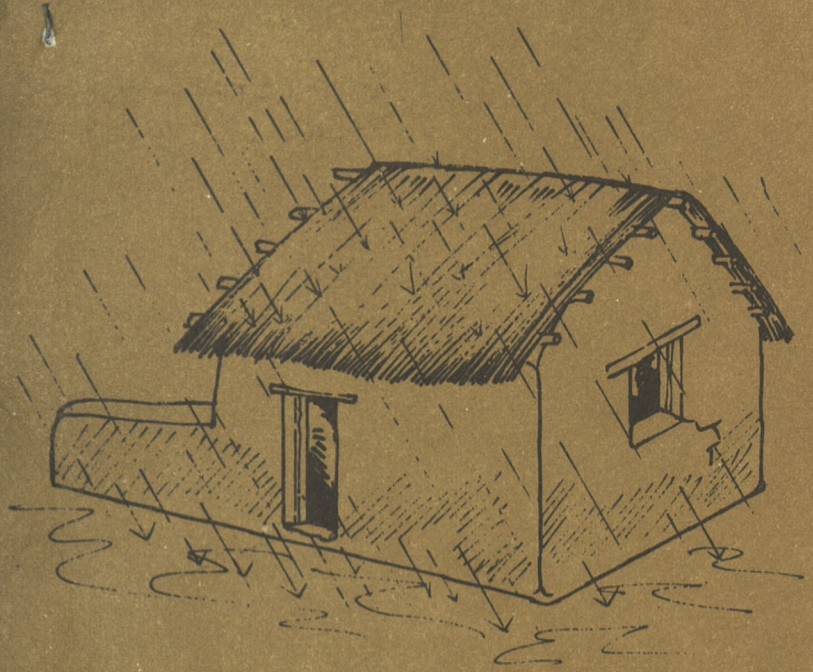
304
302/7
301/1A
803/2J
302/3

1

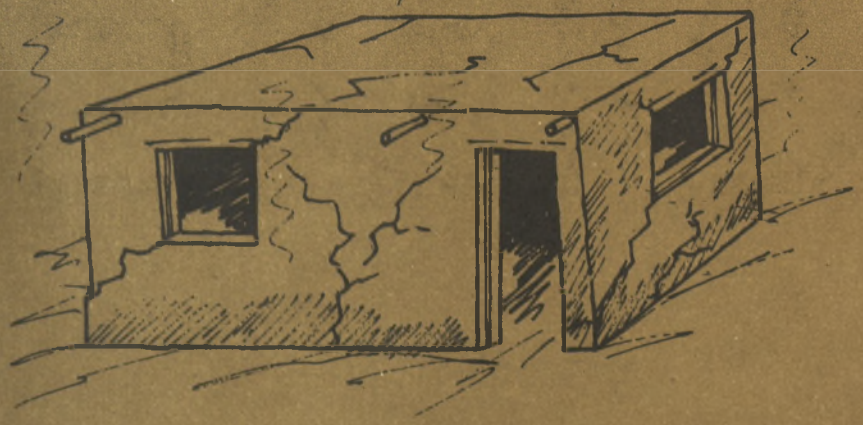
CARTILLA DE DIFUSION Nº1
REGION DE LA COSTA

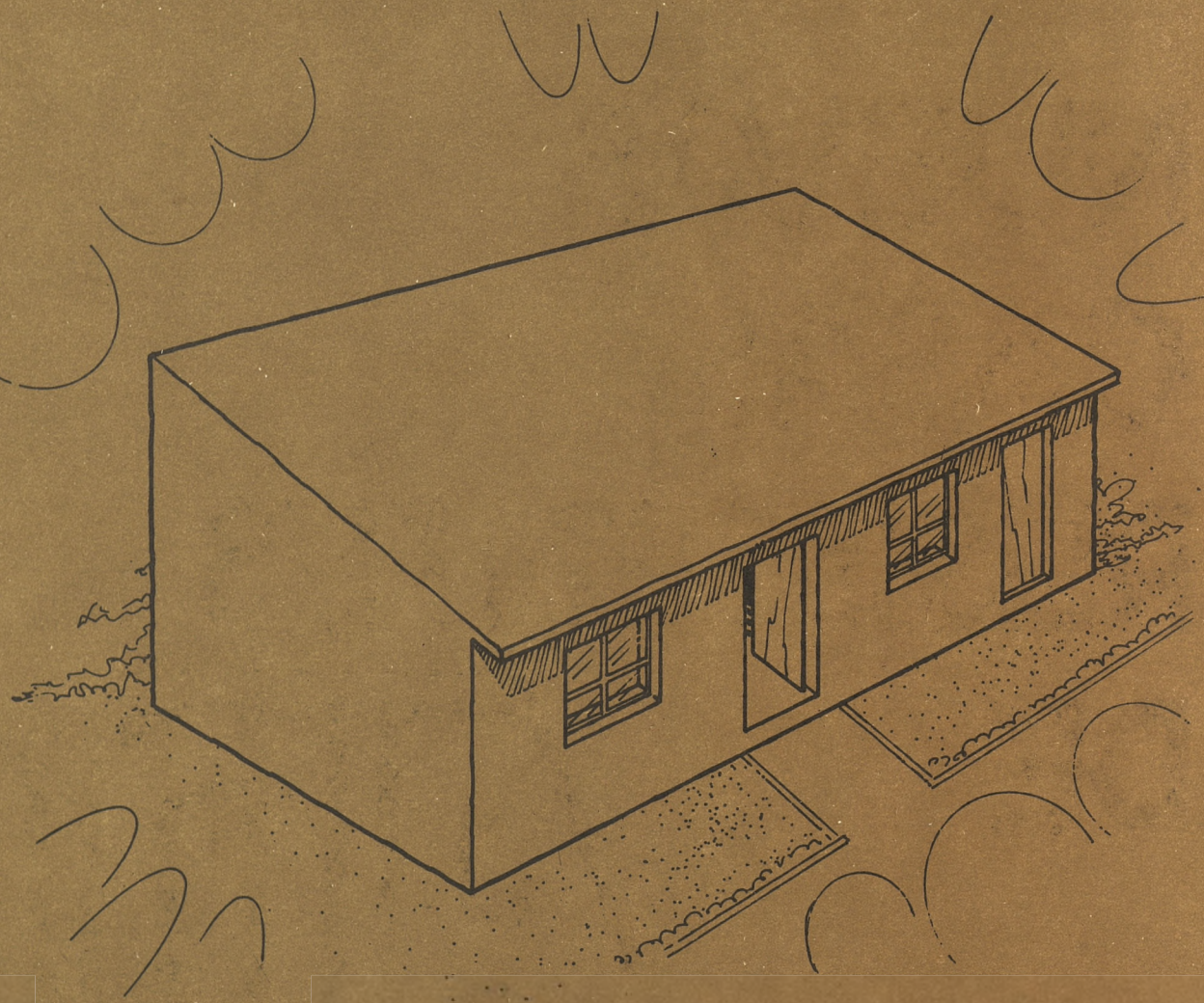
NUEVAS CASAS RESISTENTES DE ADOBE

PONTIFICIA UNIVERSIDAD CATOLICA DEL PERU
AGENCIA PARA EL DESARROLLO INTERNACIONAL USAID/PERU



MUCHAS CASAS DE ADOBE FUERON DAÑADAS POR LOS TERREMOTOS Y LAS LLUVIAS.

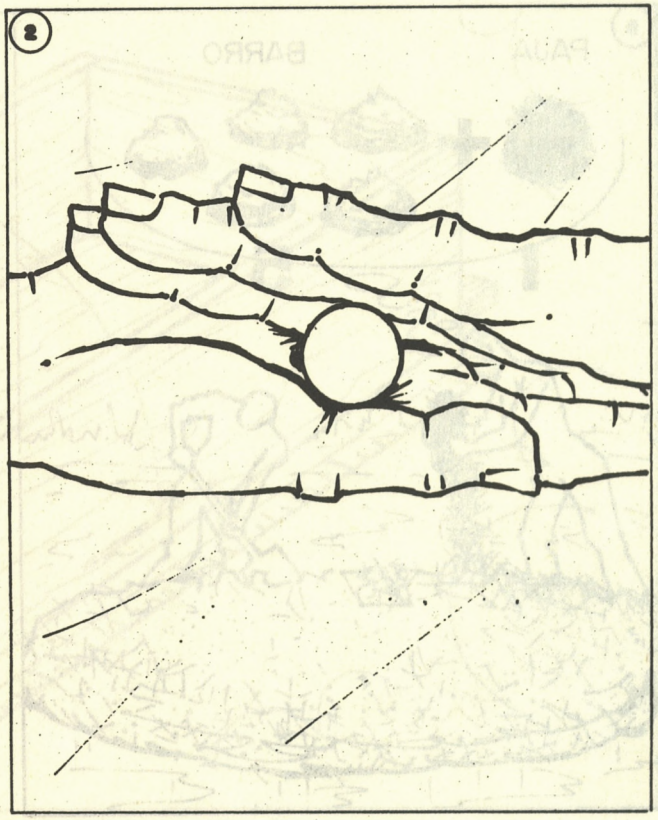




NUEVOS ESTUDIOS PERMITEN AHORA HACER CASAS RESISTENTES.

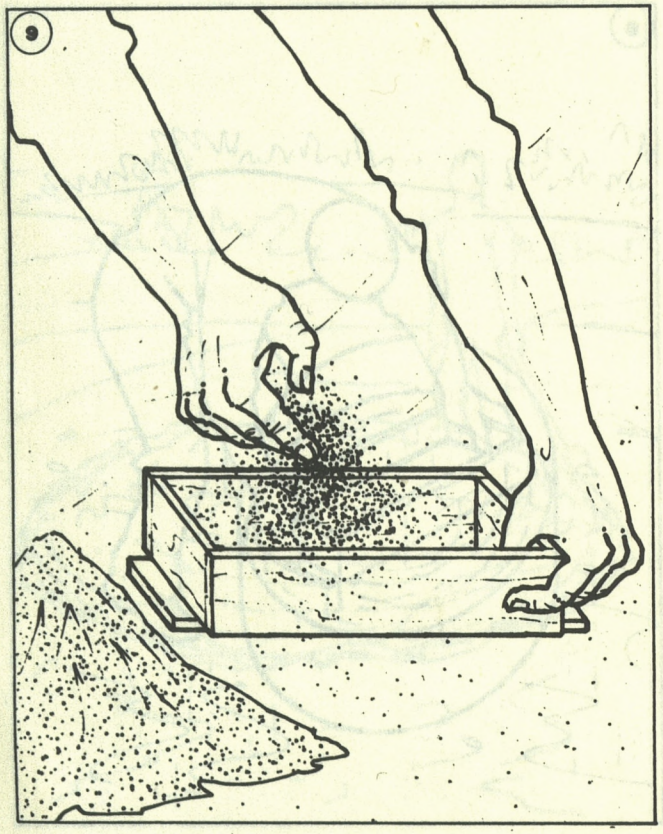
PRUEBA PARA ESCOGER EL SUELO...

DE LA CANTERA ARCILLOSA SE TOMA UNA MUESTRA.

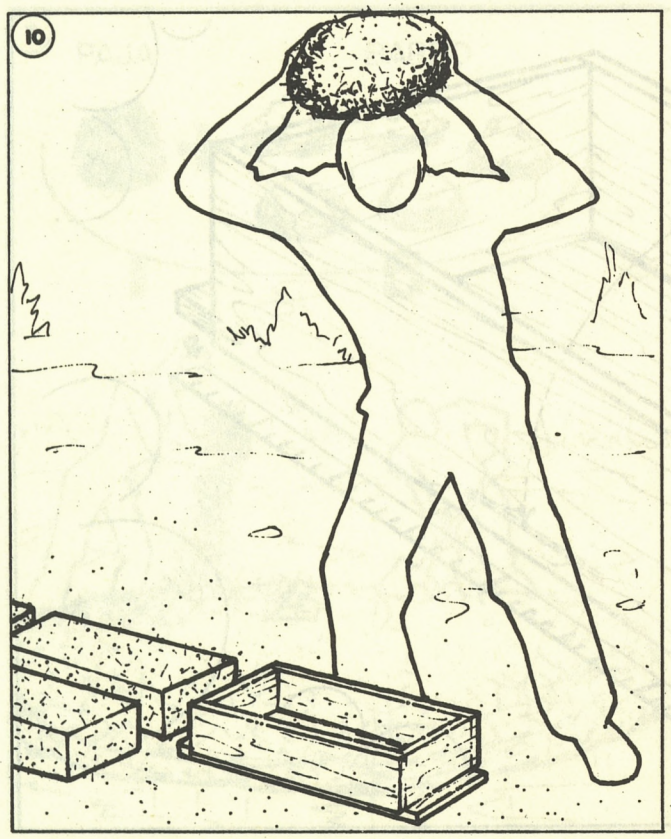


DEL BARRO SE HACEN VARIAS BOLITAS DE 2 Centimetros.

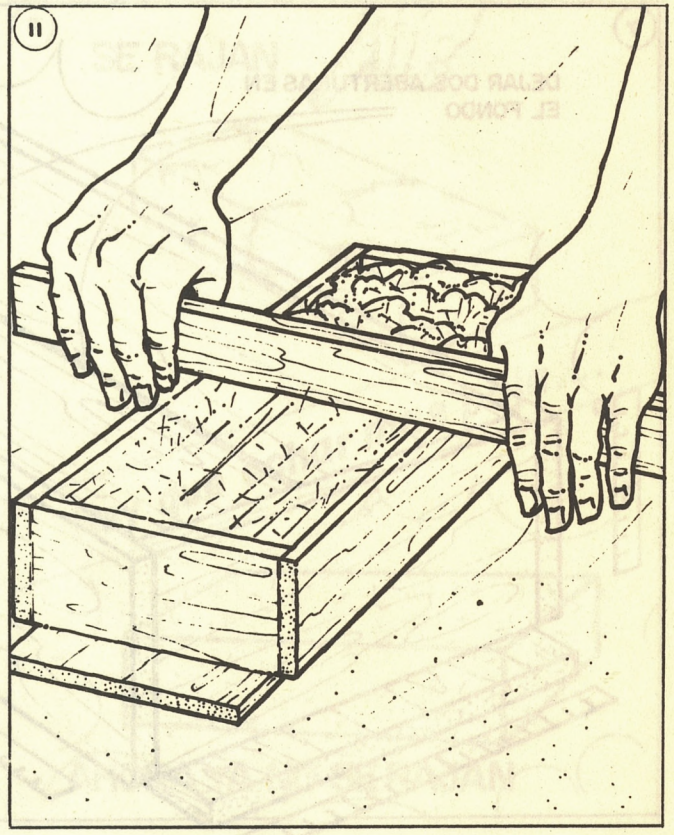
DESPUES DE 1 DIA TRATAR DE ROMPER CADA BOLITA.



