

List of Construction Materials Required

Description	Num	Length	Quantity	Unit	Description	Num	Length	Quantity	Unit
Stone			360	Cft	Diagonal Bracing Near Door	2	7'1"	14'2"	Rft
Timber/Bamboo Elements					Diagonal Bracing Near Door	1	7'7"	7'7"	Rft
Plinth Band	3	16'	48'	Rft	Diagonal Bracing below Sill	4	6'1"	24'4"	Rft
Plinth Band	2	16'3"	32'6"	Rft	Diagonal Bracing below Sill	3	4'11"	14'9"	Rft
External Posts	8	9'	72'	Rft	Ridge Beam	1	18'	18'	Rft
Mid Posts	4	10'	40'	Rft	Rafter	8	9'	72'	Rft
Ridge Posts	4	10'8"	42'8"	Rft	Internal Batters	12	18'	216'	Rft
Sill Band	2	5'4"	10'8"	Rft	External Batters	12	18'	216'	Rft
Sill Band	3	8'1"	24'3"	Rft	GL wire			10	kg
Sill Band	1	5'9"	5'9"	Rft	CGI Sheet			2	
Sill Band	2	16'3"	32'6"	Rft	Bundle				
Lintel Band	2	15'11"	31'10"	Rft	Ridge Sheet	1	18'		Rft
Lintel Band	3	16'3"	48'9"	Rft	Nail			1	kg
Bracing	4	8'10"	35'4"	Rft	Windows			7	Num
Bracing	3	8'	24'	Rft	Doors			3	Num

List of Necessary Tools

Spade
Shovel
Pick Axe
Crow Bar
Wire Cutter
Plier
Saw
Hammer
Khukuri
Scissors
Axe
Rammer

What to Do during an Earthquake: 10 Helpful Guidelines

1. Once you feel earthquake shaking, find a safe place and perform "Drop, Cover, and Hold".
2. If you are in a place such as department store, or an exhibition hall, follow the instructions of the security guard or warden.
3. If you are at ground floor and near to exit, follow the safest and shortest route for evacuation. Be careful if the exit leads into a narrow lane which could be dangerous.
4. If you are outside, protect your head; avoid hazards like falling buildings, trees, electricity poles, bridges etc.
5. If you are in an automobile, move to the left curb and park, do not enter prohibited areas; avoid tall buildings, poles, tall trees and bridges.
6. Be careful of landslides, rock falls and impending hazards.
7. Do not panic or perform unsafe act such as rushing, jumping out of window.
8. Before evacuating, if possible turn off flames or heat sources that can cause fire.
9. As shaking stops, grab your Go Bag and then evacuate.
10. Ignore rumors, move only after receiving accurate information.

For more details



National Planning
Commission

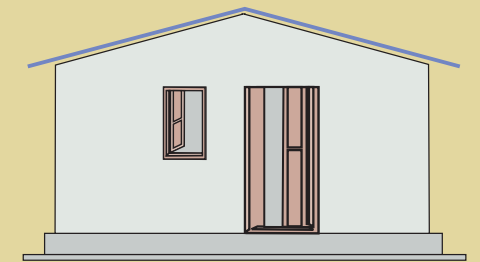
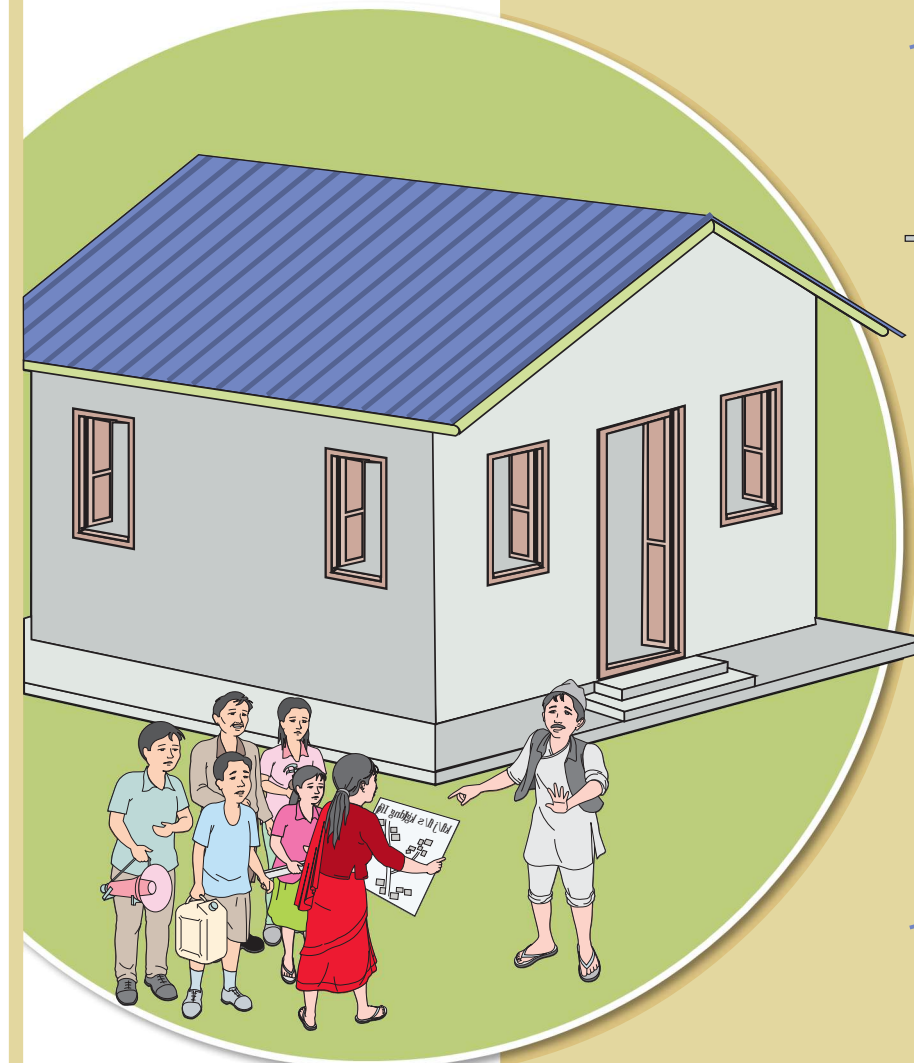


