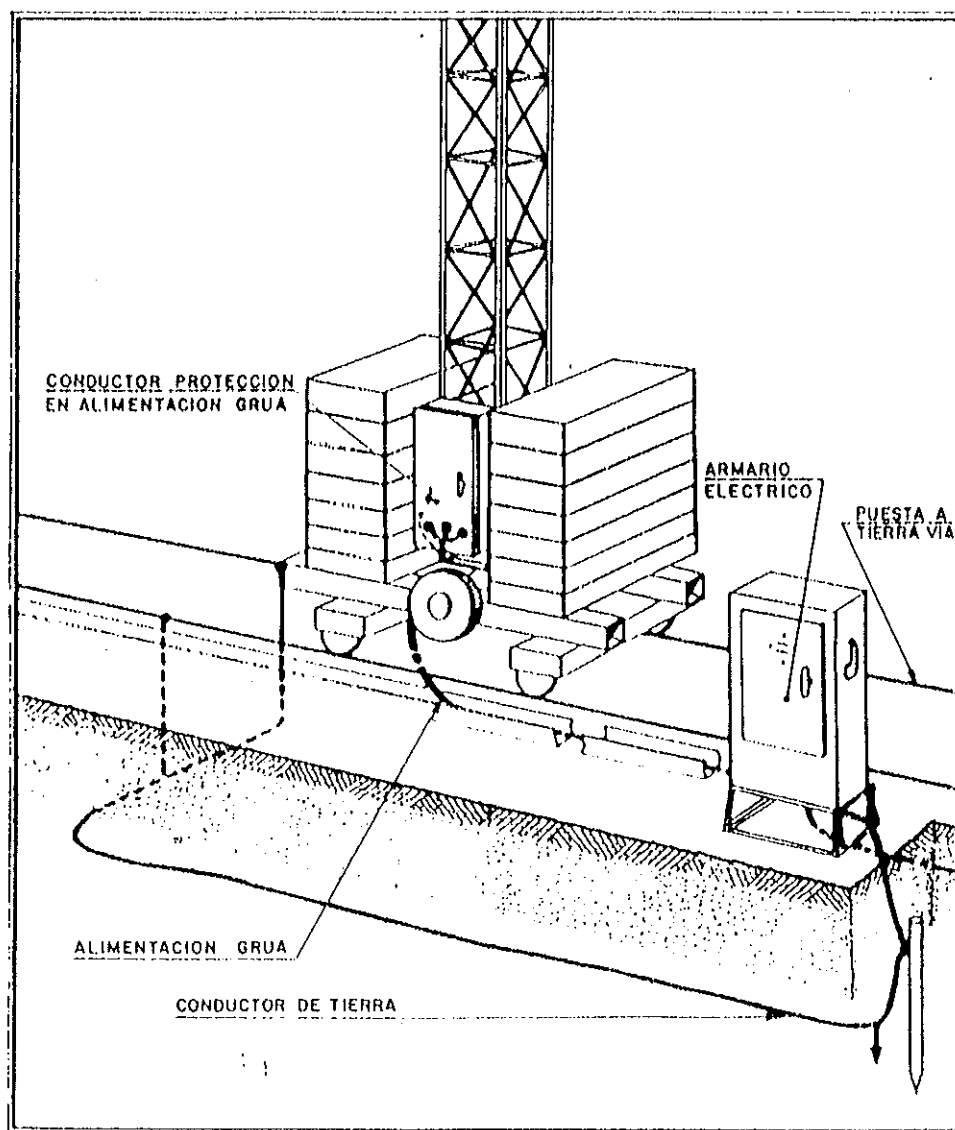
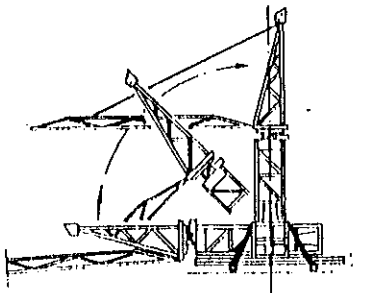


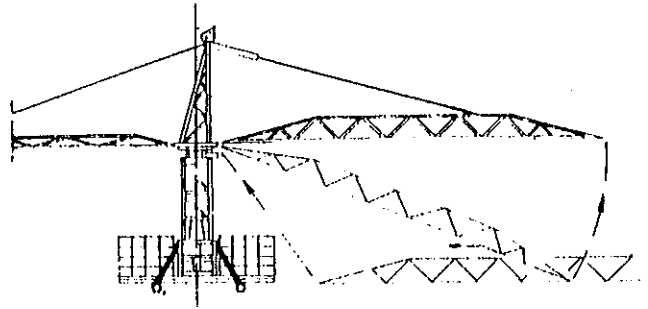
DETALLE Nº 1 . GRUA TORRE



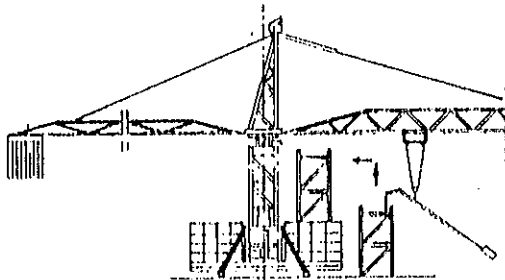
- MONTAJE DE UNA GRUA TORRE



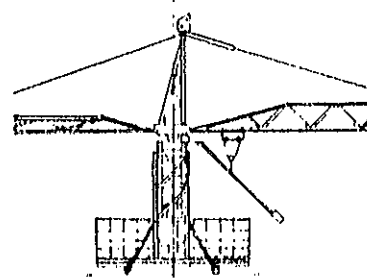
1º) SE LEVANTA DE TIERRA



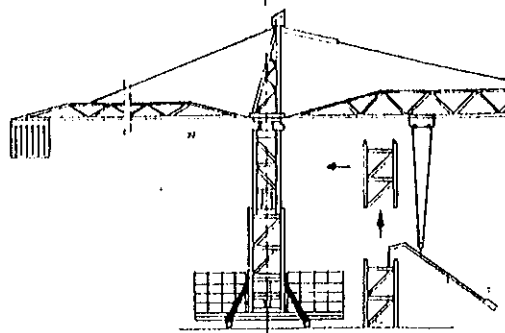
2º) INSTALACION CONTRAPESO Y PLUMA



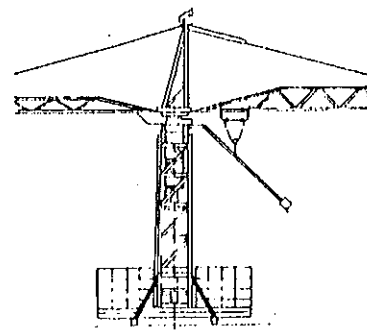
3º) LEVANTAMIENTO DEL PRIMER TRAMO



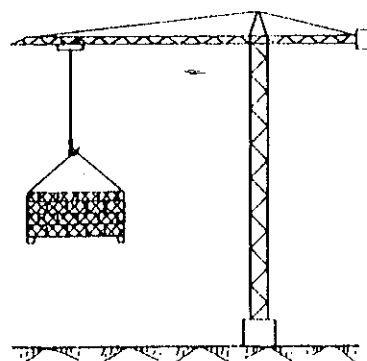
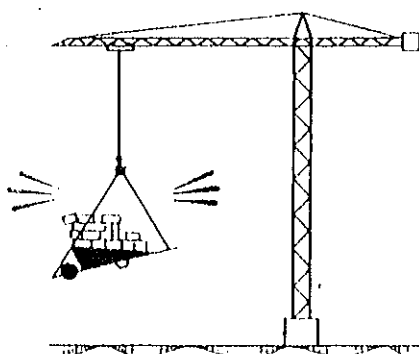
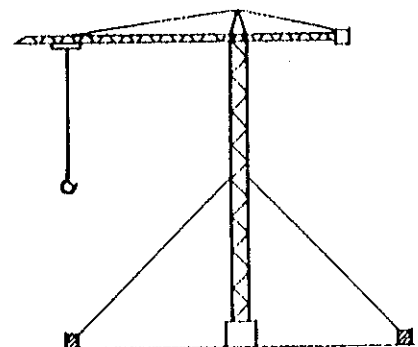
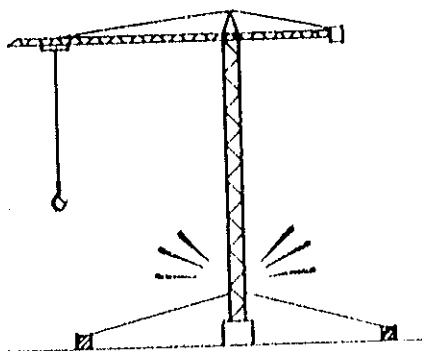
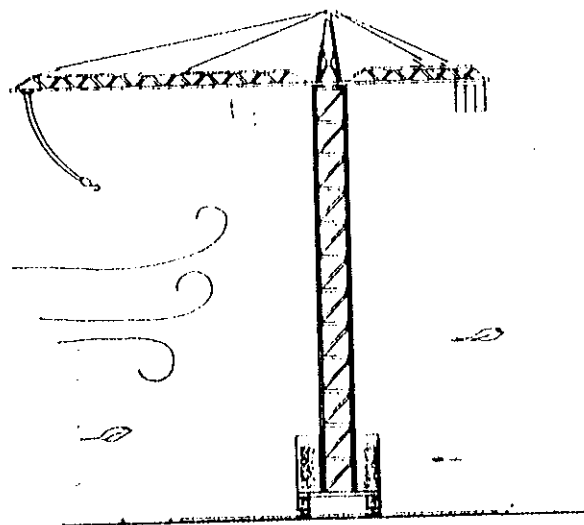
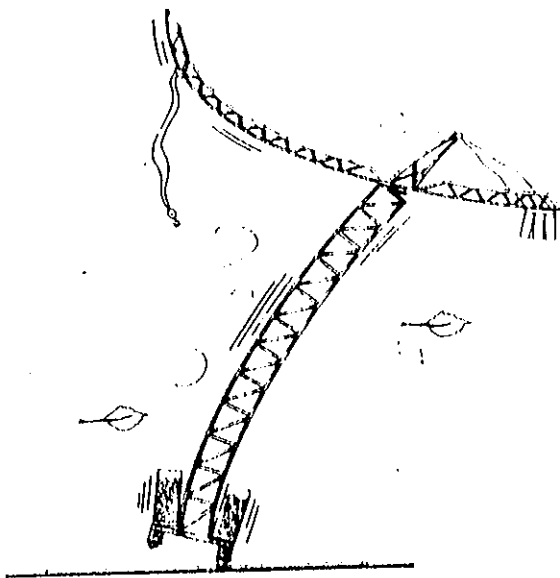
4º) INTRODUCCION DEL PRIMER TRAMO DEL BASTIDOR



5º) LEVANTAMIENTO DE LA GRUA CON EL PRIMER TRAMO

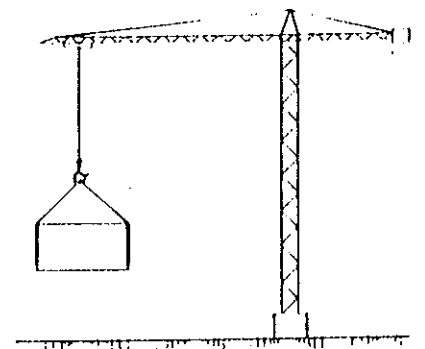
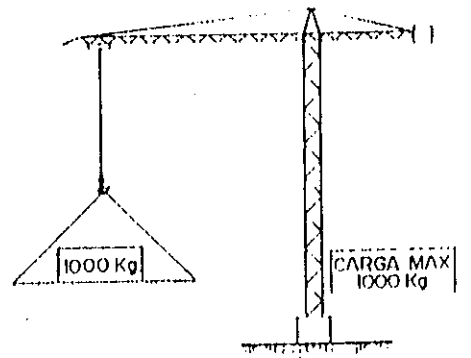
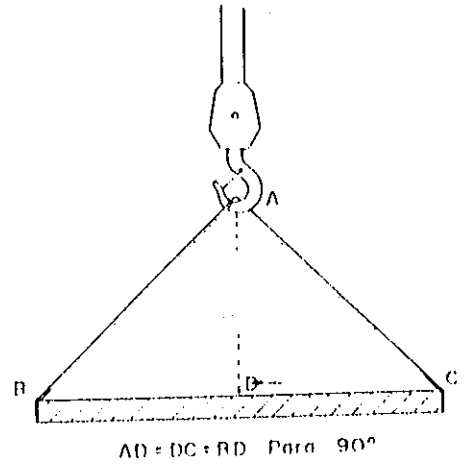
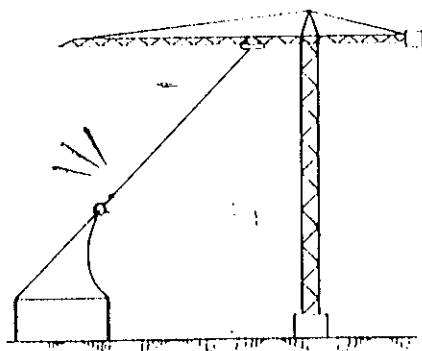
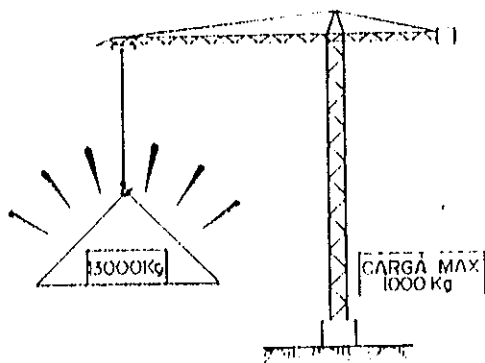
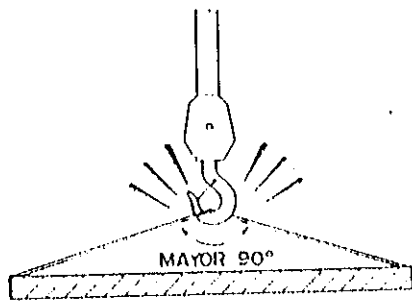


6º) OPERACION DE INTRODUCIR EL SEGUNDO TRAMO DEL BASTIDOR Y DE LOS SUCEIVOS



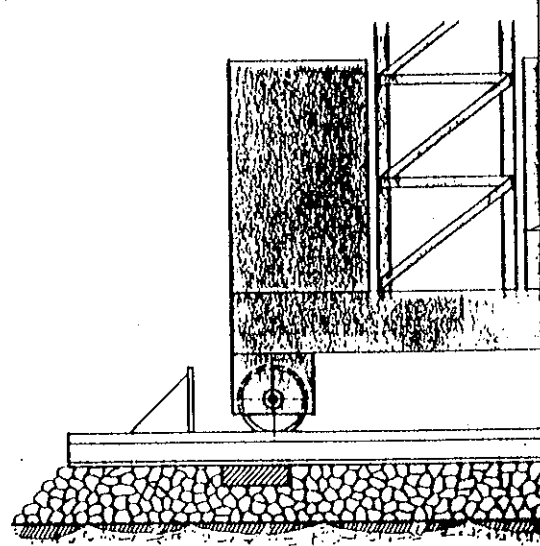
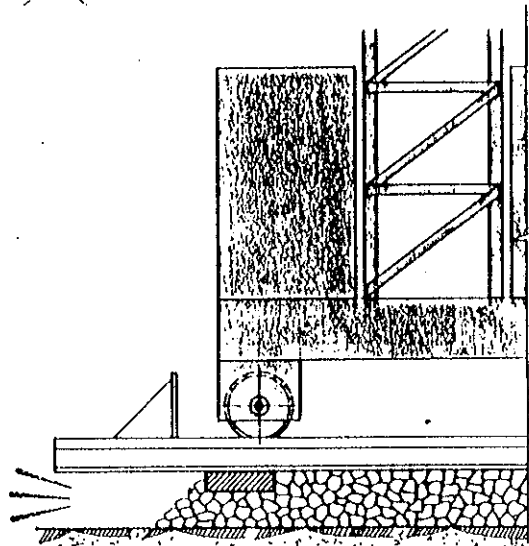
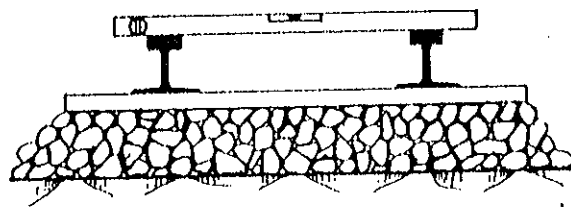
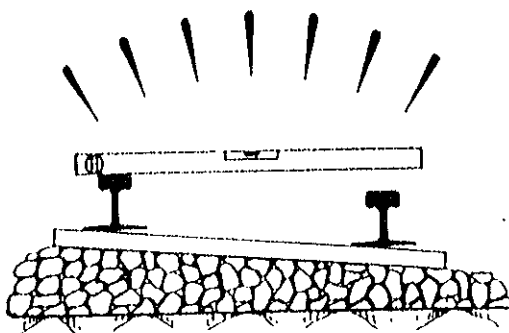
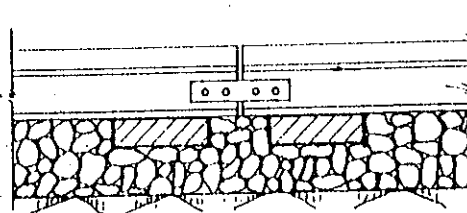
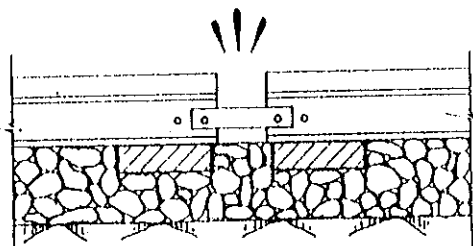
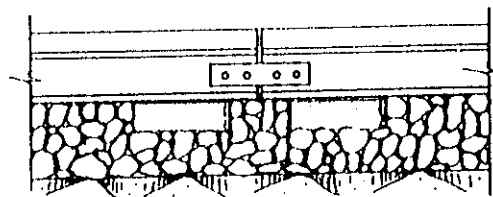
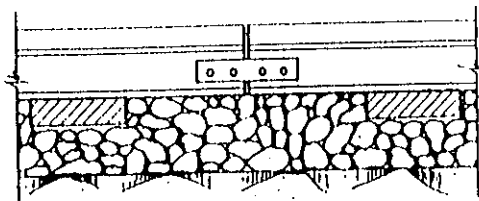
NO

SI



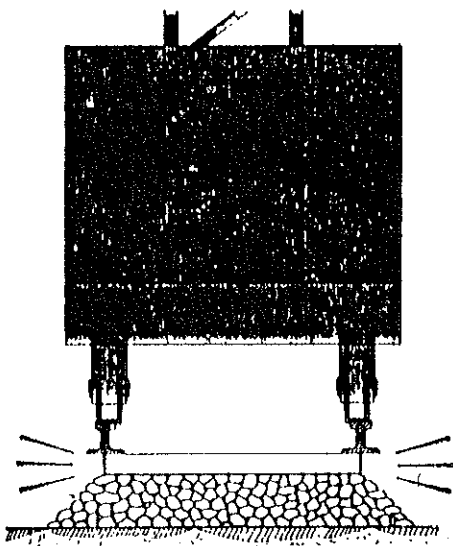
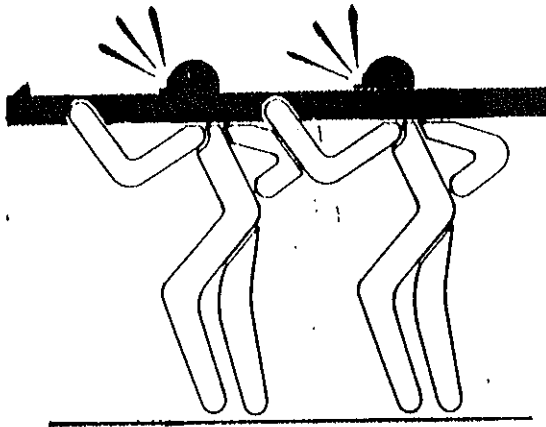
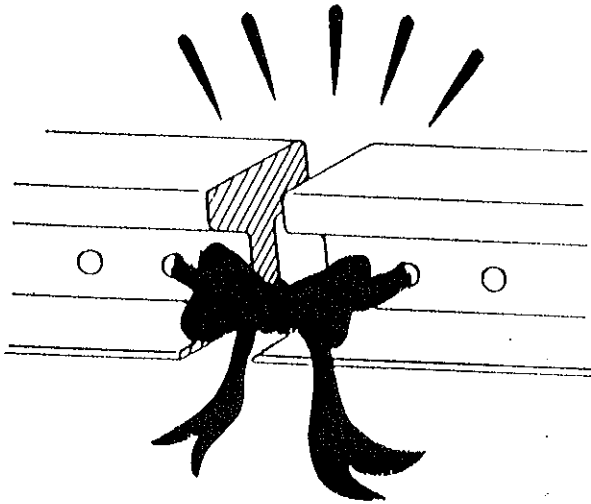
NO

SI

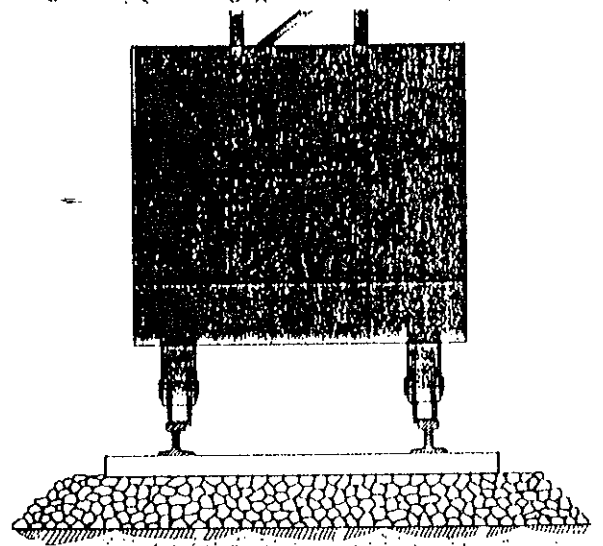
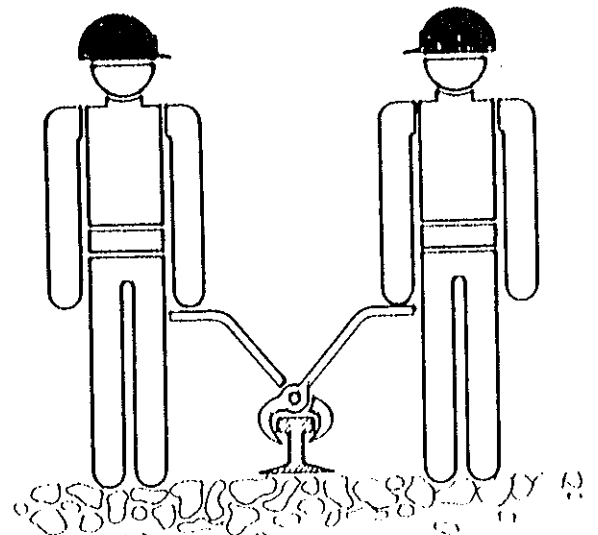
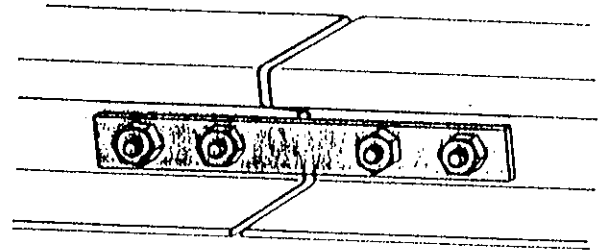


NO

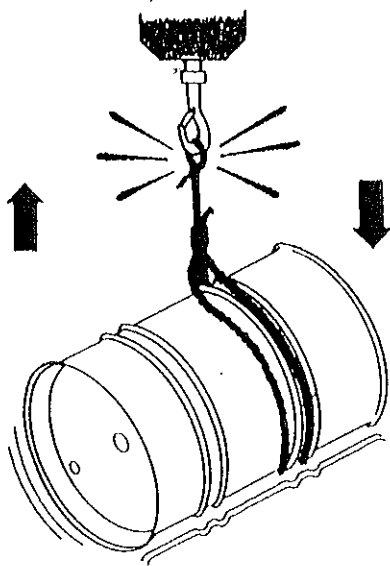
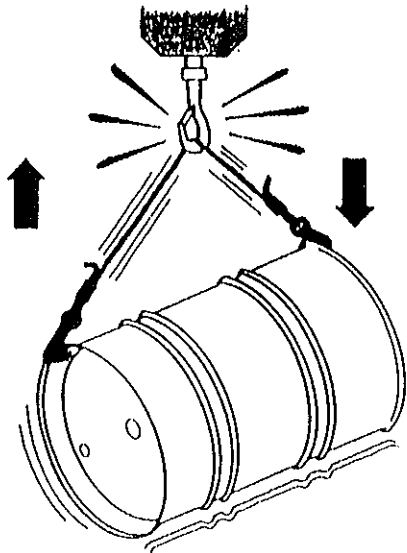
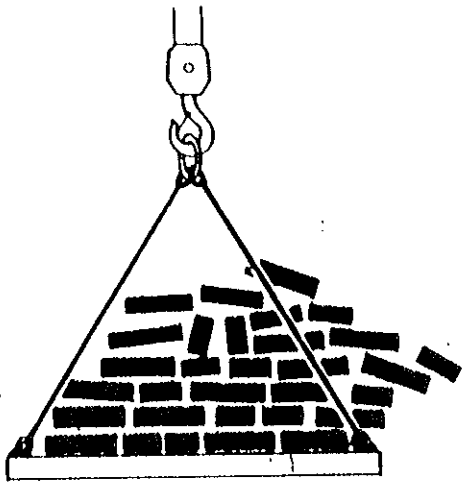
SI



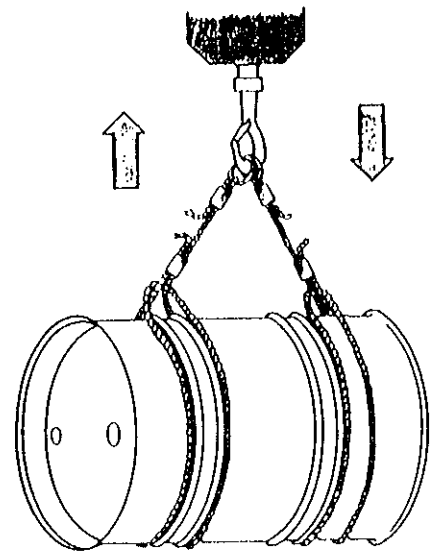
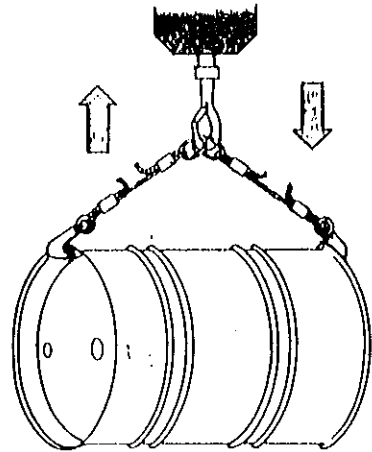
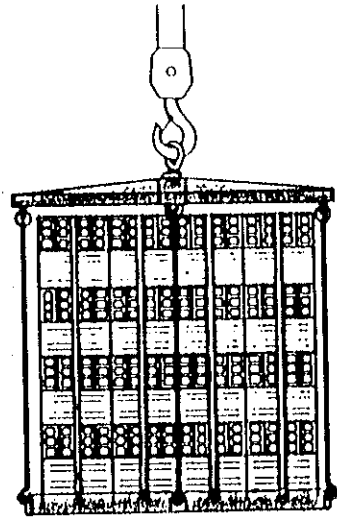
NO



SI

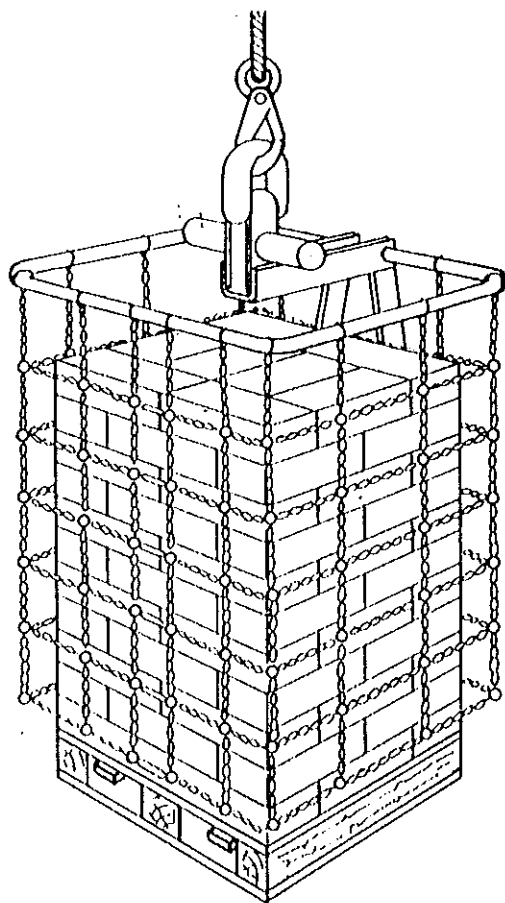


NO



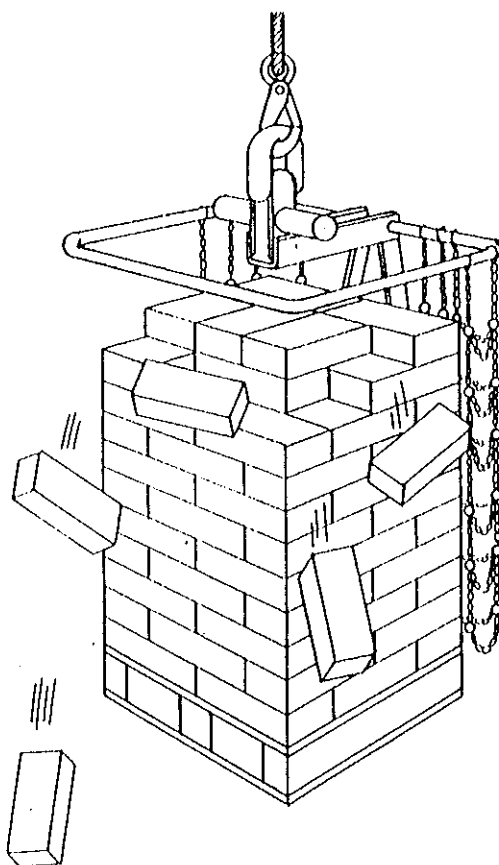
SI

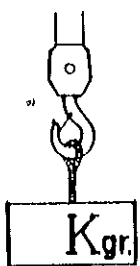
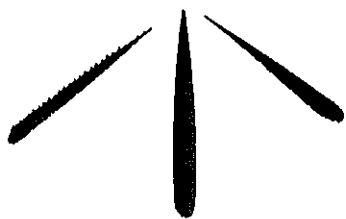
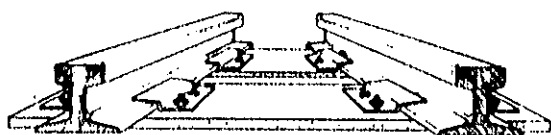
FABRICAS DE LADRILLO.



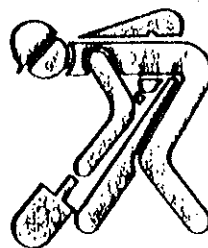
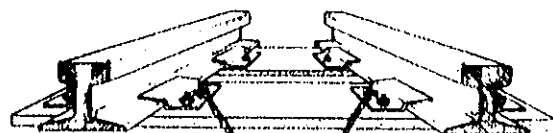
ACOPIO DE MATERIALES
EN JAULAS
CONVENIENTEMENTE
CERRADOS Y SUJETOS

FABRICAS DE LADRILLO.

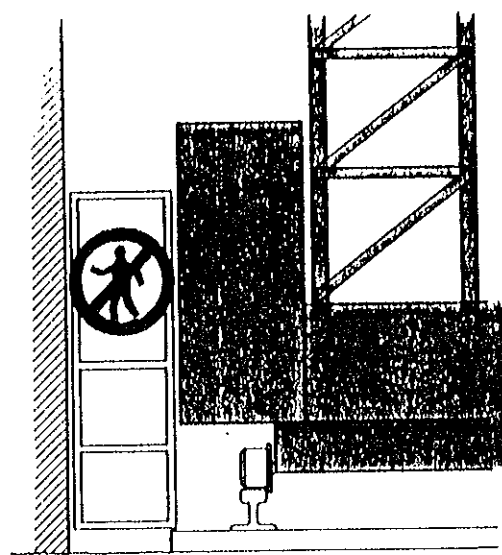
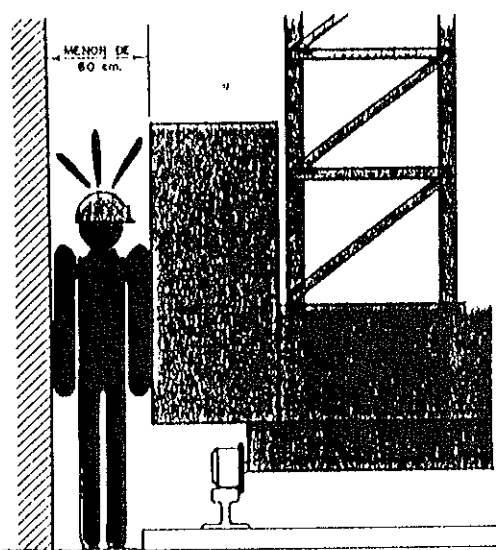
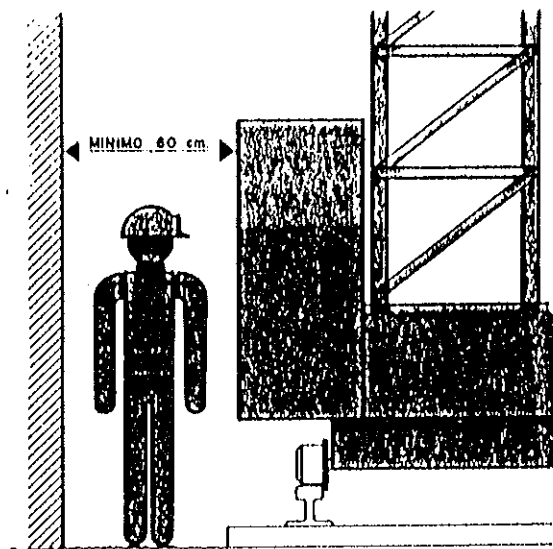
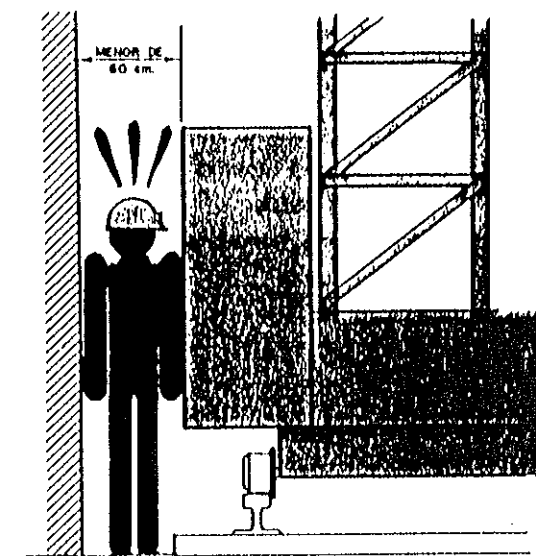




NO



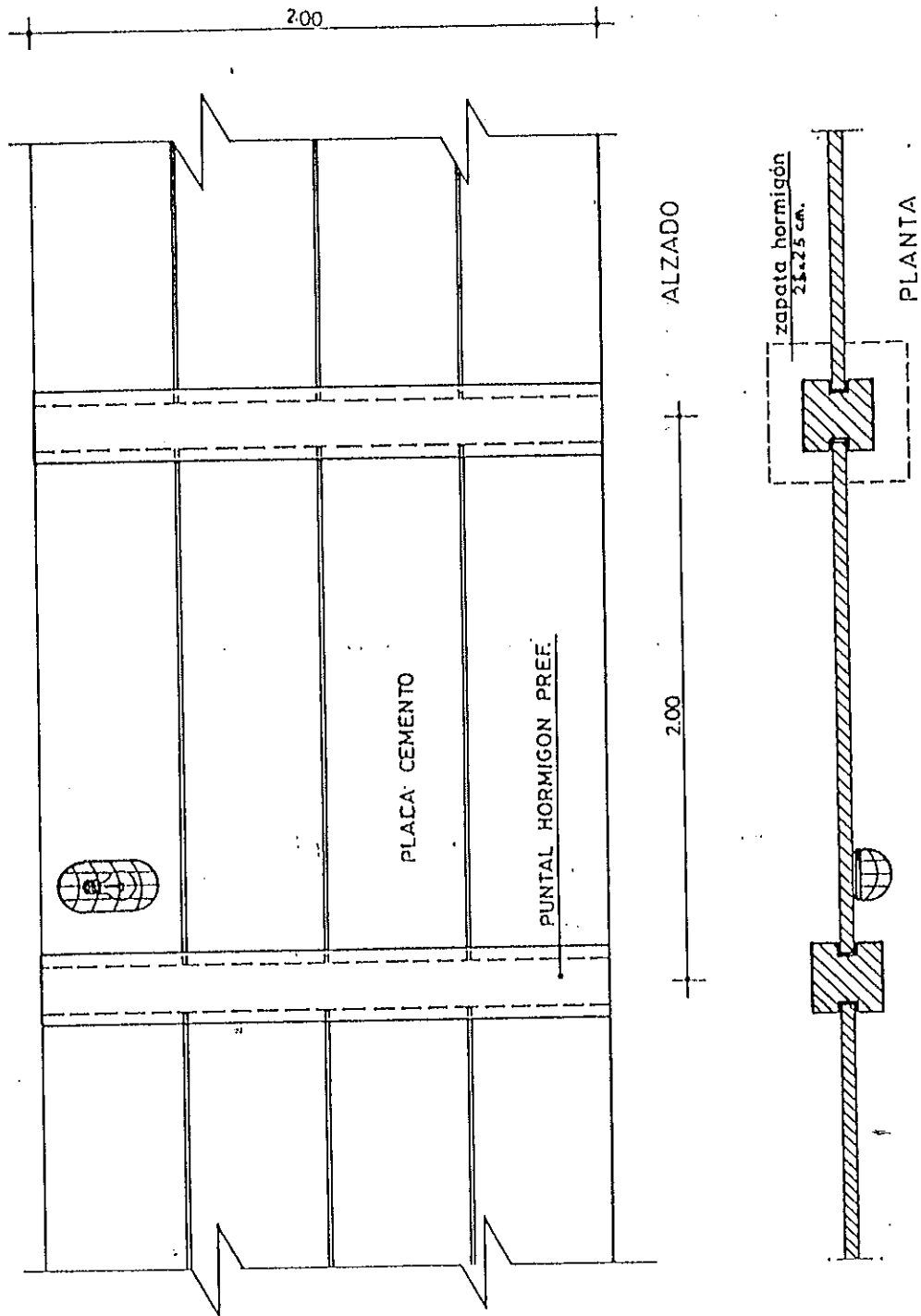
SI



NO

SI

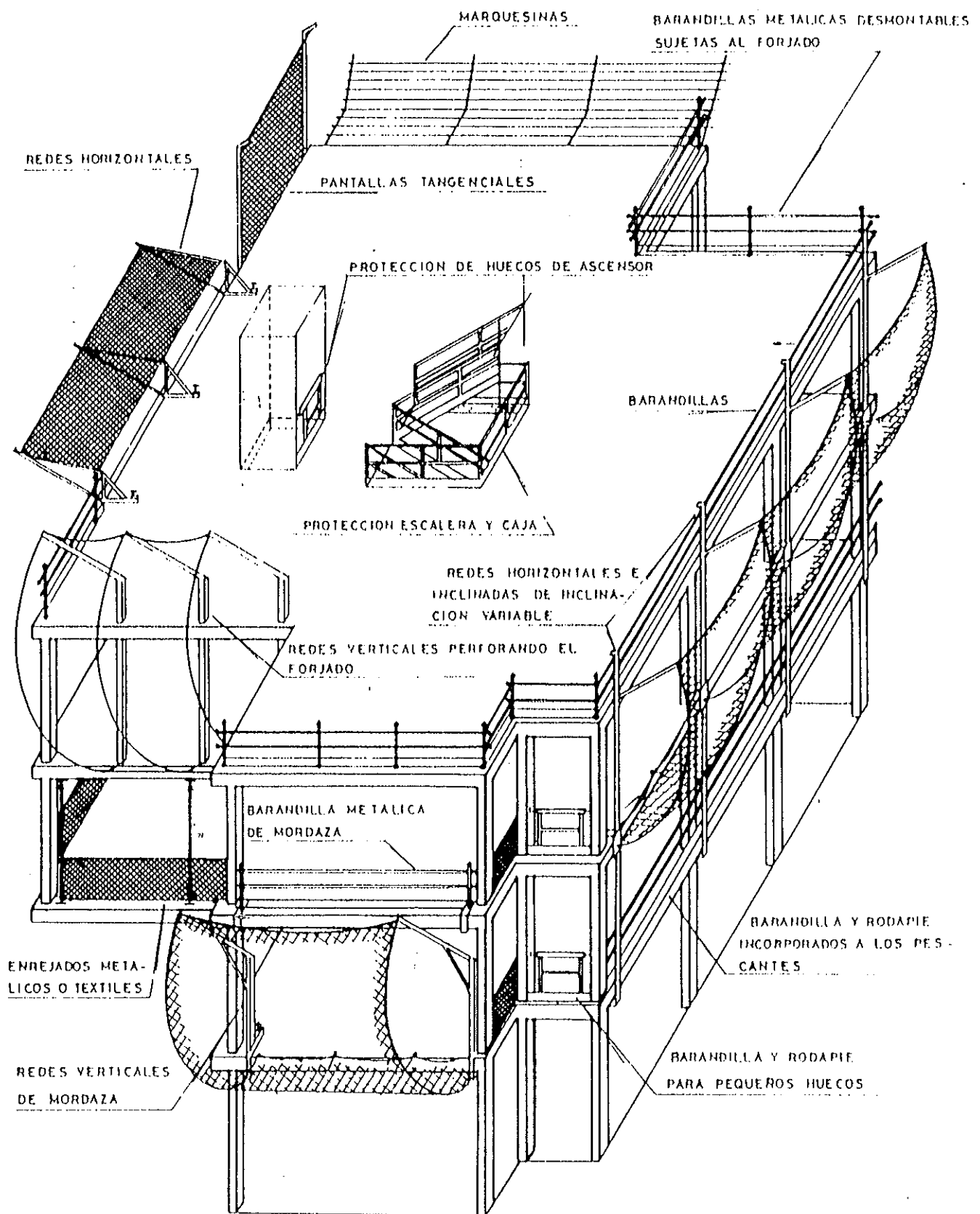
DETALLE Nº 2



esc: 1/225

— DETALLE CERRAMIENTO OBRA —

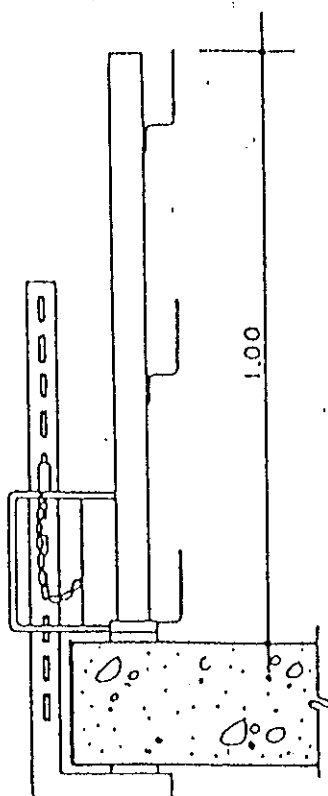
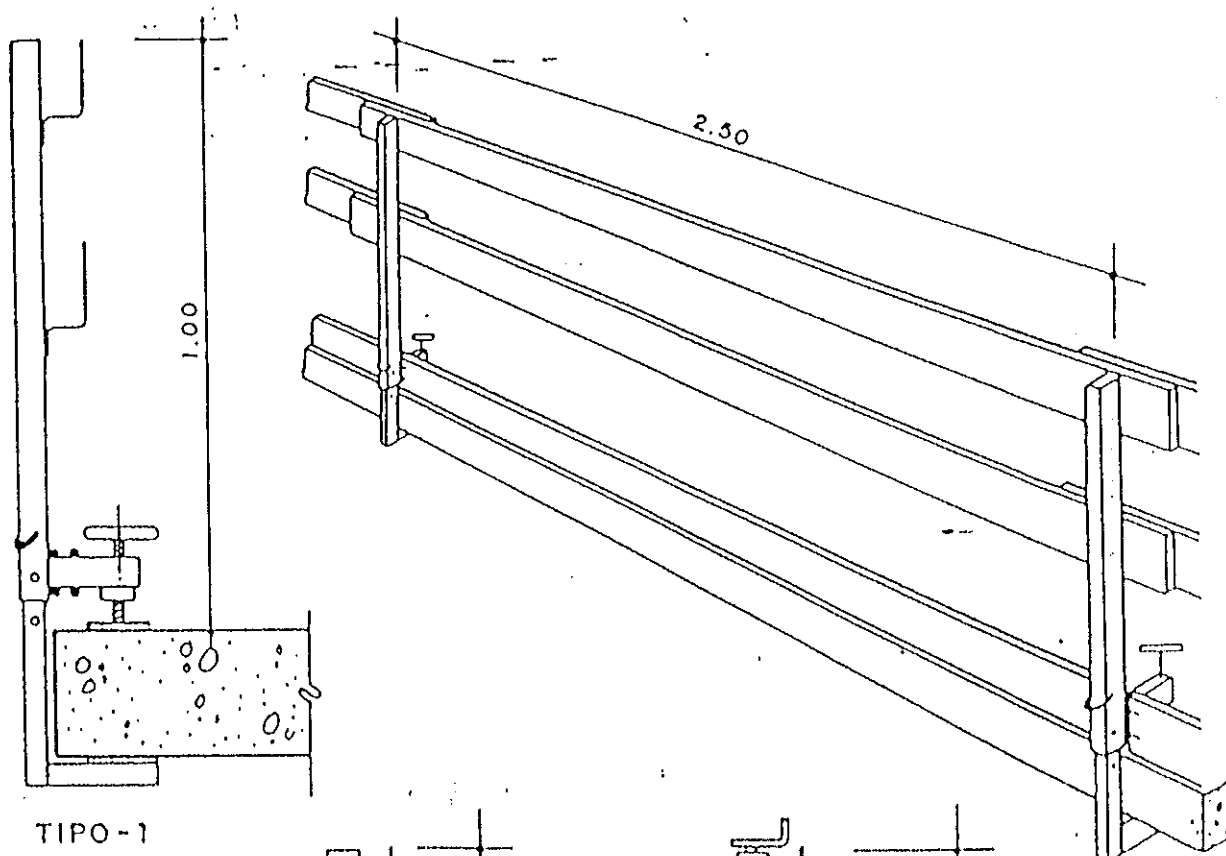
VISTA GENERAL DETALLES DEL Nº3 AL Nº11



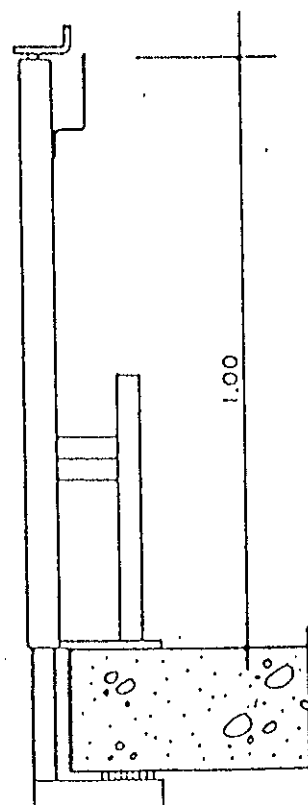
EJEMPLO DE COLOCACION DE TIPOS DE REDES Y BARANDILLAS

DETALLE Nº 3. BARANDILLA PROTECCION HUECO

BARANDILLA CON SOPORTE TIPO "SARGENTO"

