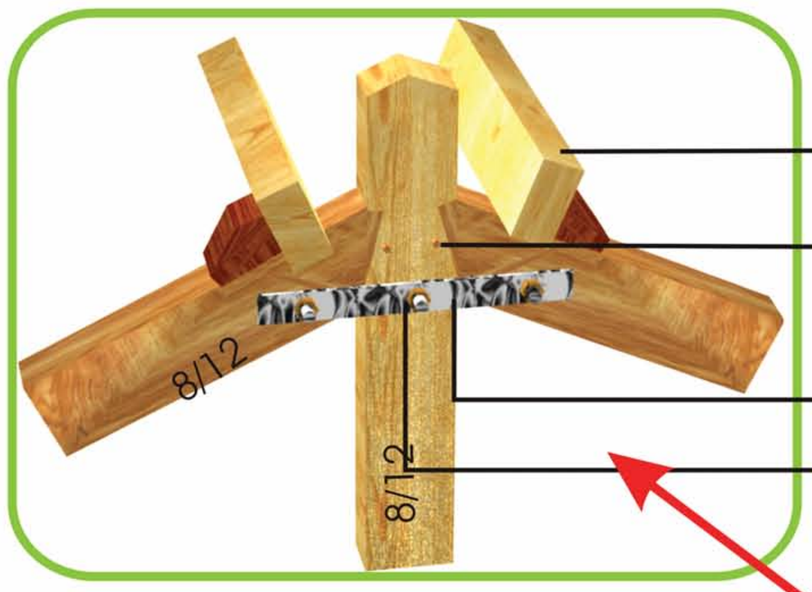
# SYARAT-SYARAT MINIMUM
# BANGUNAN PAPAN KAYU AMAN GEMPA
## DENGAN PERKUATAN KAYU