Nepal Government
Urban Development Ministry

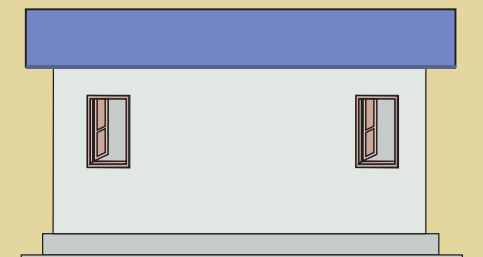


National Society for Earthquake
Technology-Nepal

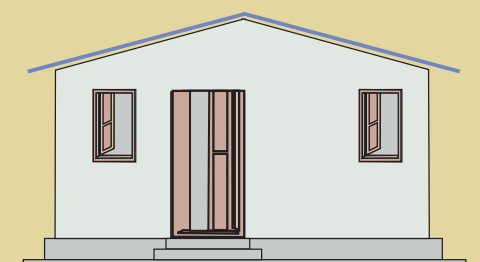
Temporary Shelter for Earthquakes Affected Area Two Spam House "Duinale Ghar"



Back Elevation



Side Elevation

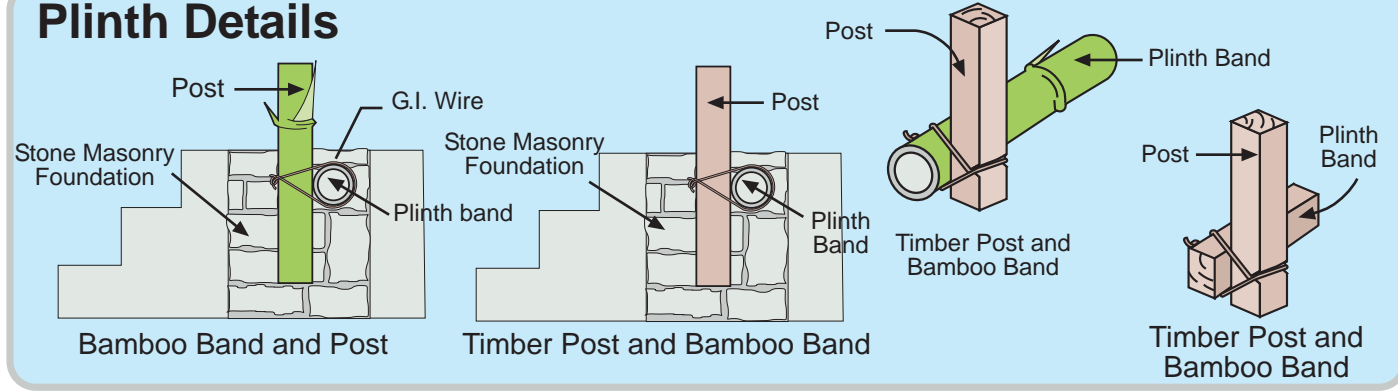


Front Elevation

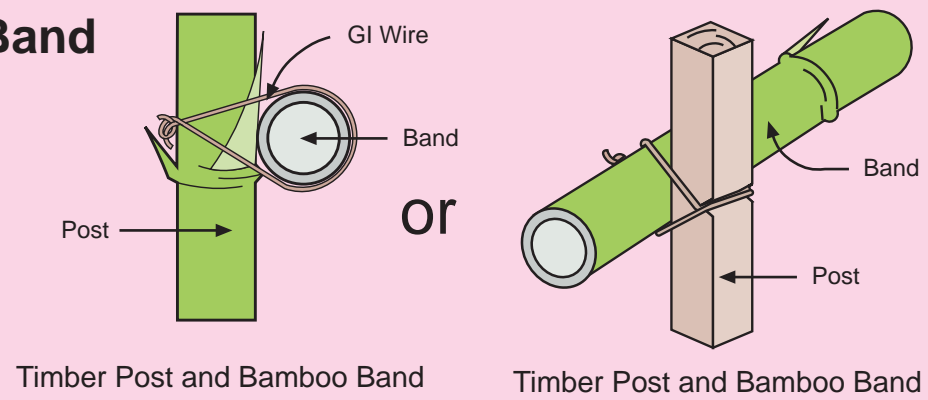
Special Features of Two Spam House "Duinale Ghar"

1. Duinale Ghar is designed to maximize the use of salvaged materials and minimize direct cash expenses. It will be constructed with masonry foundation up to plinth level, light walls on structural frames of bamboo and or timber and the roof will be covered by two bundles of Corrugated Iron Sheets.
2. The house owner can build with the help of some masons within 5 days
3. Duinale Ghar is designed to suit the living style and social value system of the earthquake affected area. The house will be able to resist heavy rain, high speed wind, earthquake and will be durable for 4 years.