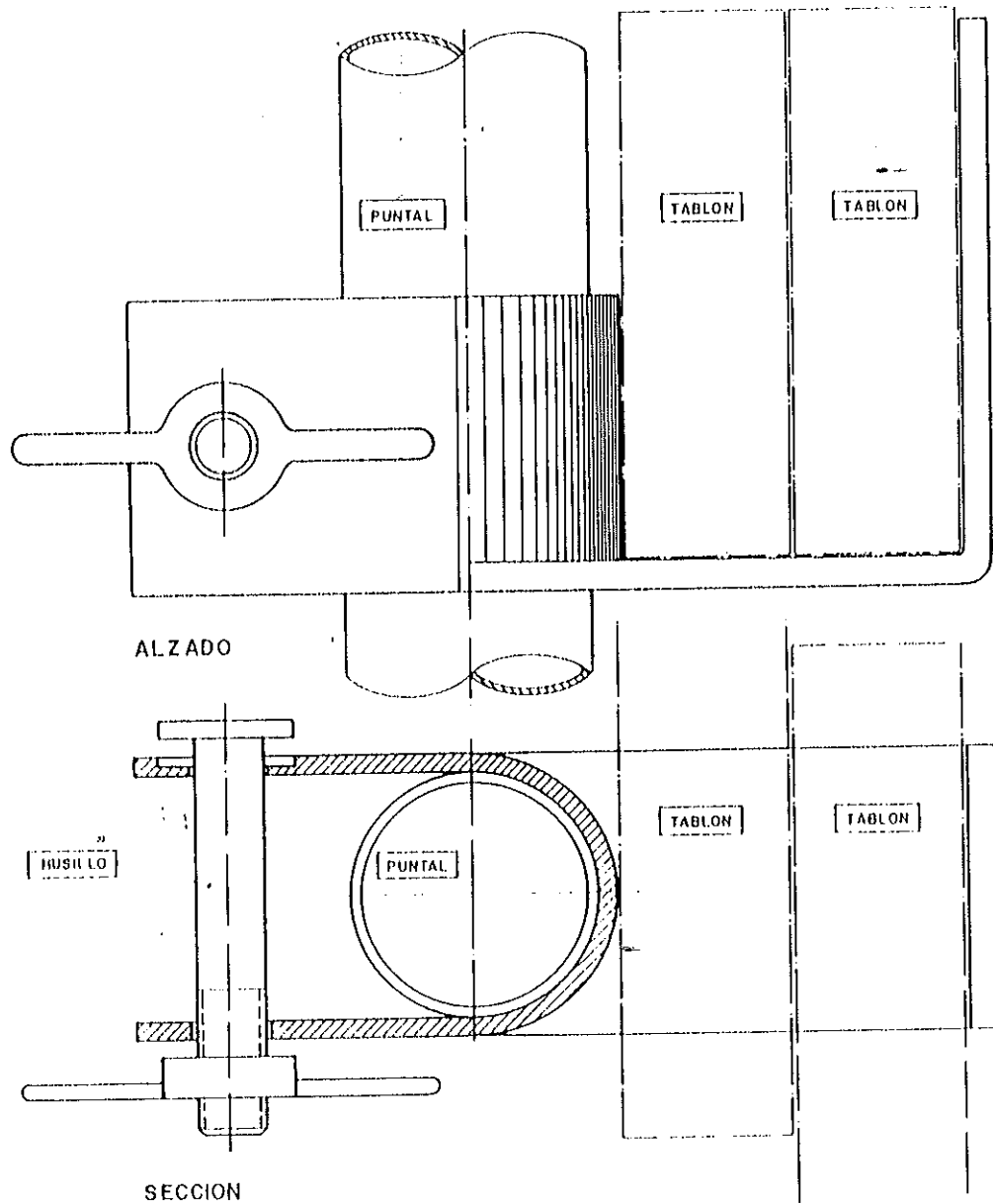


TIPO - 2

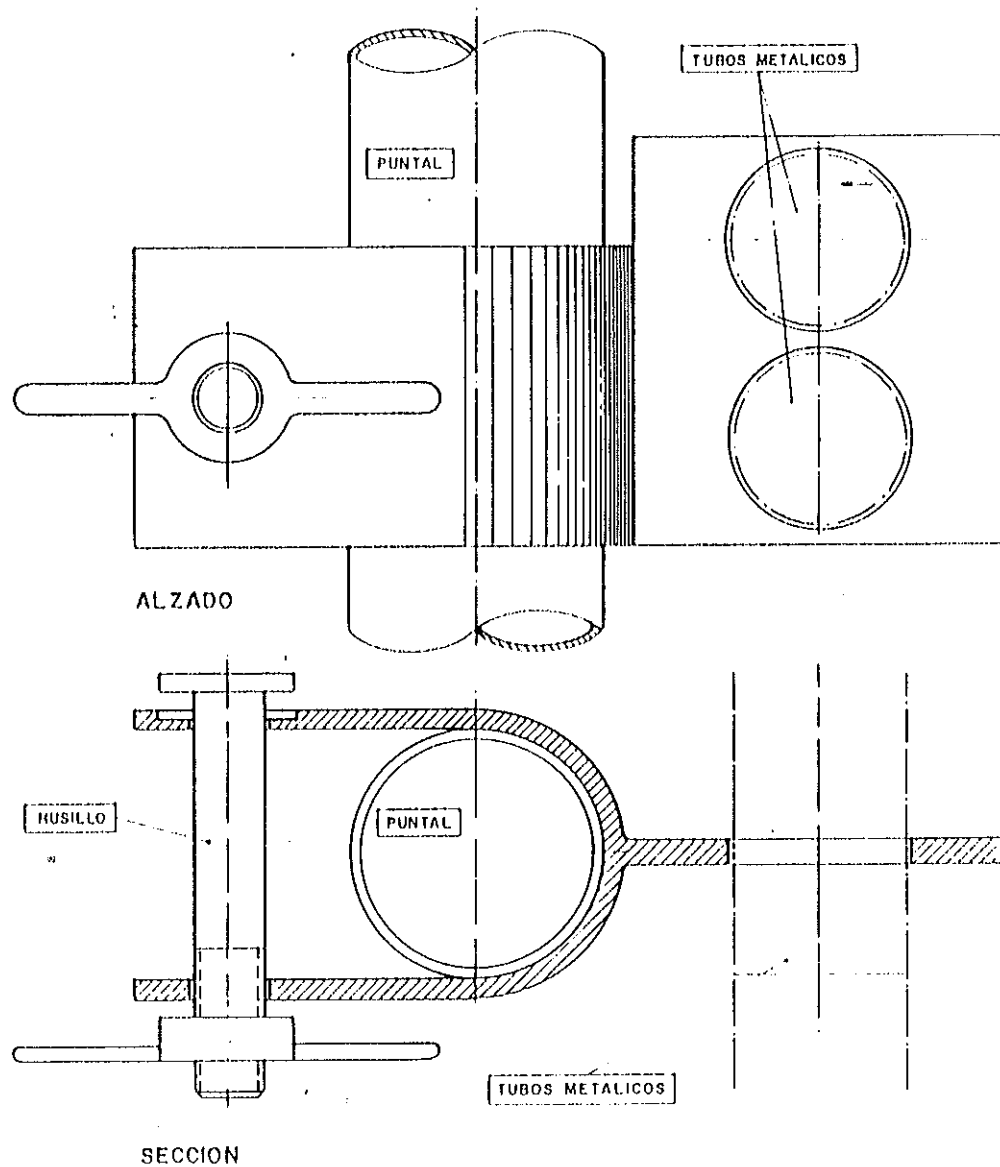


TIPO - 3

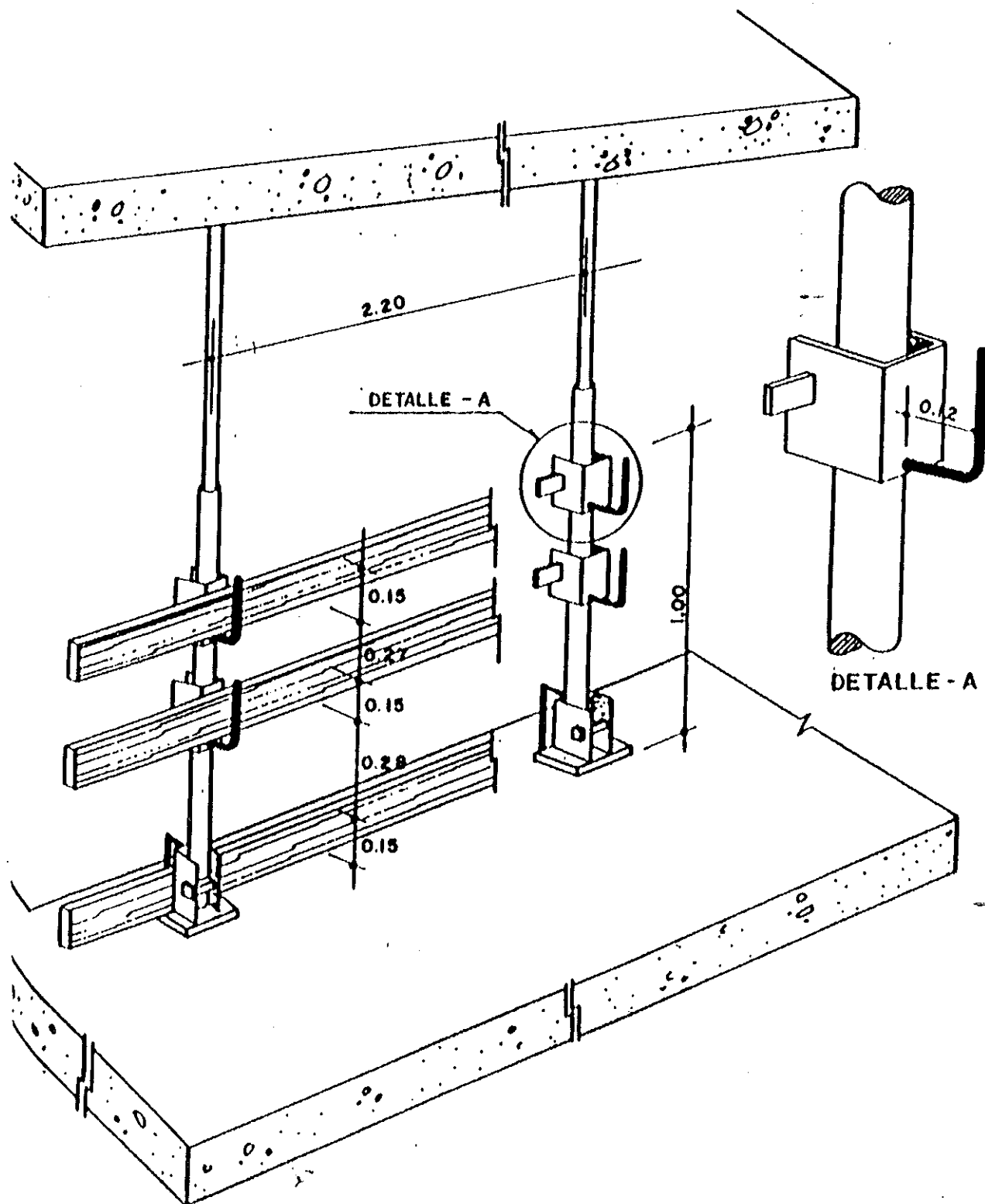
BRIDA POR APRIETO PARA FORMAR BARANDILLAS
DE MADERA SOBRE PUNTALES METALICOS



BRIDA POR APRIETO PARA FORMAR SOBRE PUNTALES
BARANDILLAS TUBULARES

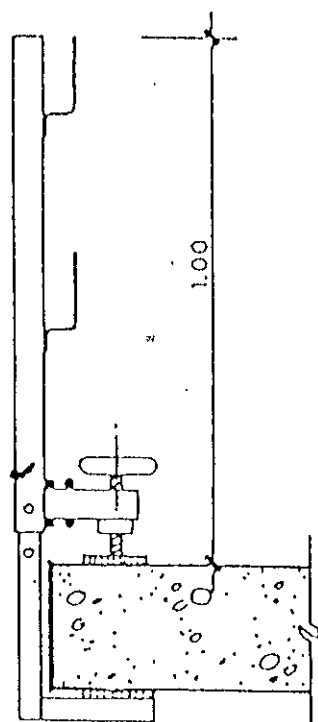
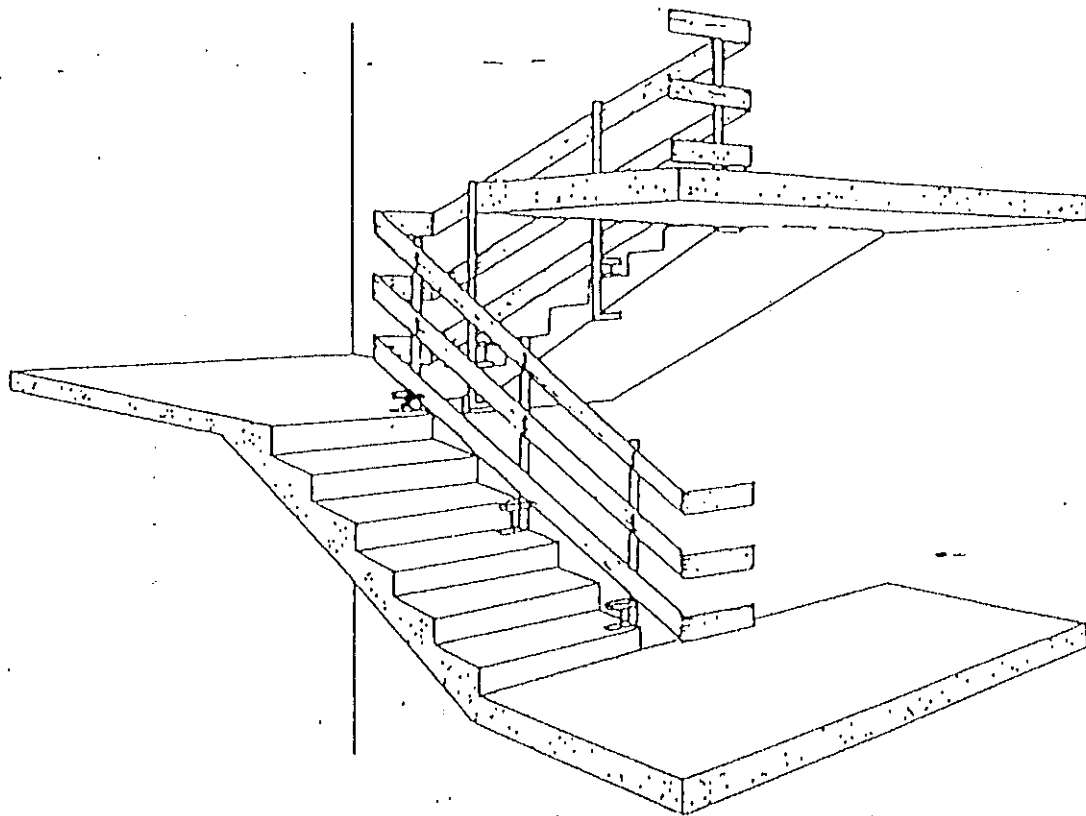


SOPORTES PARA BARANDILLAS ACOPLABLES A PUNTALES

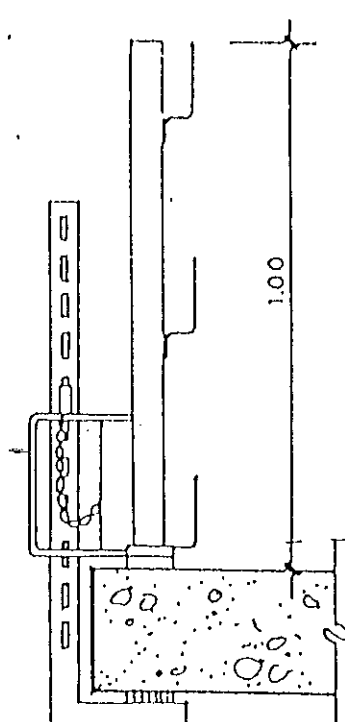


DETALLE Nº4. BARANDILLA PROTECCION ESCALERAS

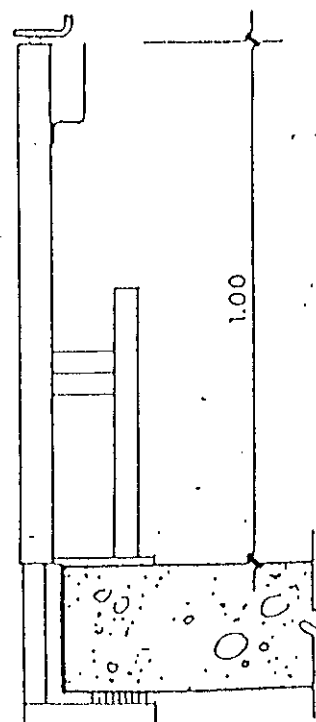
BARANDILLA CON SOPORTE TIPO "SARGENTO"



TIPO-1

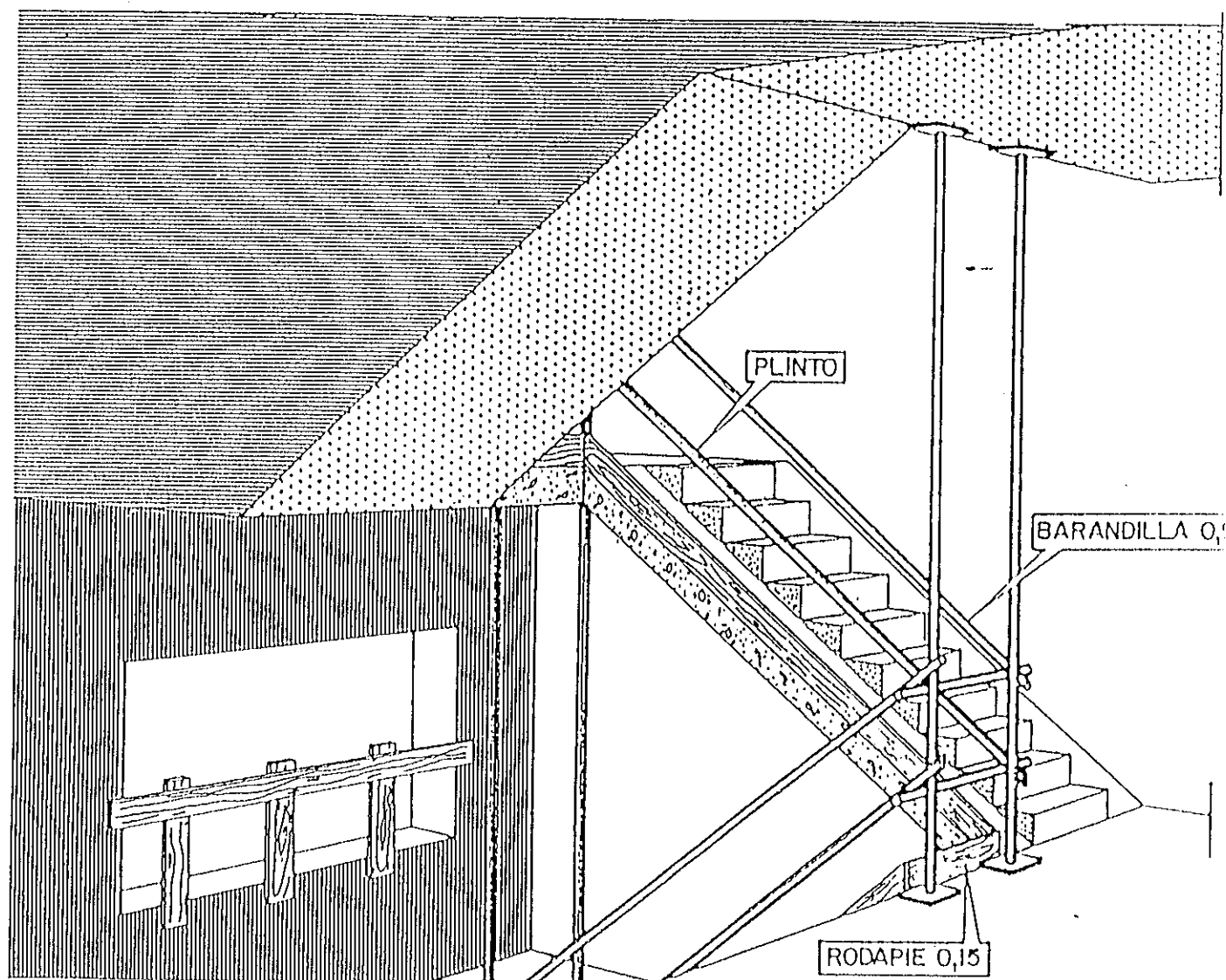


TIPO-2



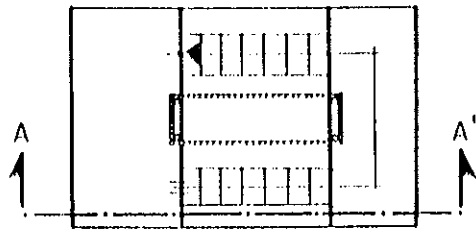
TIPO-3

DETALLE Nº4



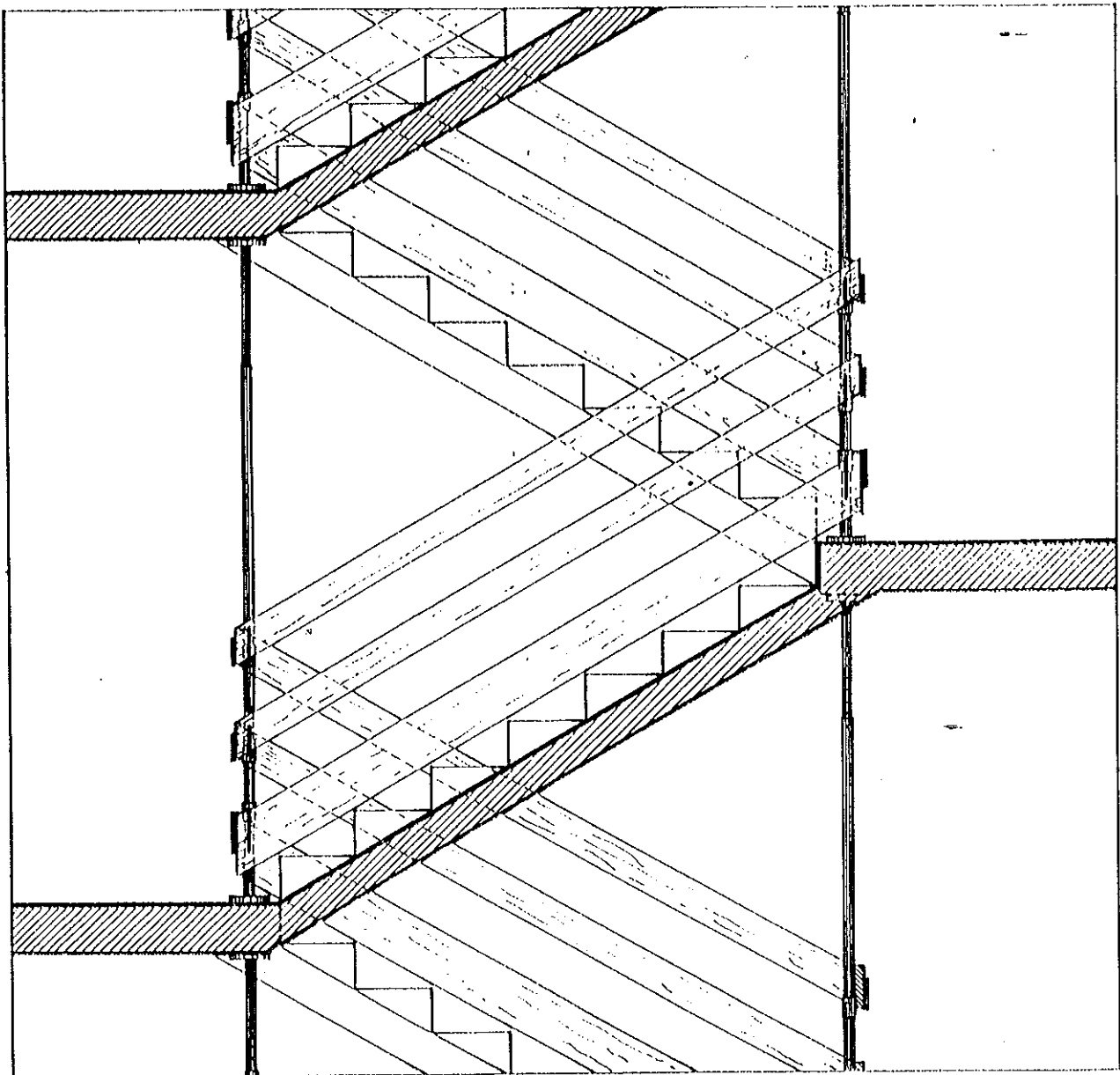
„ Protección de huecos de escalera y de ventanas.

DETALLE Nº4

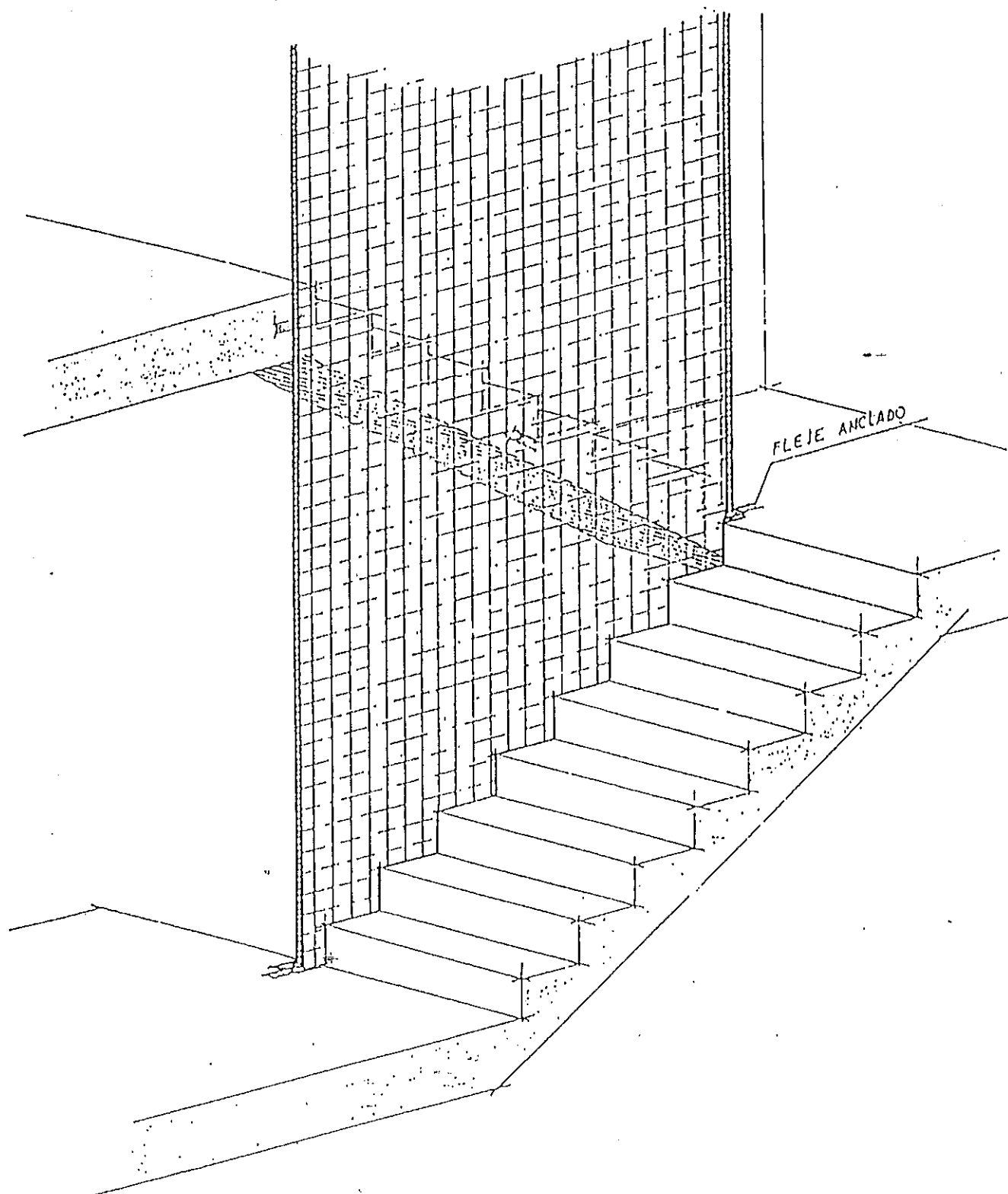


PLANTA

SECCION POR A-A'



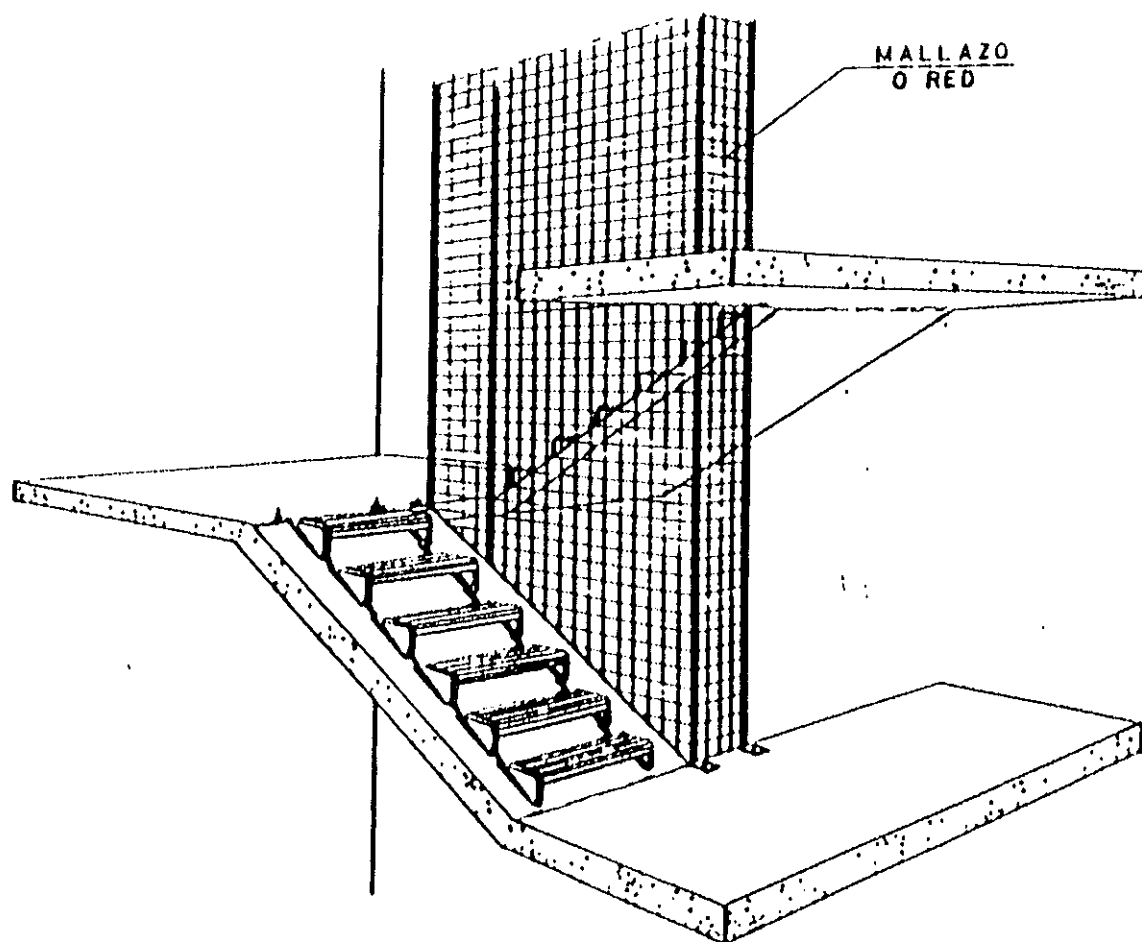
DETALLE Nº5 (ALTERNATIVO AL Nº4)



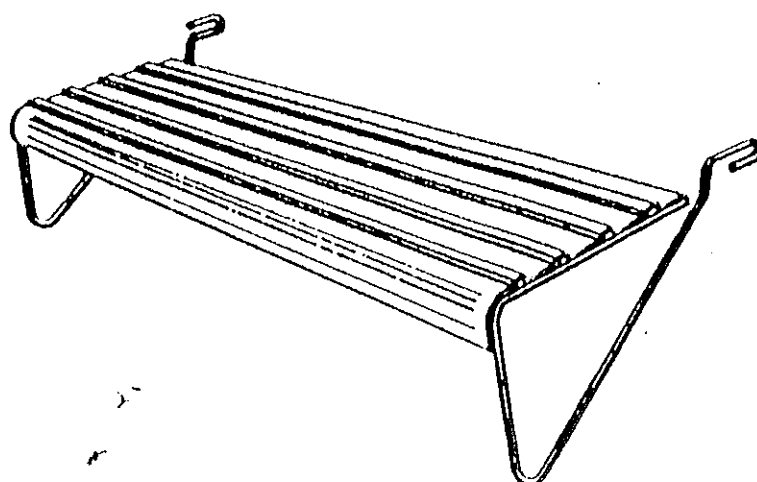
Protección de huecos de escalera mediante red.

DETALLE Nº5. (ALTERNATIVO AL Nº4)

PROTECCION DE HUECO DE ESCALERA CON MALLAZO O RED



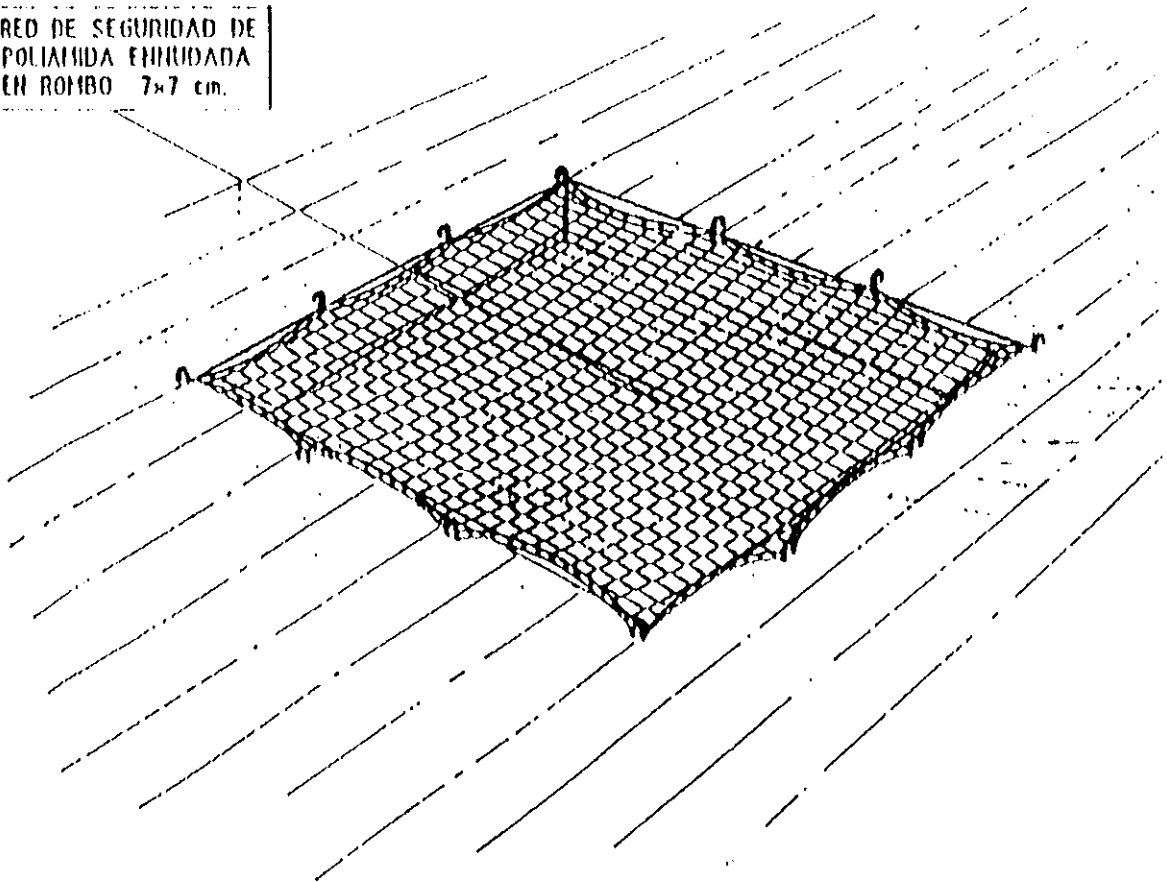
DETALLE DE UN POSIBLE TIPO DE PELDAÑO METALICO



DETALLE Nº 6 . RED HUECO HORIZONTAL

PROTECCION HUECOS HORIZONTALES CON RED.

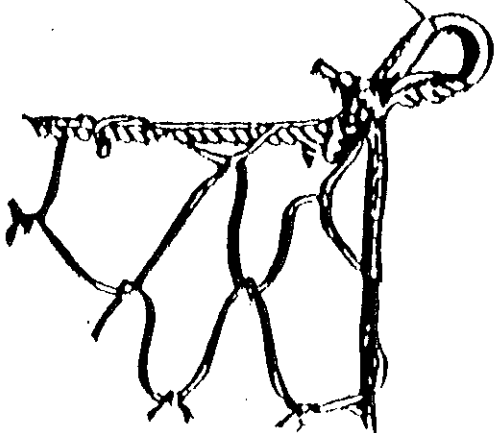
RED DE SEGURIDAD DE
POLIAMIDA ENTREDAADA
EN ROMBO 7x7 cm.



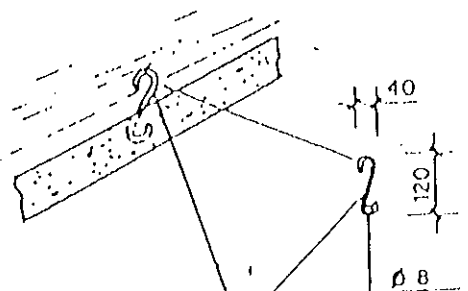
DETALLE -

VER PLANTA ESTRUCTURAL ALZADO Y SECCION

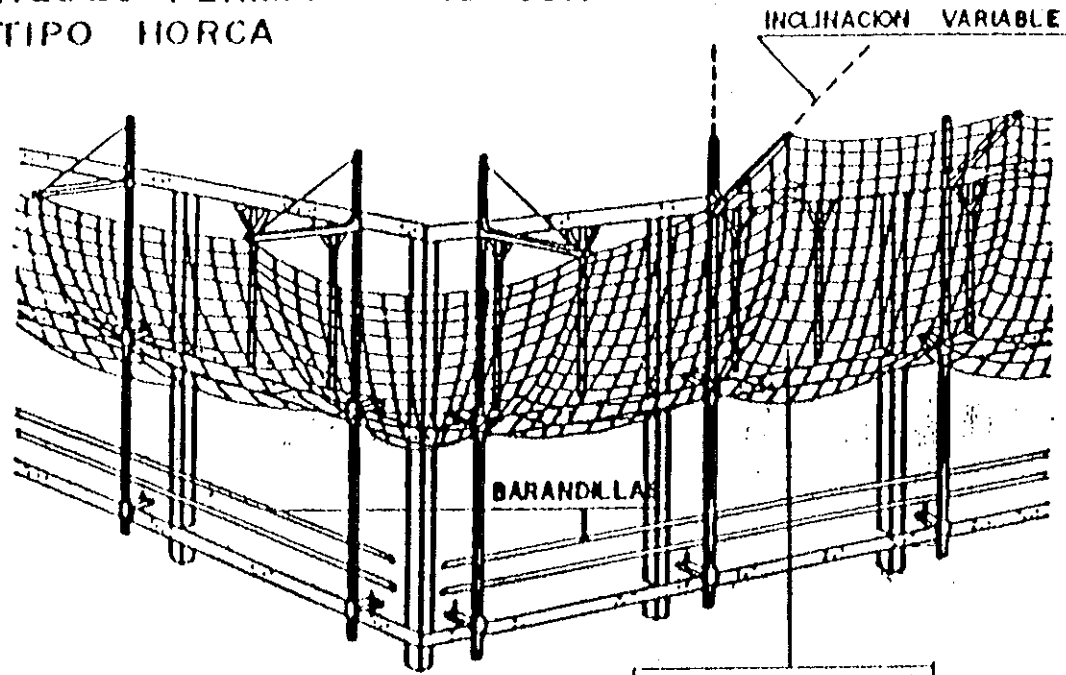
GUARDA-CABOS
ENGANCHE DE RED



ANCLAJE PARA REDES
INCORPORAR AL FORJADO
AL ECHAR EL HORMIGON

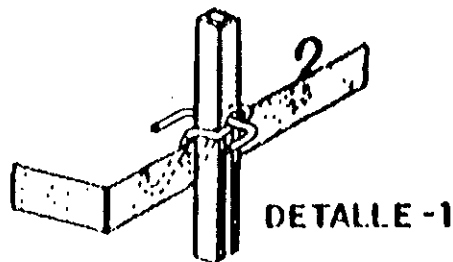


REDES PERIMETRALES CON SOPORTE METALICO
TIPO HORCA

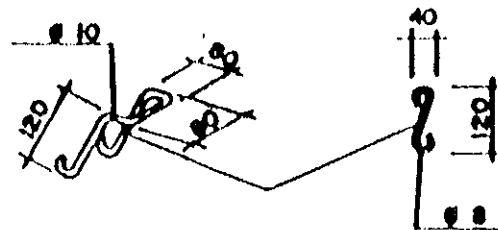


DETALLE -

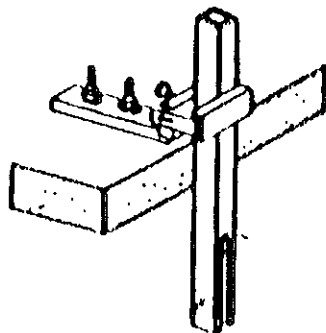
VER PLANTA ESTRUCTURA ALZADO Y SECCION



DETALLE -1



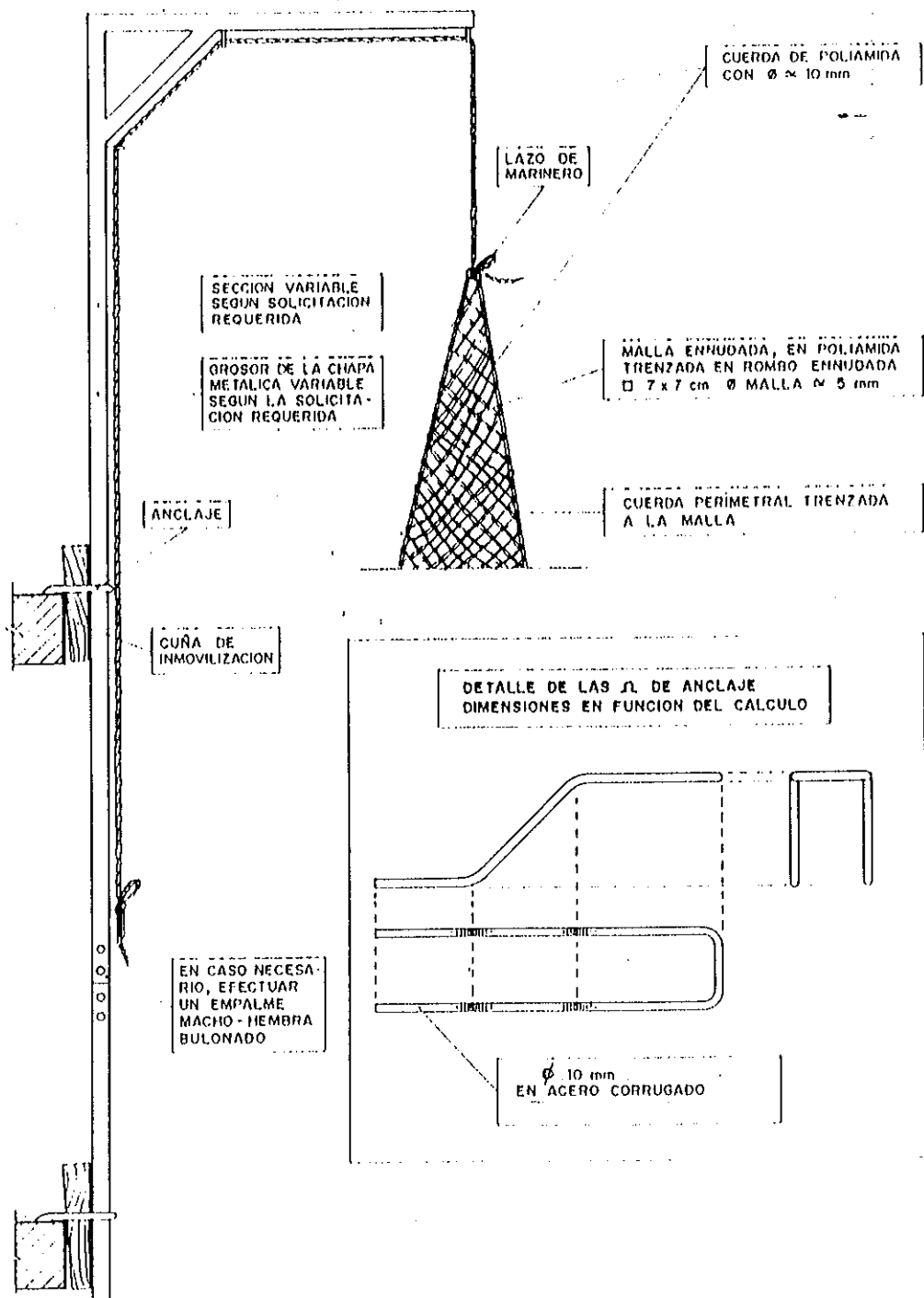
DETALLE -2



DETALLE -3

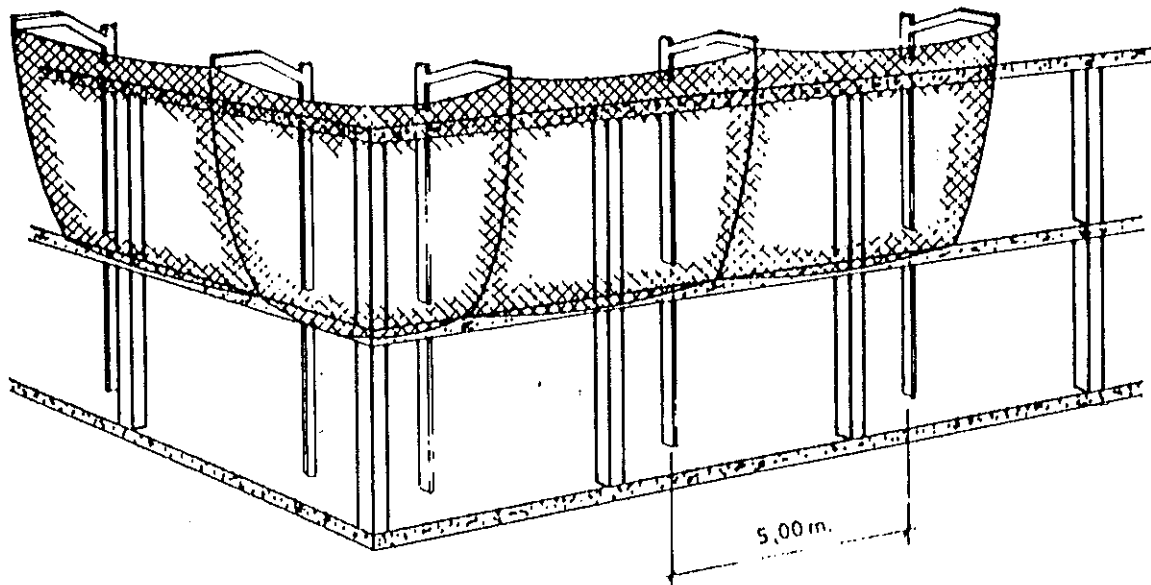
DETALLE Nº 7

HORCON SIMPLE

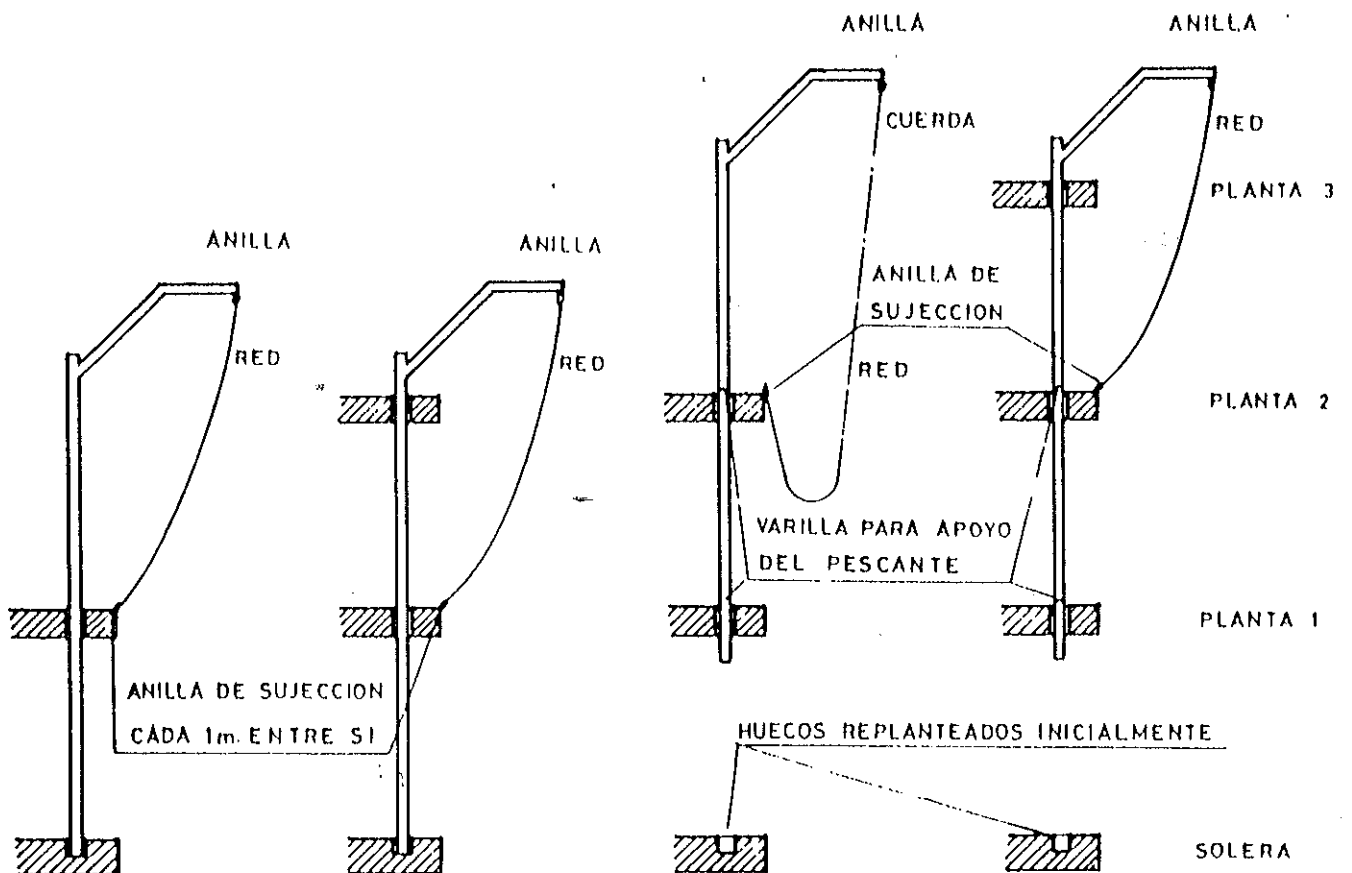


DETALLE Nº 7

REDES VERTICALES POR SISTEMA DE PERFORACION DE FORJADOS O POR OMEGAS



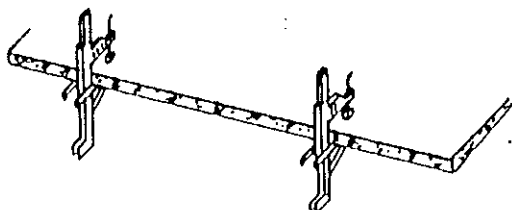
DETALLE GENERAL DE INSTALACION



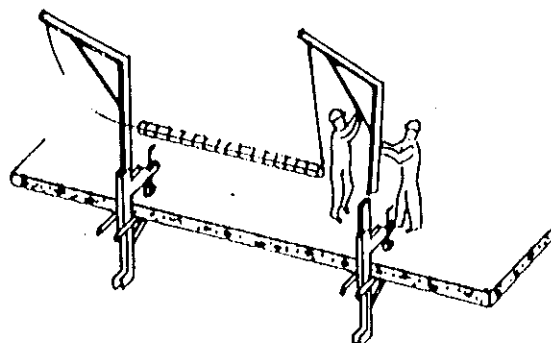
DETALLE DEL MONTAJE

DETALLE N°7

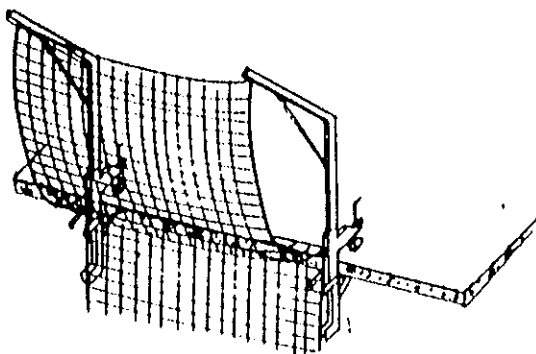
DETALLE DEL MONTAJE MANUAL Y CON GRUA DE REDES VERTICALES (figura 8)