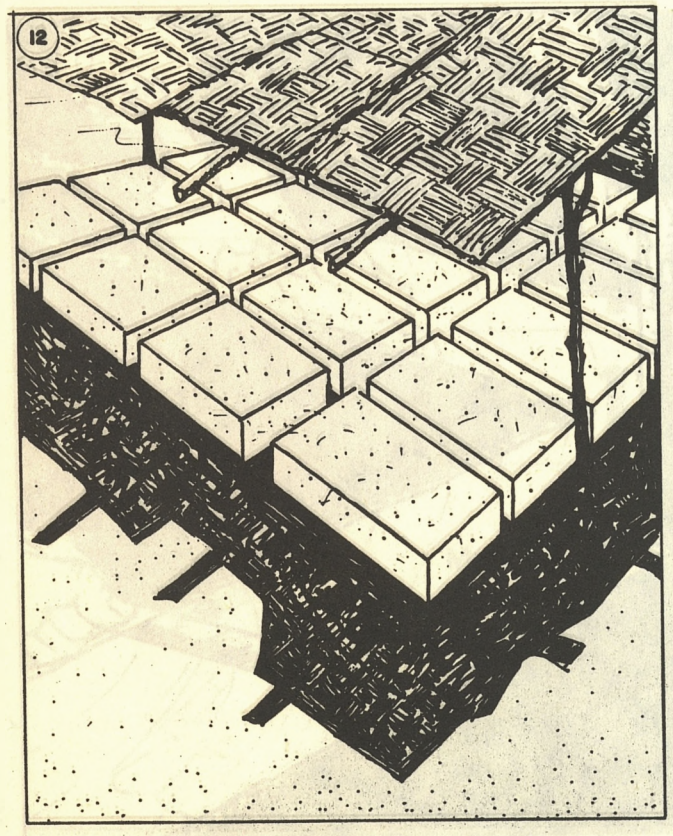
ROCIAR EL MOLDE CON ARENA FINA.....



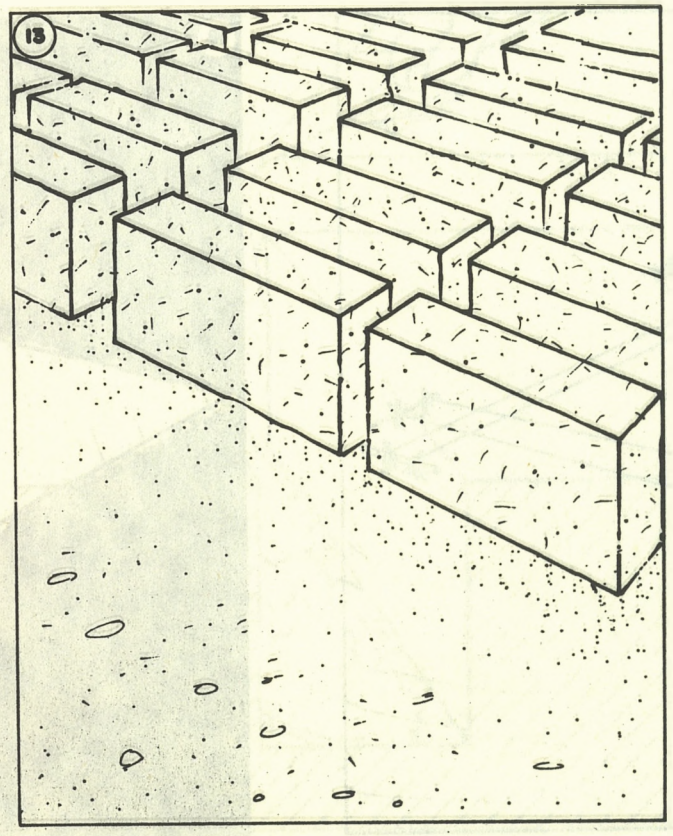
FORMAR UNA BOLA CON EL BARRO Y TIRARLA CON FUERZA AL MOLDE.



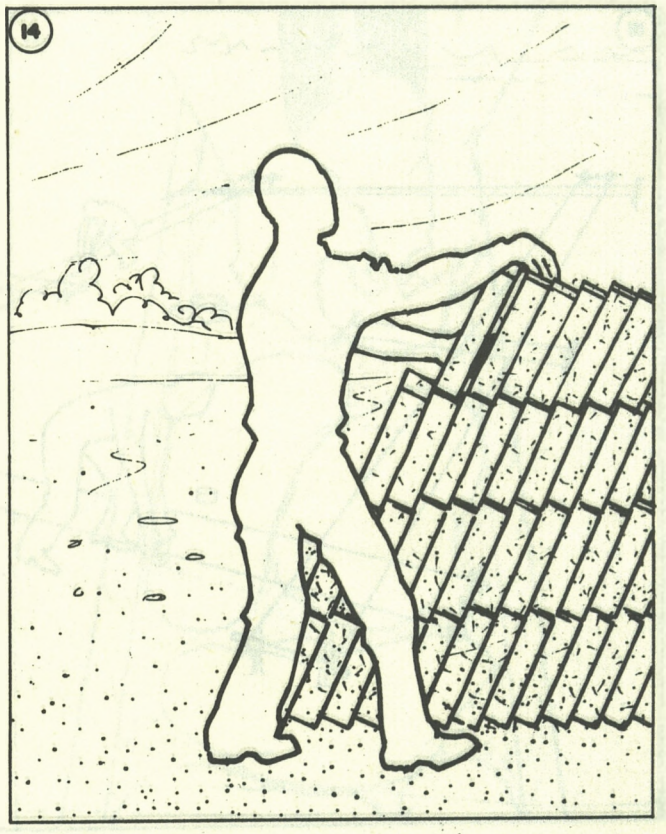
RELLENAR Y EMPAREJAR CON REGLA.



SECAR LOS ADOBES SOBRE EL SUELO LIMPIO Y PLANO.

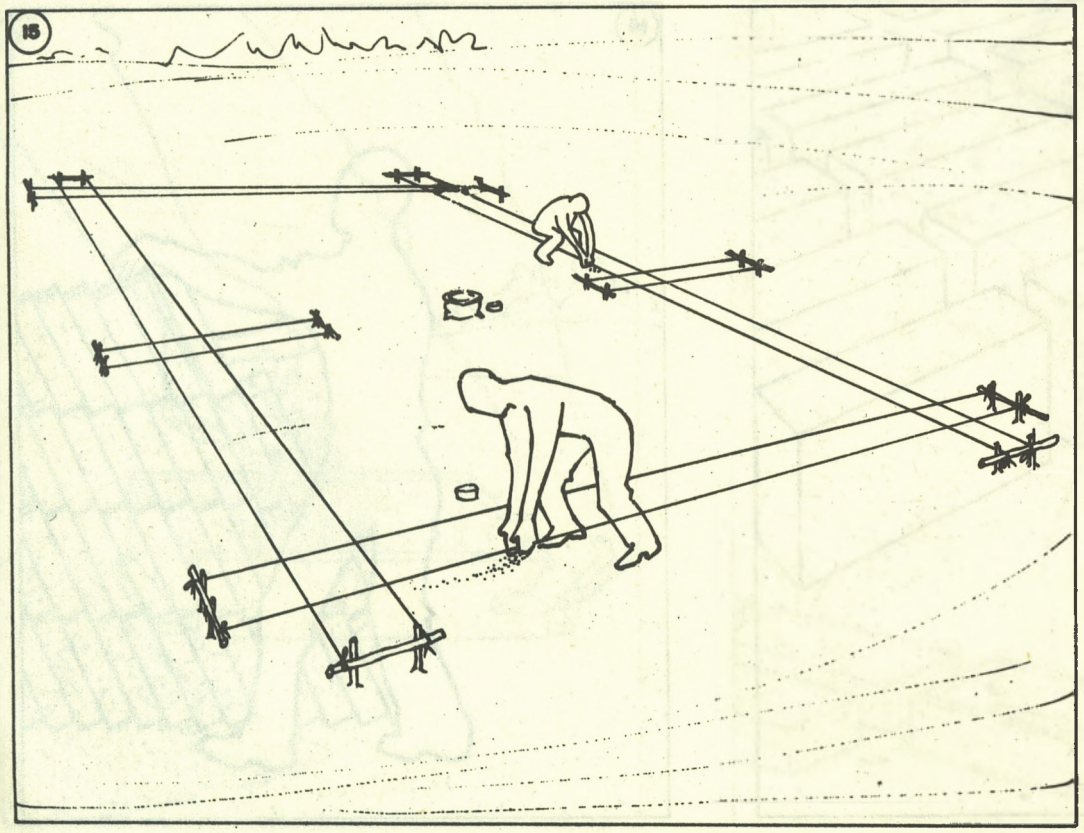


A LOS 4 DIAS VOLTEARLOS DE CANTO PARA QUE SEQUEN.....

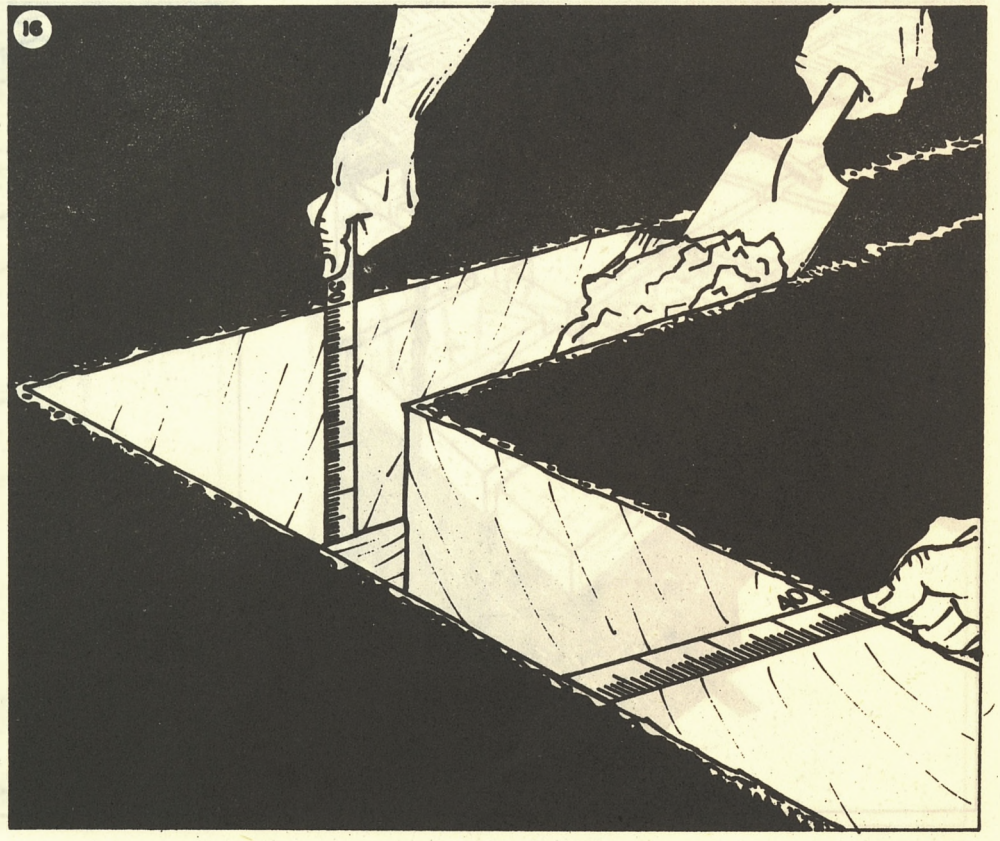


1 SEMANA DESPUES APILAR LOS ADOBES.

TRAZO Y EXCAVACION...

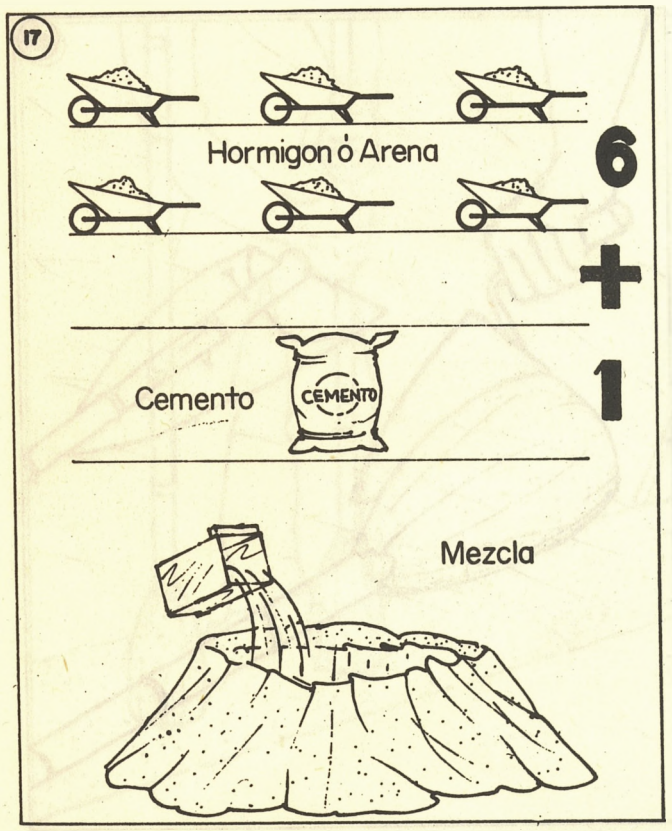


TRAZAR DE ACUERDO AL PLANO.