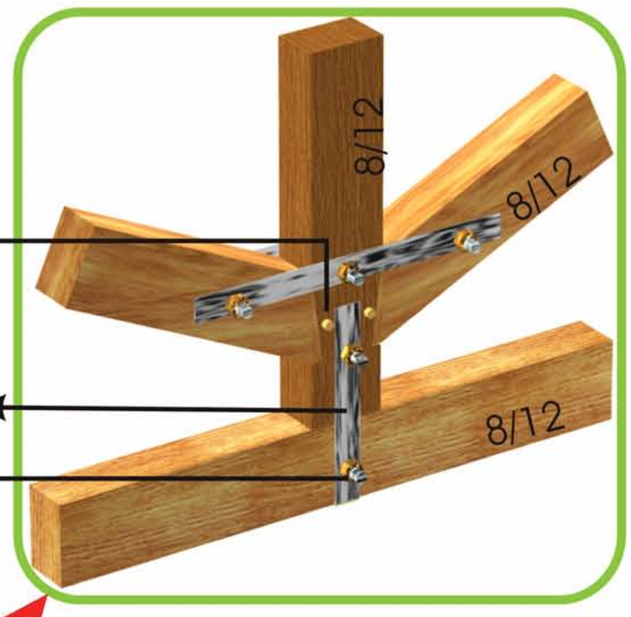



Gording 6/12 cm

Pen kayu min ϕ 10 mm

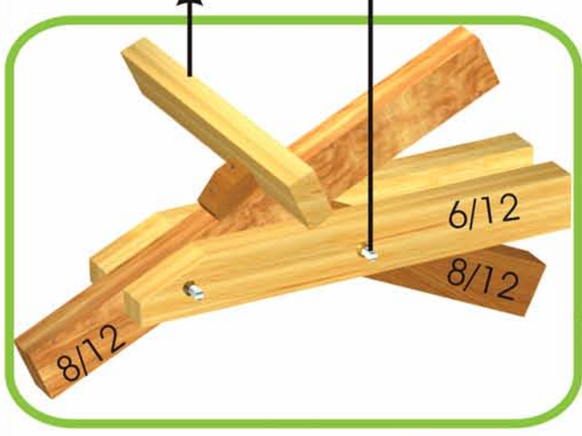
Plat baja 4.40 mm/papan 20.100 mm

Baut min ϕ 10 mm



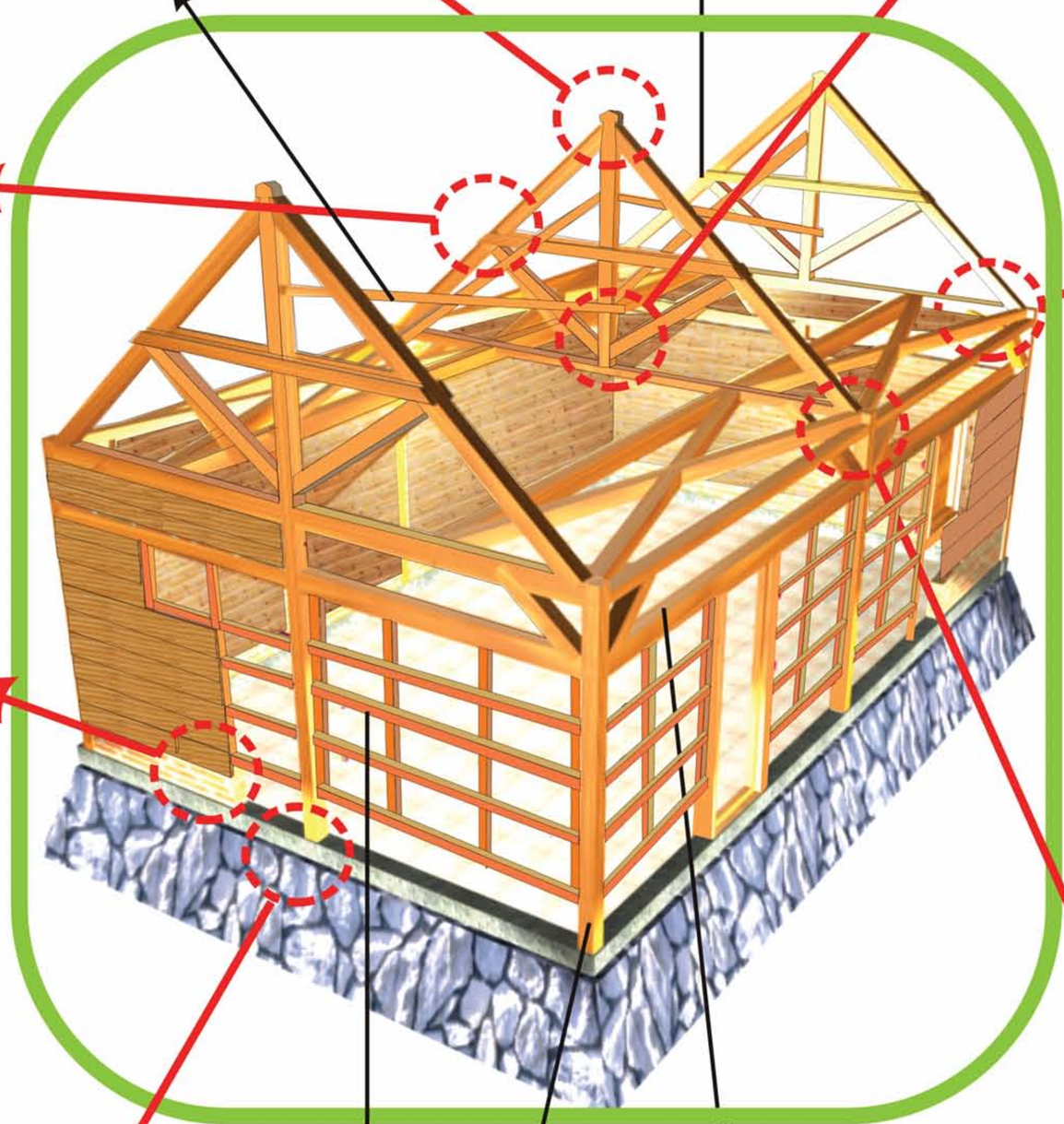

Gording 6/12 cm

Baut min 2ϕ10 mm



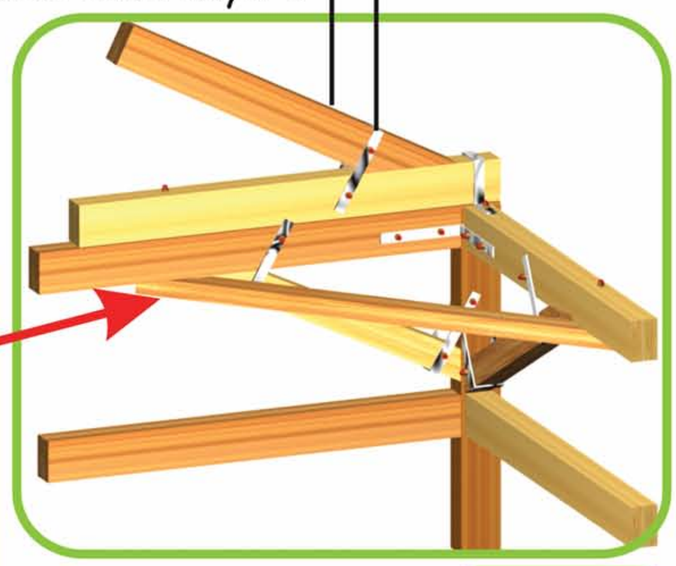

Ikatan angin 5x10 cm

Kuda-kuda kayu



Baut ϕ 10 mm & plat baja 4.40 mm

Kuda-kuda kayu



Rangka dinding memanjang 5x7 cm

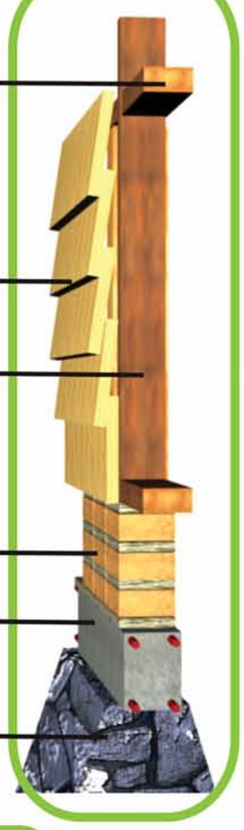
Papan kayu 3x28 cm

Rangka dinding tegak 5x7 cm

Pasangan bata 30 cm

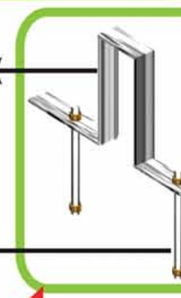
Balok pondasi 15x20cm

Pondasi batu kali belah



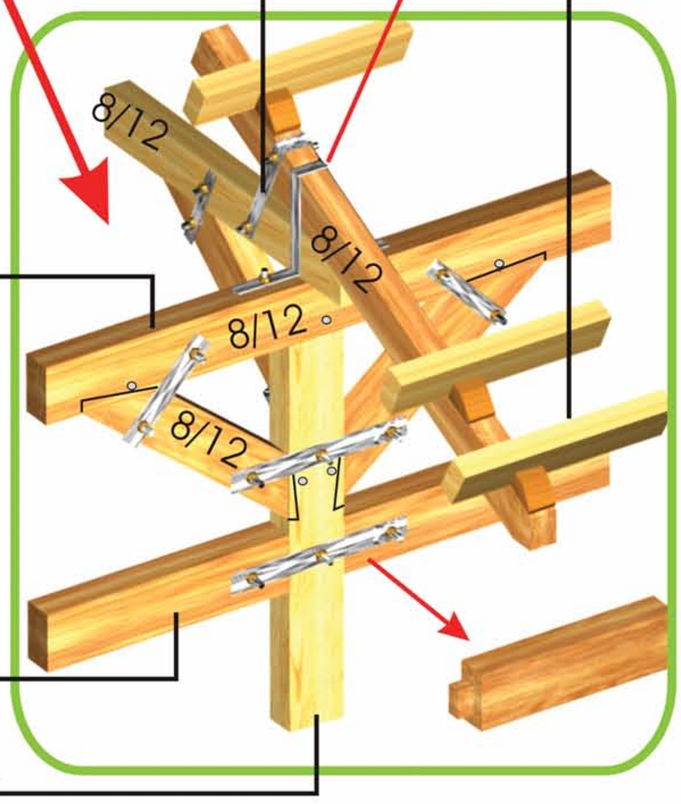