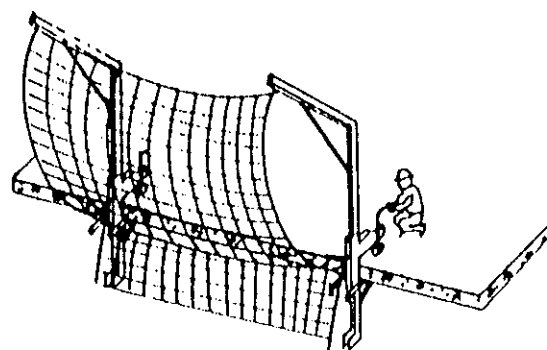
MONTAJE MANUAL DE LOS SOPORTES



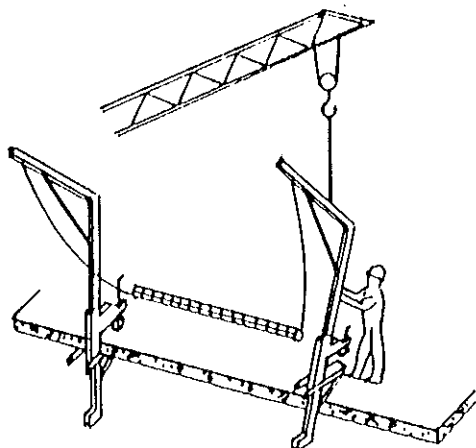
MONTAJE MANUAL DE LOS PESCANTE



FORMACION DE LA RED MANUALMENTE



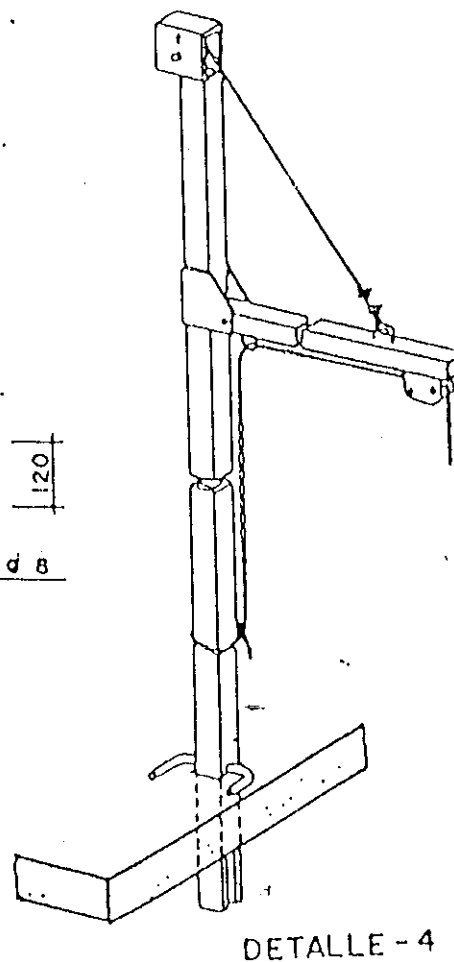
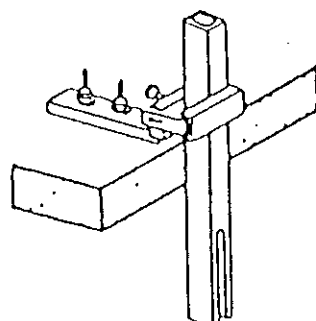
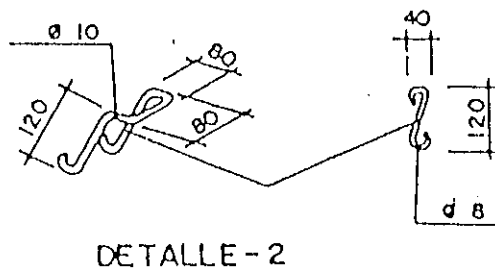
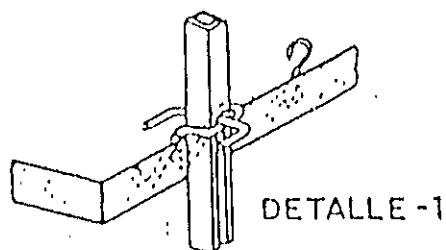
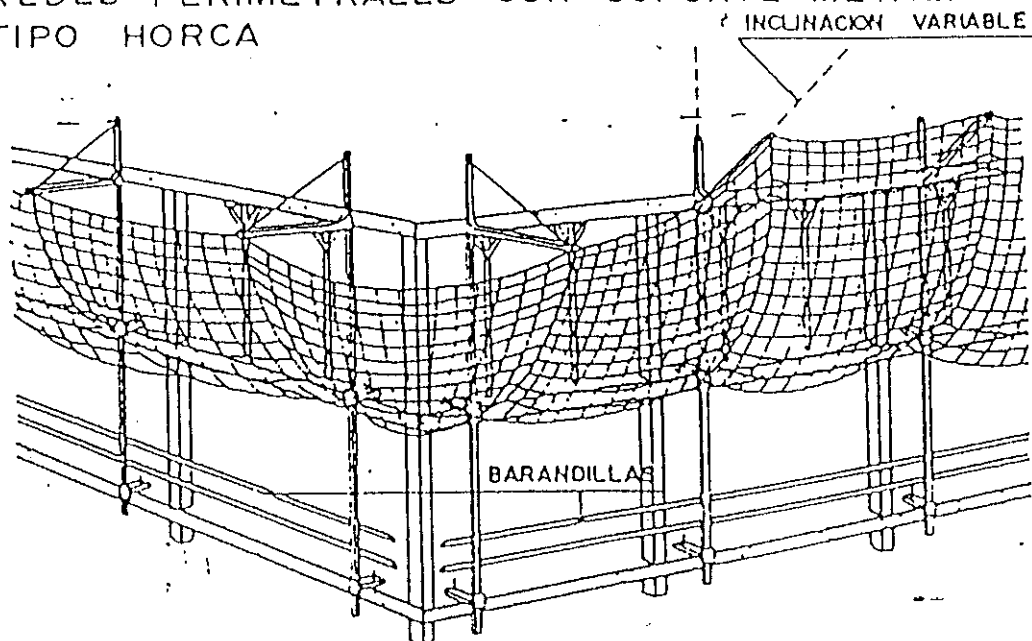
FORMACION DE LA BOLSA EN LA RED



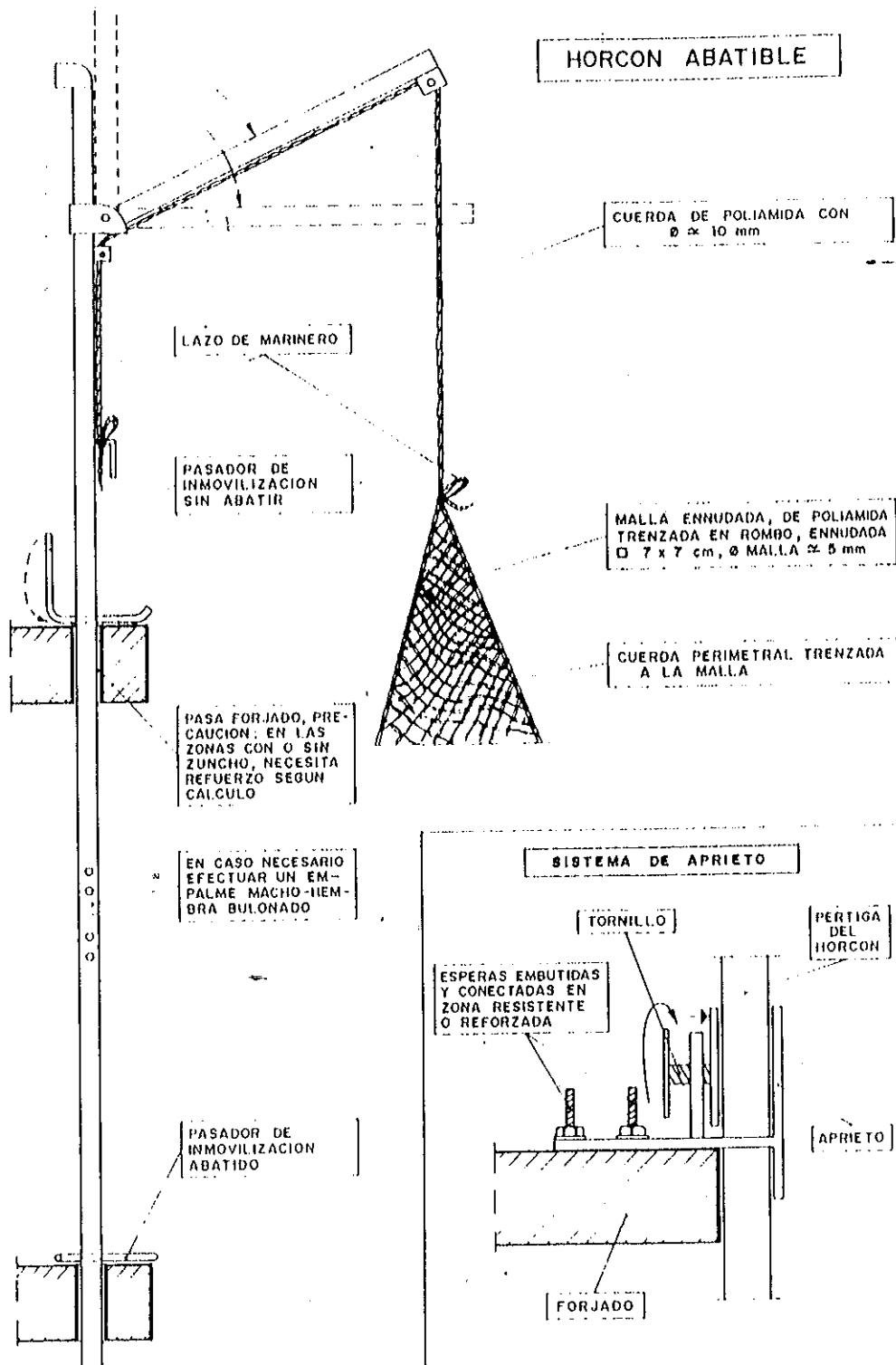
MONTAJE CON LA GRUA

DETALLE Nº7 (ALTERNATIVA)

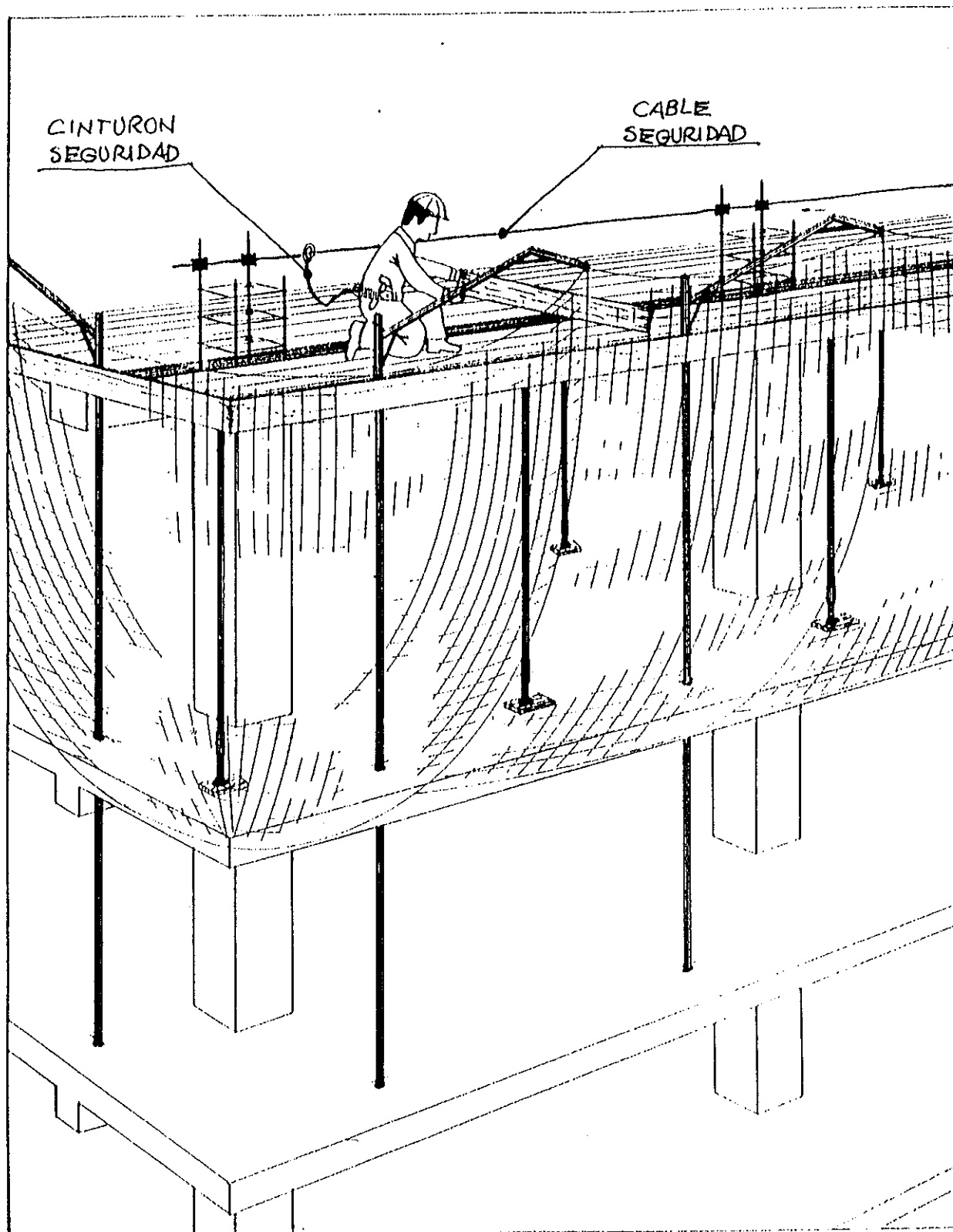
REDES PERIMETRALES CON SOPORTE METALICO
TIPO HORCA



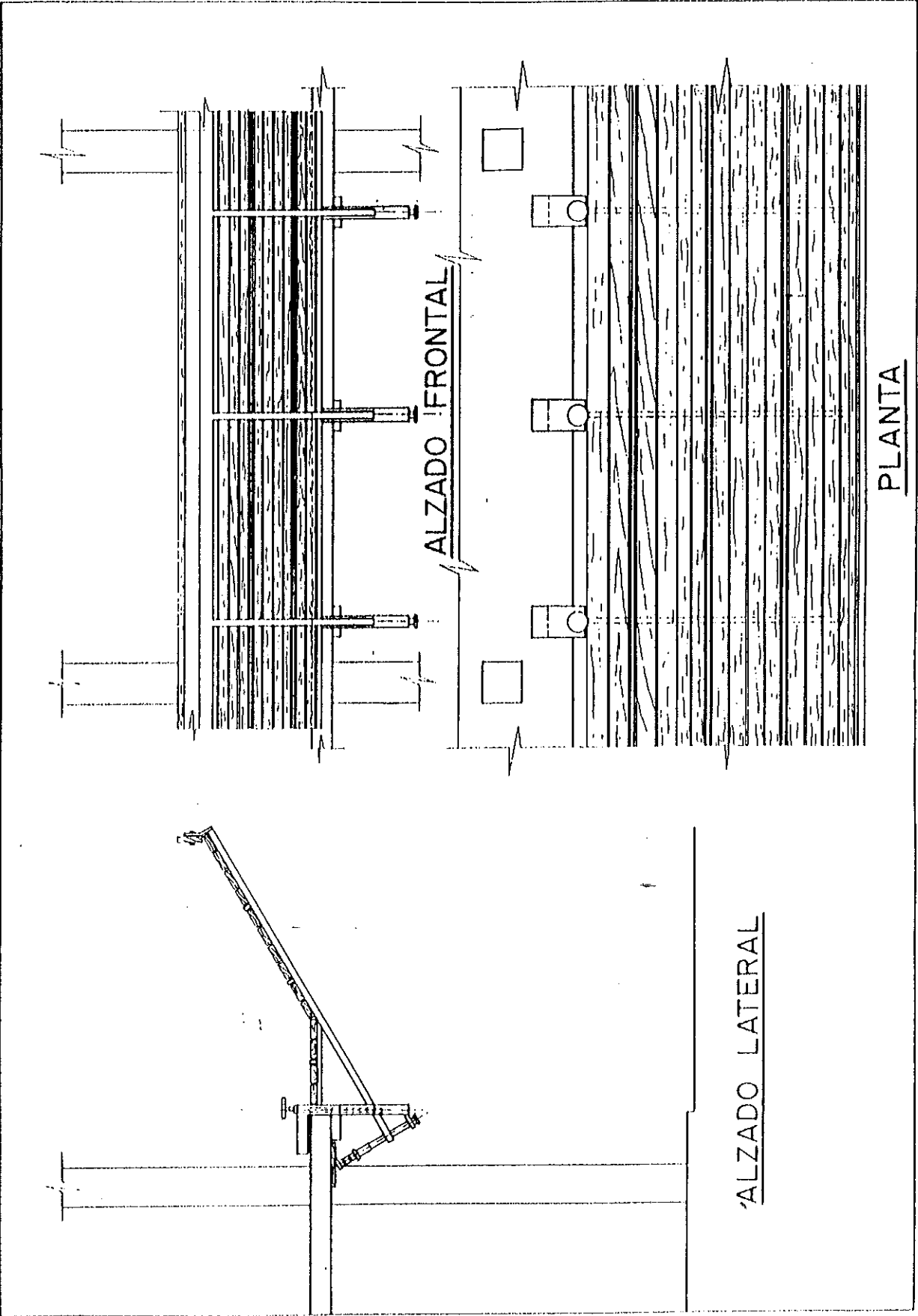
DETALLE Nº 7 (alternativa)



DETALLE N°7. OBLIGATORIEDAD DE EMPLEO DE CINTURON DE SEGURIDAD
EN EL MONTAJE DE REDES PERIMETRALES DE FACHADA



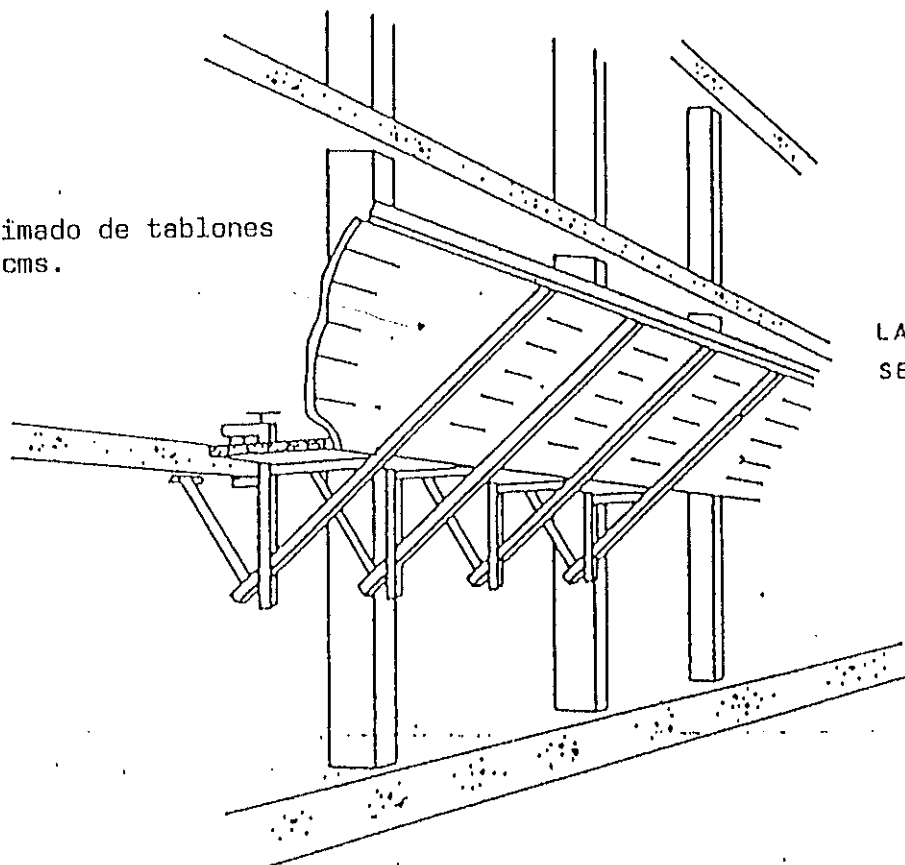
DETALLE Nº8. MARQUESINAS DE PROTECCION PEATONES



DETALLE Nº8

MARQUESINAS DE PROTECCION

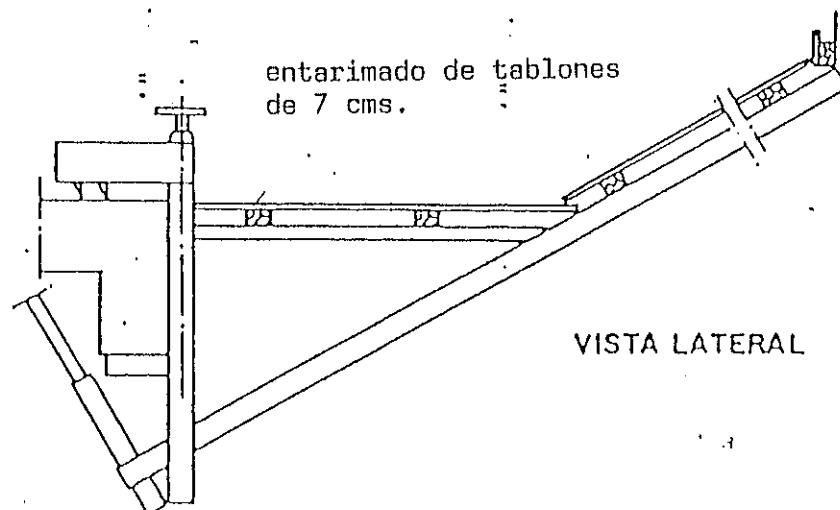
entaramado de tablon
de 7 cms.



LA LONGITUD DEL VOLADIZO
SERA DE 2.50 m.

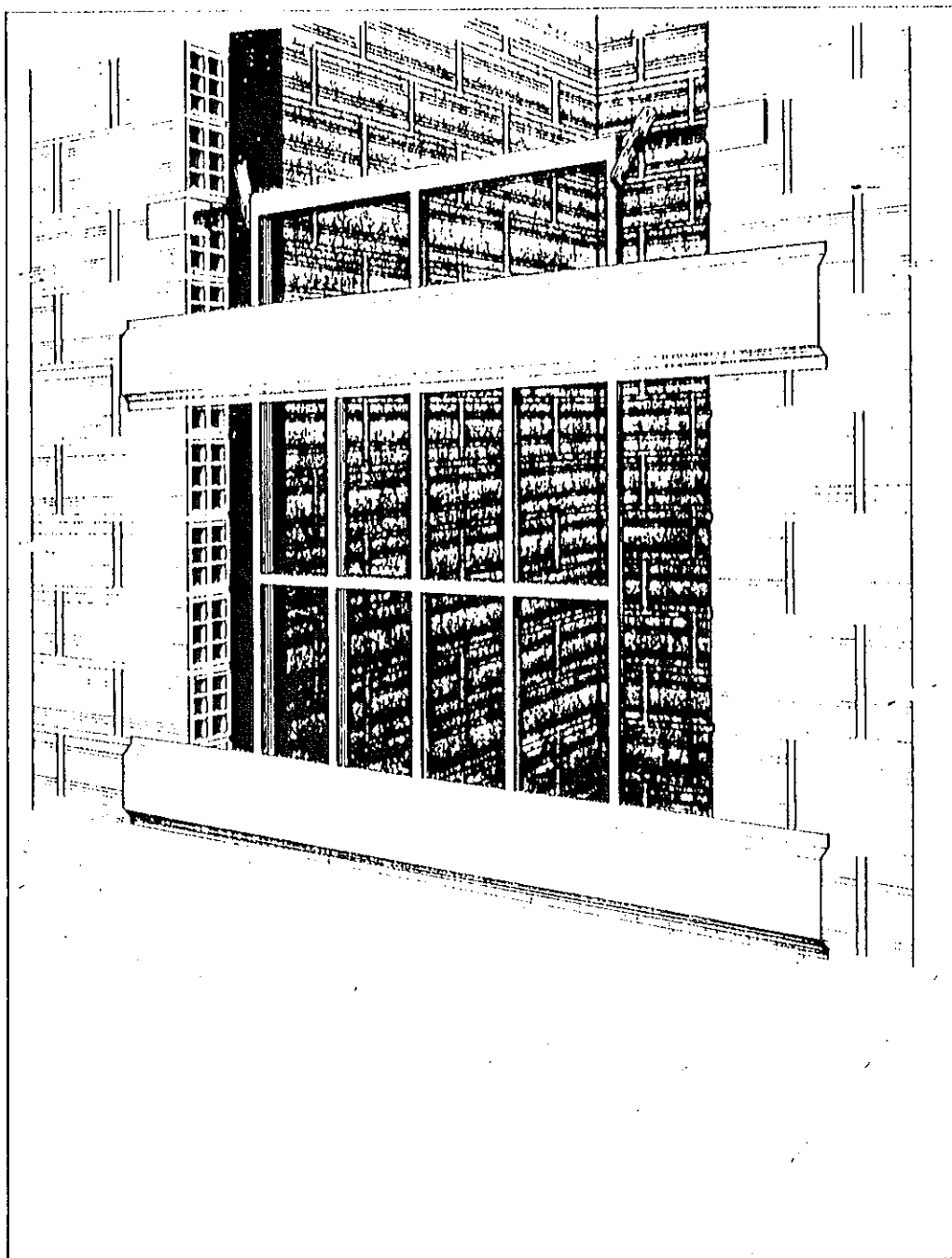
SE RECOMIENDA UNA SEPARACION ENTRE MORDAZAS DE 2 m. MAXIMO
LOS PAÑOS DE TABLAS SE MONTARAN SALTEADOS SOLÁPANDO UNAS CON OTRAS

entaramado de tablon
de 7 cms.

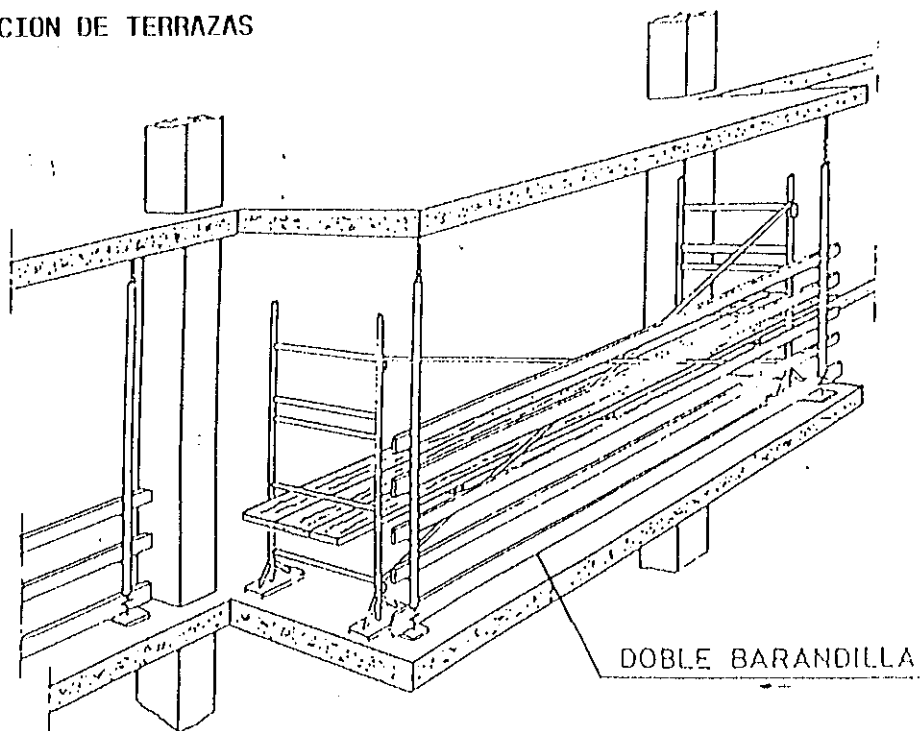


VISTA LATERAL

DETALLE Nº 10 :PROTECCION HUECO DE ASCENSOR

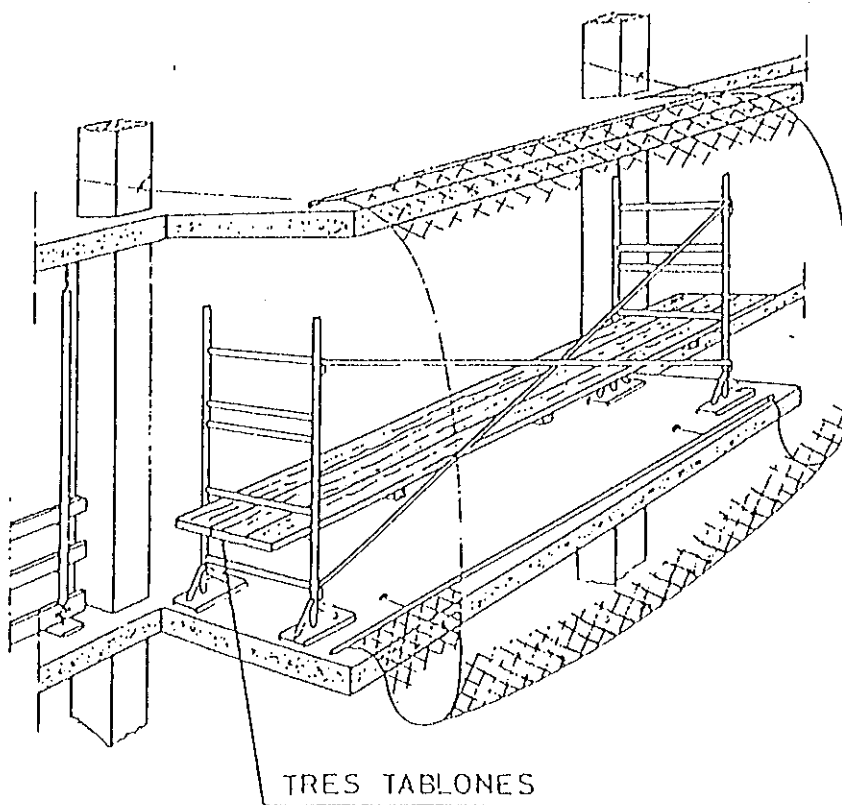


DETALLE Nº 11: PROTECCION DE TERRAZAS



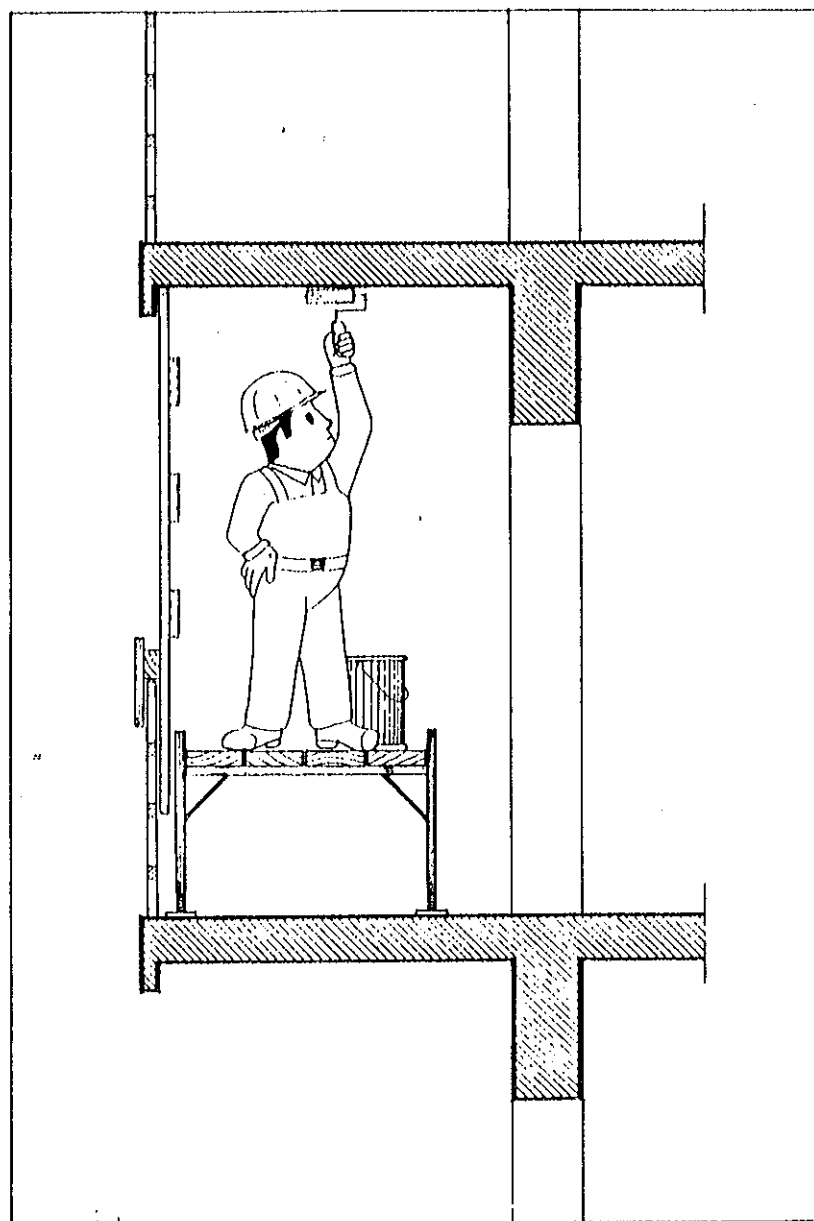
SE PONDRAN LAS BARANDILLAS LATERALES AL ACABAR LOS TRABAJOS

RED PARA PROTECCION ANCLADA
A PILARES

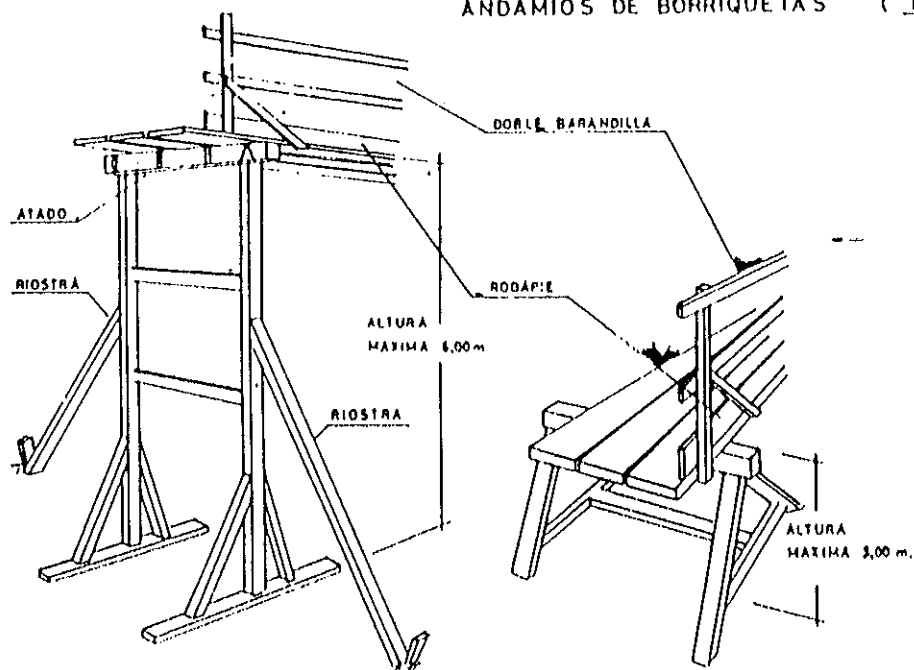


Cerramiento de terrazas.

DETALLE Nº11. PROTECCION TERRAZAS

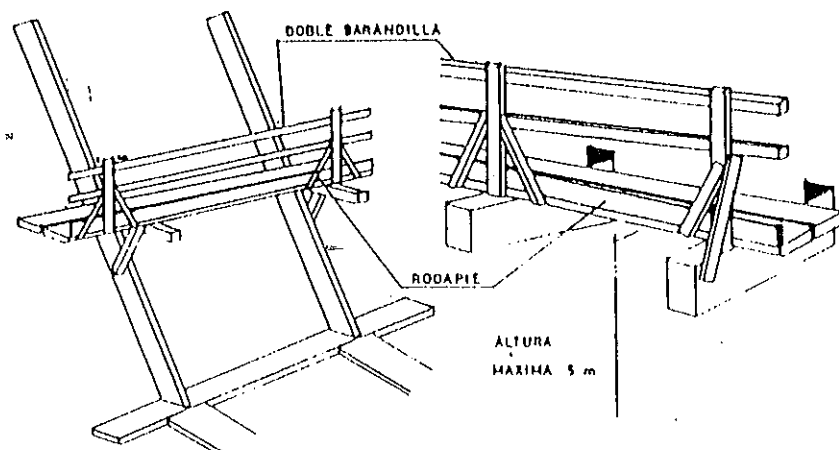


ANDAMIOS DE BORRIQUETAS (Figura 1)



BORRIQUETA ARMADA ENTRE 3,5 Y 6 M DE ALTURA

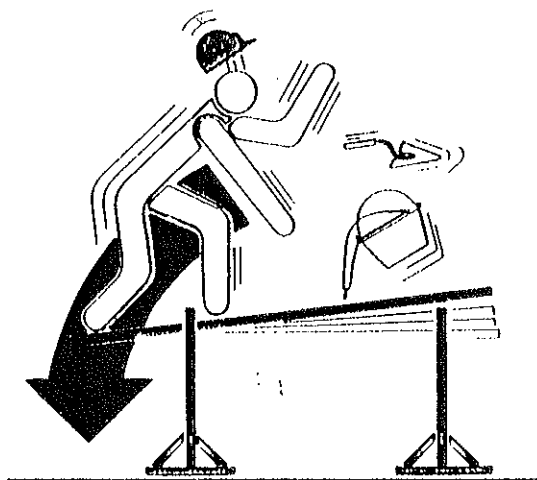
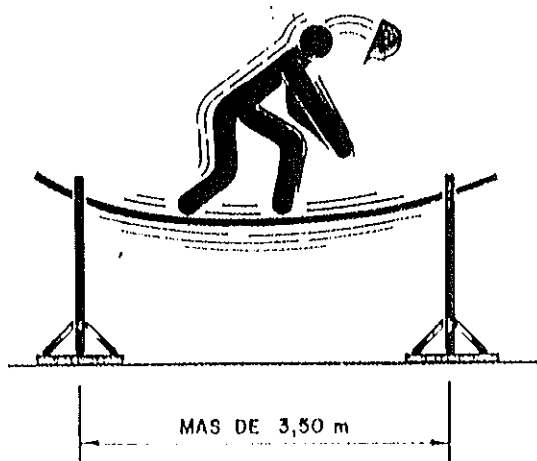
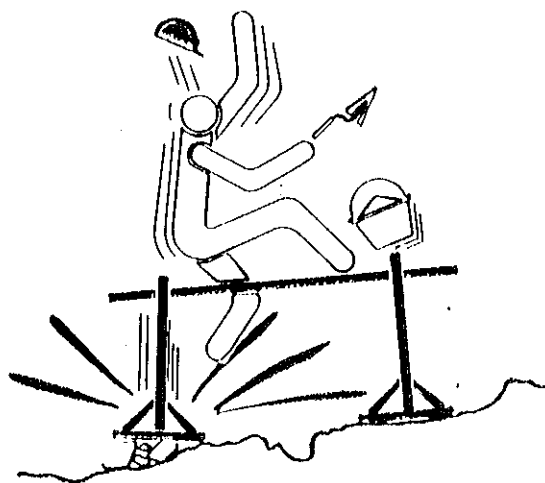
SIN ARRIOSTRAMIENTO HASTA 3 M DE ALTURA



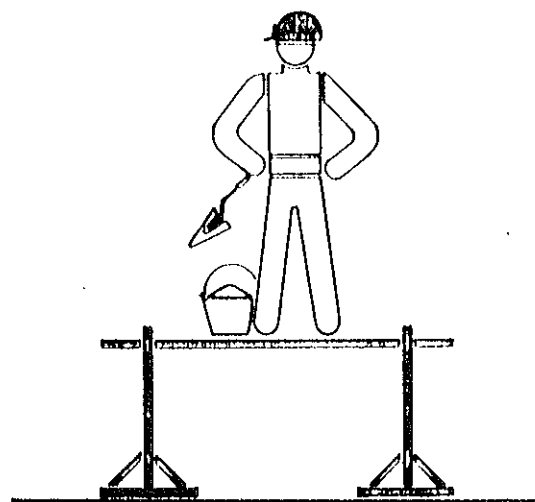
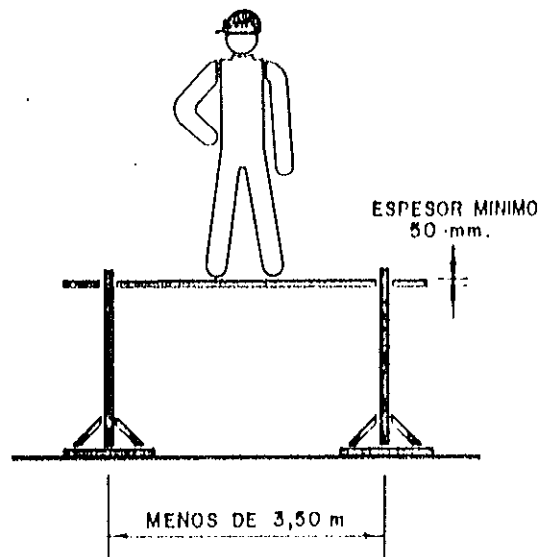
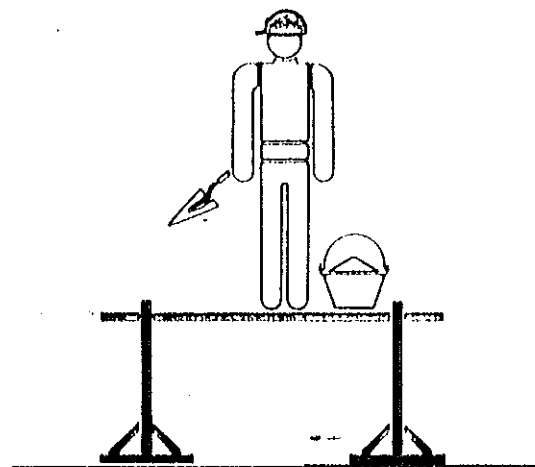
ANDAMIO DE PARALES (Figura 2)

ANDAMIO DE MECHINALES

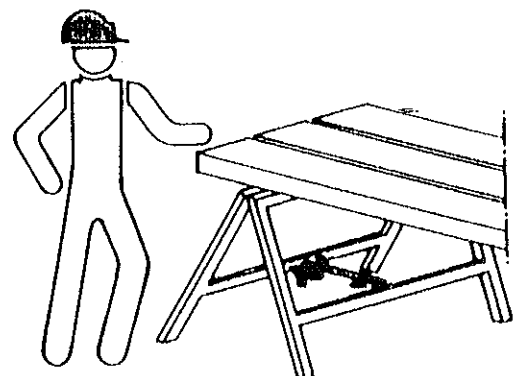
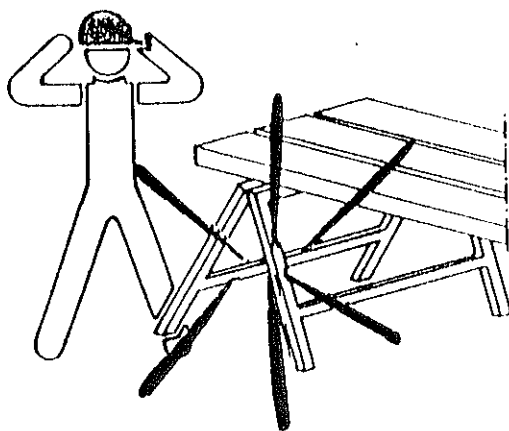
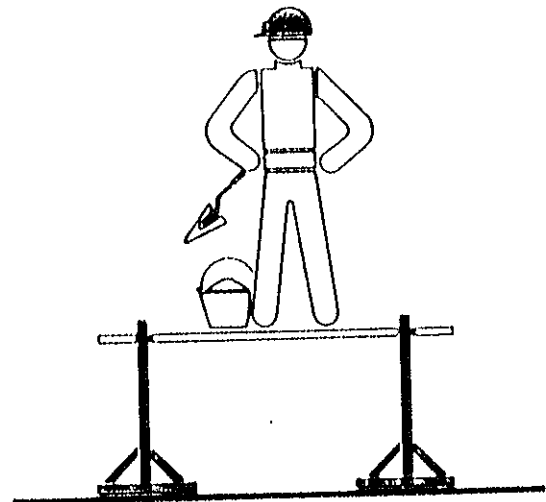
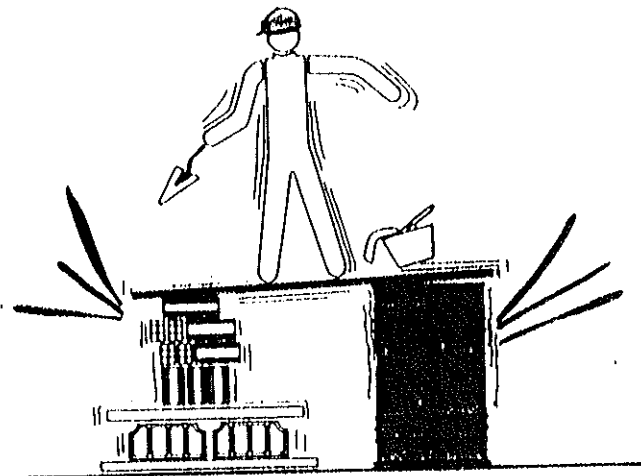
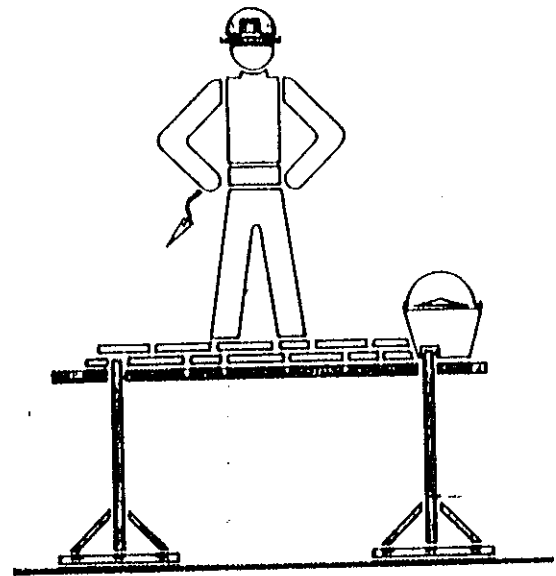
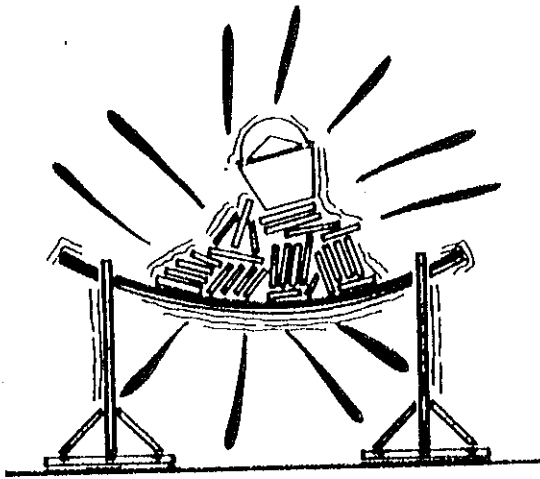
DETALLE Nº12. ANDAMIOS DE BORRIQUETAS