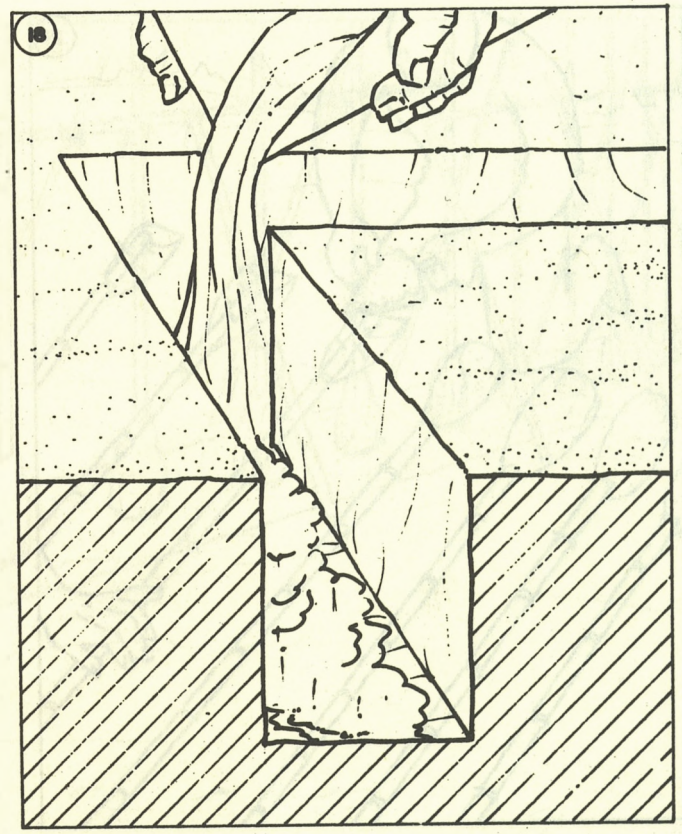


EXCAVAR LAS ZANJAS PARA EL CIMIENTO.

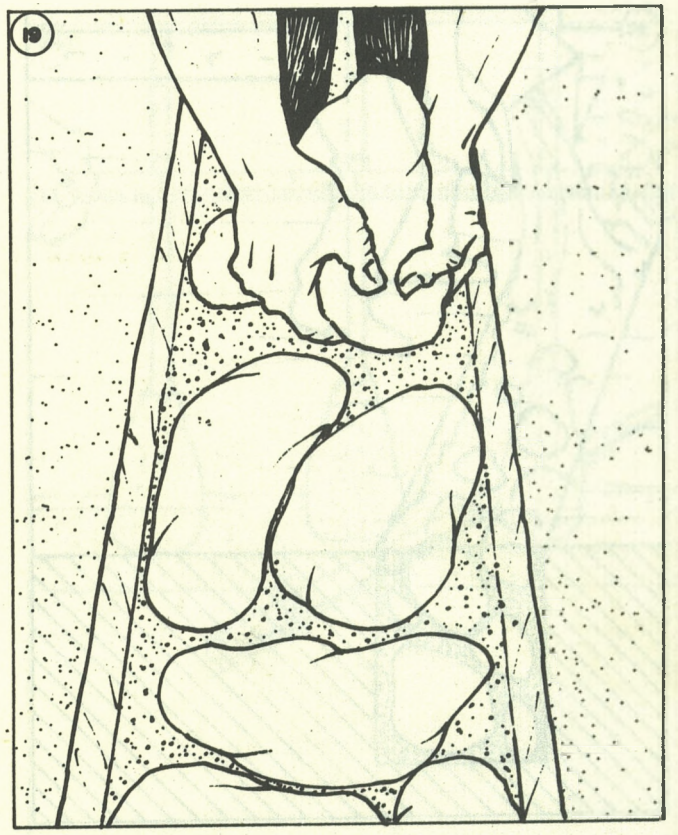
LOS CIMIENTOS ...



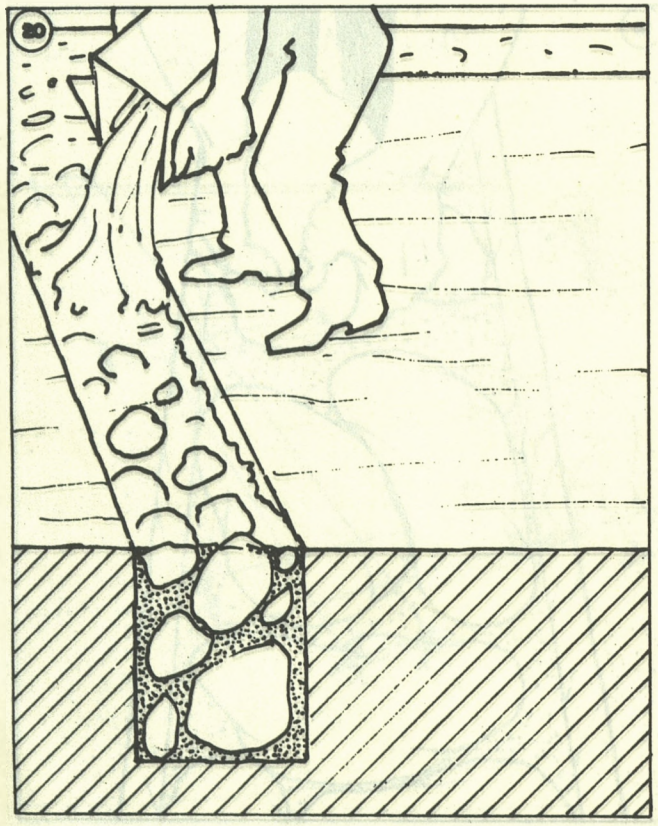
MEZCLA.



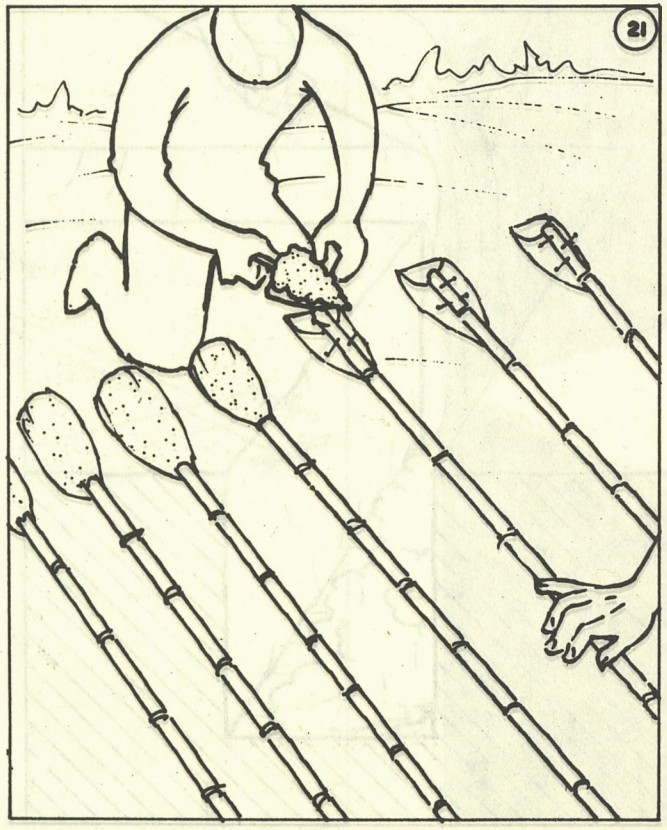
ECHAR UNA CAPA DE MEZCLA.



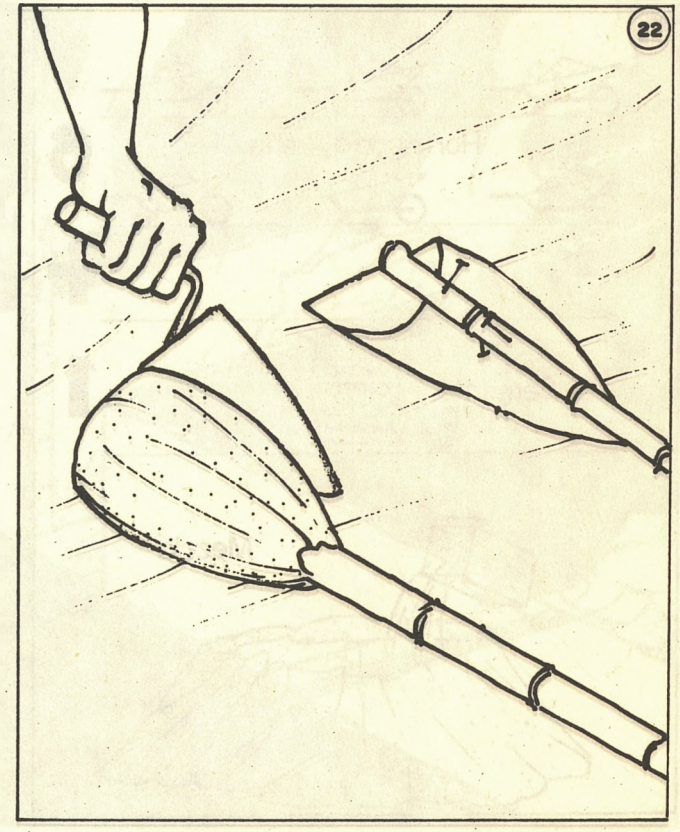
PONER PIEDRAS GRANDES.



LLENAR HASTA LA ALTURA DEL SUELO.

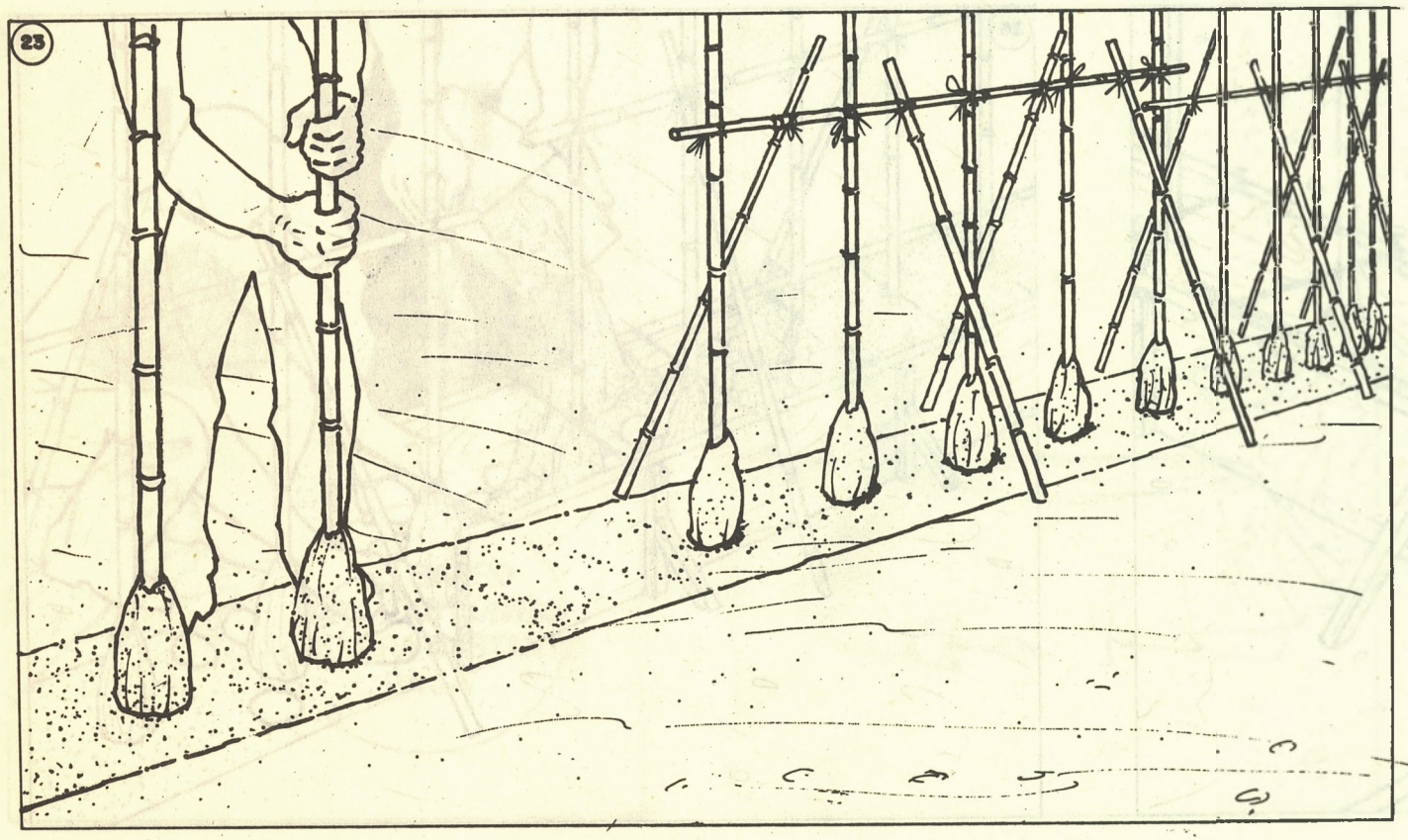


PREPARAR LAS BASES DE LAS CAÑAS VERTICALES.

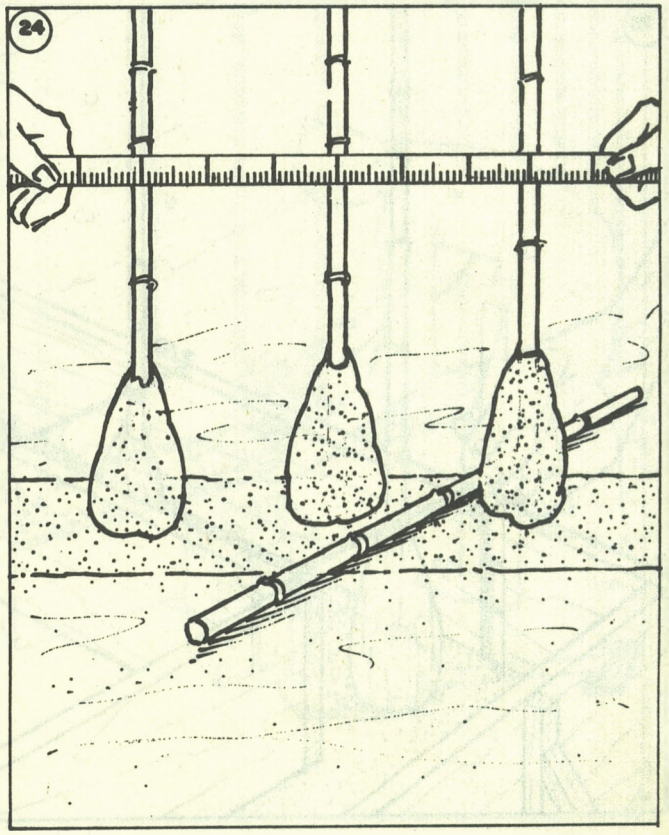


MOLDEAR.Y ESPERAR HASTA QUE SEQUE.

