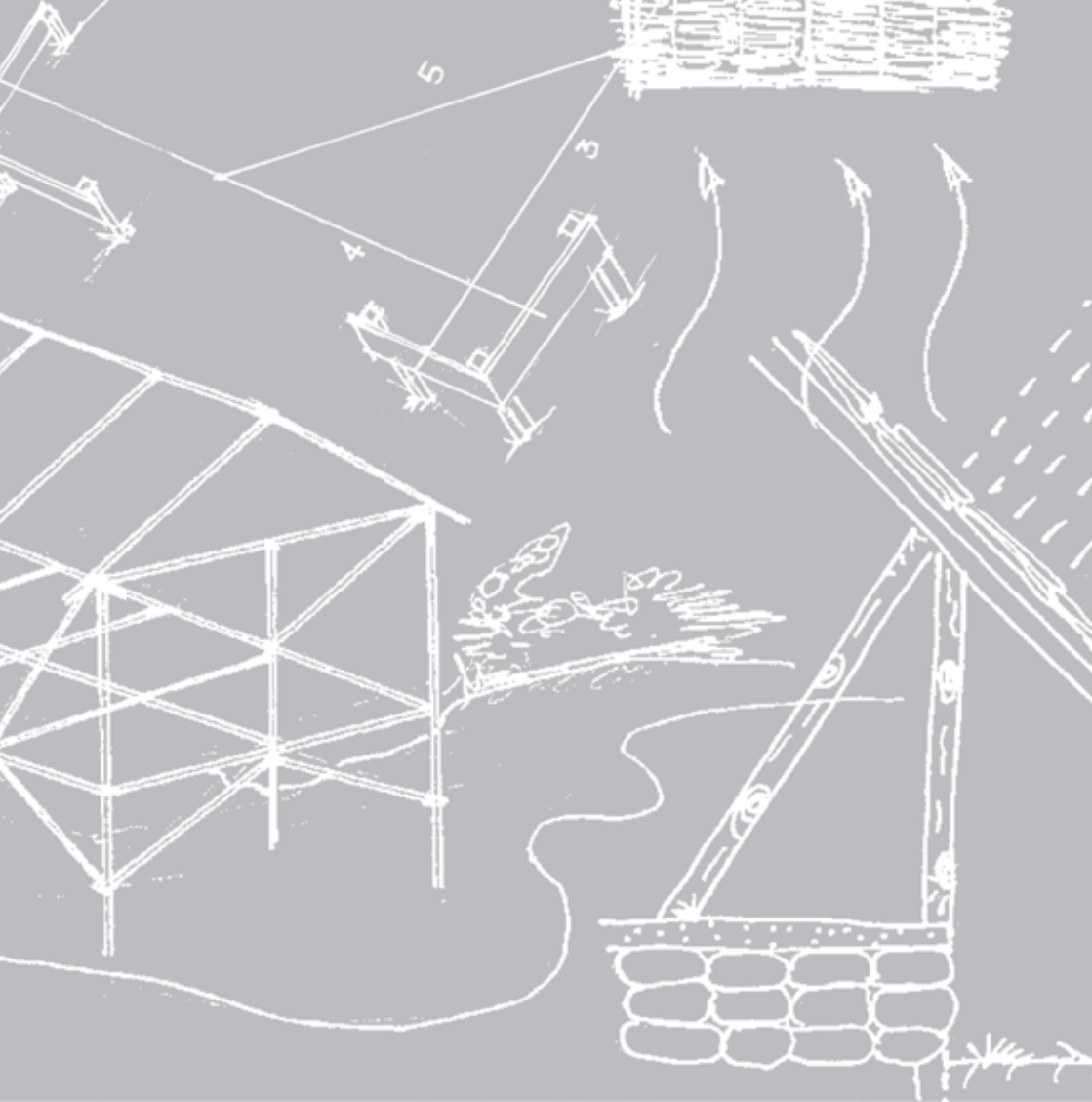


BESIK KONSTRAKSEN HANBUK

blong bildim wan sef Selta – 2013





Hanbuk ia emi develop anta long Vanuatu Red Cross Society
wetem sapot blong French Red Cross long yia 2013

Fan blong em emi kam long USAID (OFDA)



