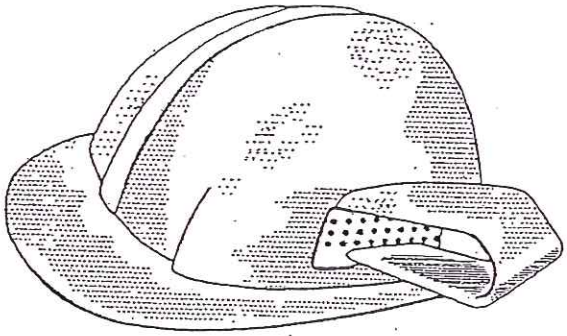
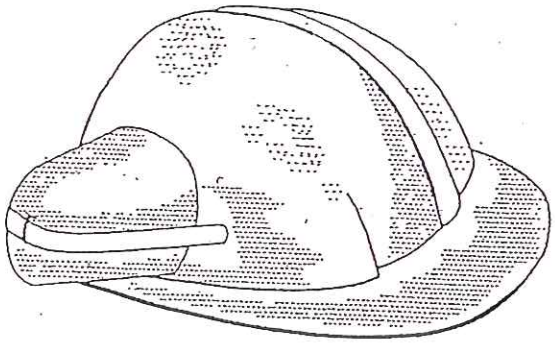
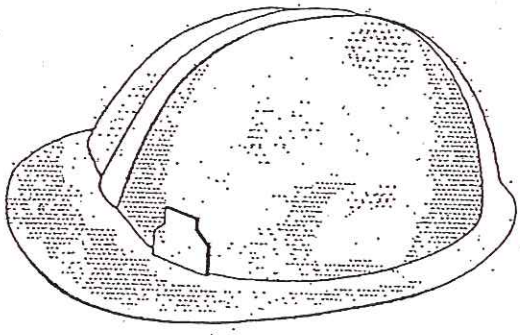


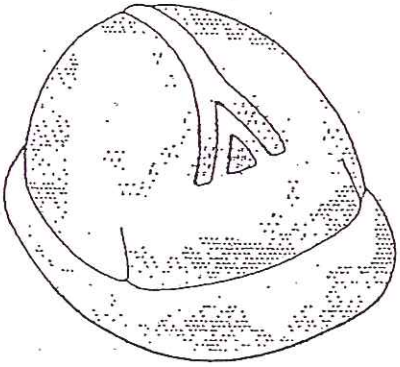
CASCO – PROTECTOR AURICULAR



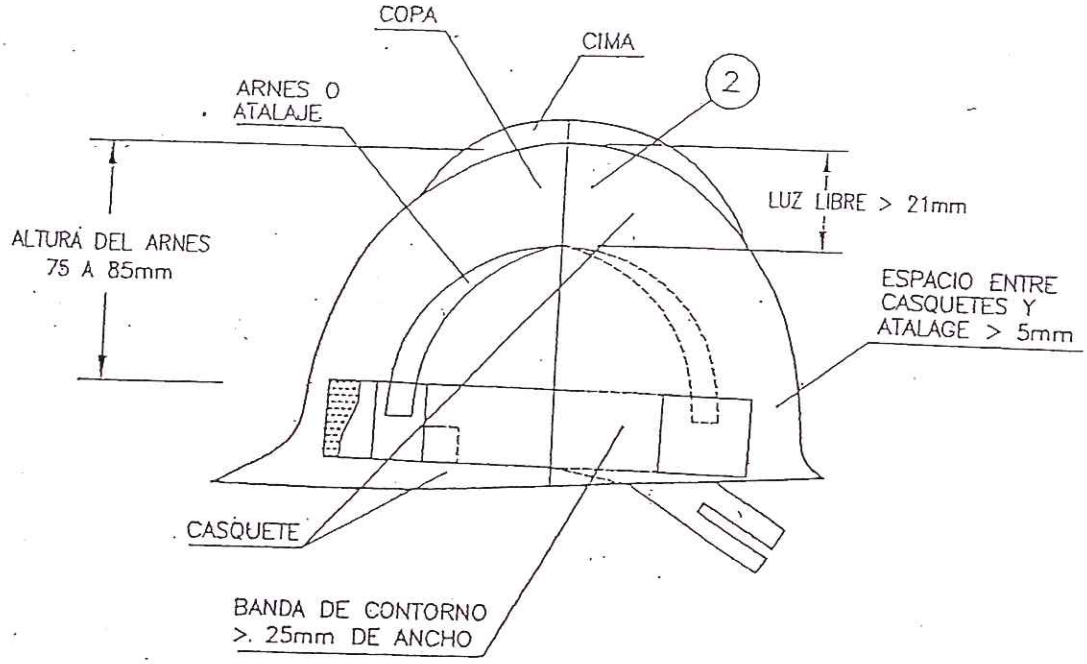
CASCO – PROTECTOR ANTIRRUIDO

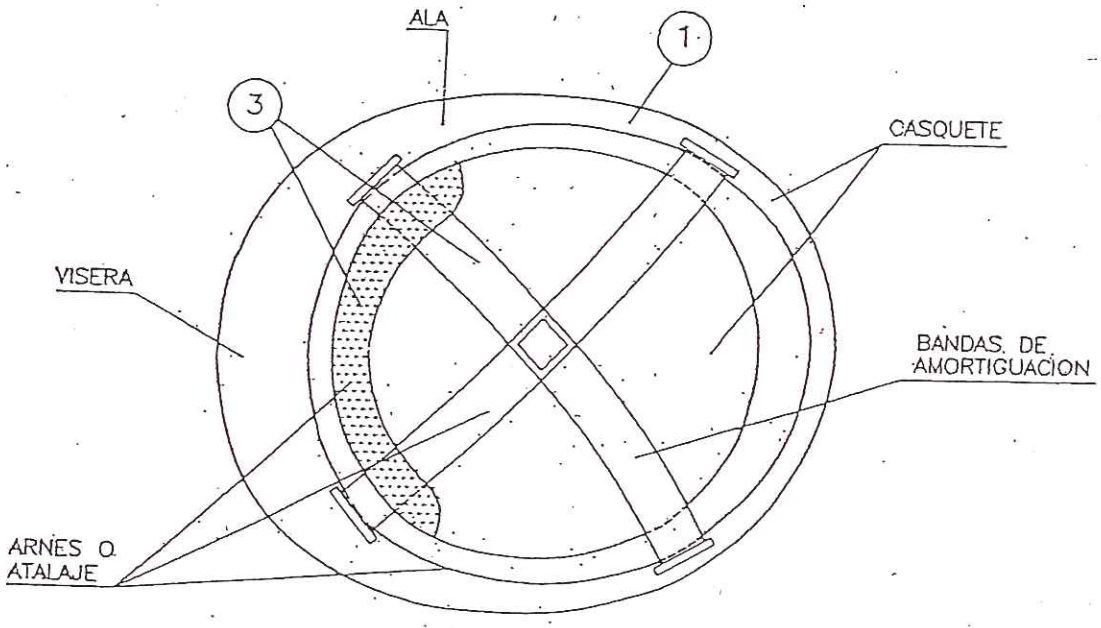


CASCO DE POLIPROPILENO



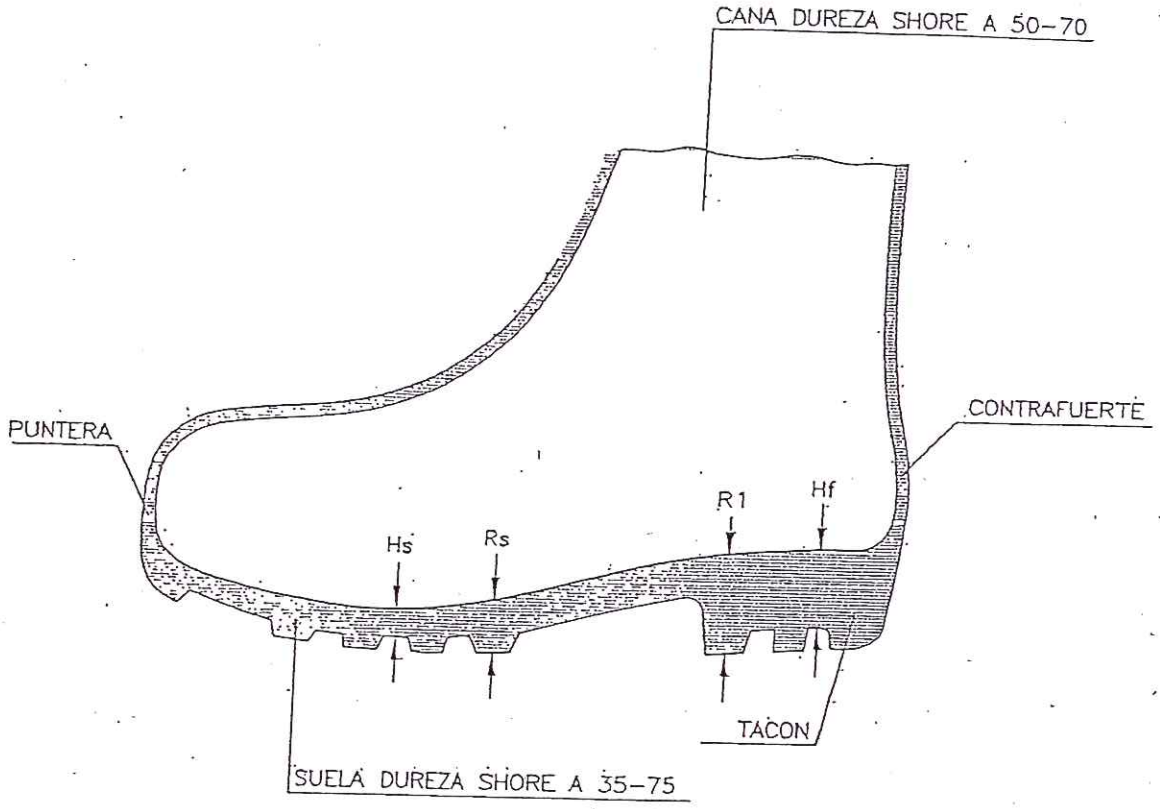
CASCO – PROTECTOR ALTA TENSION



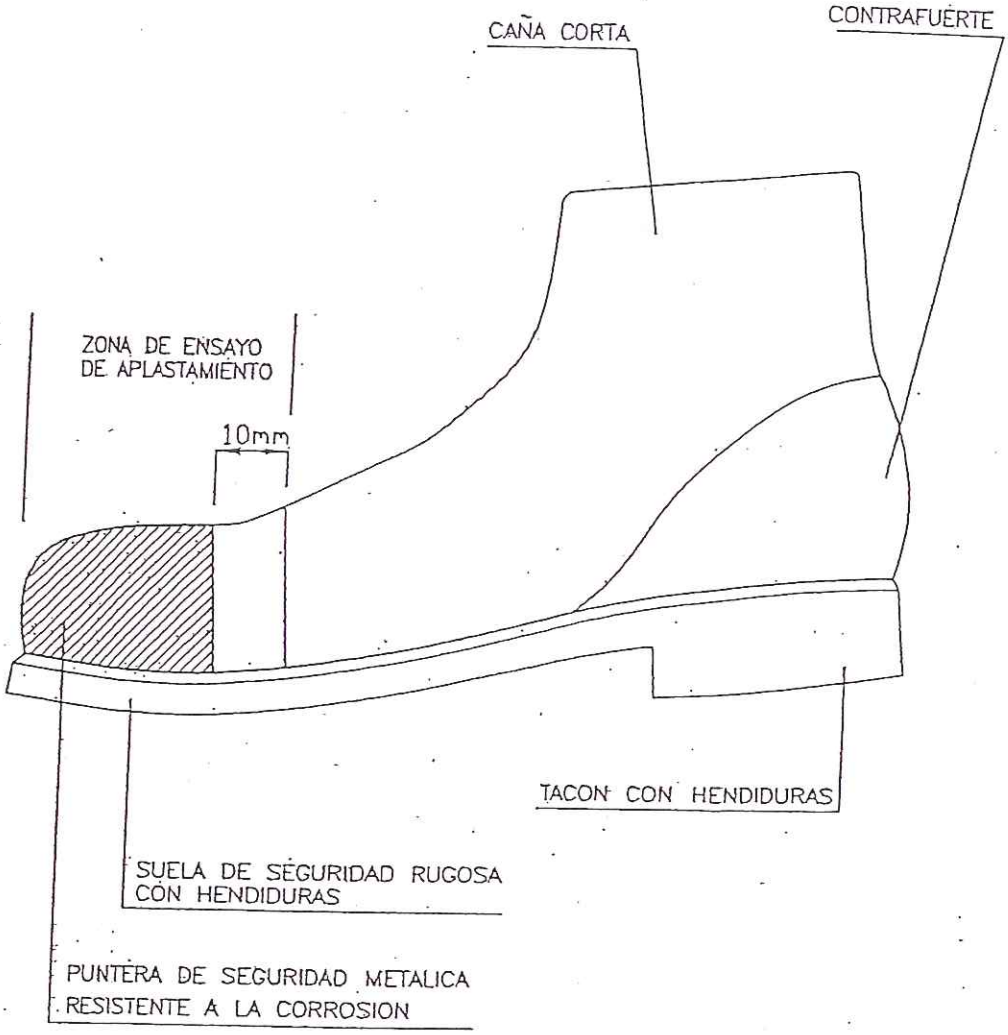


1 – MATERIAL INCOMBUSTIBLE, RESISTENTE A GRASAS, SALES Y AGUAS

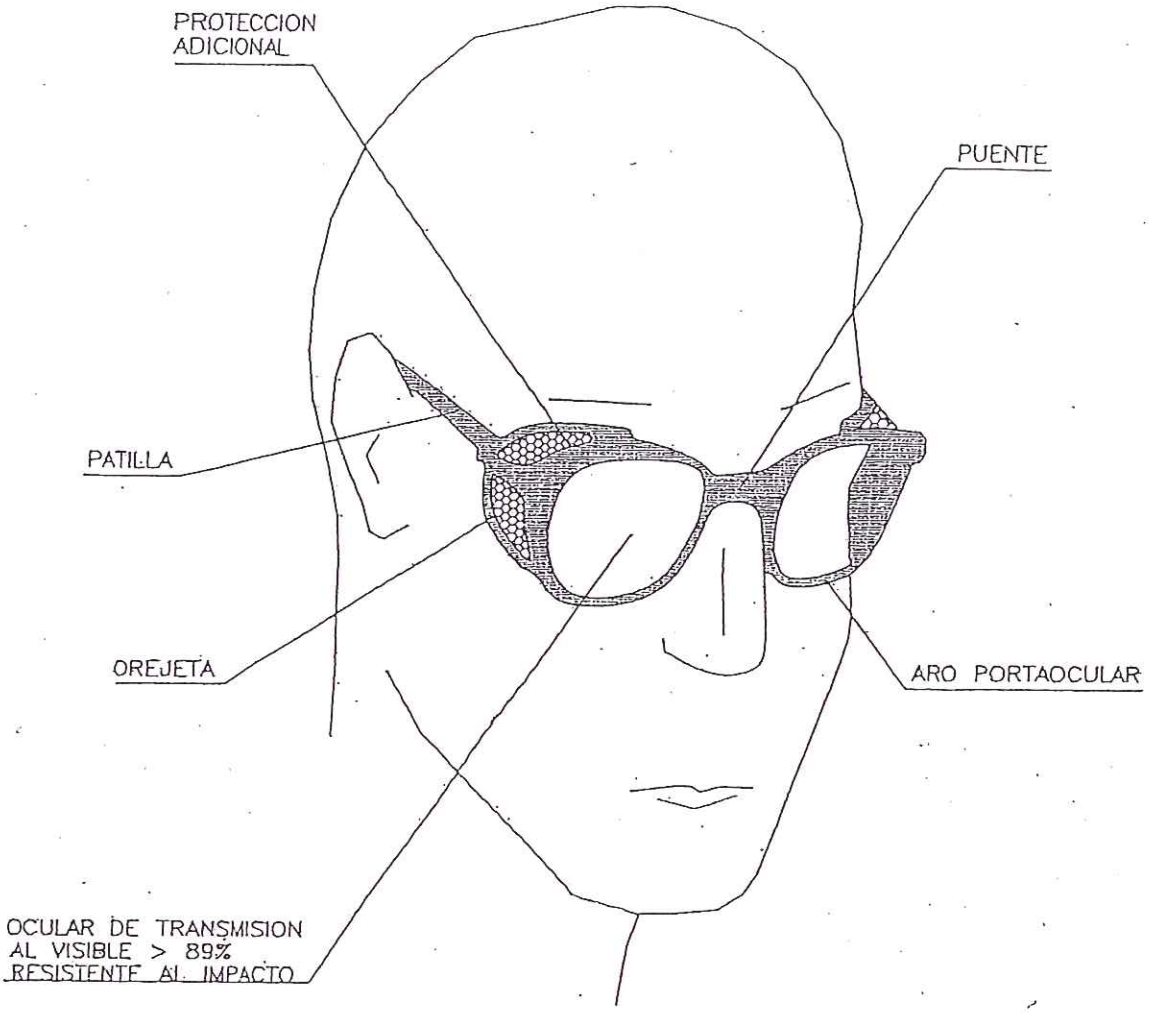
Hs Hendidura de la suela =5mm
Rs Resalte de la suela =9mm
Hf Hendidura del tacon =20mm
Rt Resalte del tacon =25mm



BOTA IMPERMEABLE AL AGUA Y A LA HUMEDAD

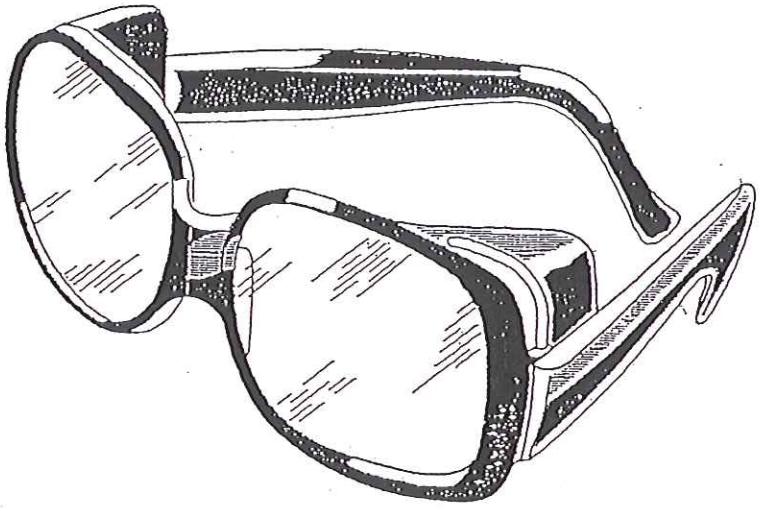


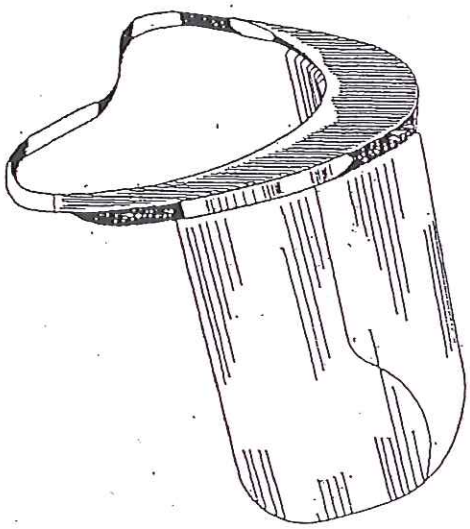
BOTAS DE SEGURIDAD CLASE III



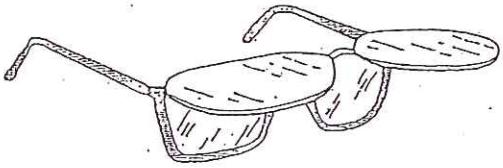
GAFAS DE MONTURA TIPO UNIVERSAL
CONTRA IMPACTOS

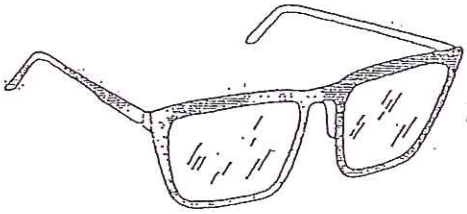
PROTECCIONES PERSONALES

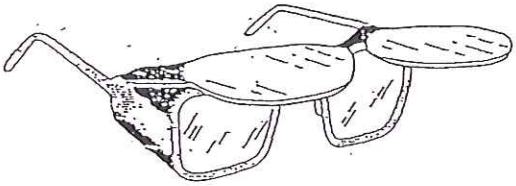




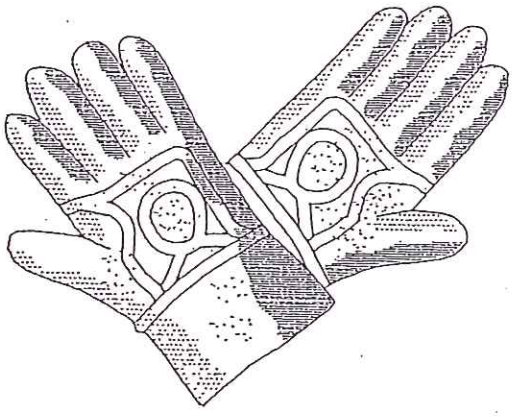
- EN ACETATO ACA



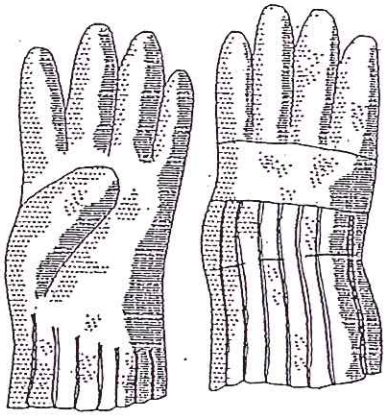




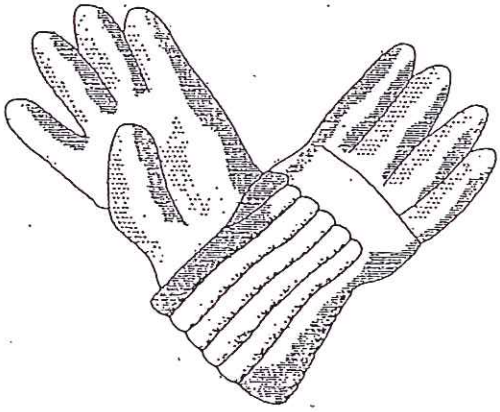
PROTECCIONES PERSONALES



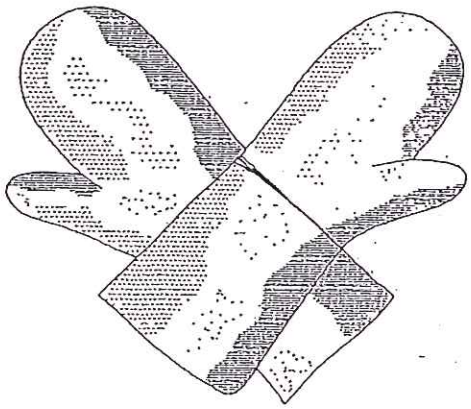
CUERO



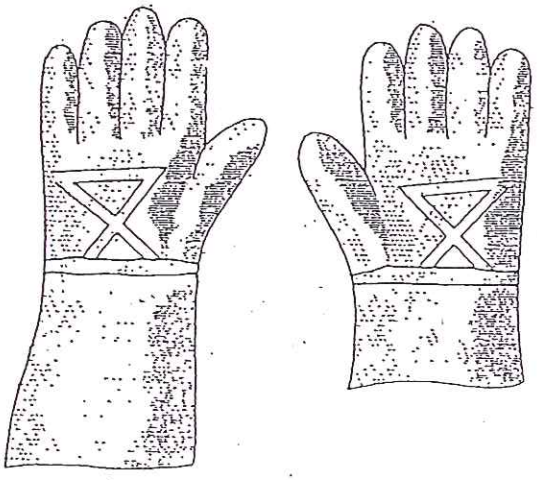
AISLANTES



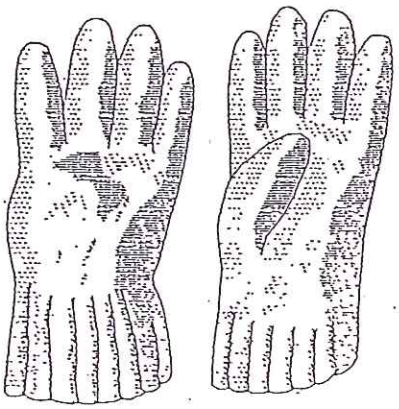
AISLANTES



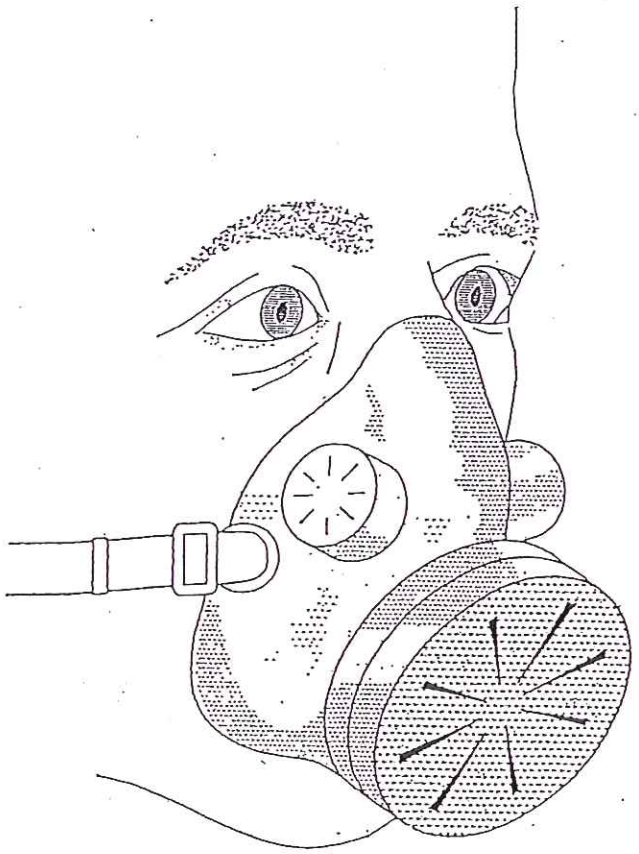
MANOPLAS



CUERO REFORZADO

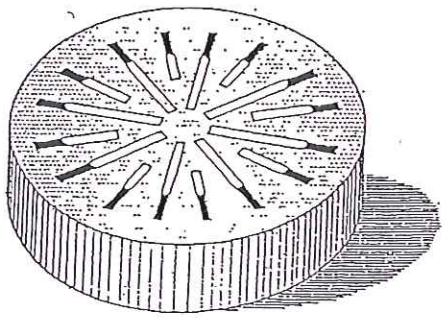


CUERO



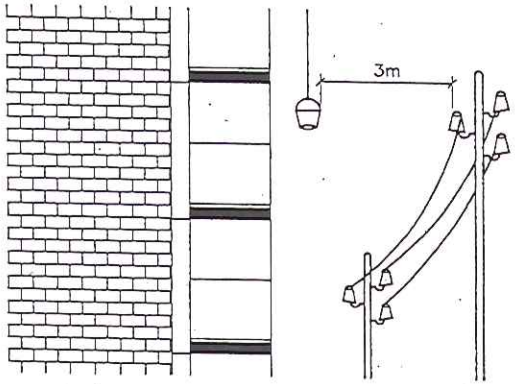
MASCARILLA DE PROTECCION RESPIRATORIA CONTRA POLVO Y PARTICULAS FINAS Y PARA LA PREVENCION DE ENFERMEDADES DE TIPO FIBROGENO : SILICOSIS ASBESTOSIS, Y NEUMOCONIOSIS

FILTRO QUIMICO QUE PROTEGE CONTRA: VAPORES ORGANICOS, COMPUESTOS A BASE DE ESMALTES Y BARNICES VITREOS LACAS Y PINTURAS.
NO DEBEN USARSE EN ATMOSFERAS DEFICIENTES EN OXIGENO.

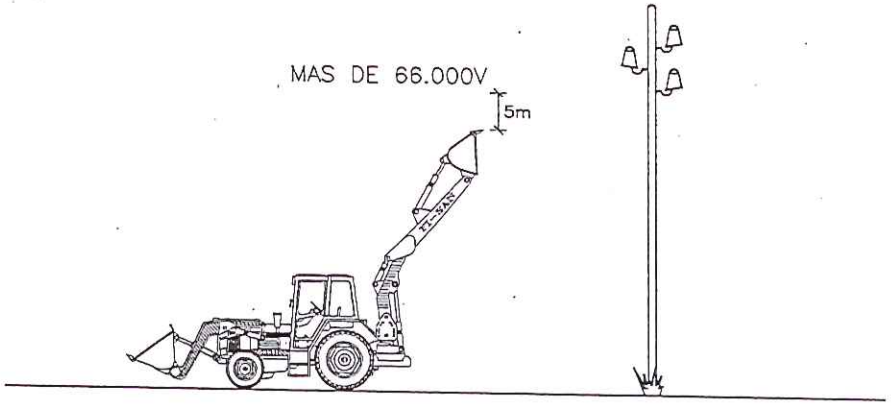


DISTANCIAS DE SEGURIDAD RESPECTO DE LINEAS AEREAS ELECTRICAS

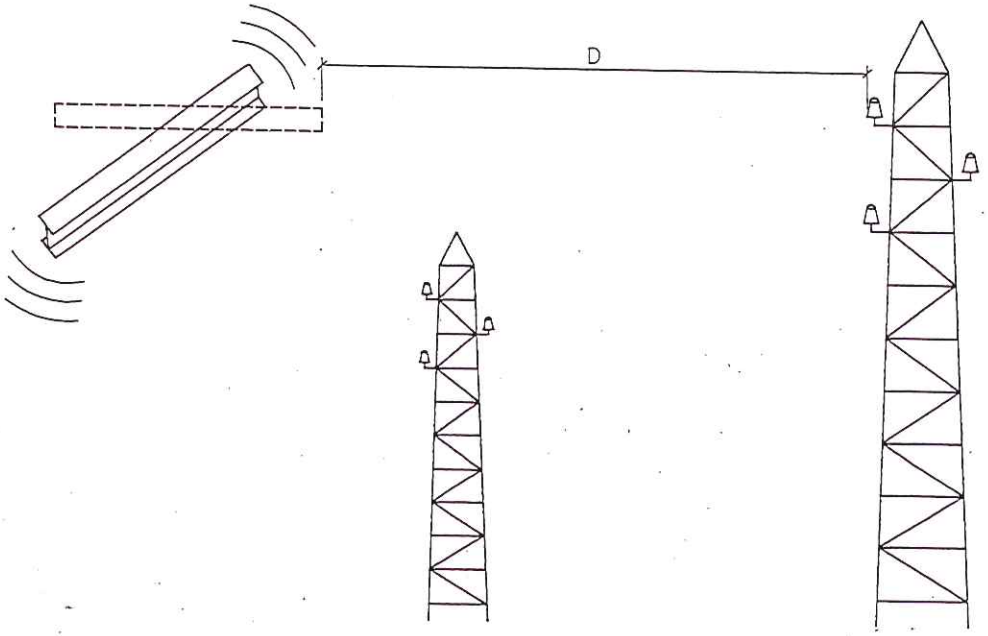
MENOS DE 66.000V



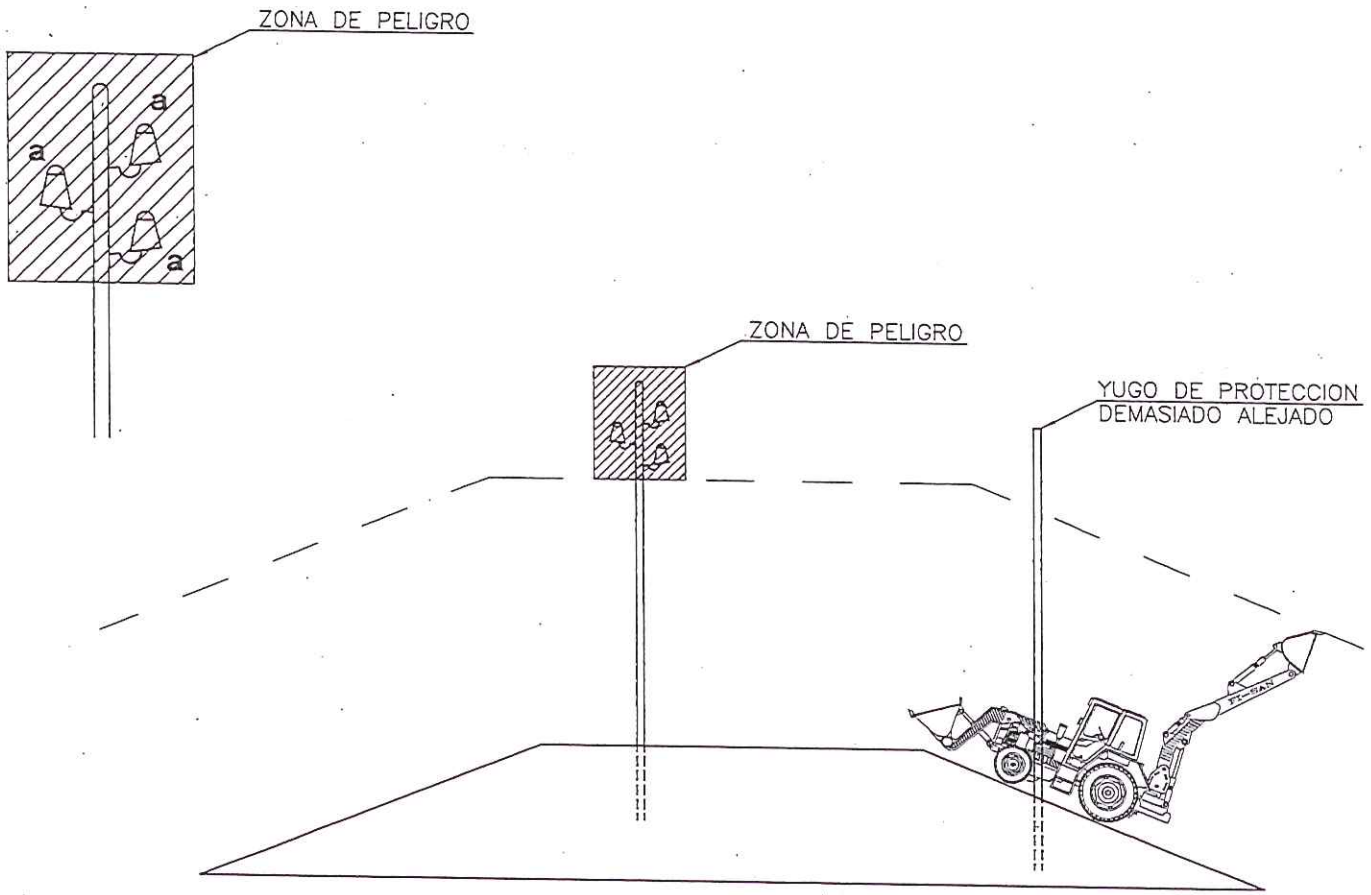
MAS DE 66.000V



SIEMPRE TENER EN CUENTA LA SITUACION MAS DESFABORABLE



PASO BAJO LINEAS AEREAS DE TENSION
(DEPRESIONES DEL TERRENO O TERRAPLENES)

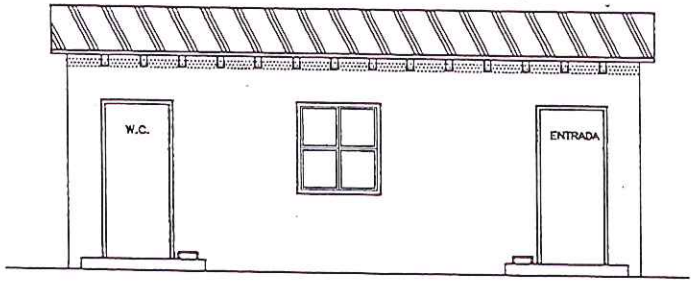


a=3m.para T < 66.000 Voltios

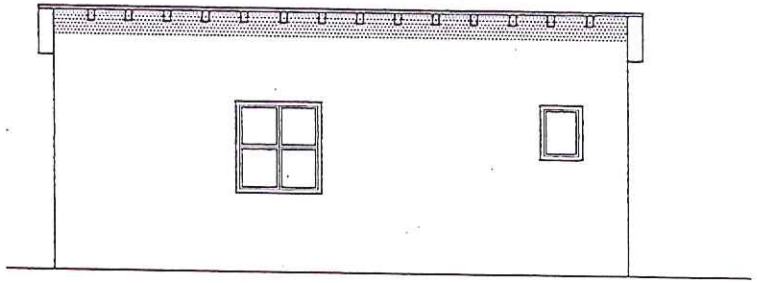
a=5m.para T > 66.000 Voltios

ES NECESARIO TENER MUY PRESENTE EN LOS YUGOS DE PROTECCION, LAS DEPRESIONES DEL TERRENO O TERRAPLENES, DADO QUE UNA PROTECCION DEMASIADO ALEJADA PUEDE SER TOTALMENTE INEFICAZ.