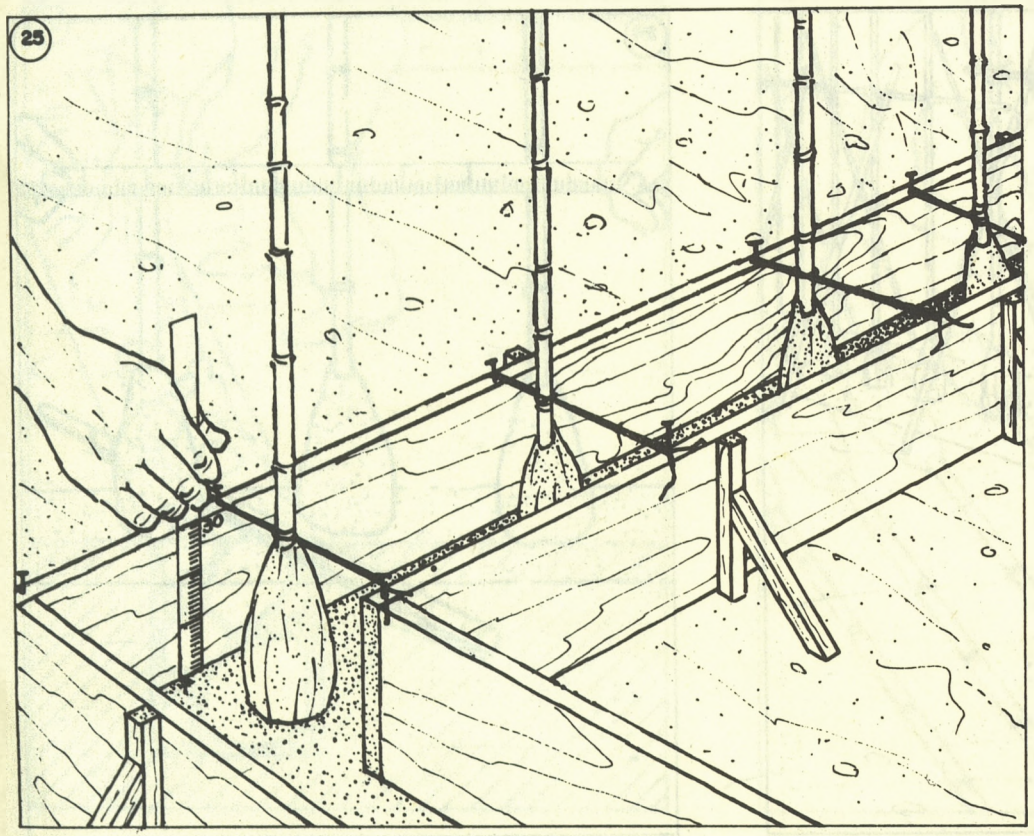
COLOCACION DE CAÑAS VERTICALES ...



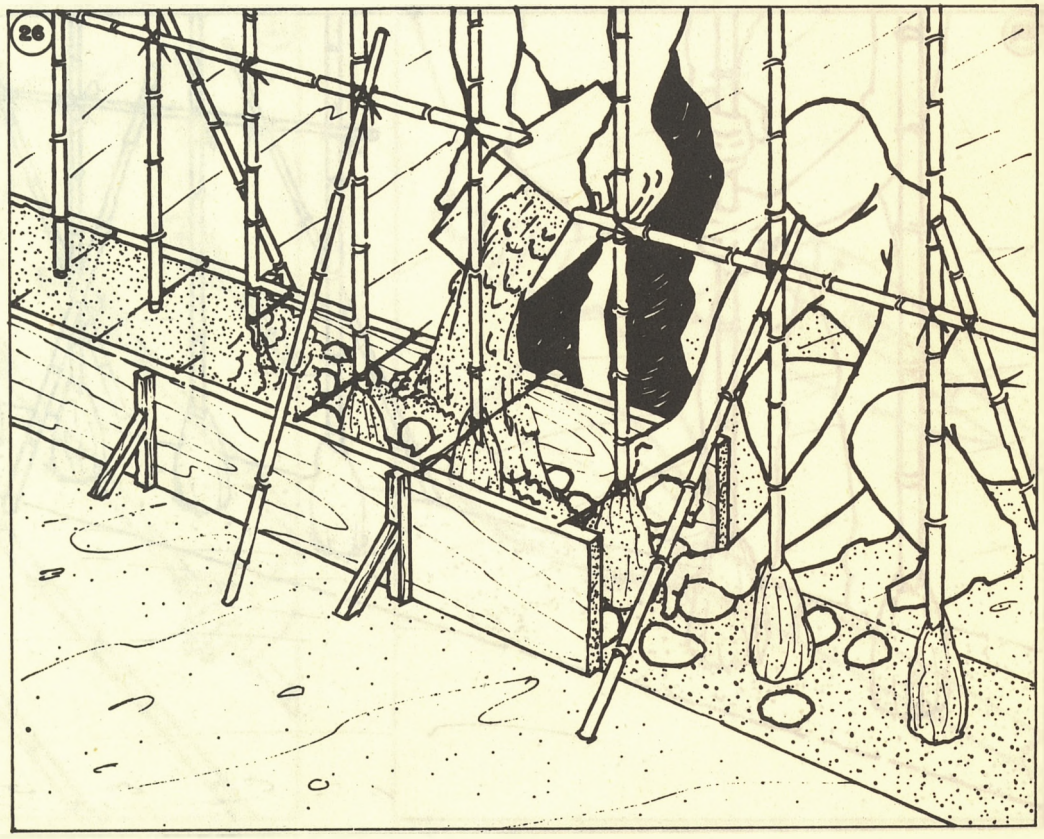
PONER CAÑAS PROVISIONALES PARA SOSTENER LAS VERTICALES.



USAR REGLA PARA UBICAR LAS CAÑAS.



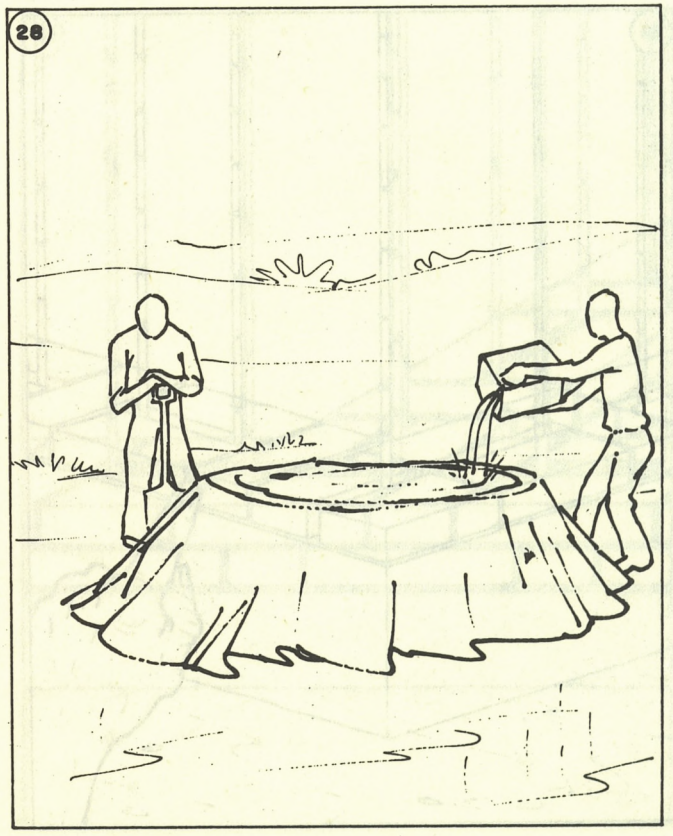
PONER TABLAS PARA EL SOBRECIMIENTO Y AMARRAR LAS CAÑAS CON ALAMBRE.



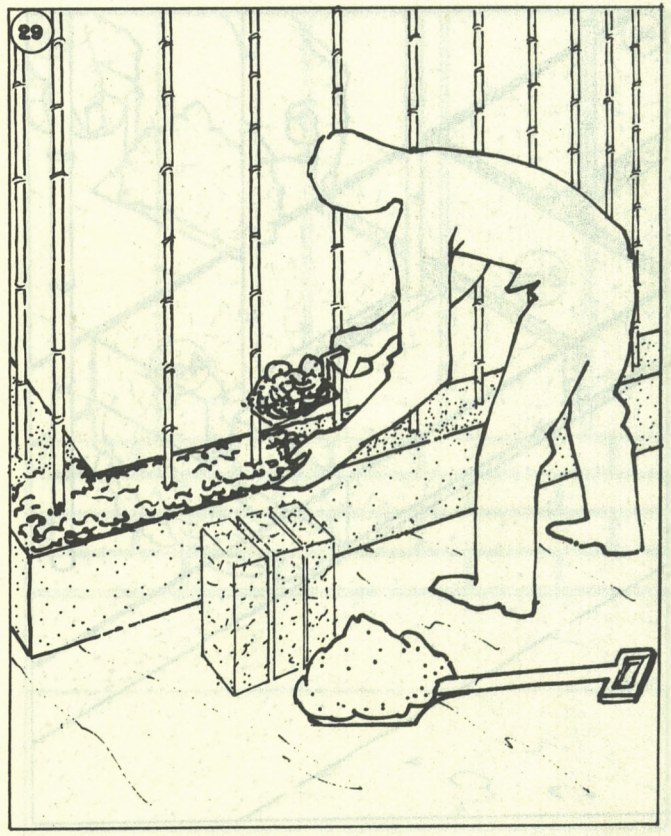
LLENAR EL SOBRECIMIENTO CON MEZCLA Y PIEDRA MEDIANA.

BARRO PARA LAS JUNTAS.—

PREPARACION DEL BARRO CON PAJA PARA LAS JUNTAS.

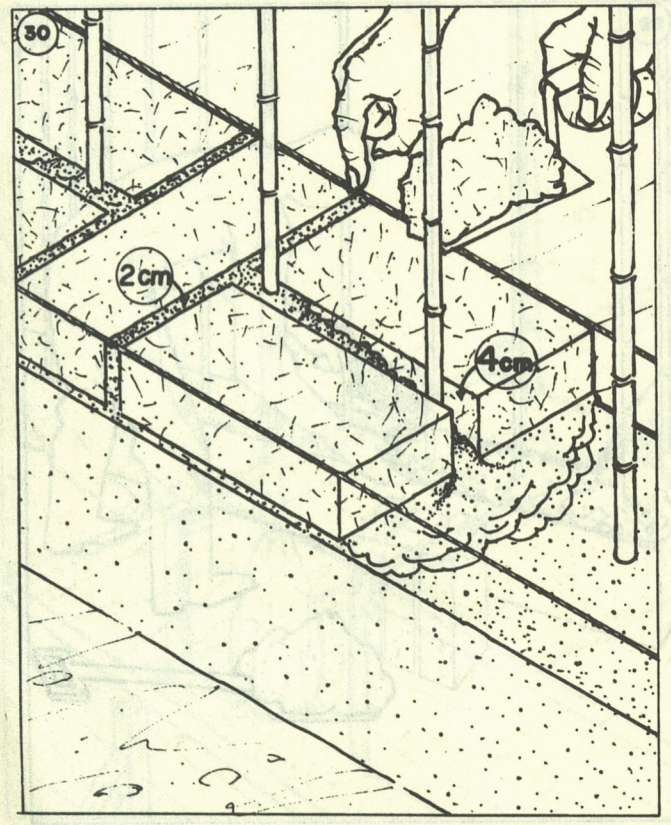


DORMIR EL BARRO **1** o **2** DIAS.