NO

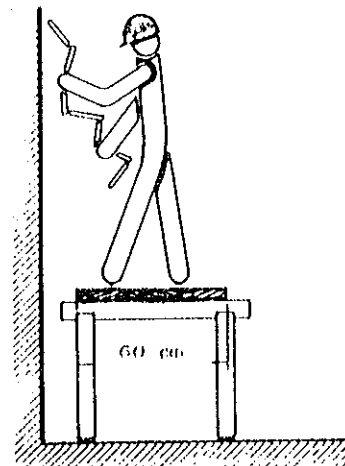
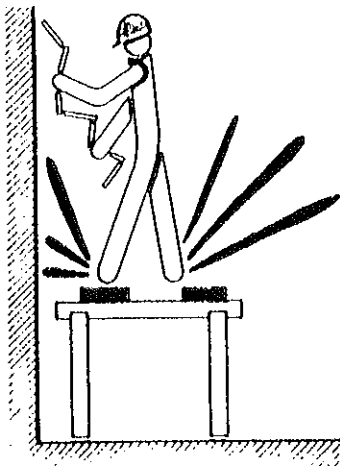
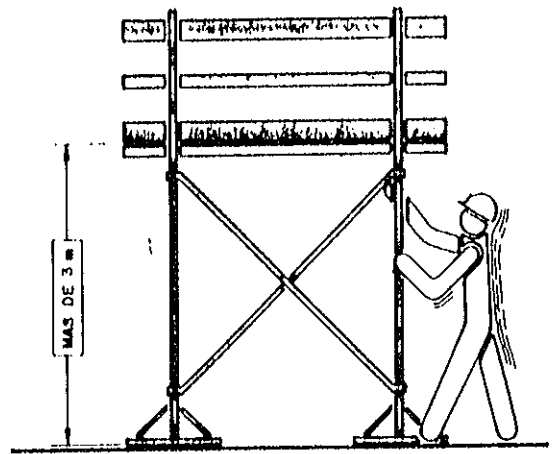
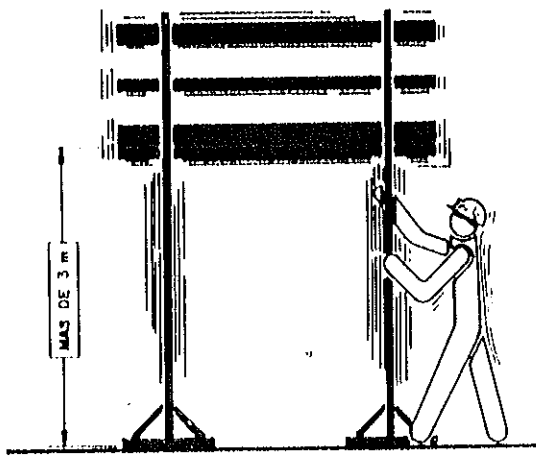
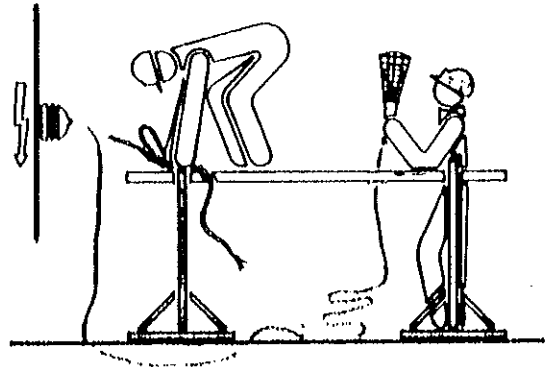
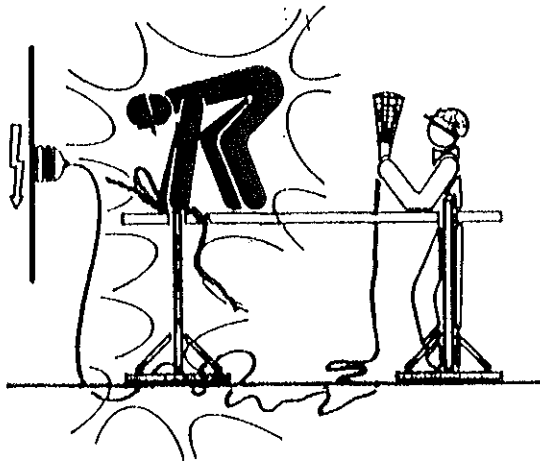


SI



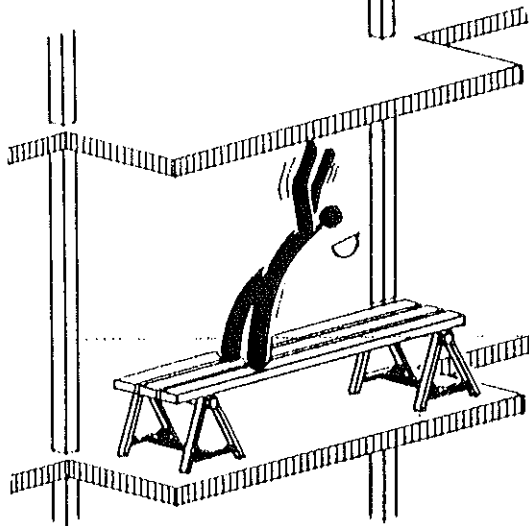
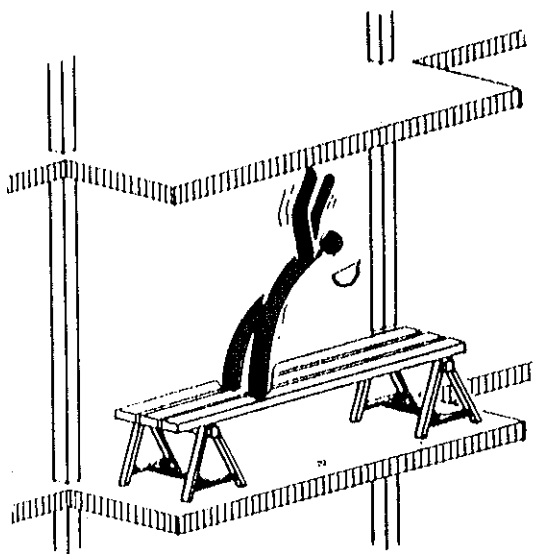
NO

SI

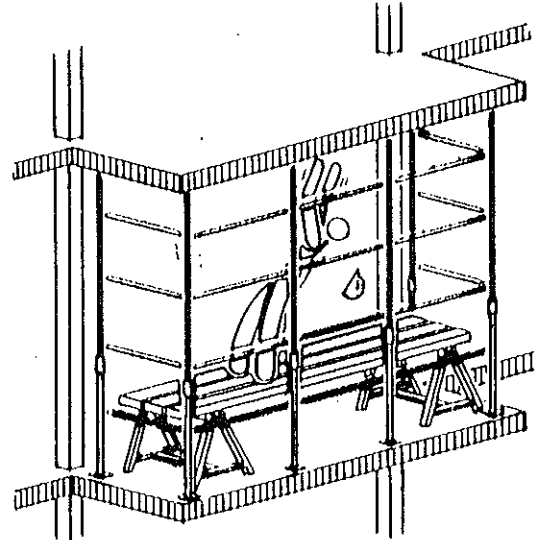
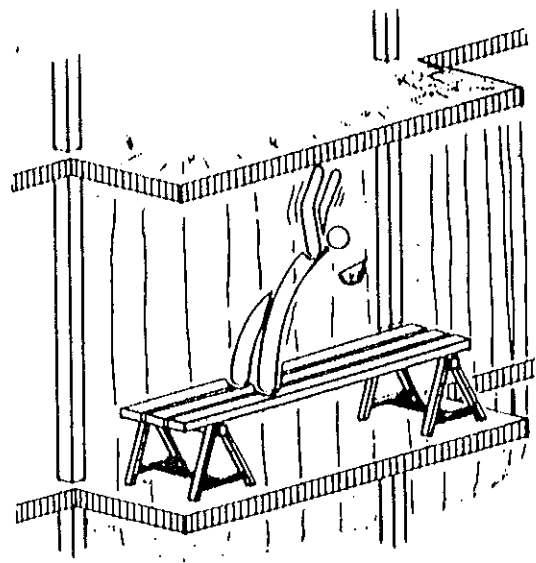


NO

SI

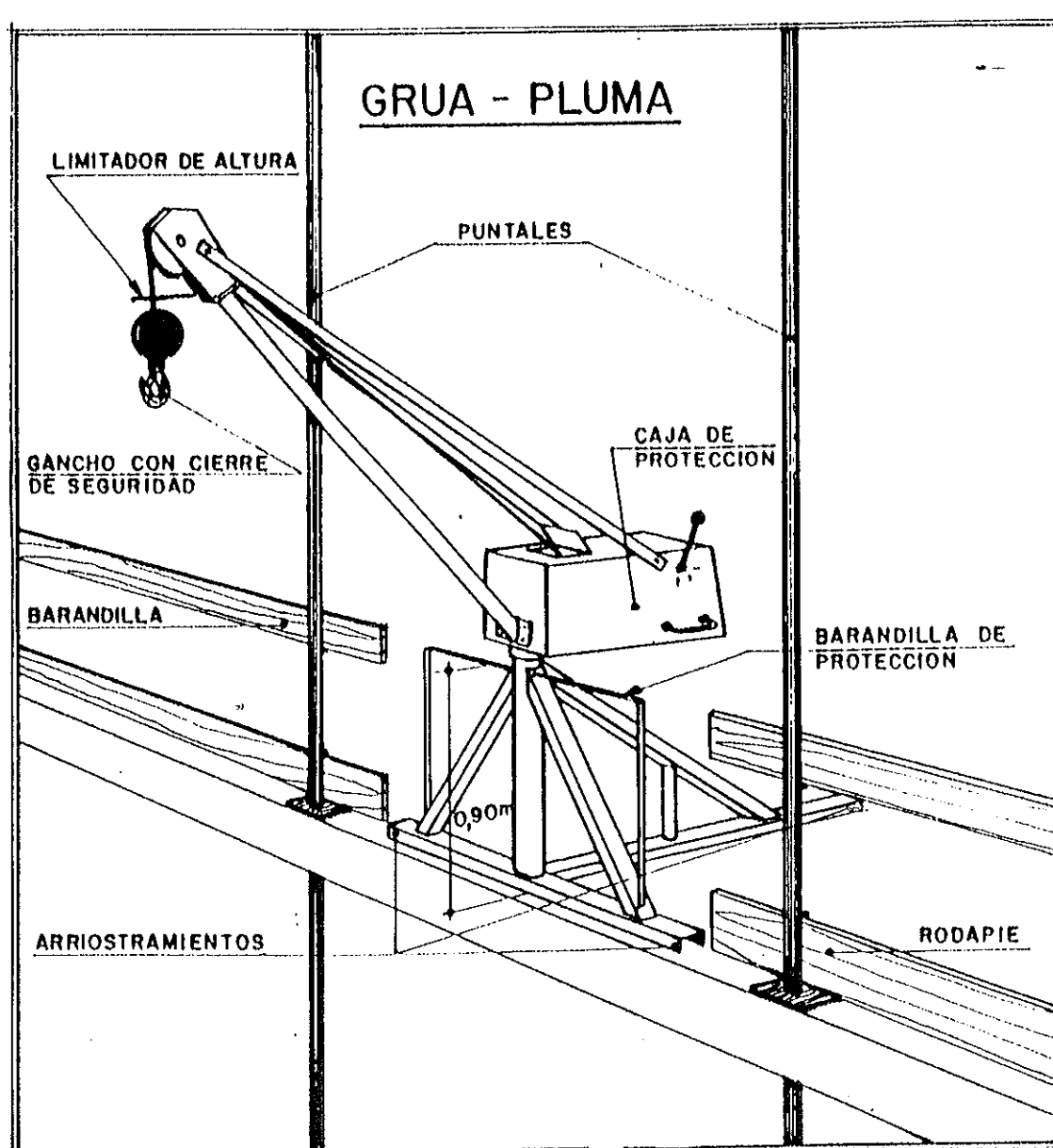


NO

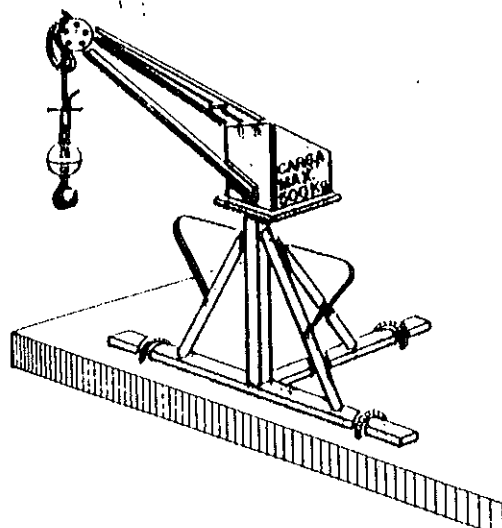
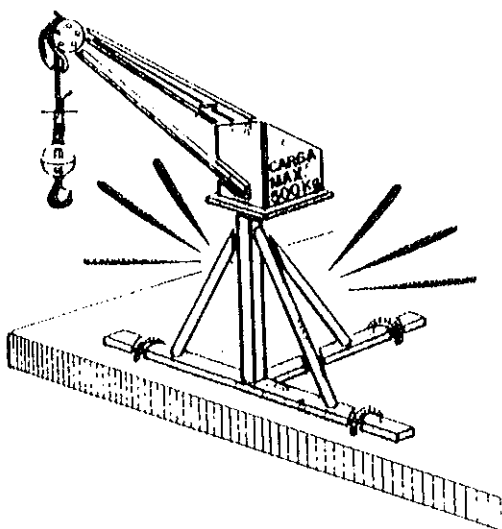
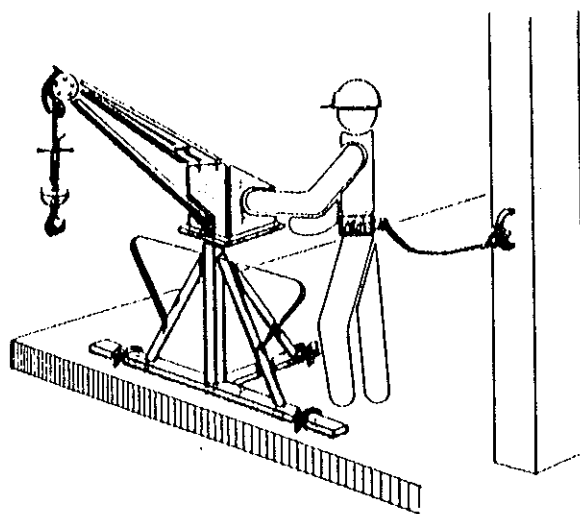
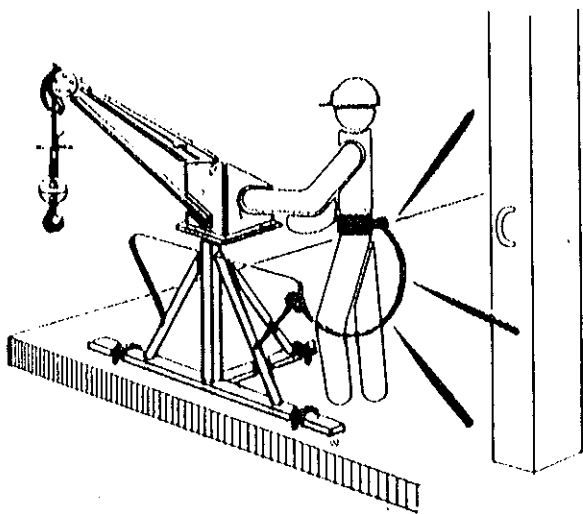
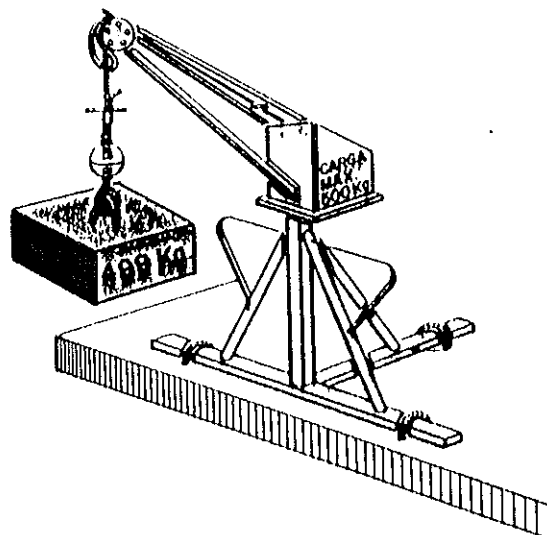
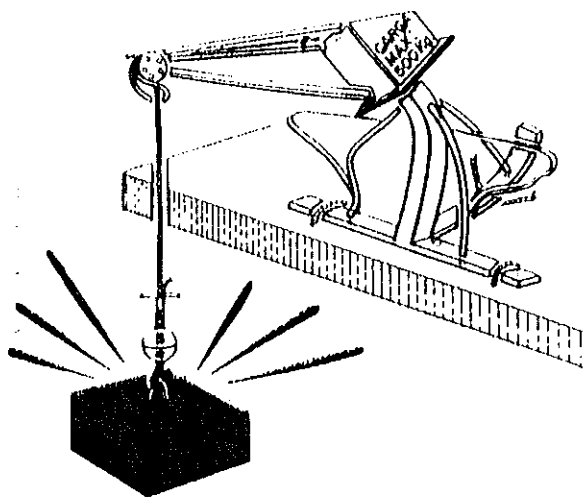


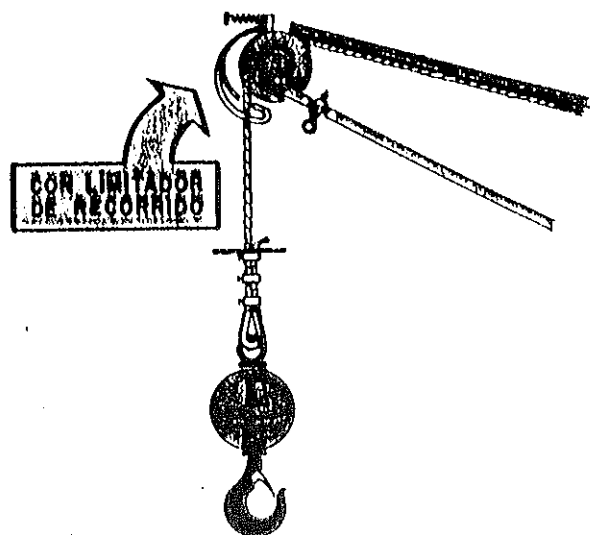
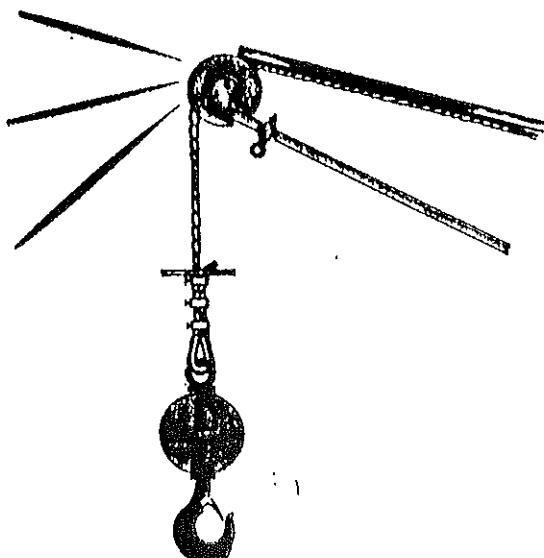
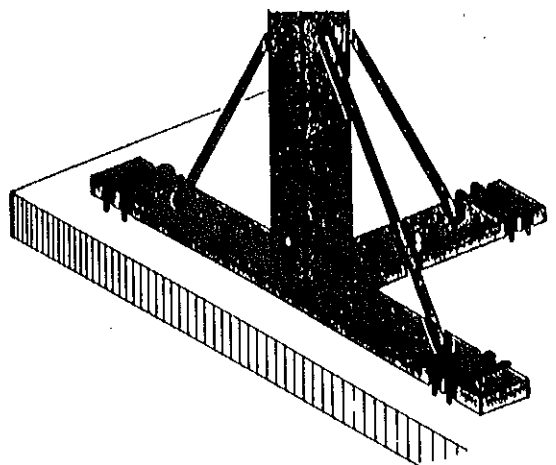
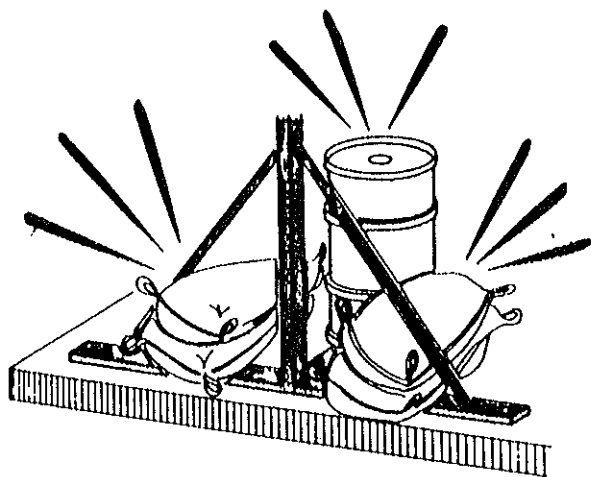
SI

DETALLE Nº 13. MAQUINILLO



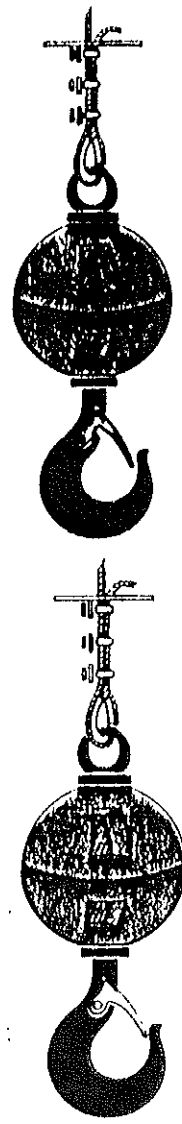
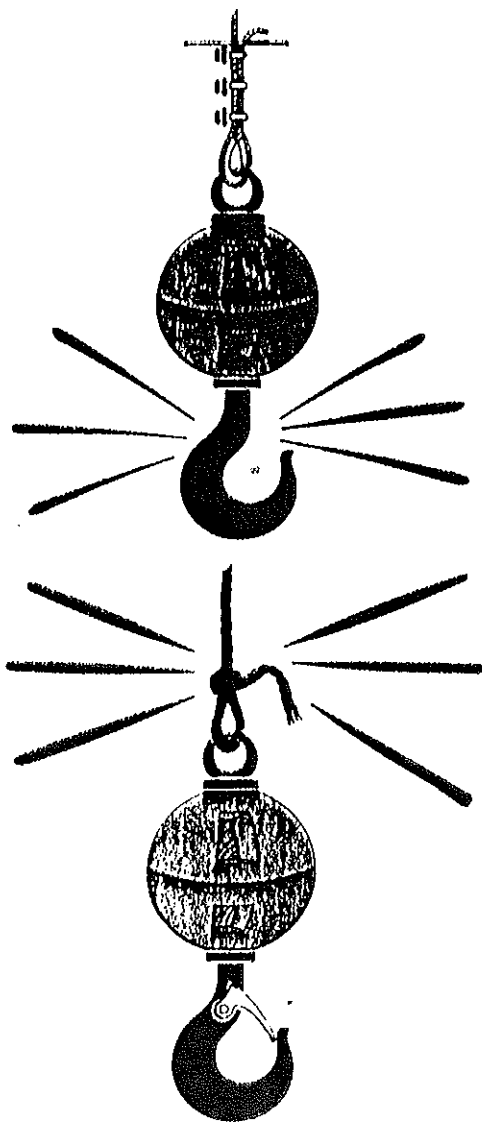
DETALLE Nº13. MAQUINILLO





NO

SI

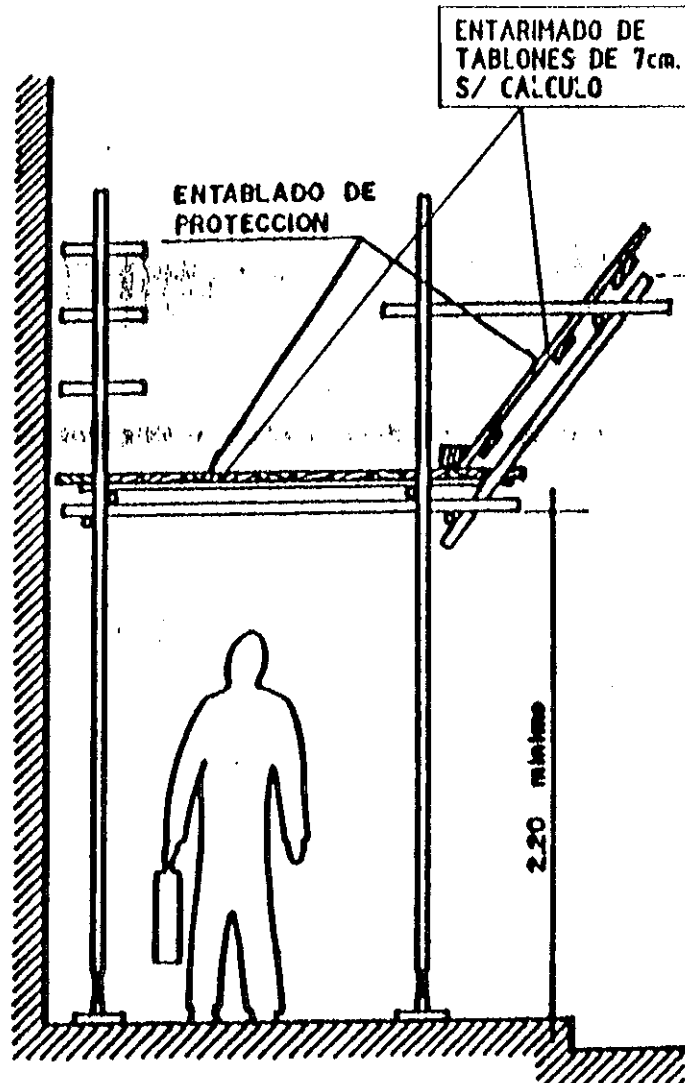


NO

SI

DETALLE Nº 14

PASILLO DE SEGURIDAD
PROTECCION PASO DE PERSONAL

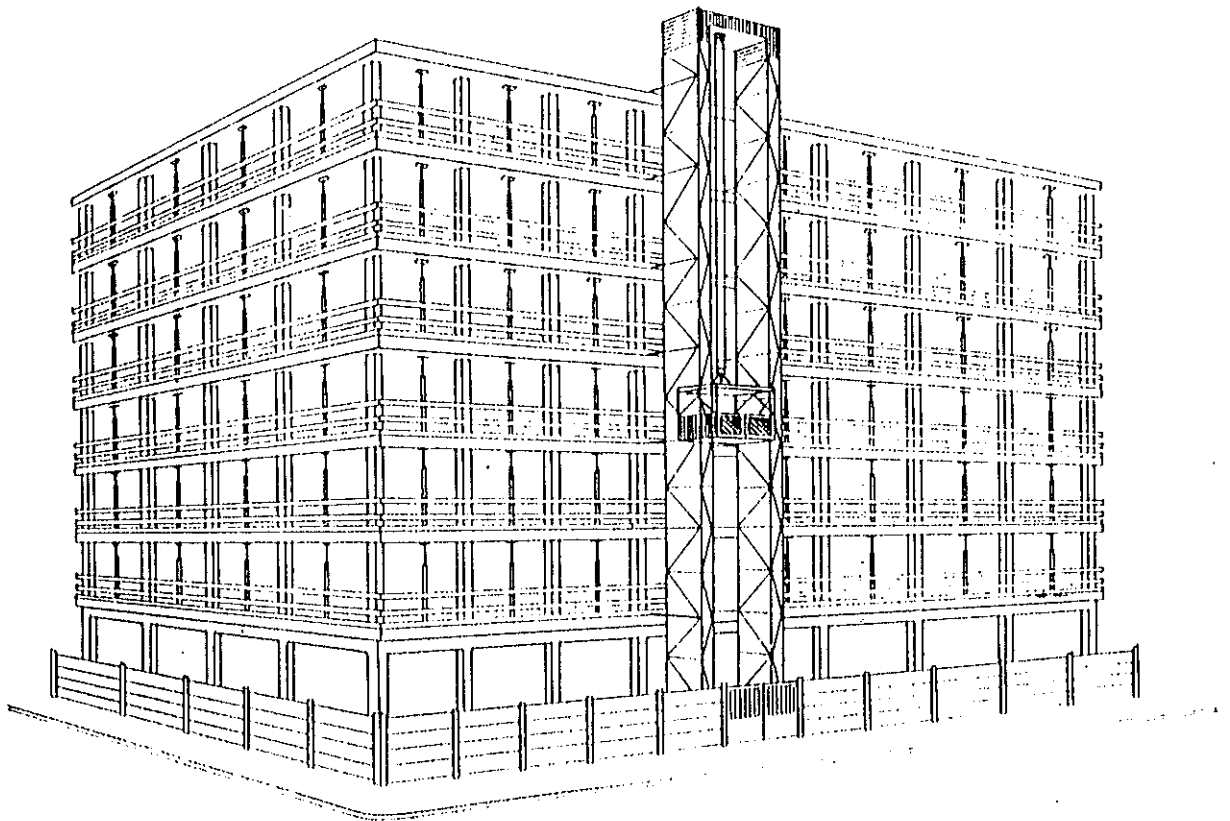


SECCION TRANSVERSAL

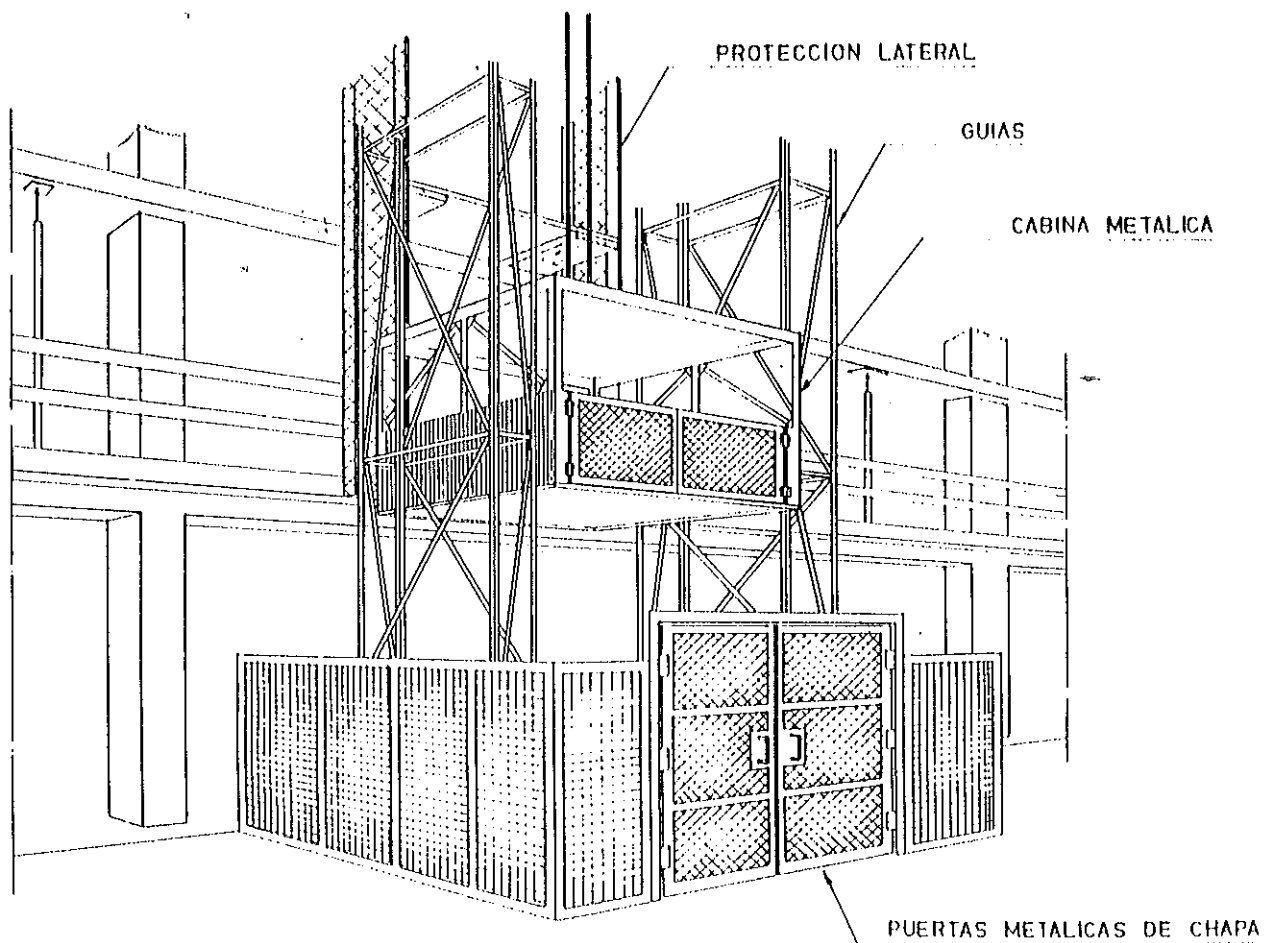
DETALLE - 14

VER PLANTA ESTRUCTURA ALZADO Y SECCION

DETALLE Nº15. MONTACARGAS

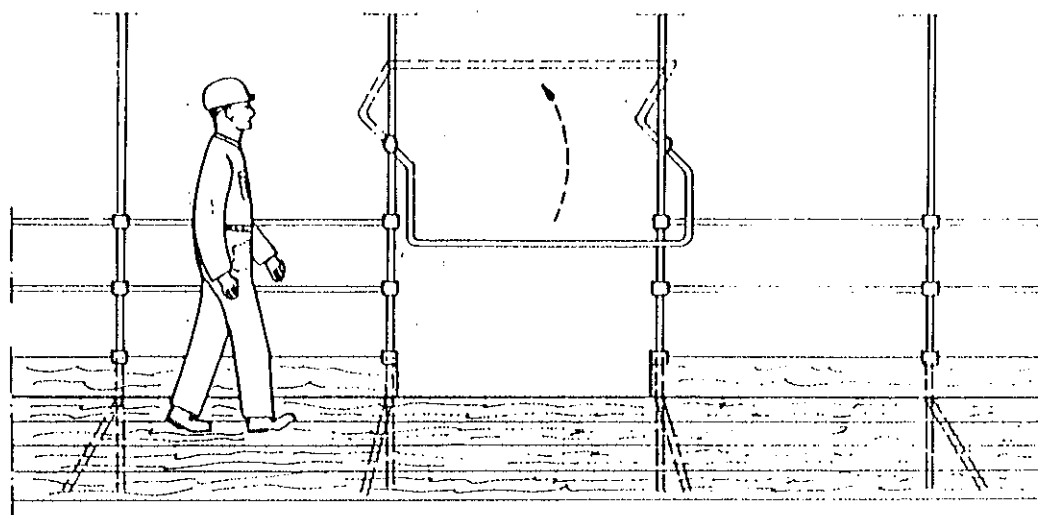
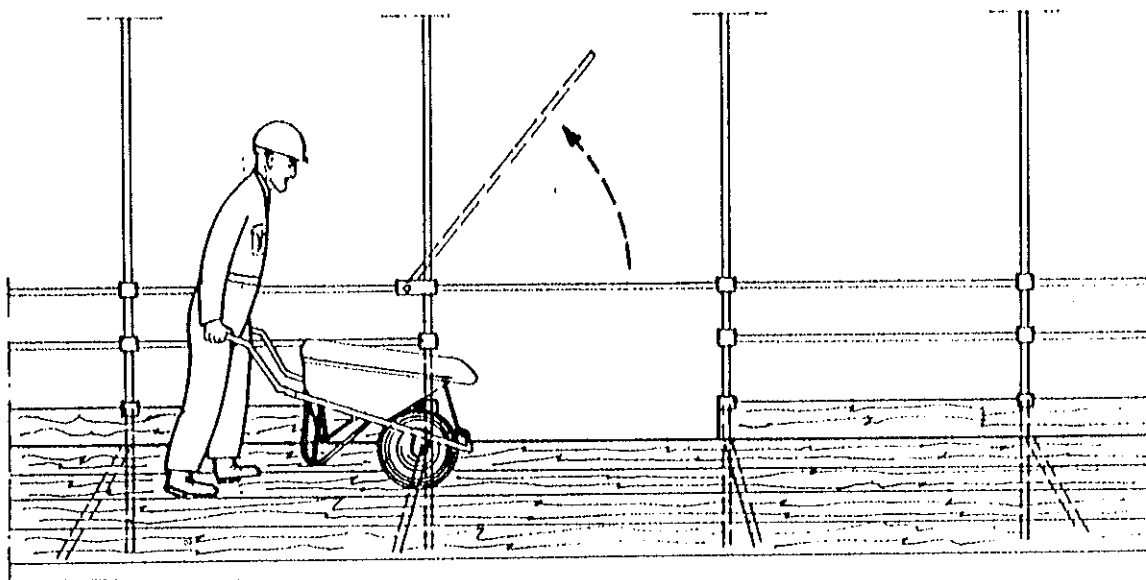
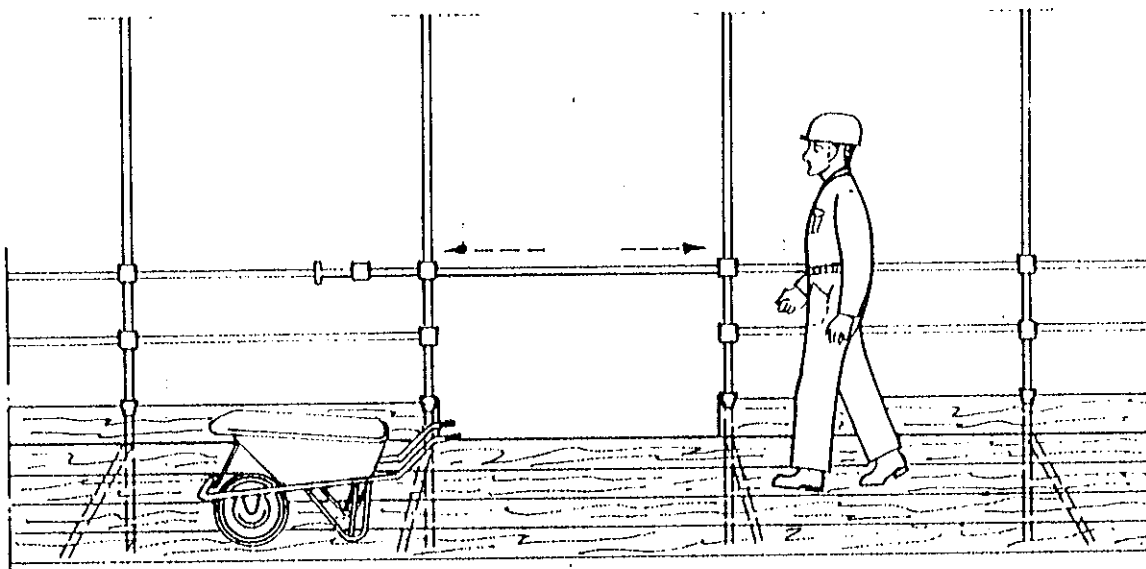


VISTA GENERAL DE LA INSTALACION DE UN APARATO ELEVADOR - MONTACARGAS



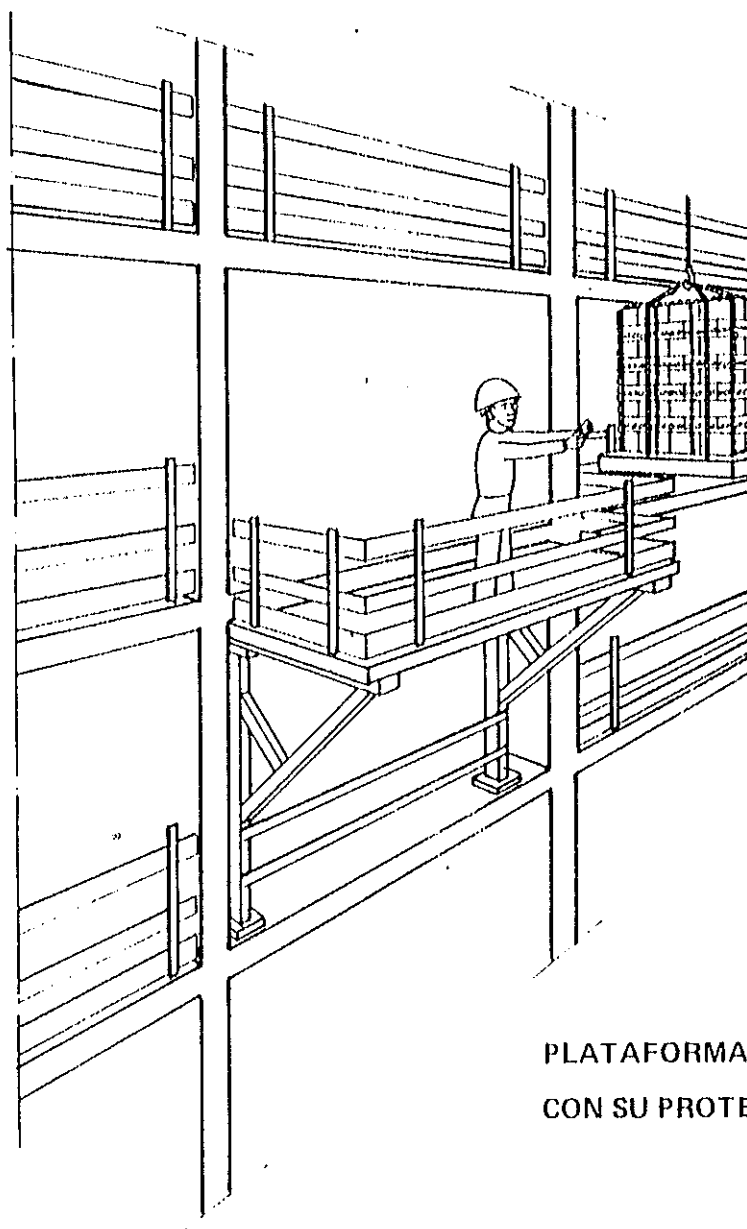
A. E. O. DETALLE MONTACARGAS

DETALLE Nº 15 BARANDILLAS BASCULANTES DE MONTACARGAS



-- Se revisará periódicamente la plataforma de tablonos de acceso a la puerta del montacargas.

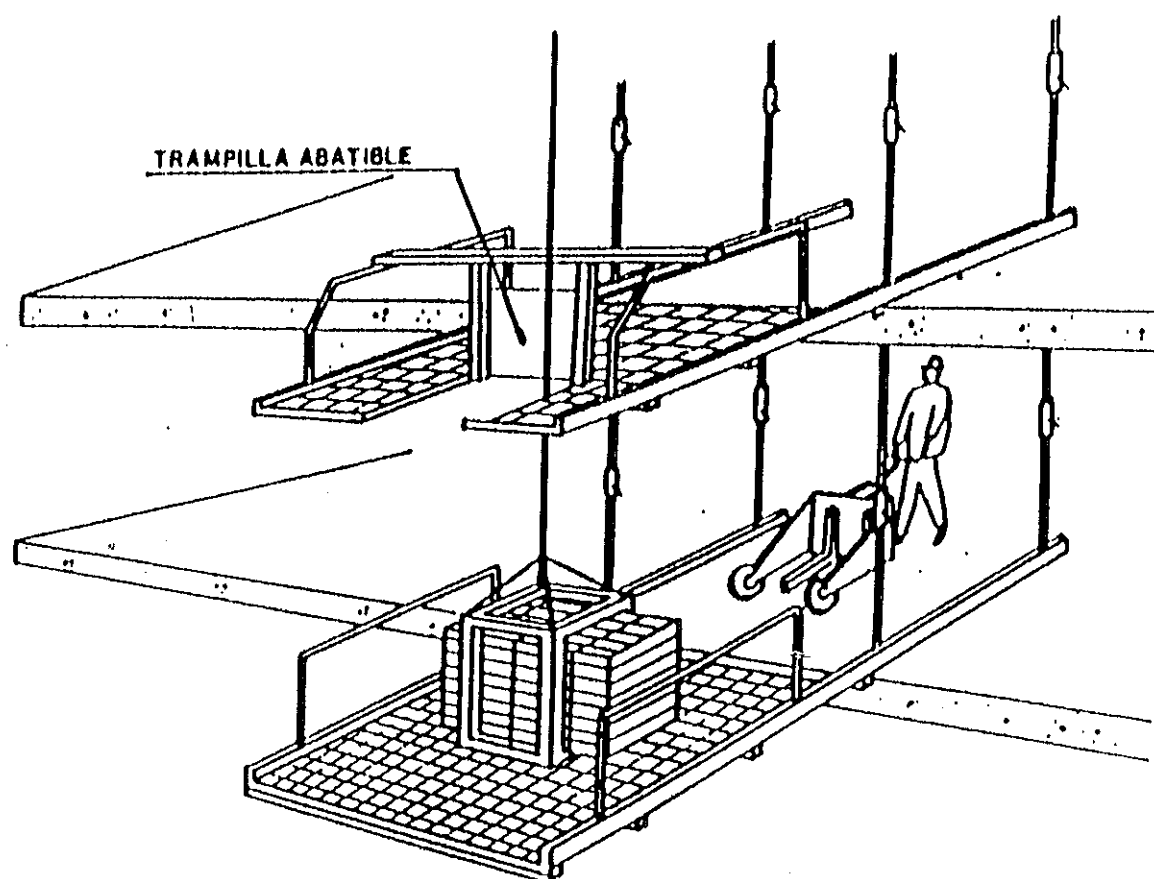
DETALLE Nº16. MARQUESINA ABATIBLE PARA DESCARGA



**PLATAFORMAS O BALCONCILLOS
CON SU PROTECCION COMPLETA**

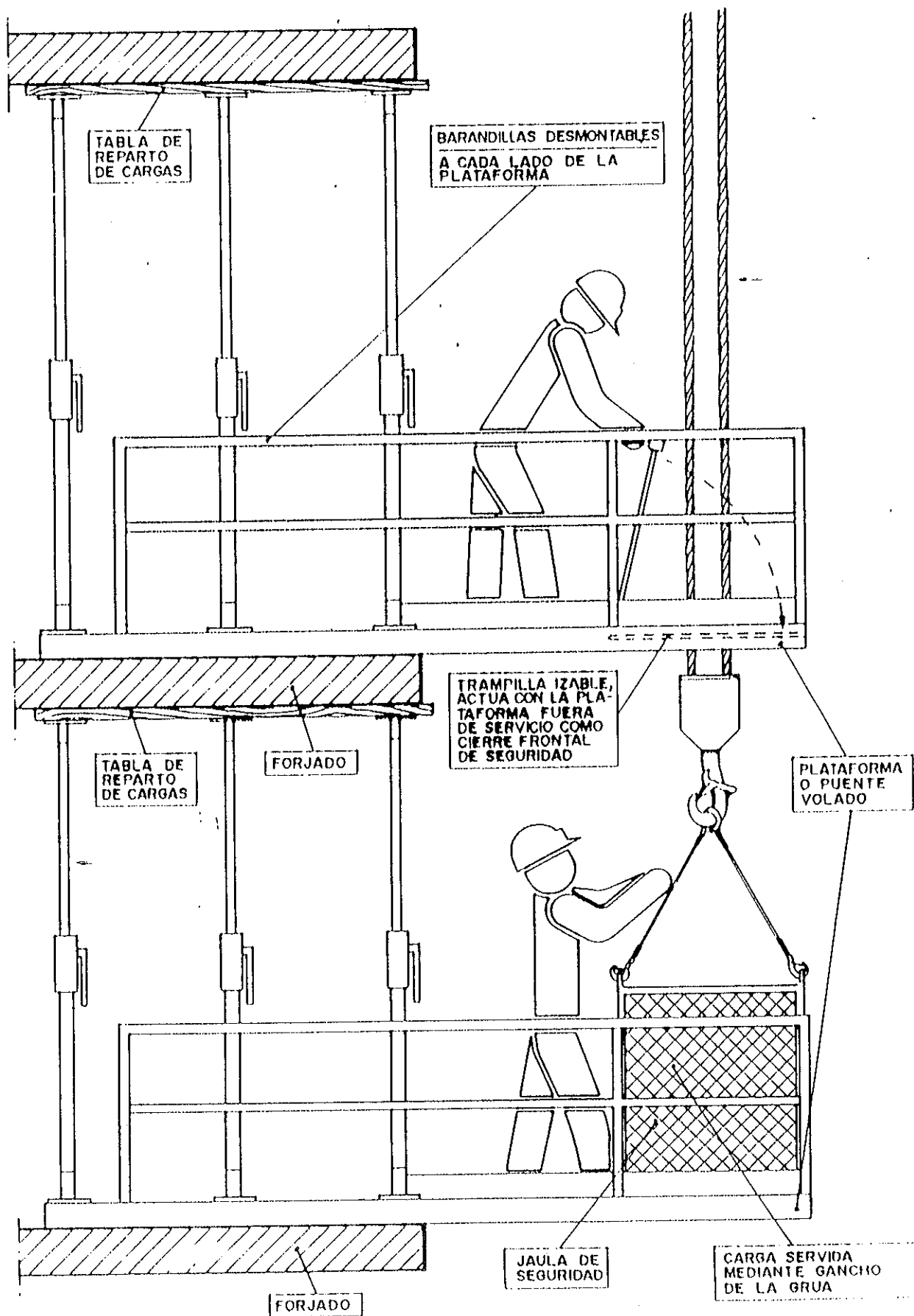
DETALLE Nº16. MARQUESINA ABATIBLE PARA DESCARGA