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Selta han buk

Introdaksen

Hanbuk ia i kivim sam besik informesem long ol gud fala praktis. Pepos blong emi olsem wan gaed laen blong ol skil woka insaed long komunity blong yu. Insaed long Hanbuk ia bae yumi luk hao blong posisenem selta blong yu long wan ris-ki environmen, samfala simpol teknic we yu save mekem long ol remot or rural eria we i save elpem developem ol kapasiti blong ol skil mo non – skil woka long komunity. Konten blong Hanbuk ia bae hemi yusful long ol komunitas, oli save yusum blong mekem ol smol trening blong elpem redusum namba blong ol disasta we i involve long wan selta long taem blong saeklon mo samfala olsem flad.

Yu mi mas save se buk ia i no stap taketem ol profesonal konstraksen woka be i save elp blong pasem wan impoten info-mesen long olgeta we i kat fulap skil finis blong save gaedem ol narafala wan long komunity wok. Hanbuk ia i save yusful long ol Red Cross Field woka we oli stap karem aot wan wok long saet blong selta, mo even lo wota projek, we i no expectem blong kat expetis long ridim ol teknical infomesen be i save antastanem wanem i stap long buk ia.

Long buk ia mifala i stap adresem samfala konstraksen metod tu we bae i elpem ol woka blong save aedentifaem olgeta metod blong konstraksen taem eria blong yu i stap long wan saeklon or disasta prone eria.

1. Posisen blong Selta

1.1 Eria blong Saeklon

Vanuatu emi expos long samfala disasta we i save putum selta long wan kritikol situesen long taem blong wan disasta. Hanbuk ia i providem yu wetem wan rural developmen gaed blong yu save adoptem bifo yu statem bildim selta long eria blong yu. Folem olgeta 4 steps ia:

Step 1 Jekem sipos graon blong yu i no stap long wan flad ples tumas. Kwaledi blong graon i no sanbis o sopmat tumas.

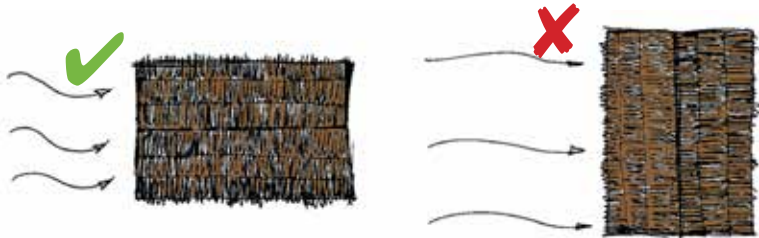


Step 2

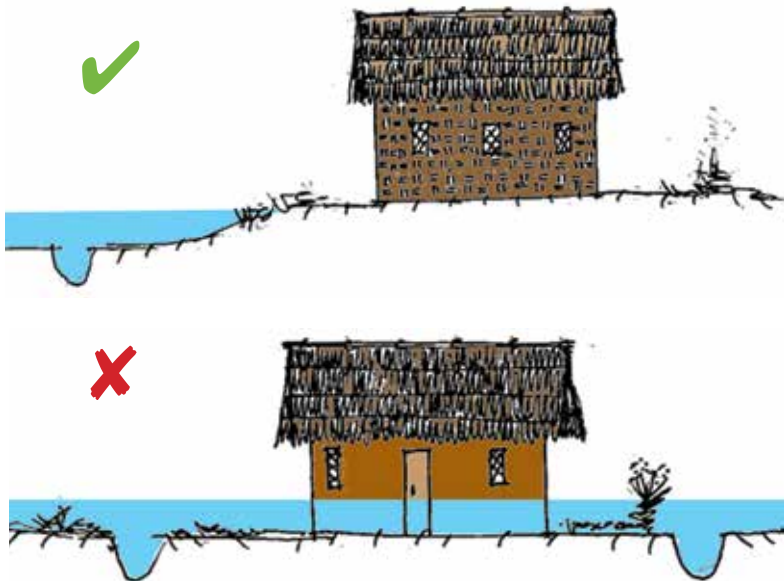
Selta blong yu i mas stap 10 mita aot long ol tri we i save spoilem ruf blong yu



Step 3 Putum sot saed blong selta i fesem win, blong win i save pas mo isi. Taem longfala saed i fesem win, emi kat mo janis blong win i save distroem. (Luk pikja antanit).