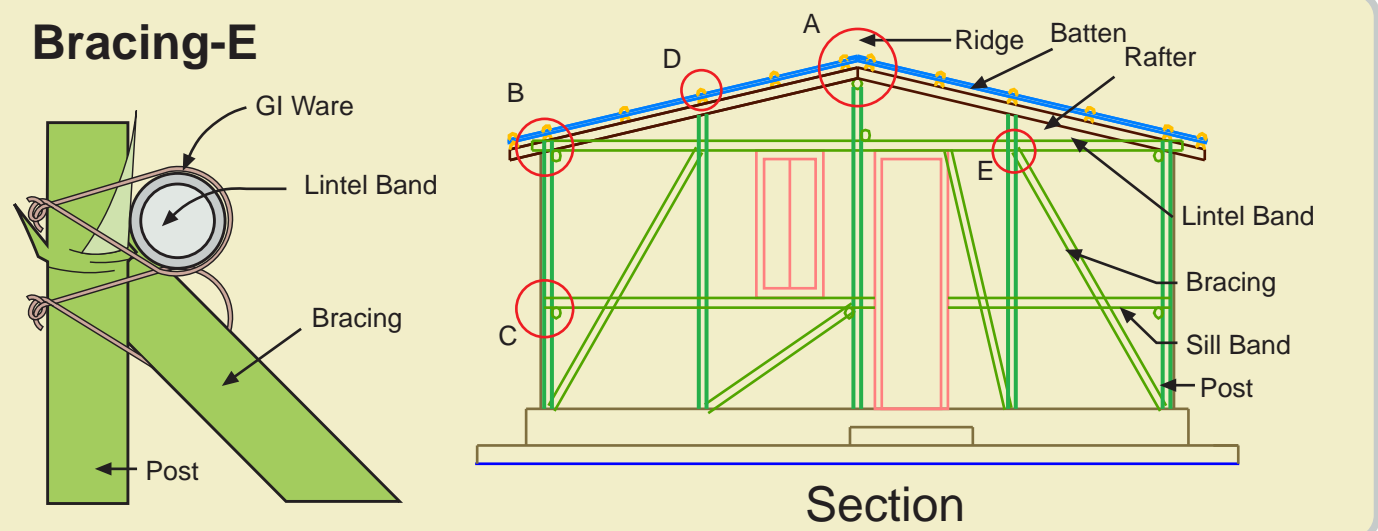
Plinth Details



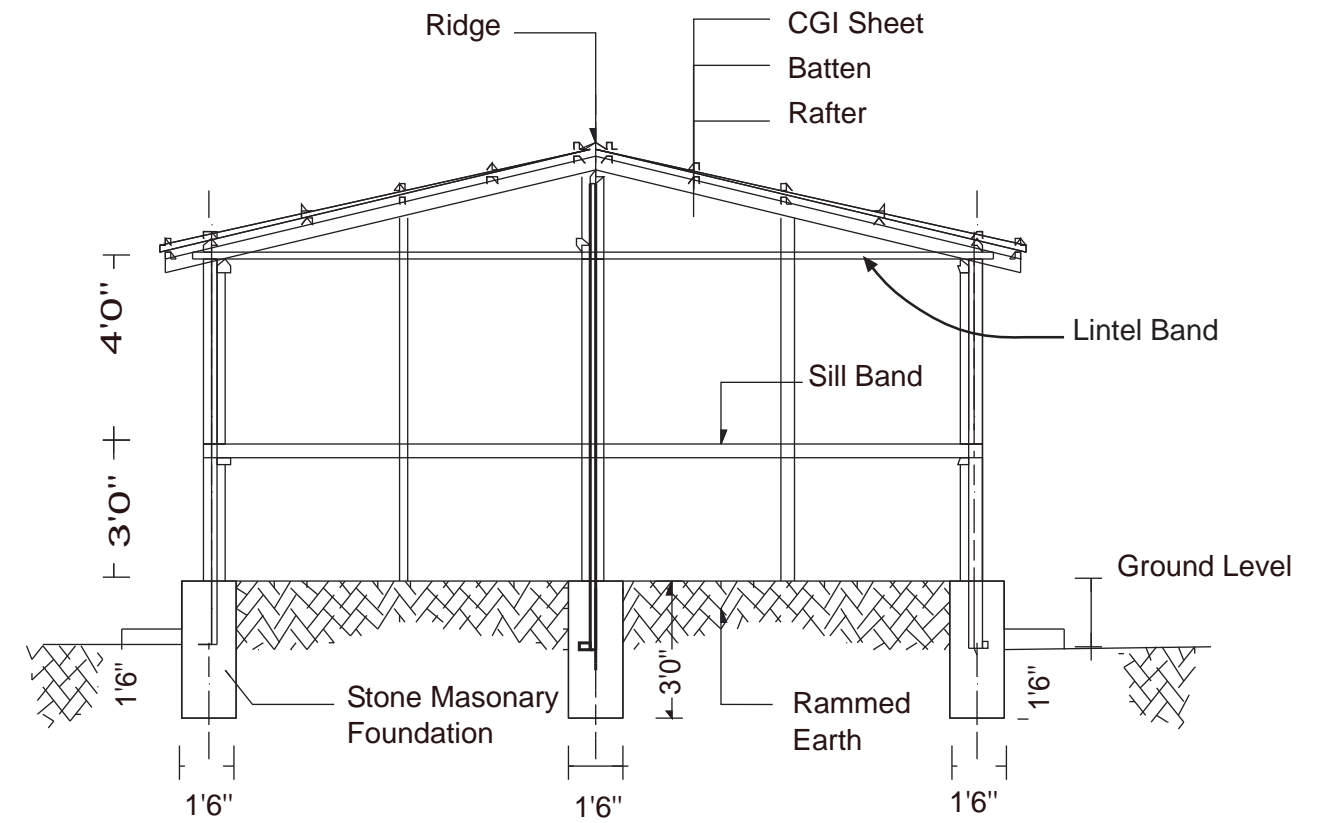