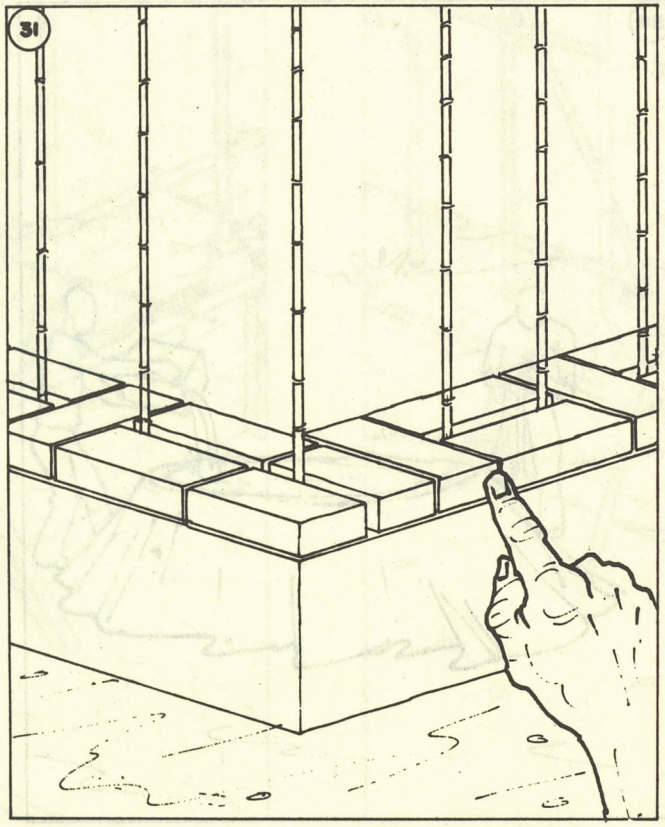


COLOCAR UNA CAPA DE BARRO SOBRE EL SOBRECIMIENTO

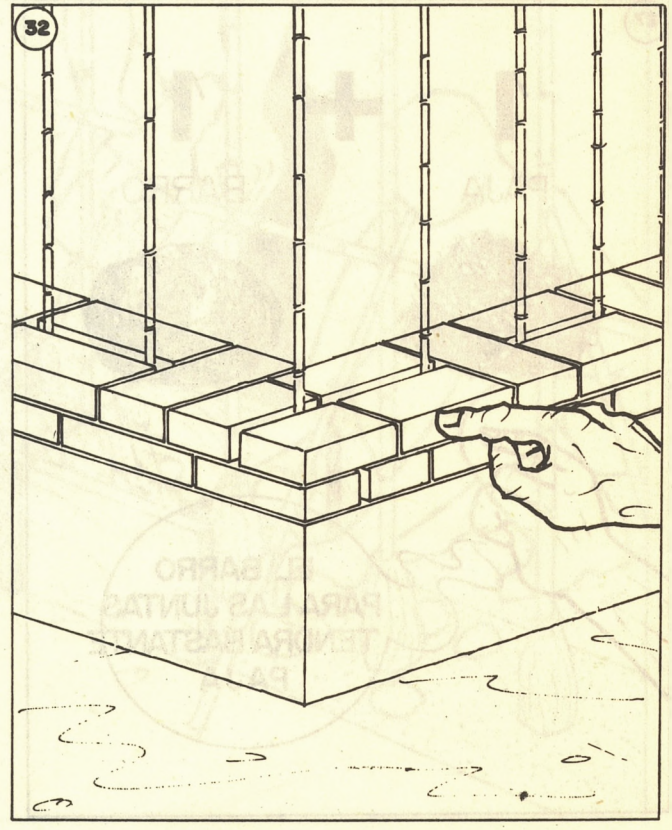
PAREDES.—



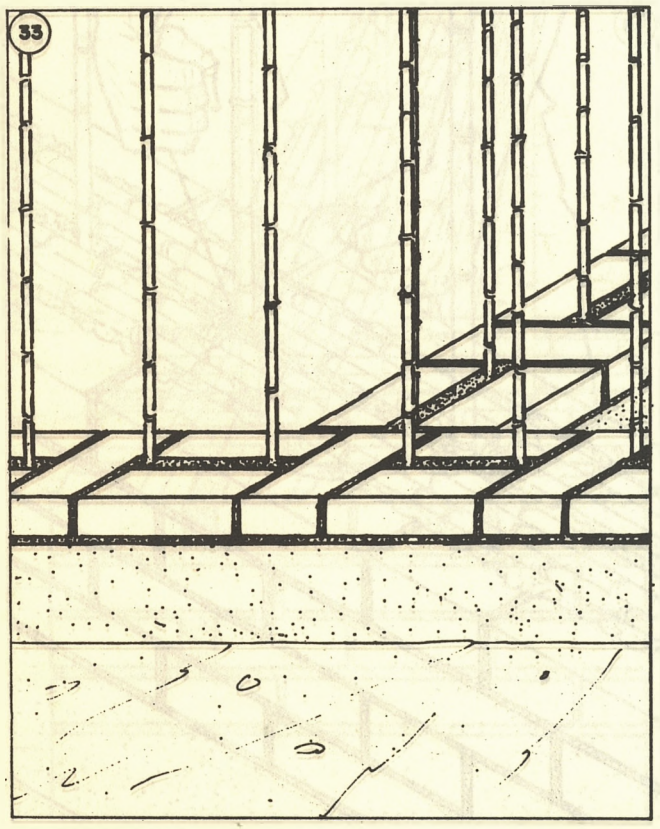
PONER ADOBES SEGUN PLANTILLA Y LLENAR LAS JUNTAS VERTICALES. USAR CORDEL.



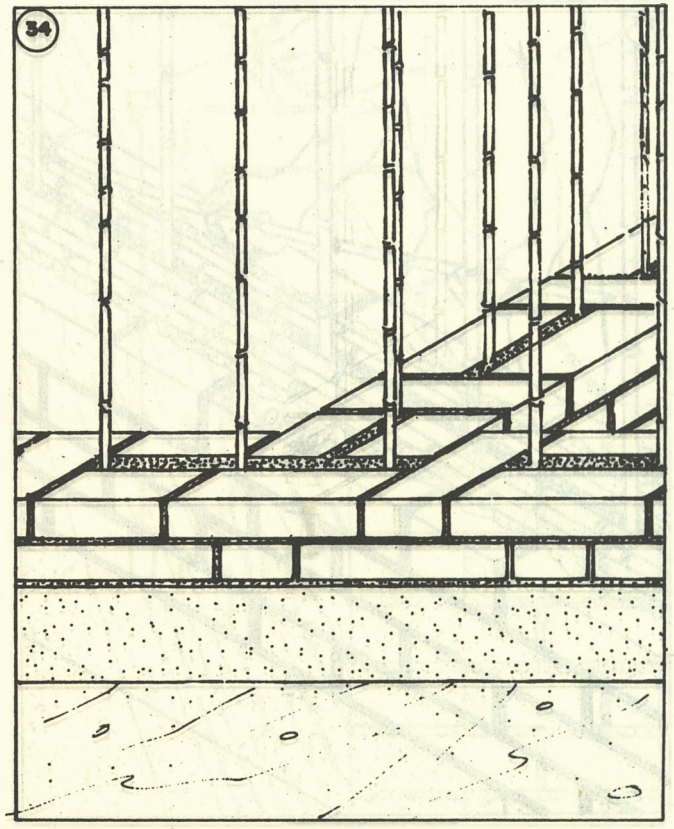
PRIMERA HILADA e HILADA IMPAR.



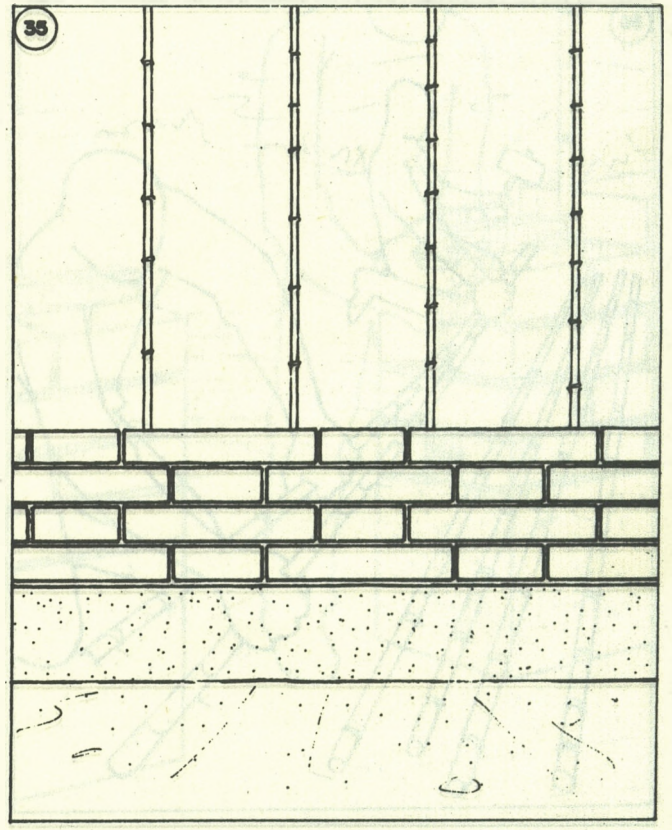
SEGUNDA HILADA e HILADA PAR.



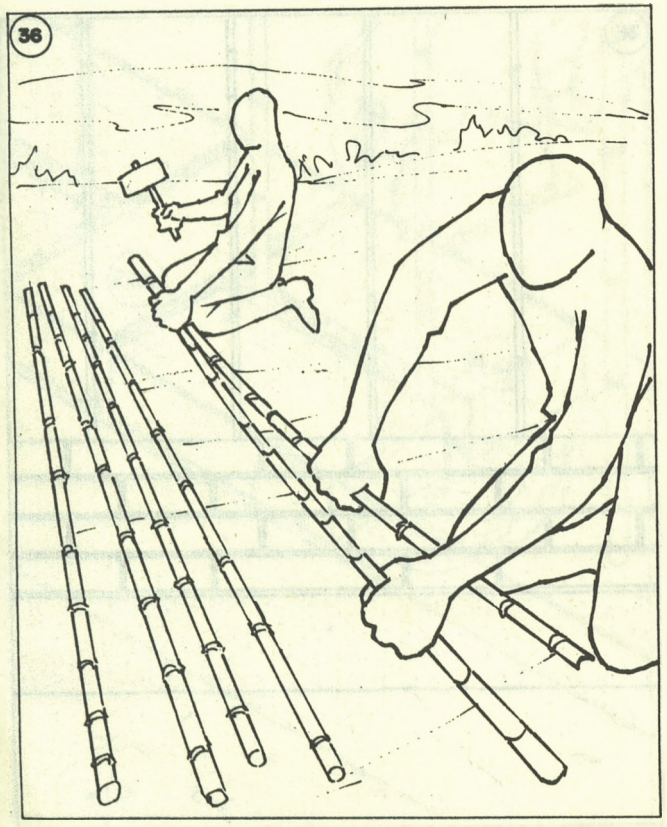
ENCUENTRO EN PRIMERA HILADA



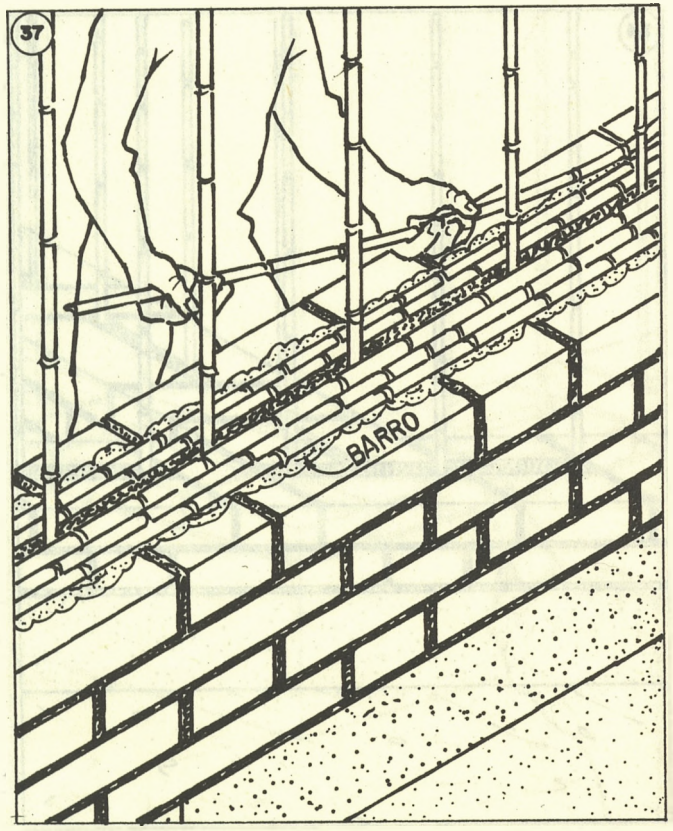
ENCUENTRO EN SEGUNDA HILADA.



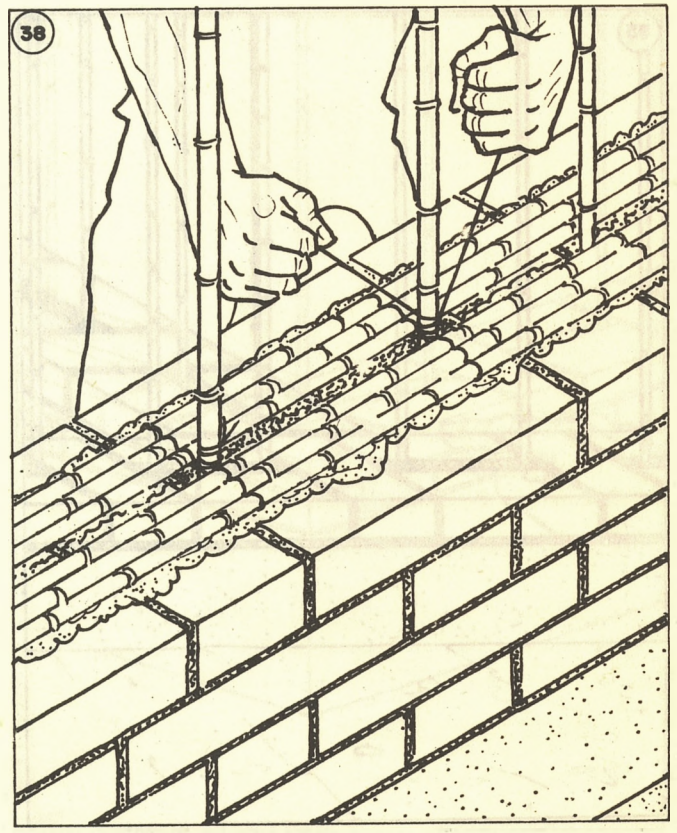
HACER 4 HILADAS TRABADAS.



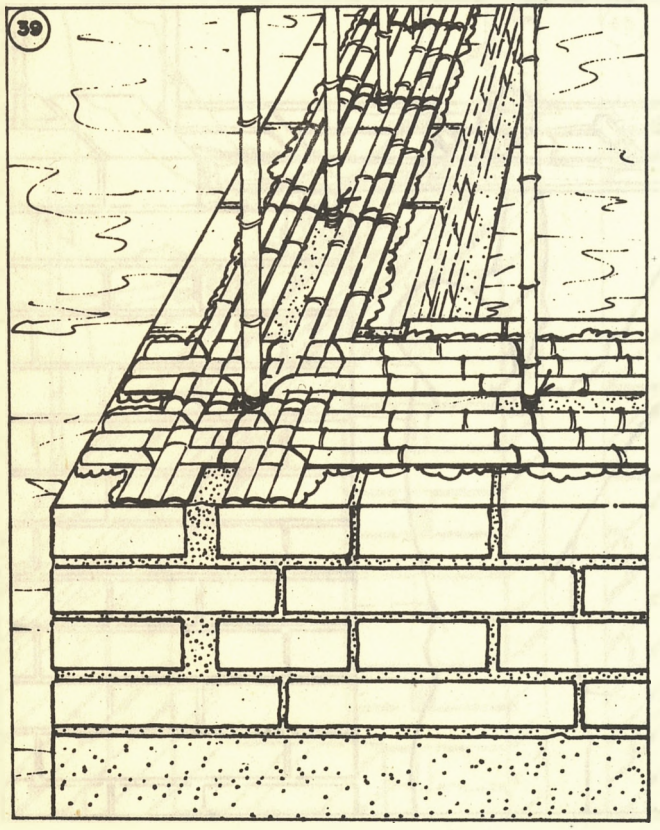
CHANCAR CAÑA Y PARTIRLA.