ASEOS Y VESTUARIOS
ALZADOS Y SECCIONES

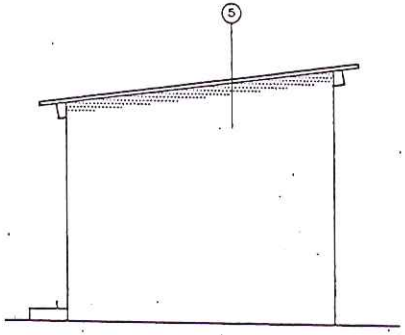


ALZADO FRONTAL

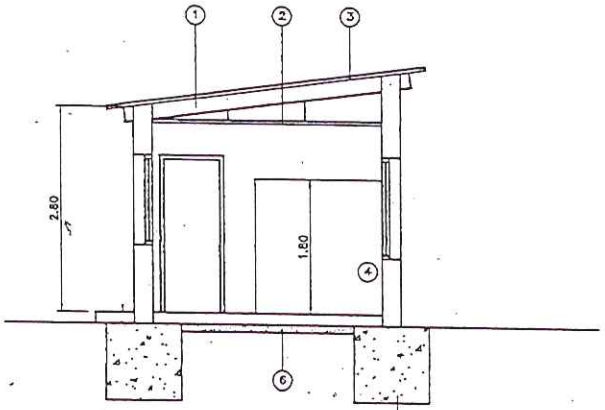


ALZADO POSTERIOR

CONSTRUCCIÓN LADRILLO TRADICIONAL. 10/20



ALZADO LATERAL DERECHO

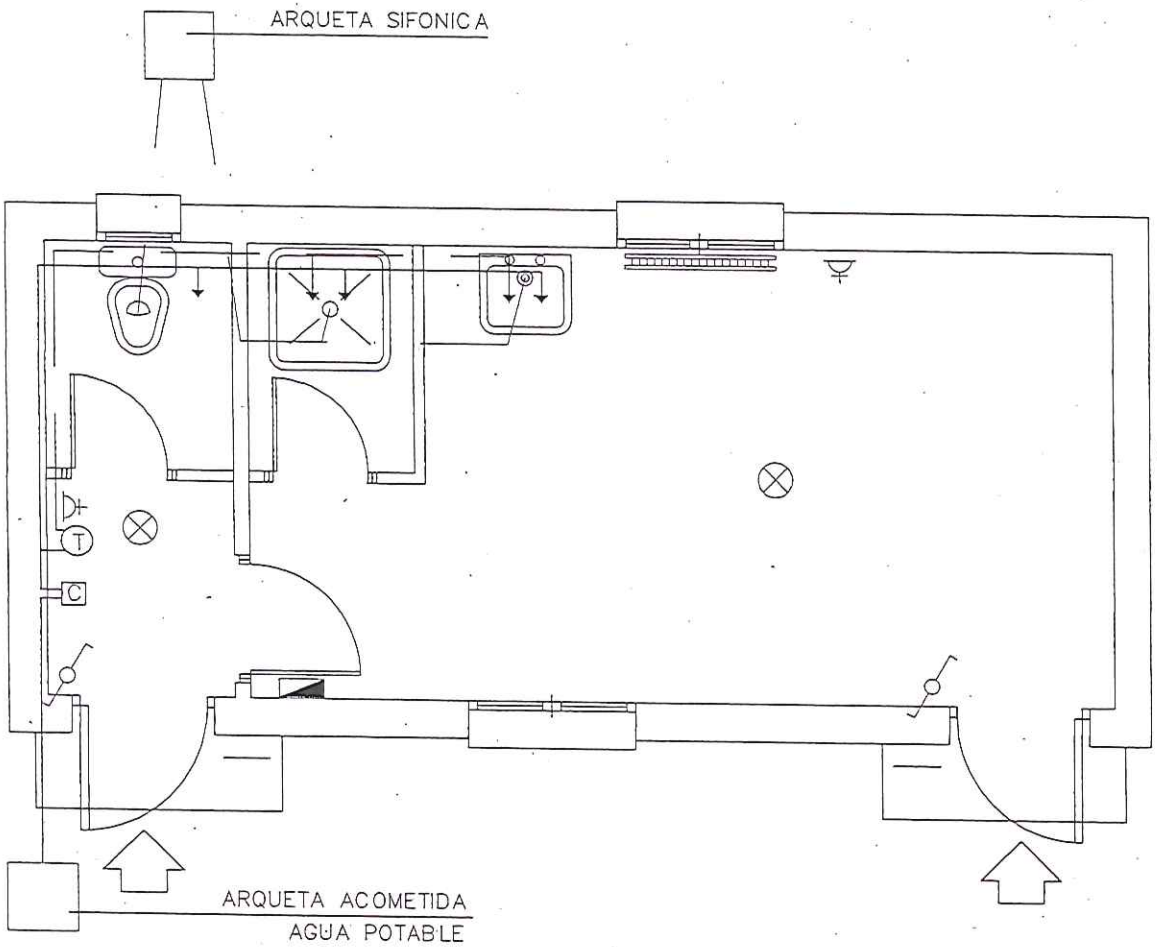


SECCION A–A

LEYENDA

1. TABLÓN DE 20x9 cm.
2. FALSO TECHO DE POLIESTIRENO EXPANDIDO DE 4 cm. DE ESPESOR
3. PLACA ONDULADA DE FIBROCEMENTO
4. DUCHAS Y LAVABOS CON GRIFERÍA HIDROMEZCLADORA
5. ENFOSCADO FRATASADO A BUENA VISTA PINTADO EN COLOR BLANCO CON PINTURA PLASTICA
6. SOLERA DE HORMIGÓN
7. CIMENTACIÓN DE HORMIGÓN EN MASA

ASEOS Y VESTUARIOS
INSTALACIONES



PLANTA GENERAL INSTALACIONES

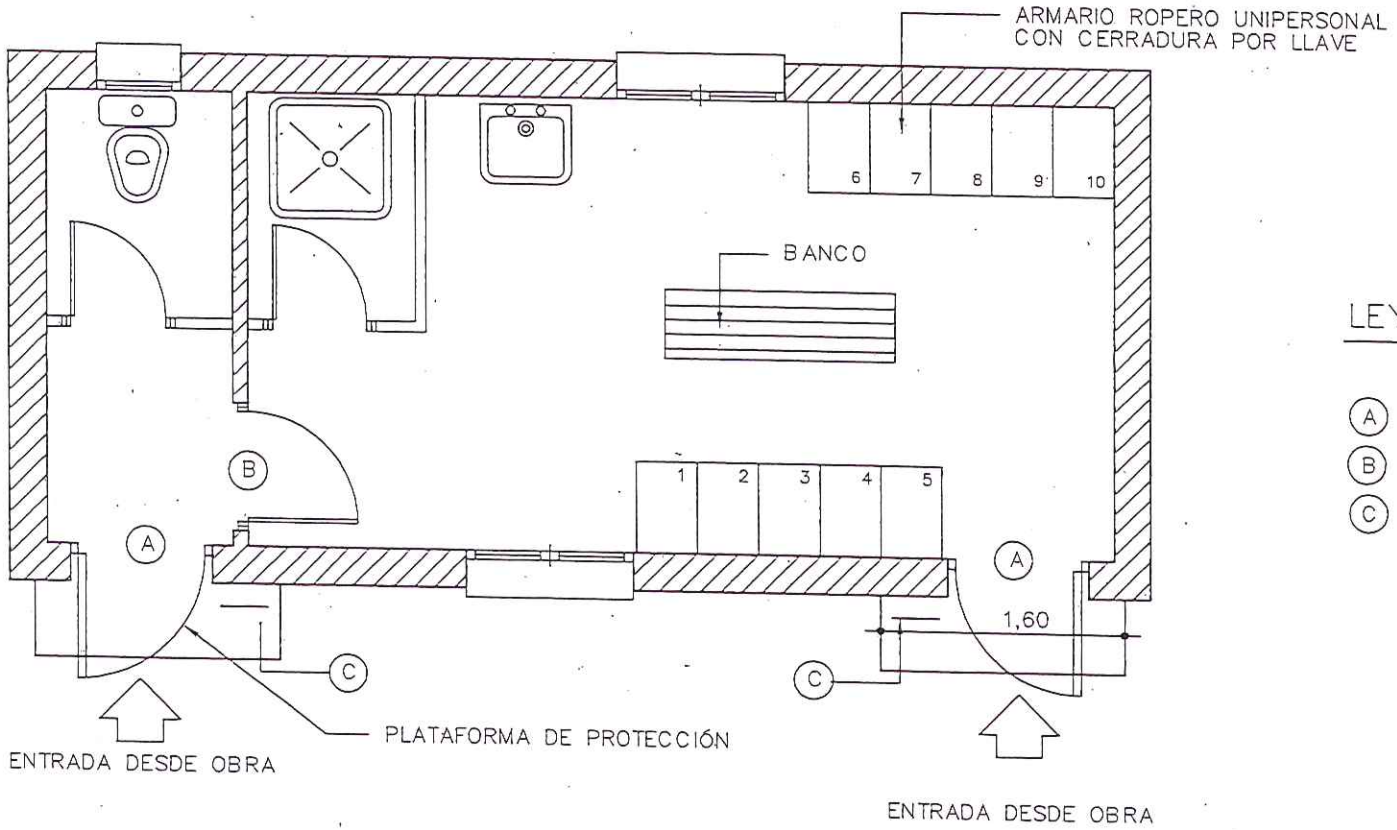
LEYENDA DE FONTANERÍA

- TERMO ELÉCTRICO
- CONTADOR DE AGUA
- RED DE AGUA FRÍA
- RED DE AGUA CALIENTE
- RED DE SANEAMIENTO

LEYENDA DE ELECTRICIDAD

- PUNTO DE LUZ 60 W. (Lampara de bajo consumo)
- BASE DE ENCHUFE CON TOMA DE TIERRA
- INTERRUPTOR
- CONMUTADOR
- CUADRO ELÉCTRICO

MOBILIARIO

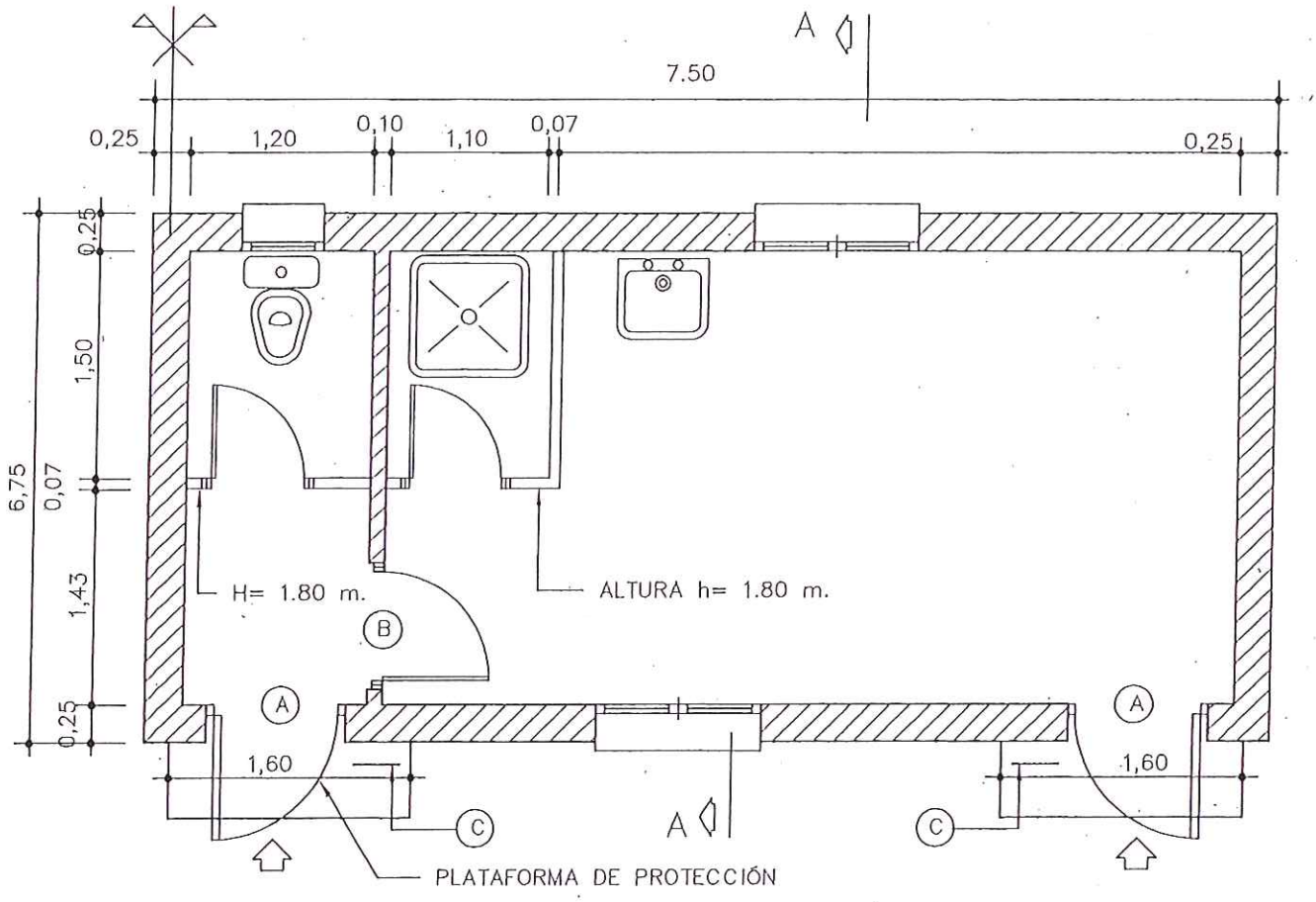


PLANTA GENERAL MOBILIARIO

LEYENDA

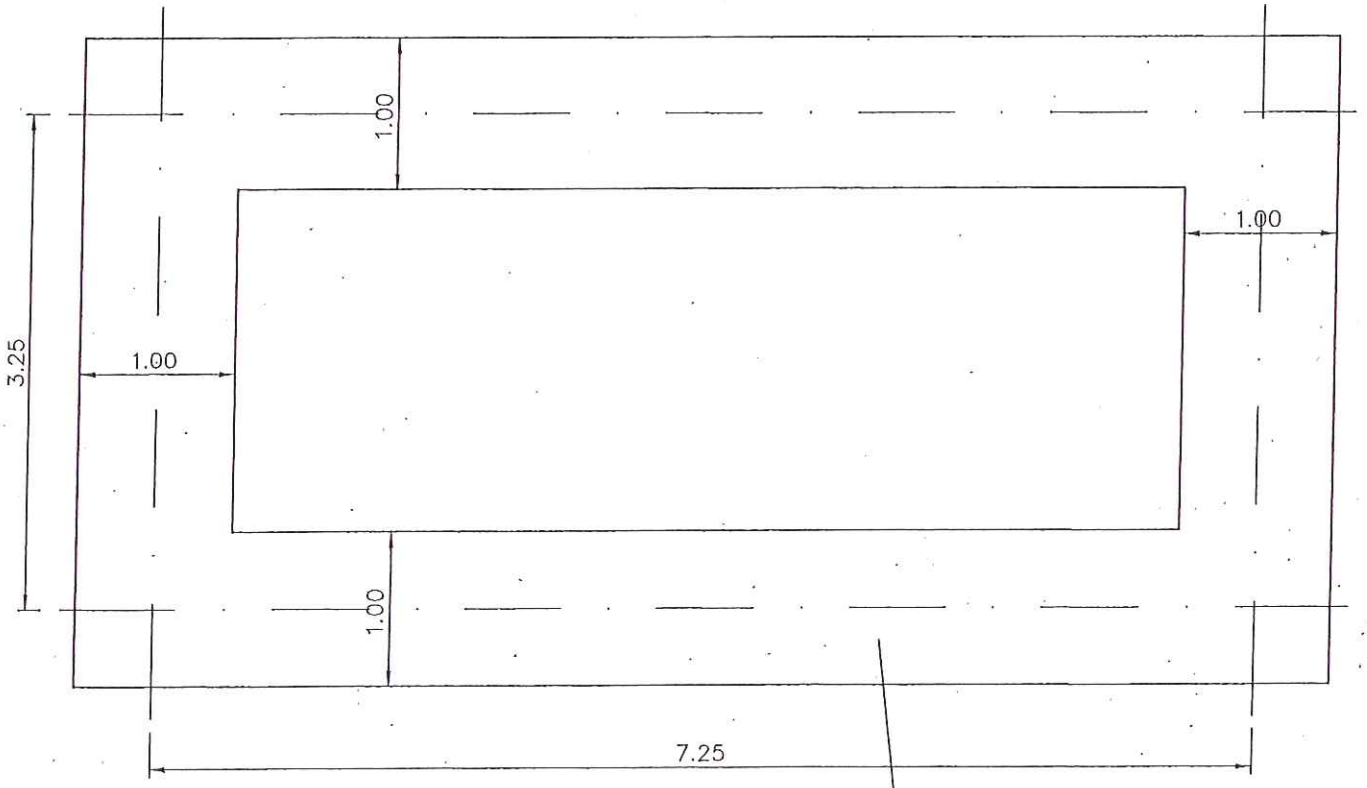
- (A) PUERTA CON CONDENA EXTERIOR
- (B) PUERTA CON CONDENA INTERIOR
- (C) BARRA LIMPIA BARROS DE CALZADO

ASEOS Y VESTUARIOS
CIMENTACIÓN Y PLANTA



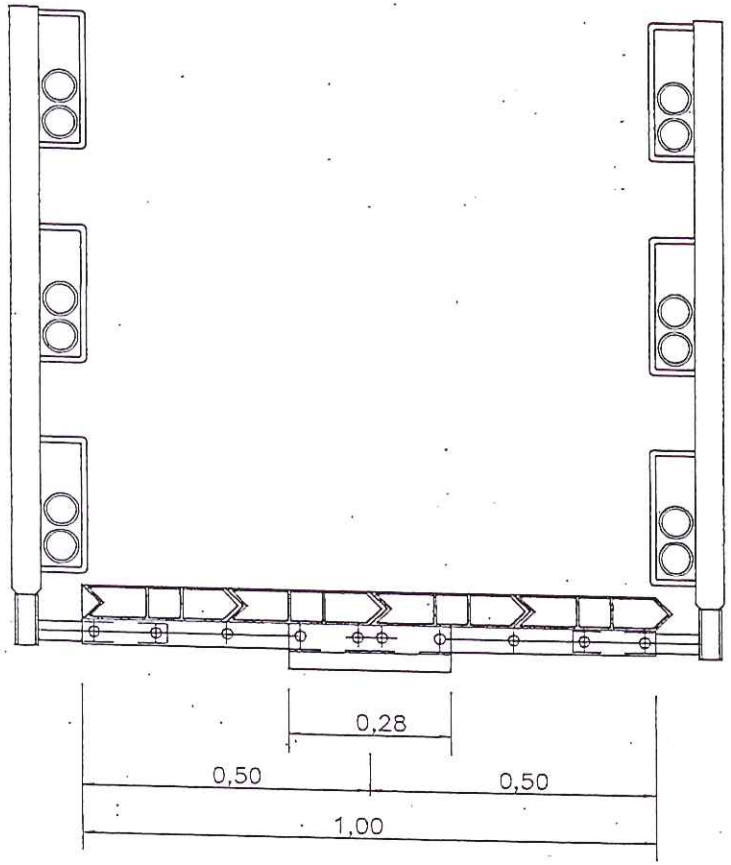
PLANTA GENERAL ACOTADA

CASETA-VESTUARIO PARA
10 TRABAJADORES (Superficie 20 m2)
DUPLICADO POR EL EJE DE SIMETRÍA RESULTA
CASETA-VESTUARIO PARA 20 TRABAJADORES (Superficie 40 m2)

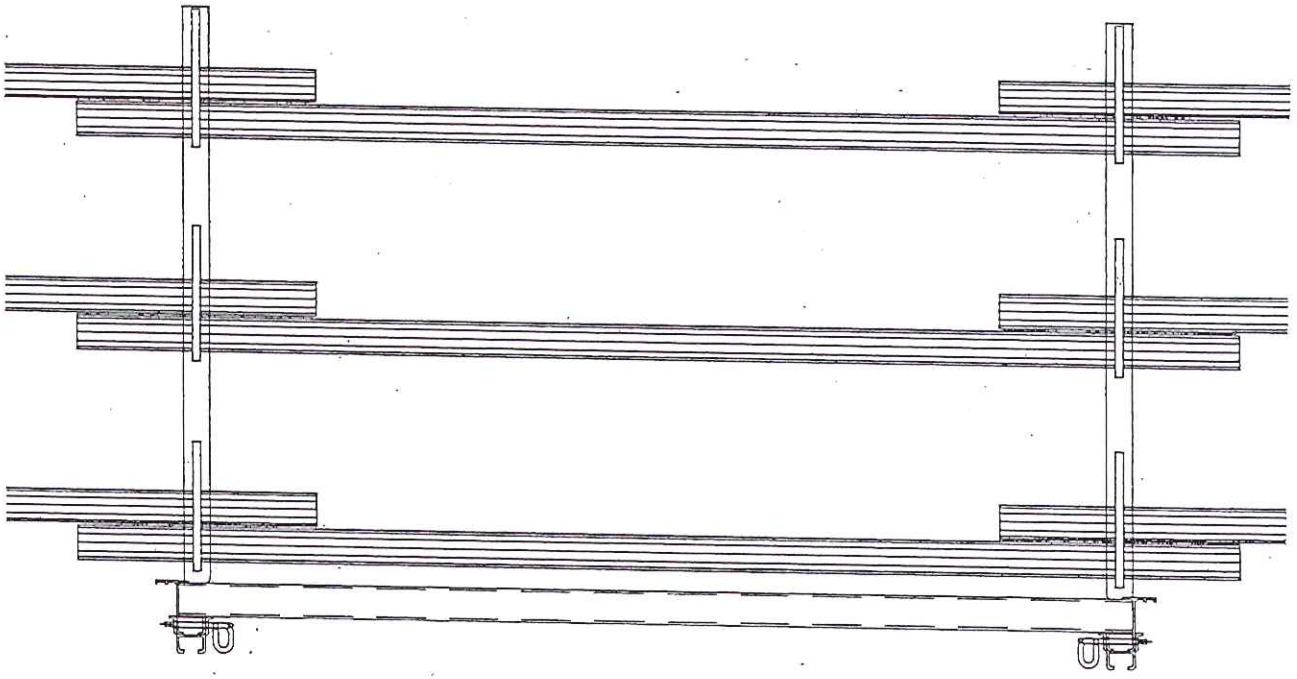


PLANTA DE CIMENTACIÓN

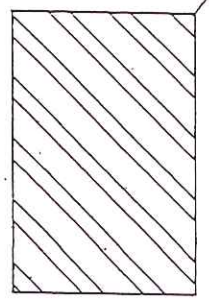
PASARELAS DE SEGURIDAD SOBRE ZANJAS EN ALUMINIO LIGERO



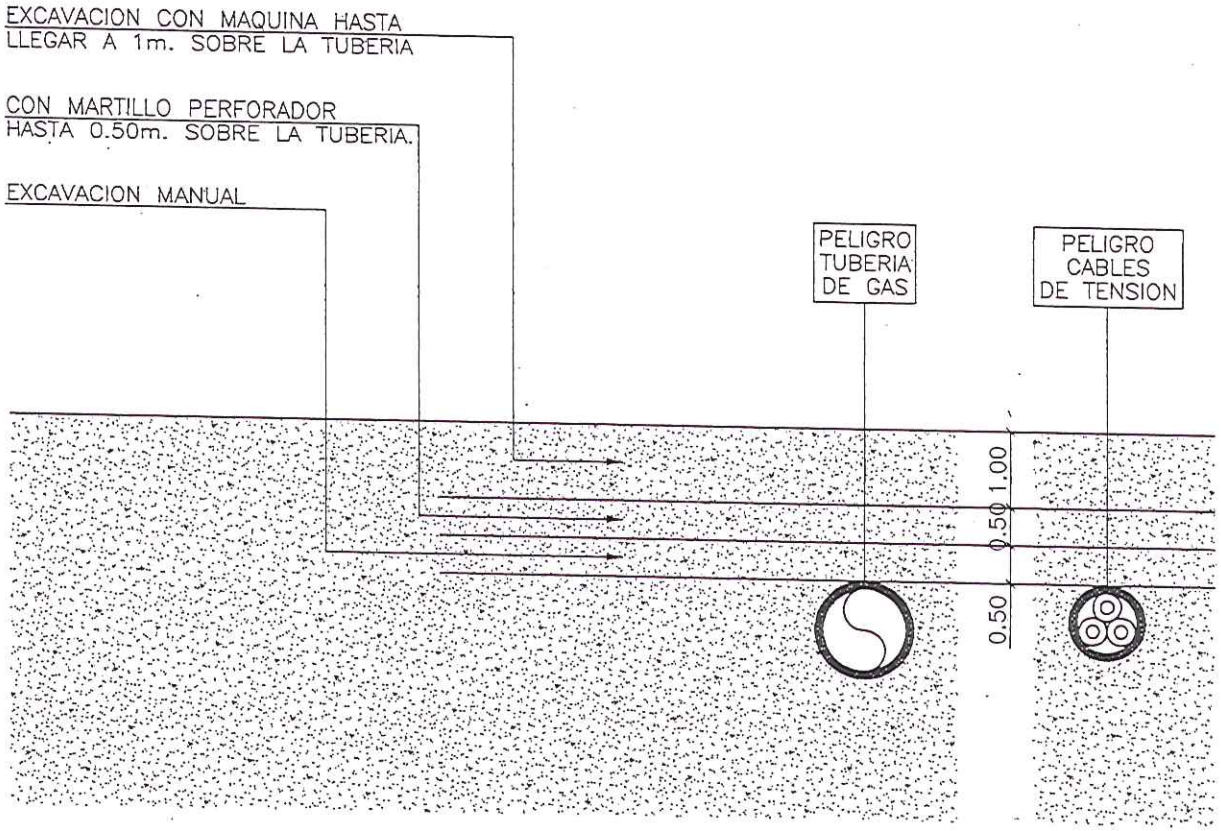
SECCION



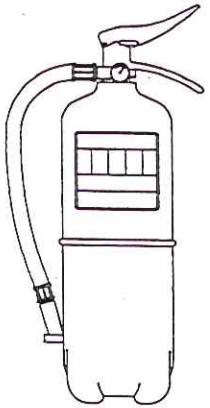
ALZADO



DISTANCIAS MAXIMAS DE SEGURIDAD RECOMENDABLES EN TRABAJOS DE EXCAVACION SOBRE CONDUCCIONES DE GAS Y ELECTRICIDAD



EXTINTOR MANUAL DE POLVO, ESPUMA O AGUA.



EXTINTOR MANUAL FABRICADO SEGUN NORMAS, CON CHAPA DE ACERO, PRESION INCORPORADA, PINTADO Y SERIGRAFIADO CON INDICACIONES DE USO, TIPO, CAPACIDAD DE CARGA, VIDA UTIL Y TIEMPO DE DESCARGA. HOMOLOGADO POR EL MINISTERIO DE INDUSTRIA. PROVISTO DE HERRAJES DE FIJACION, MANOMETRO DE COMPROBACION, PASADOR DE SEGURO, PALANCA DE DESCARGA Y MANGUERA DIFUSORA PARA DIRIGIR EL CHORRO

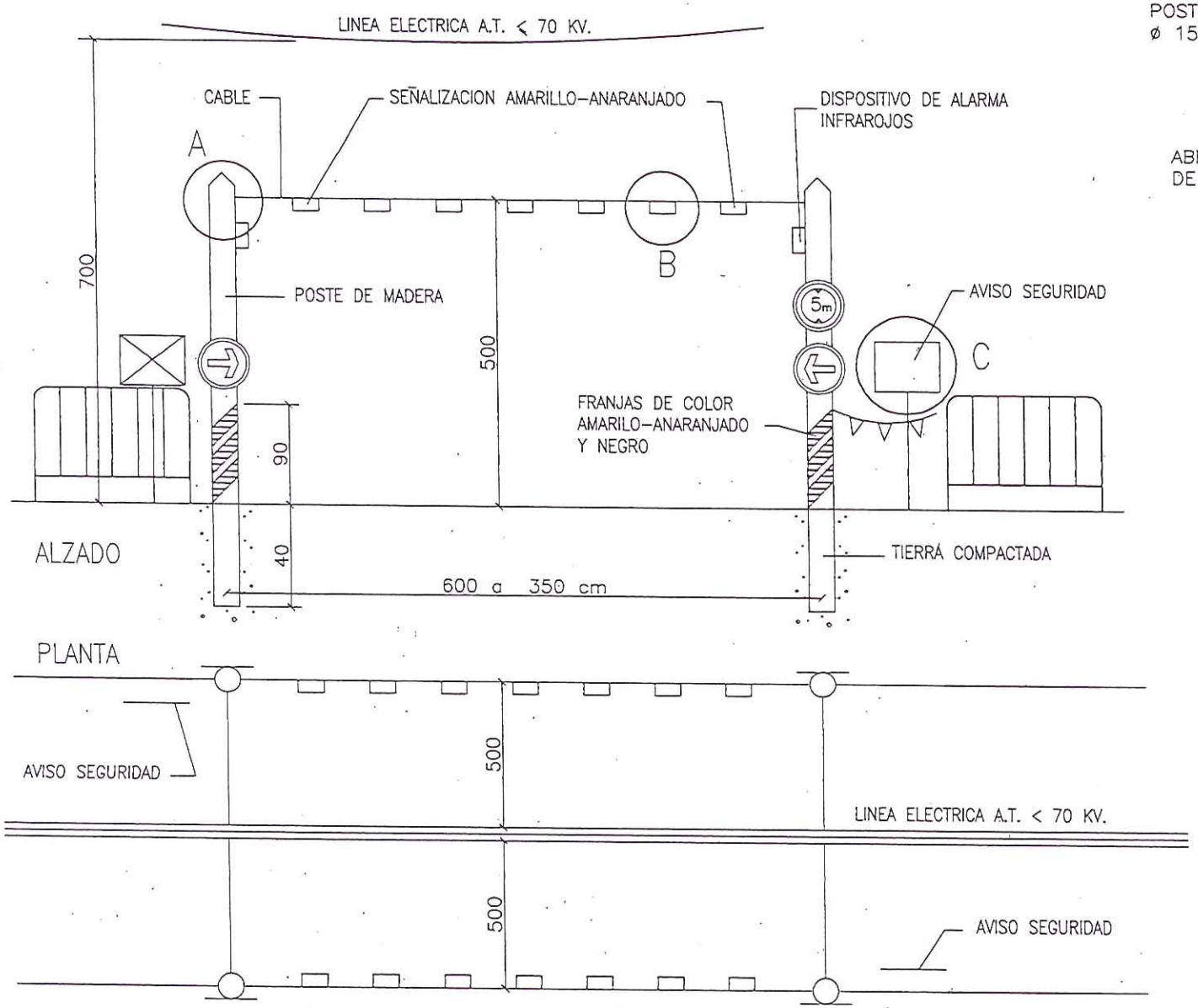
EFICACIA SEGUN CARGA:

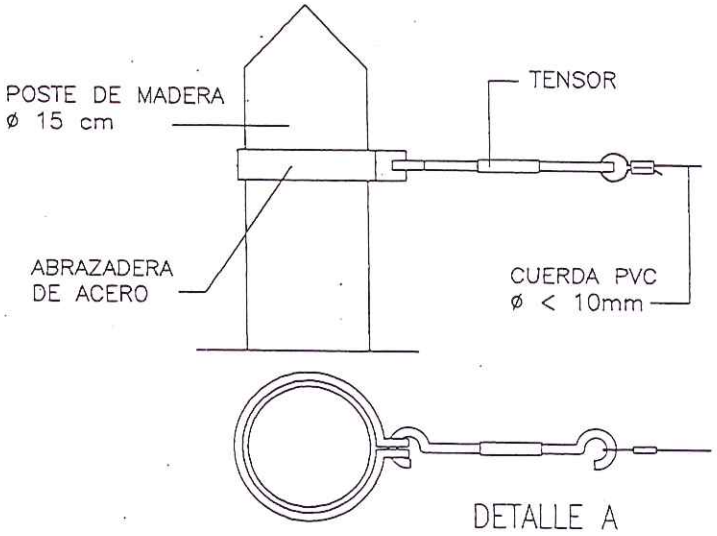
- 6 Kg. POLVO POLIVALENTE = 13A 89B
- 5 Kg. ESPUMA = 5A 34B
- 5 l. AGUA = 5A 34B

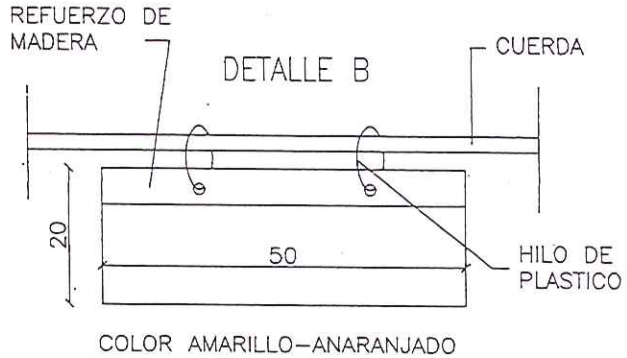
CLASIFICACION DE EXTINTORES POR AGENTES DE EXTINCION Y TIPO DE FUEGO

CLASES DE FUEGOS		TIPOS DE EXTINTORES			
		AGUA	NIEVE CARBONICA	POLVO POLIVALENTE	POLVO NORMAL
A	MATERIAS SECAS: MADERA, PAJA, PAPEL, TEJIDOS, ETC.	EXCELENTE	NO	EXCELENTE	DEFICIENTE
B	LIQUIDOS: GASOLINA, GAS-OIL, PETROLEO, ALCOHOL, DISOLVENTES, PINTURAS, ACEITES, ETC.	NO	BUENO	BUENO	EXCELENTE
C	GASES: BUTANO, PROPANO, METANO, GAS CIUDAD, ACETILENO, ETC.	NO	BUENO	BUENO	EXCELENTE
E	ELECTRICOS: LOS ANTERIORES EN PRESENCIA DE CORRIENTE ELECTRICA	NO	EXCELENTE	BUENO	EXCELENTE
D	FUEGOS DE METALES	NO	NO	NO	NO

