

Build your house with Interlocking Bricks



25% Less Cost



Earthquake Resistant



Approved Green Technology



Interlocking Bricks:

1800 - 2200 rs/sq ft

Cost comparison
2-room house



Fired bricks:

2300 - 2700 rs/sq ft

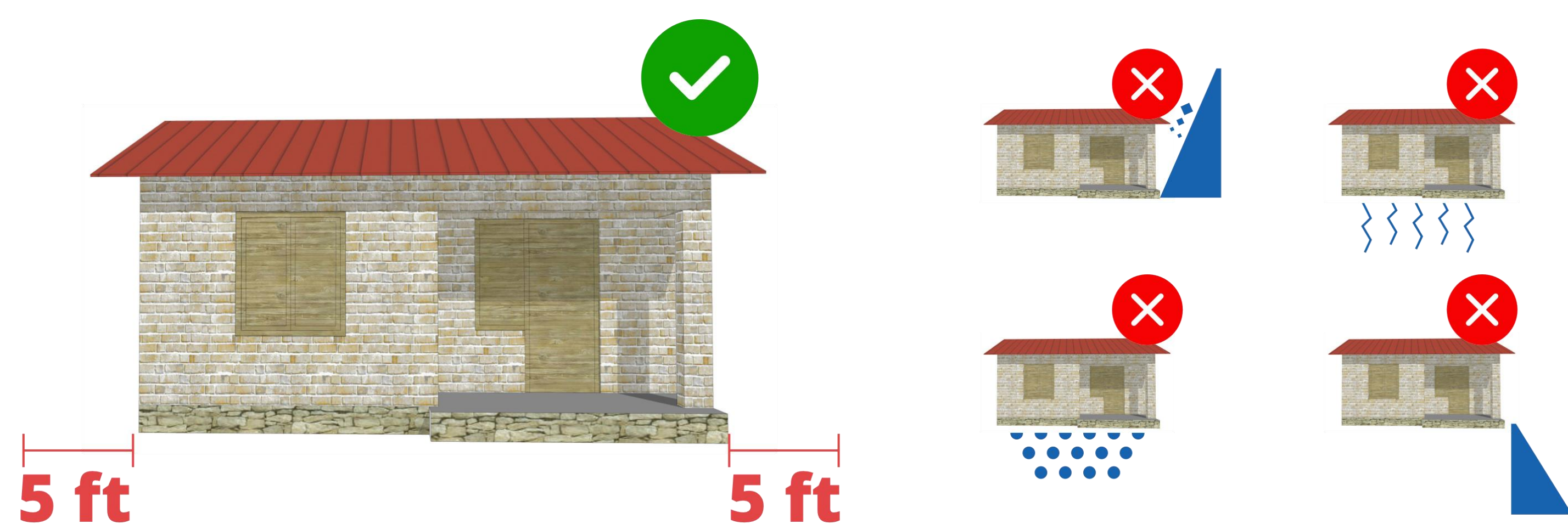
No plaster | 50% faster | High quality



Construction rules Interlocking Bricks

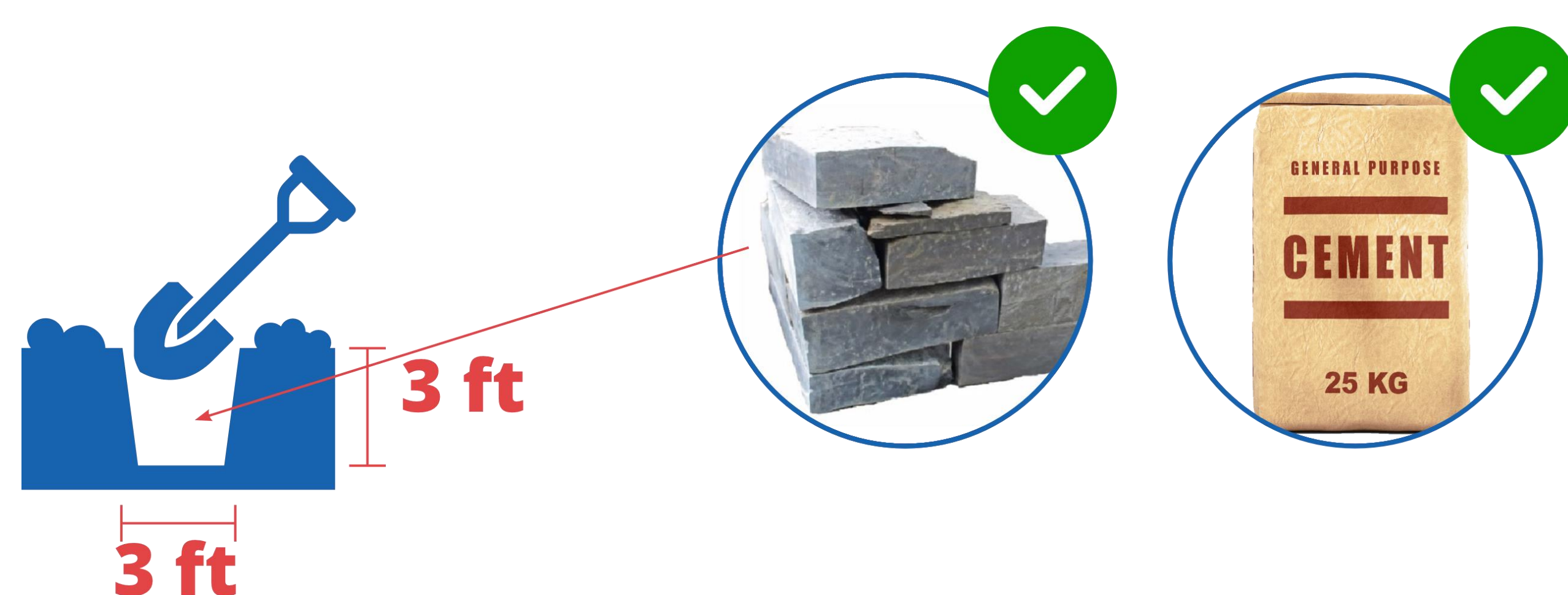
– Single story, load bearing wall design