PLATAFORMA VOLADA PARA DESCARGA DE MATERIALES

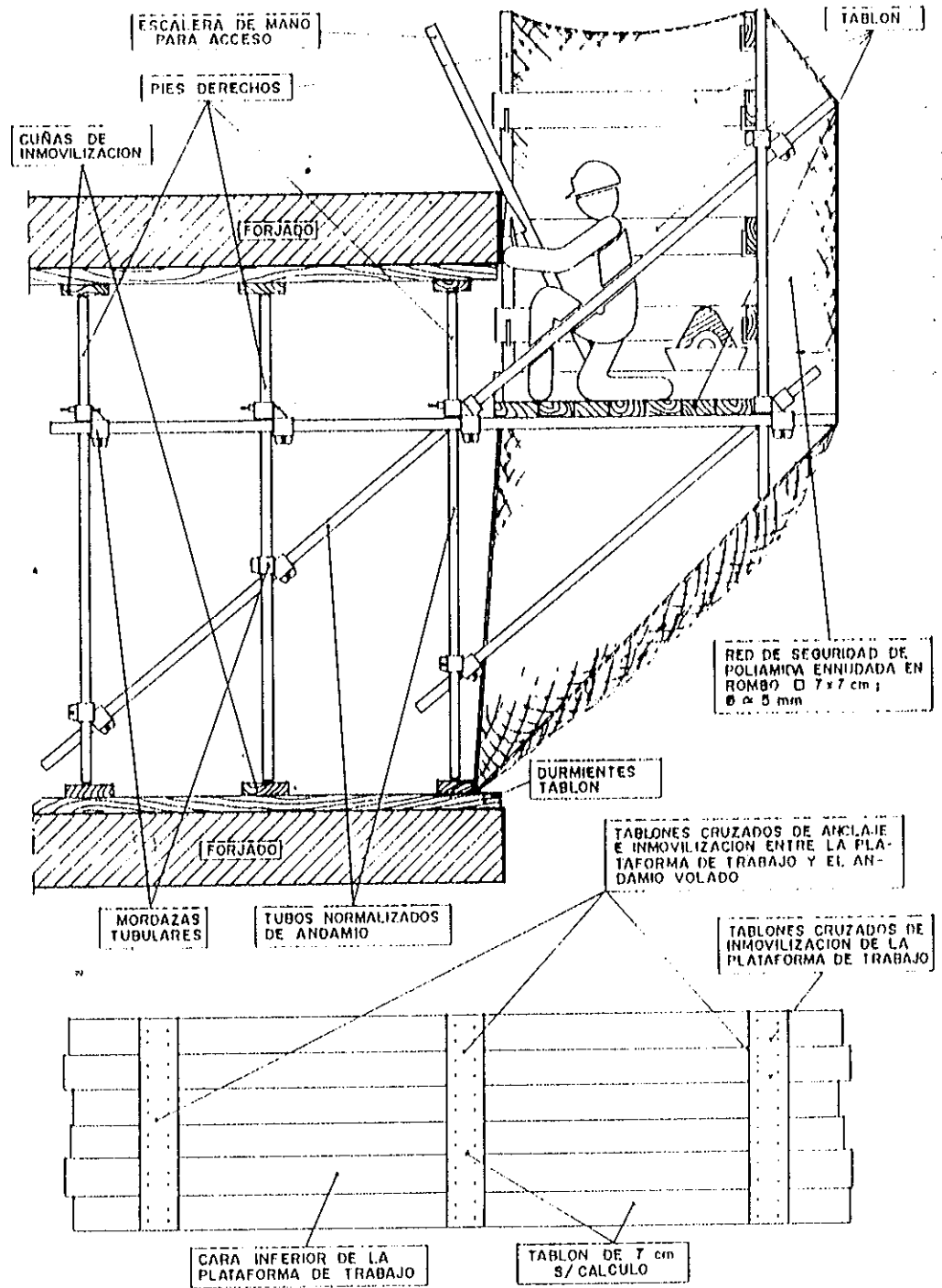


DETALLE Nº16. MARQUESINA ABATIBLE PARA DESCARGA

PLATAFORMA O PUENTE VOLADO DE SEGURIDAD

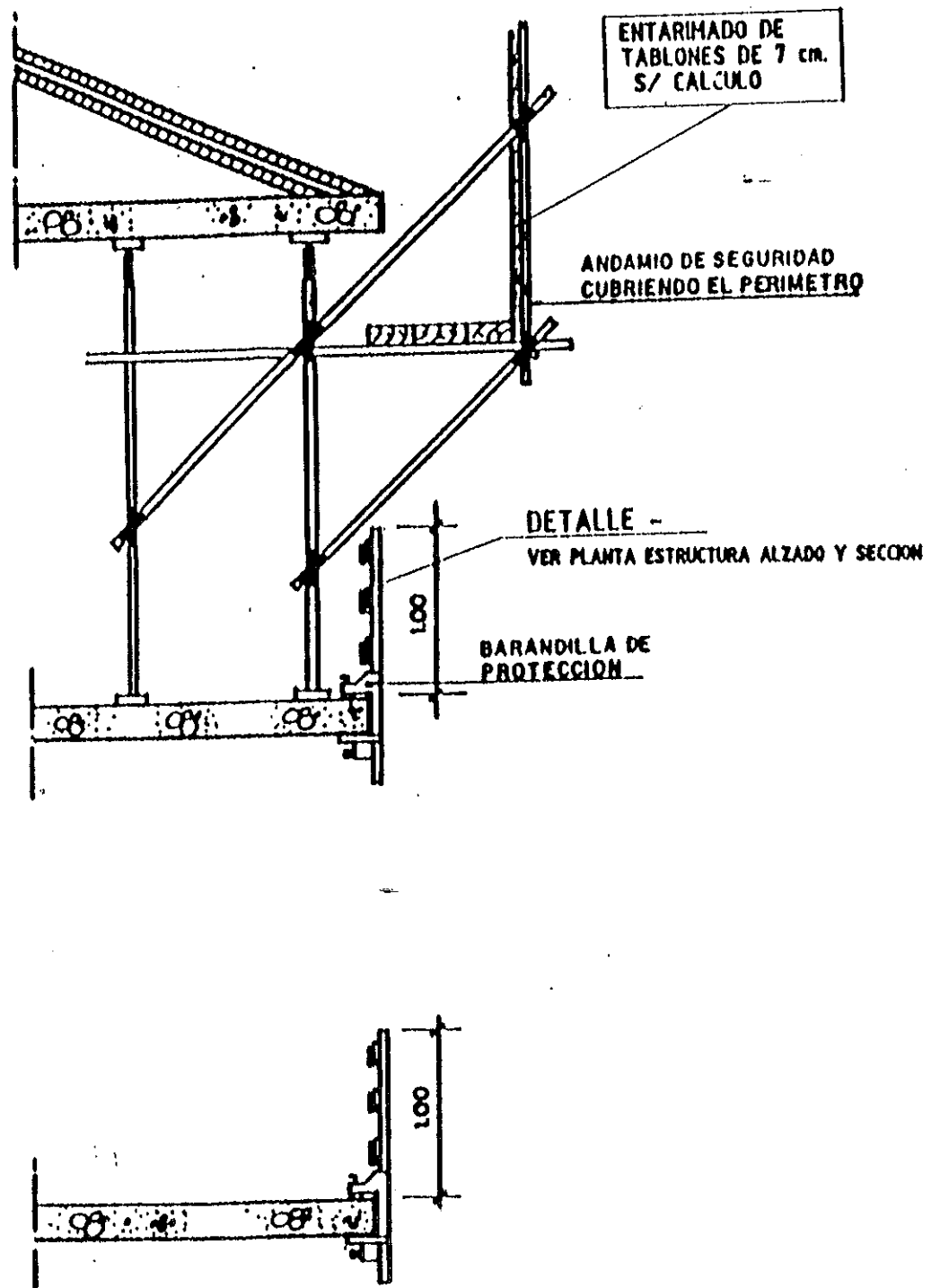


PLATAFORMA VOLADA (SECCION)

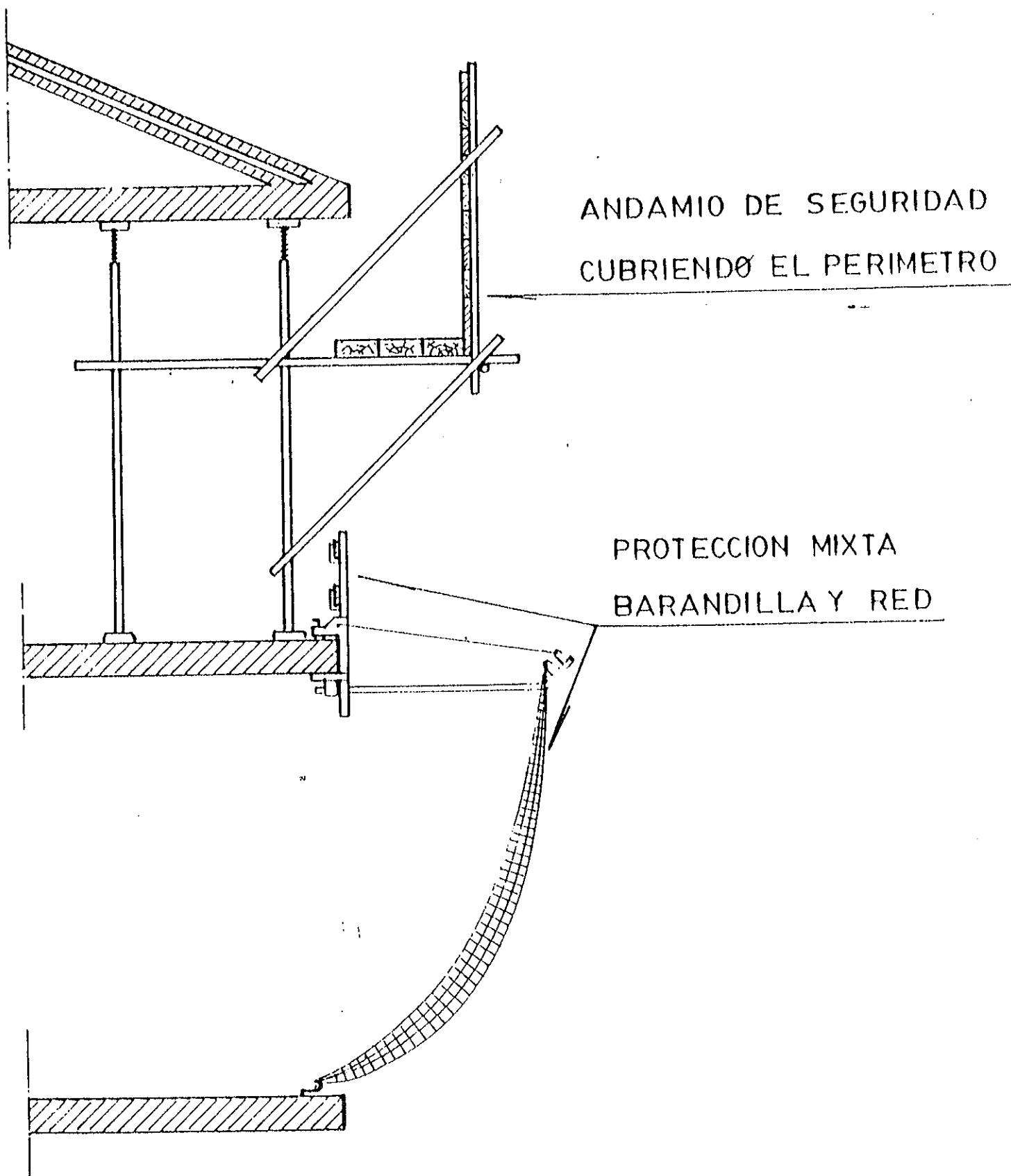


DETALLE Nº 17.

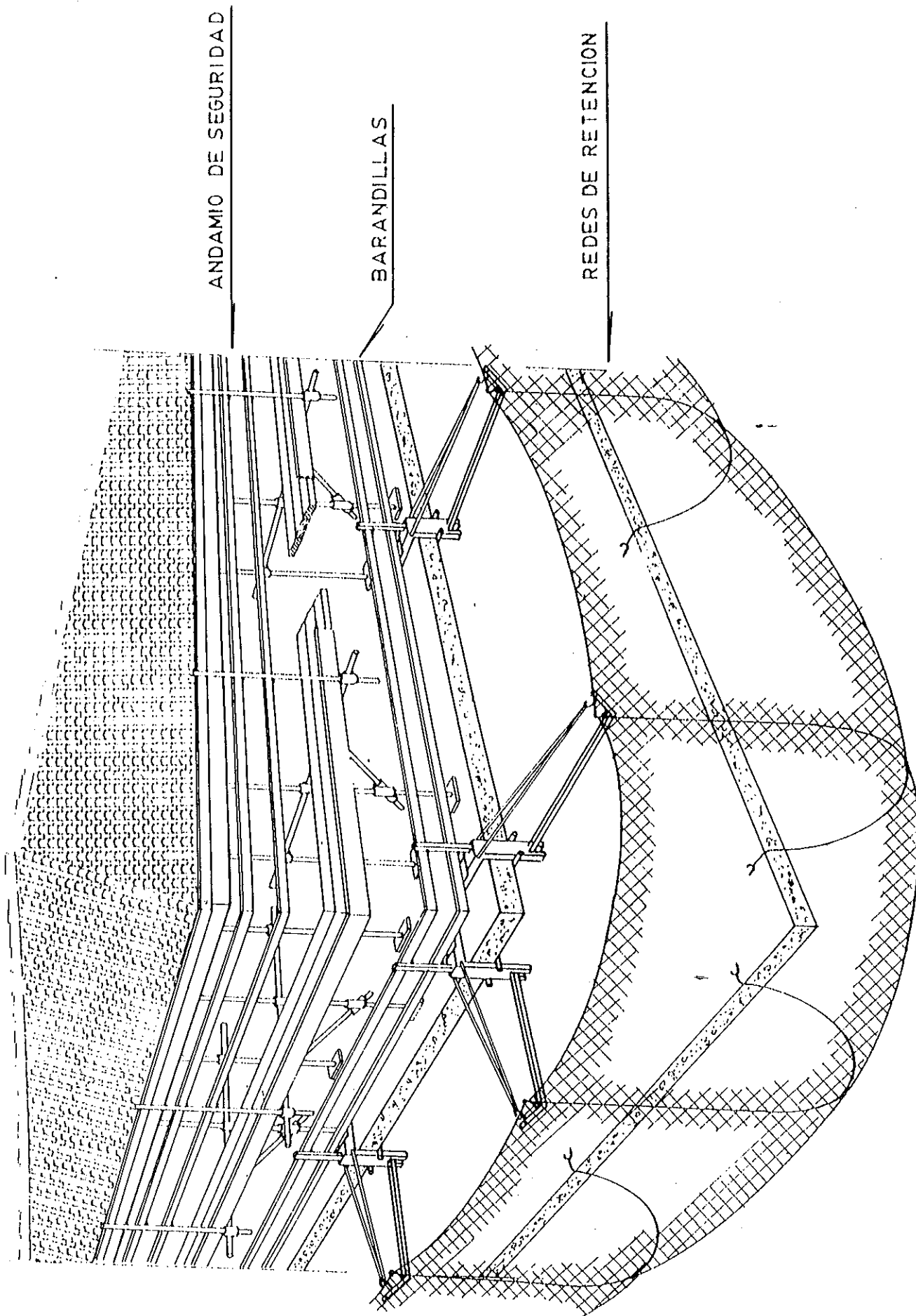
PLATAFORMA EN BORDE DE CUBIERTA



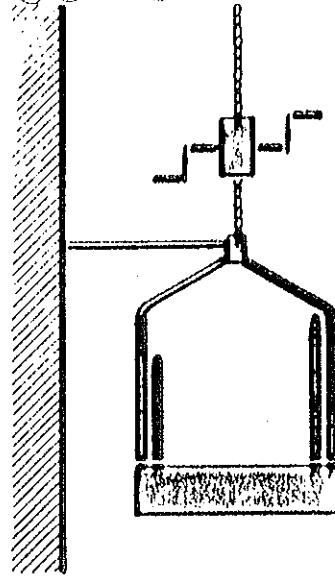
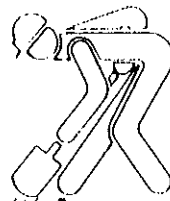
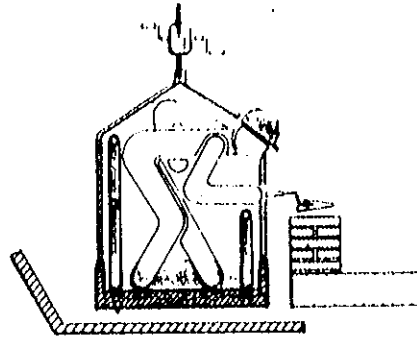
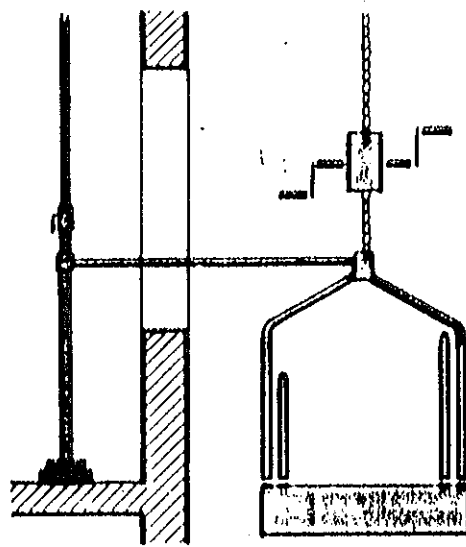
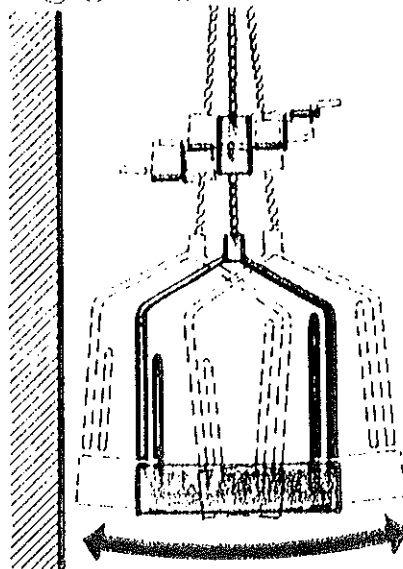
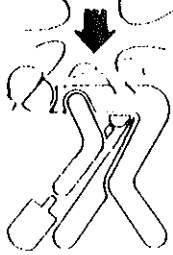
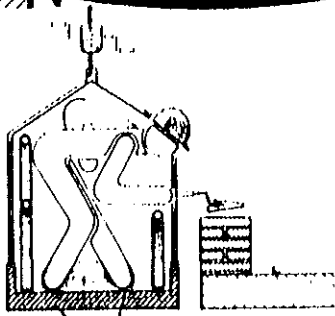
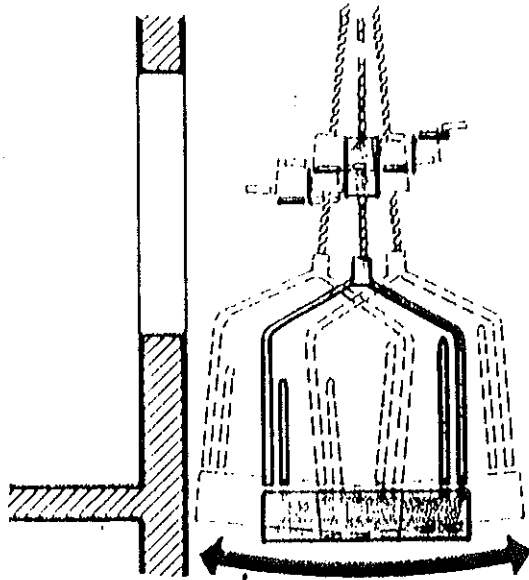
DETALLE Nº 17 (ALTERNATIVA)
ANDAMIO DE SEGURIDAD

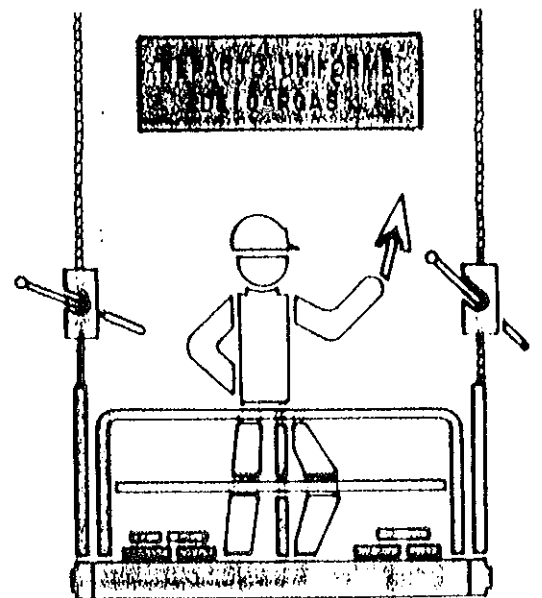
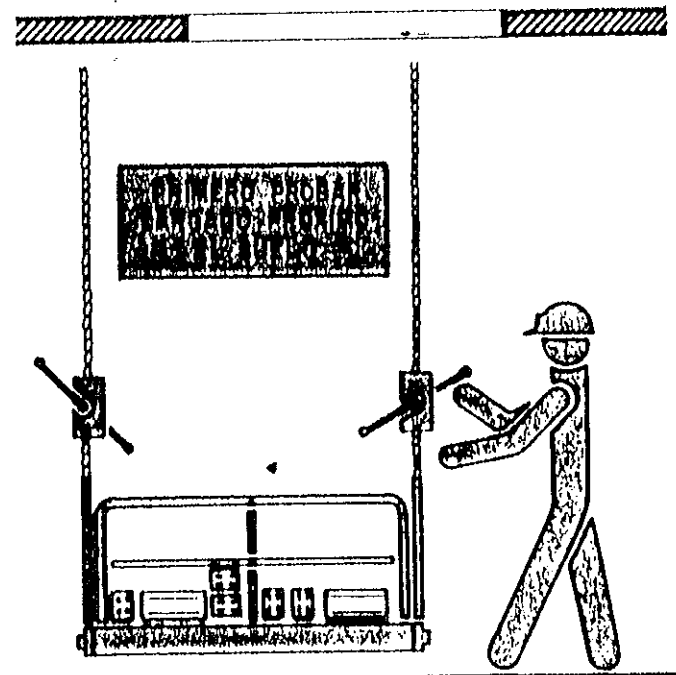
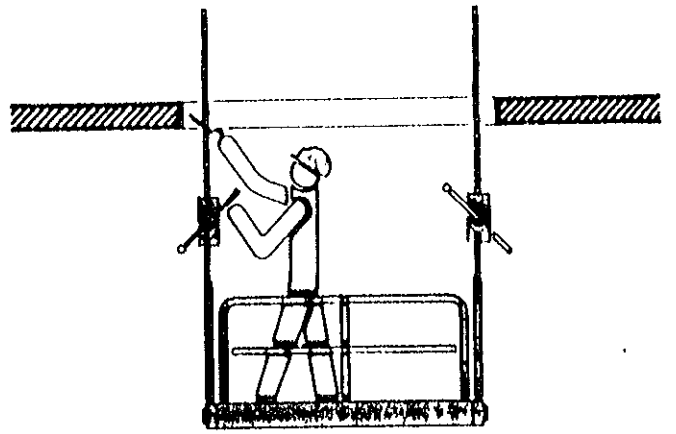
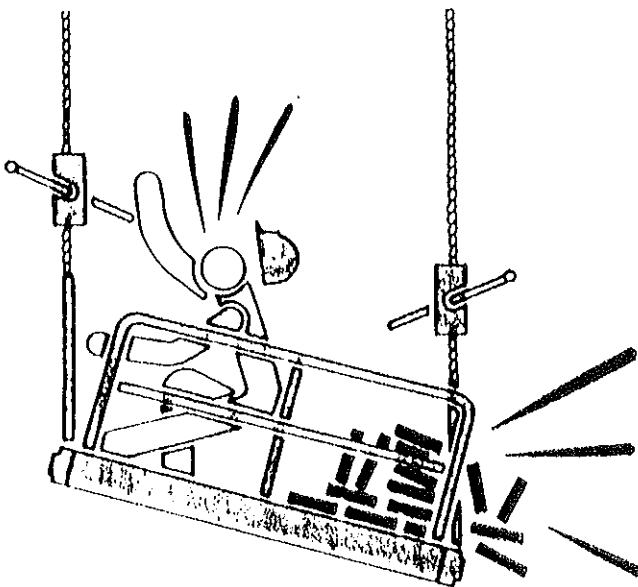
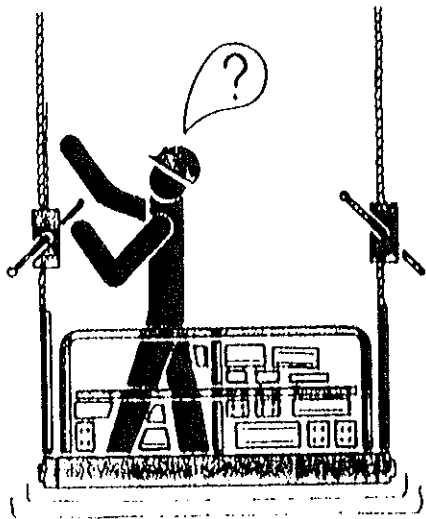
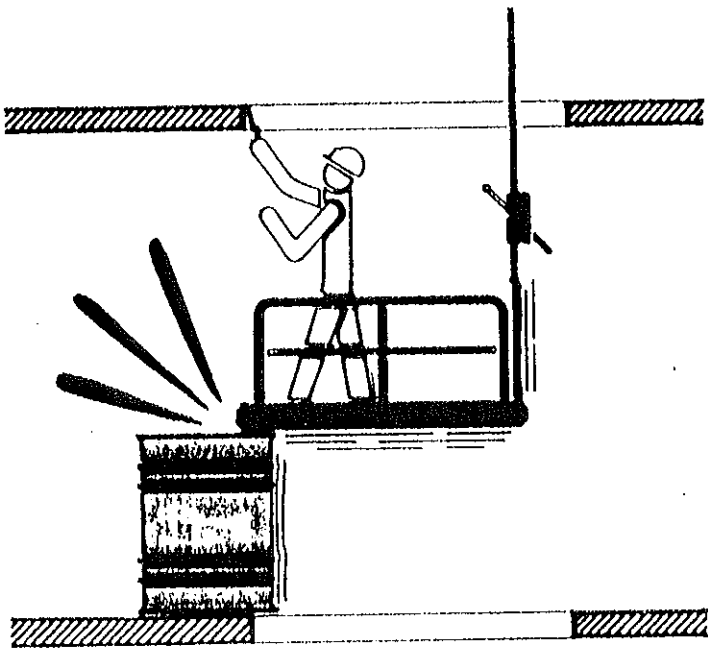


DETALLE Nº17. ANDAMIO DE SEGURIDAD



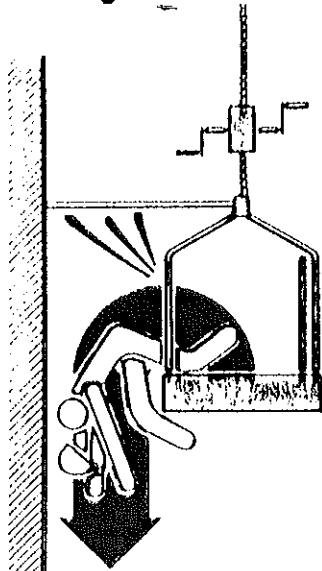
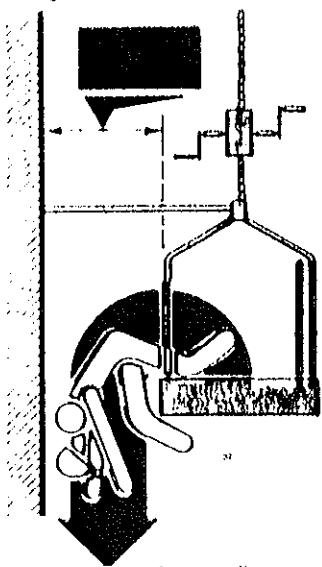
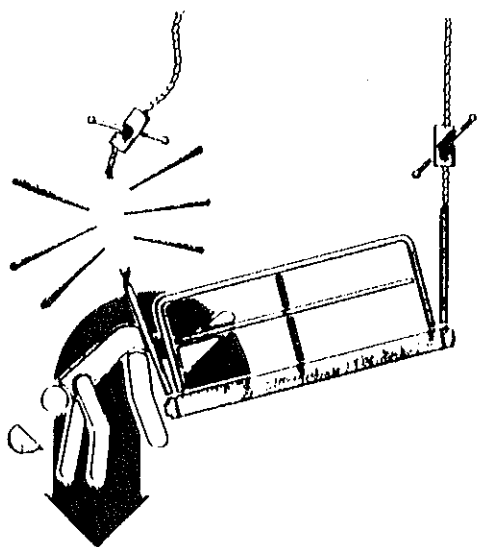
DETALLE GENERAL DEL ANDAMIO DE SEGURIDAD



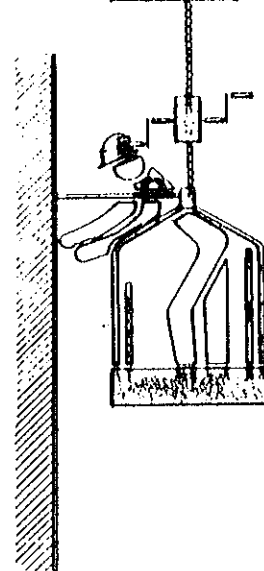
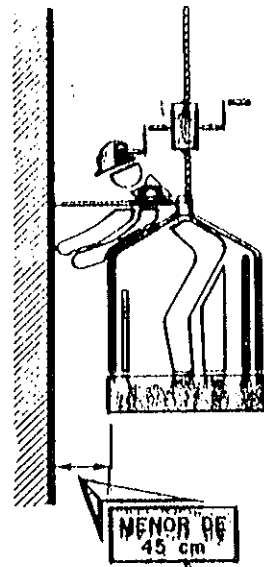
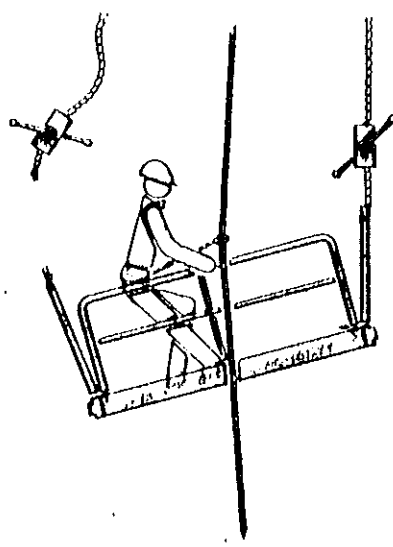


NO

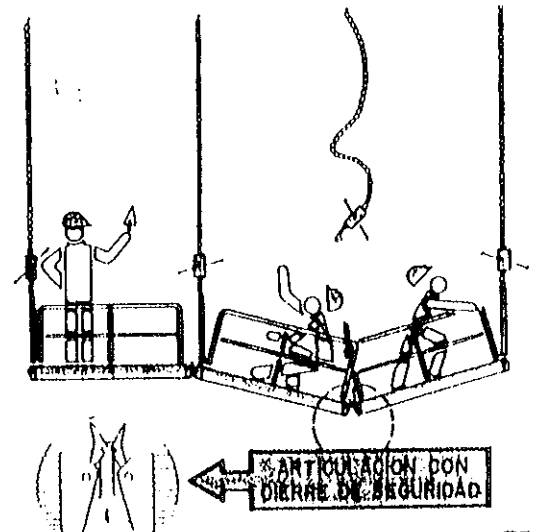
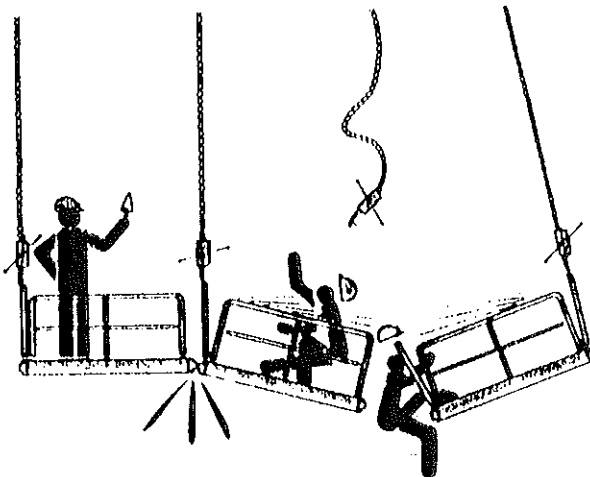
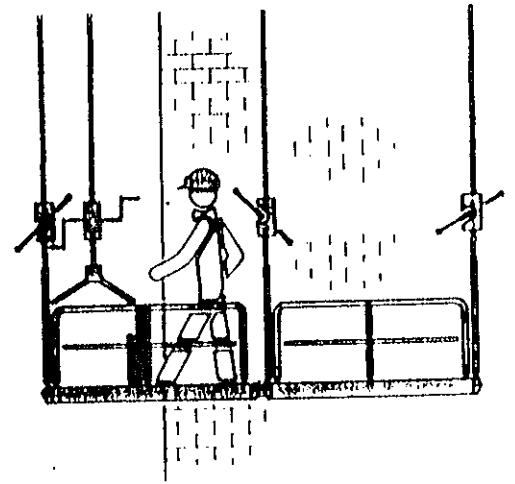
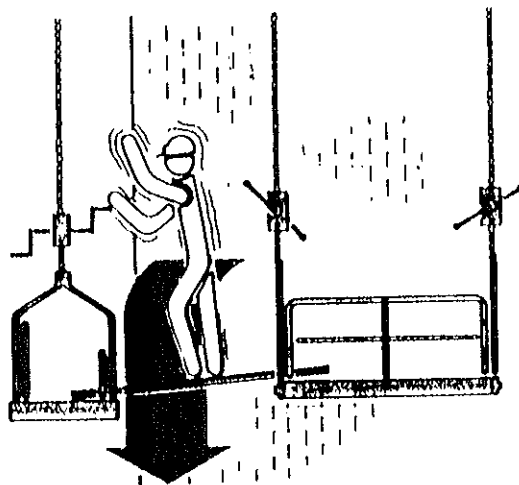
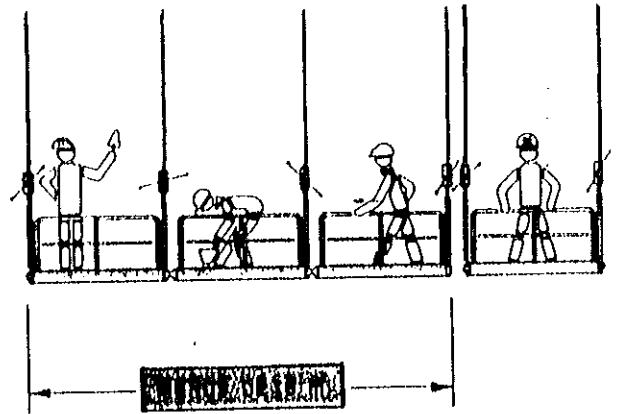
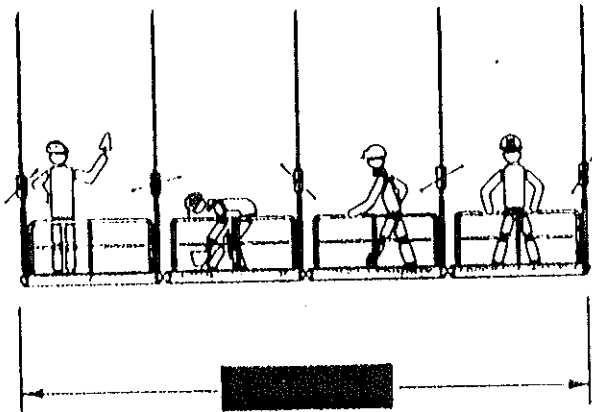
SI



NO



SI

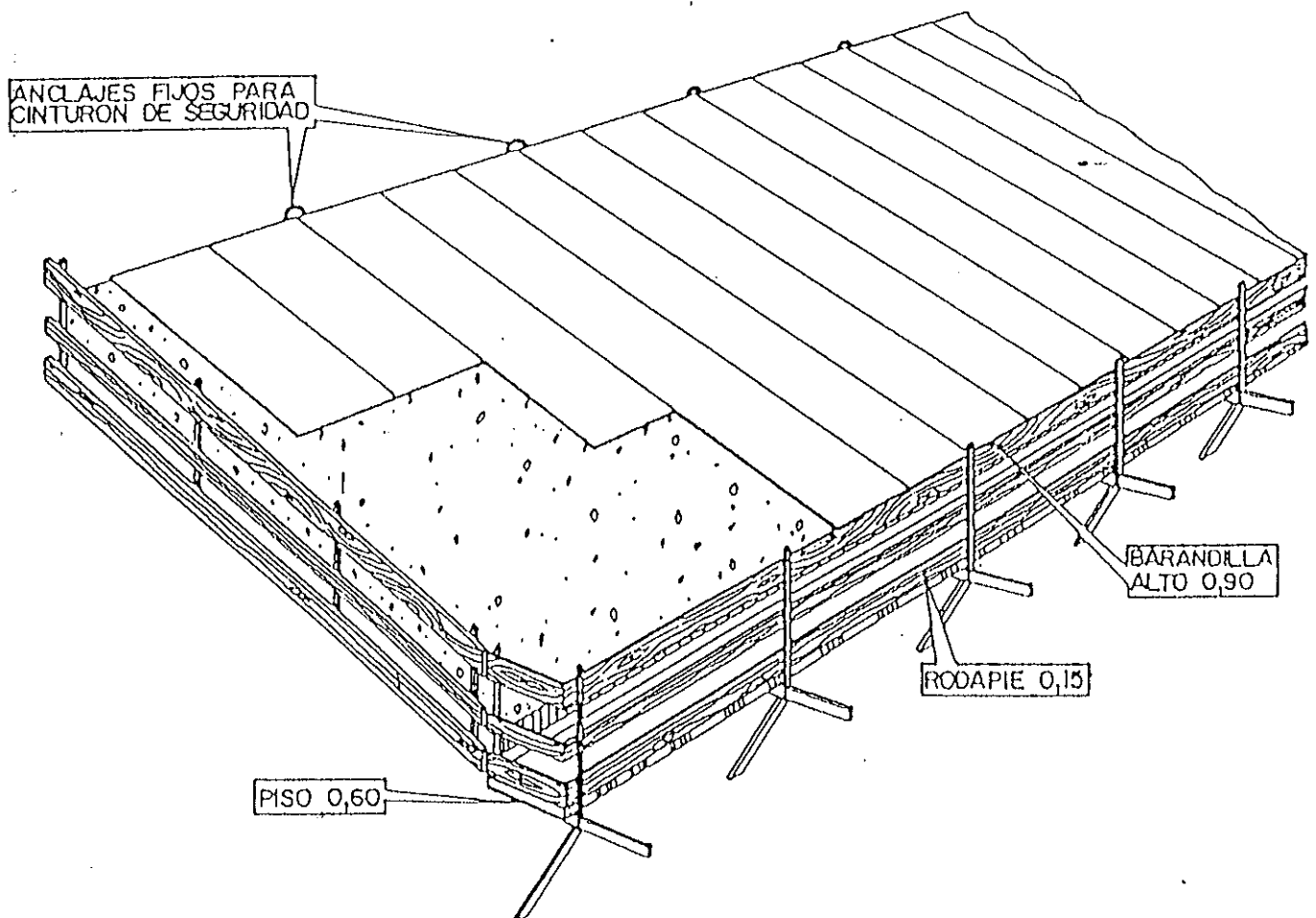


NO

SI

← SANCIONACIÓN CON
DIEZME DE SEGURIDAD

DETALLE Nº17. ANDAMIO DE SEGURIDAD



Protección de trabajos en cubiertas.

ANDAMIO COLGADO MOVIL

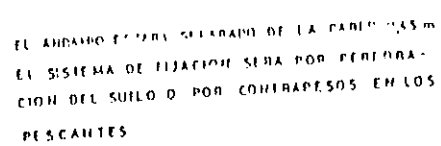


Figura 9...

DETALLE DE PESCANTE DE MADERA CON CONTRAPESOS

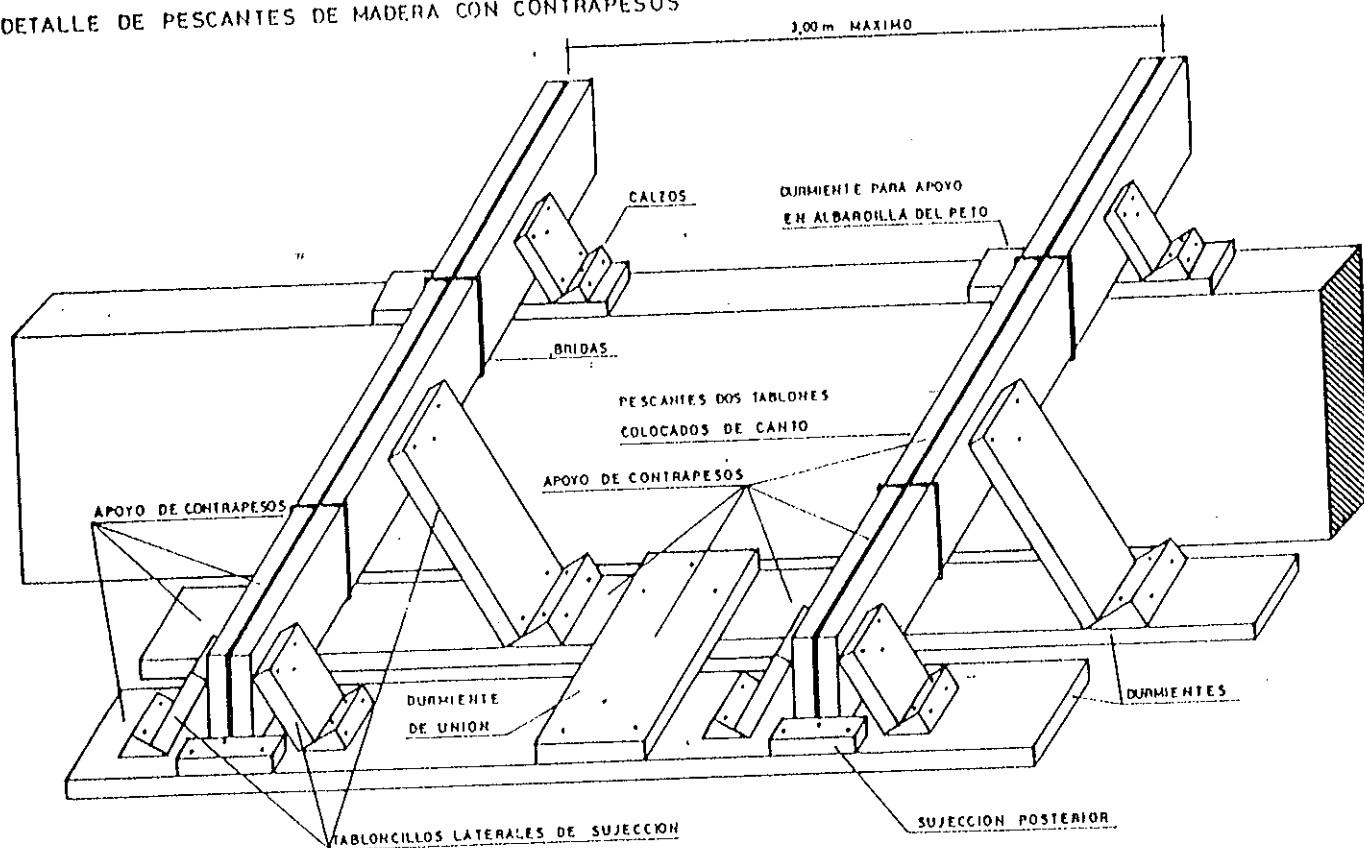


Figura 9

DETALLE Nº 18 ANDAMIO COLGADO MOVIL MEDIDAS DE SEGURIDAD

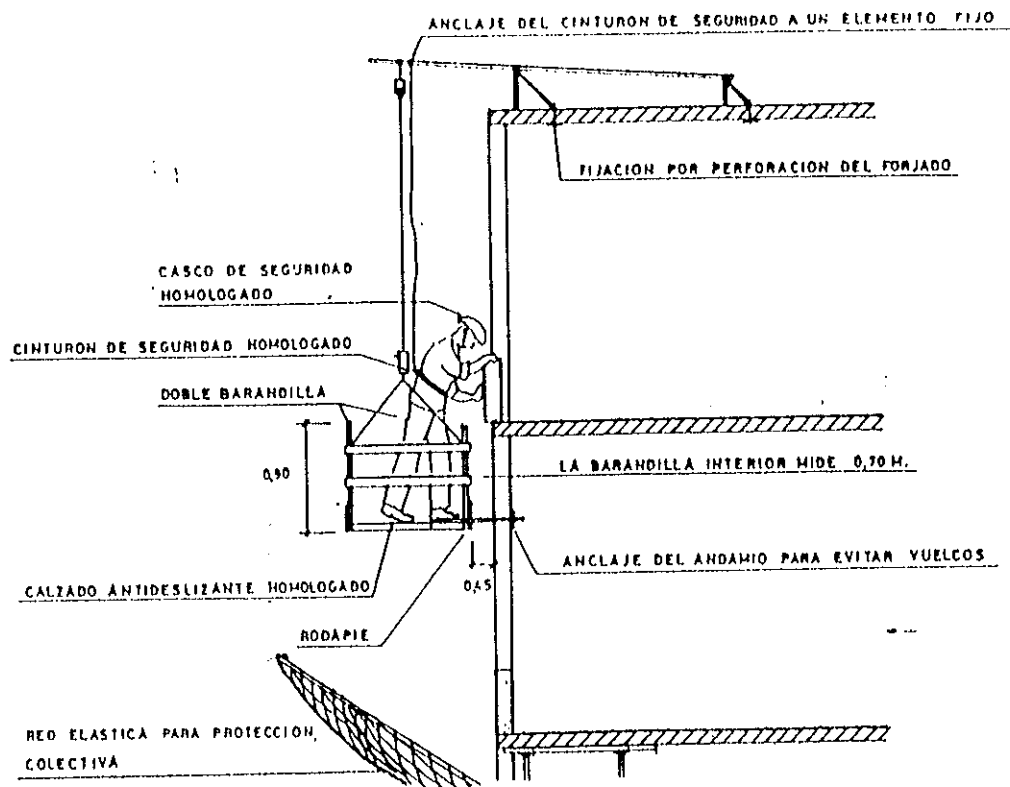
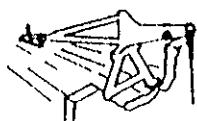


Figura 9

DETALLES DE PESCANTE METALICO EN ANDAMIOS COLGADOS MOVILES

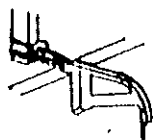
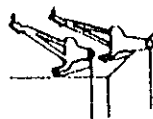
Sobre caballete y fijacion por perforacion



Sobre caballete en esquina y fijacion por perforacion



Sobre placa horizontal en esquina saliente con perforacion

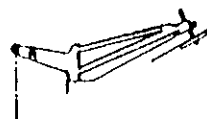


Sujecion a pilar de la cadena y del cable del aparejo

Varilla roscada soldada a tubo rectangular fijo con tuerca y contratuerca



Sobre placa inclinada y fijacion por perforacion



DETALLE DE ANDAMIO COLGADO CON PESCANTE METALICO

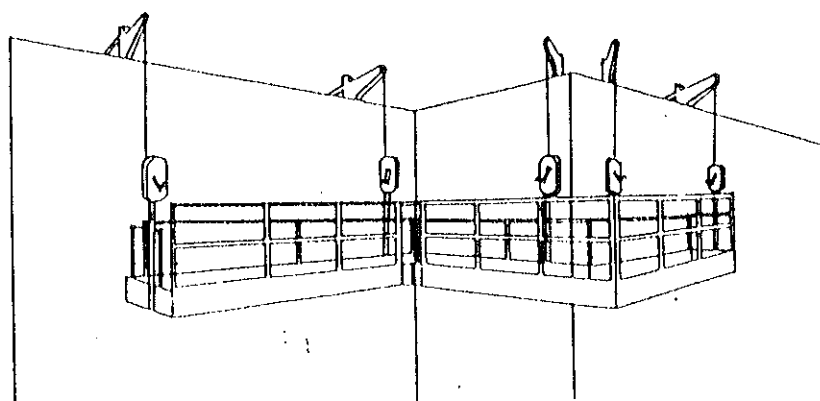
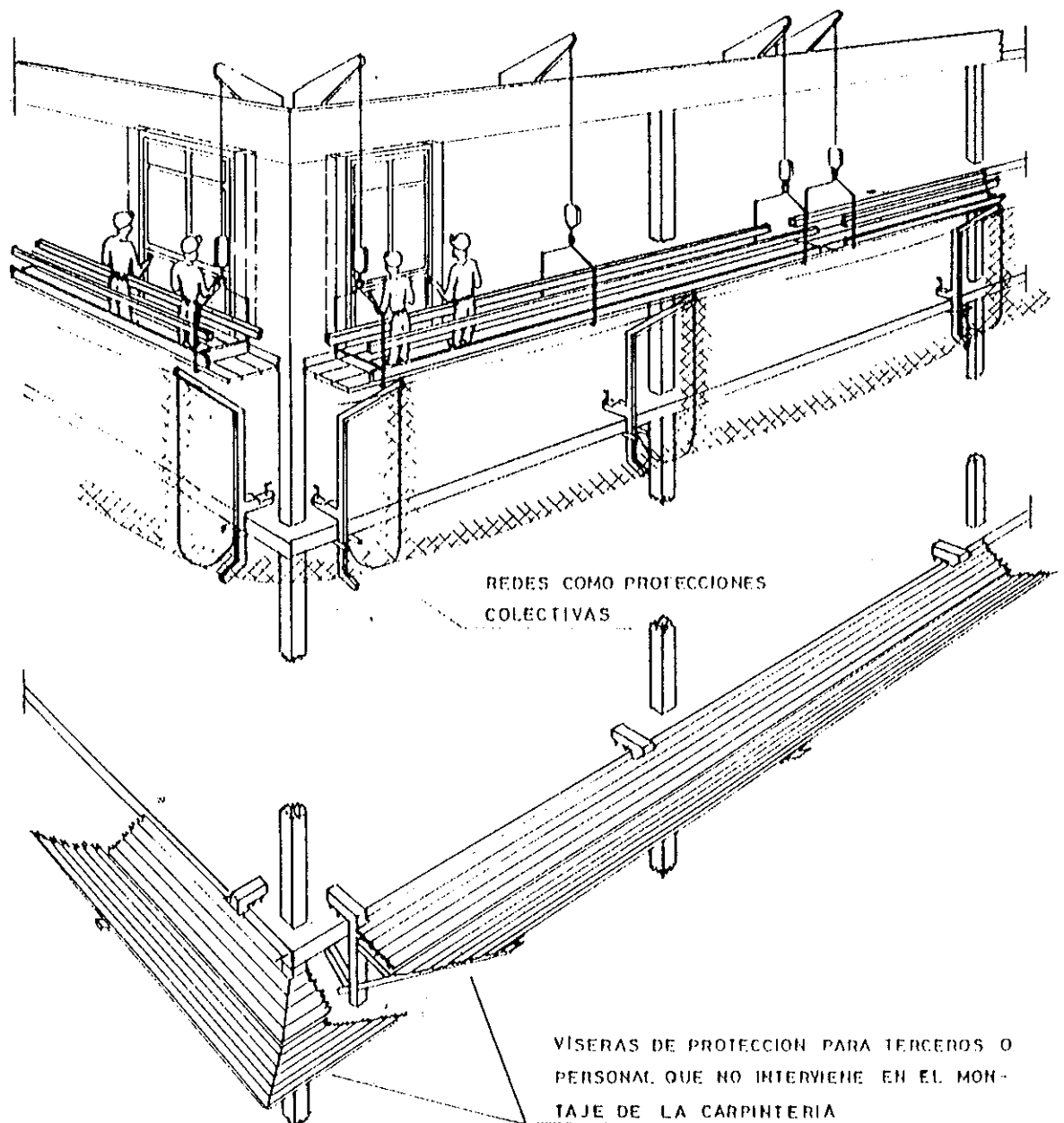