GALIBO DE SEGURIDAD PARA CIRCULACIUON DE VEHICULOS BAJO LINEAS DE A.T. < 70 KV



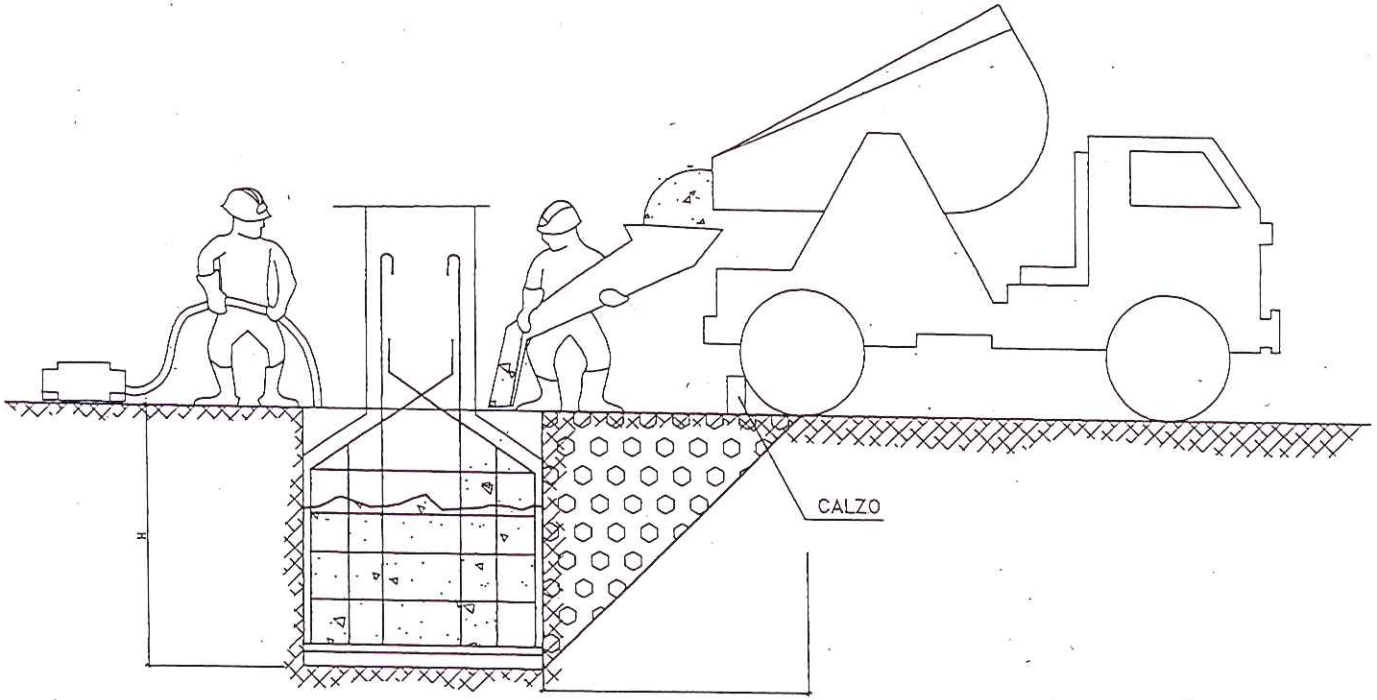




DETALLE C

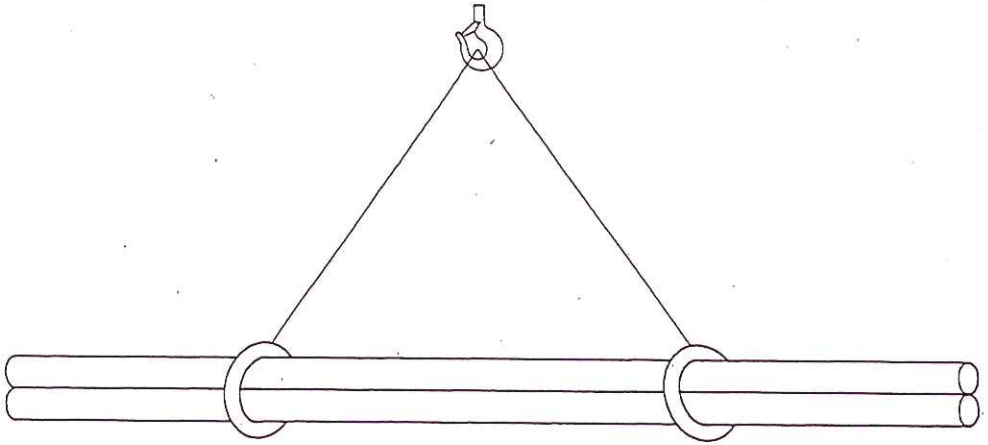
PELIGRO
ALTA TENSION

DISTANCIA DE VERTIDO DEL HORMIGON

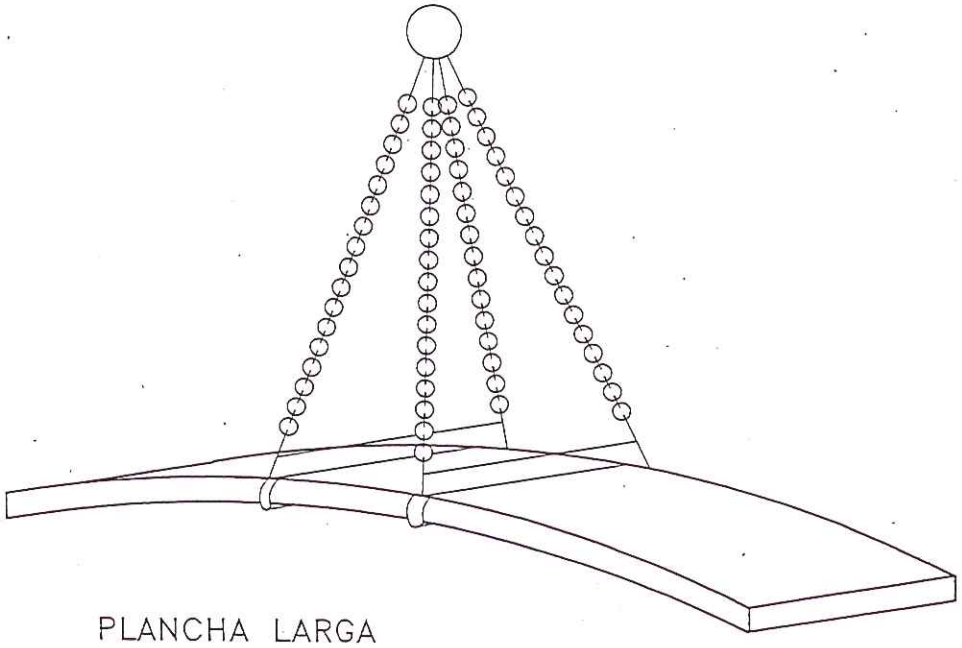


VARIABLE SEGUN TIPO DE TERRENO

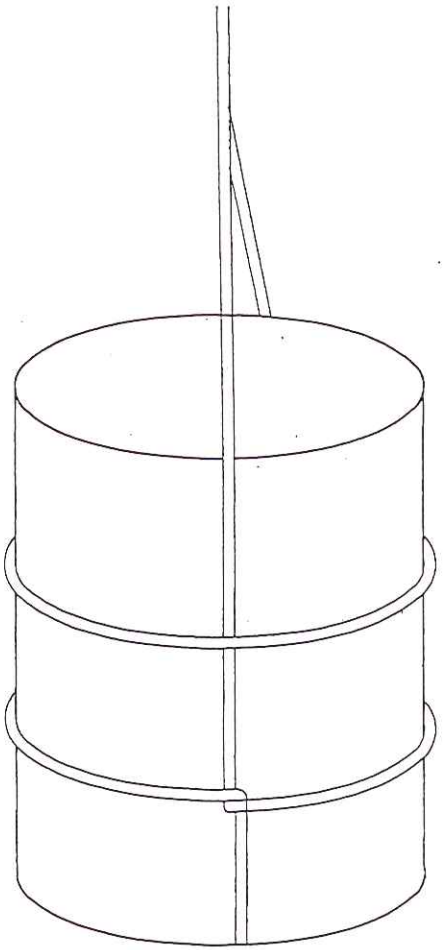
ELEVACION DE CARGAS



CARGA LARGA (DOS ESLINGAS)

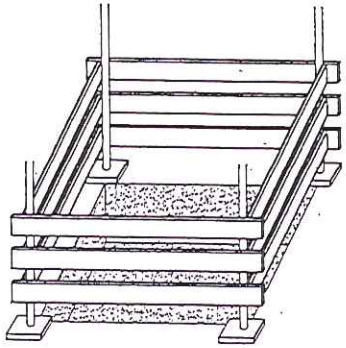


PLANCHA LARGA

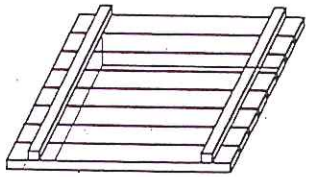


AMARRE DE BIDONES

VALLAS DE PROTECCION

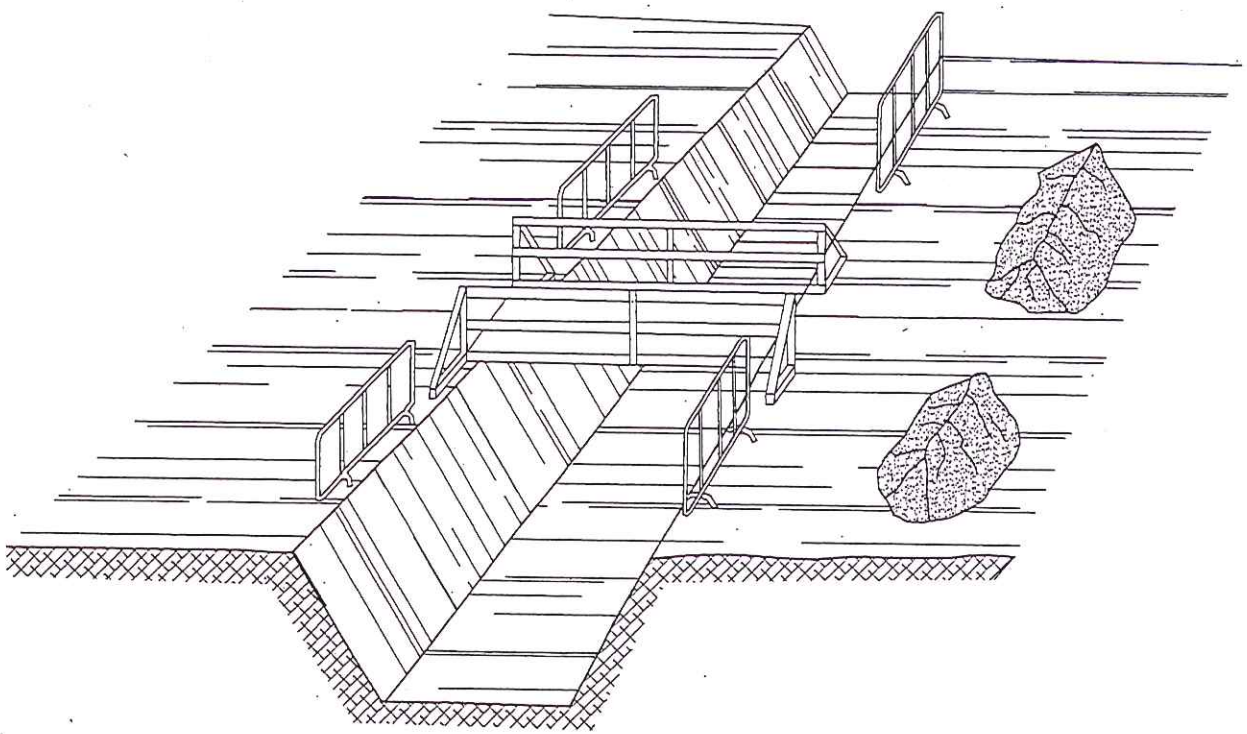


A: BARANDILLAS. Fijadas sobre puntales o sobre soportes sujetos al forjado



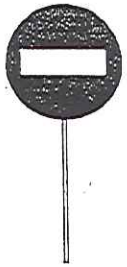
B: ENTABLADO. Sujeto de manera que no se pueda deslizar. Esta proteccion se considera mas adecuada para cubrir pequenos huecos (paso de instalaciones, conductos de ventilacion, etc.).

PROTECCION DE ZANJAS

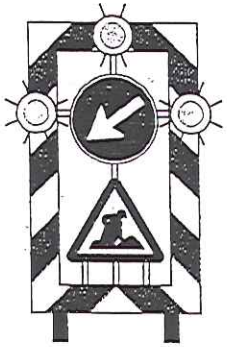


SEÑALES DE OBRA

PROHIBIDO



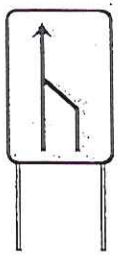
PROHIBIDO



ATENCION OBRAS

BARRERA DE SEGURIDAD MET?LICA.

BARRERA DE SEGURIDAD R?GIDA PORT?TIL, TD–1



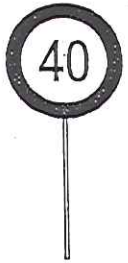
REDUCCION DE CARRIL

USO OBLIGATORIO DE CINTURON DE ATADO

USO OBLIGATORIO DE CASCO

¡PELIGRO! CARGAS SUSPENDIDAS

¡PELIGRO! CAIDAS A DISTINTOS NIVELES

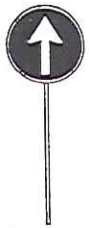


VELOCIDAD MAXIMA

ATENCION

¡PELIGRO! ZONA DE OBRAS

ESTRECHAMIENTO DE CALZADA



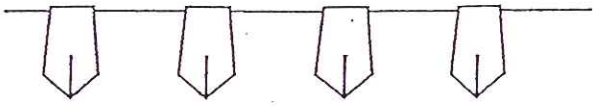
DIRECCION OBLIGATORIA

STOP

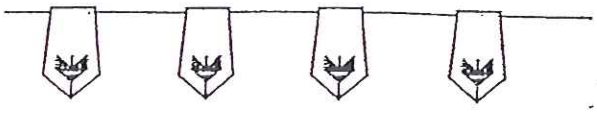
CONO INDICATIVO

PANEL DIRECCIONAL PARA OBRAS

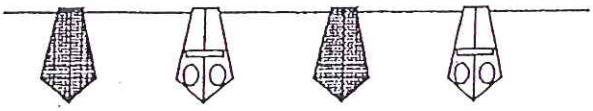
VALLA DE OBRAS



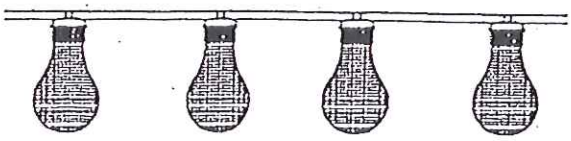
CORDON BALIZAMIENTO



CORDON BALIZAMIENTO

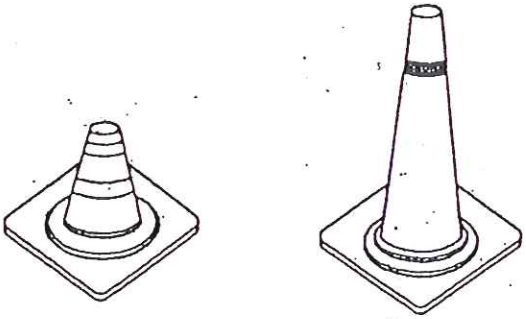


CORDON DE BALIZAMIENTO
NORMAL Y REFLECTANTE

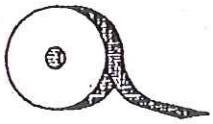


PORTALAMPARAS DE PLASTICO

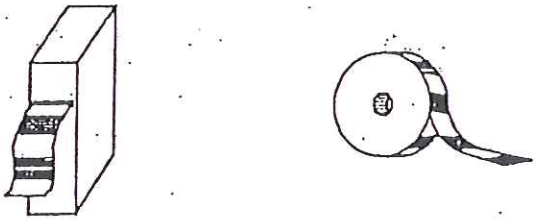
CLAVOS DE DESACELERACION



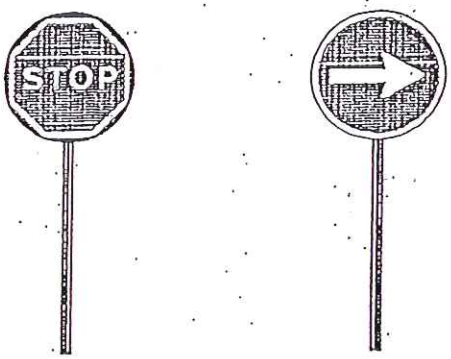
CONOS



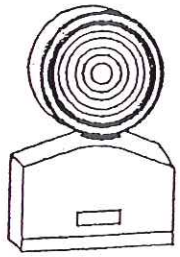
CINTA BALIZAMIENTO REFLECTANTE



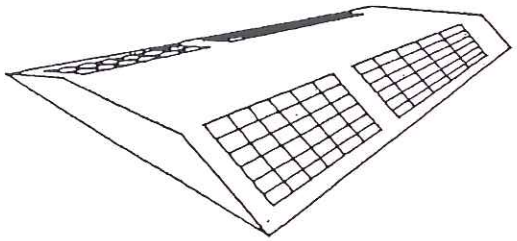
CINTA BALIZAMIENTO PLASTICO



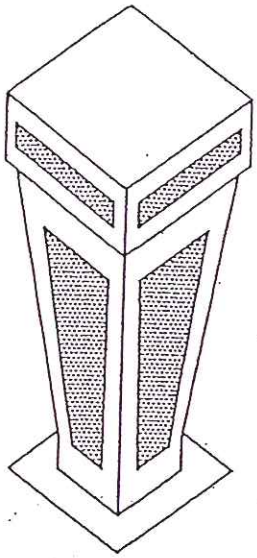
PALETAS MANUALES
DE SEÑALIZACION



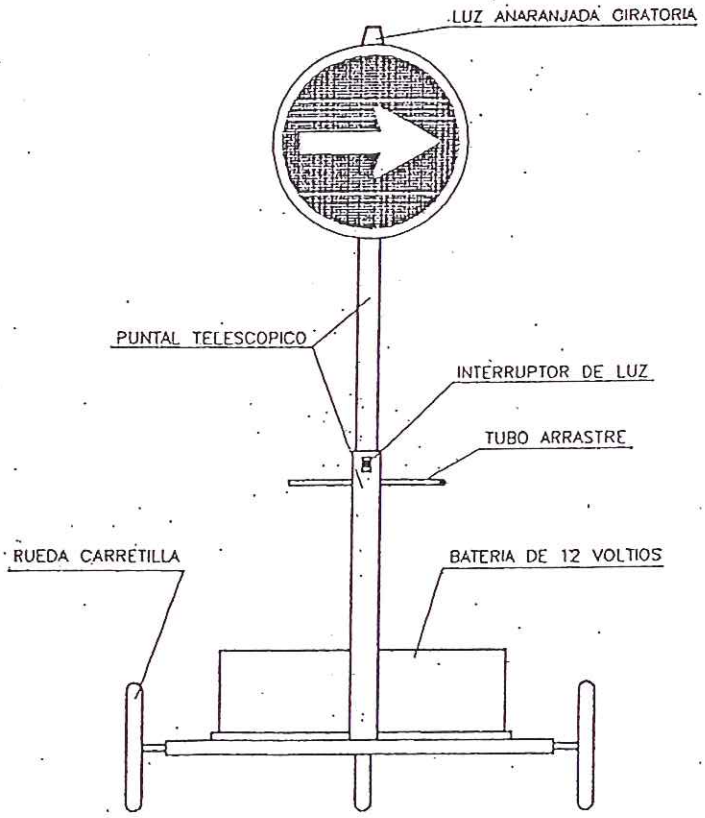
LAMPARA AUTONOMA FIJA
INTERMITENTE



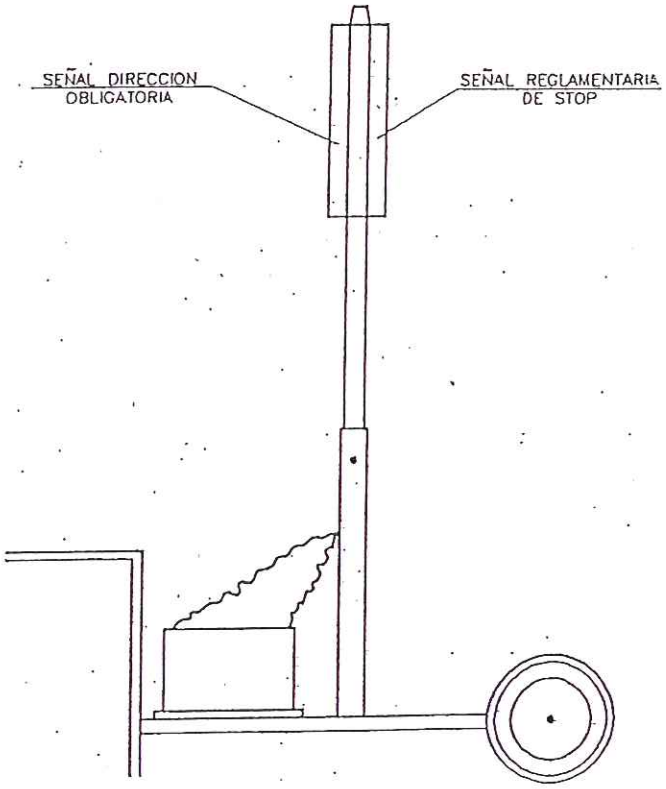
CAPTAFARO HORIZONTAL
"OJOS DE GATO"



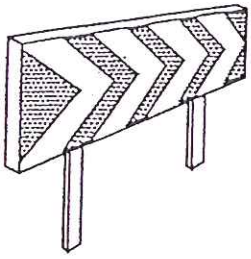
HITO LUMINOSO



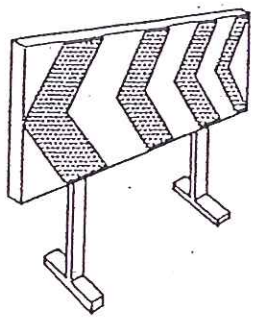
VISTA FRONTAL



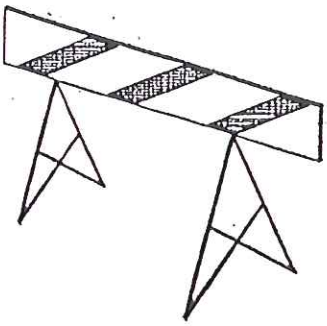
VISTA LATERAL



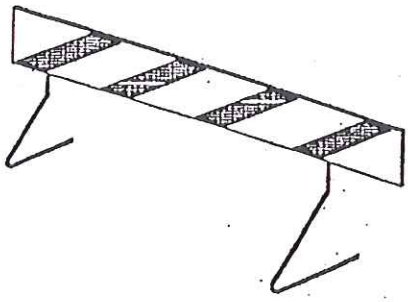
PANELES DIRECCIONALES
PARA CURVAS



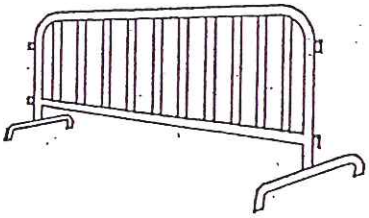
PANELES DIRECCIONALES
PARA OBRAS



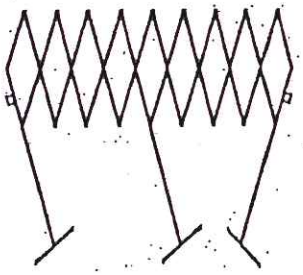
VALLA DE OBRAS MODELO 2



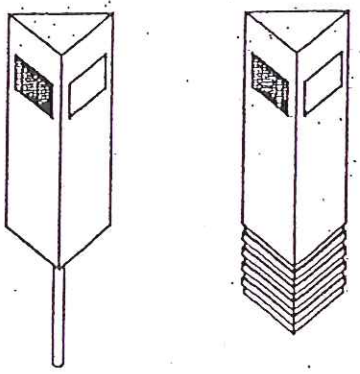
VALLA DE OBRAS MODELO 1



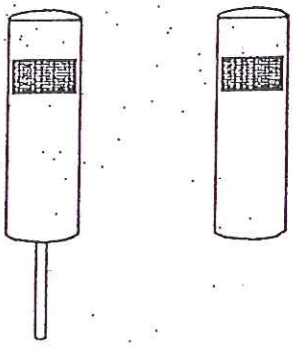
VALLA DE CONTENCION DE PEATONES



VALLA EXTENSIBLE

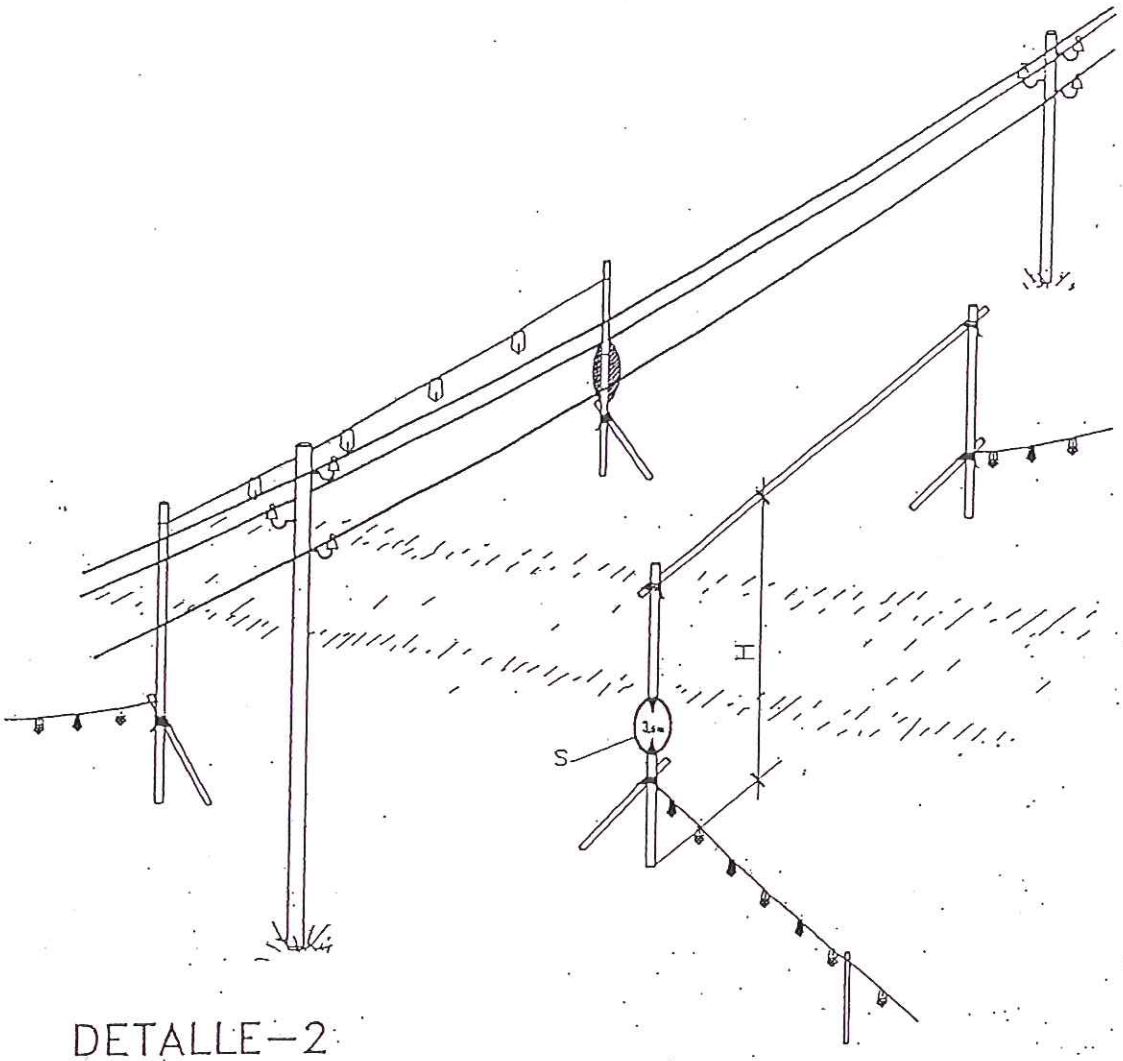


HITOS CAPTAFAROS PARA SEÑALIZACION
LATERAL DE AUTOPISTA EN POLIETILENO



HITOS DE PVC

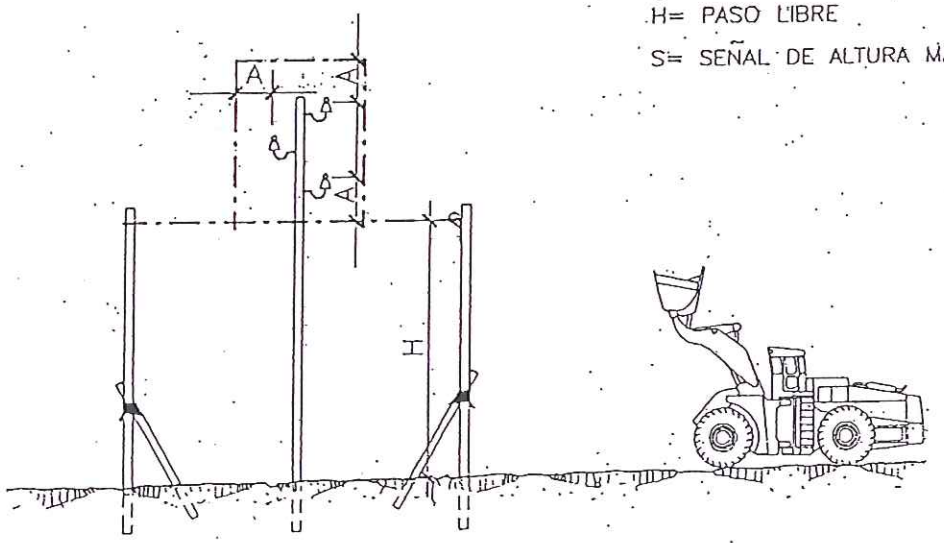
PORTICO DE BALIZAMIENTO DE LINEAS ELECTRICAS AEREAS



DETALLE-2

H= PASO LIBRE

S= SEÑAL DE ALTURA MAXIMA

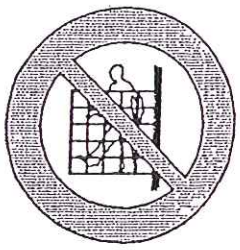


AGUA NO POTABLE

PROHIBIDO APAGAR CON AGUA

PROHIBIDO ENCENDER FUEGO

PROHIBIDO FUMAR

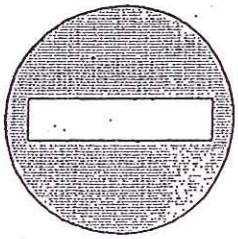


PROHIBIDO A PERSONAS

PROHIBIDO EL PASO A LOS PEATONES

PROHIBIDO ACCIONAR

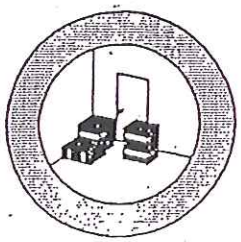
ALTO NO PASAR



PROHIBIDO EL PASO

PROHIBIDO EL PASO A CARRETILLAS

PROHIBIDO ACOMPAÑANTES EN CARRETILLAS



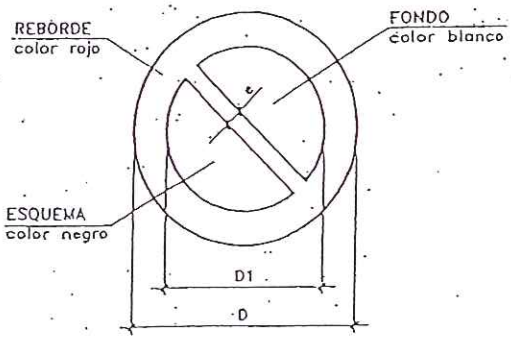
PROHIBIDO DEPOSITAR MATERIALES. MANTENER LIBRE EL PASO

PROHIBIDO EL PASO

PROHIBIDA LA ENTRADA

PROHIBIDO EL PASO A TODA PERSONA AJENA A LA OBRA

SEÑALES DE PROHIBICION



DIMENSIONES EN mm		
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420	297	31
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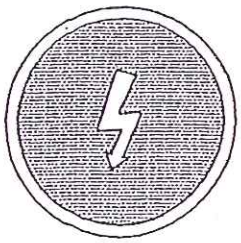
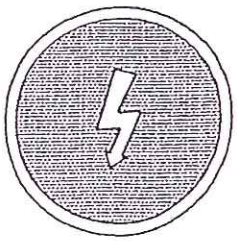
105	74	8



RIESGO
ELECTRICO



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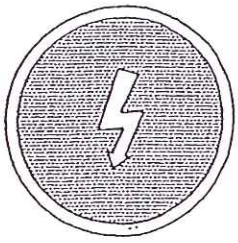
ELECTRICO



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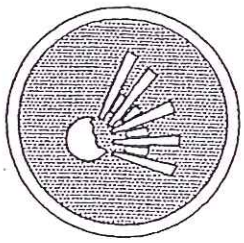
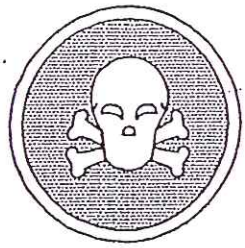
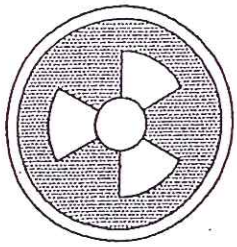
ELECTRICO



RIESGO
DE EXPLOSION

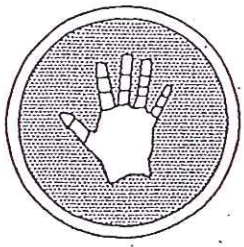


RIESGO
DE INTOXICACION

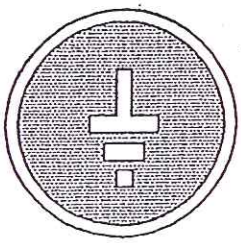


RIESGO
DE RADIACION

RIESGO
DE INCENDIO



RIESGO
DE CORROSION



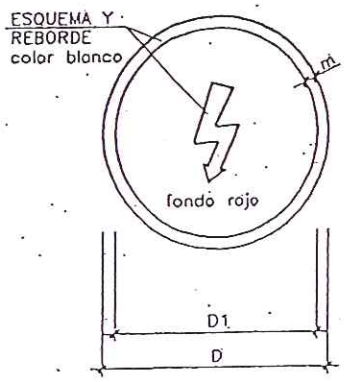
TIERRAS PUESTAS

RIESGO
ELECTRICO

RIESGO
ELECTRICO

RIESGO
ELECTRICO

SEÑALES DE PRESCRIPCION IMPERATIVAS Y DE PELIGRO



DIMENSIONES EN mm		
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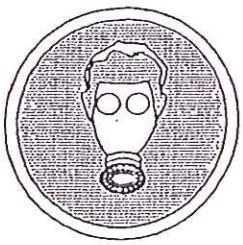
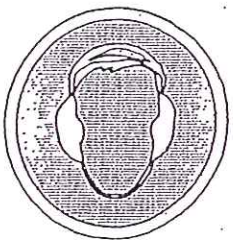
297	267	15
210	188	11
148	132	8
105	95	5