Plat baja U 4.40 mm

Jangkar ϕ 10 mm

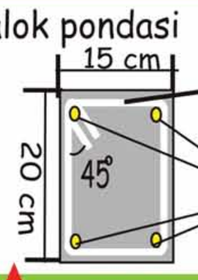


Baut ϕ 10 mm & plat baja 4.40 mm

Gording 6/12 cm




Balok pondasi




Sengkang min ϕ 8mm jarak < 15 cm

Tulangan min ϕ 10 mm

Kolom kayu 12X12 cm

Balok lintel diatas kusen

Rangka dinding 5x7 cm

Pasangan bata

Rangka dinding 5x7 cm

Papan 3x28 cm

Baut 2ϕ10mm

Plat baja u 4.40 mm

Pedestal >10 cm

Jangkar ϕ10 mm pjg >40 cm

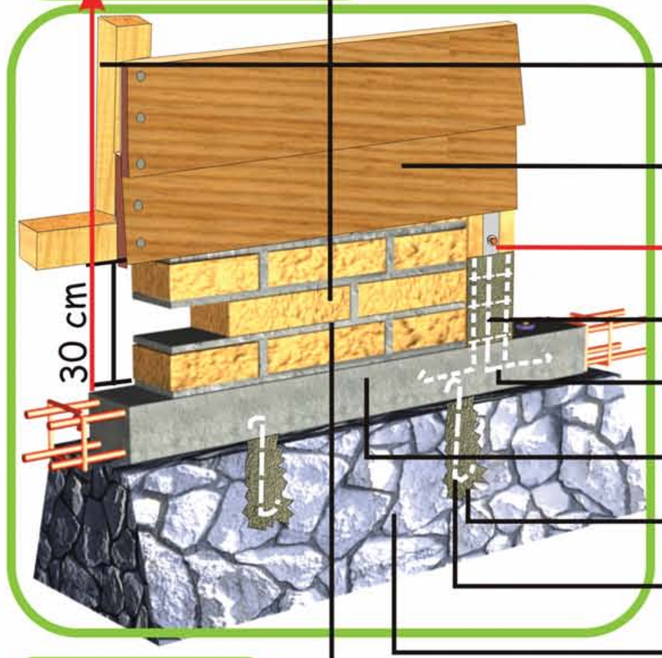
Balok beton bertulang 15 x20 cm

Adukan beton

Jangkar ϕ 10 mm tiap 1 m

Pondasi batu kali belah

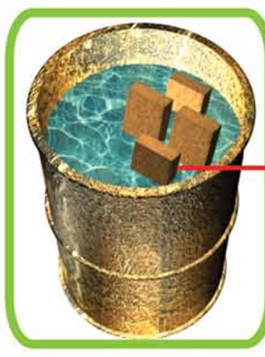
Spesi bata 0,8-1,5 cm




Balok kayu

Balok lintel

Kolom kayu 12X12 cm



Bata/batako direndam sampai jenuh sebelum dipasang

Perhatikan:1. Mutu bahan bangunan
2. Detail sambungan
3. Mutu pengerjaan
4. Kayu harus di anti rayap

Gradasi kerikil harus sesuai untuk beton bermutu. Jumlah air tidak boleh berlebihan.

### Campuran Adukan Spesi:

1 PC(semen) 4 Pasir

Diaduk hingga rata, tambah air secukupnya

### Campuran Adukan Beton :

1 PC(semen) 2 Pasir 3 kerikil

Kekuatan minimum 150 kg/cm²

Grafics by Agung/POSTER 28 Apr 06


DIBUAT OLEH: Teddy Boen & Rekan

WSSI World Seismic Safety Initiative

DIPRODUKSI DENGAN DUKUNGAN DARI: AUSTRALIA-INDONESIA FACILITY FOR DISASTER REDUCTION; BADAN NASIONAL PENANGGULANGAN BENCANA BNPB

BEKERJASAMA DENGAN: SUMATERA BARAT; IDEP