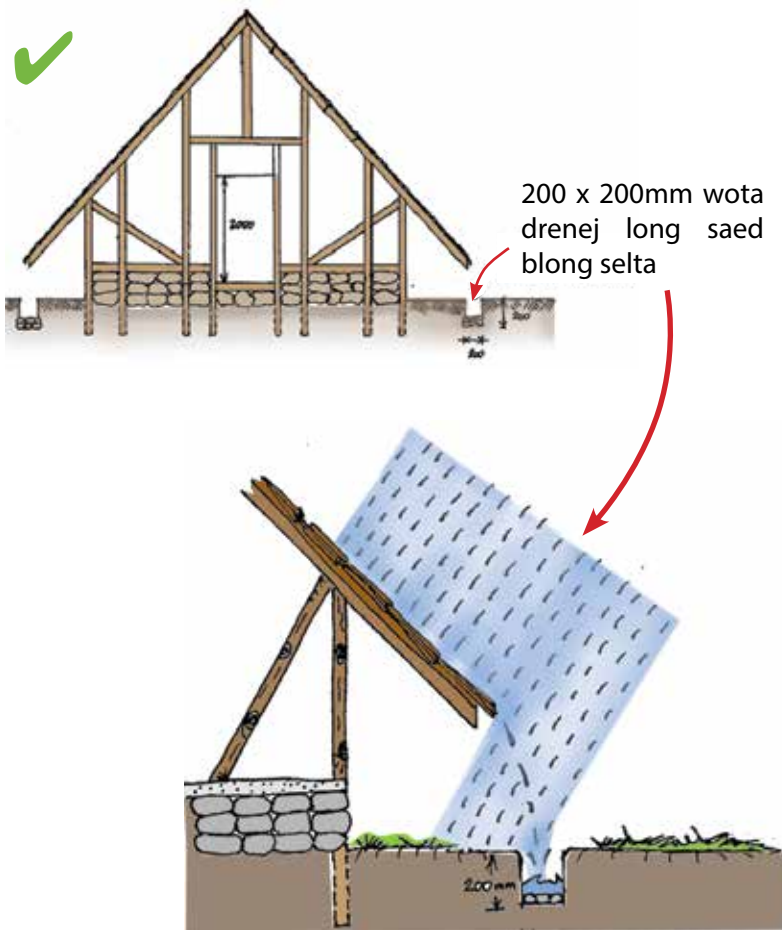


Step 4: No bild kolosap long ples we komuniti i digim bigfala drenej mo long ol graon level we i flat tumas. Sipos selta blong yu i stap klosap tumas long bigfala drenej bae wota i save flad.



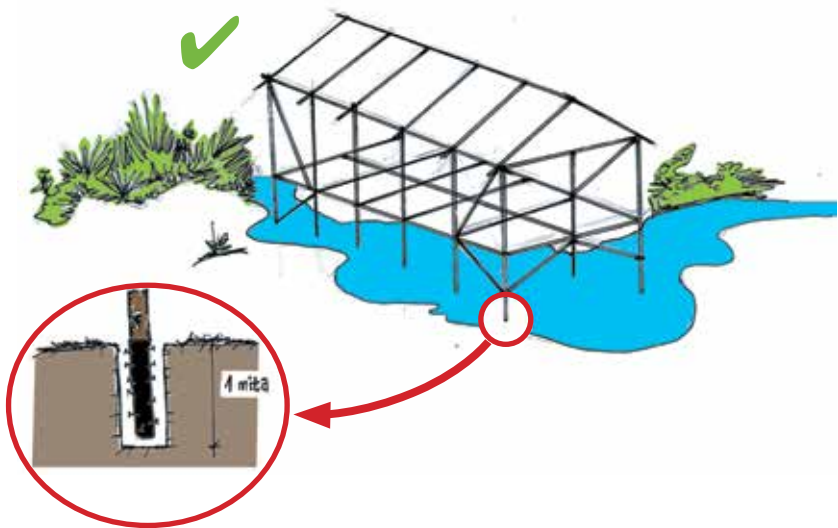
1.2 Drenej

Mas digim drenej long saed blong selta blong yu. Drenej blong 200mm waed mo 200mm dip blong kolektem ol wota we bae i save fulap kolosap long selta mo karem i ko long wan garen o bush. Drenej i passem aot wota kwik taem, long ol ples we i kat fulap flading long hem.