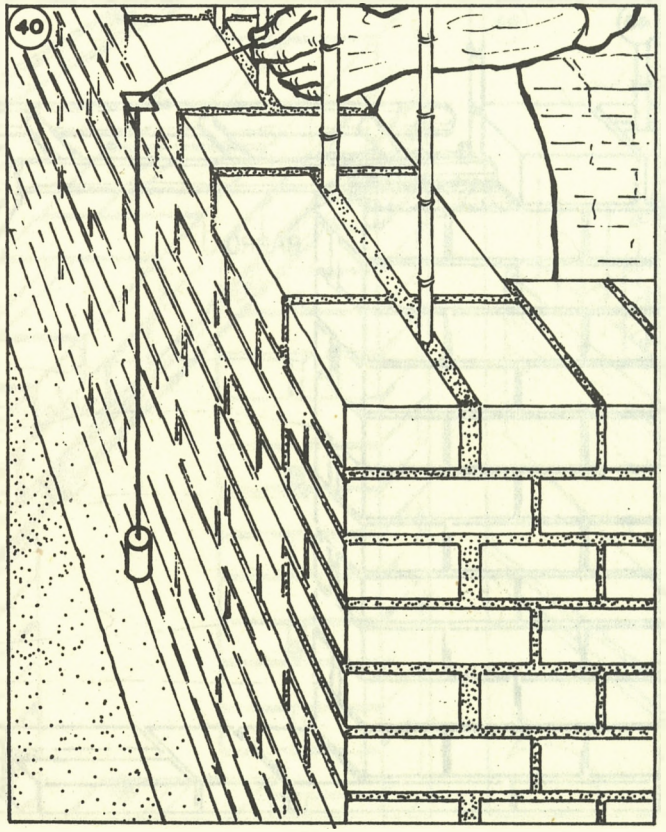
EN LA CUARTA HILADA COLOCAR CAÑAS CHANCADAS. REPETIR CADA CUATRO HILADAS.



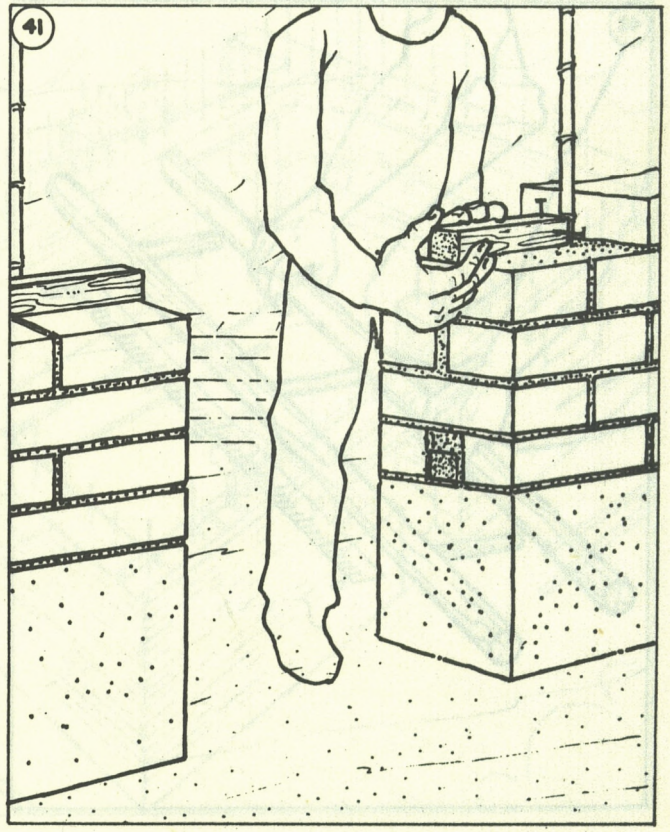
AMARRAR LAS CAÑAS ENTRE SI.



TEJER LAS CAÑAS HORIZONTALES EN LAS ESQUINAS Y AMARRARLAS.

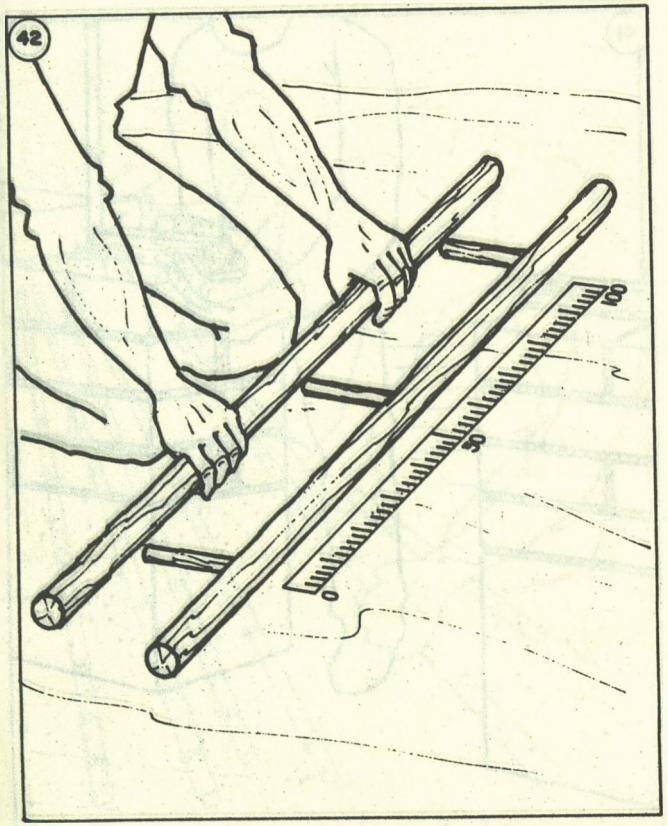


COMPROBAR CON LA PLOMADA.

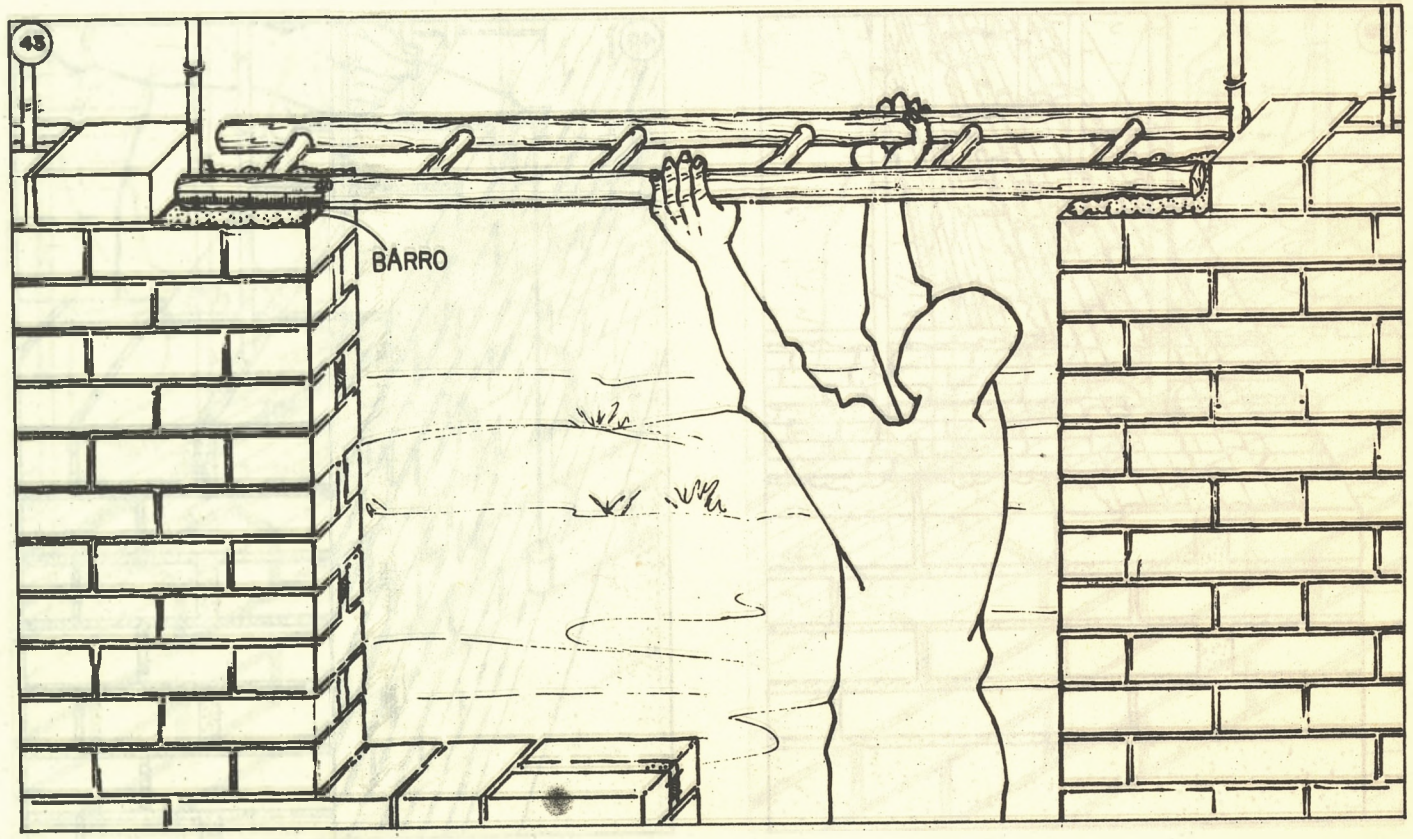


COLOCACION DE TACOS DE MADERA.

DINTELES.—

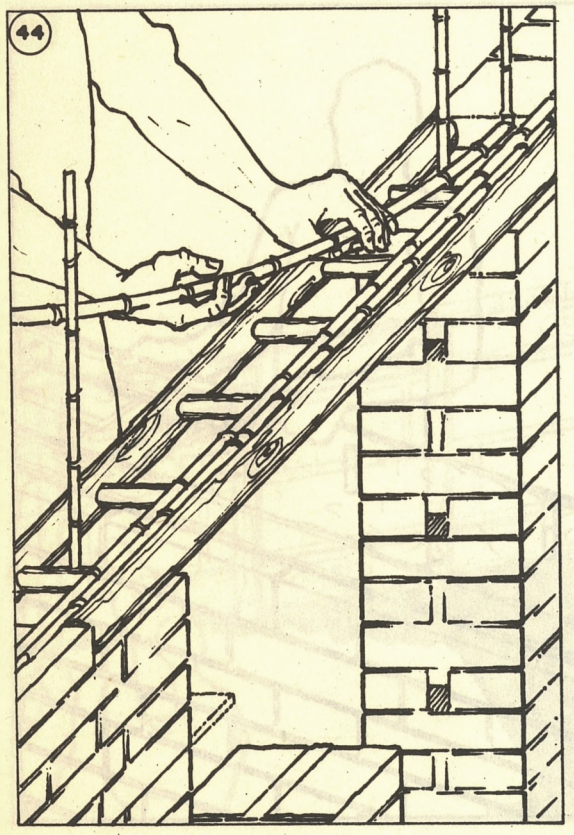


HACER DINTELES CON TRONCOS.

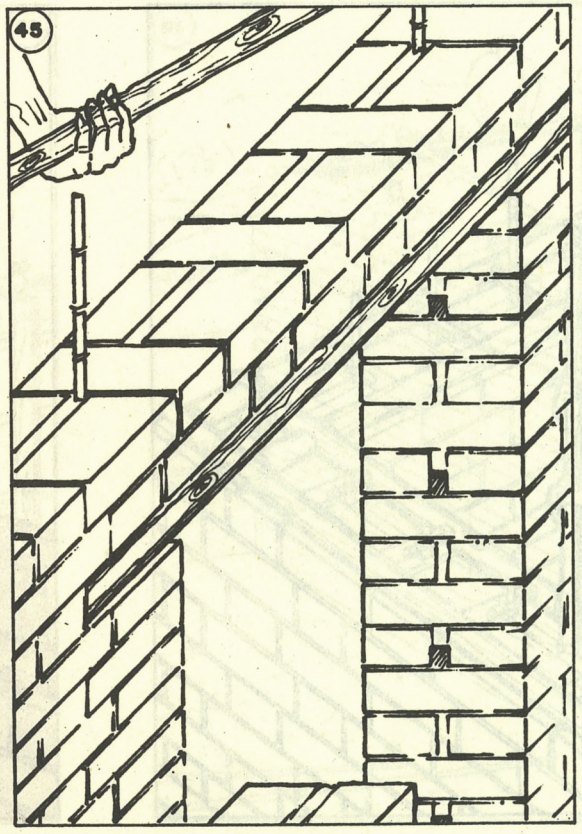


COLOCAR DINTEL.