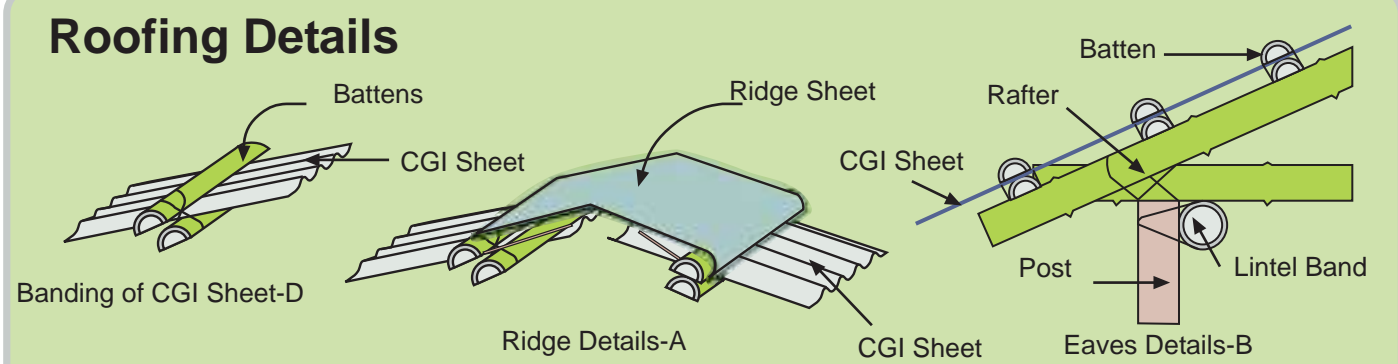
Sill and Lintel Band