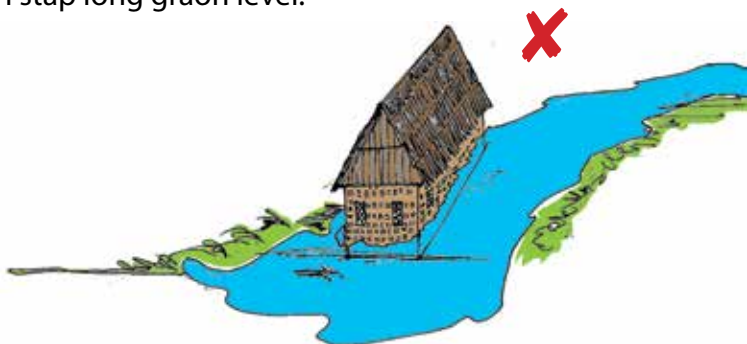


1.3 Flading

- Floa strakja i mas stap at lis 1mita hae long graon.
- Futing i mas kasem 1 mita dip insaed long graon.



Emi wan bad praktis blong konstraksen sipos eria blong yu i stap kat fulap flading, i no sef blong floa blong Selta blong yu i stap long graon level.



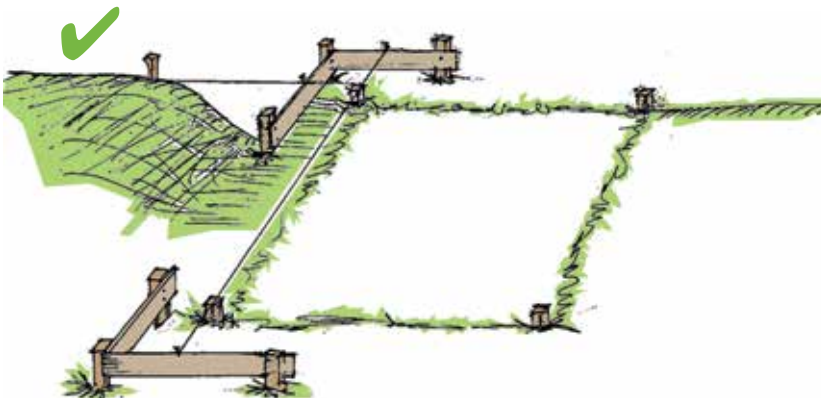
2. Makem Selta

2.1 Biling Profael

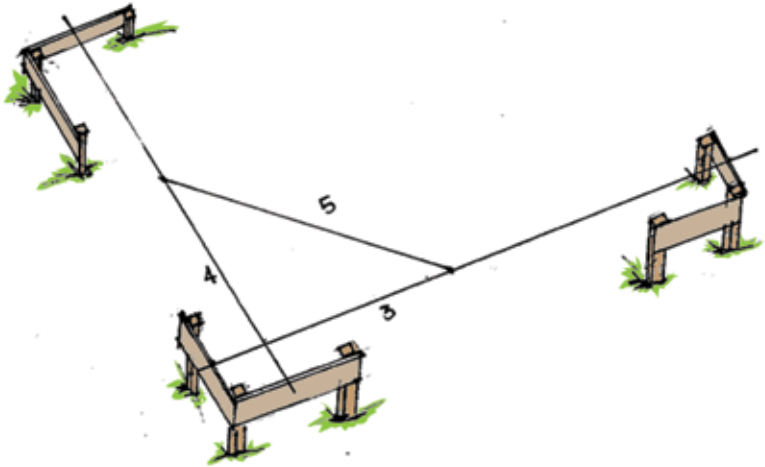
Step 1: Makem festaem mesemen blong selta, afta putum peg long kona long mak blong selta blong yu .