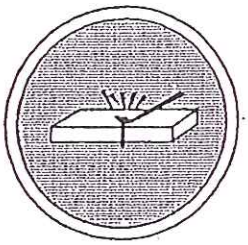
USO MASCARILLA

USO. CASCO



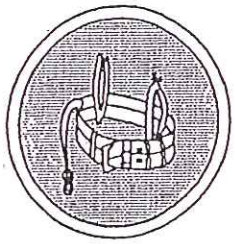
USO PROTECTORES AUDITIVOS

USO GAFAS



ELIMINAR PUNTAS

USO CINTURON DE SEGURIDAD

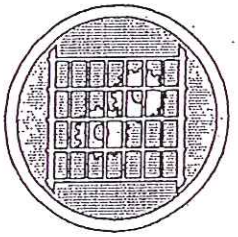


USO CINTURON DE SEGURIDAD

USO CALZADO ANTIESTATICO

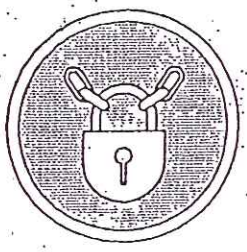
EMPUJAR NO ARRASTRAR

OBLIGATORIO APAGAR EL CIGARRILLO



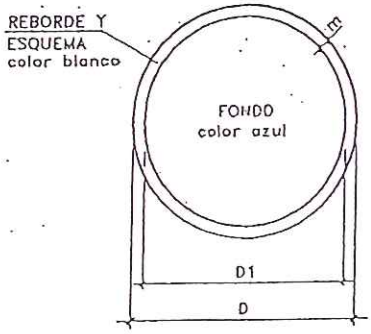
USO DE PROTECTOR FIJO

PASO DE PEATONES

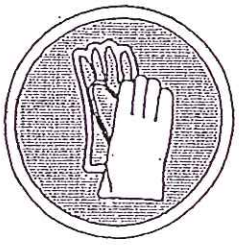


MANTENGA CERRADO

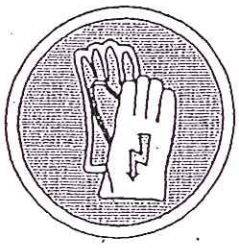
SEÑALES DE OBLIGACION



DIMENSIONES EN mm		
D	D1	•
594	554	30
420	378	21
297	267	15
210	188	11
148	132	8
105	95	5



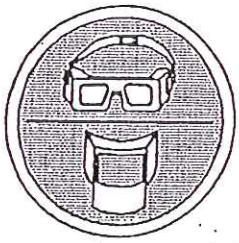
USO GUANTES



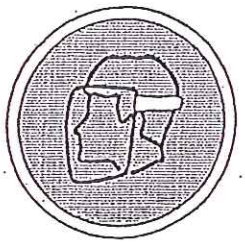
USO GUANTES AISLANTES

USO BOTAS

USO BOTAS AISLANTES

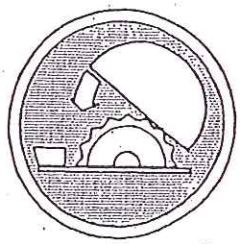


USO DE GAFAS O MASCARILLA

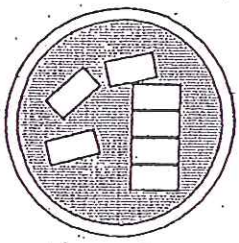


USO PANTALLA

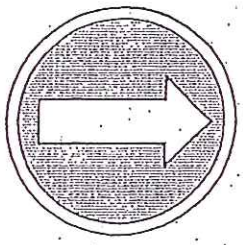
OBLIGACION LAVARSE LAS MANOS



USO DE PROTECTOR AJUSTABLE



OBLIGATORIO APILAR CORRECTAMENTE

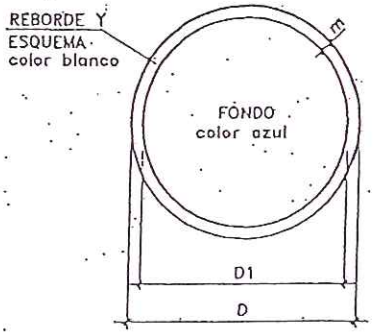


DIRECCION OBLIGATORIA

USO DE INVALIDOS

OBLIGATORIO CONTROLAR EL EXTINTOR

SEÑALES DE OBLIGACION



DIMENSIONES EN mm		
D	D1	e
594	534	30
420	378	21
297	267	15
210	188	11
148	132	8
105	95	5

RIESGO INCENDIO

RIESGO EXPLOSION

RIESGO RADIACION

RIESGO CARGAS SUSPENDIDAS

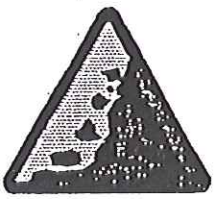
RIESGO INTOXICACION

RIESGO CORROSION

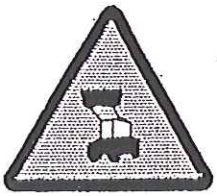
RIESGO ELECTRICO

RIESGO INDETERMINADO

CAIDA DE OBJETOS

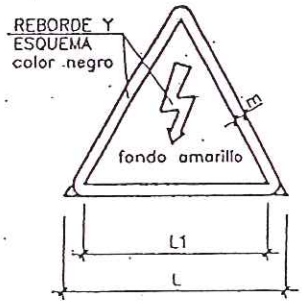


DESPRENDIMIENTOS



MAQUINA PESADA EN MOVIMIENTO

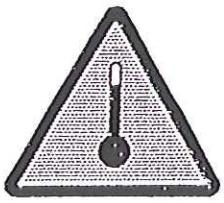
SEÑALES DE ADVERTENCIA DE PELIGRO



DIMENSIONES EN mm		
L	L1	m
594	492	30
420	348	21
297	246	15
210	174	11
148	121	8
105	87	5

CAIDA A DISTINTO NIVEL

CAIDA A MISMO NIVEL

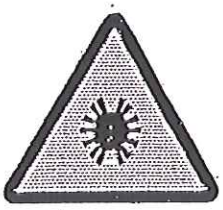


ALTA TEMPERATURA

BAJA TEMPERATURA

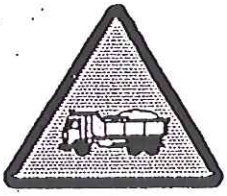
ALTA PRESION

TIERRAS PUESTAS



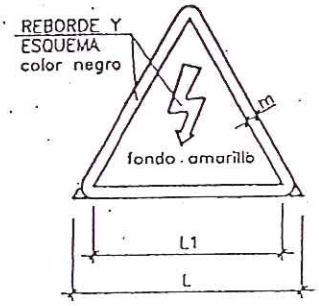
RADIACIONES LASER

PASO DE CARRETILLAS



