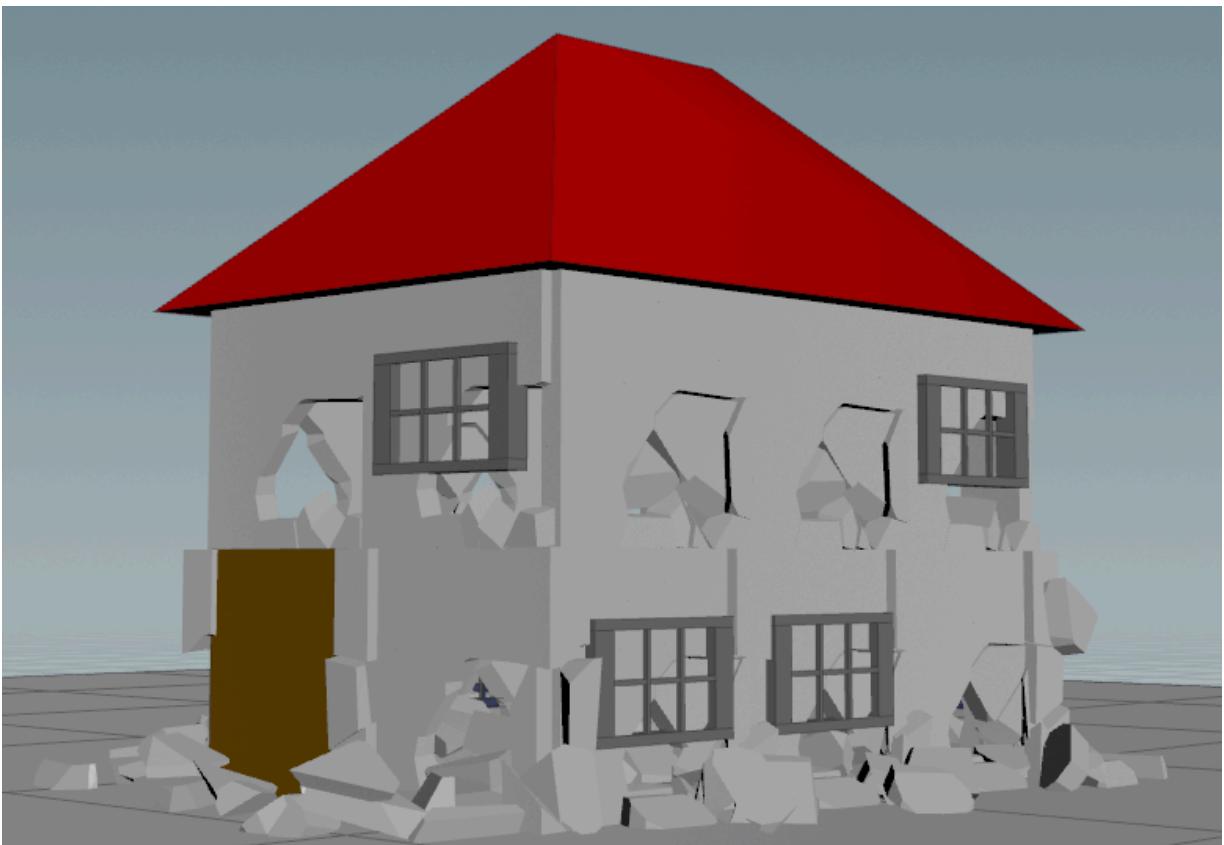
Description: Simulated Earthquake House Damage

Type Of Structure	Earthquake / Site	Grade of Damage							
Reinforced Concrete	Puerto Rico in May 2, 2020	1-2	2	3	4	5	6	7	8



Description: The quake caused damage in the city of Ponce and other southern towns on Saturday morning.

Type Of Structure	Earthquake / Site	Grade of Damage							
		1-2	2	3	4	5	6	7	8
Reinforced Concrete (RBD MODEL)									



Description: Modeling Earthquake Impact on a House

Sheet 10:

Type Of Structure	Earthquake / Site	Grade of Damage							
Reinforced Concrete	Los Angeles, USA in July 2019	1-2	2	3	4	5	6	7	8



Description: An earthquake dated on Thursday and Friday were centered 11 miles (18 kilometers) from the small desert town of Ridgecrest, about 150 miles (241 kilometers) from Los Angeles.

Sheet 12:

Type Of Structure	Earthquake / Site		Grade of Damage							
Reinforced Concrete (RBD MODEL)		1-2	2	3	4	5	6	7	8	
										
Description: Earthquake House Damage Modeling										

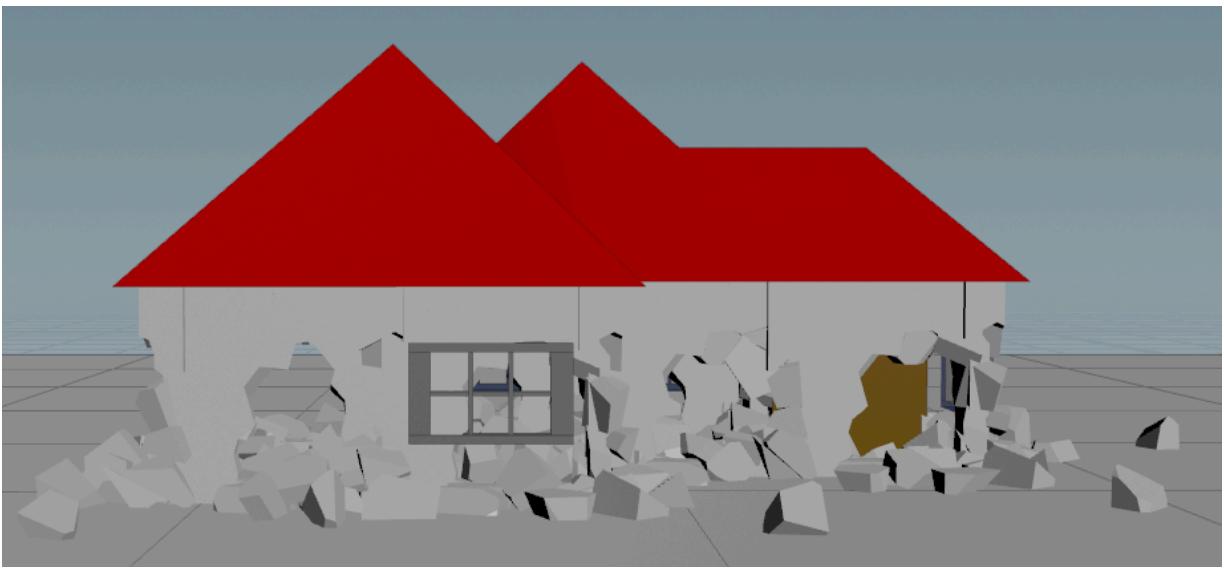
Sheet 13:

Type Of Structure	Earthquake / Site	Grade of Damage							
Reinforced Concrete	Indonesia, January 10	1-2	2	3	4	5	6	7	8

Description: An earthquake hit deep under the ocean off Indonesia and East Timor.

Sheet 14:

Type Of Structure	Earthquake / Site	Grade of Damage							
		1-2	2	3	4	5	6	7	8
Reinforced Concrete (RBD MODEL)									



Description: Simulation of Earthquake Damage House