Step 2: Karem poin long wan graon sefes we i hae mo kolosap long selta profael blong yu. Yusum string mo level, blong transferem refrens mak ia i ko long profael wud blong yu. Afta yu makem refrens mak blong yu long wud. Makem hait blong finis flo level mo hemia nao bae givim yu level blong nilim wud we i kros.



Step 3: Yusum wan string laen mo makem 3 mita long wan saet. Narasaet 4 mita, mo blong joinem tufala mak ia i mas kasem 5 mita, emi minim se selta we i set ap i skwea gud.



3. Konkrit kwaliti

3.1 Sevem Sanbis



Wota projek Mota Lava Vanuatu 2013
Kapsen: Fred Kalkaua - VRCS Ofisa

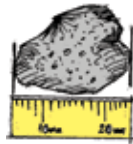
- Sevem klin sanbis mo livim i drae gut bifo yusum
- Wasem wetem wota blong tekem aot sol long sanbis
- Mekem sua se sanbis i fri long toti ston o korel bifo yusum long konkrit

3.2 Klinim Korel



Wota projek Mota Lava Vanuatu 2013
Kapsen: Fred Kalkaua - VRCS Ofisa

- Selektem gudfala saes blong korel (10-20 mm) i ko long wan ples redi blong yusum



- Storem aot long ol tri blong avoitem toti lif
 - Wasem sol wota aot long korel sipos yu karem long sol wota bifo yusum.
-

3.3 Miks blong Konkrit (1 : 2 : 4)

Miks blong konkrit we yu save yusum long wan wok olsem ;

- Floa blong Selta
- Bim
- Kolom
- Faondesens



Not: Yusum 10 lita baket blong mekem miks blong yu.

IMPOTEN NOT :

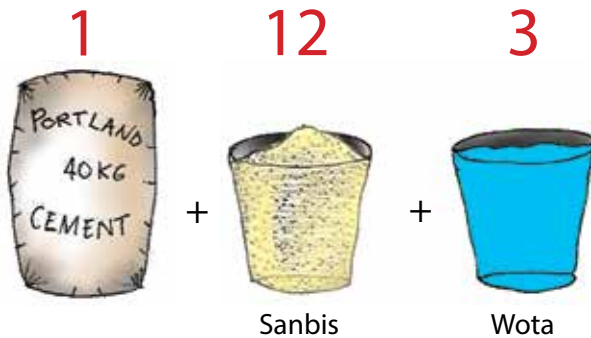
Yusum wota blong spreit antap long konkrit afta long wan poring. Mekem semak praktis olsem blong minimam seven deis. Konkrit i tekem maksimum 28 deis blong kasem ful strength blong em we i 25mpa

3.4 Miks blong Blok mo Mota (1 : 3)

I kat tu miks we yu save yusum blong moltem blok mo mota, emia long komuniti blong yu o blong wan selta we yu stap plan blong bildim.

Yu yusum miks we i stap antanit blong mekem:

- Blok
- Plasta



Not: Yusum 10 lita baket blong mekem miks blong yu.

IMPOTEN NOT :

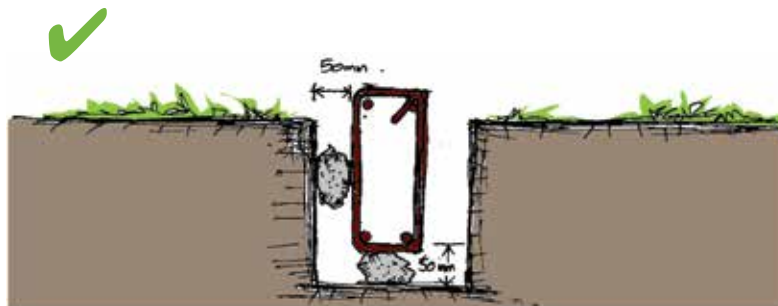
Emi rili impoten blong mentenem wota spreif afta we yu miksim blok blong yu long wan drae eria mo i mas stap antanit long wan shet . Emi blong avoidem blok i KRAK.



4. “Kova” spes blong stil mo konkrit

Taem yu wok wetem konkrit long ol aelands blong yumi, yumi mas konsidarem se ol vileges blong yumi i stap kolosap tumas long sol-wota.