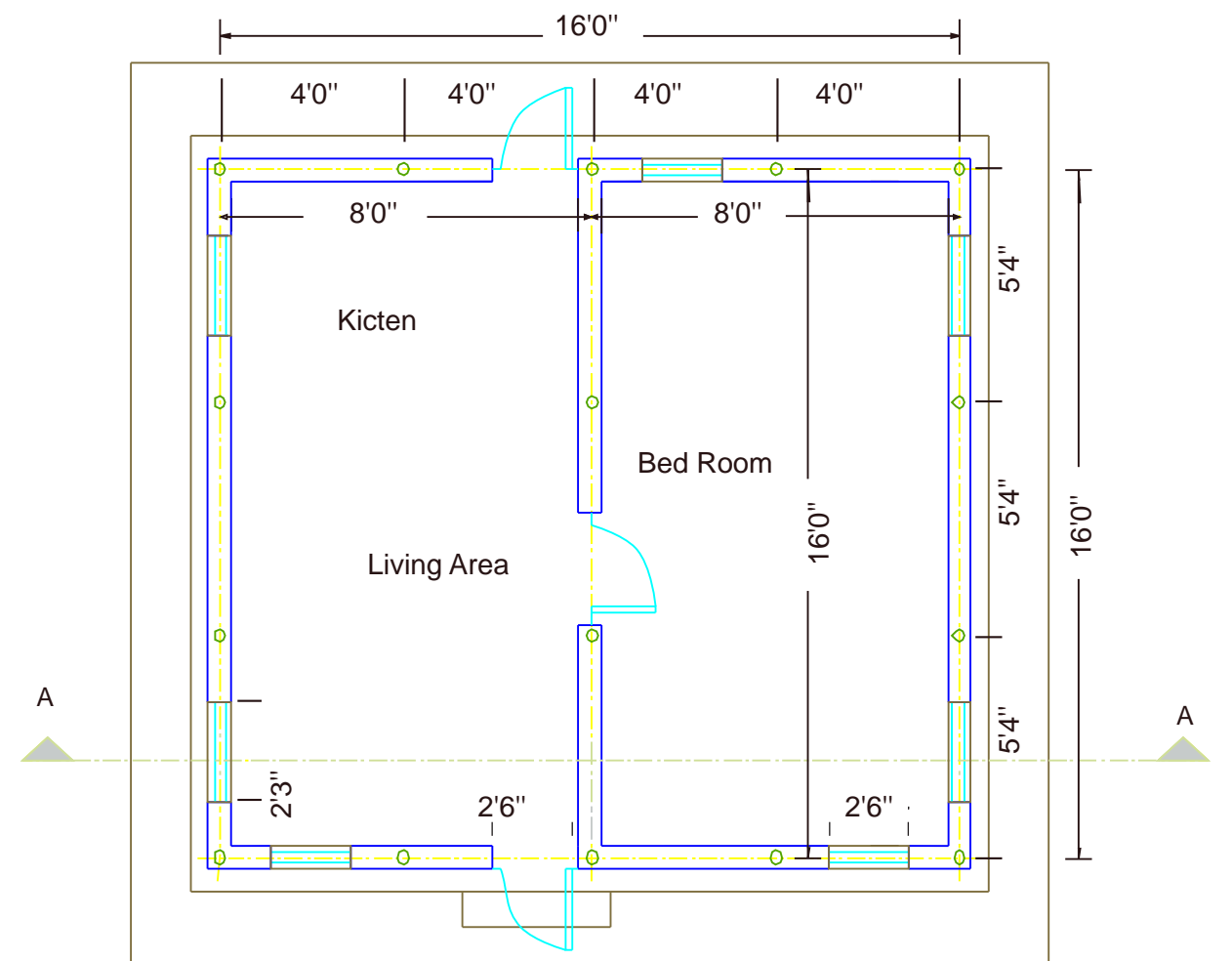
Bracing-E



Roofing Details



Section A-A



Plan