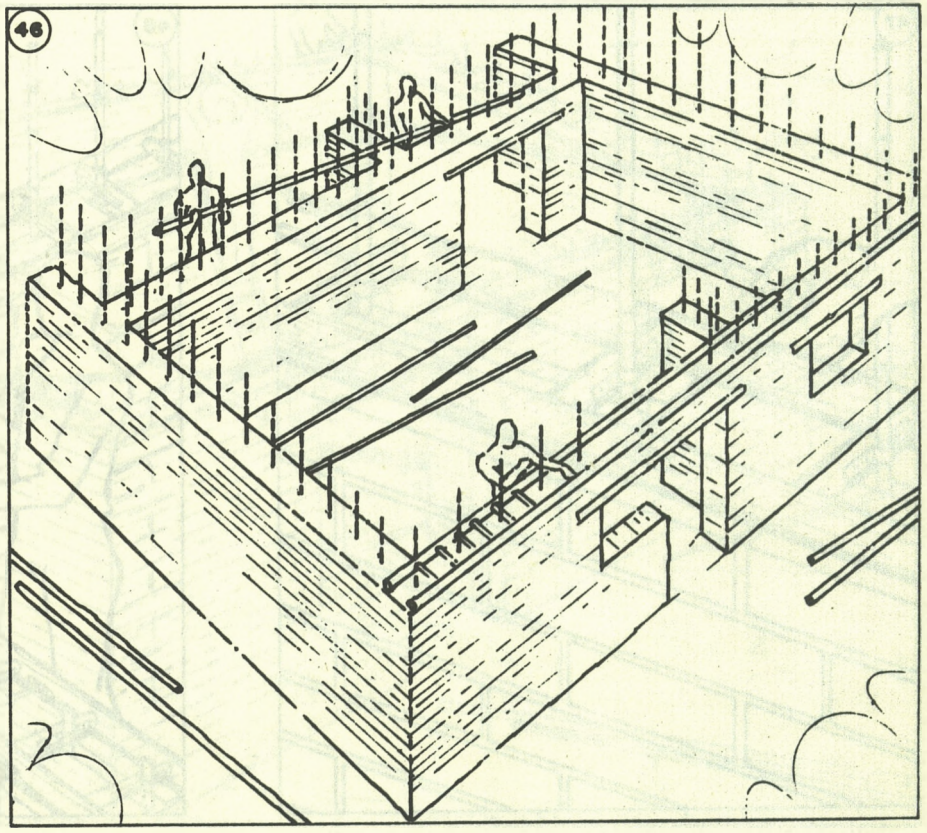
DINTELES Y CADENA DE AMARRE ..—



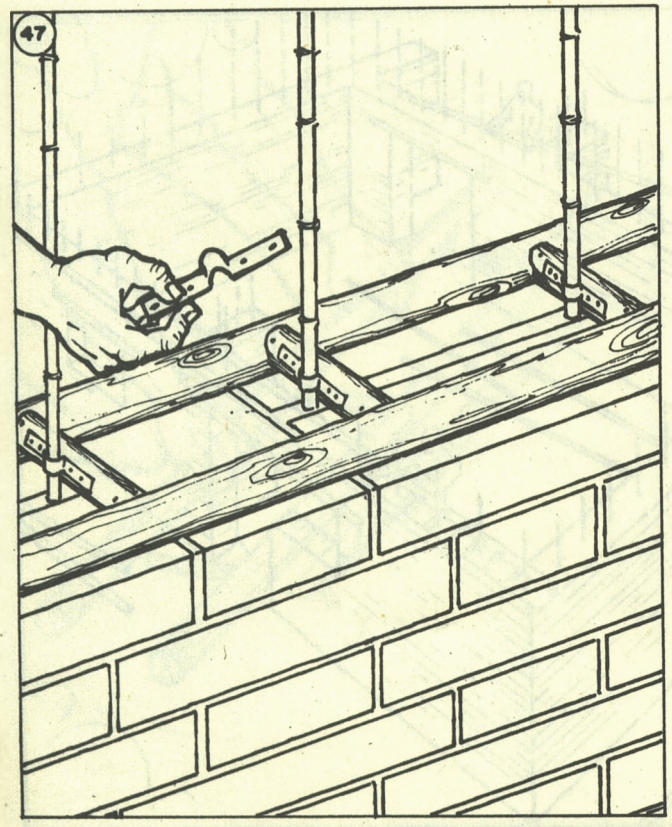
COLOCAR UNA CAPA DE CAÑA SOBRE EL DINTEL Y LUEGO UNA CAPA DE BARRO.



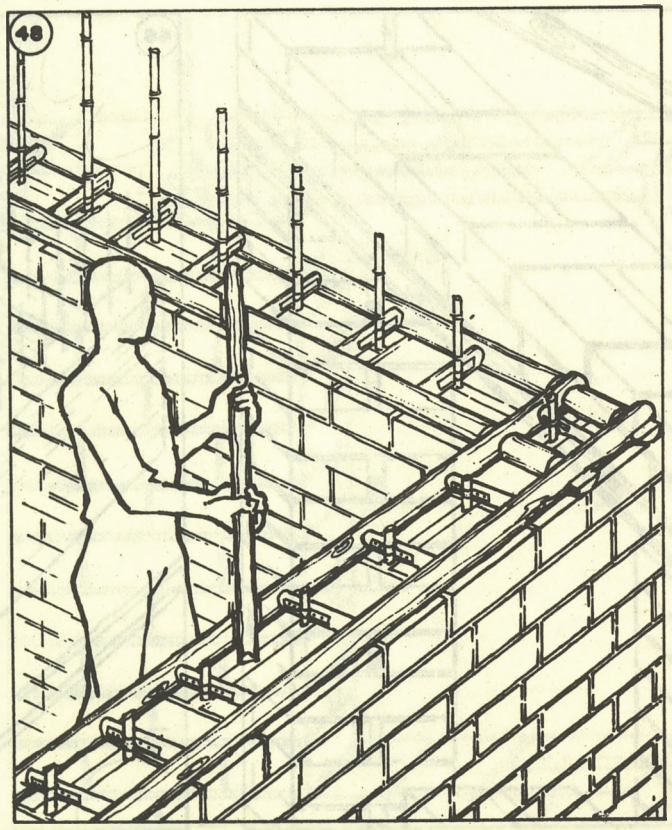
COMPLETAR LOS MUROS HASTA LA ALTURA DE LA CADENA.



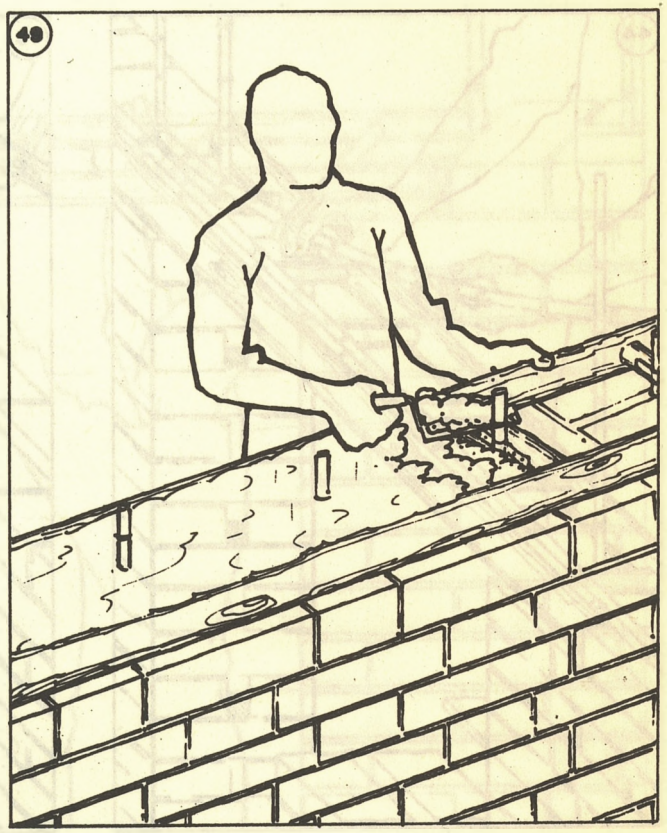
HACER LA CADENA DE AMARRE.



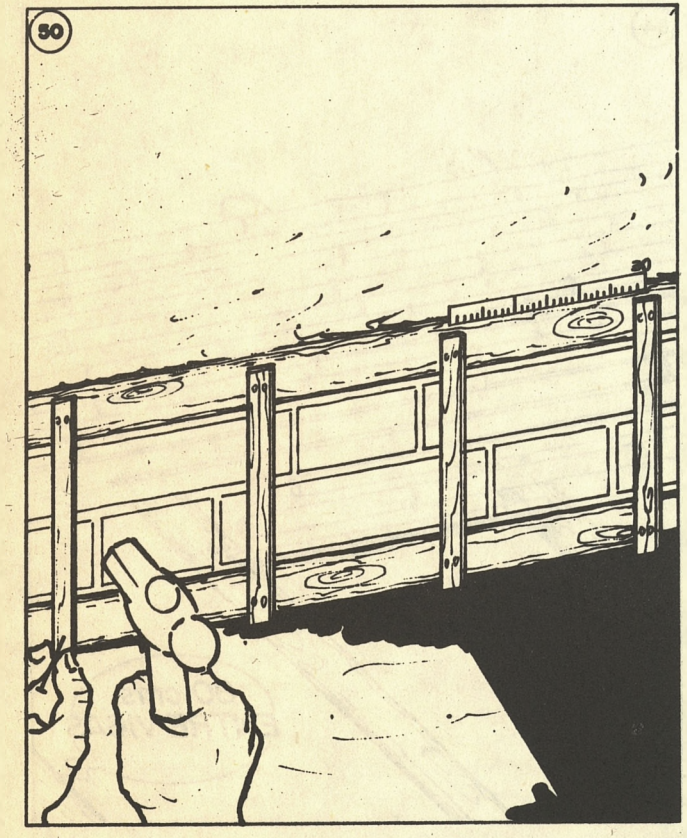
LA CADENA ES DE TRONCOS CLAVADOS. FIJAR LAS CAÑAS VERTICALES A LOS TRAVESAÑOS CON ZUNCHOS.



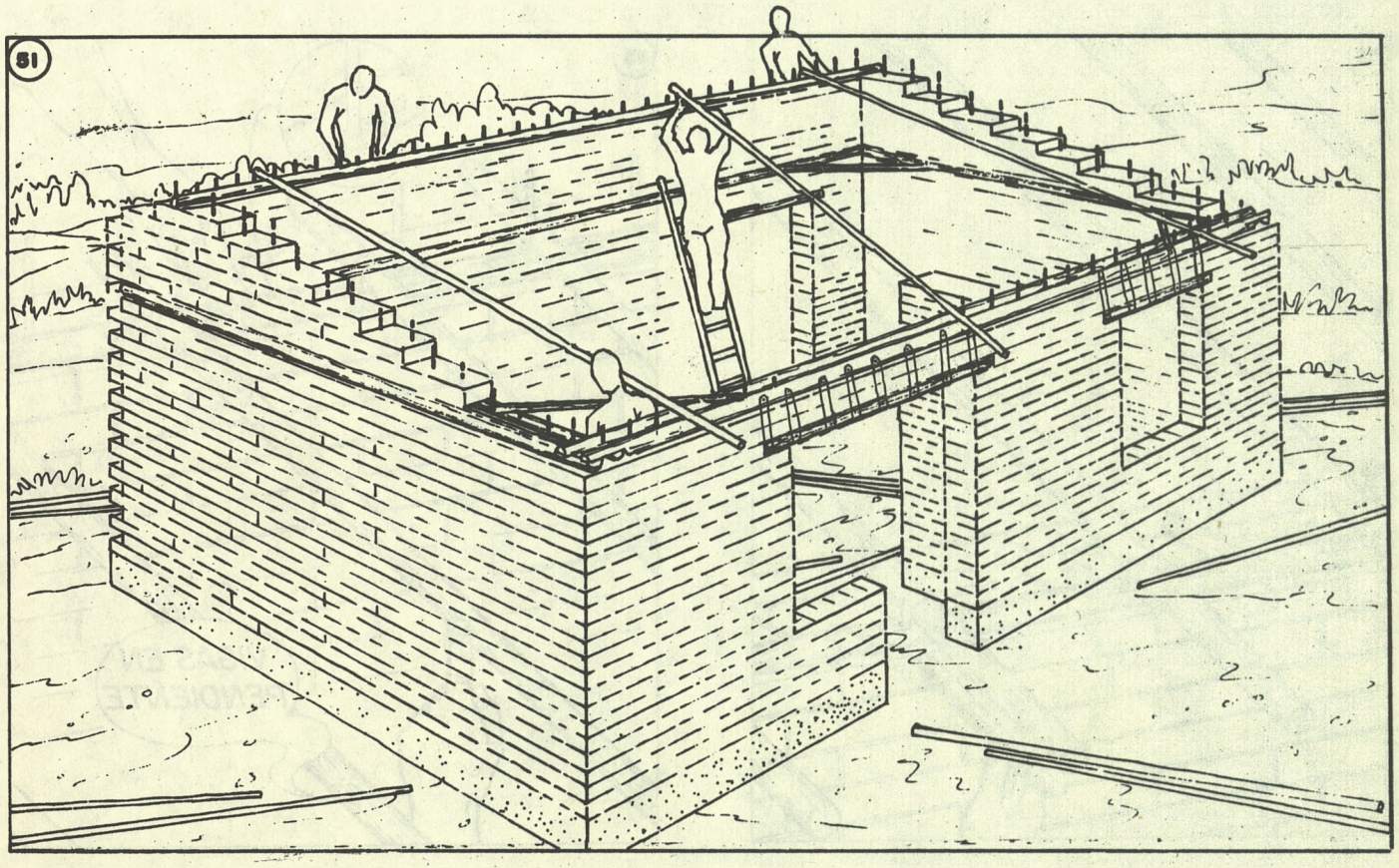
CLAVAR TRONCOS DE REFUERZO EN LAS ESQUINAS DE LA CADENA.



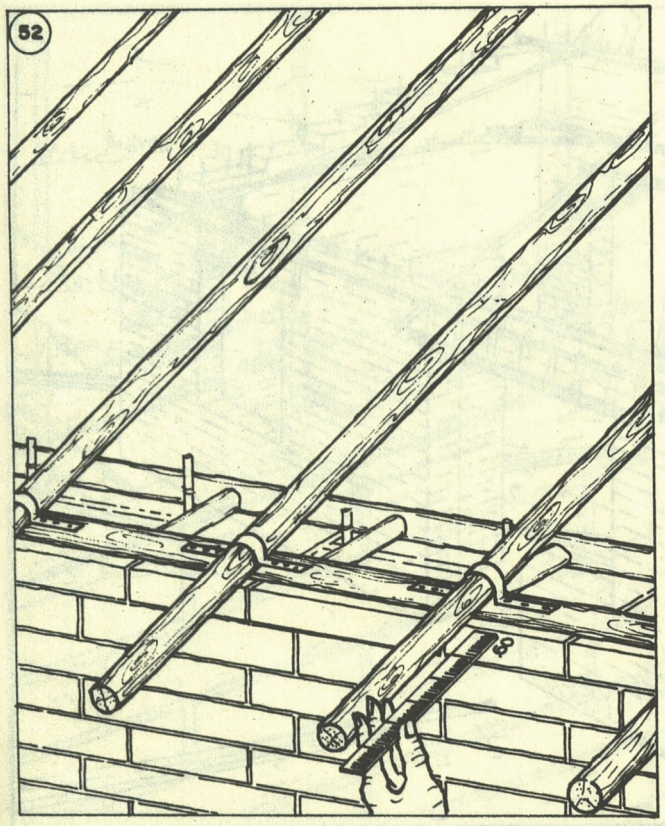
RELLENAR CON BARRO ENTRE LOS TRONCOS.