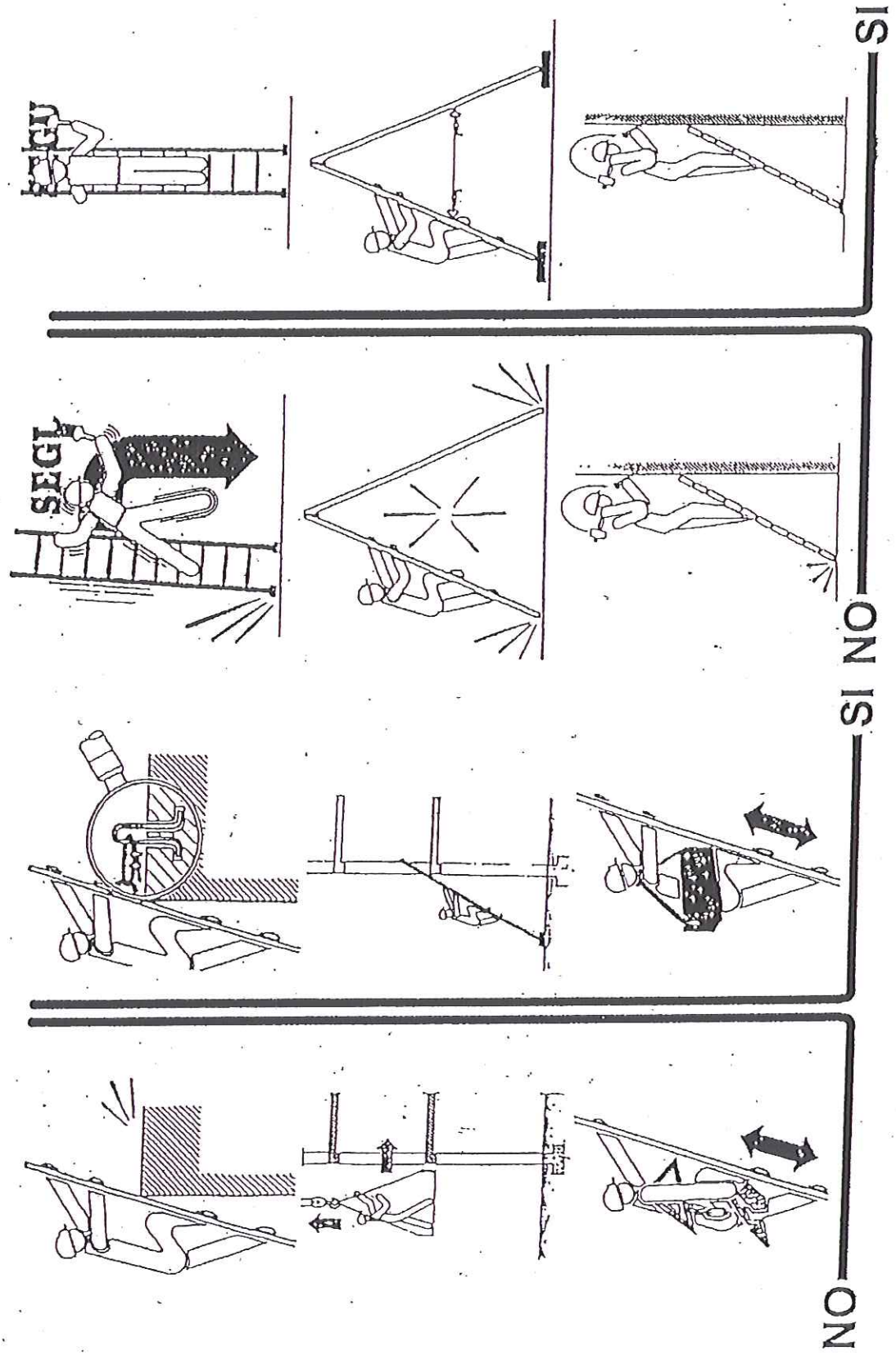
PELIGRO CAMIONES

SEÑALES DE ADVERTENCIA DE PELIGRO

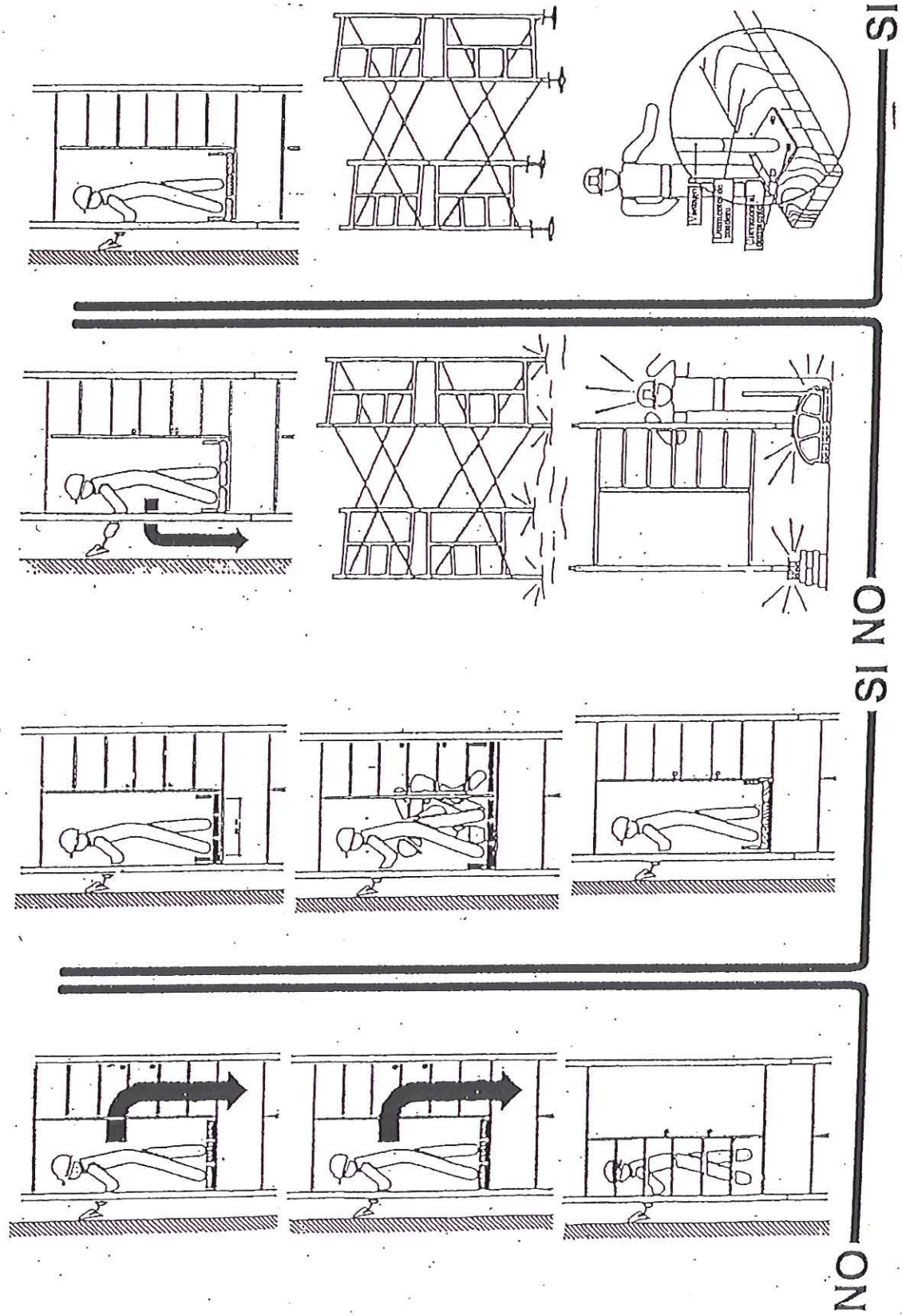


DIMENSIONES EN mm		
L	L1	m
594	492	30
420	348	21
297	246	15
210	174	11
148	121	8
105	87	5

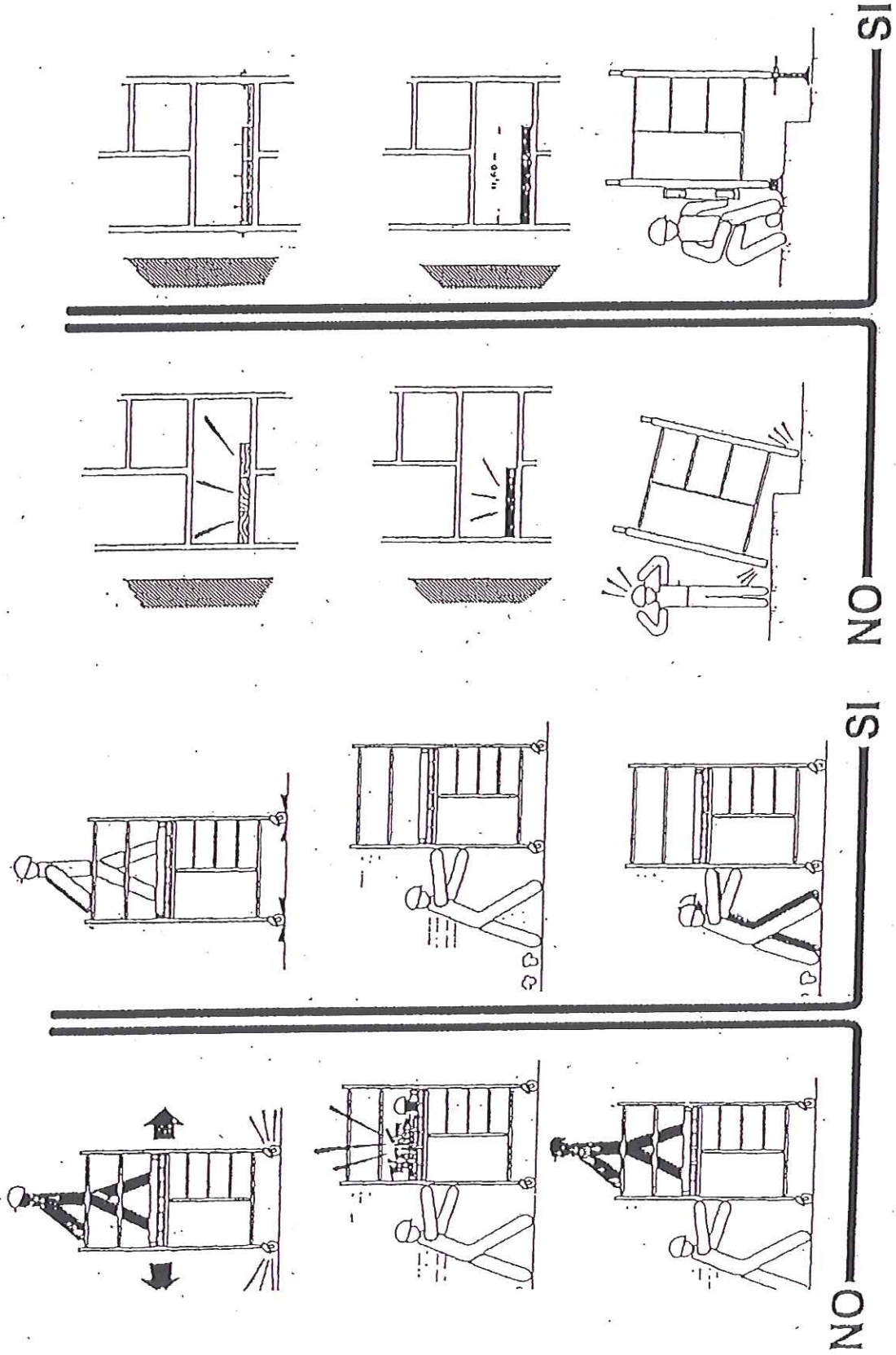
ESCALERAS DE MANO - DETALLES



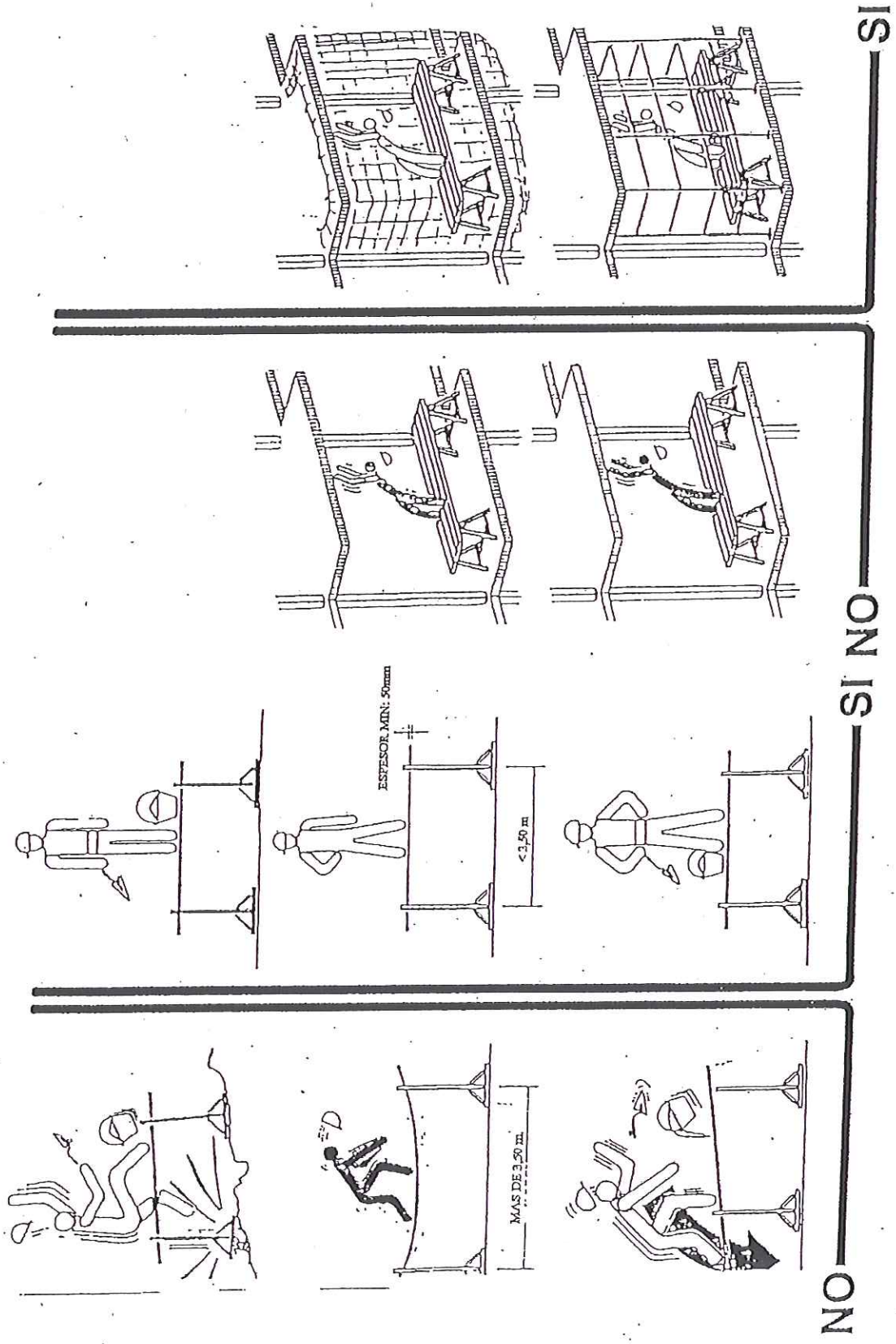
ANDAMIOS FIJOS



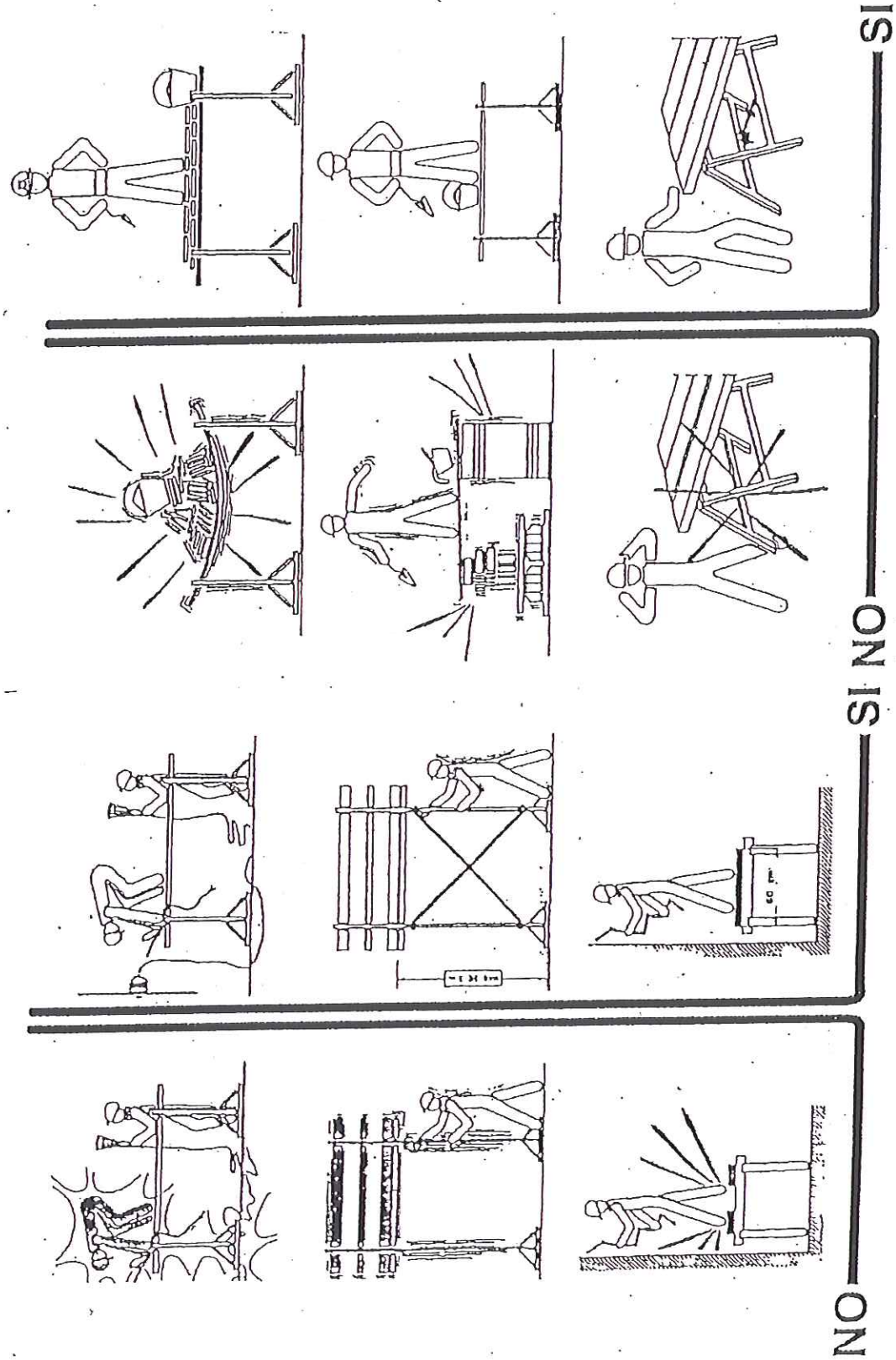
DETALLES DE TRABAJO EN ANDAMIOS



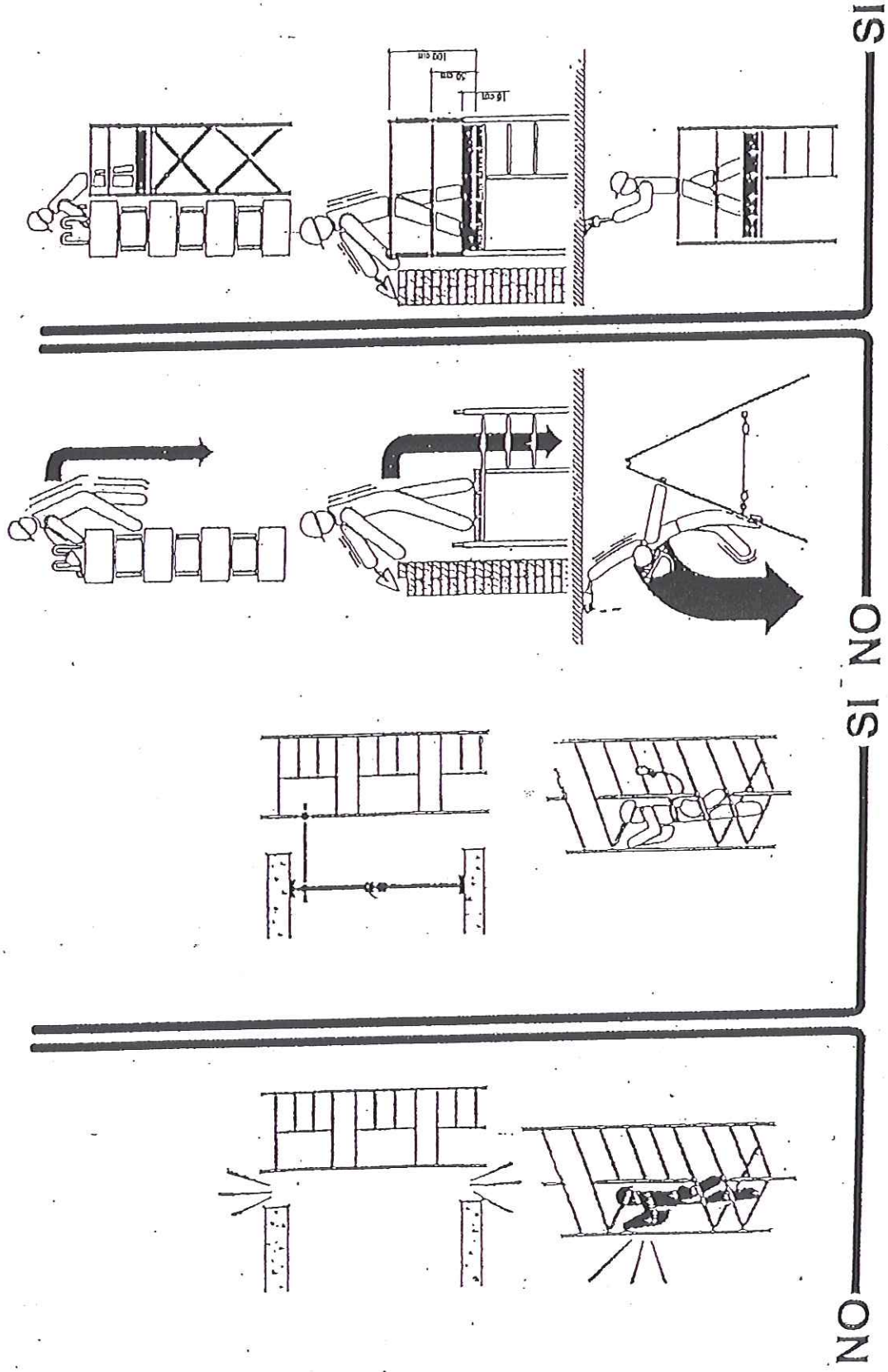
ANDAMIOS DE BORRIQUETAS - CONDICIONES DE TRABAJO



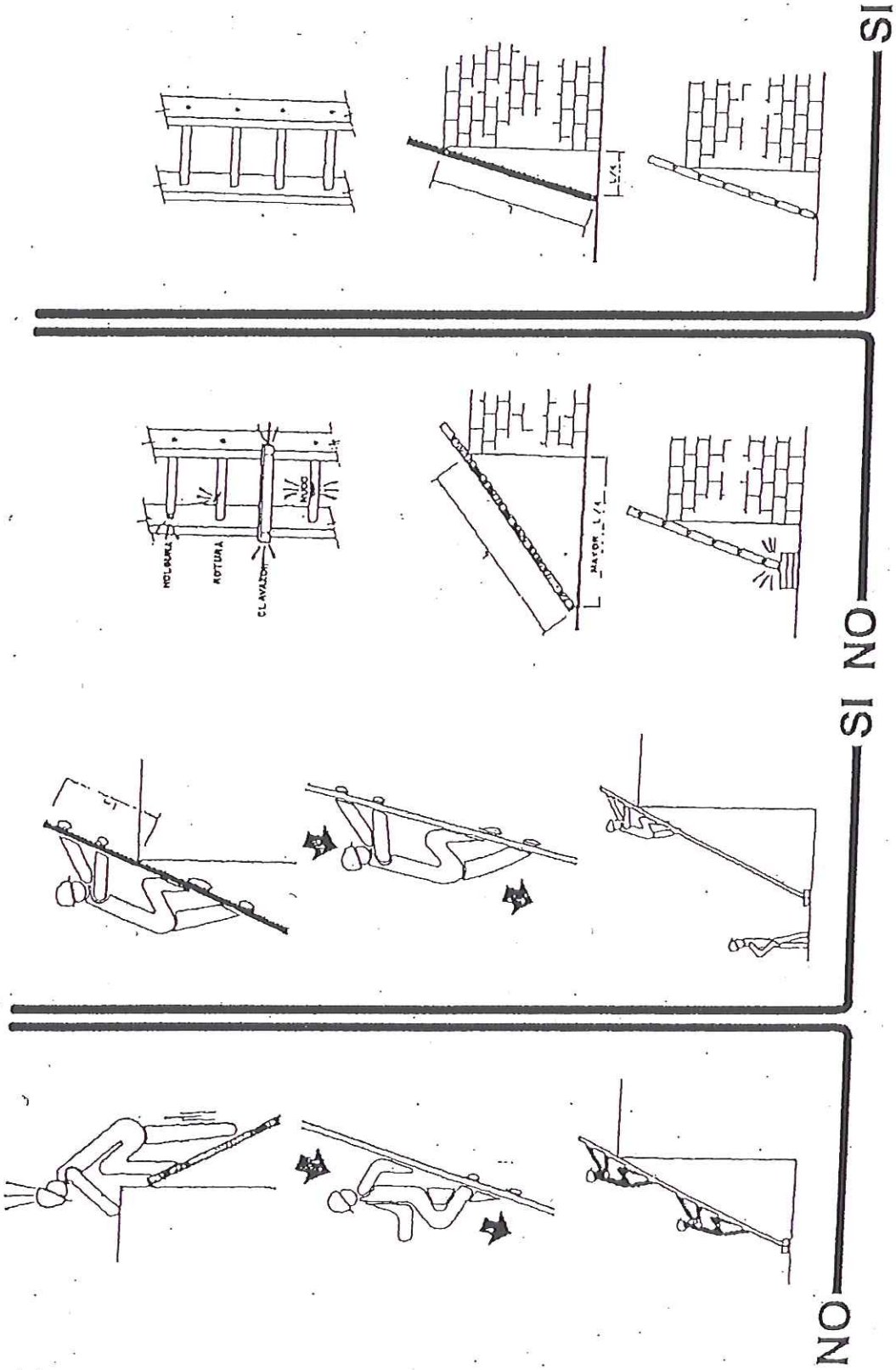
ANDAMIOS DE BORRIQUETAS - CONDICIONES DE TRABAJO



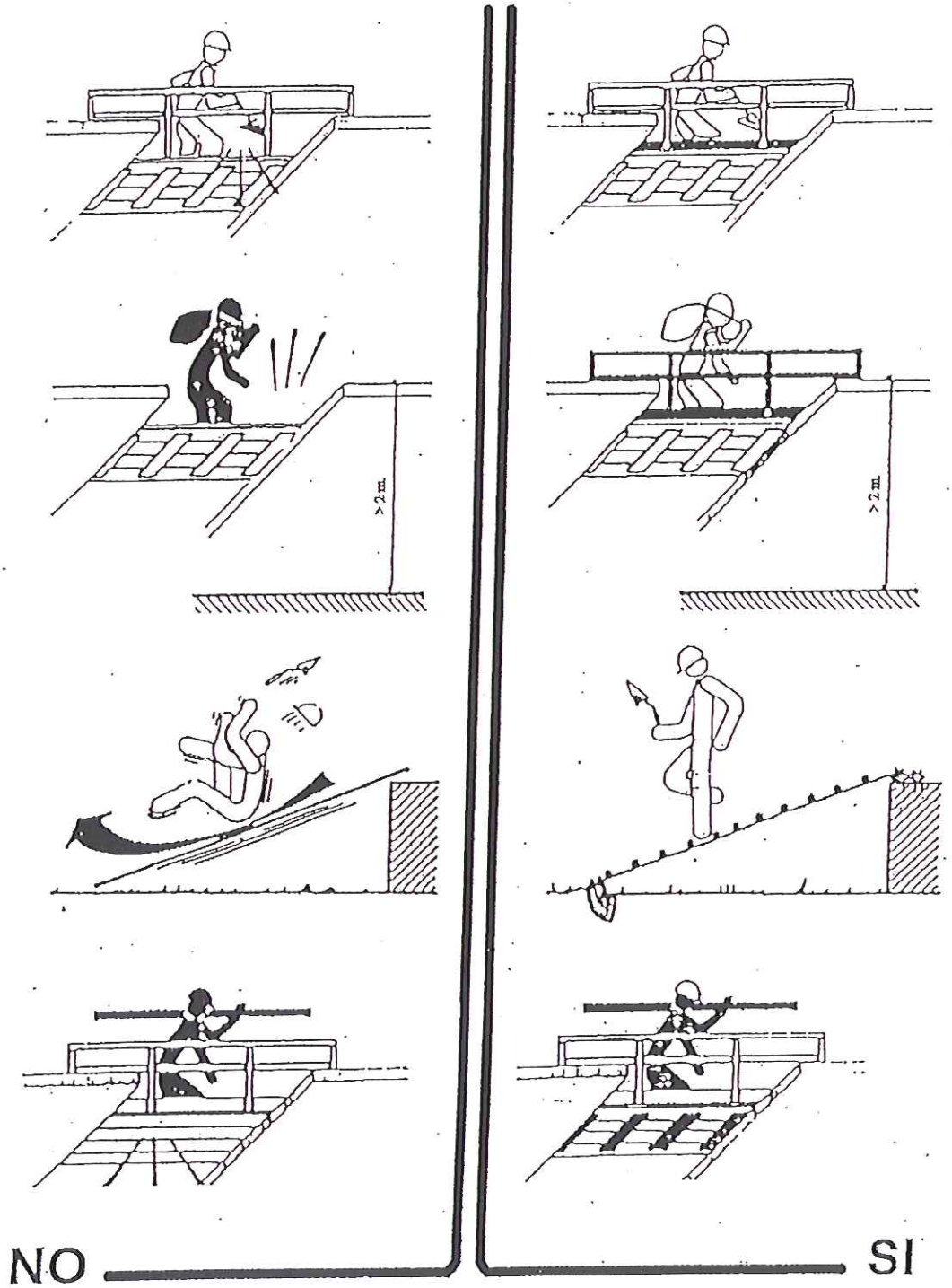
DETALLES DE TRABAJO EN ANDAMIOS



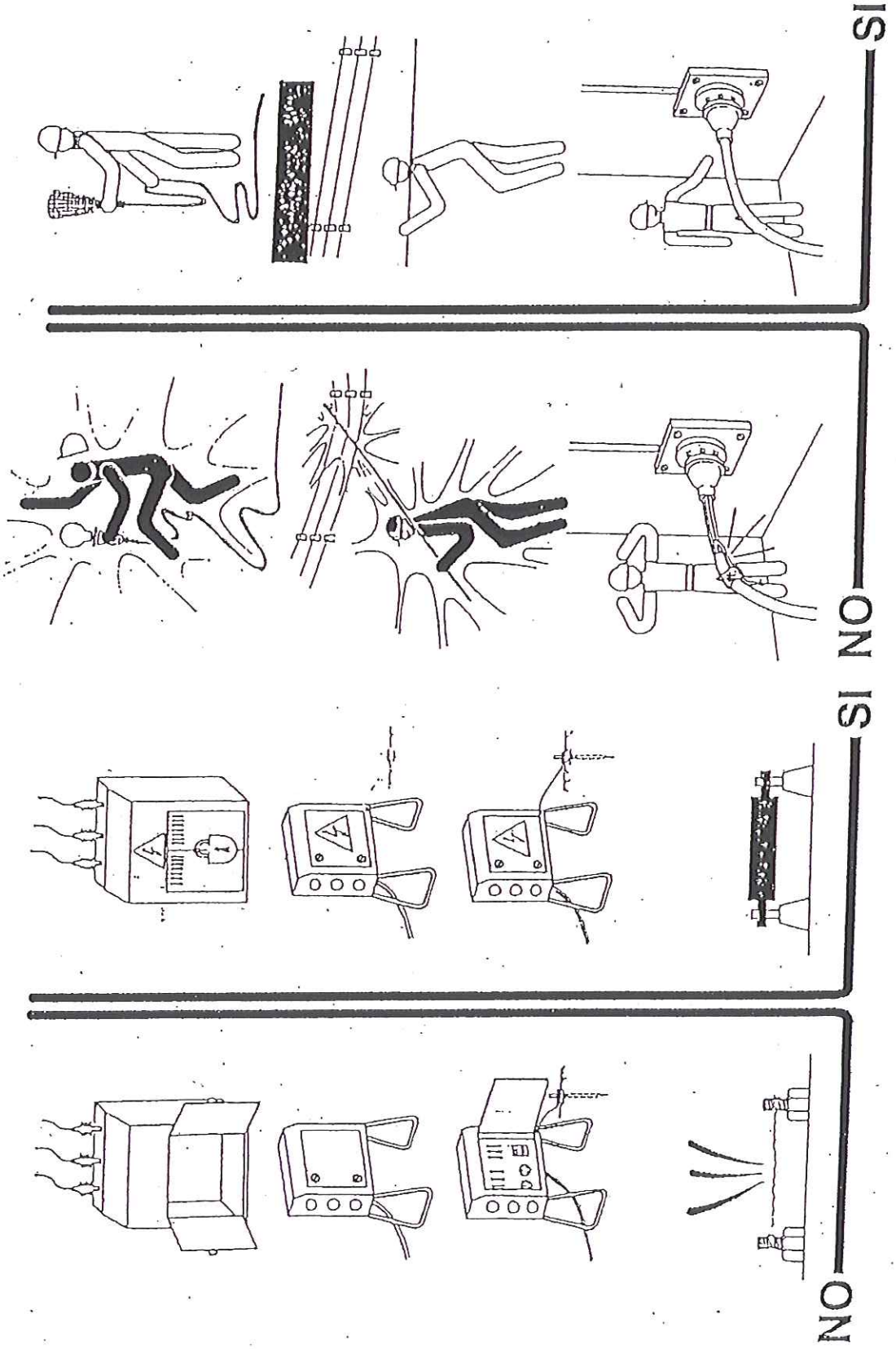
ESCALERAS DE MANO - DETALLES



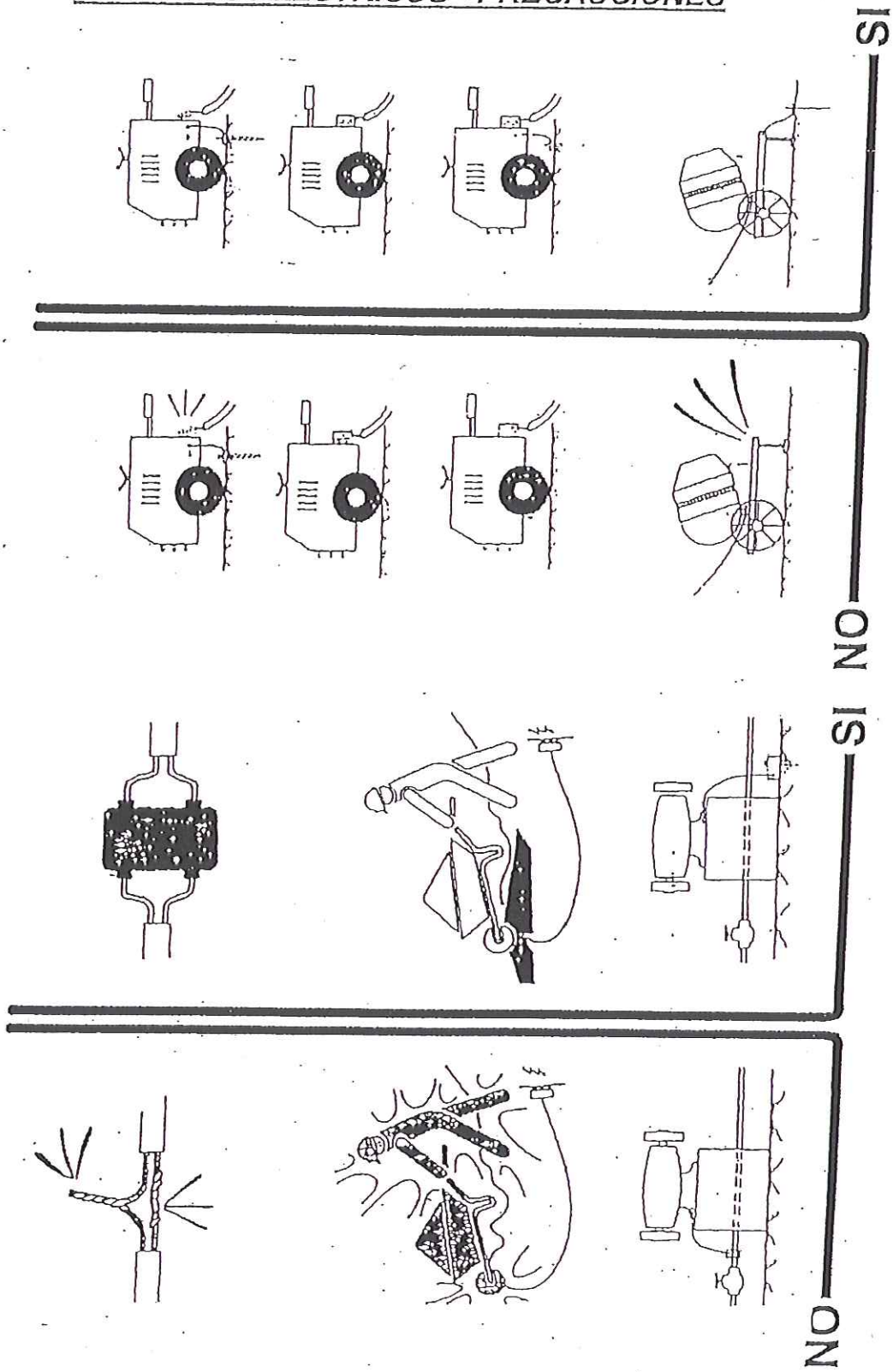
DETALLES DE PASO POR PASARELAS



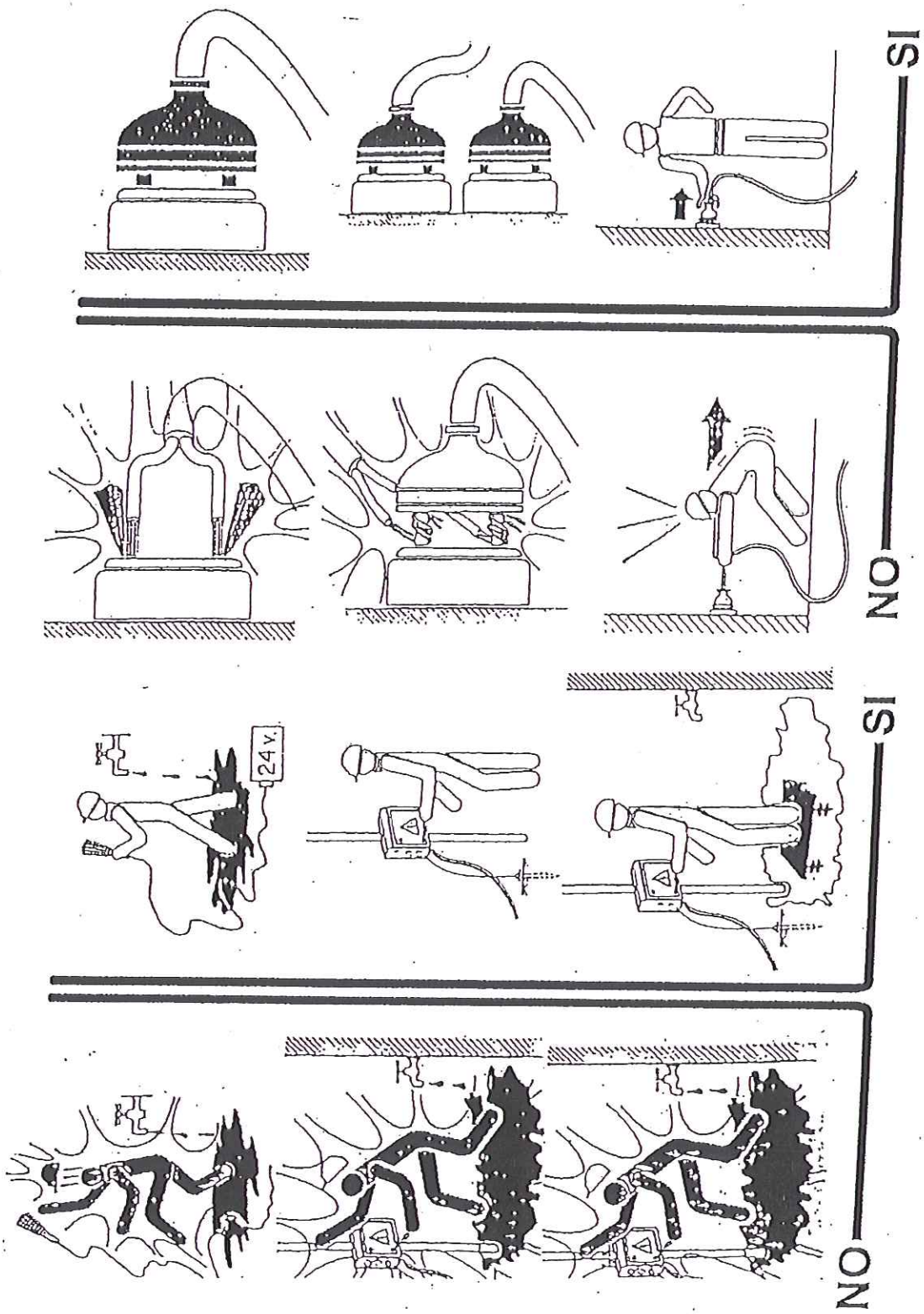
TRABAJOS ELECTRICOS - PRECAUCIONES



TRABAJOS ELECTRICOS - PRECAUCIONES



TRABAJOS ELECTRICOS - PRECAUCIONES

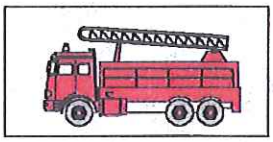


TELEFONOS DE EMERGENCIA

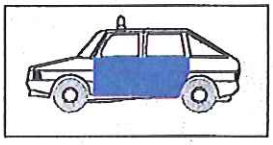
DIRECCION DE LA OBRA

_____

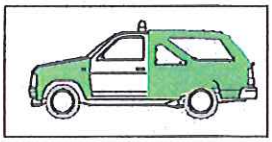
_____



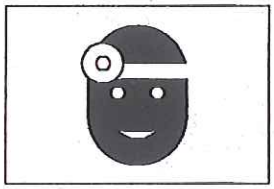
BOMBEROS



POLICIA NACIONAL



GUARDIA CIVIL



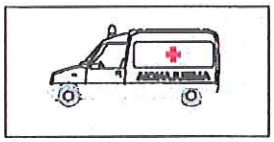
SERVICIO MEDICO

ferrovial

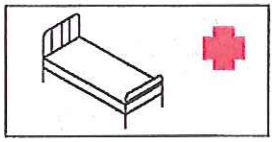
Dr. _____

MEDICO ASISTENCIAL PARA LA OBRA

Dr. _____



AMBULANCIAS



HOSPITALES

SERVICIO DE PREVENCIÓN

SEÑALES I

RP-015

RP-035

RP-080

RP-105

RP-106

RP-170

RP-195

RP-205

RP-206

RO-020

RO-025

RO-035

RO-045

RO-105

RO-115

RO-120

RO-125

SERVICIO DE PREVENCIÓN

SEÑALES II

RO-145

RO-185

RO-250

RO-255

RA-005

RA-045

RA-050

RA-106

RA-070

RA-235

RA-240

RA-245

RA-260

RA-261

RA-295

RA-305

RA-345

RA-346

CBB

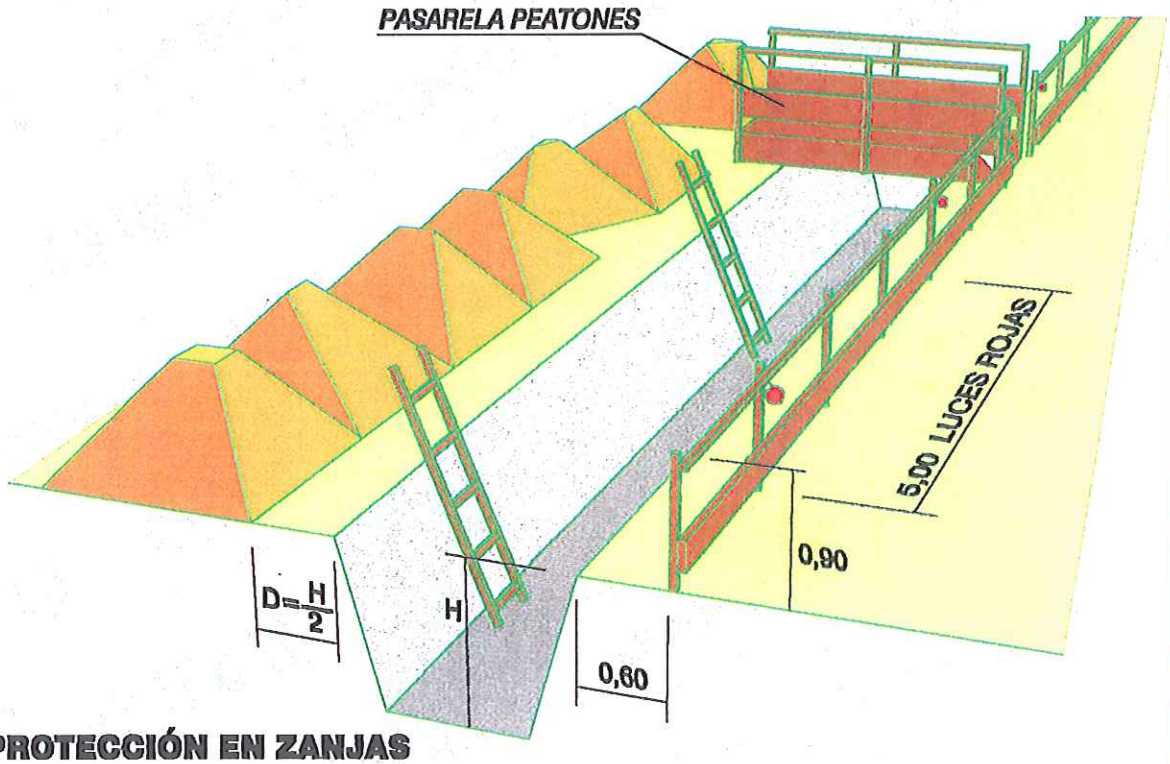
ST-020

R1-005

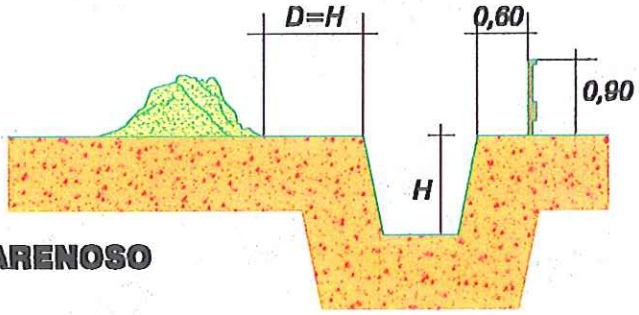
R1-205

SERVICIO DE PREVENCIÓN

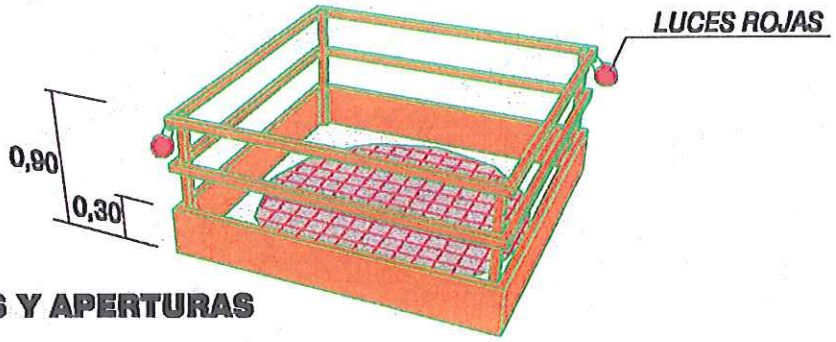
TIPOS DE PROTECCIONES



PROTECCIÓN EN ZANJAS



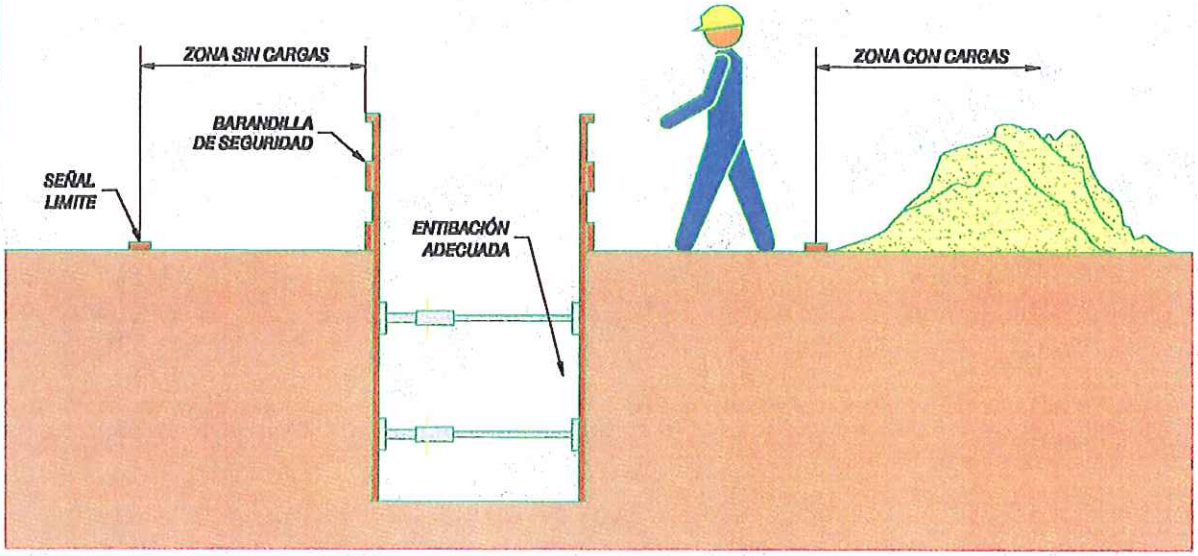
EN TERRENO ARENOSO

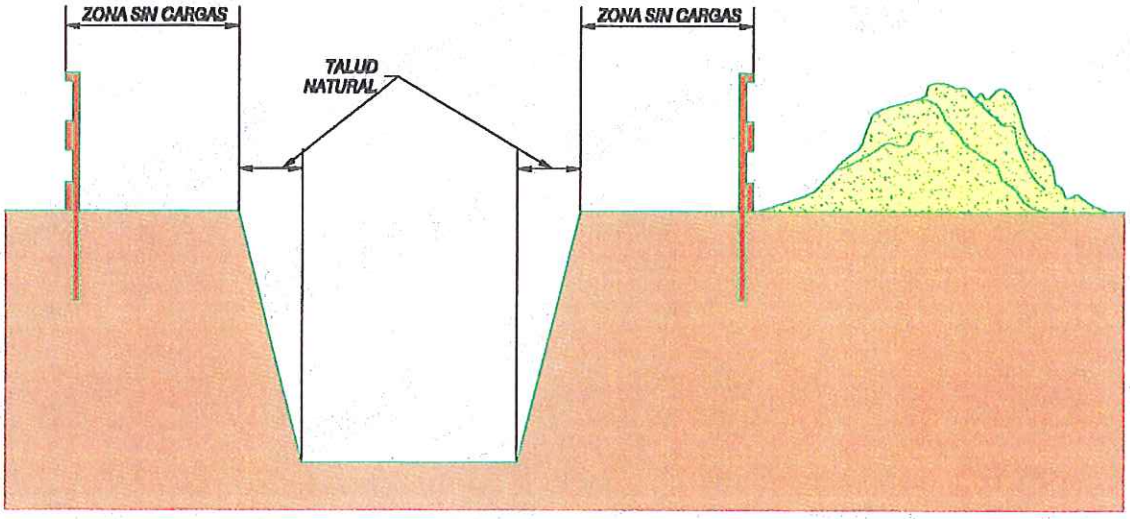


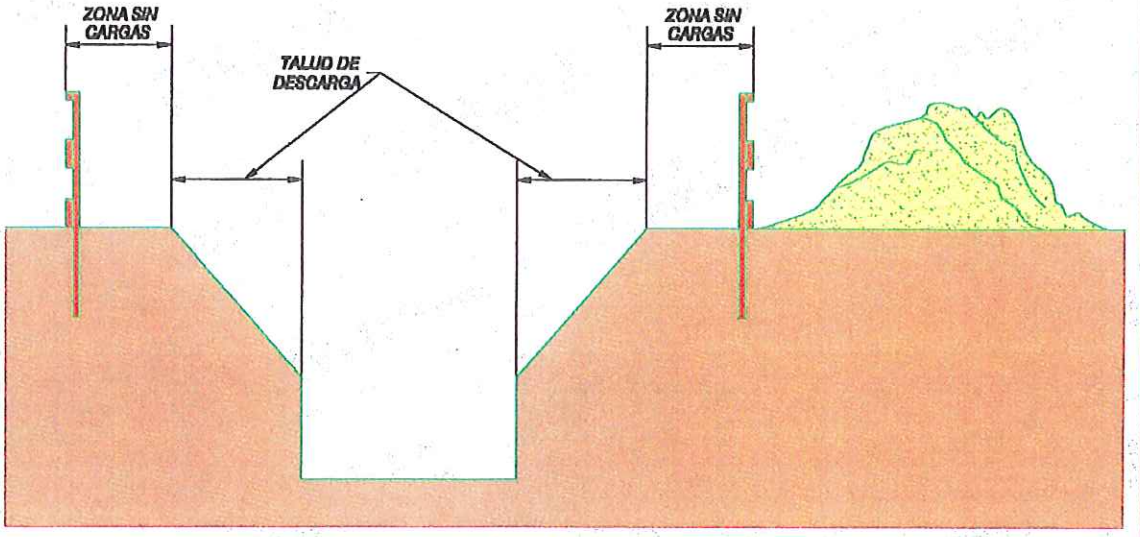