1. Location



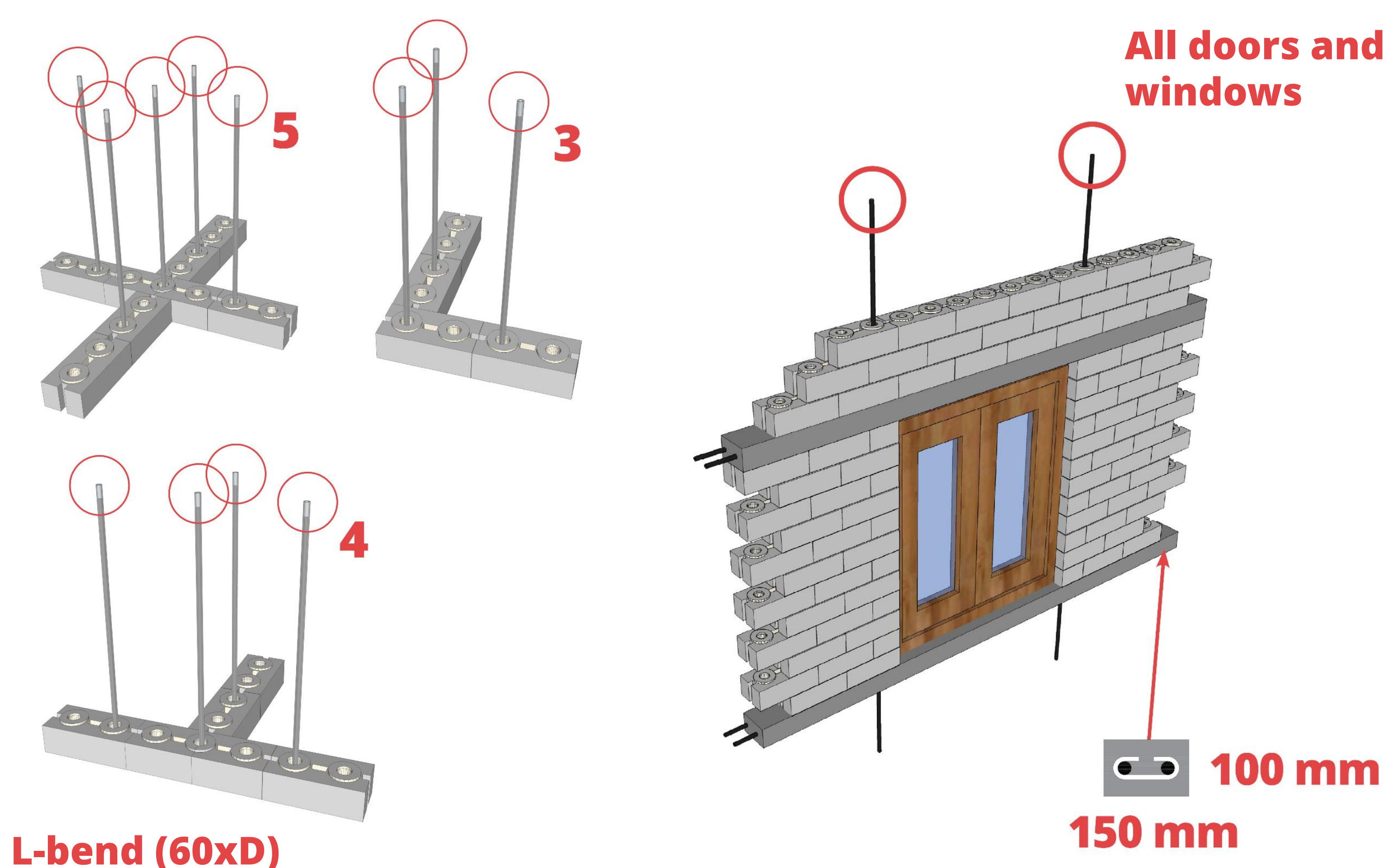
- Minimum 5 ft from a wall or edge
- Avoid building on loose soil, nearby landslide prone areas, cracks & river banks