So wanem we oli kolem “kova”long wok blong konkrit emi stap ripresentem wan fala tiknes bitwin konkrit mo stil waea, olsem we i stap long pikja antanit. Maximam spes we kova ia i allowem emi 40-50mm. Sipos yu givim wan spes blong 20mm bai stil waea insaed long konkrit blong yu i save rast mo brokem konkrit.



IMPOTEN NOT:

- Rispektem 50 mm oltaim bitwin Konkrit mo Stil
- Stil i no mas sitaon long graon taem yu stap porem konkrit

Pikja i stap givim yu problem, sipos yu “NO” rispektem kova blong 50mm ia.

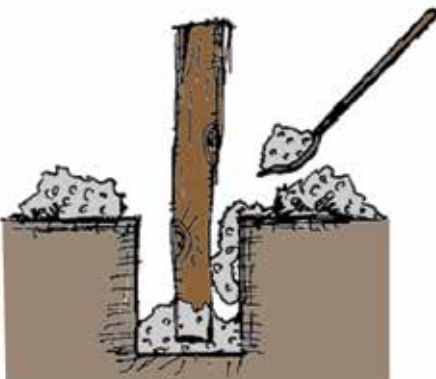
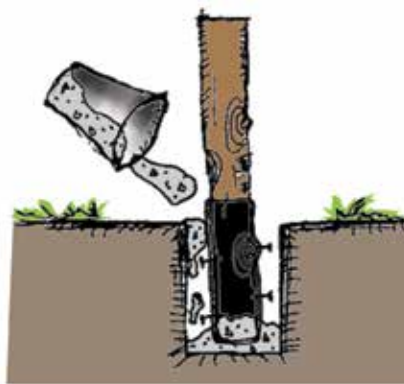


Helt Senta Mota Lava Vanuatu 2013 - Kapsen: Fred Kalkaua VRCS Ofisa

5. Pos blong Wud

5.1. Ankorem wetem simen

Mas kavremap pos wetem plastik, saet we i ko insaed long graon. Yusum nel blong ankorem pos blong yu insaed long graon taem yu putum pos, (luk pikja antanit) afta fulumap wetem simen. Sipos yu no rispektem gud praktis ia, simen bai save spolem pos blong yu.

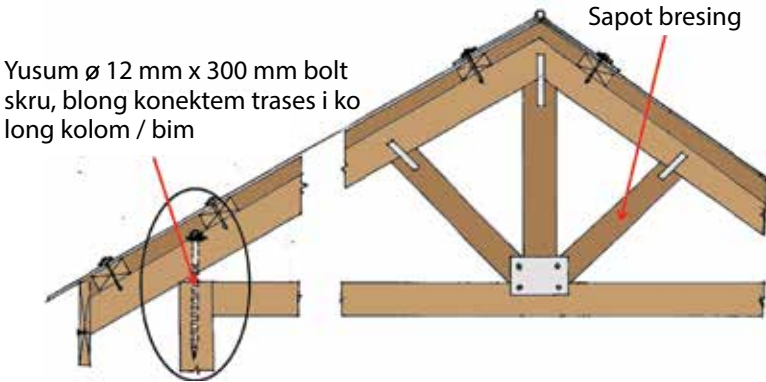




6. Kapentry

6.1. Trases

Step 1. Konektem pelin wetem saeklon strap i ko long rafta. Yusum bolts mo nats sipos i kat blong konektem tras i ko long bim. (Lukim pikja antanit)



Yusum \varnothing 12 mm x 300 mm bolt skru, blong konektem trases i ko long kolom / bim

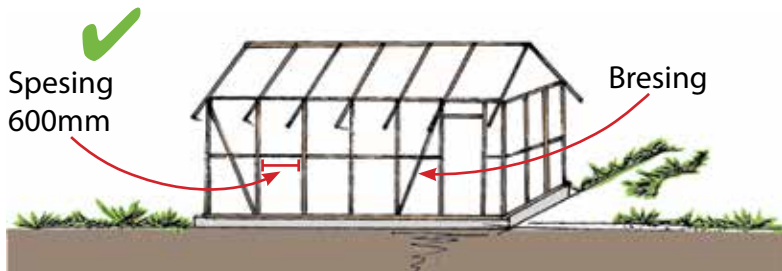
Step 2. Spesing blong ol pelin i mas stap long 600mm. Spesing bit-win ol trases i no mas ko ova long 2m.