EN HUECOS Y APERTURAS

SERVICIO DE PREVENCIÓN

PROTECCIÓN ZANJAS

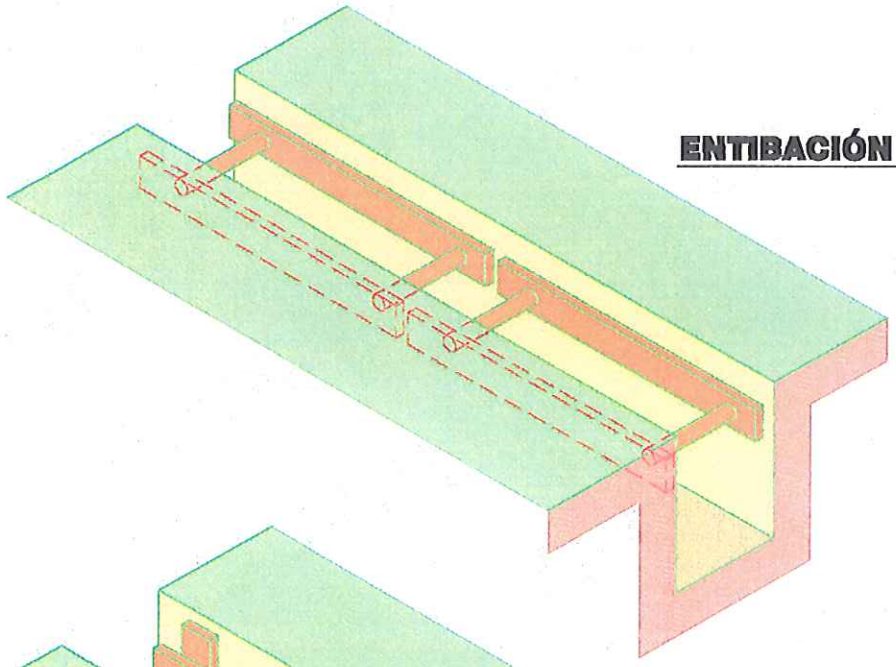




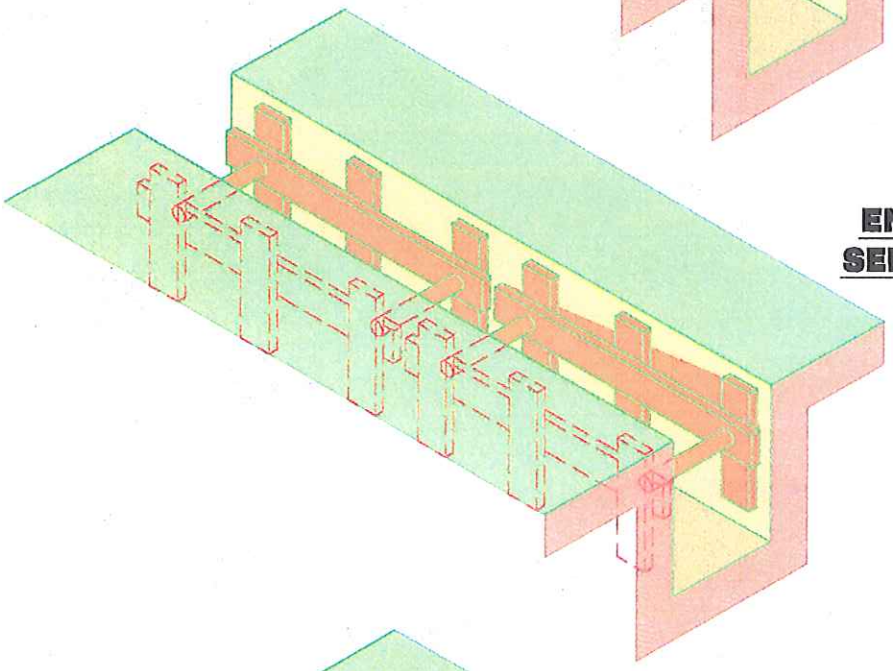


SERVICIO DE PREVENCIÓN

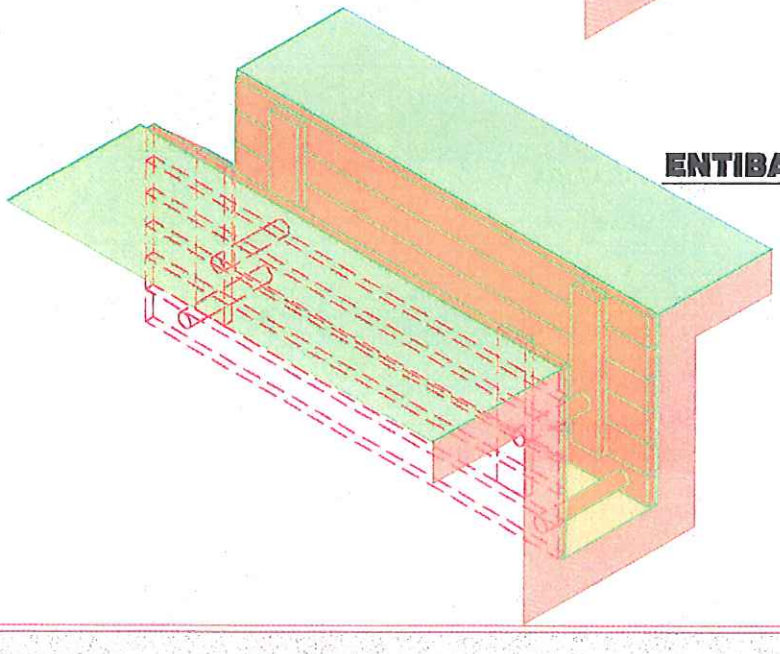
ENTIBACIONES



ENTIBACIÓN LIGERA



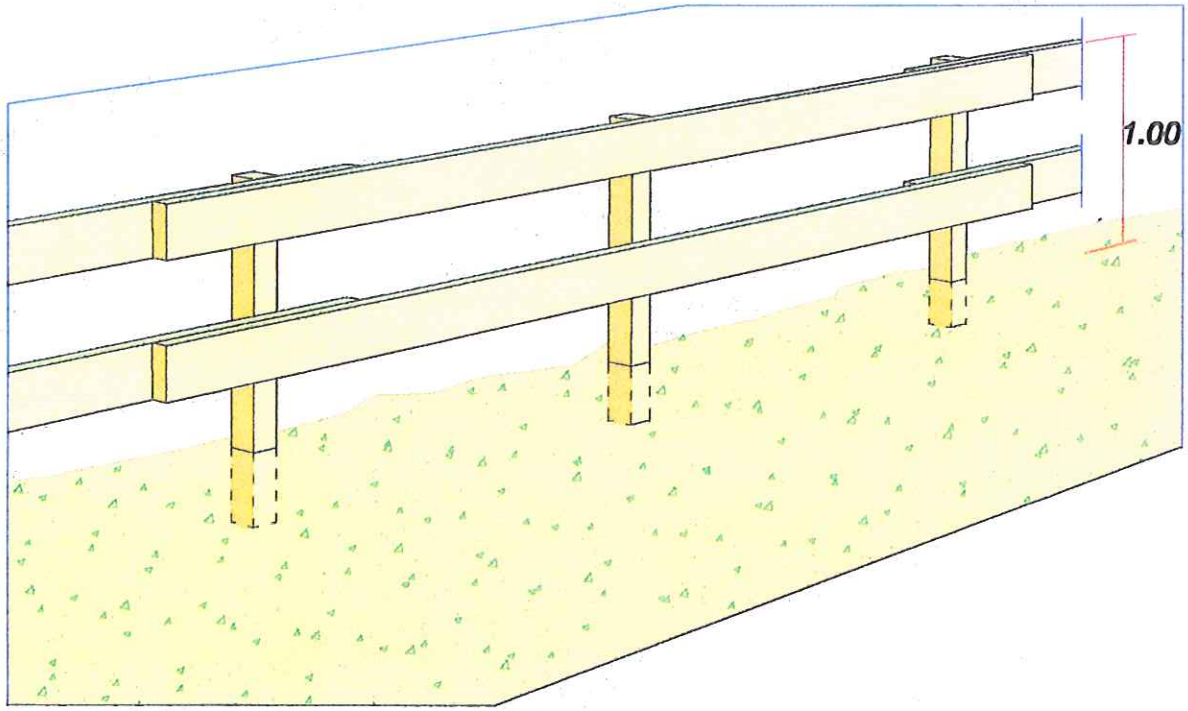
ENTIBACIÓN SEMICUAJADA



ENTIBACIÓN CUAJADA

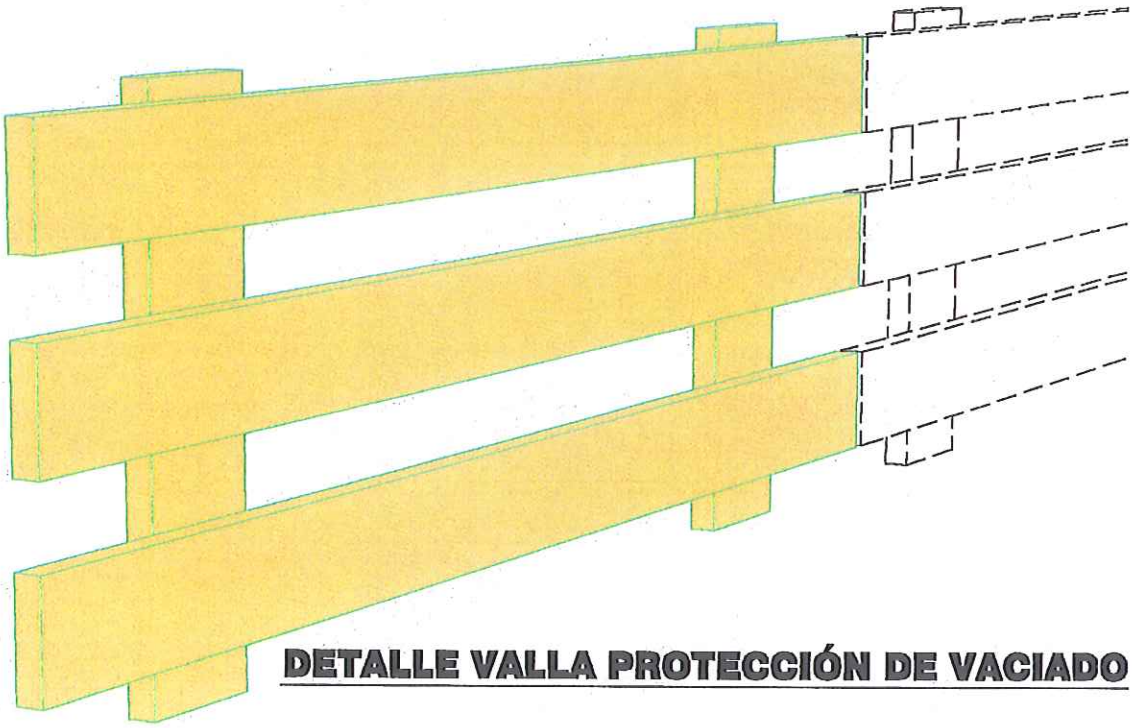
SERVICIO DE PREVENCIÓN

BARANDILLA DE PROTECCIÓN

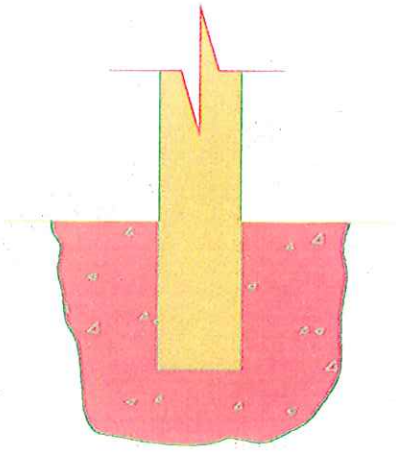


SERVICIO DE PREVENCIÓN

VALLA DE PROTECCIÓN



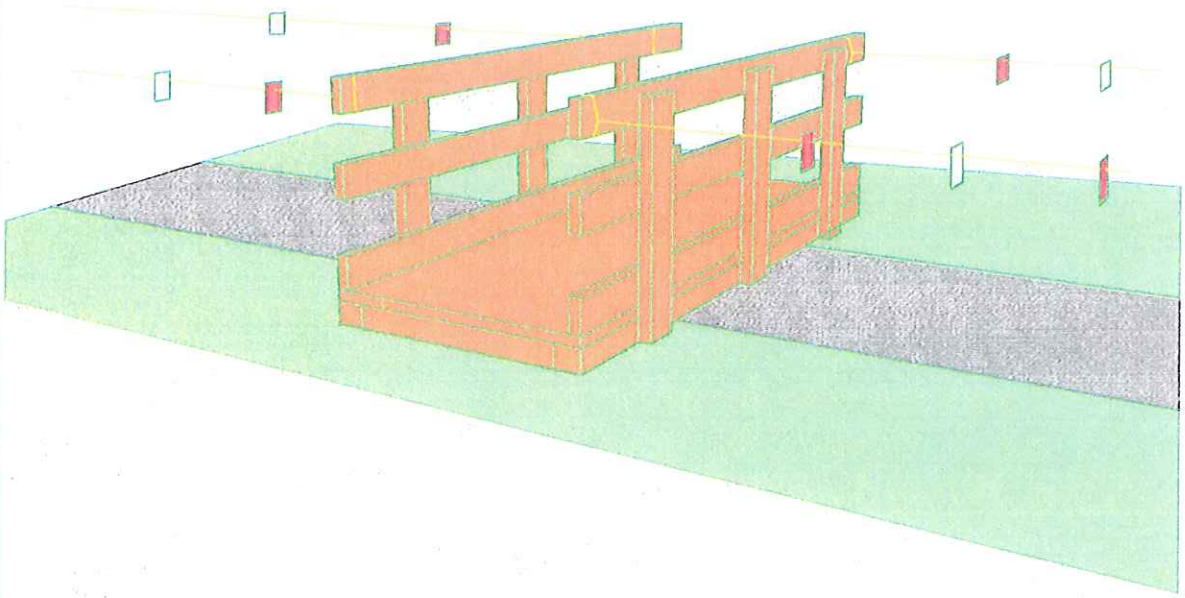
DETALLE VALLA PROTECCIÓN DE VACIADO



DETALLE ANCLAJE TERRENO

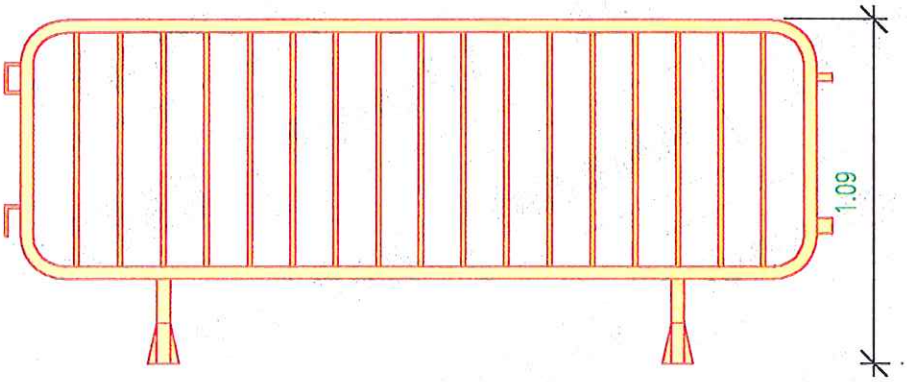
SERVICIO DE PREVENCIÓN

PASARELA

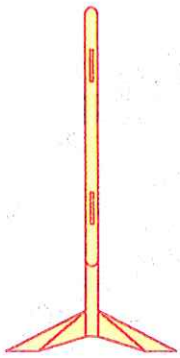


SERVICIO DE PREVENCIÓN

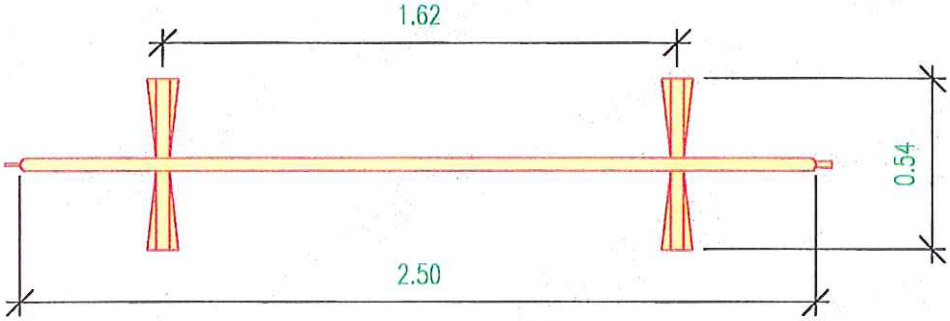
VALLA MÓVIL DE PROTECCIÓN Y PROHIBICIÓN DE PASO



ALZADO



PERFIL

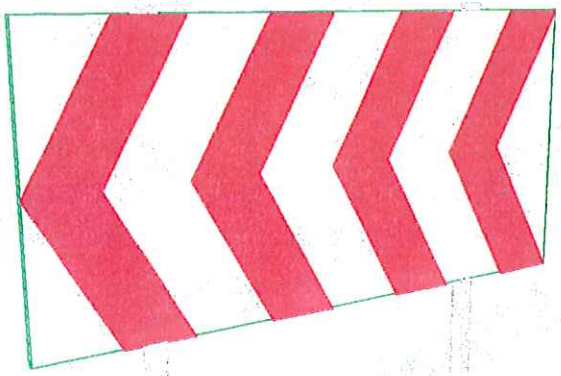


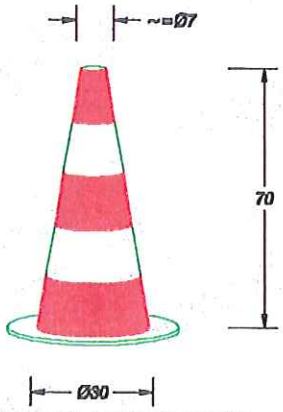
PLANTA

PERSPECTIVA

SERVICIO DE PREVENCIÓN

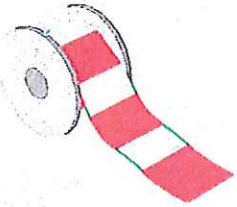
SEÑALIZACIÓN BALIZAMIENTO



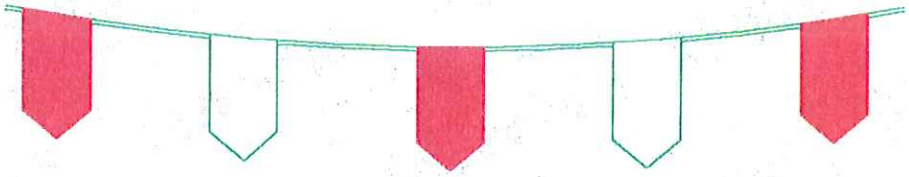


CONO BALIZAMIENTO

VALLAS DESVIO TRÁFICO



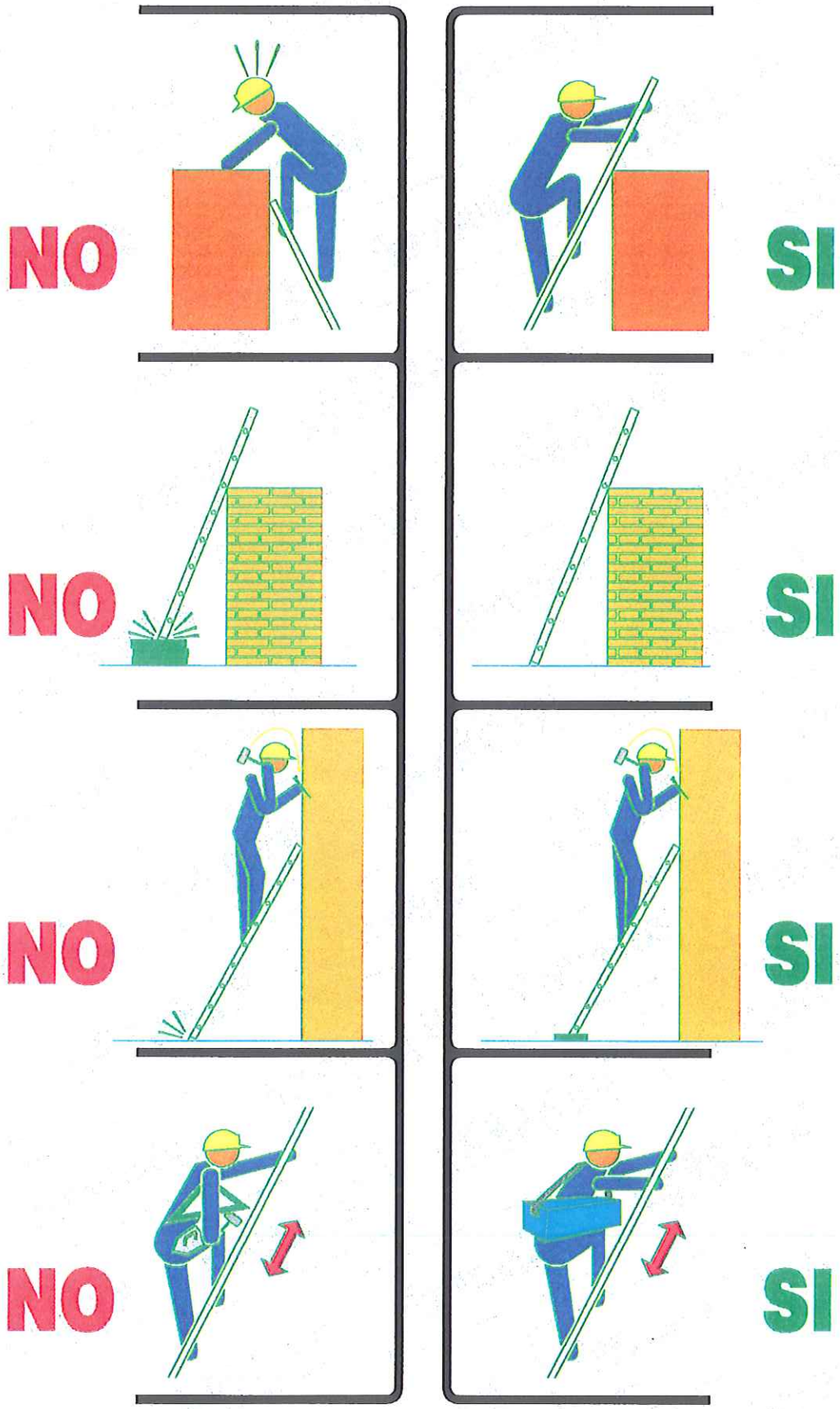
CINTA BALIZAMIENTO



CORDÓN BALIZAMIENTO

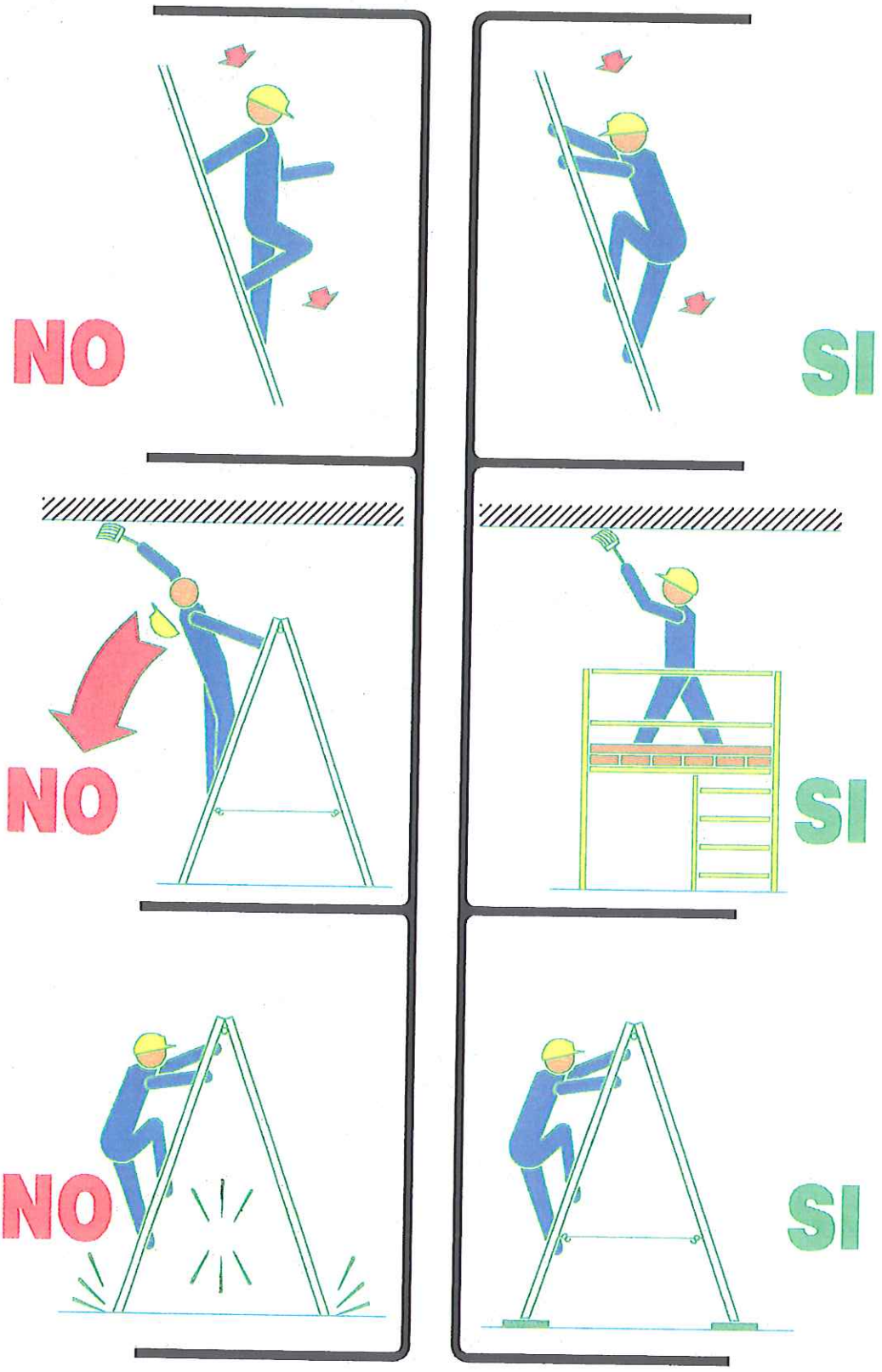
SERVICIO DE PREVENCIÓN

POSICIONES CORRECTAS I



SERVICIO DE PREVENCIÓN

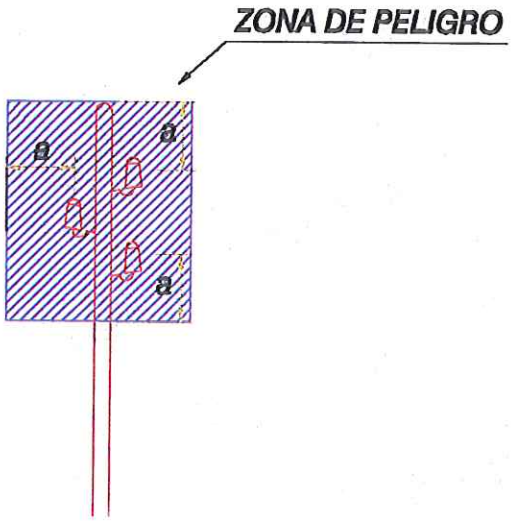
POSICIONES CORRECTAS II

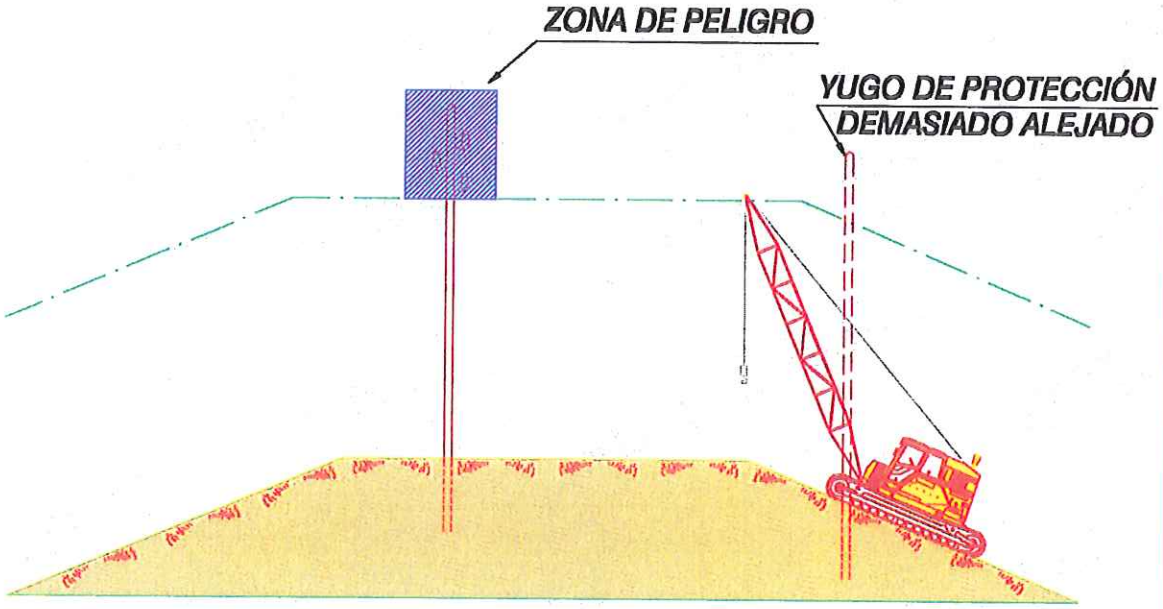


SERVICIO DE PREVENCIÓN

PASO BAJO LÍNEAS AÉREAS DE TENSIÓN

(Depresiones del terreno o terraplenes)





a=3m. para T<66.000 Voltios

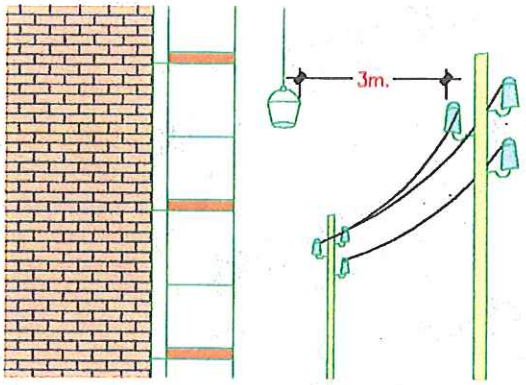
a=5m. para T>66.000 Voltios

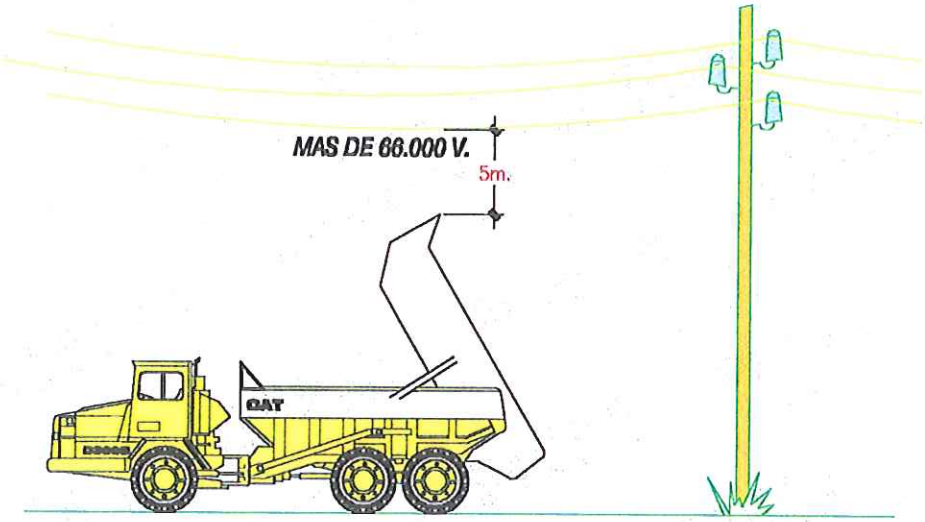
Es necesario tener muy presente en los yugos de proteción, las depresiones del terreno o terraplenes, dado que una protección demasiado alejada puede ser totalmente ineficaz.

SERVICIO DE PREVENCIÓN

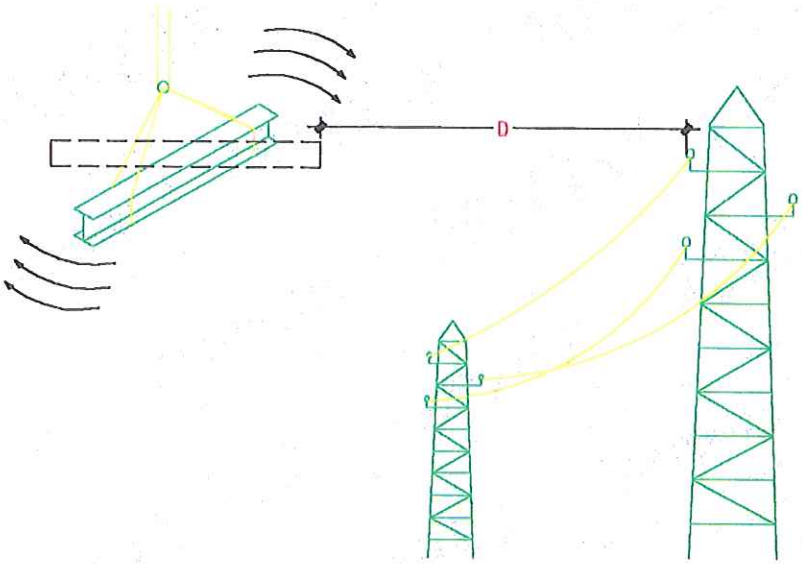
DISTANCIAS DE SEGURIDAD RESPECTO DE LINEAS AÉREAS ELÉCTRICAS

MENOS DE 66.000 V.





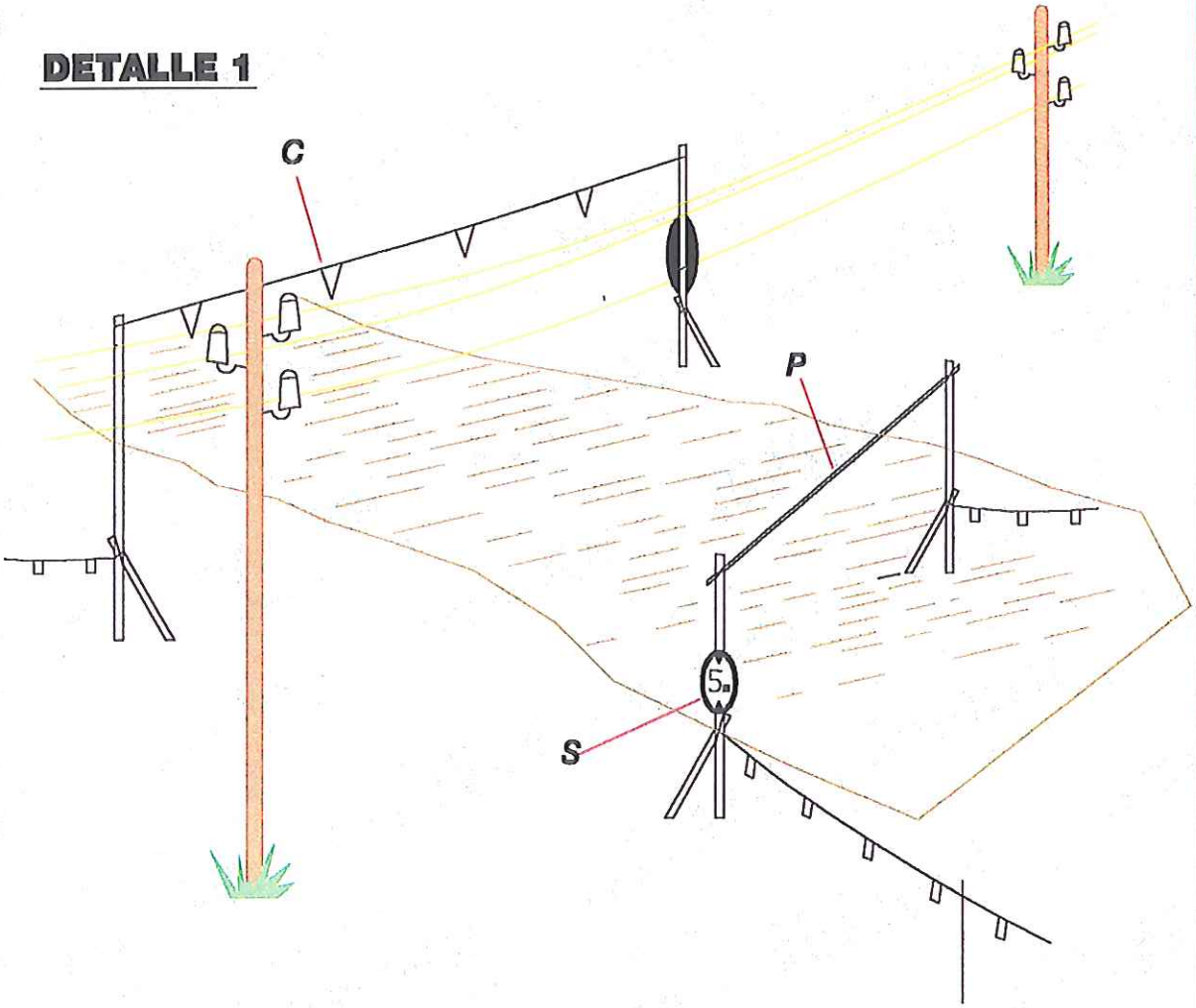
SIEMPRE TENER EN CUENTA LA SITUACIÓN MAS DESFABOREBLE.