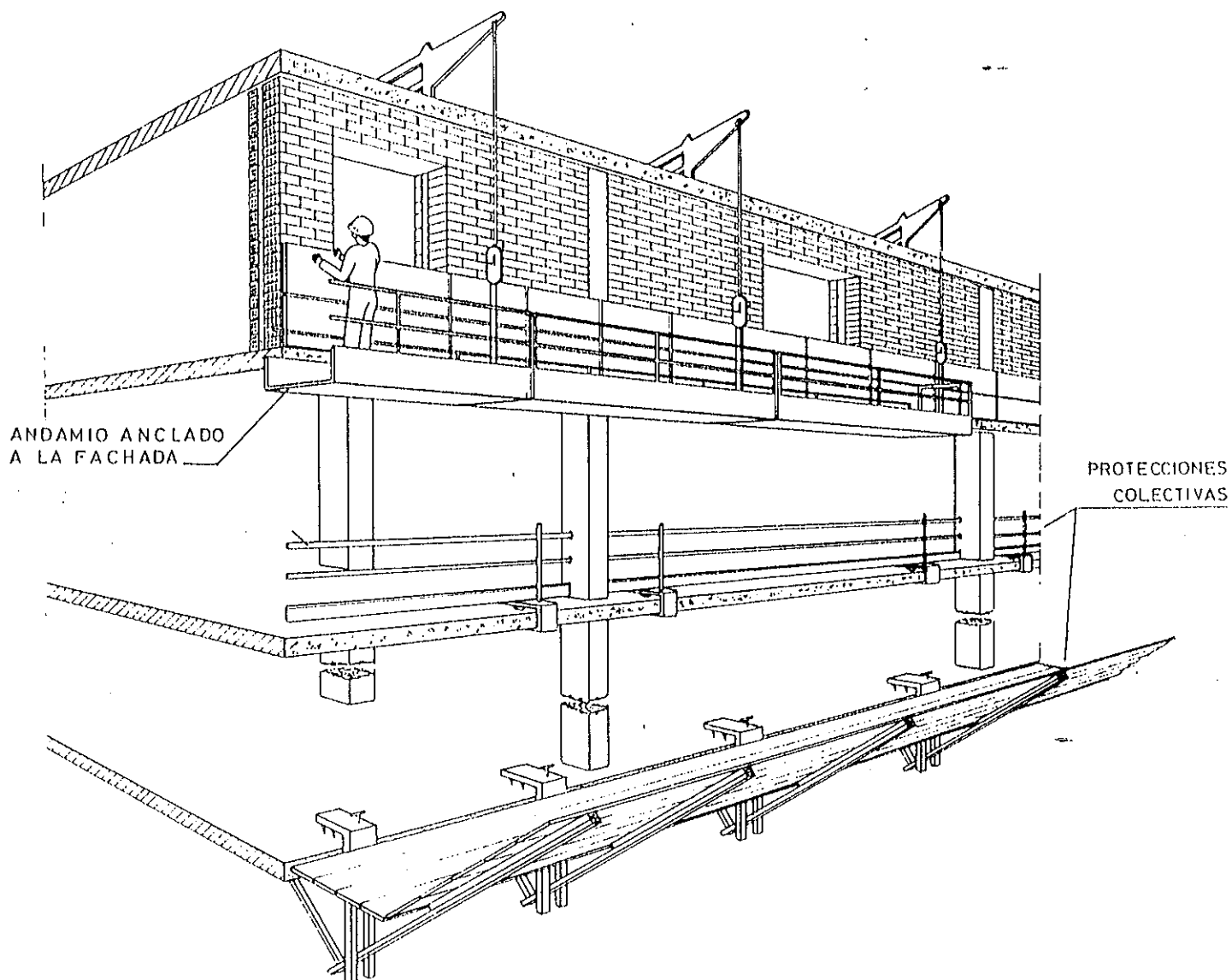
Figura 9

SEGURIDAD EN EL MONTAJE DE CARPINTERIA METALICA

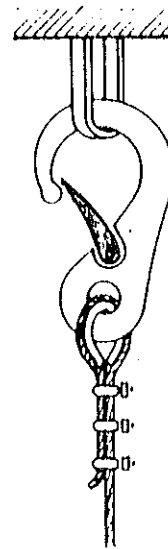
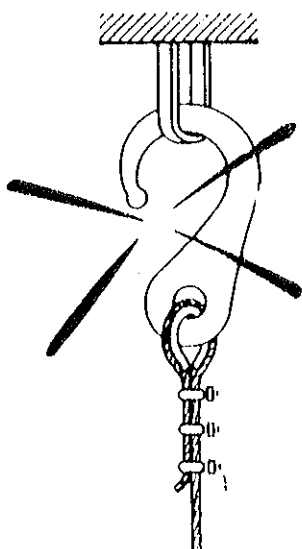
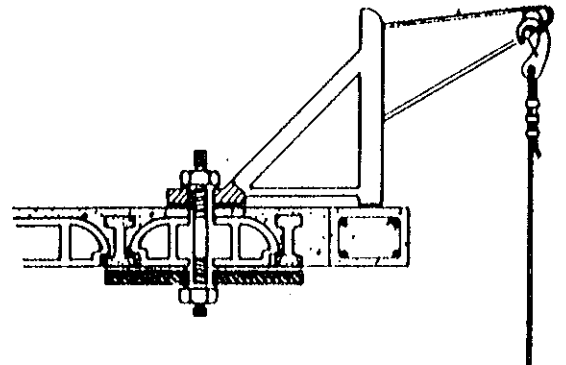
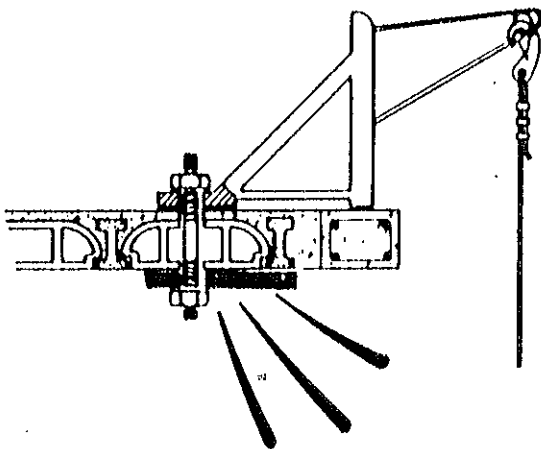
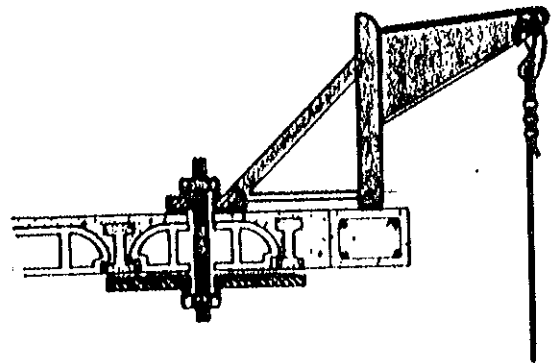
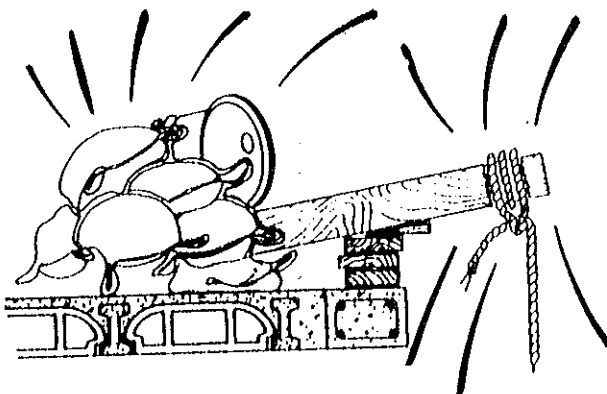
ANDAMIOS EXTERIORES COLGADOS CON ANCLAJE AL FORJADO



DETALLE Nº 18 TRABAJOS VARIOS
REVESTIDO EXTERIOR Y COTEGRAN



ANDAMIOS COLGANTES

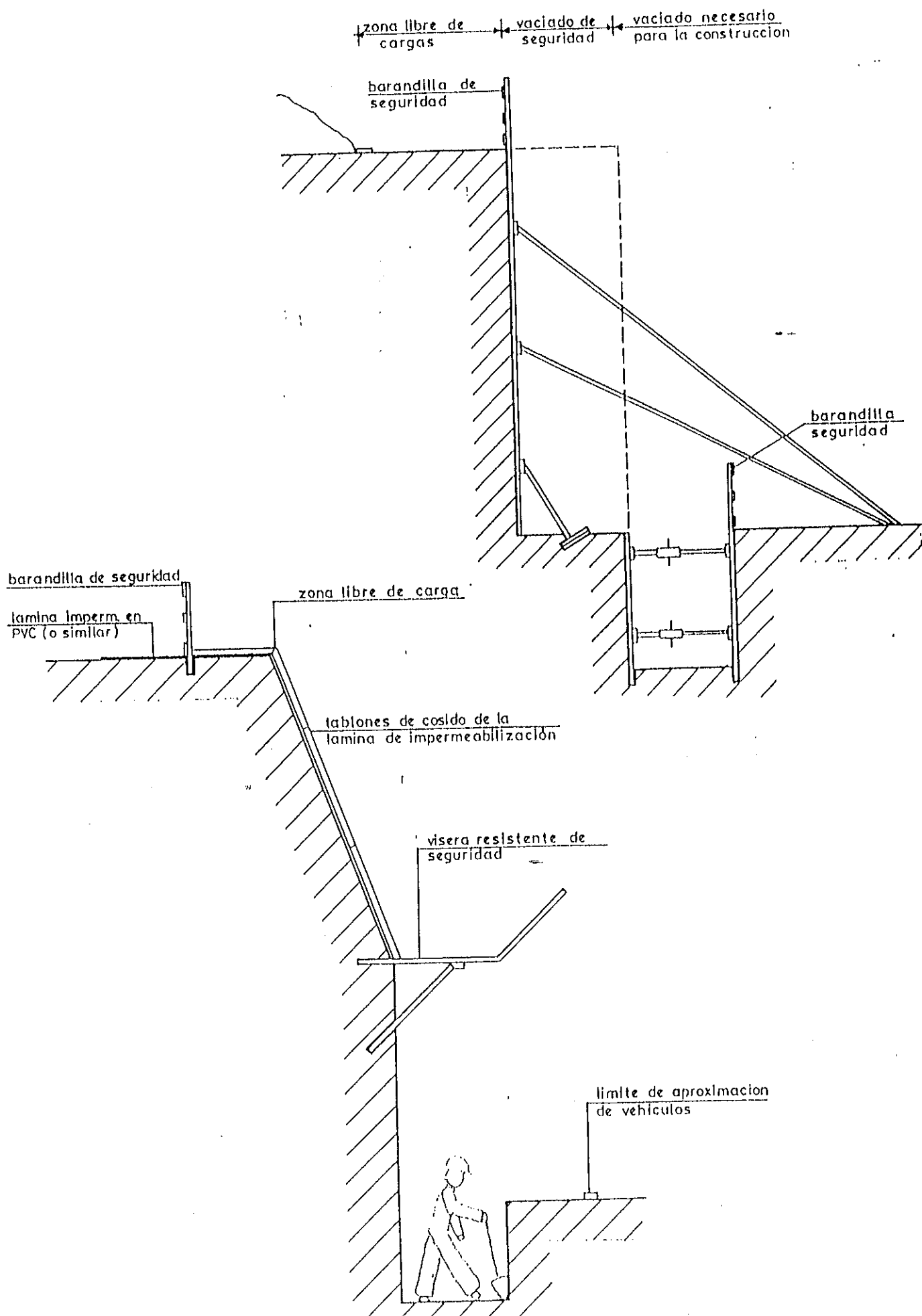


NO

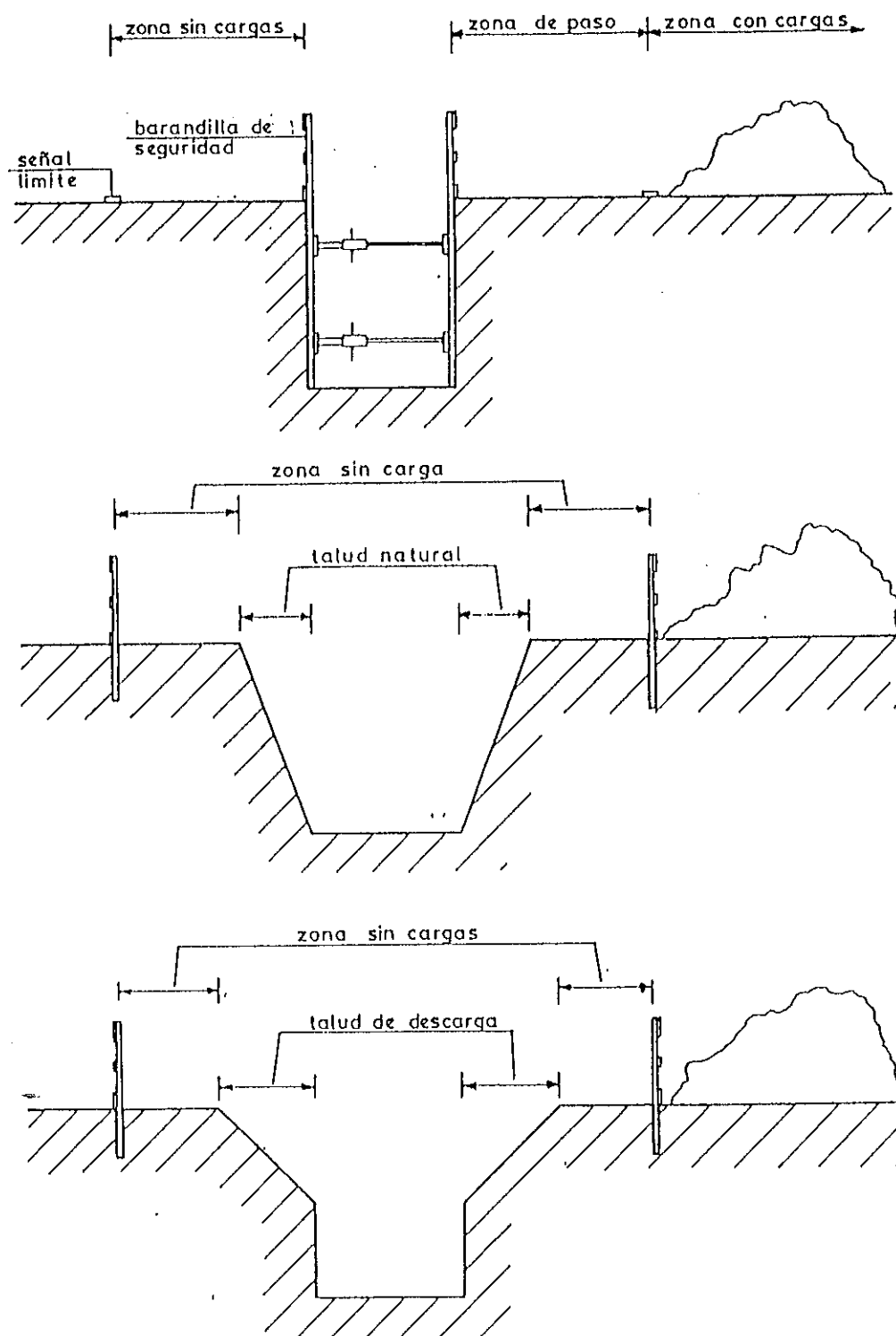
SI

DETALLE Nº 21

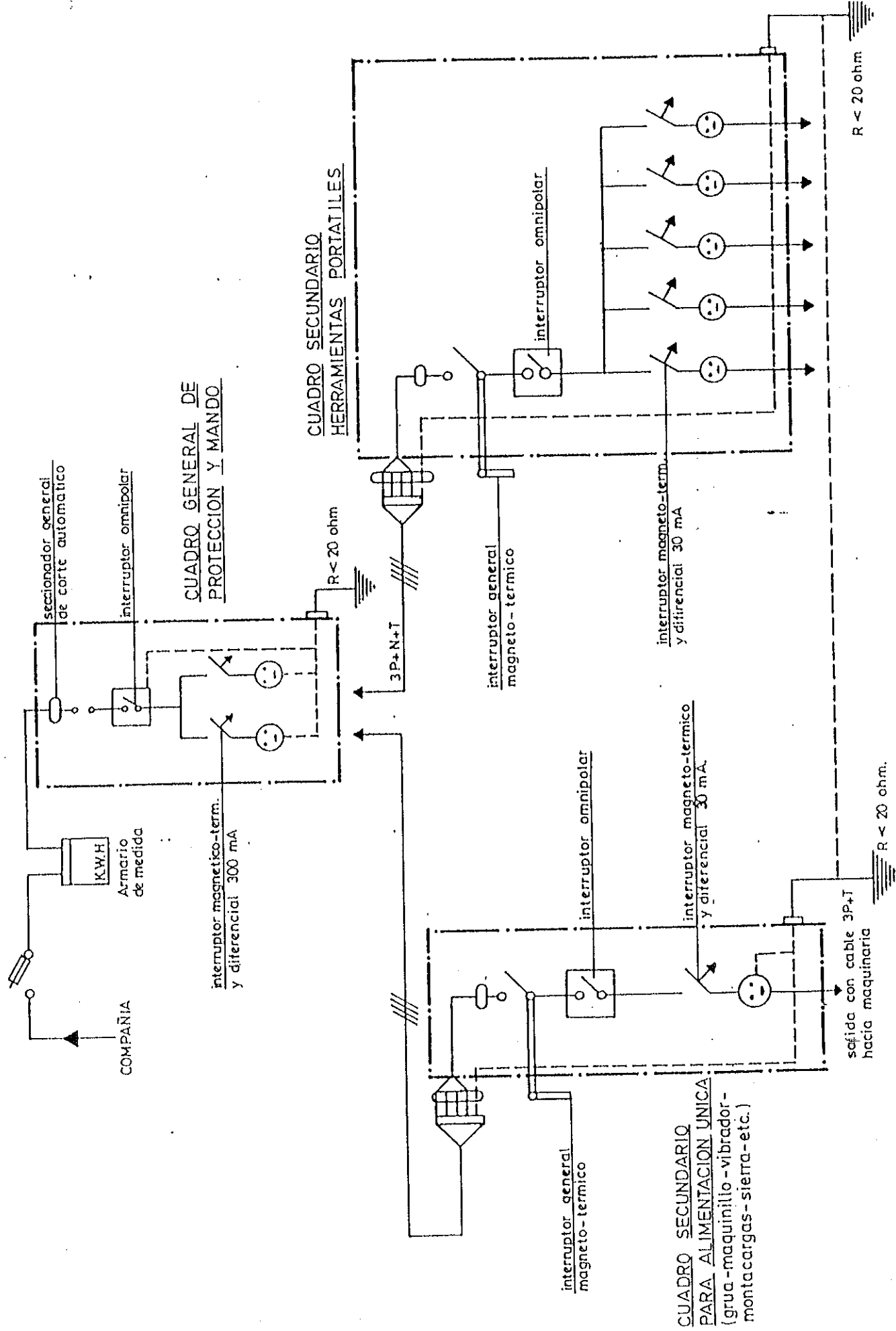
MEDIDAS DE PROTECCION Y APUNTALAMIENTOS EN VACIADOS



DETALLE Nº 22
MEDIDAS DE PROTECCION EN ZANJAS



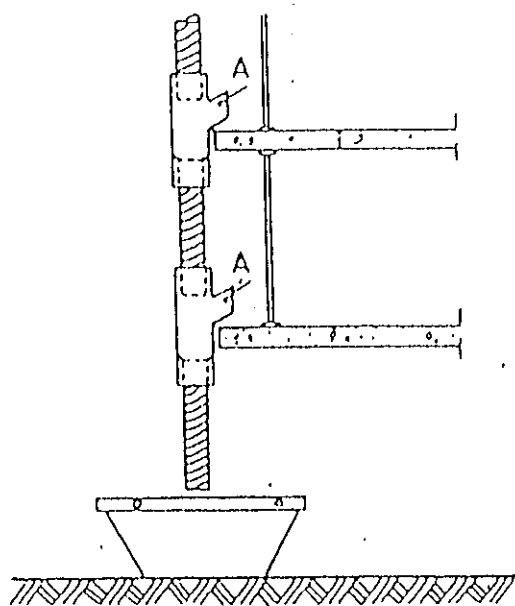
MEDIDAS DE PROTECCION EN ZANJAS



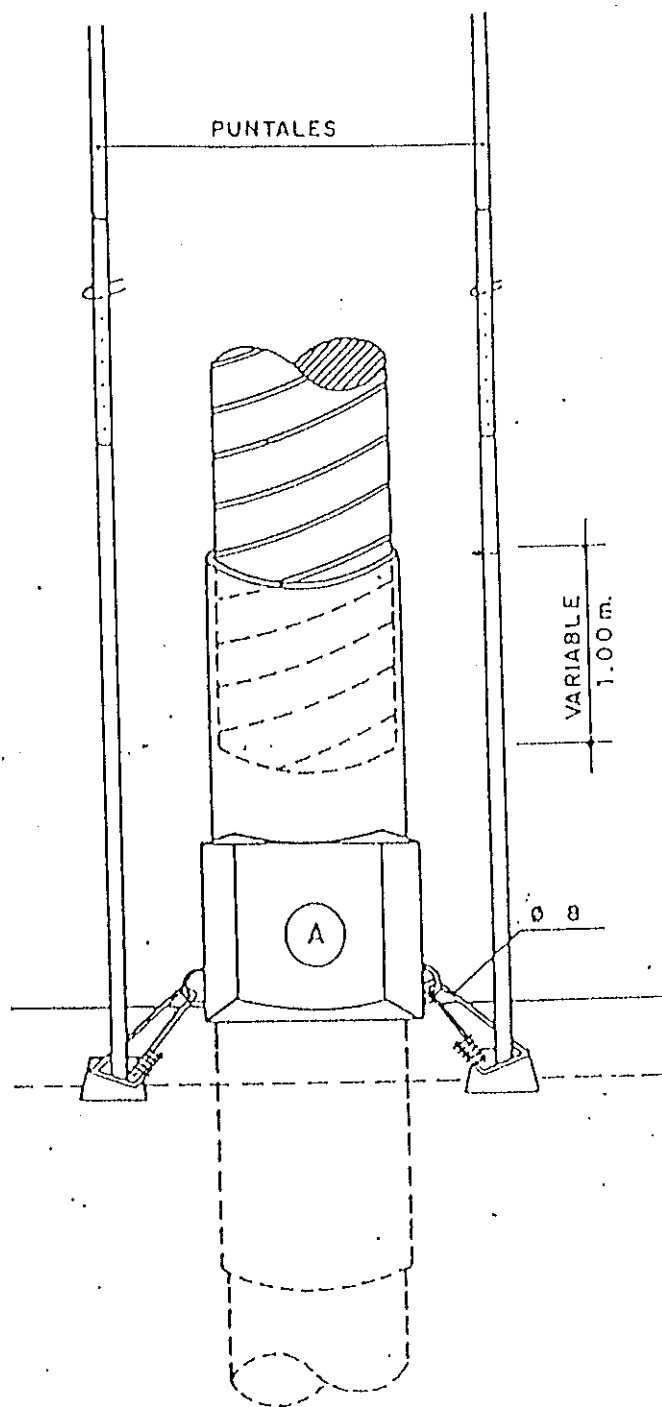
ESQUEMA DE INSTALACION ELECTRICA DE OBRA

DETALLE Nº 24

BAJANTE DE ESCOMBROS TIPO TELESCOPICO



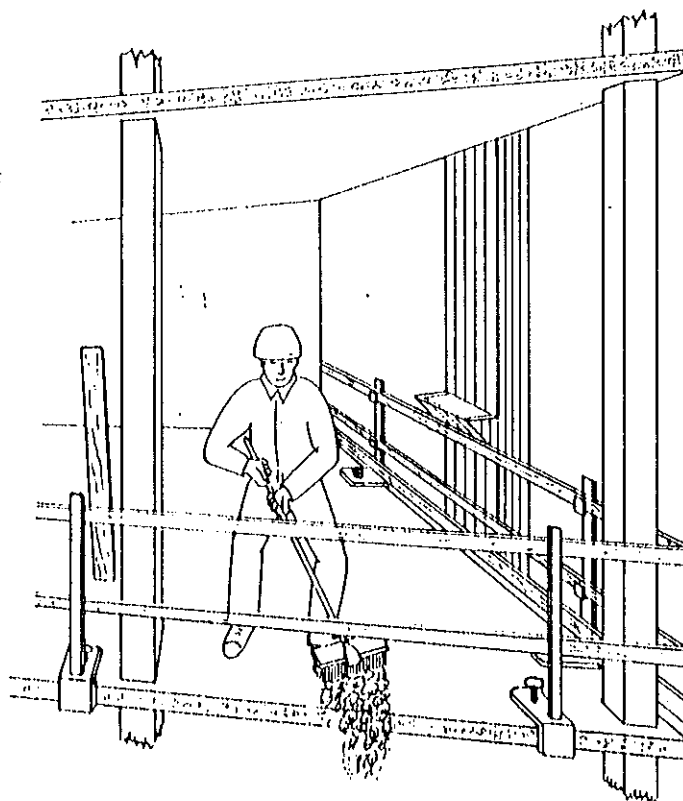
SECCION



DETALLE

DETALLE Nº 24. BAJANTE-TOLVA ESCOMBROS

ORDEN Y LIMPIEZA.

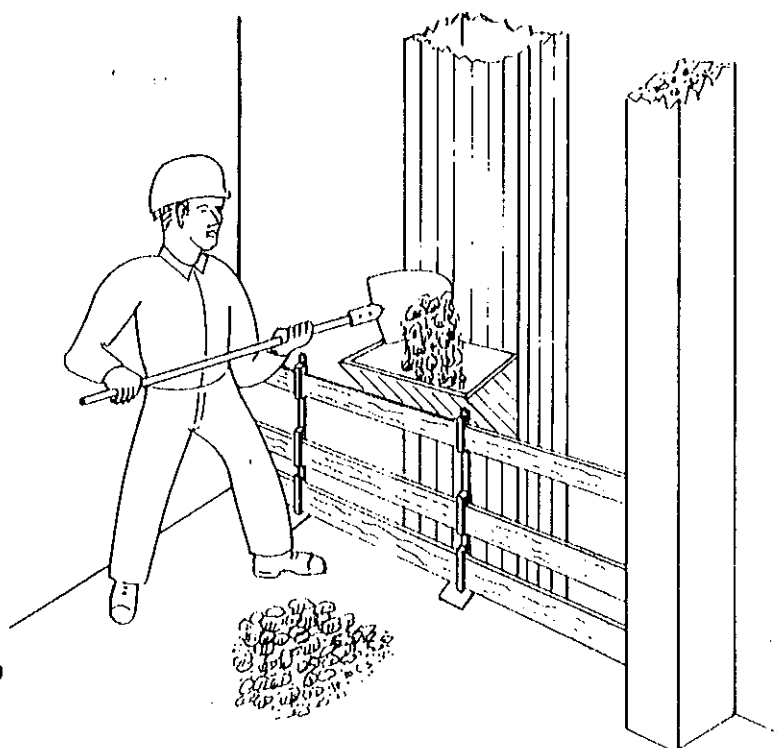


NO

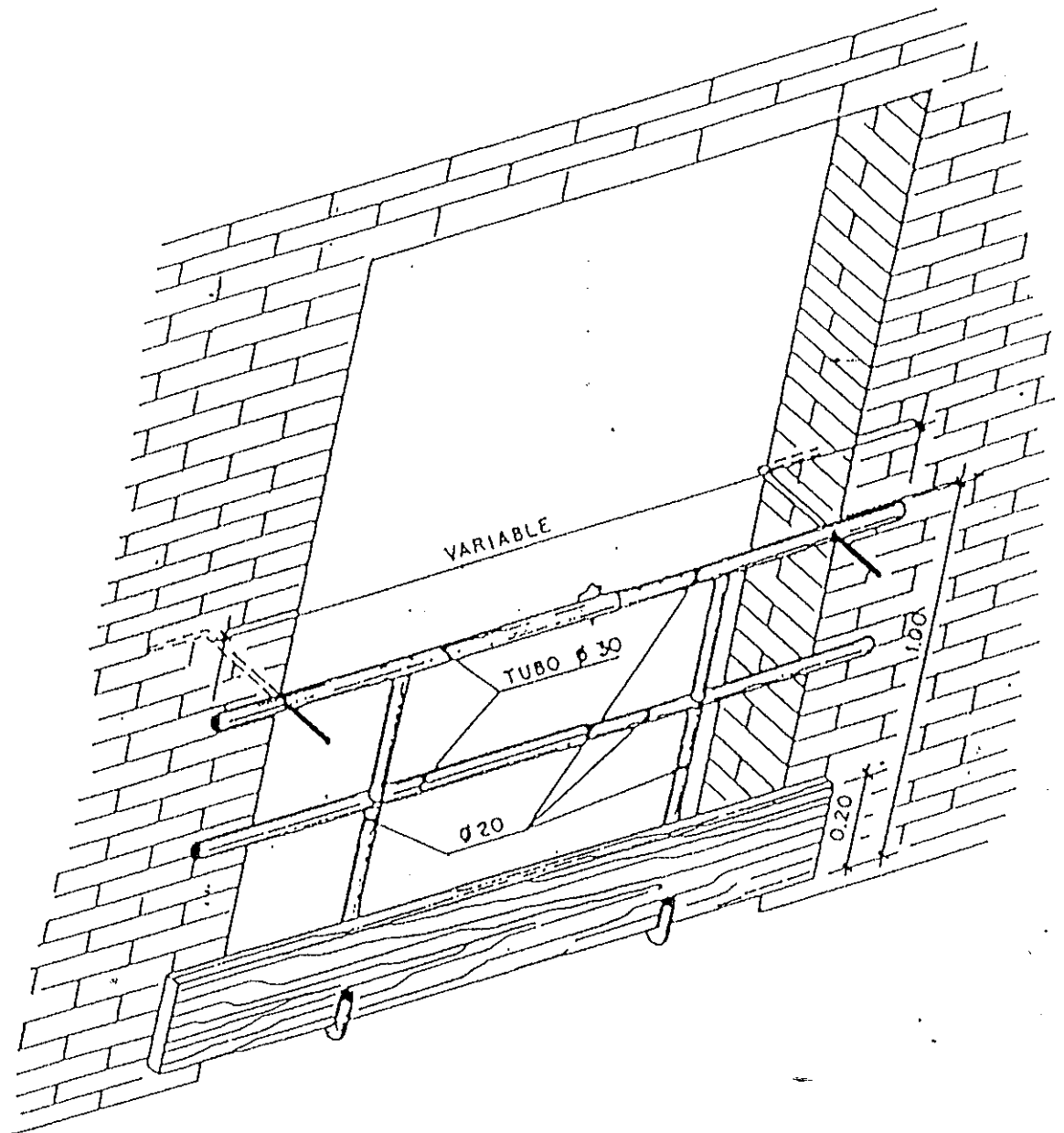
EMPLEO DE TOLVA
PARA LA LIMPIEZA
Y DESESCOMBRO

ORDEN Y LIMPIEZA.

SI

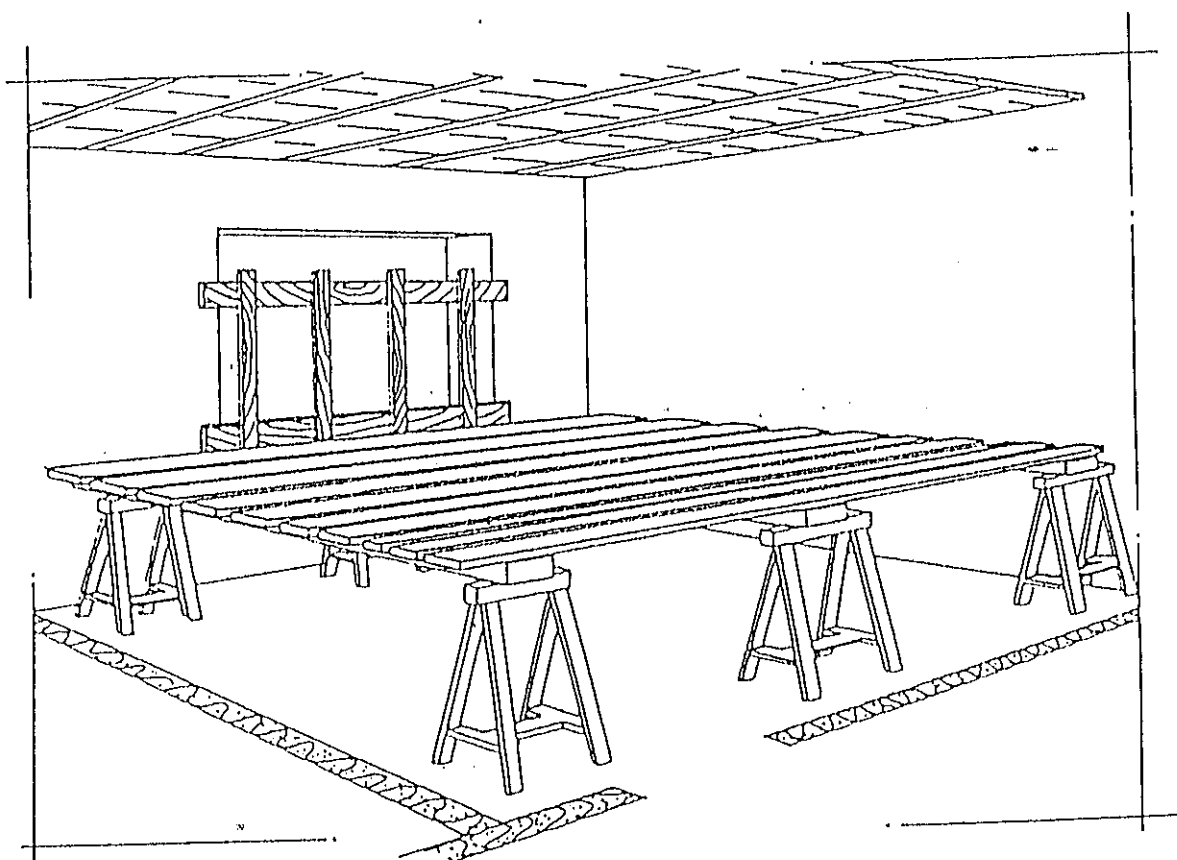


TOLVA
PARA DESESCOMBRO



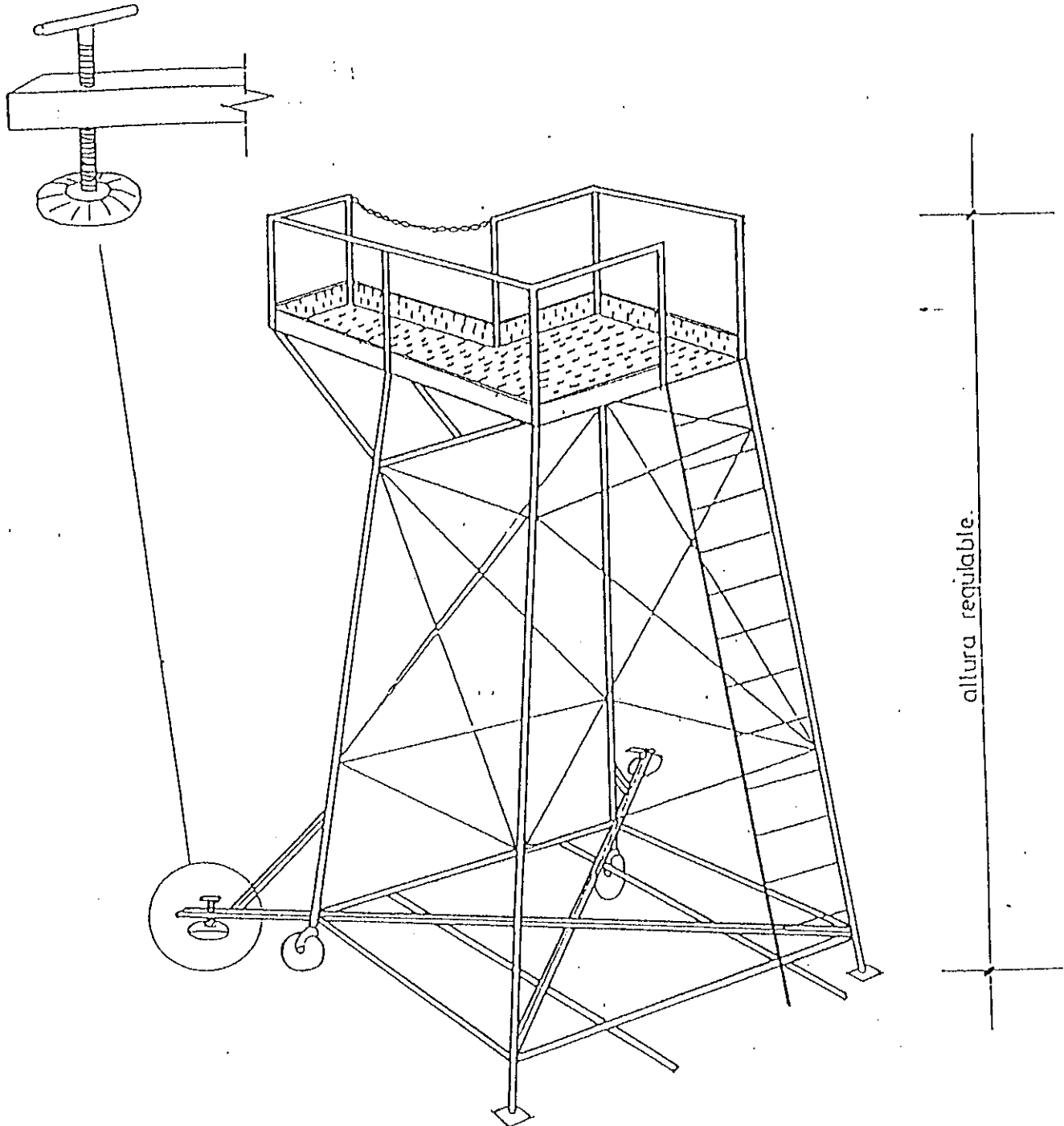
LA PROTECCION PERMANECERA COLOCADA HASTA LA INSTALACION
DEFINITIVA DE LA PUERTA DEL ASCENSOR Y VENTANALES

DETALLE Nº 25



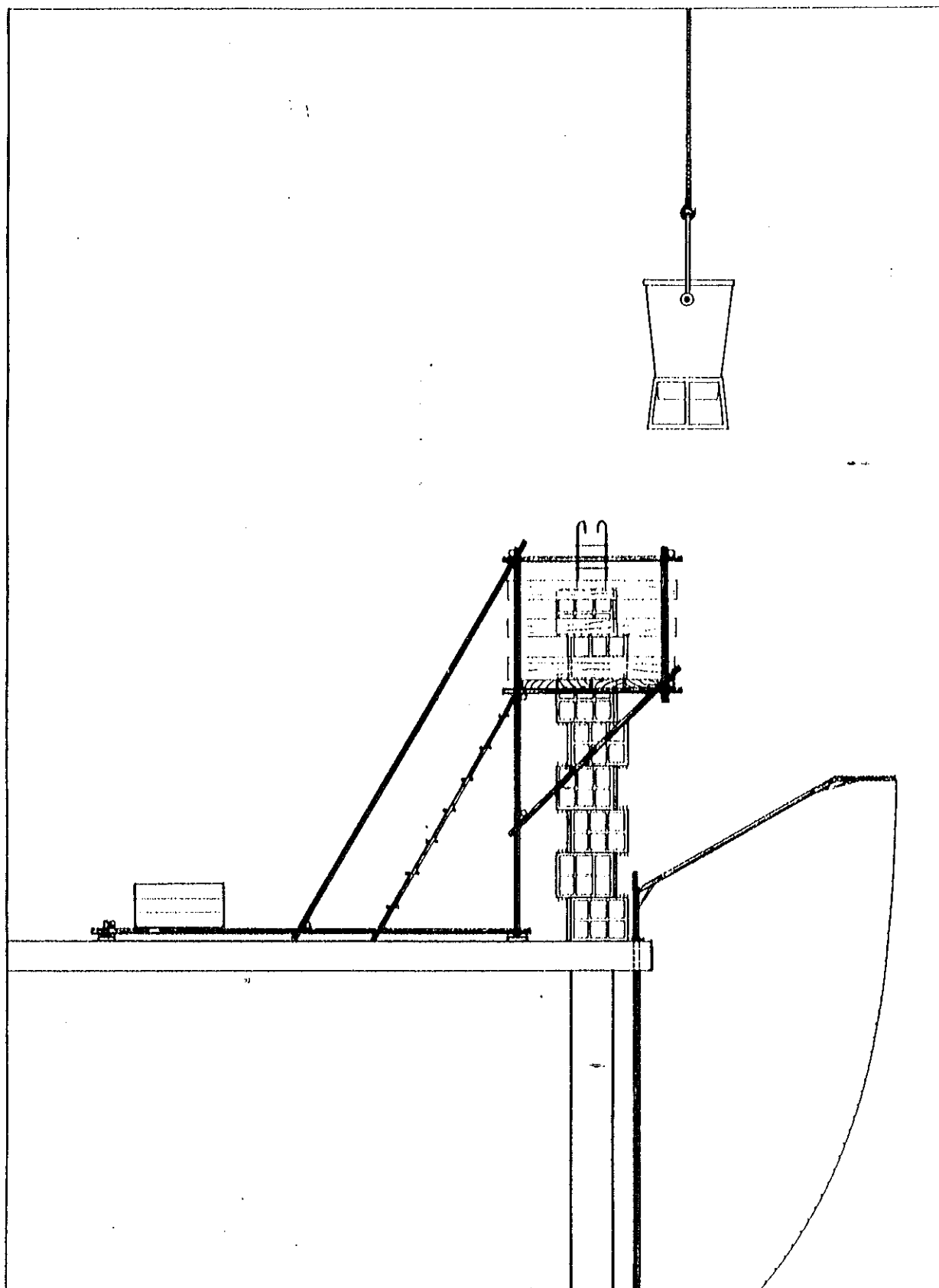
Protección de huecos de ventanas en trabajos sobre el nivel del forjado.

DETALLE Nº 26

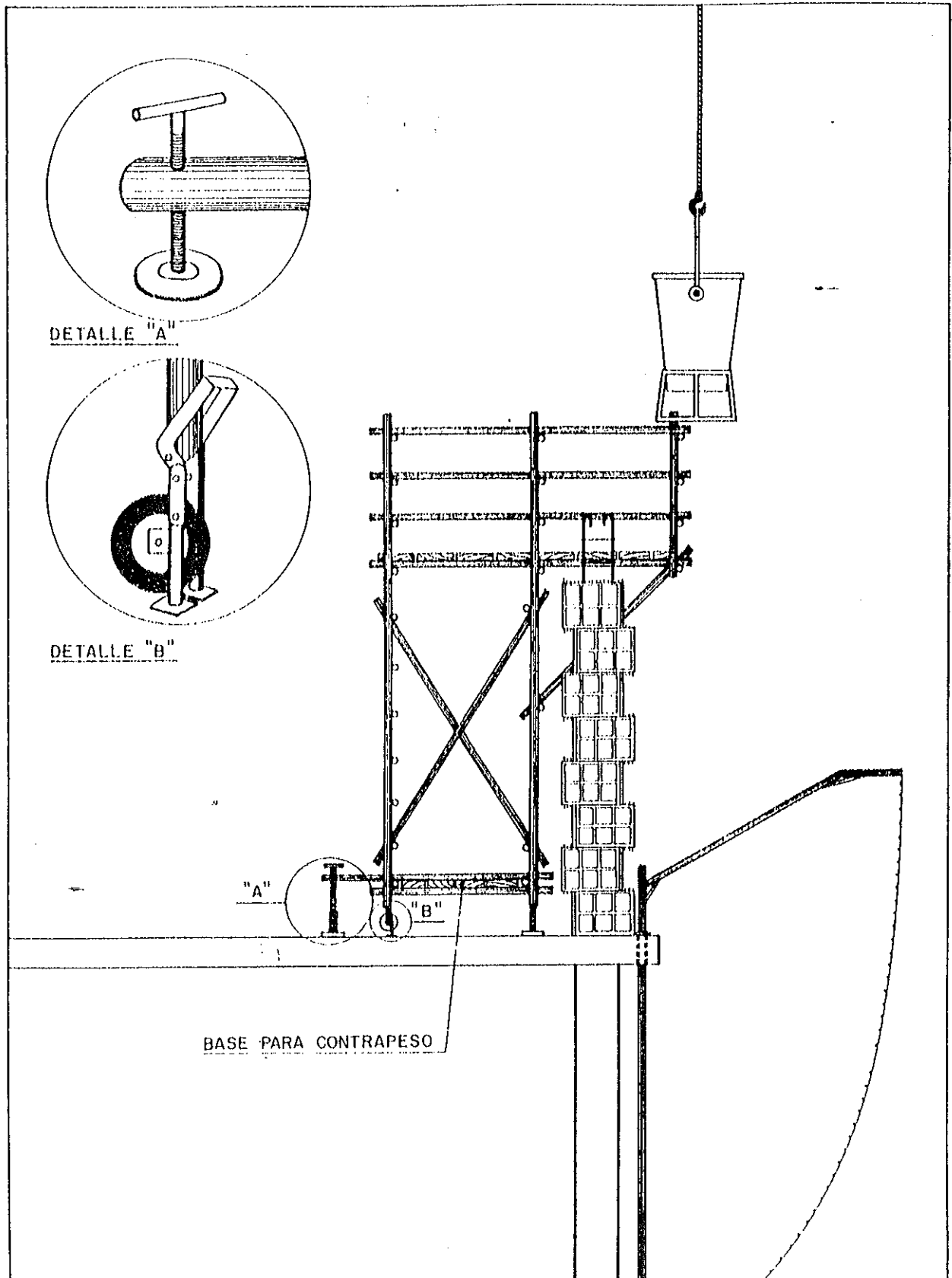


Torreta para hormigonado de pilares.