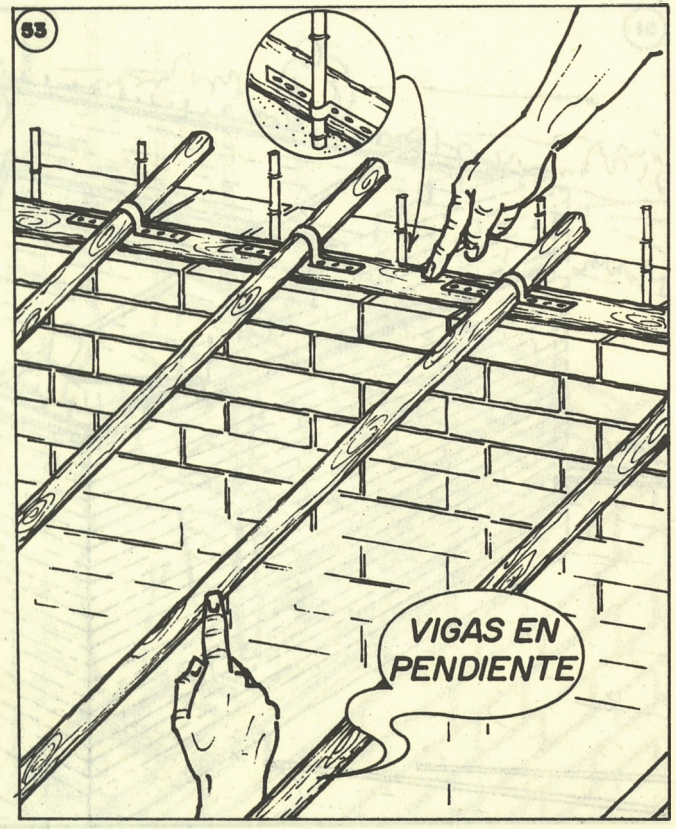
CLAVAR TIRAS DE MADERA ENTRE LOS DINTELES Y LA CADENA.



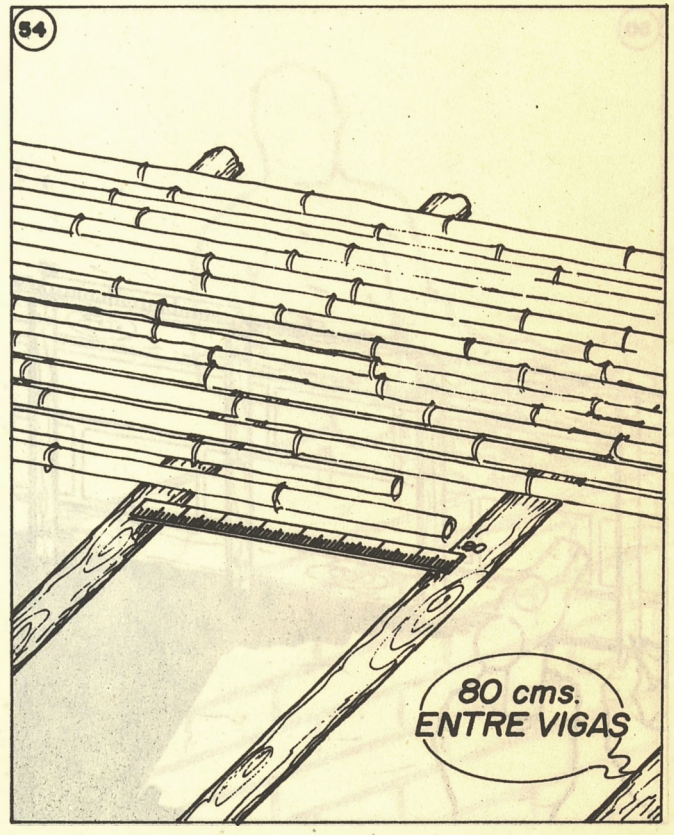
COMPLETAR LOS MUROS ALTOS Y COLOCAR EL TRONCO DE CUMBRERA Y ● VIGAS DE 4 ● PULGADAS CADA 80 cms.



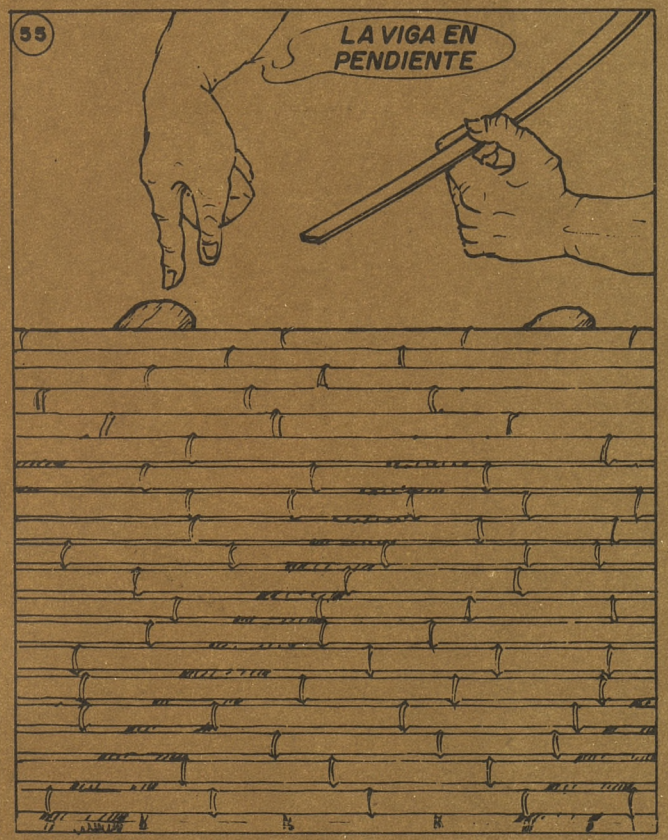
UNIR LAS VIGAS AL TRONCO EXTERIOR DE LA CADENA EN EL MURO BAJO.



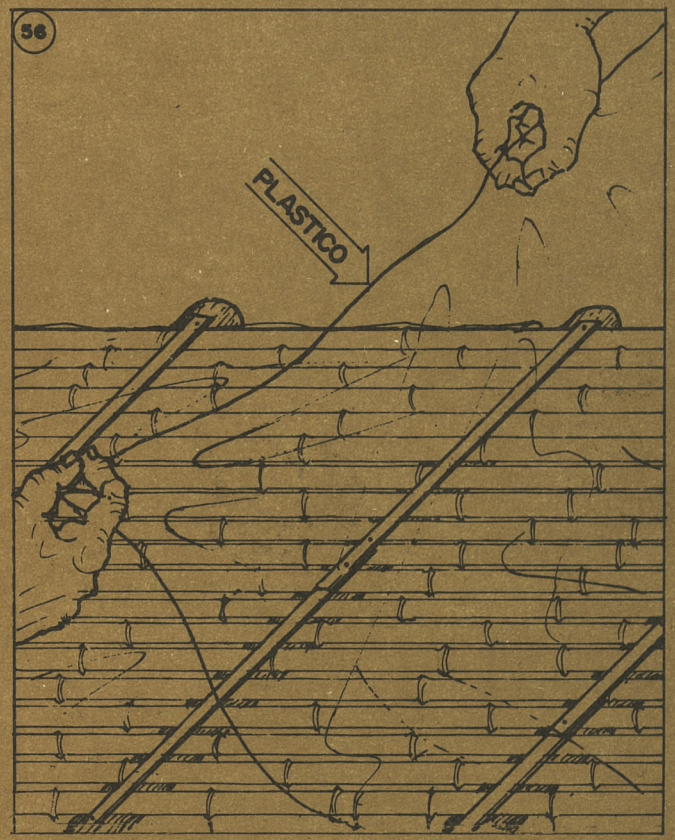
UNIR LAS VIGAS AL TRONCO DE LA CUMBRERA.



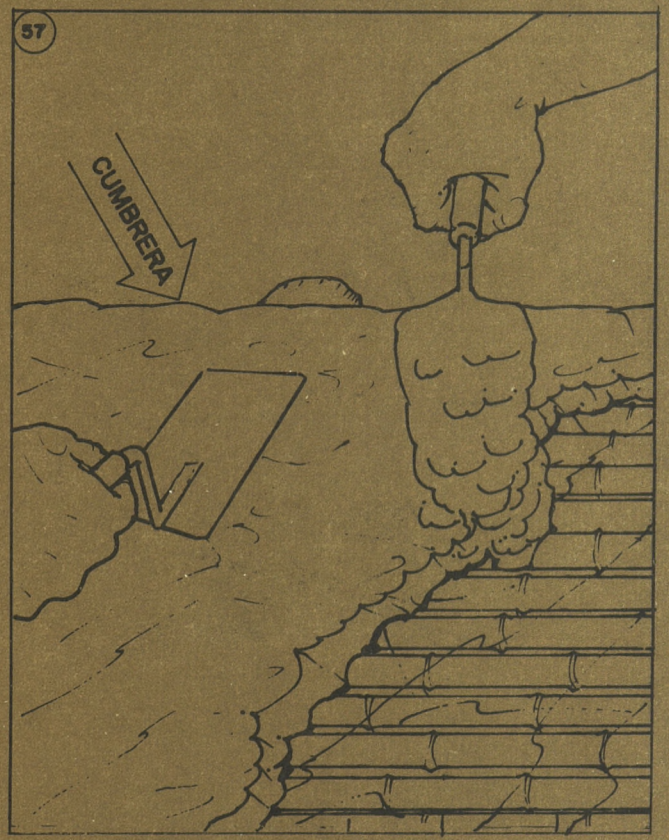
COLOCAR LAS CAÑAS DEL TECHO SOBRE LAS VIGAS.



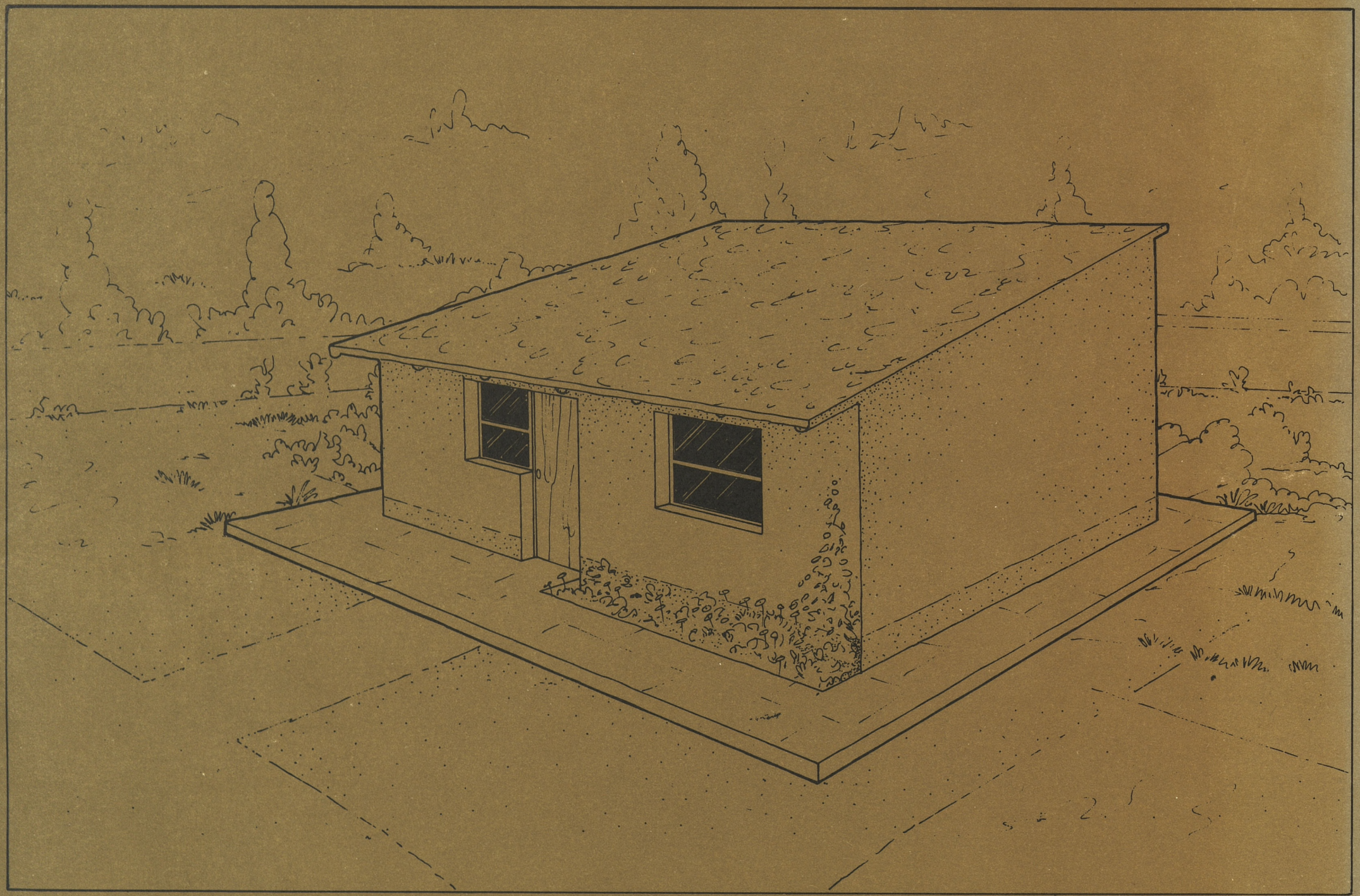
FIJAR LAS CAÑAS CON CINTAS DE MADERA CLAVADAS A LAS VIGAS CADA 20 cms.



PONER TELA PLASTICA TRASLAPANDO 15 cms.



ECHAR UNA CAPA DE BARRO DE 3 cms. Y MEDIO.



Editorial "ALFA" S.A.
Telf. 234160 - Lima