SERVICIO DE PREVENCIÓN

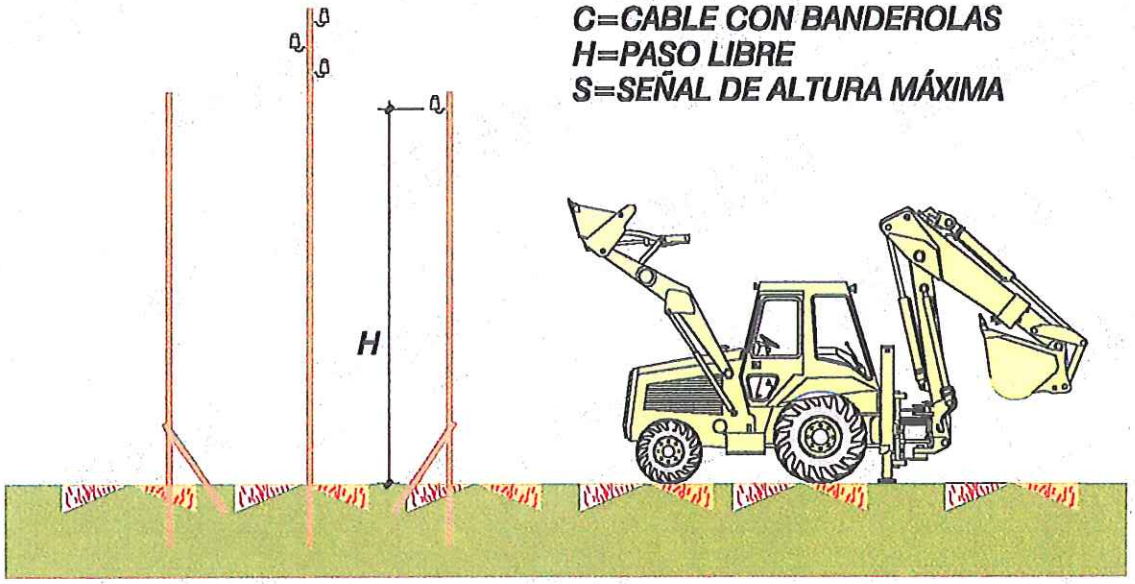
PORTICO DE BALIZAMIENTO DE LÍNEAS ELÉCTRICAS AÉREAS

DETALLE 1



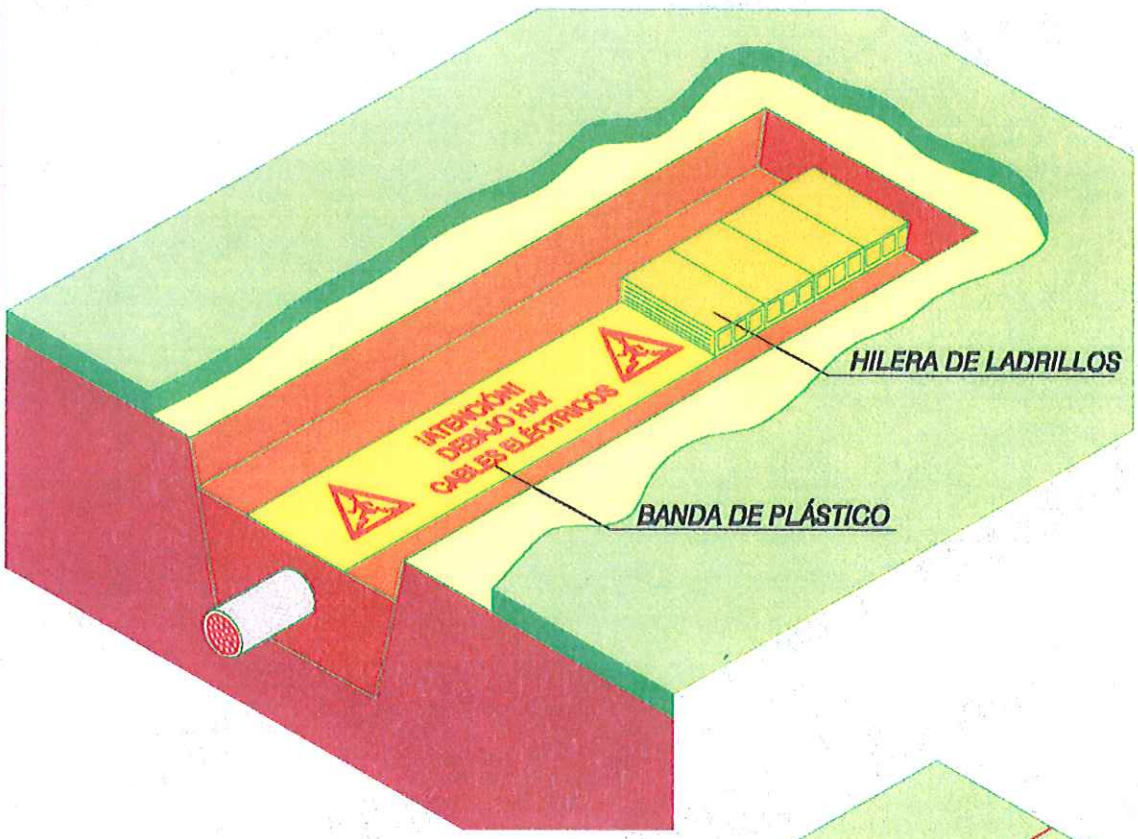
DETALLE 2

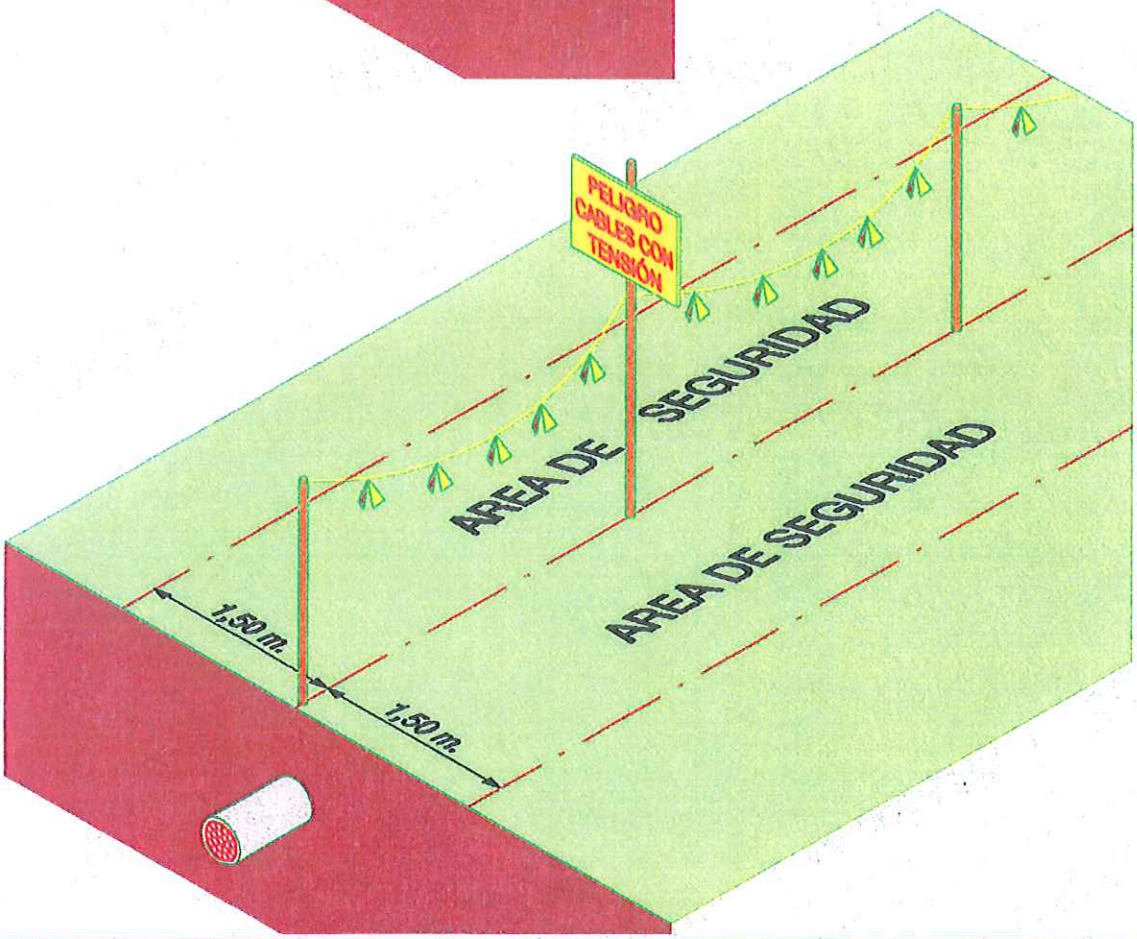
P=PERTIGA
C=CABLE CON BANDEROLAS
H=PASO LIBRE
S=SEÑAL DE ALTURA MÁXIMA



SERVICIO DE PREVENCIÓN

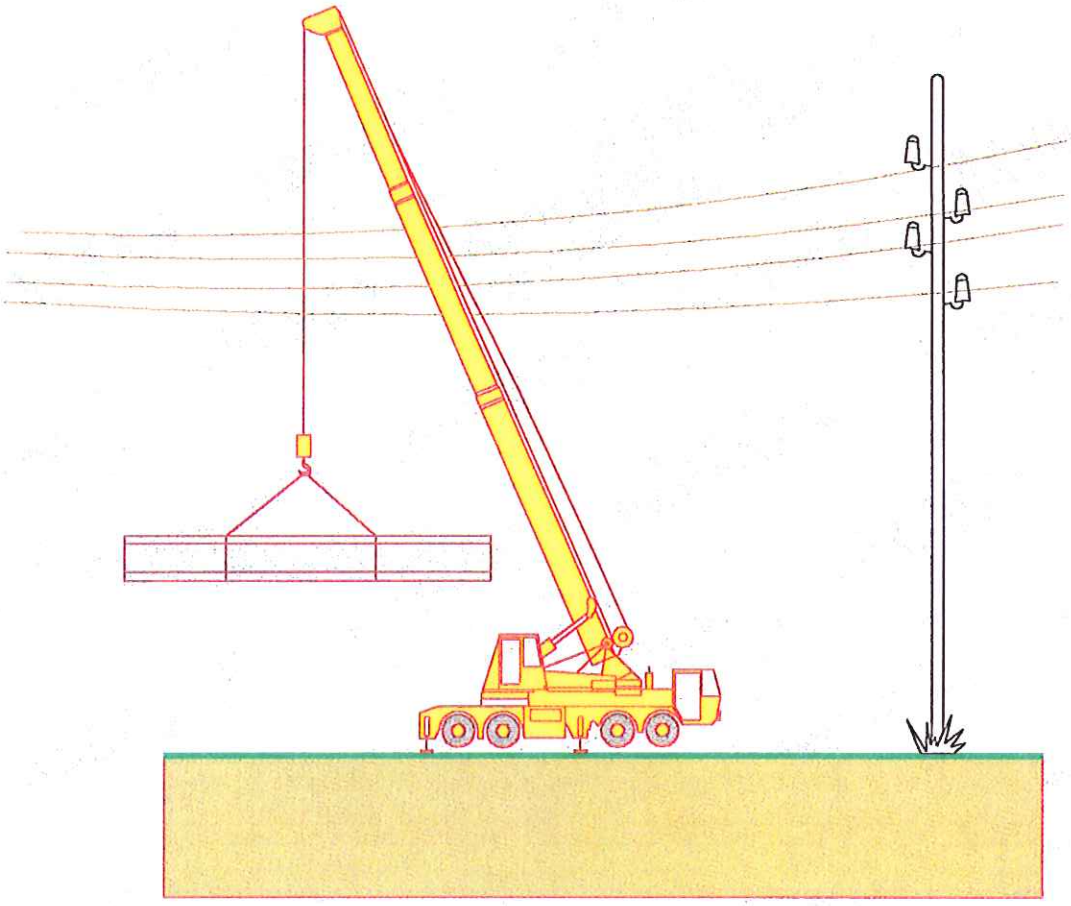
SEÑALIZACIÓN Y PROTECCIÓN DE CONDUCCIONES ELÉCTRICAS

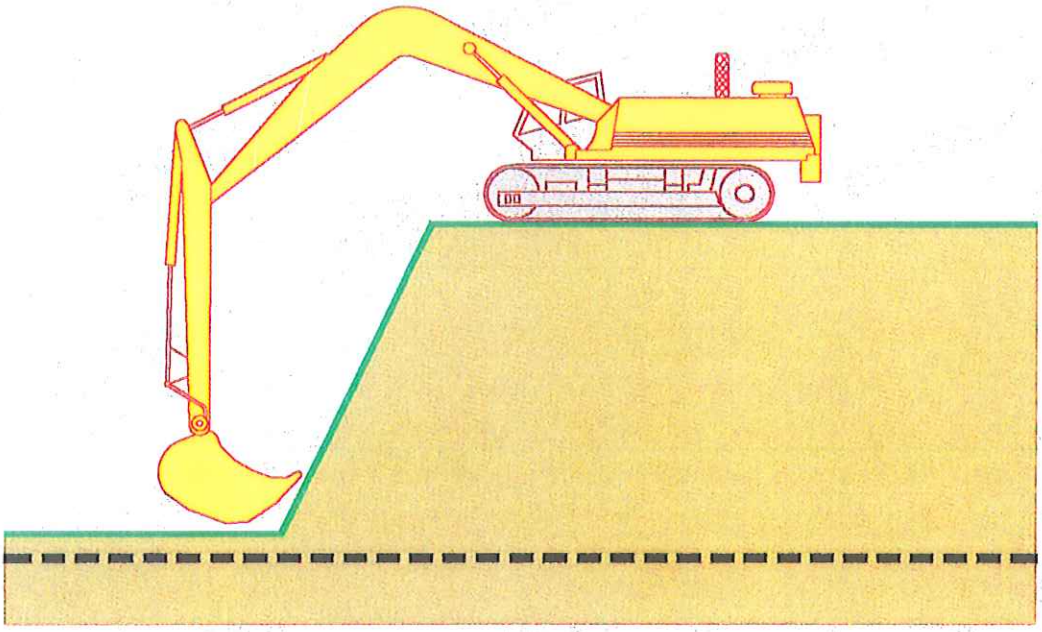




SERVICIO DE PREVENCIÓN

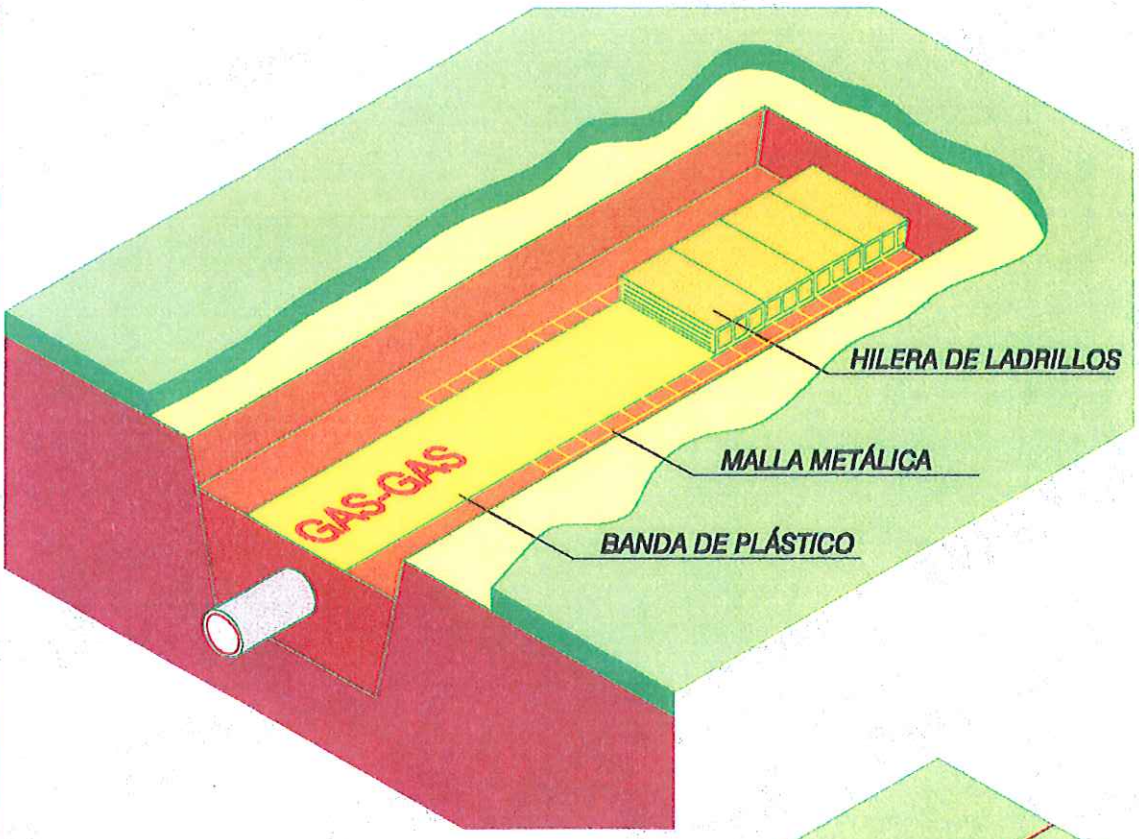
¡PELIGRO!
PROXIMIDAD TENDIDO ELÉCTRICO

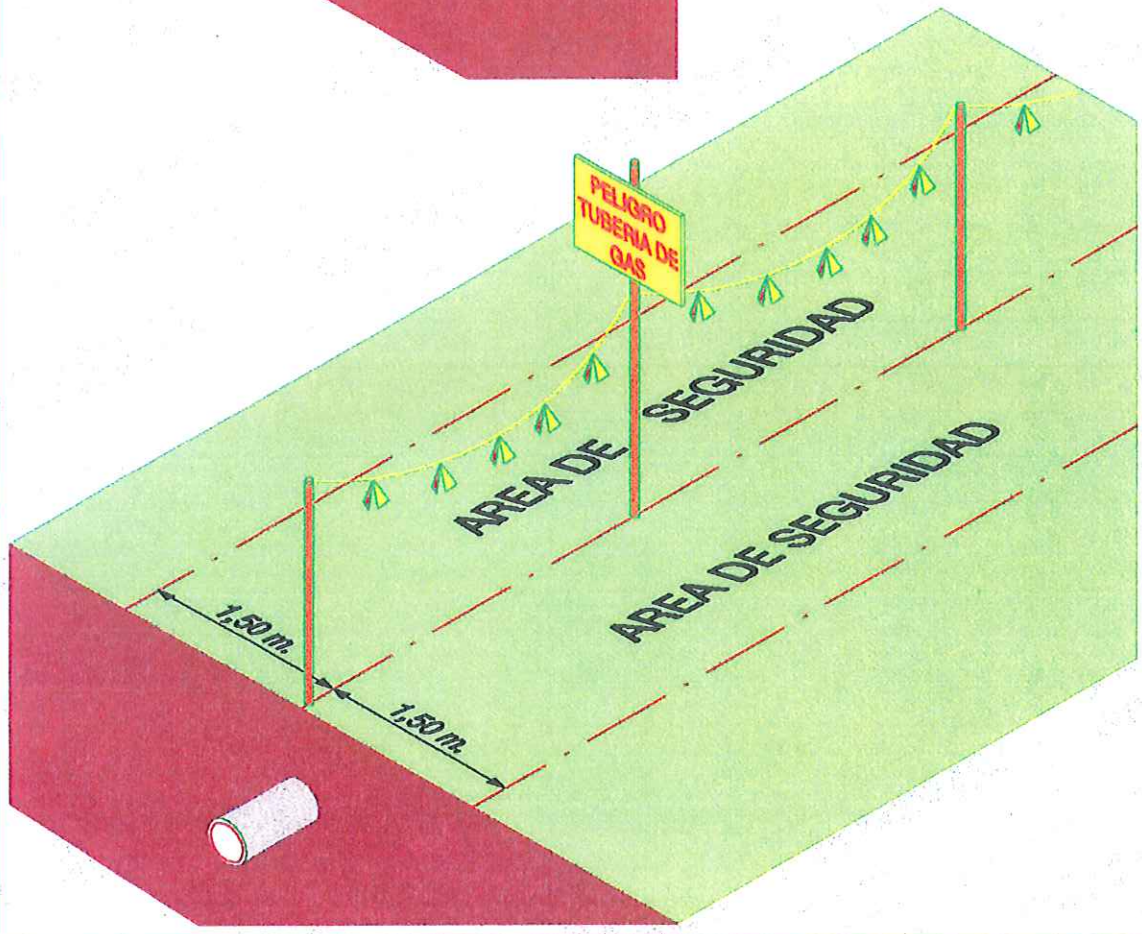




SERVICIO DE PREVENCIÓN

SEÑALIZACIÓN Y PROTECCIÓN DE CONDUCCIONES DE GAS

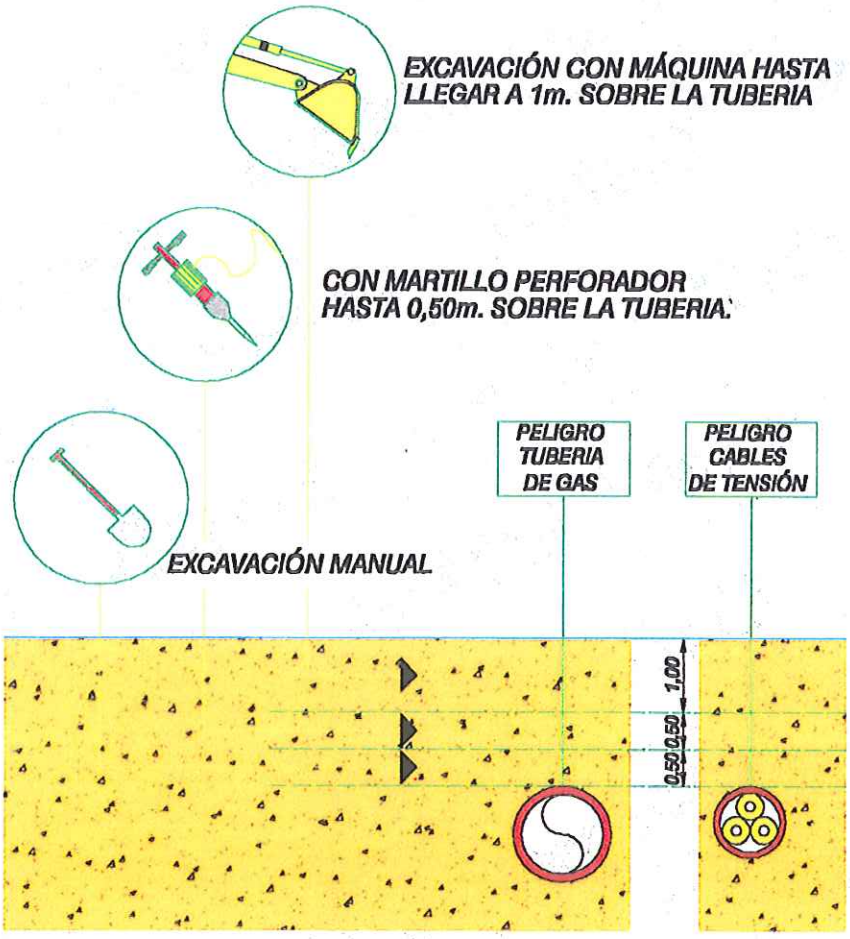




SERVICIO DE PREVENCIÓN

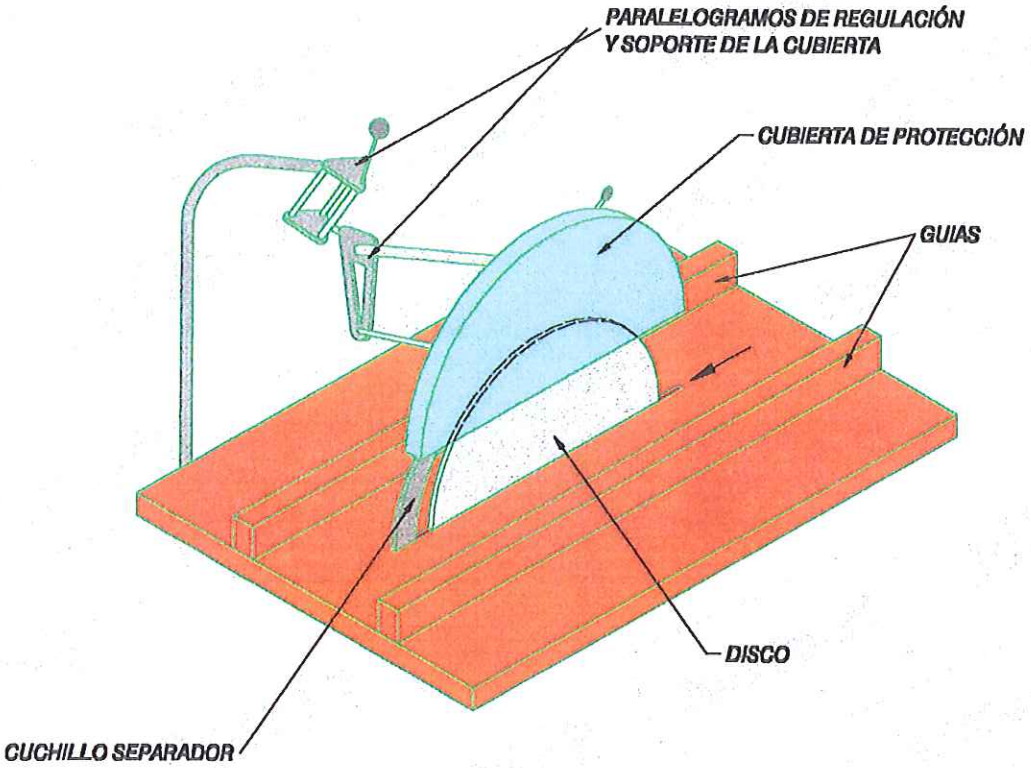
DISTÁNCIAS MÁXIMAS DE SEGURIDAD EN EXCAVACIONES

DISTÁNCIAS MÁXIMAS DE SEGURIDAD RECOMENDABLES EN TRABAJOS DE EXCAVACIÓN SOBRE CONDUCCIONES DE GAS Y ELECTRICIDAD



SERVICIO DE PREVENCIÓN

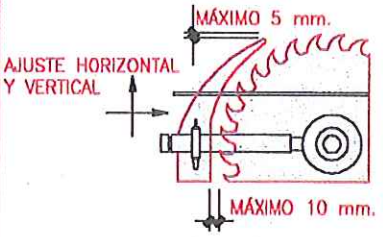
SIERRA CIRCULAR FIJA PROTECCIÓN

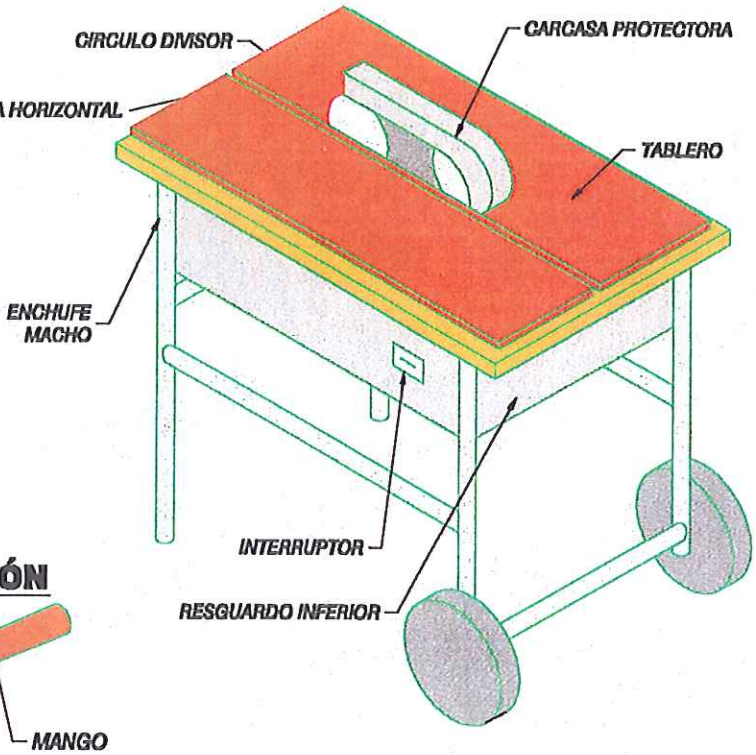


SERVICIO DE PREVENCIÓN

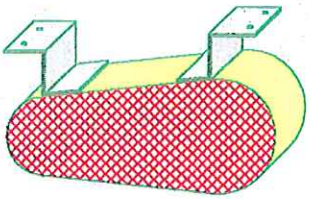
SIERRA CIRCULAR FIJA

CUCHILLO DIVISOR

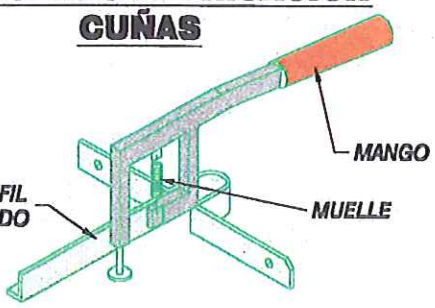




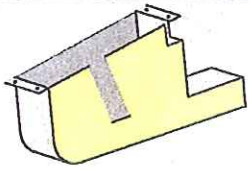
CARENADO INFERIOR



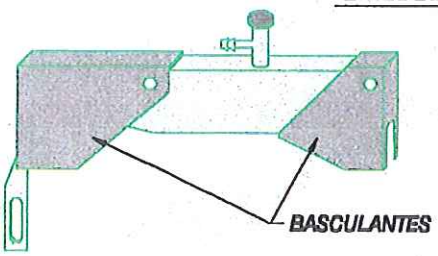
DISPOSITIVO FABRICACIÓN CUÑAS

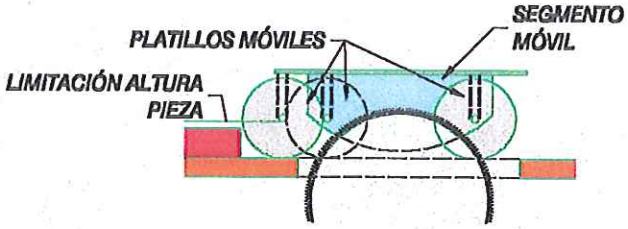


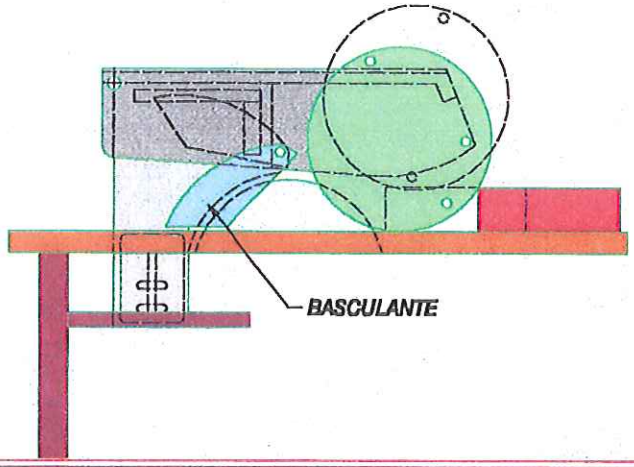
RESGUARDO INFERIOR

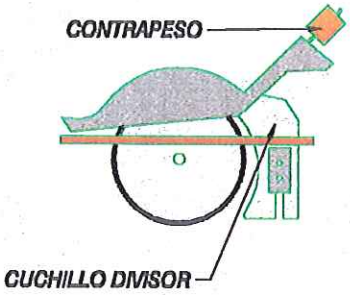


CARCASAS PROTECTORAS



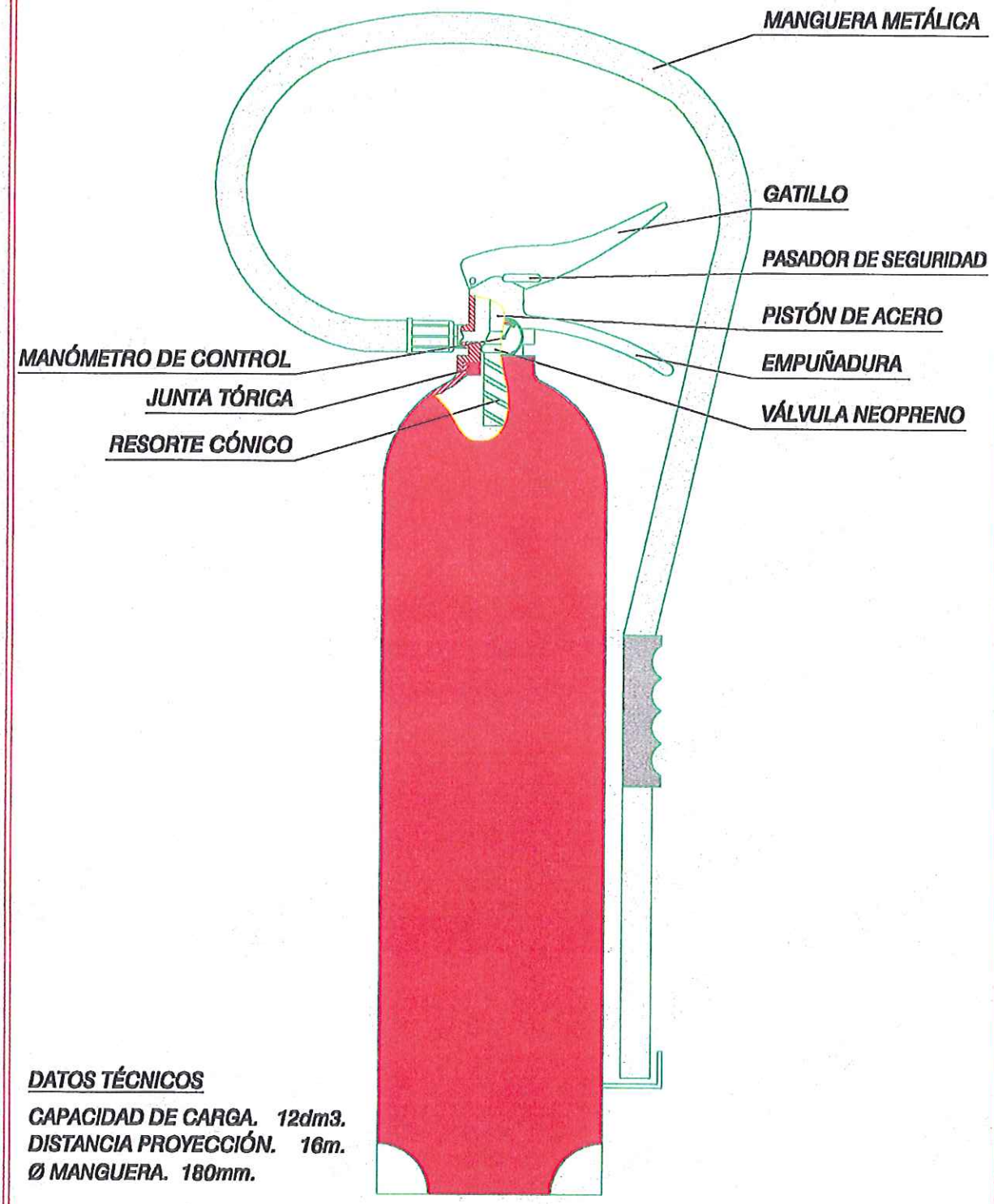






SERVICIO DE PREVENCIÓN

EXTINTOR DE INCENDIOS

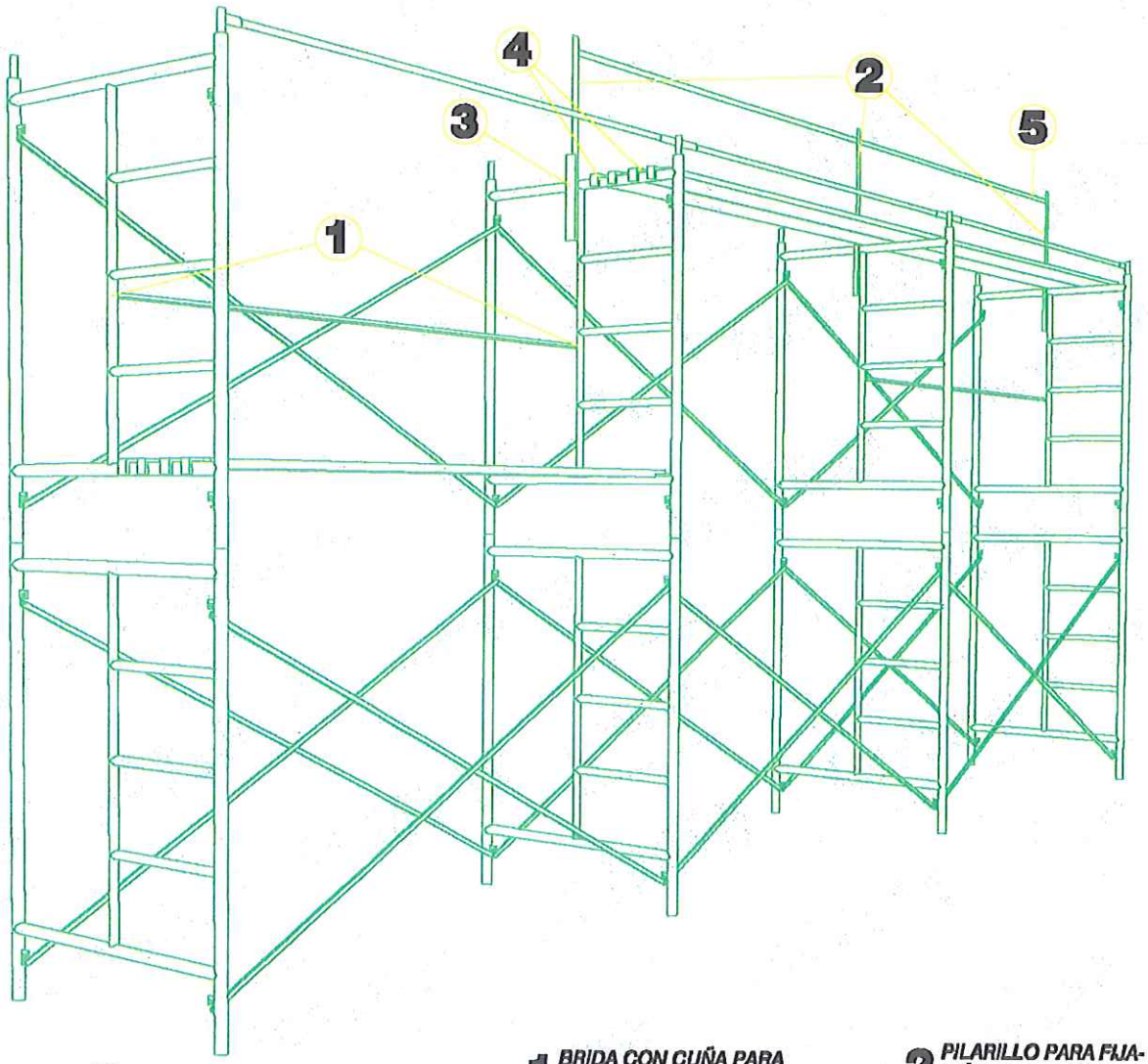


DATOS TÉCNICOS

CAPACIDAD DE CARGA. 12dm3.
DISTANCIA PROYECCIÓN. 16m.
Ø MANGUERA. 180mm.