DETALLE Nº 26



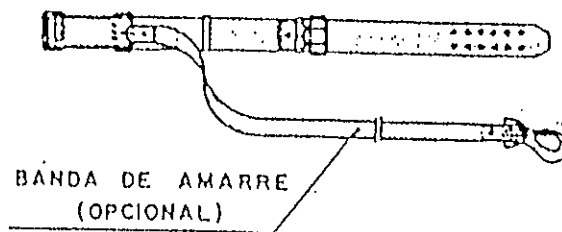
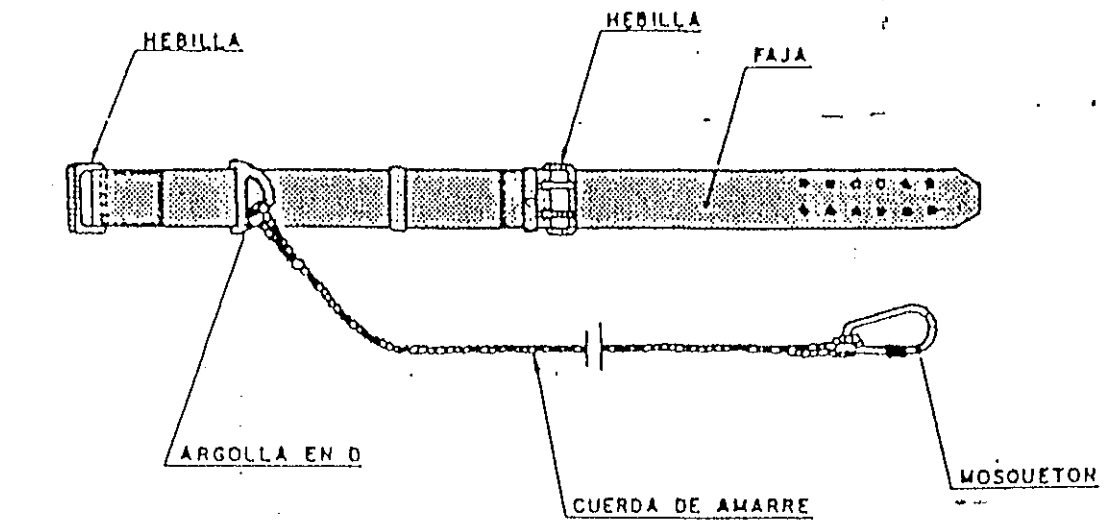
DETALLE Nº 26



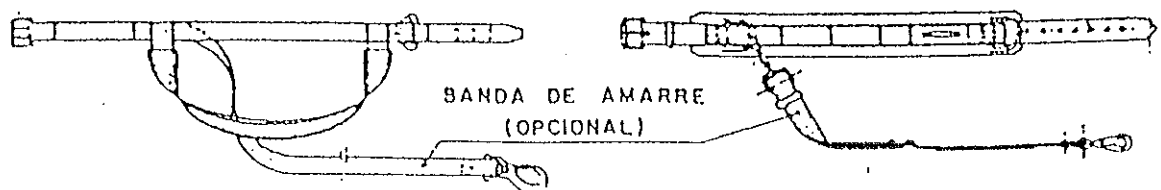
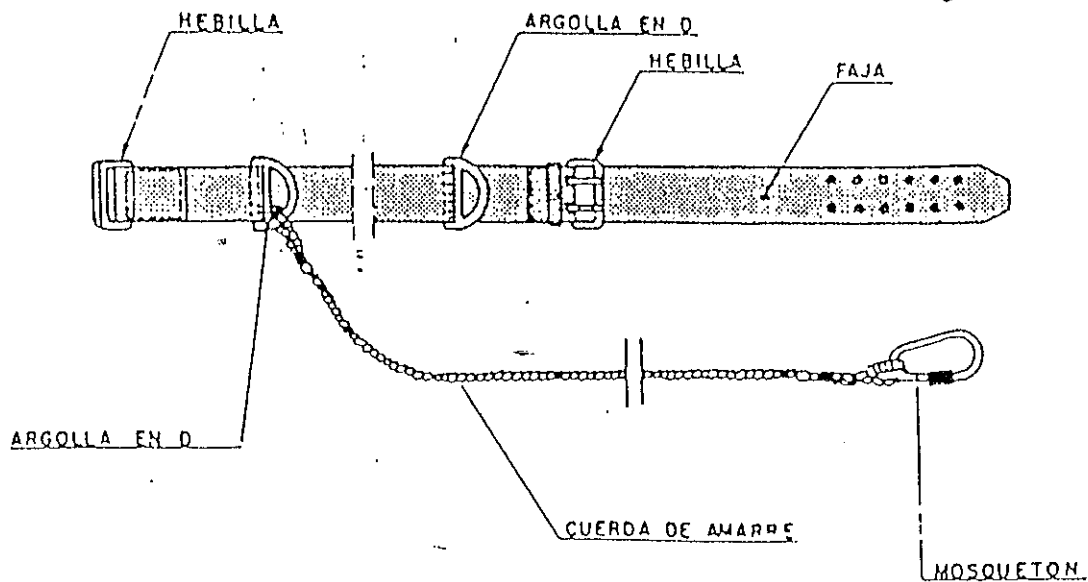
VARIOS

CINTURON DE SEGURIDAD - Clase "A"
DE SUJECCION

TIPO 1



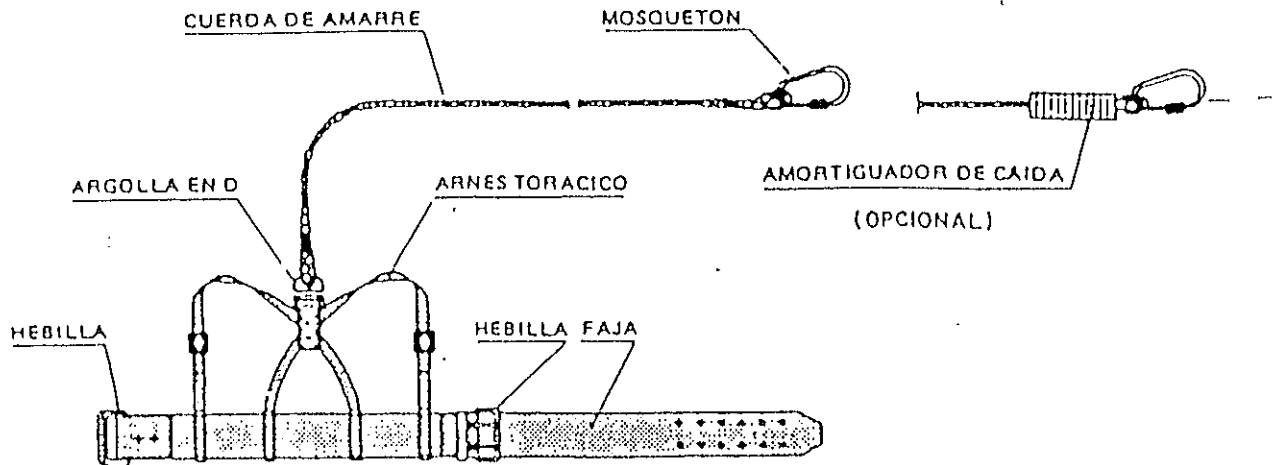
TIPO 2



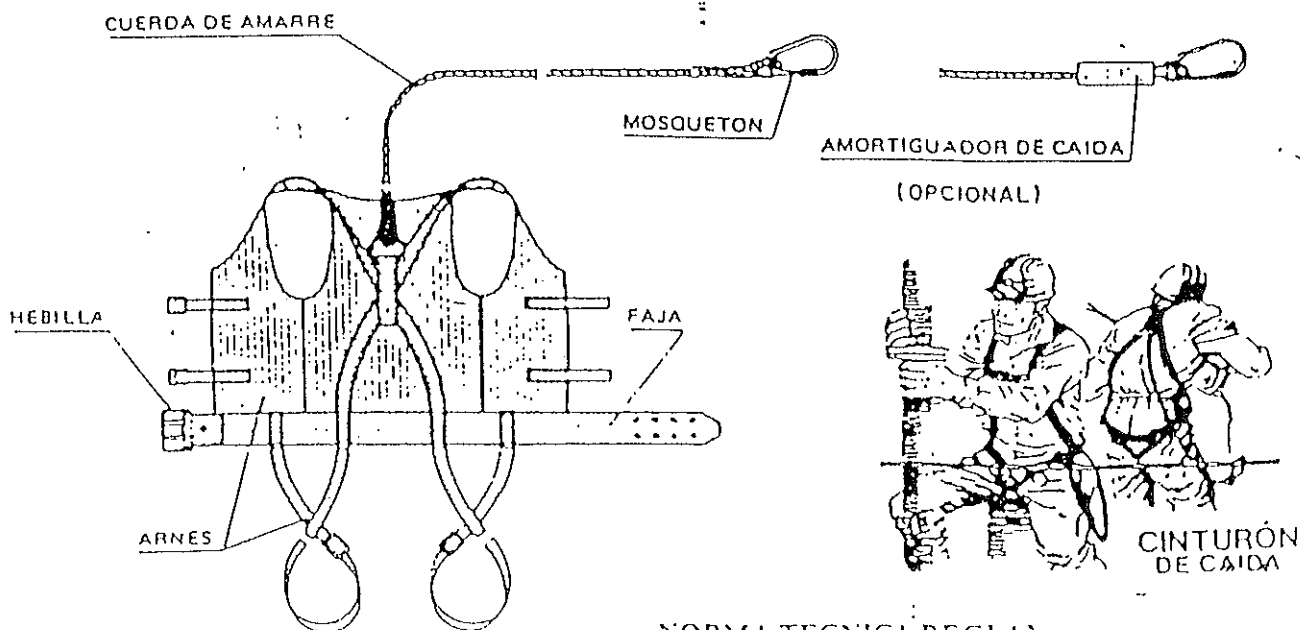
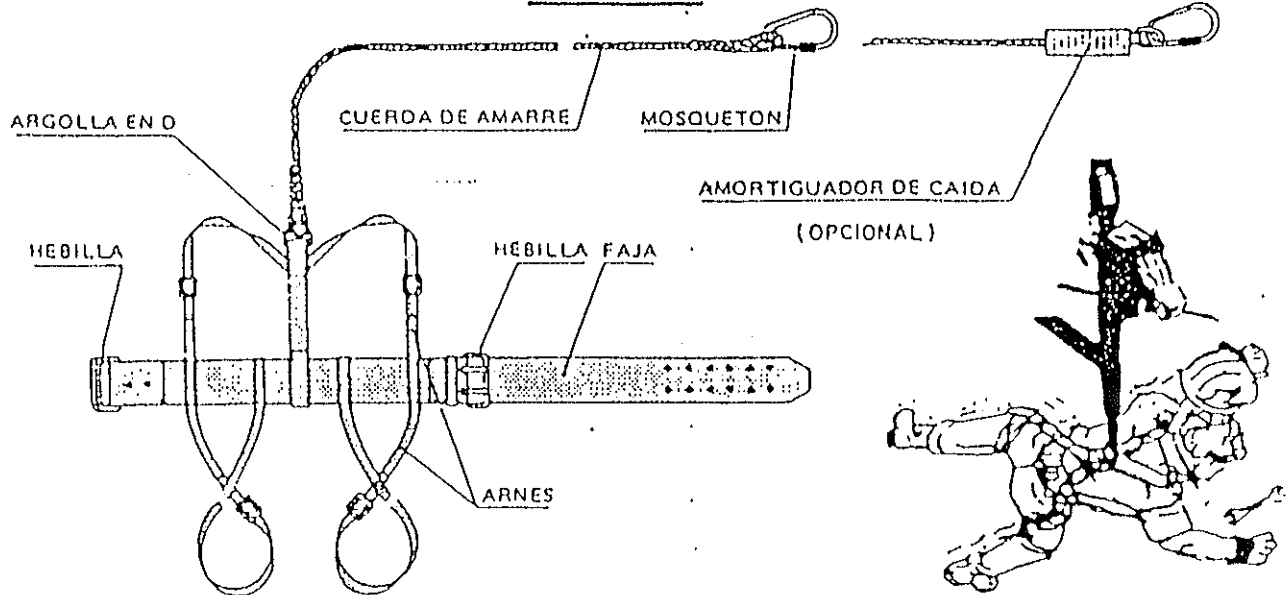
NORMA TECNICA REGLA

CINTURON DE SEGURIDAD - Clase "C" DE CAIDA

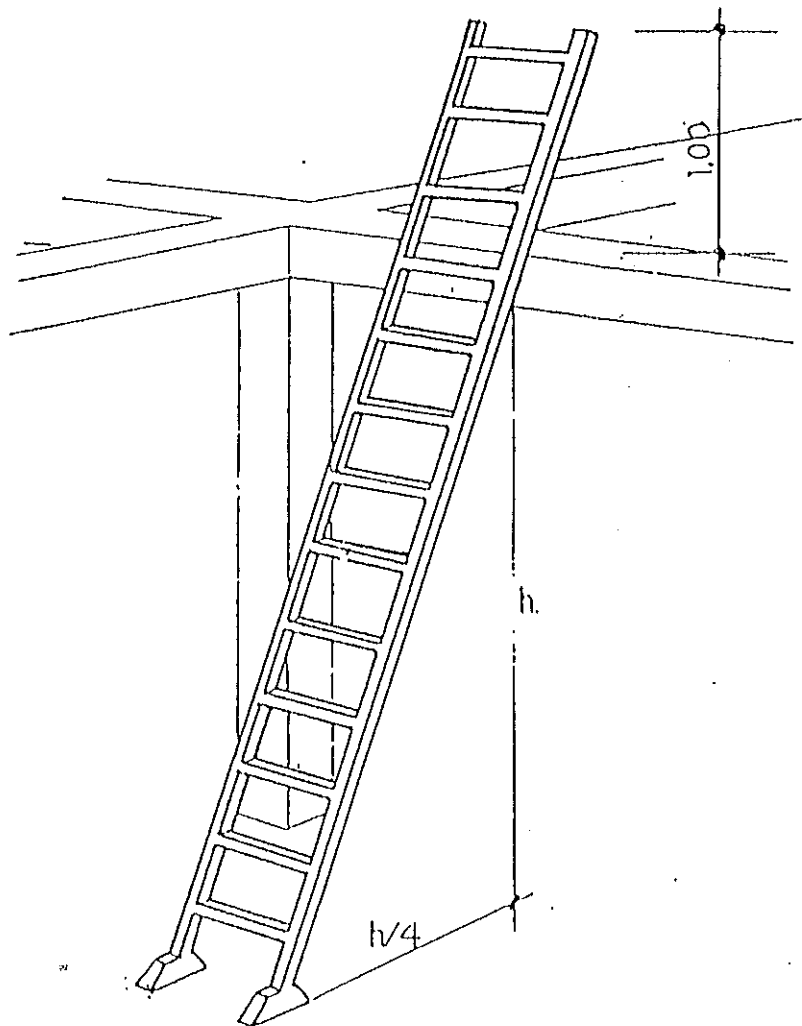
TIPO 1



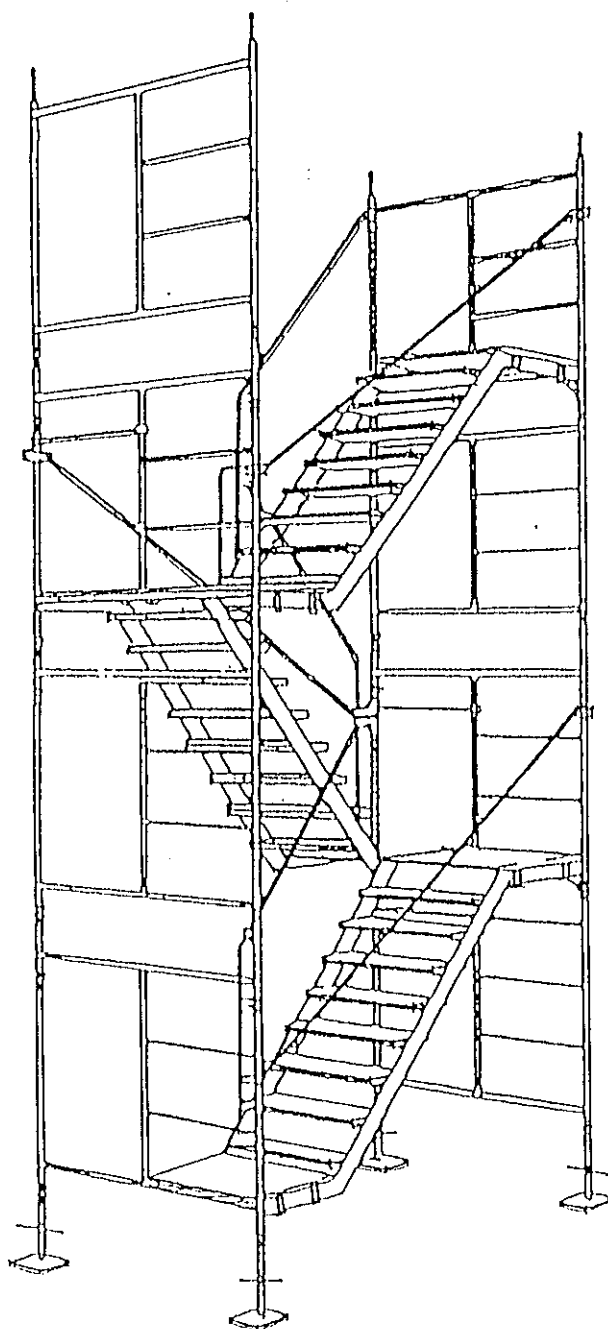
TIPO 2



NORMA TECNICA REGLAN

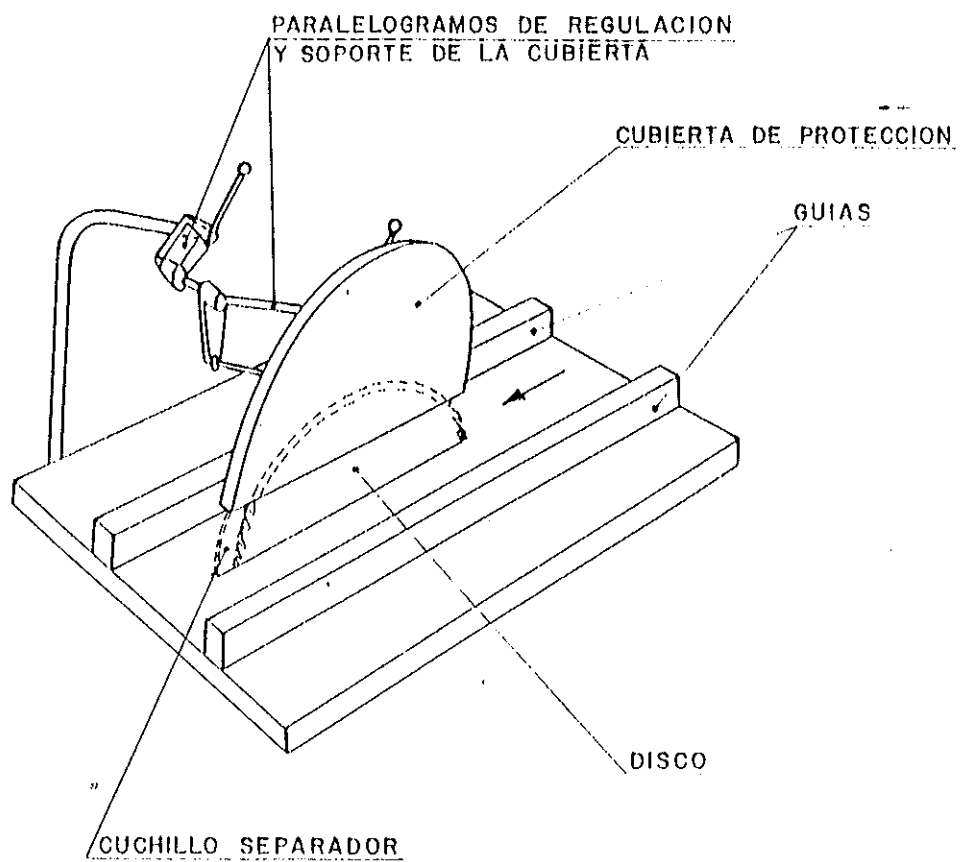


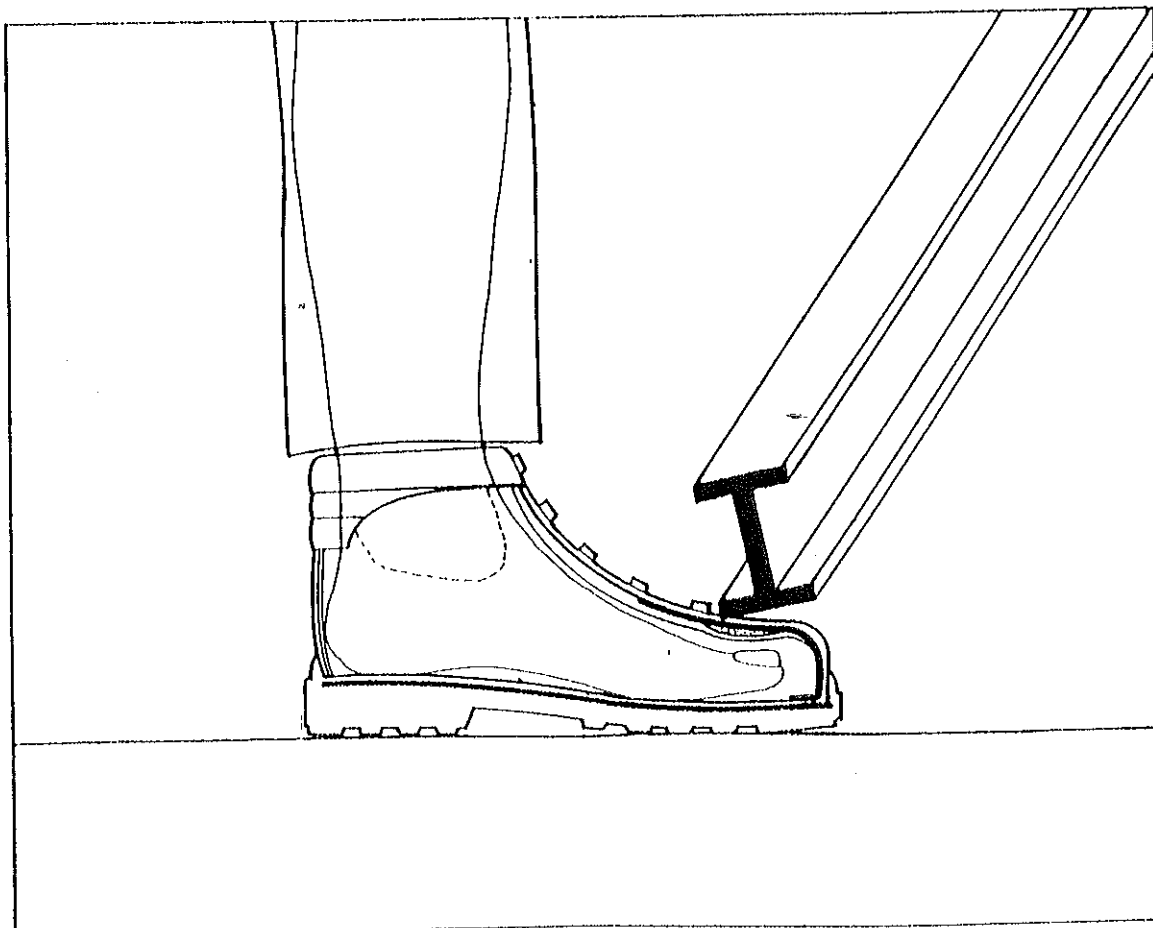
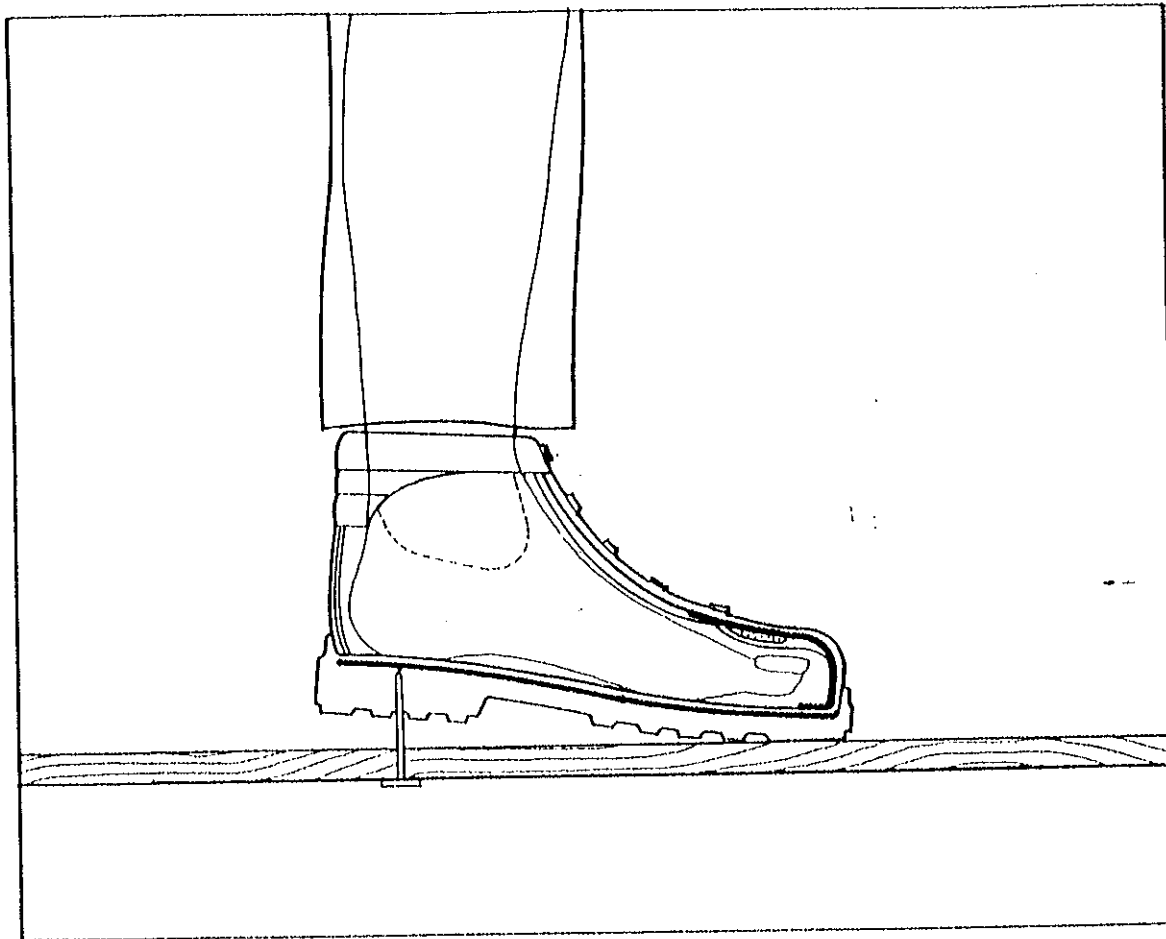
Posición correcta de escalera de mano.



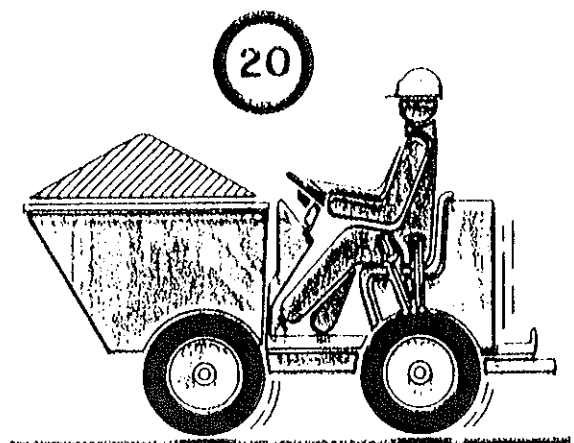
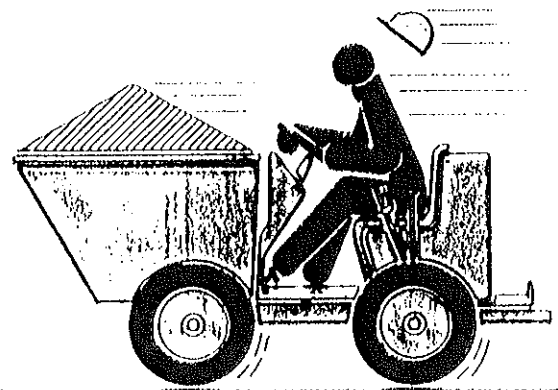
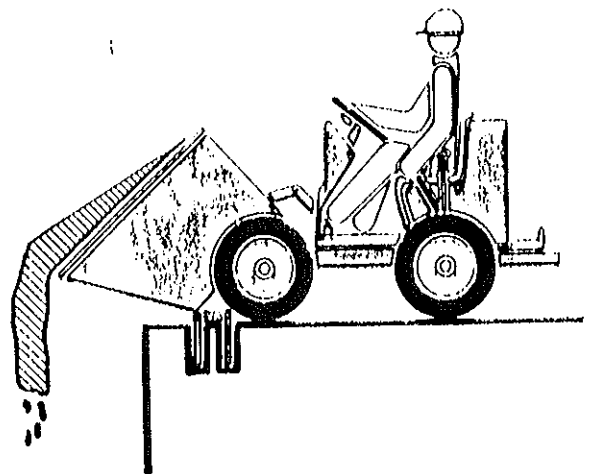
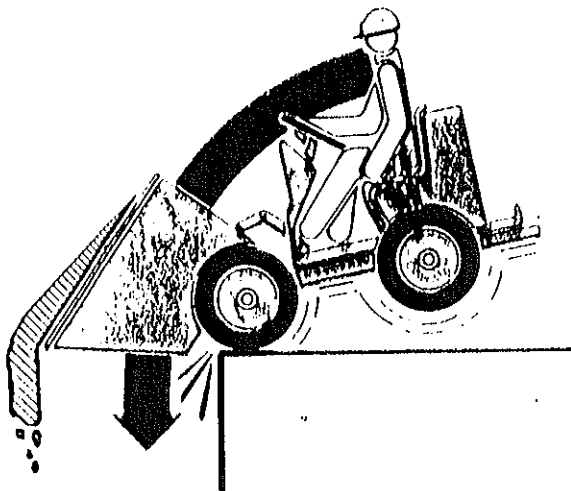
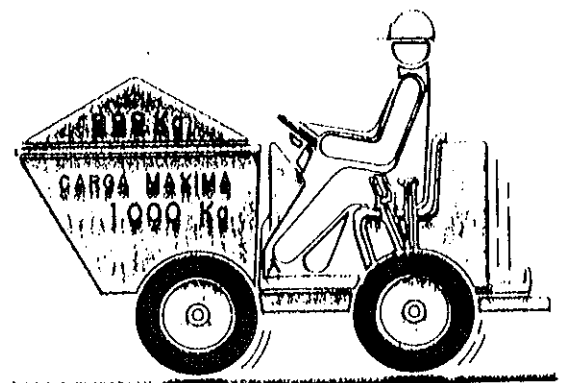
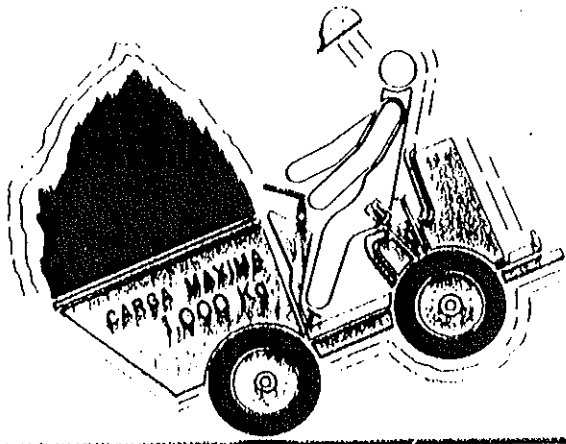
Escalera provisional.

PROTECCION SIERRA CIRCULAR





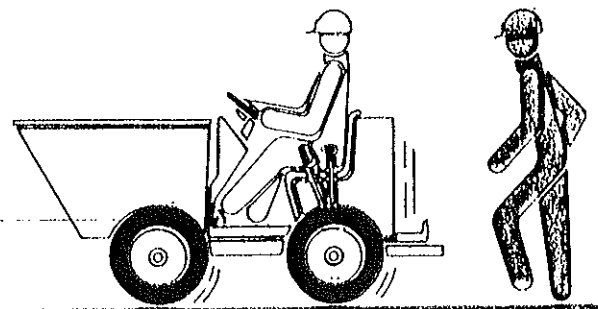
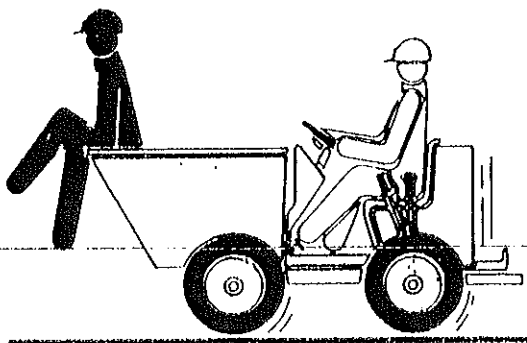
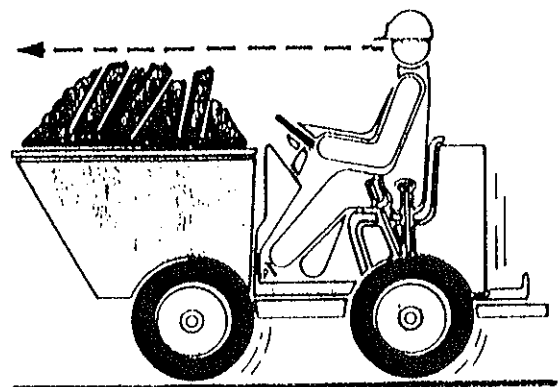
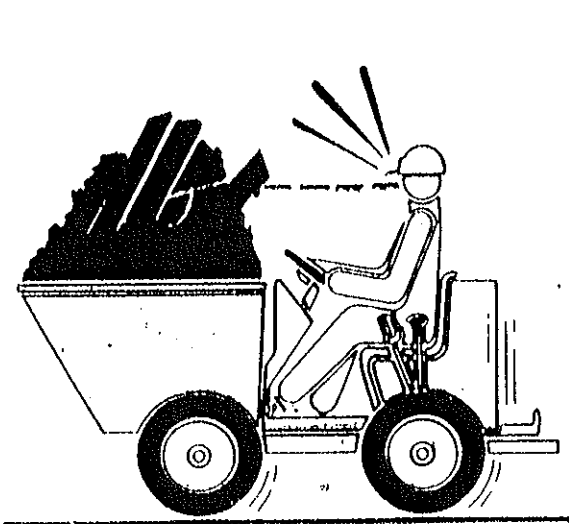
DUMPER



NO

SI

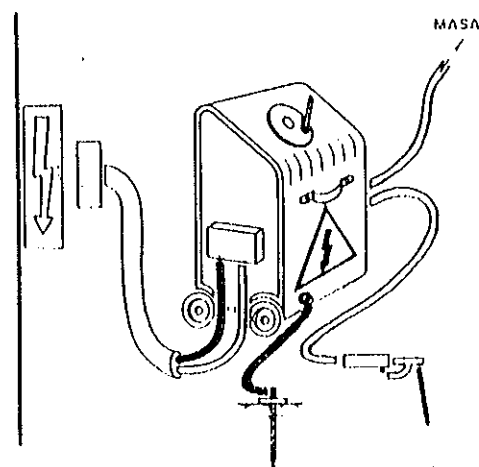
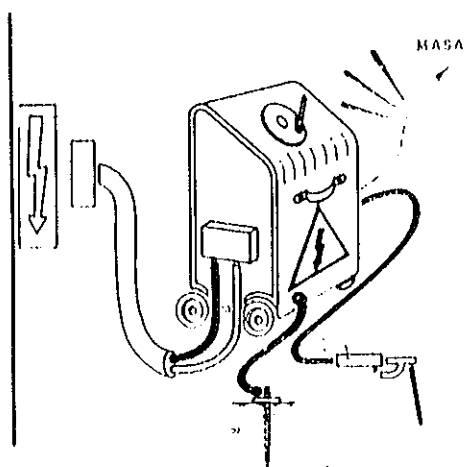
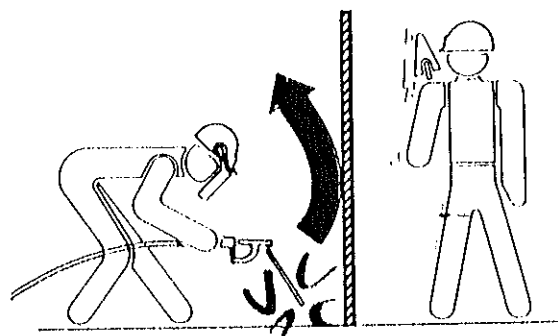
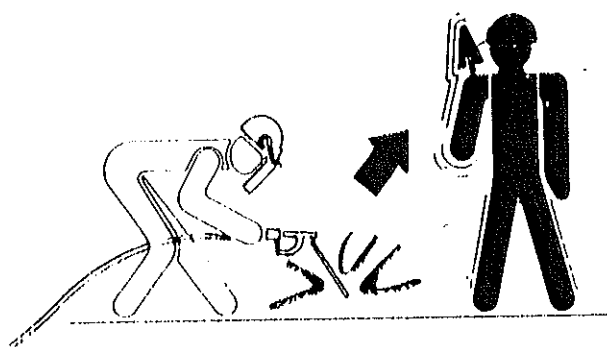
DUMPER



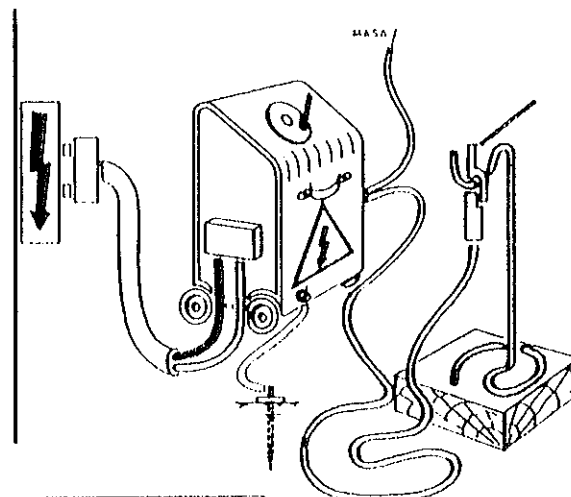
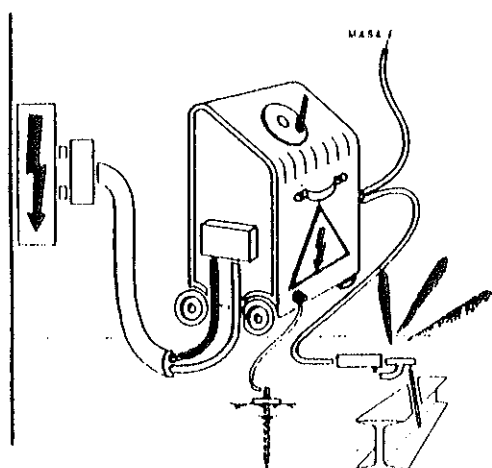
NO

SI

SOLDADURA ELECTRICA



CABLES IGUAL SECCION

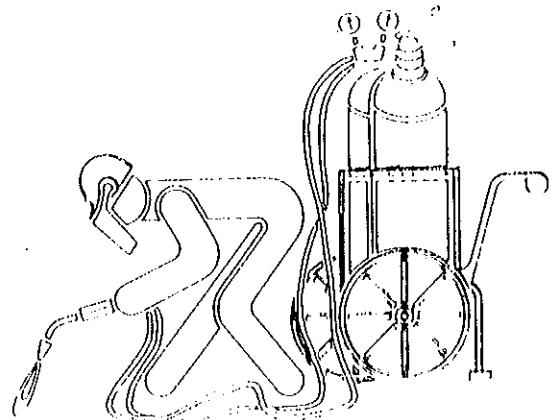
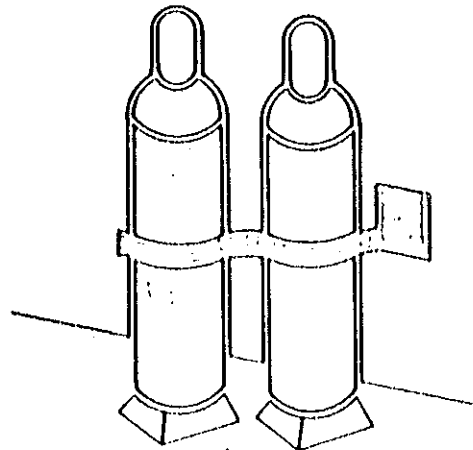
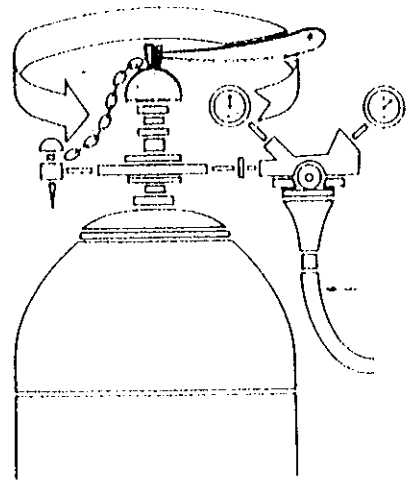
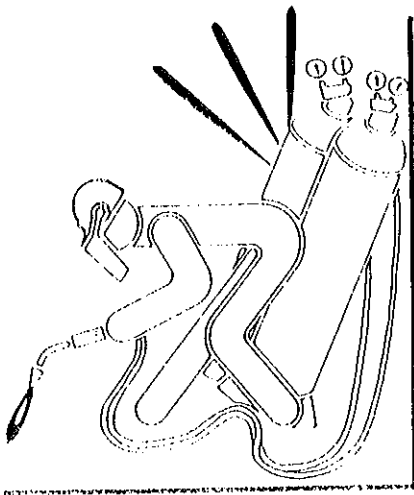
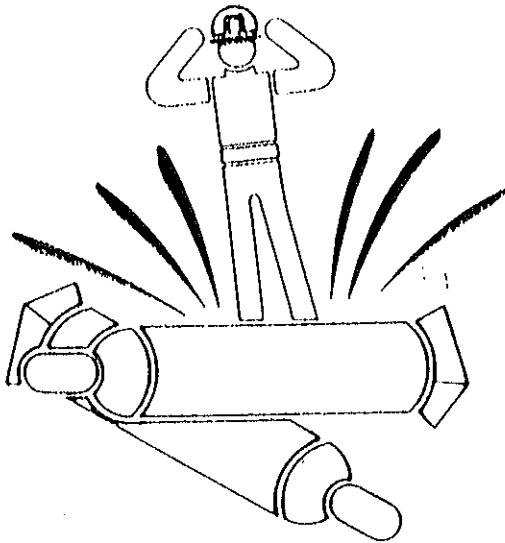
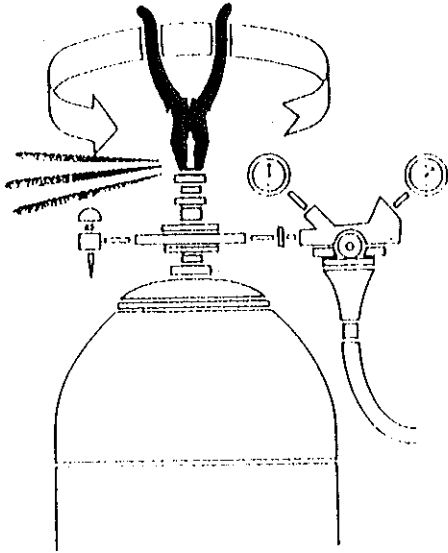


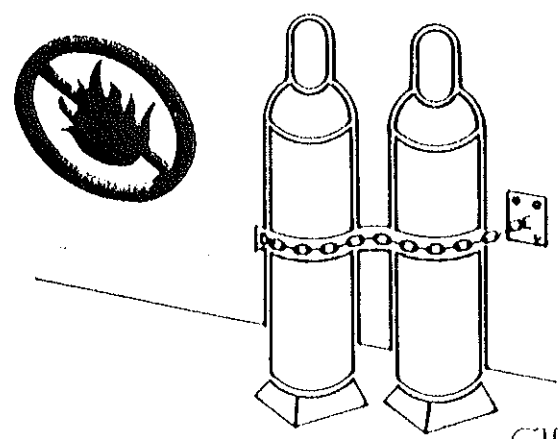
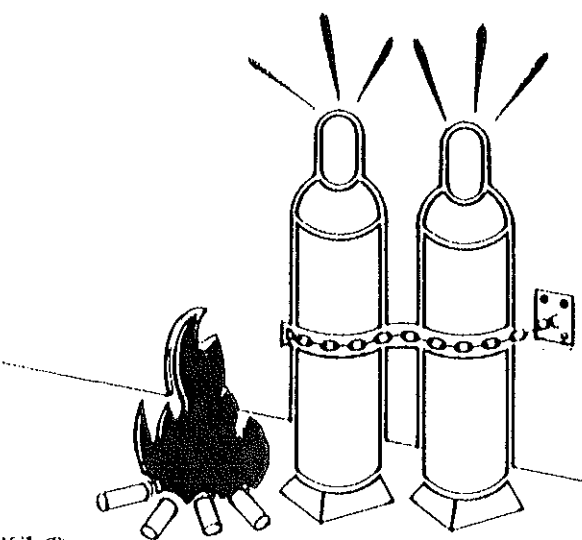
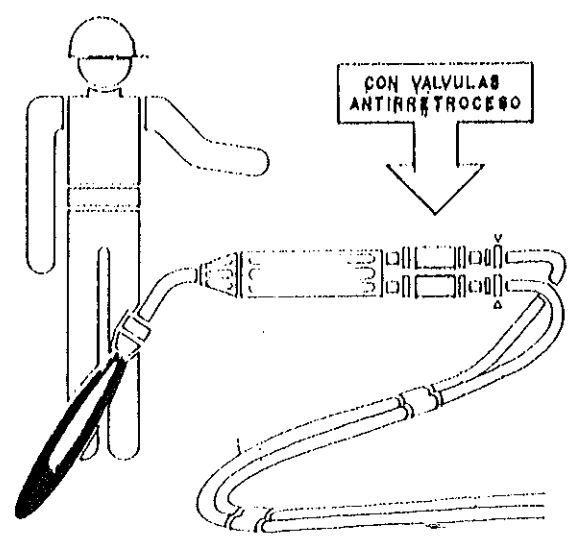
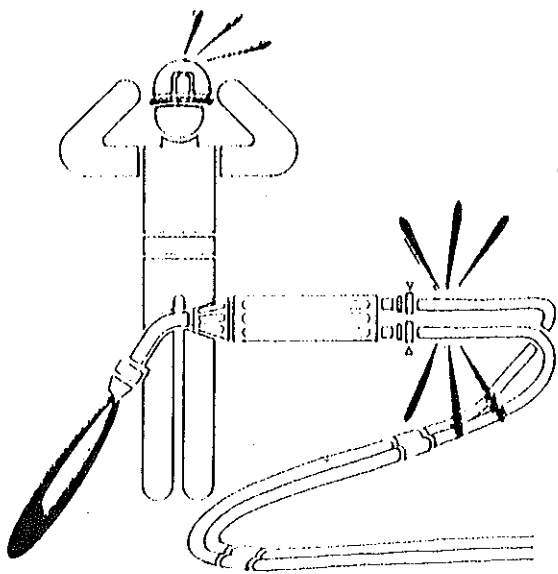
APOYO AISLANTE

NO

SI

SOLDADURA OXIACETILENICA

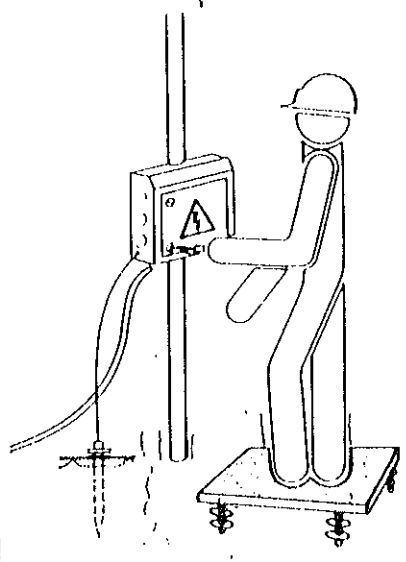
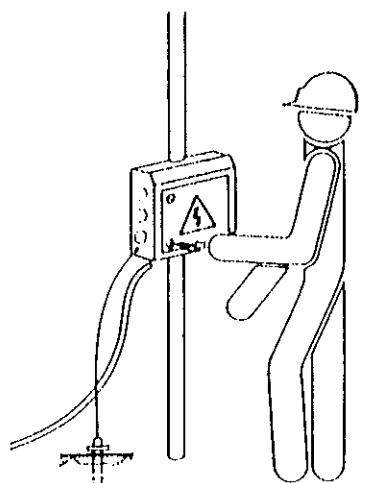
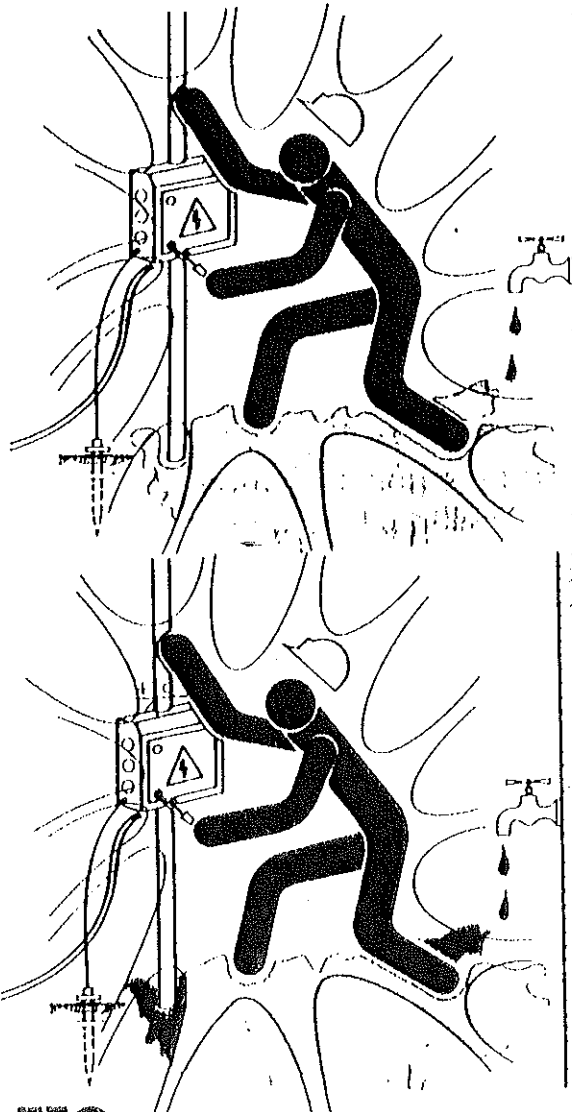
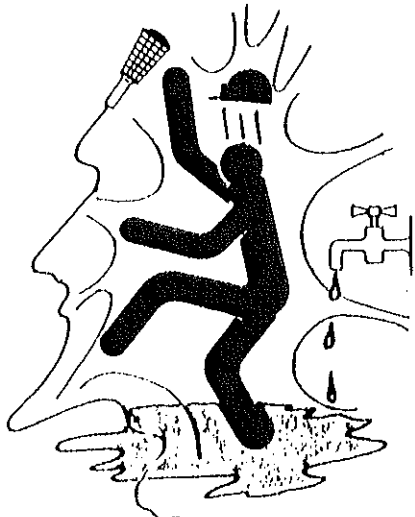




NO

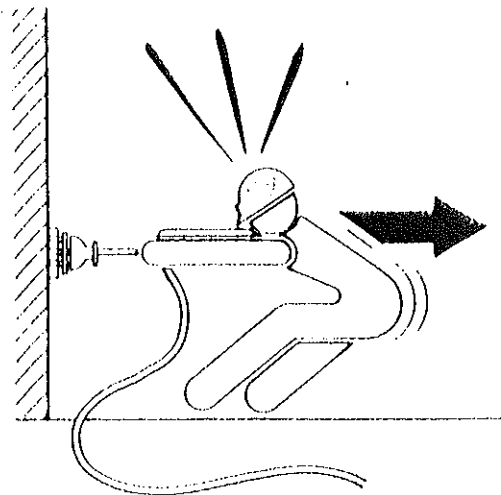
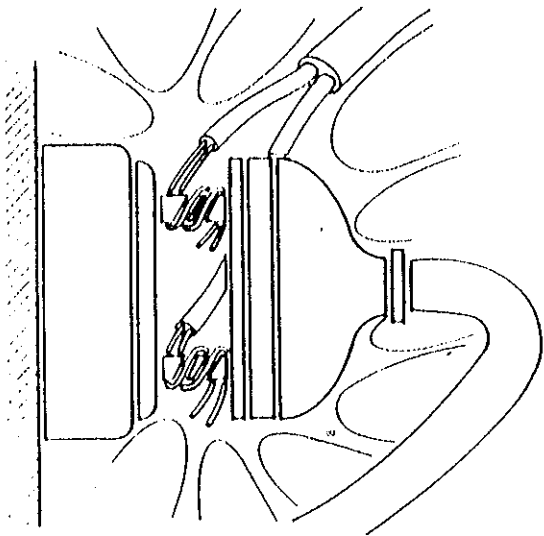
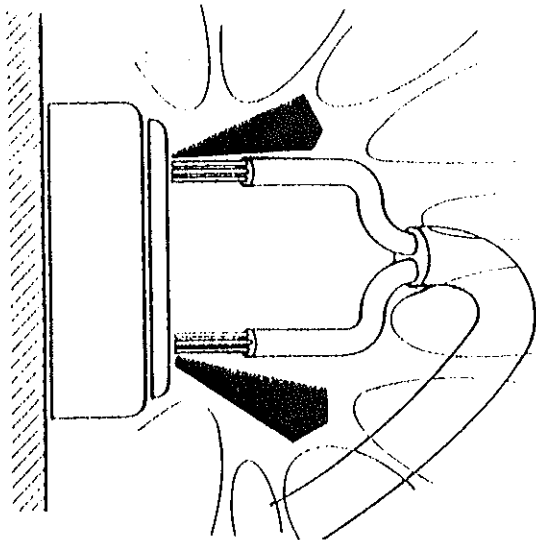
SI