2. Foundation



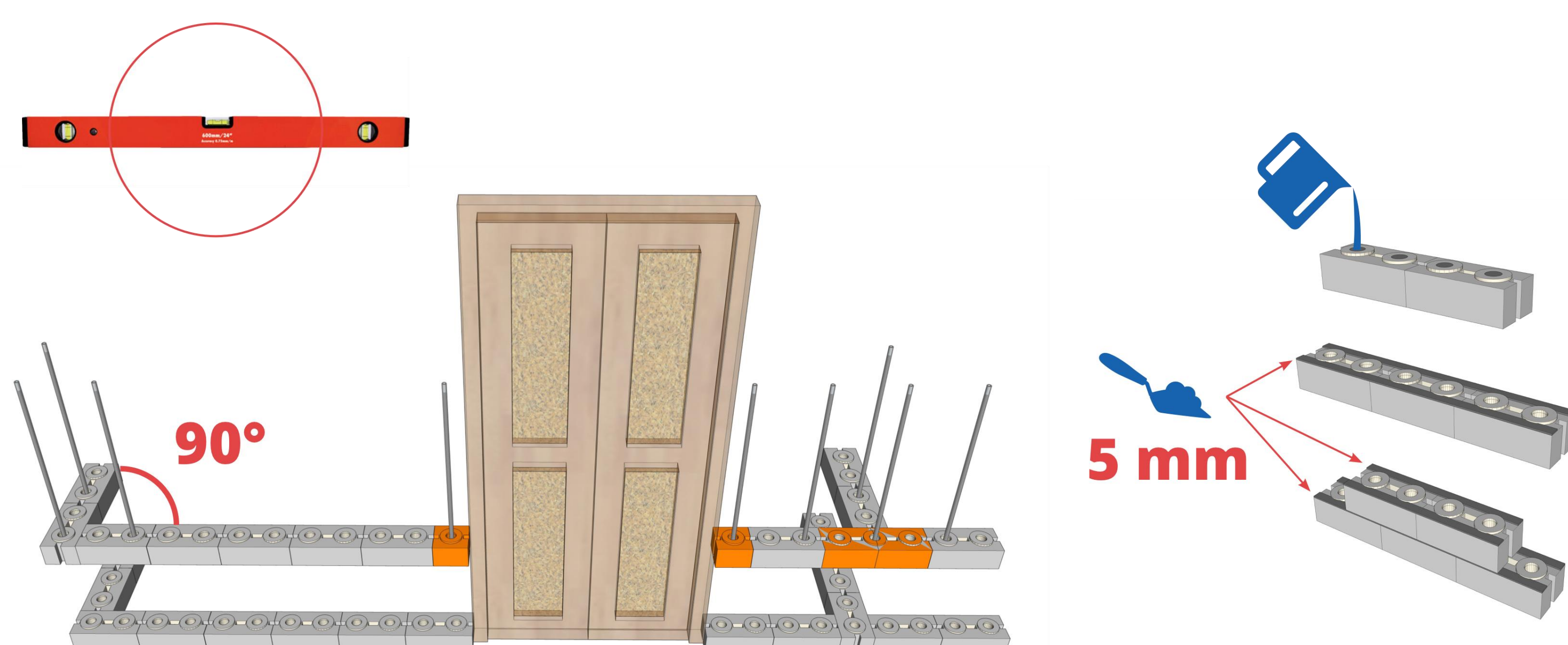
- Minimum 3 ft deep and 3 ft wide (or as per approved drawing)
- Use flat stones (No round stones)
- Use CEMENT sand mortar (No mud mortar)
- DPC band minimum 100 mm thick and 350 mm wide

3. Vertical bars & Horizontal bands



- 3 vertical bars placed in each corner, 4 in T-junction and 5 in Plus-junctions (Anchored from foundation with L-bend, 60xD)
- Vertical bars at every door/window opening and 1.2 meter of continuous wall (anchored from DPC)
- Sill, lintel and top band is minimum 100 mm thick

4. Interlocking Brick Wall



- Corners shall be 90 degrees
- 5mm of cement sand mortar between each course of bricks
- Fill all vertical holes with cement sand mortar
- Make sure bricks are level using water level pipe and spirit
- In T and Plus-Junctions use $\frac{3}{4}$ bricks on alternate layers

* To ensure quality of your house make sure to strictly follow government approved drawings and construction guidelines! This checklist only covers a few of the key steps in construction. NCF, Practical Action, Build up Nepal and DCA disclaims any liability in connection with use of this checklist.