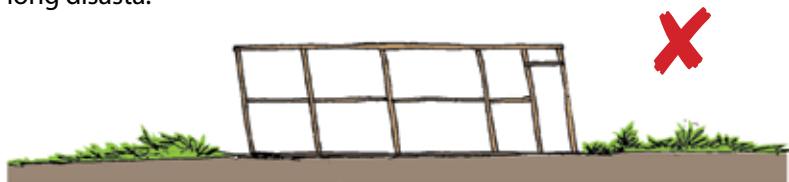
Trases no mas pitim 2 mita waed

6.2. Woling

Spesing bitwin ol pos i mas stap long 600 mm. Long en blong ol wol pos i MAS kat ol bresing blong mekem wol blong yu i strong. (luk long ilastresen)

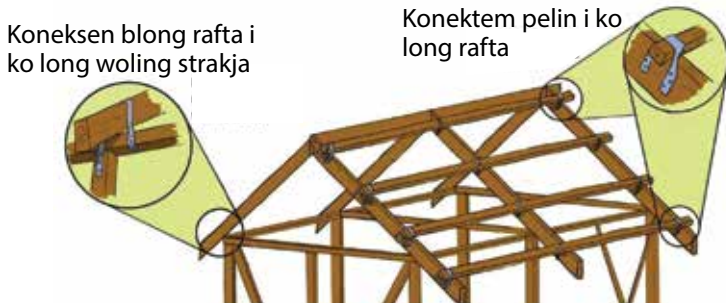


Emi no wan gud praktis blong spes i bigwan tumas mo no stap long wan standed. I no kat bresing long ol en blong wol bai wol i no sef long disasta.



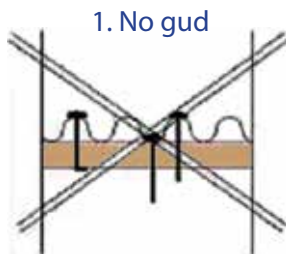
6.3. Koneksen

Pikja ia we i stap antanit, emi explenem hao blong yusum saeklon strap blong konektem pelin i ko long rafta mo rafta i ko long woling strakja.

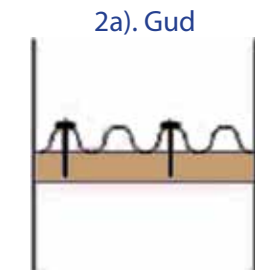


7. Fiksim Ruf

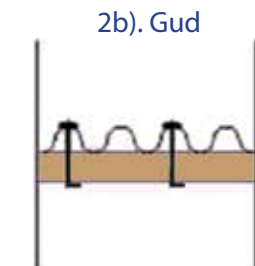
7.1 Hao blong yusum nel



1. No yusum nel long ples we i no kat hil. Praktis ia bai i mekem lik long ruf blong yu.



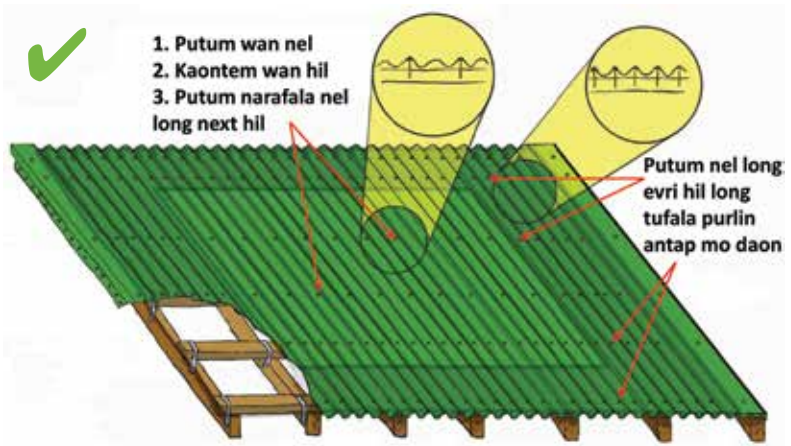
2.a) Yusum nel long ples we i kat hil, nel i no mas ko pitim pelin, emi mas traon insaed long pelin.