ELECTRICIDAD

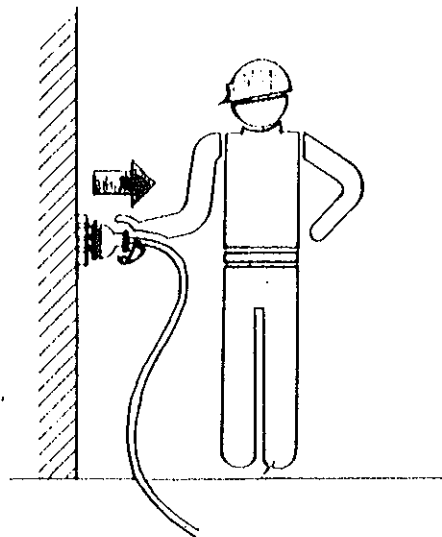
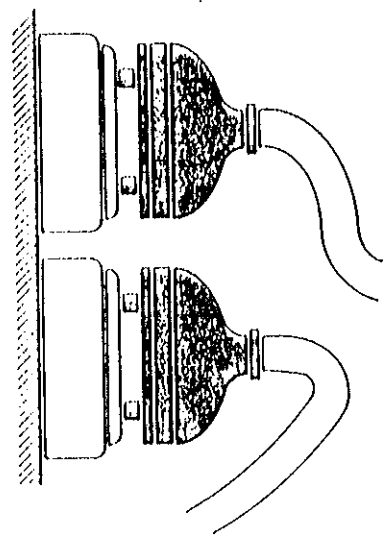
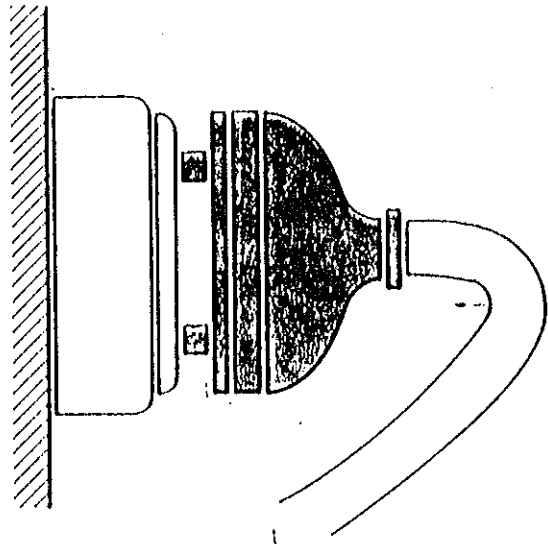


NO

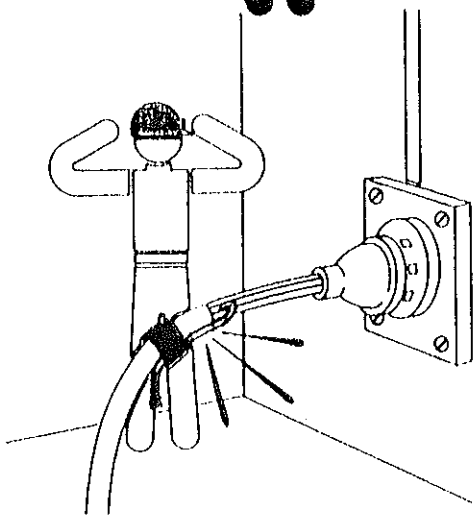
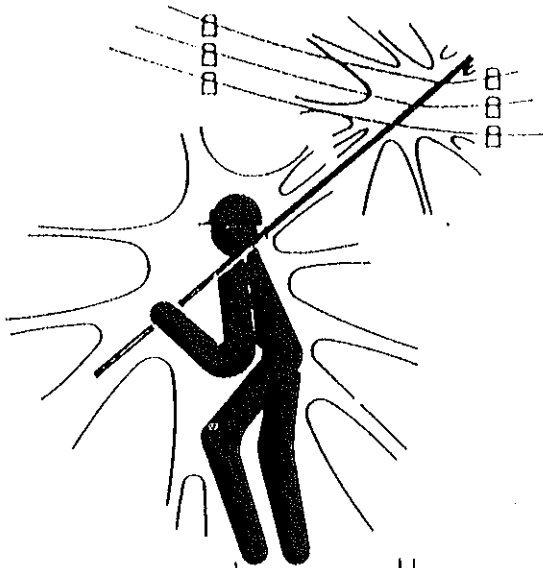
SI



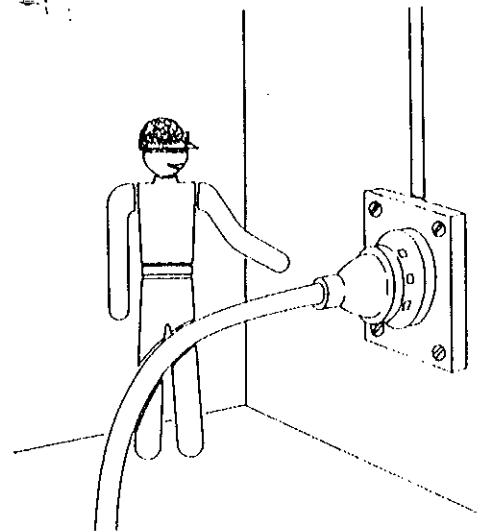
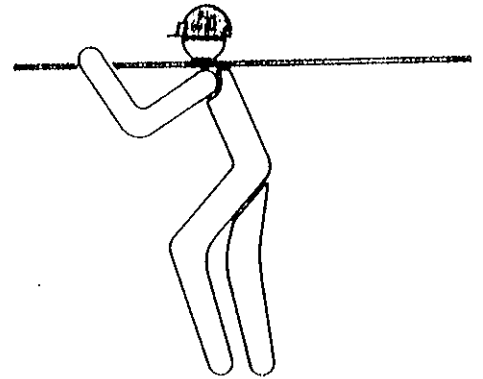
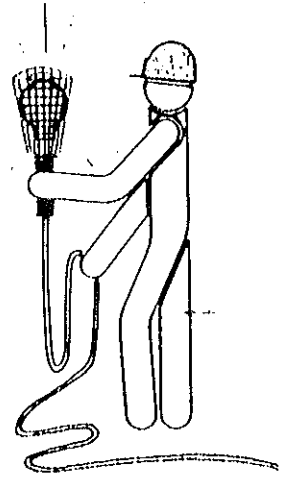
NO



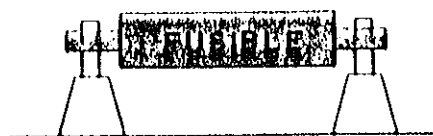
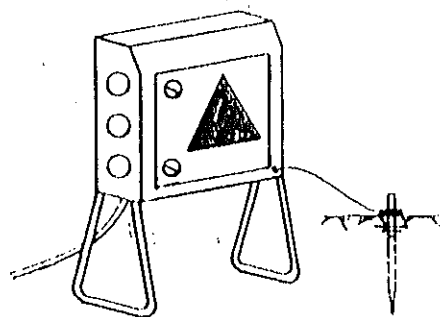
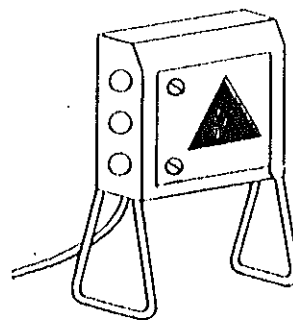
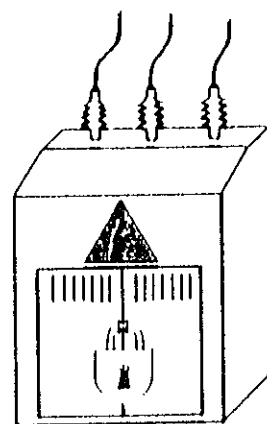
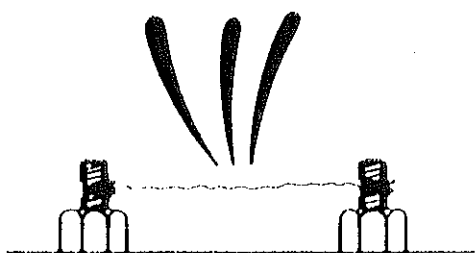
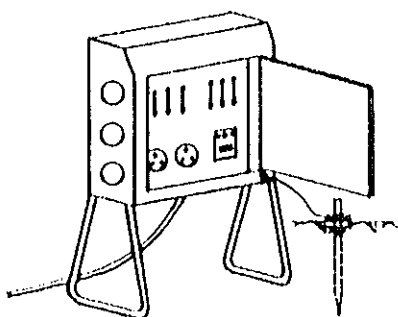
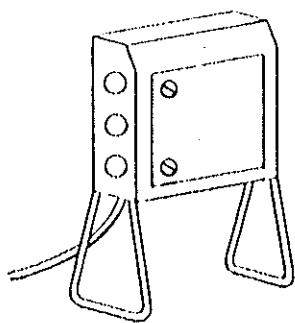
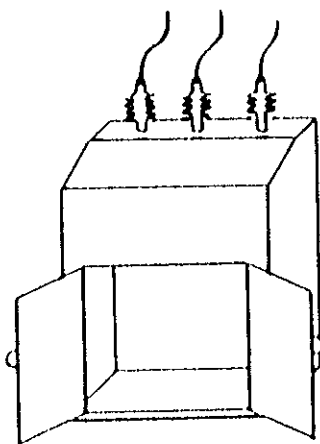
SI



NO

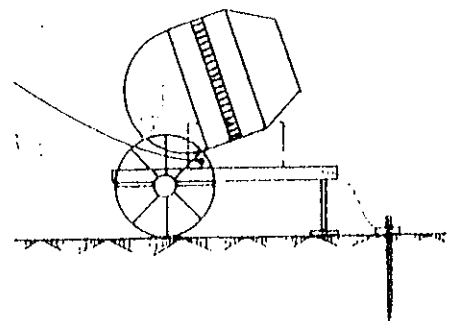
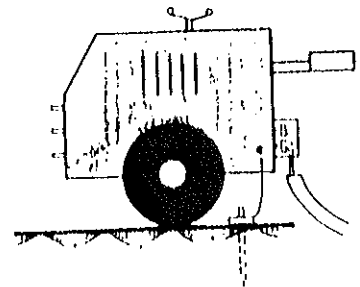
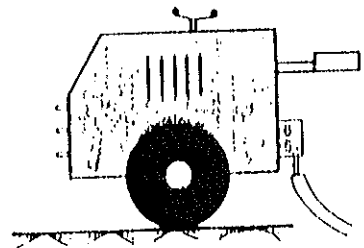
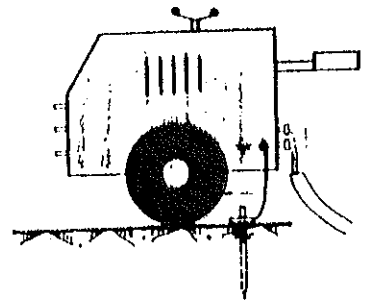
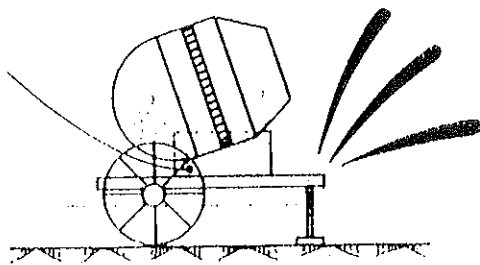
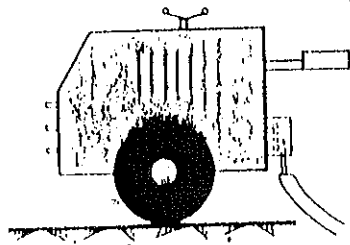
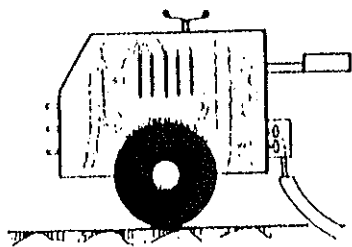
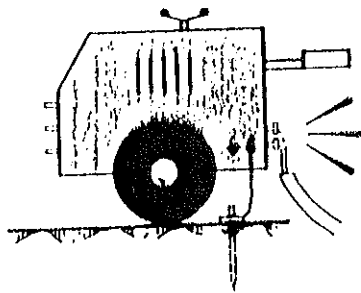


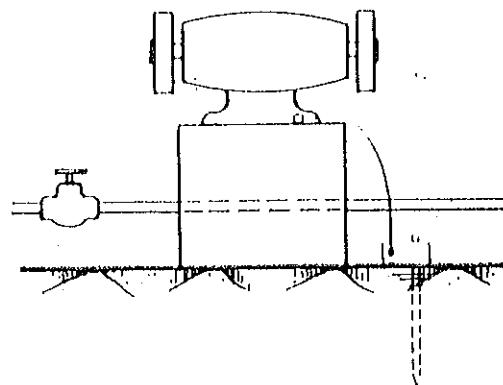
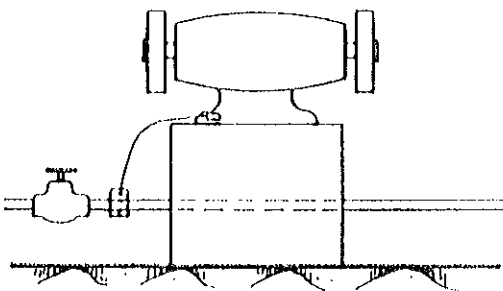
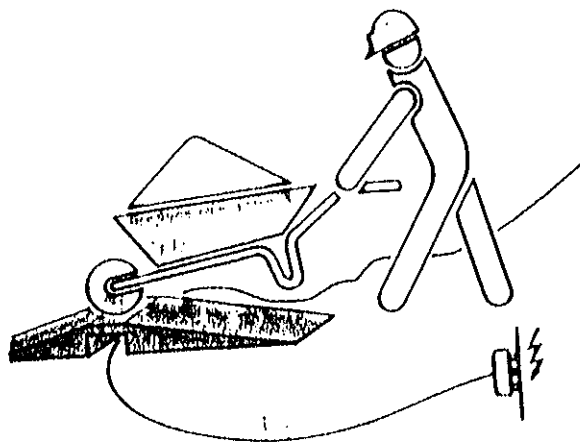
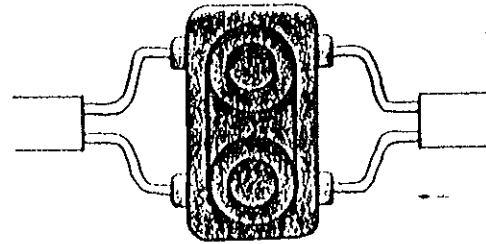
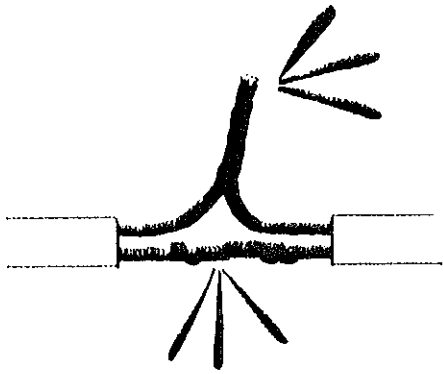
SI



NO

SI

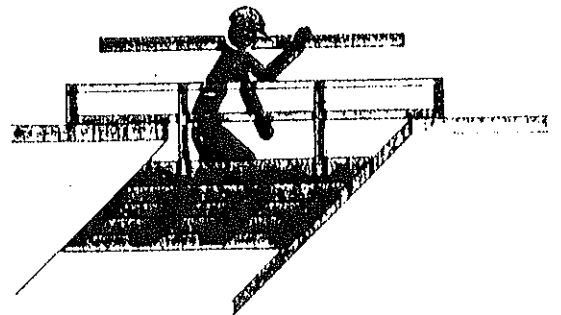
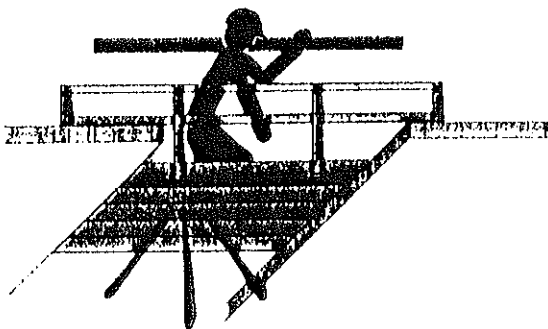
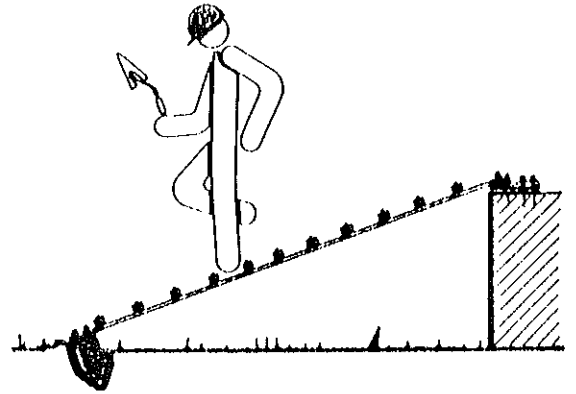
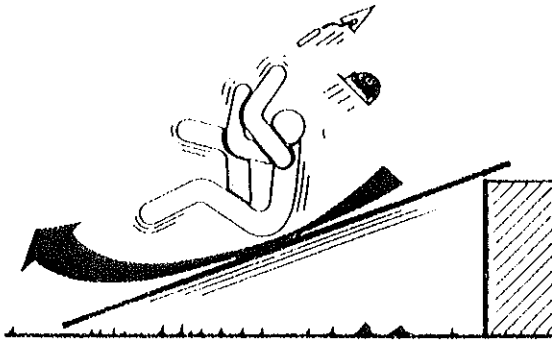
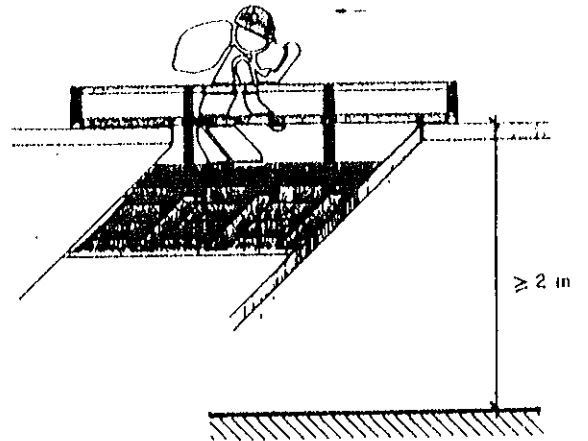
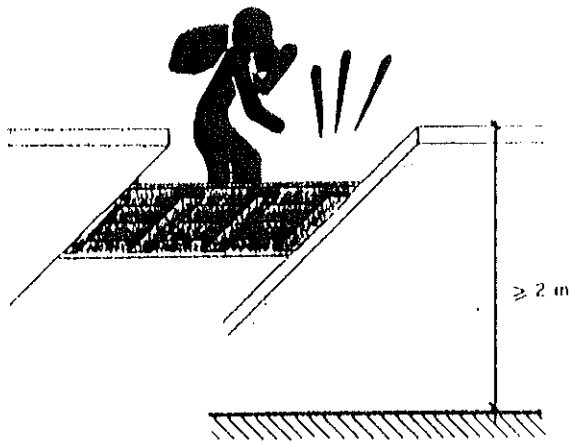
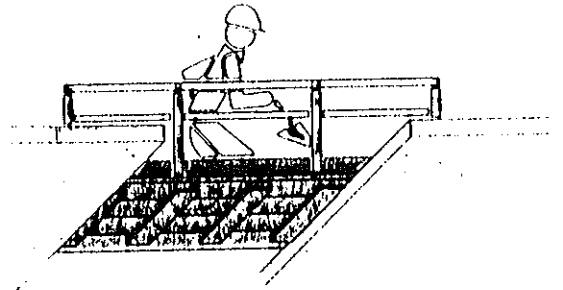
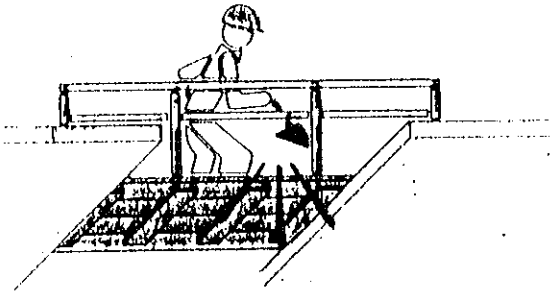




NO

SI

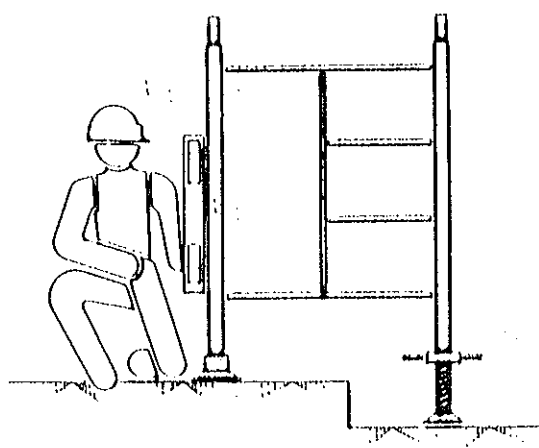
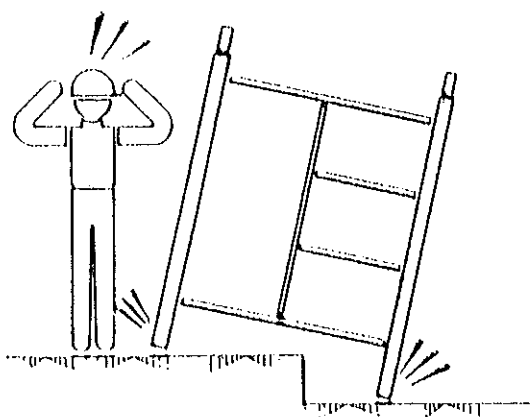
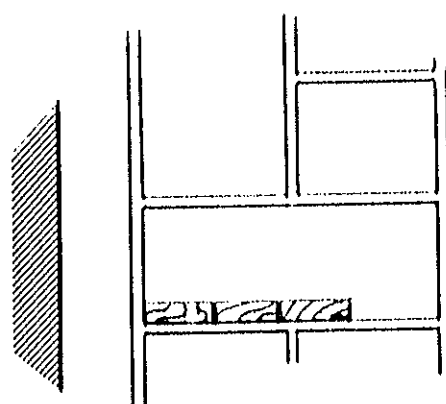
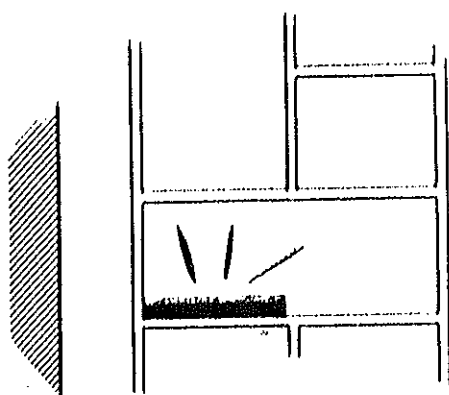
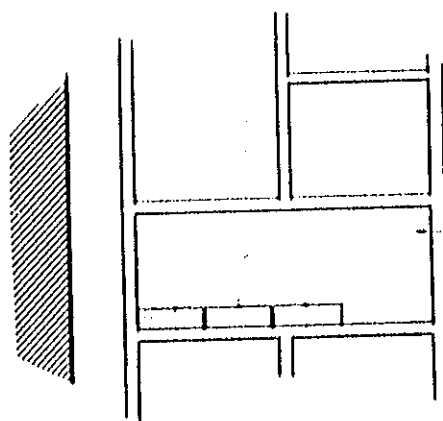
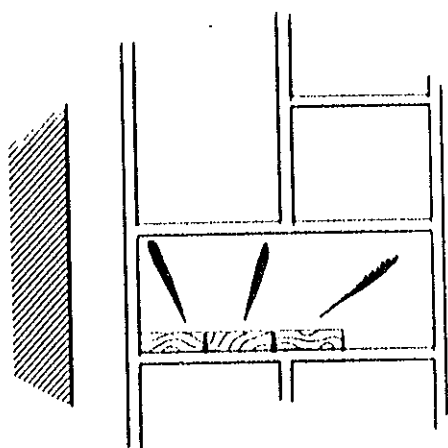
PASARELAS



NO

SI

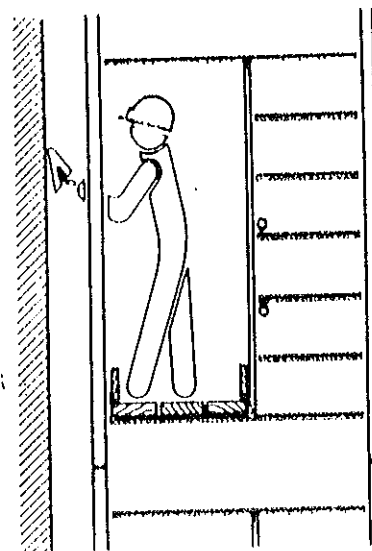
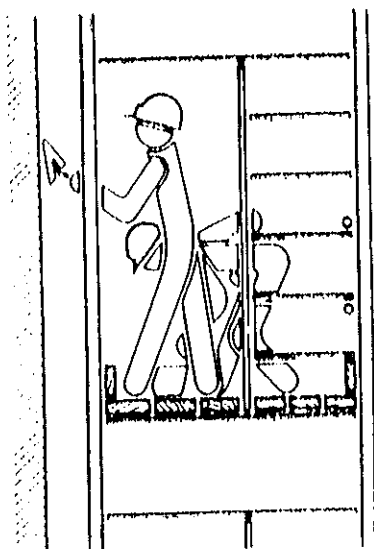
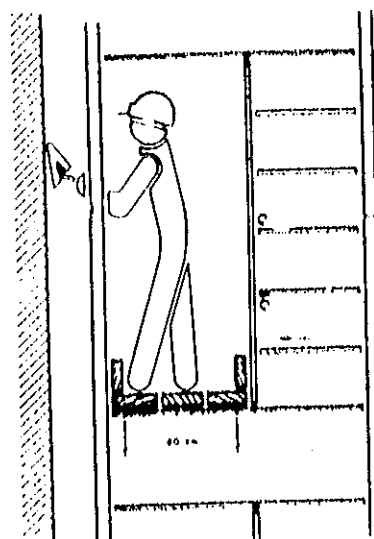
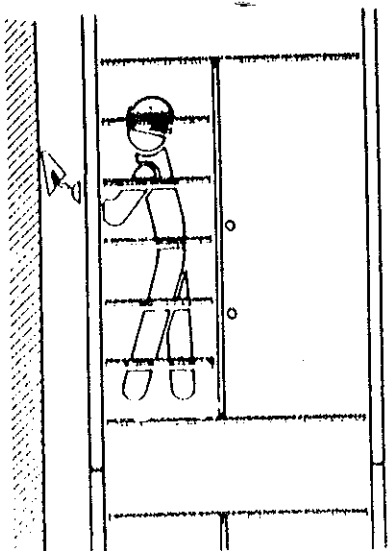
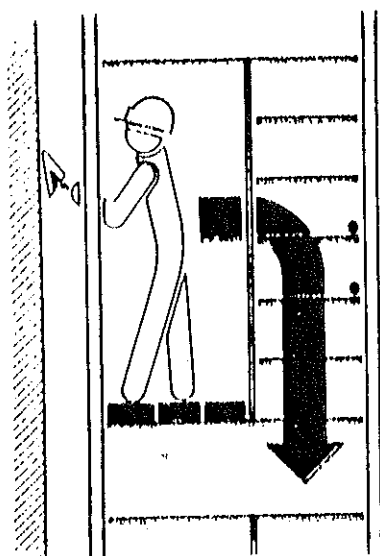
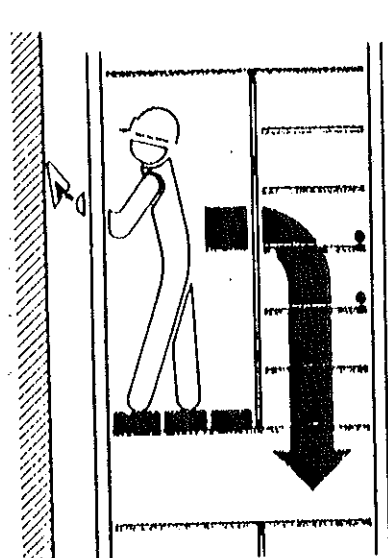
ANDAMIOS TUBULARES



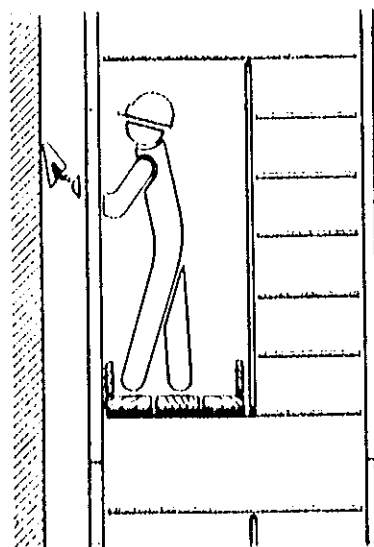
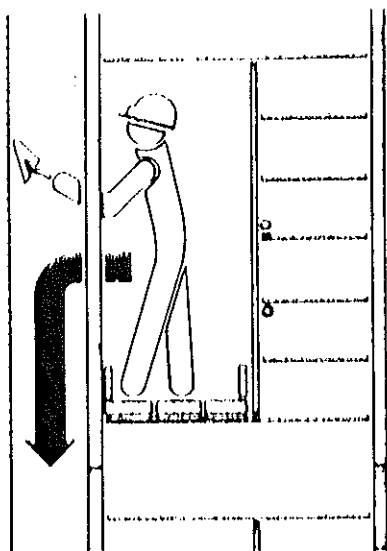
NO

SI

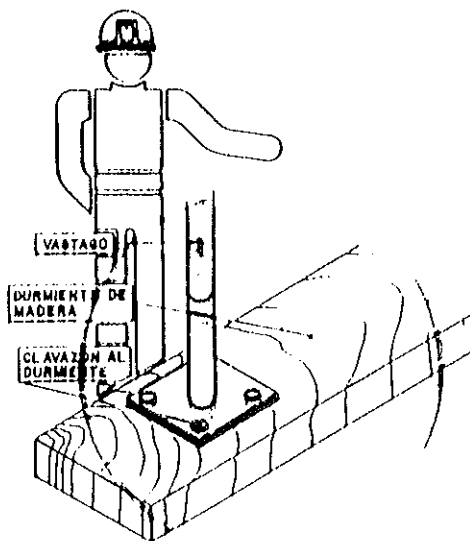
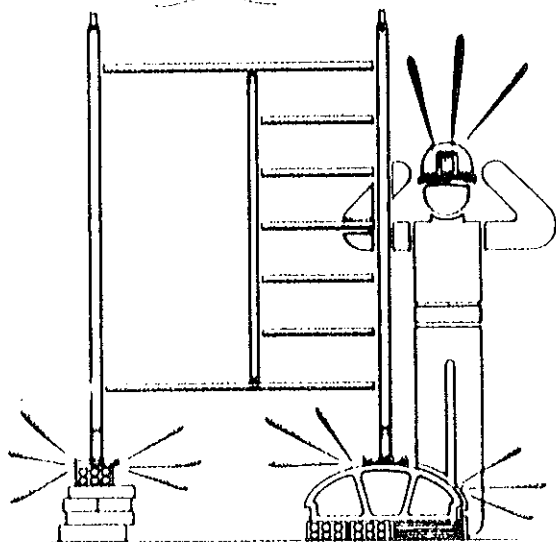
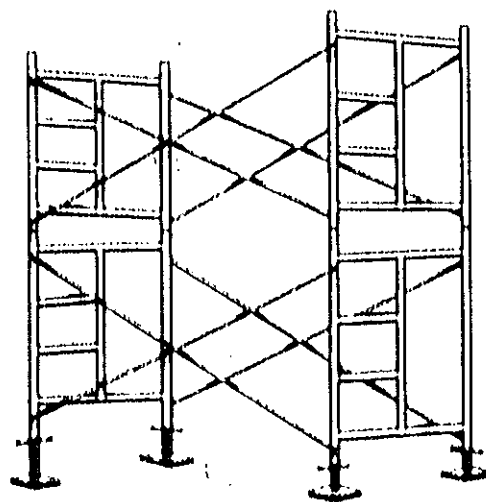
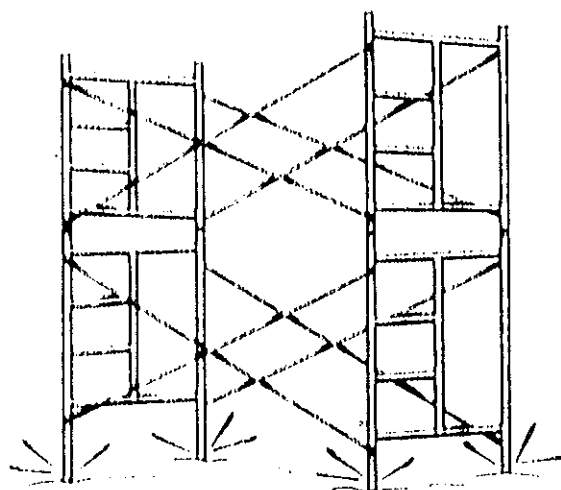
NO



SH

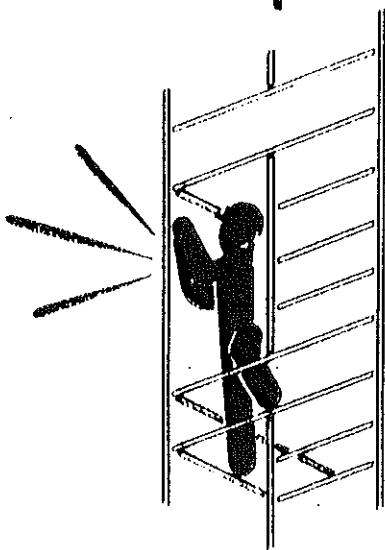
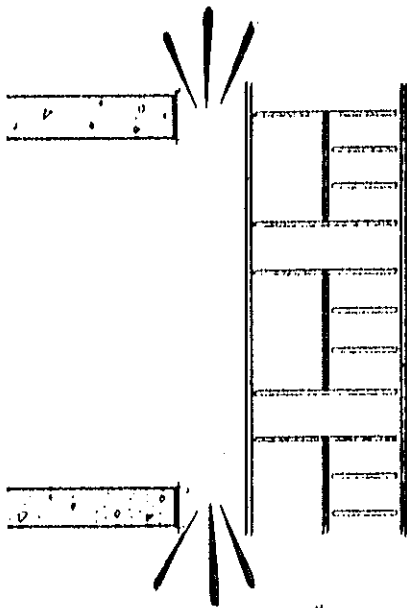


DISTANCIA AL
PARAMENTO
IGUAL O MENOR
A 30 cm

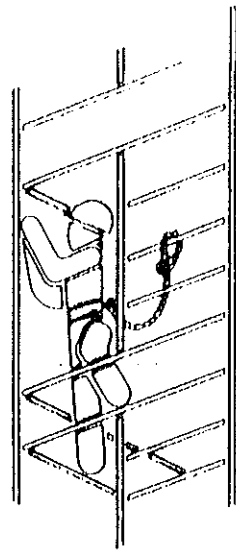
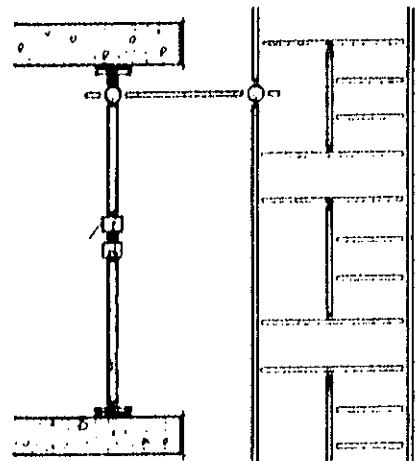


NO

SI

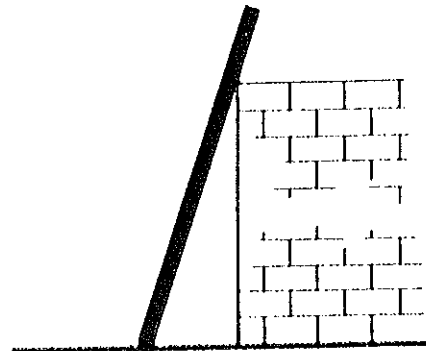
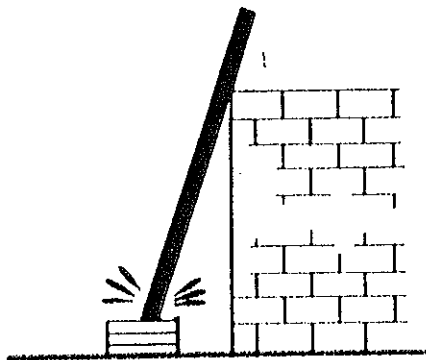
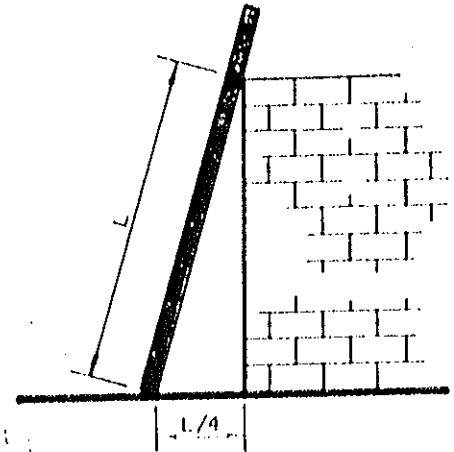
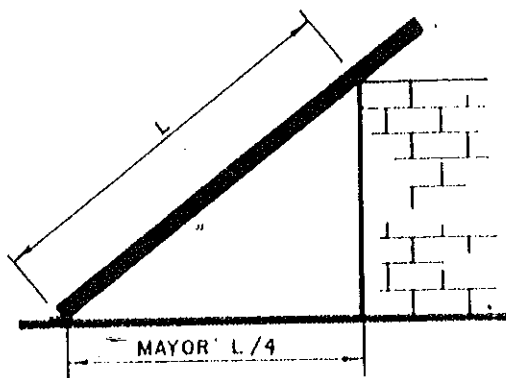
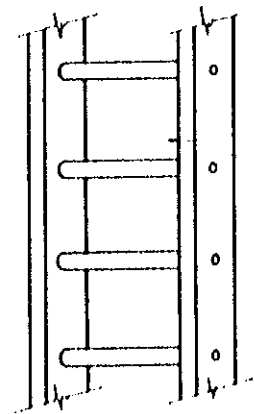
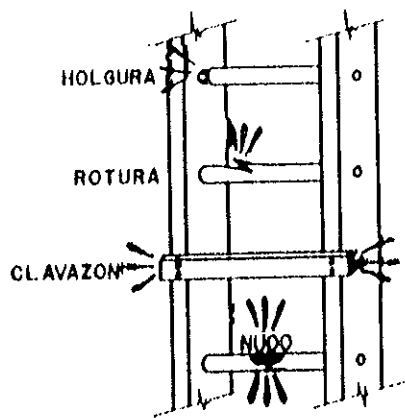


NO



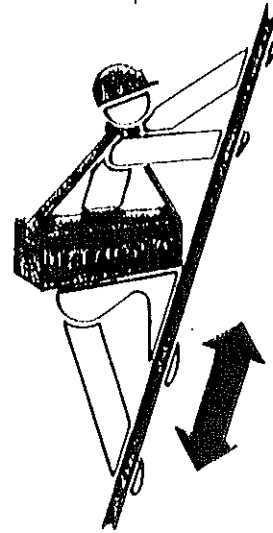
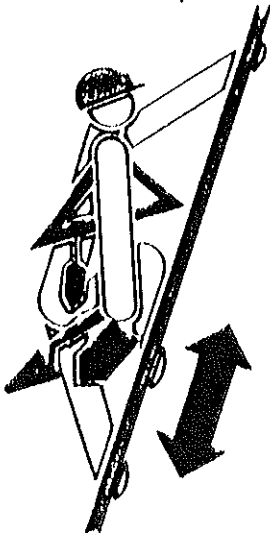
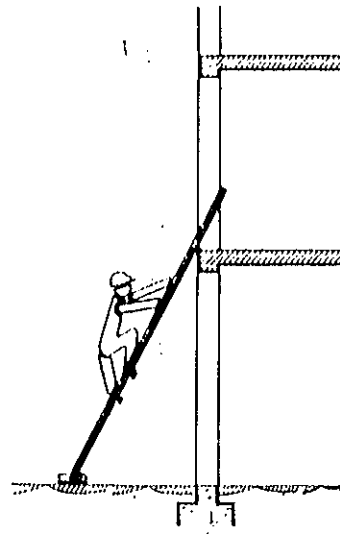
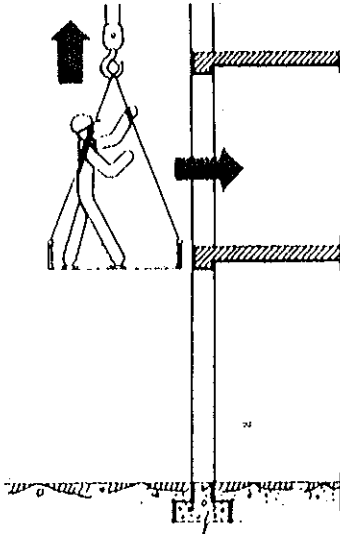
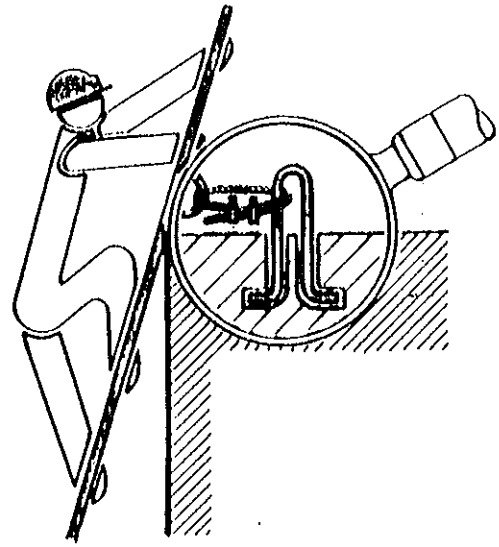
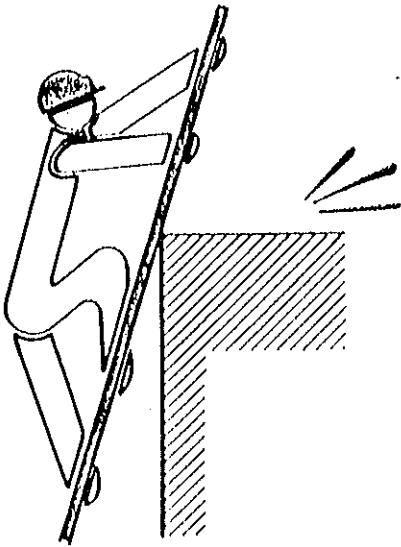
SI

ESCALERAS DE MANO



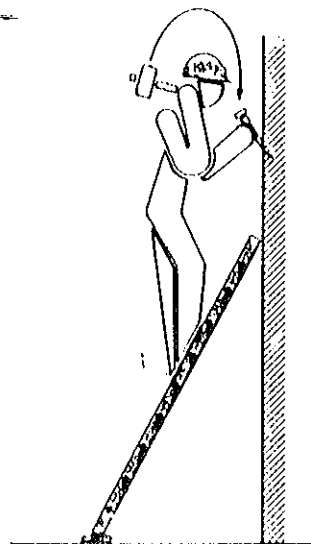
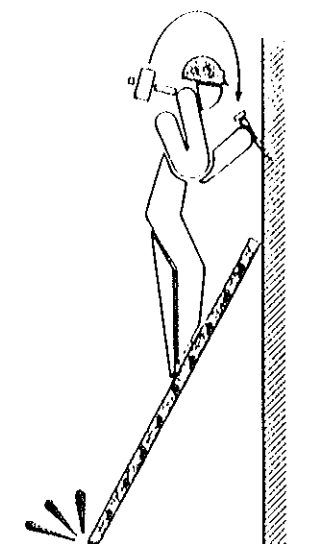
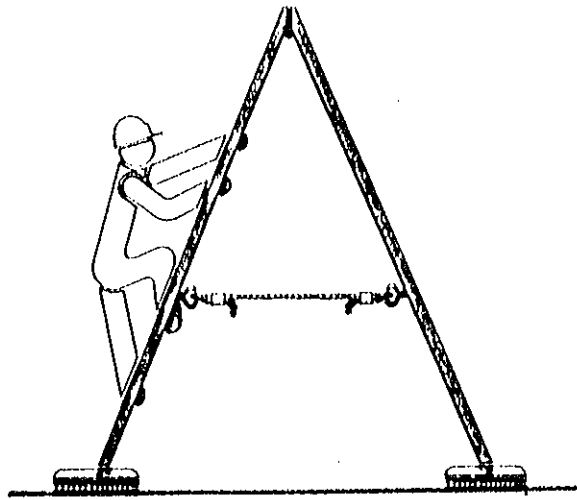
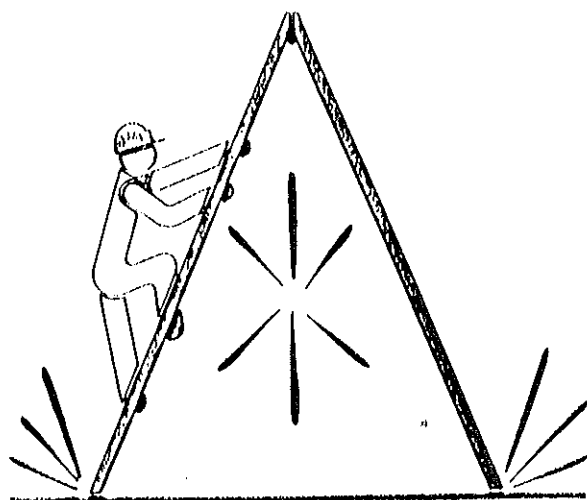
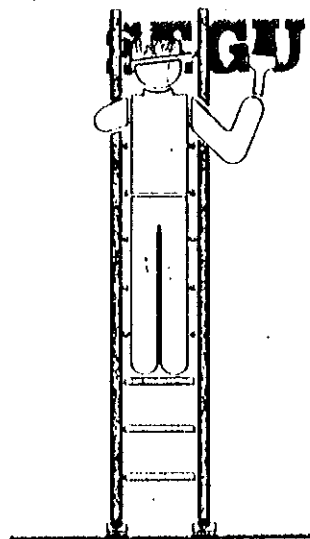
NO

SI



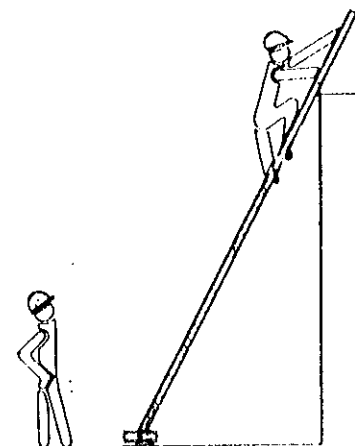
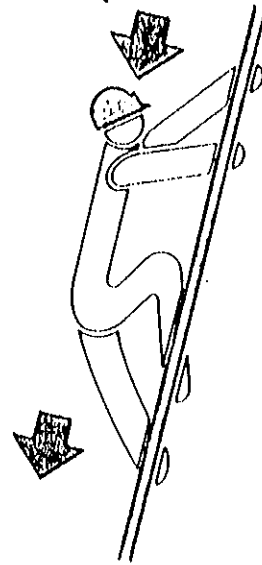
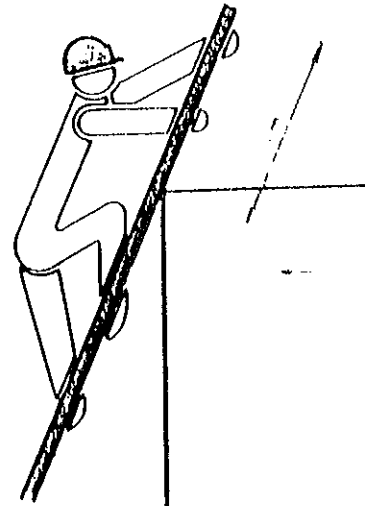
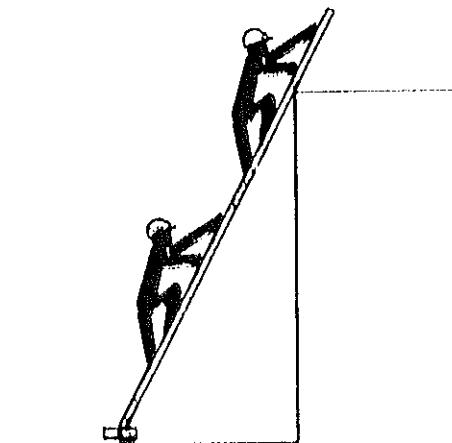
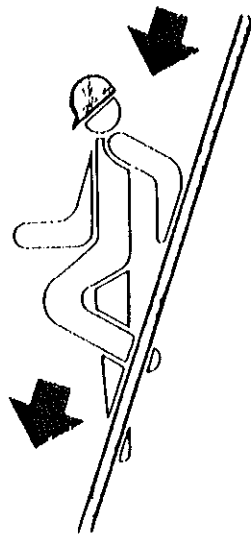
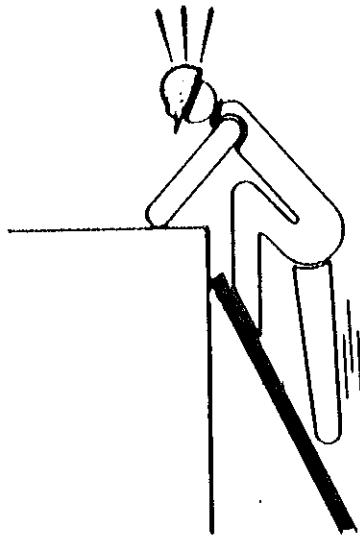
NO

SI



OK

SI



NO

SI