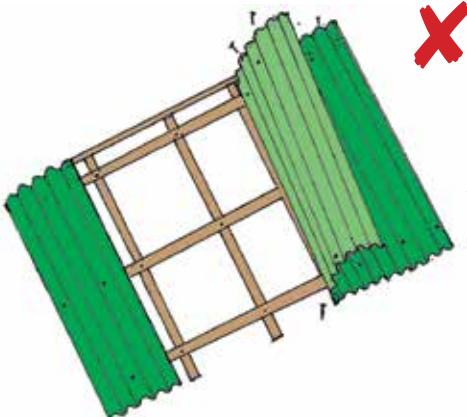
2.b) Yusum nel long ples we i kat hil, be sipos nel blong yu i ko kamaot antanit long pelin, mekem sua se yu benem nel blong yu blong win i no save rutum aot.

7.2 Spesing blong ruf nel

Pikja ia i stap ilastretem wanem yu sud rispektem (spesing mo namba blong nel) blong mekem sua, se ruf blong yu, i sef mo i strong taem i kat wan bigfala win.



Pikja ia i stap ilastretem taem yu:



- No putum inaf nel long ruf o yu no rispektem spesing blong nel blong yu.
- No mas mekem nel i kamaot antanit long pelin blong yu o yu no benem nel blong yu sipos i kamaot antanit long pelin.

Resource materials

● *Shelter Safety Handbook, some important information on how to build safer, 2011, International Federation of Red Cross and Red Crescent Societies (IFRC)*

● *Video – How to build a safer wooden house, 2008, French Red Cross*

● *Construction handbook for builders, 2008, Jamaican Red Cross*

● *Fiji Tips to Build Back Safer - Fiji TC Evan 2012 - Coordinating Humanitarian Shelter - ShelterCluster.org*

OL SEVEN STAMBA TINGTING BLONG RED CROSS MO RED CRESCENT MUVMEN

HUMANITI

Intenasonal Red Cross mo Red Crescent Muvmen, we l bon from wan tinting blong givim elp we i no gat diskriminisen long olketa we oli kasem kil long ples blong wo, hemi faet long intenasonal mo nasonal wok blong hem blong stopem mo daonem wei we laef blong man i stap sef long hem long eni ples we fasin ia i stap kamaot long hem. Stampa wok blong em, emi blong protektem laef mo helt mo mekem sua se i kat rispek long olketa man. Emi blong promotem andastading, frendship, koperesen we oli serem pis we i save last long metel blong everi man.

FEA

Emi nokat diskriminesen long saed blong nasionaliti, res, bilif long rilijen, klas o politikel tingting. Emi wok strong blong stopem fasin we man i stap safa long em nomo mo kivim fesfala Janis long olketa keis blong trabol we oli nidim kuik elp.

FASIN BLONG NO TEKEM PAT BLONG ENI SAED

Blong mekem se emi ki strong tingting blong evri man oltaem, Muvmen ia i no save tekempat long eni faet o joen long eni taem long rao long saed blong politik, res, tingting blong rilijen.

INDEPENDENS

Muvmen ia emi independen. Nomata we olketa Nasonal Sosaetis oli stanap blong sapotem sevis blong kavman blong olketa blong lukluk long laef blong olkate man mo folem olketa loa blong kaontry blong olketa, oli mas olteam difendem fridom blong olketa blong mekem se evri taem oli kat Janis blong wok folem olketa stamba tingting blong Muvmen.

VOLONTARI SEVIS

Muvmen ia emi wan voluntari okanaese-sen blong kivim elp we emi no redi blong winim mani long saed blong olketa wok blong em.

YUNITI

Long eni kaontri i save kat wan Red Cross o Red Crescents Sosaeti nomo mo emi mas open long evri man. Emi mas mekem olketa wok blong em long saed blong laef blong man olbaot long kaontry blong em.

WOK RAON LONG WOL

Intenasonal Red Cross mo Red Crescent Muvmen, emi wan bodi we man i save faenem olbaot long wol mo we evri Sosaeti oli kat semfala responsabiliti mo wok blong elpem wanwan long olketa



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