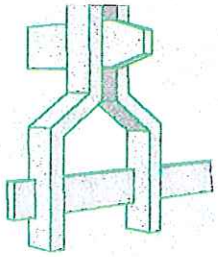
SERVICIO DE PREVENCIÓN

ANDAMIAJE PROTECCIÓNES (SENDO)



5 ALARGADERA DE BARANDILLA

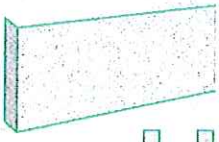
1 BRIDA CON CUÑA PARA FIJACIÓN DE BARANDILLA



2 PILARILLO PARA FIJACIÓN DE BARANDILLA

4 PORTAPISO Ó PLATAFORMA METÁLICA 0,30x2 y 3mts.

FIJACIONES DE RODAPIÉ

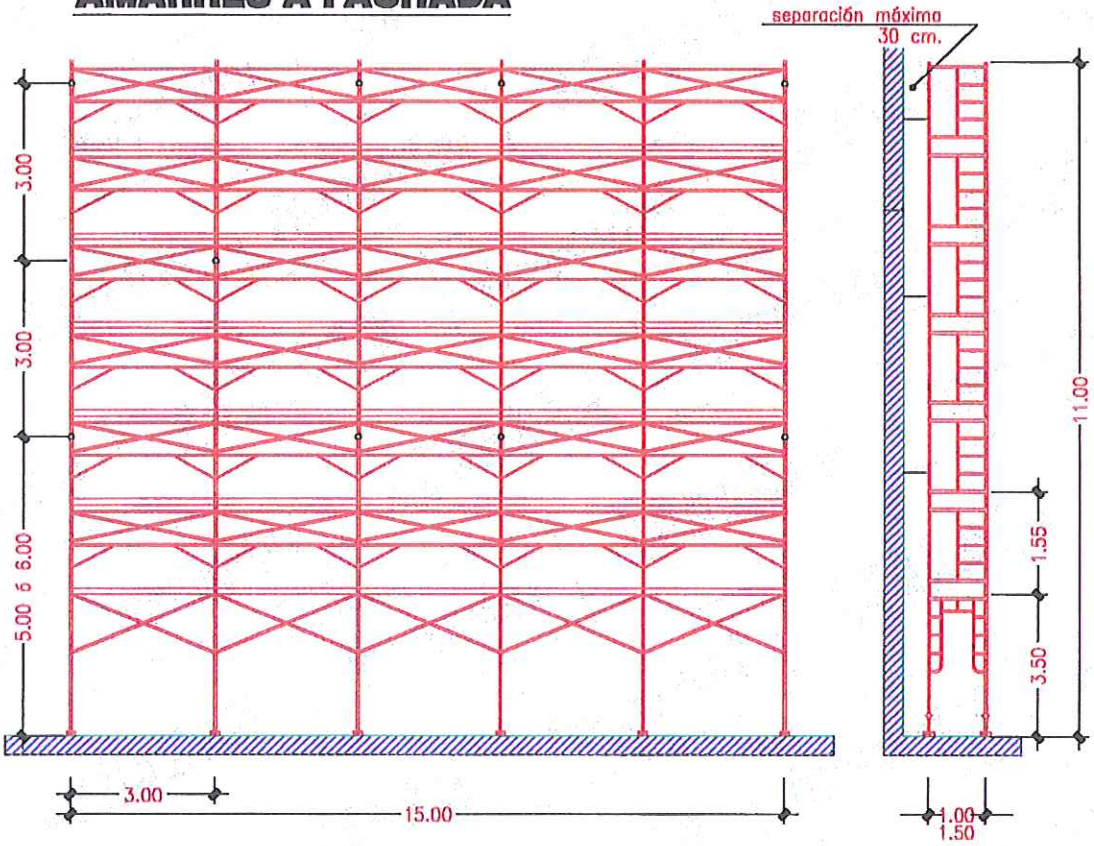


3 CASQUILLO CON BRIDA

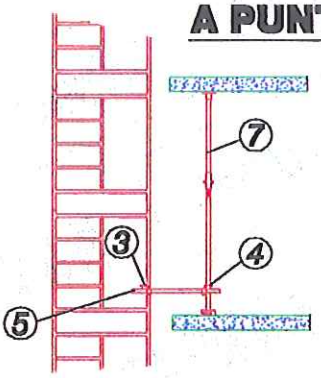
SERVICIO DE PREVENCIÓN

ANDAMIAJE
MONTAJE I

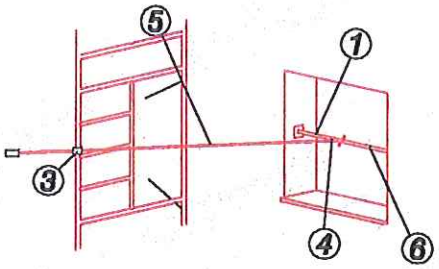
AMARRES A FACHADA



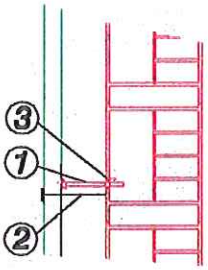
A PUNTAL

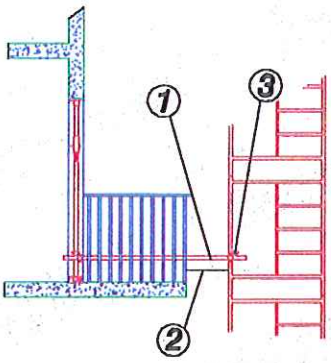


A VENTANA



A TOPE Y LATIGUILLO

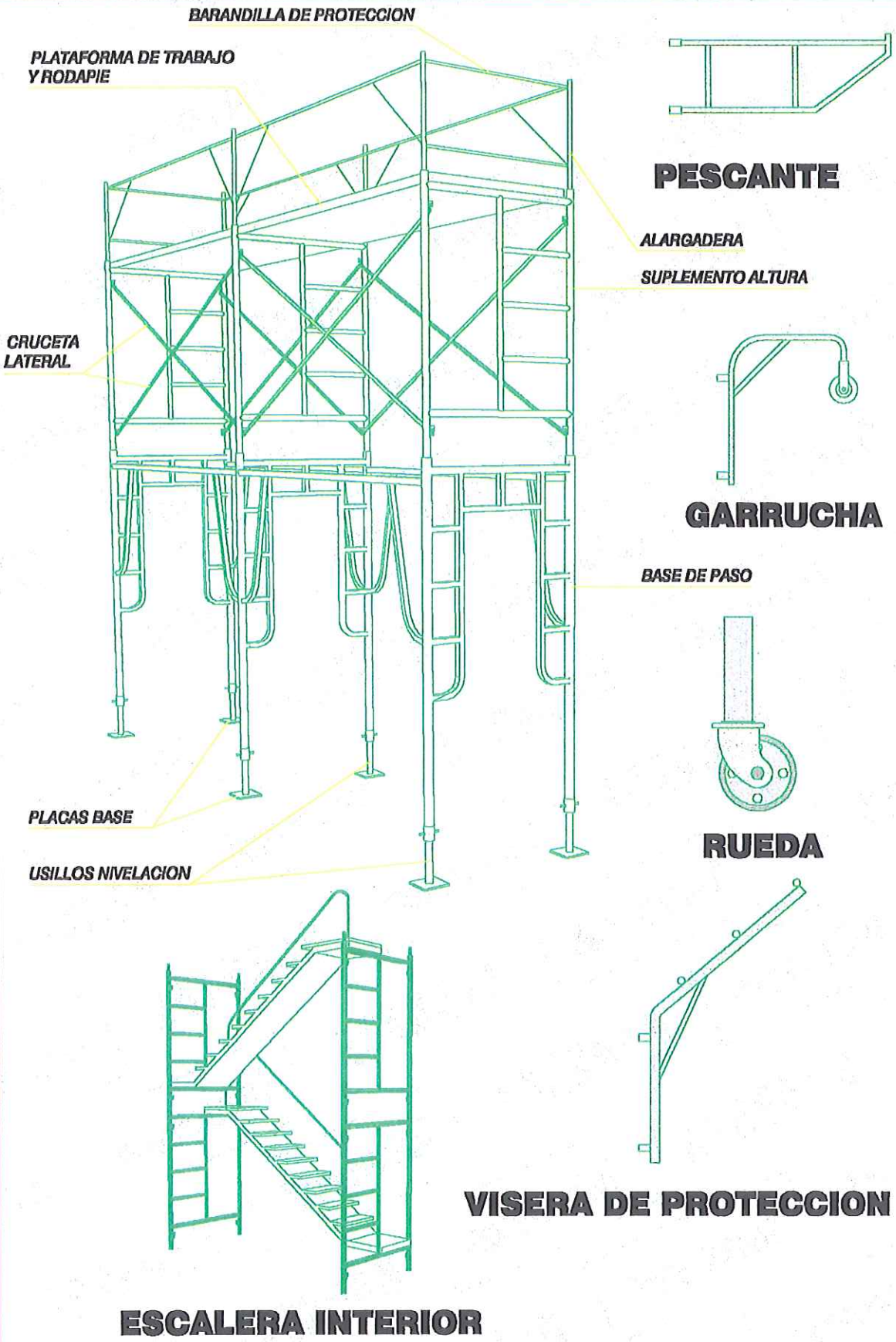




1 TUBO DE LONGITUD VARIABLE
2 LATIGUILLO
3 ABRAZADERA
4 BRIDA
5 TUBO, EXTREMOS APLASTADOS
6 HUSILLO
7 PUNTAL METALICO

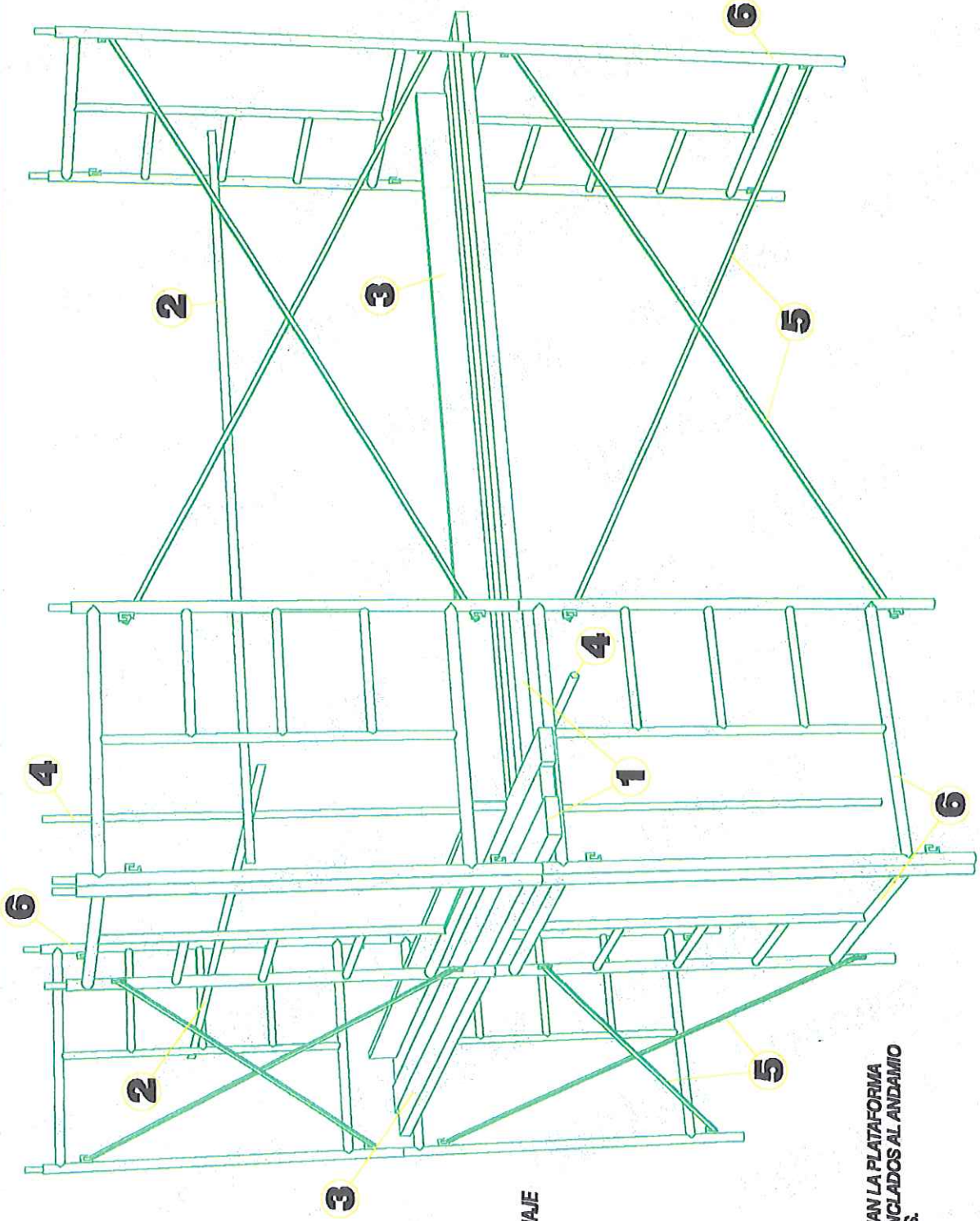
SERVICIO DE PREVENCIÓN

ANDAMIAJE ACCESORIOS



SERVICIO DE PREVENCIÓN

DETALLES DE ANDAMIO EN ESQUINA

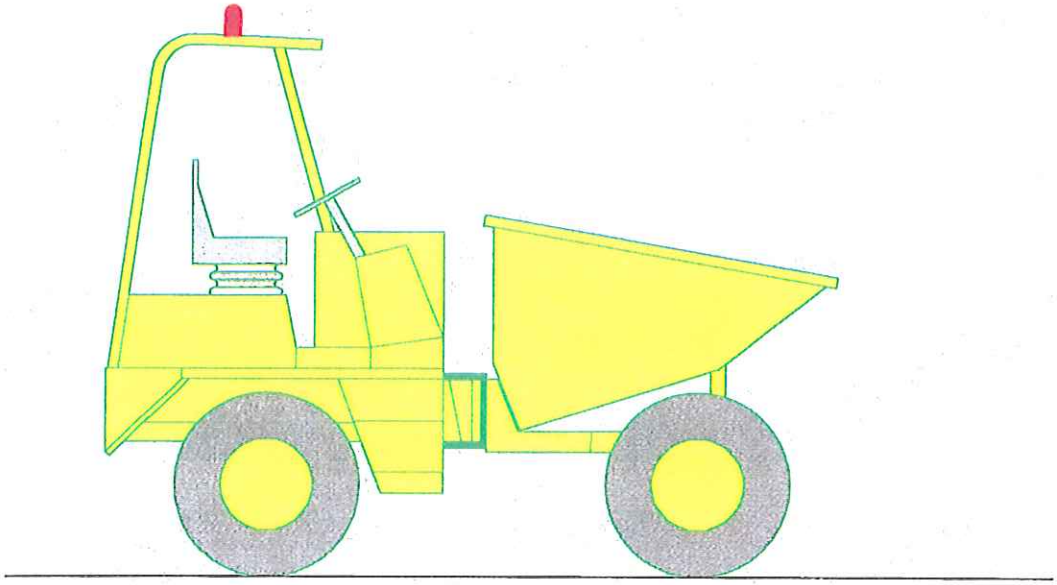


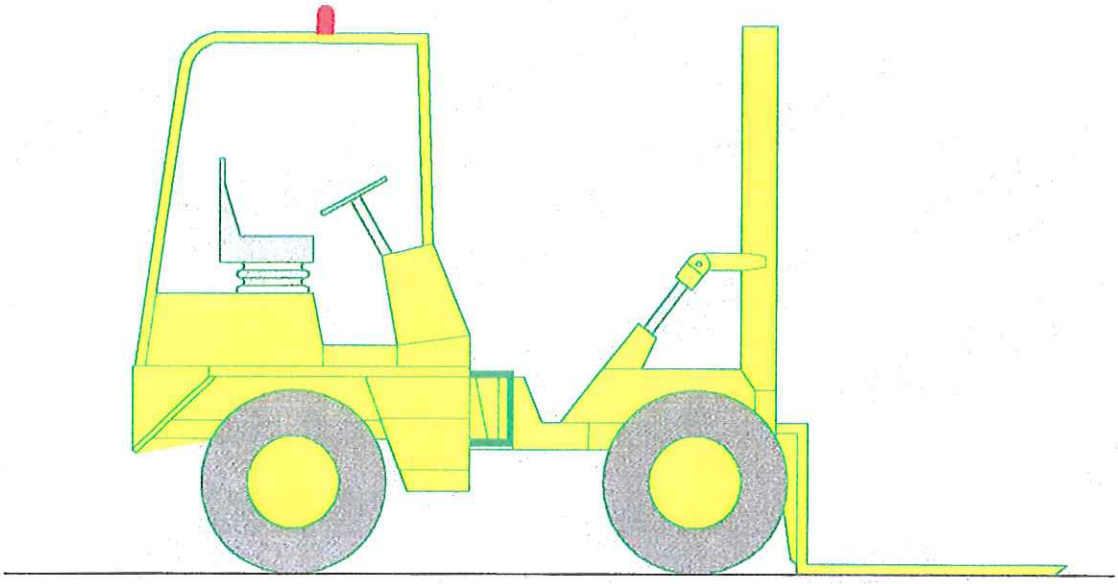
1 ENTABLADO DE ANDAMIAJE
2 BARANDILLA TUBULAR
3 RODAPIÉ
4 TUBULAR
5 CRUZ DE SAN ANDRÉS
6 MÓDULO INTERIOR

NOTA
LOS TABLONES QUE FORMAN LA PLATAFORMA DE TRABAJO DEBEN SER ANCLADOS AL ANDAMIO MEDIANTE FLEJES O SOGAS.

SERVICIO DE PREVENCIÓN

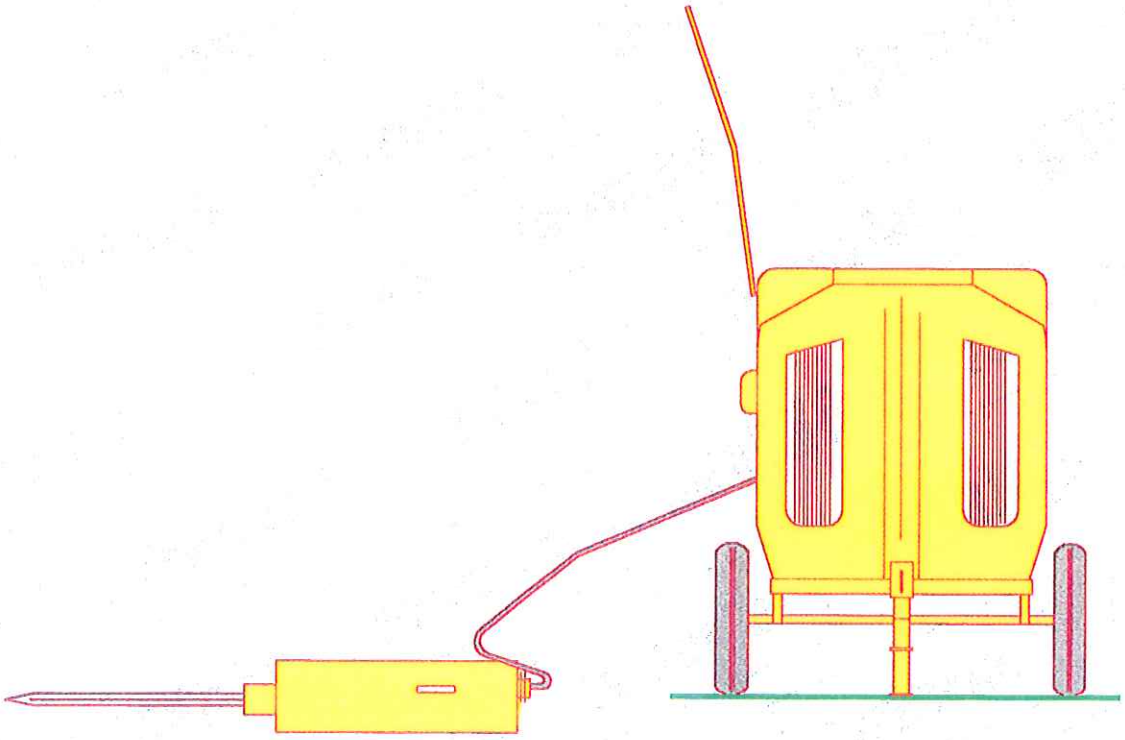
DUMPER
CARRETILLA PORTAPALES

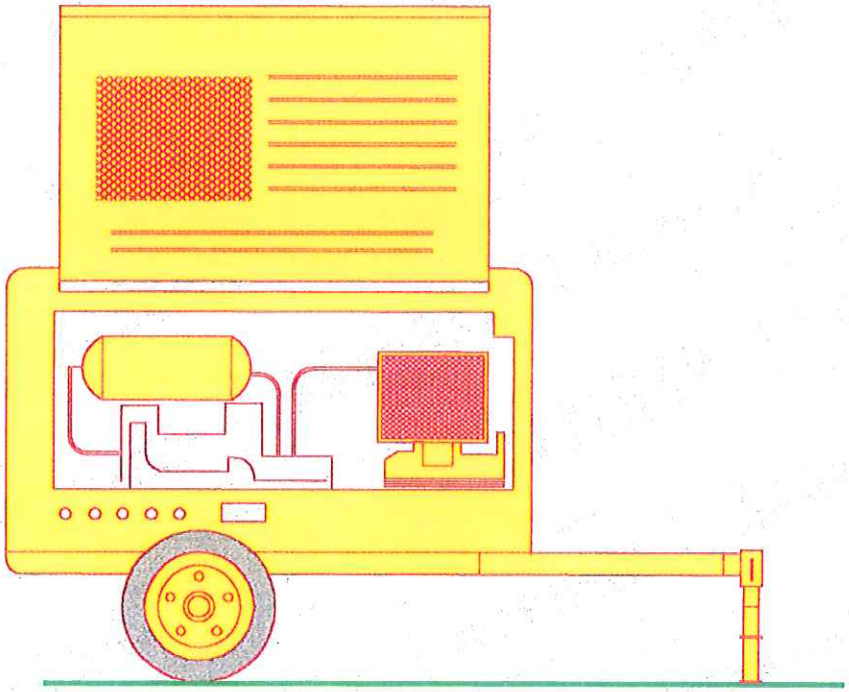




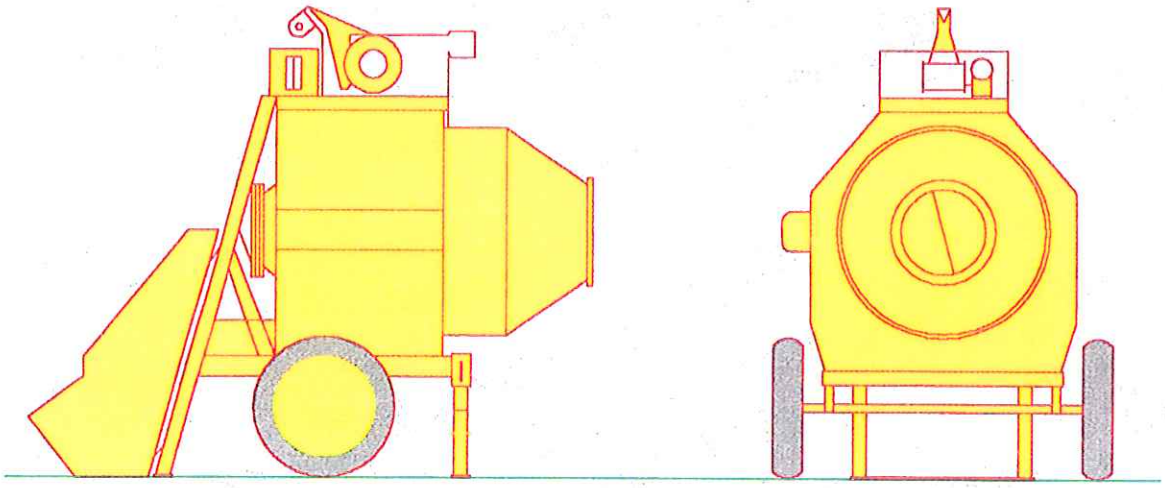
SERVICIO DE PREVENCIÓN

COMPRESOR

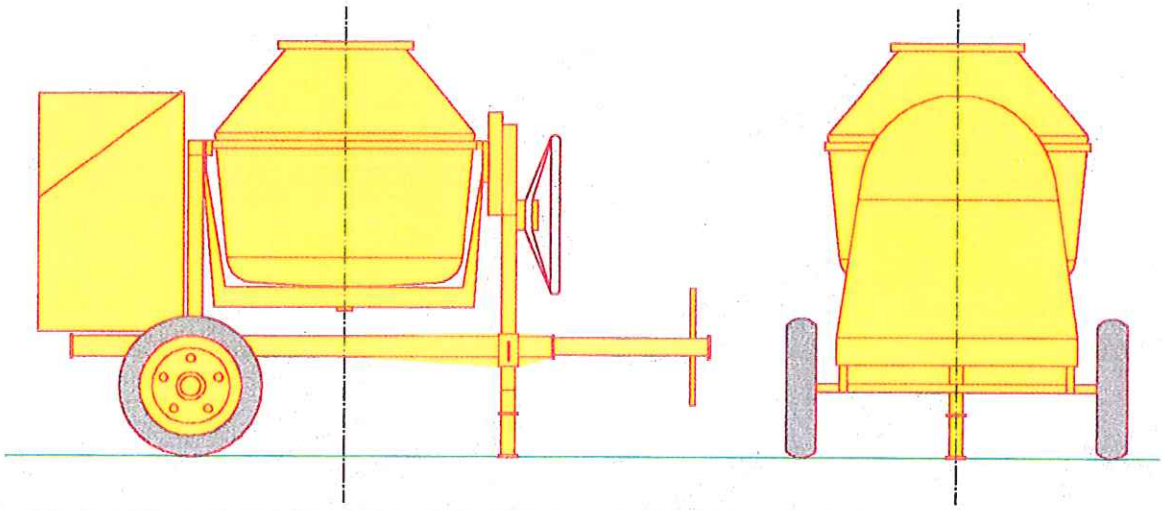




HORMIGONERAS



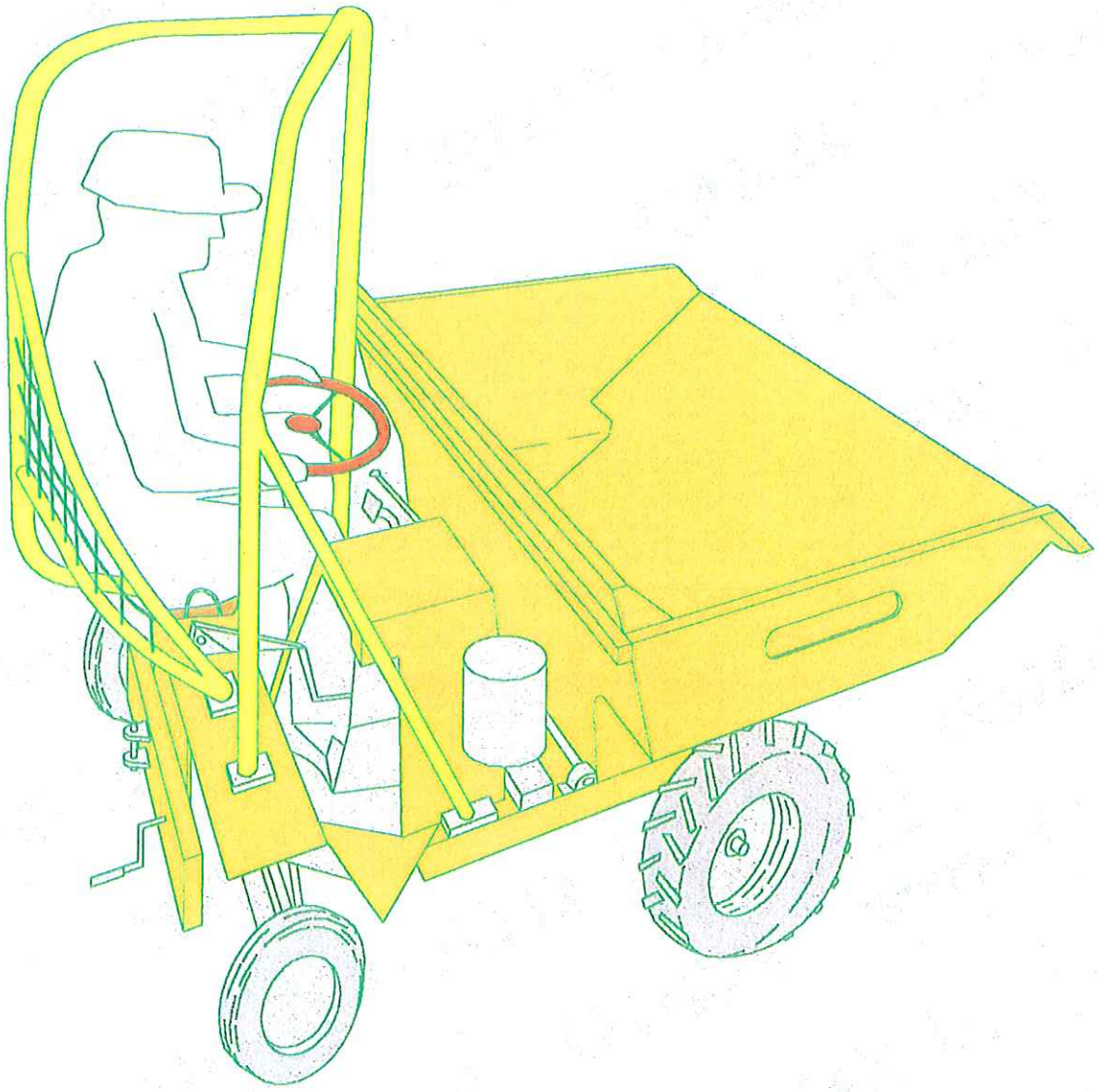
HORMIGONERA CON SCRAPER



HORMIGONERA DE TAMBOR BASCULANTE

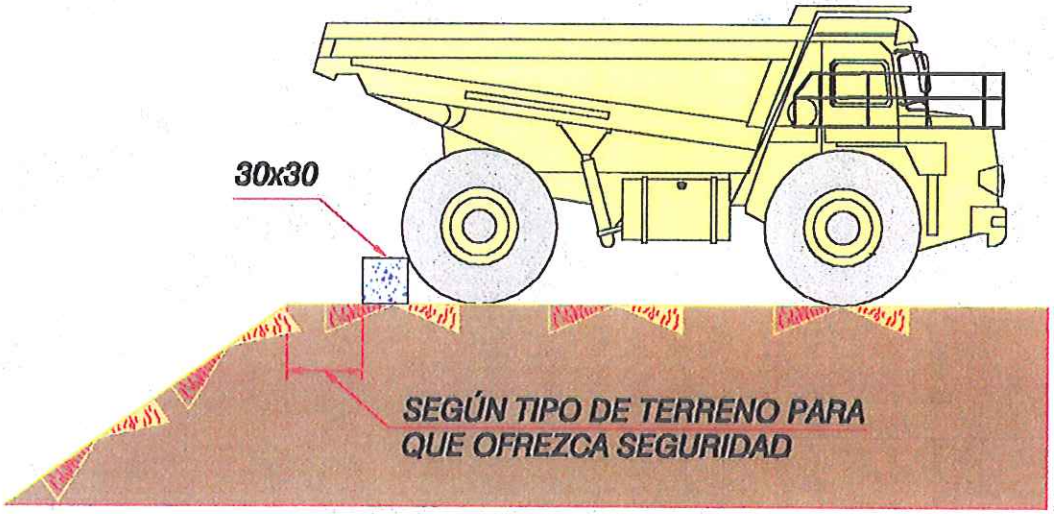
SERVICIO DE PREVENCIÓN

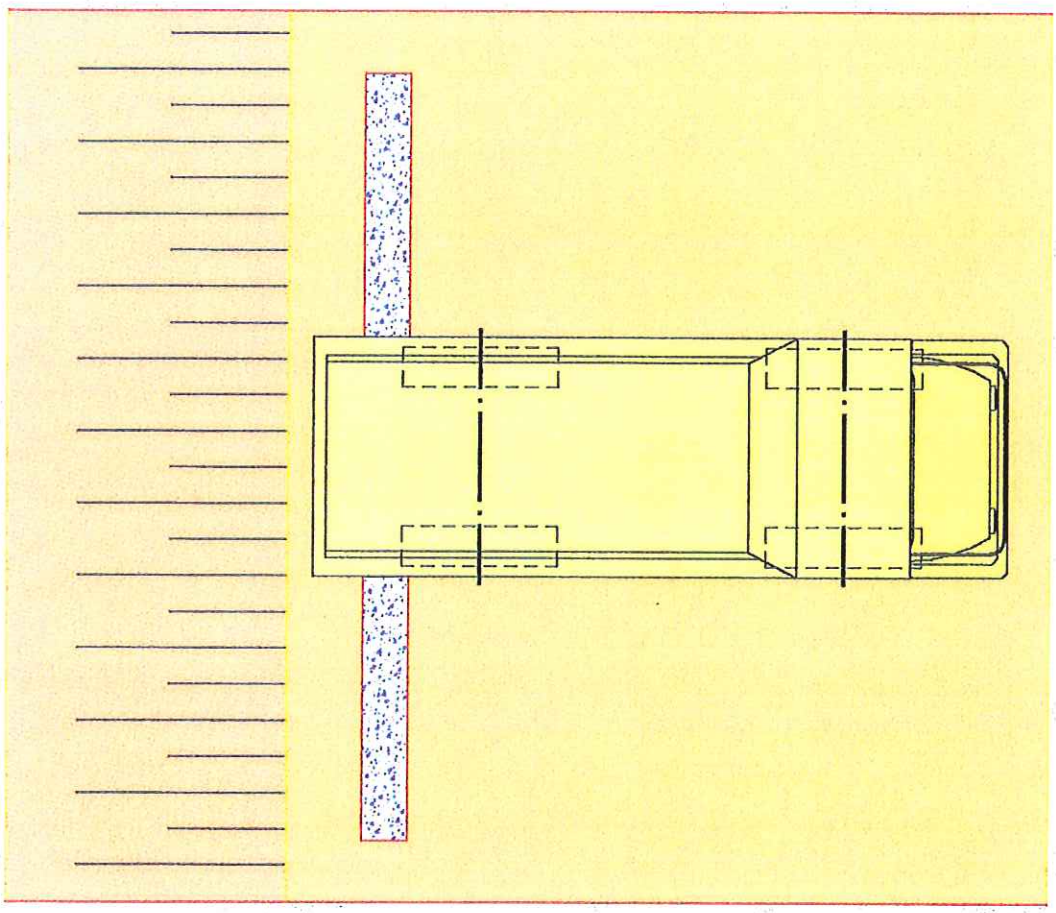
CABINA ANTIVUELCO PARA MOTOVOLQUETE

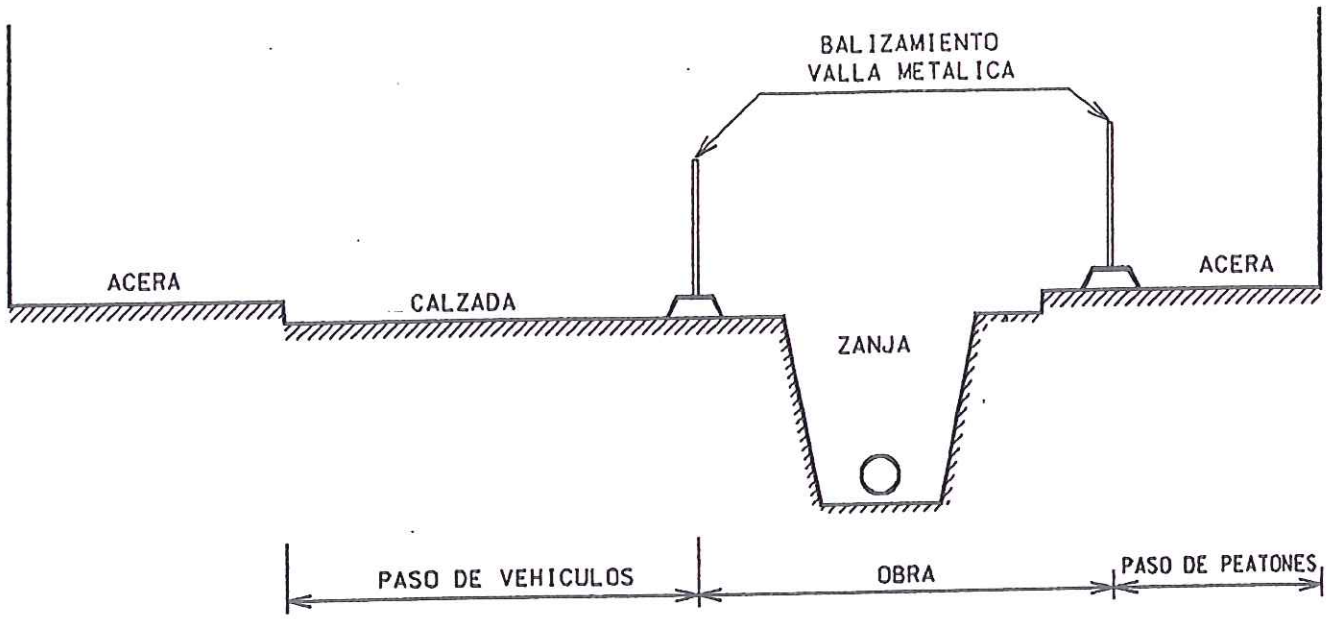


SERVICIO DE PREVENCIÓN

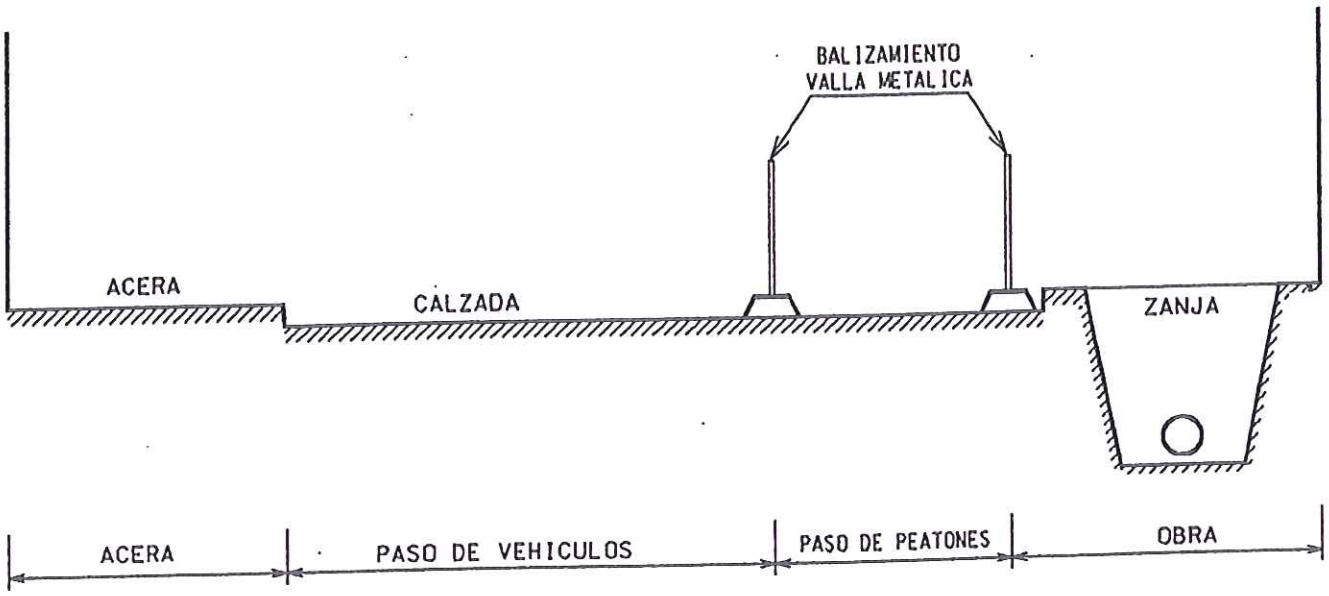
TOPE DE RETROCESO DE VERTIDO DE TIERRAS



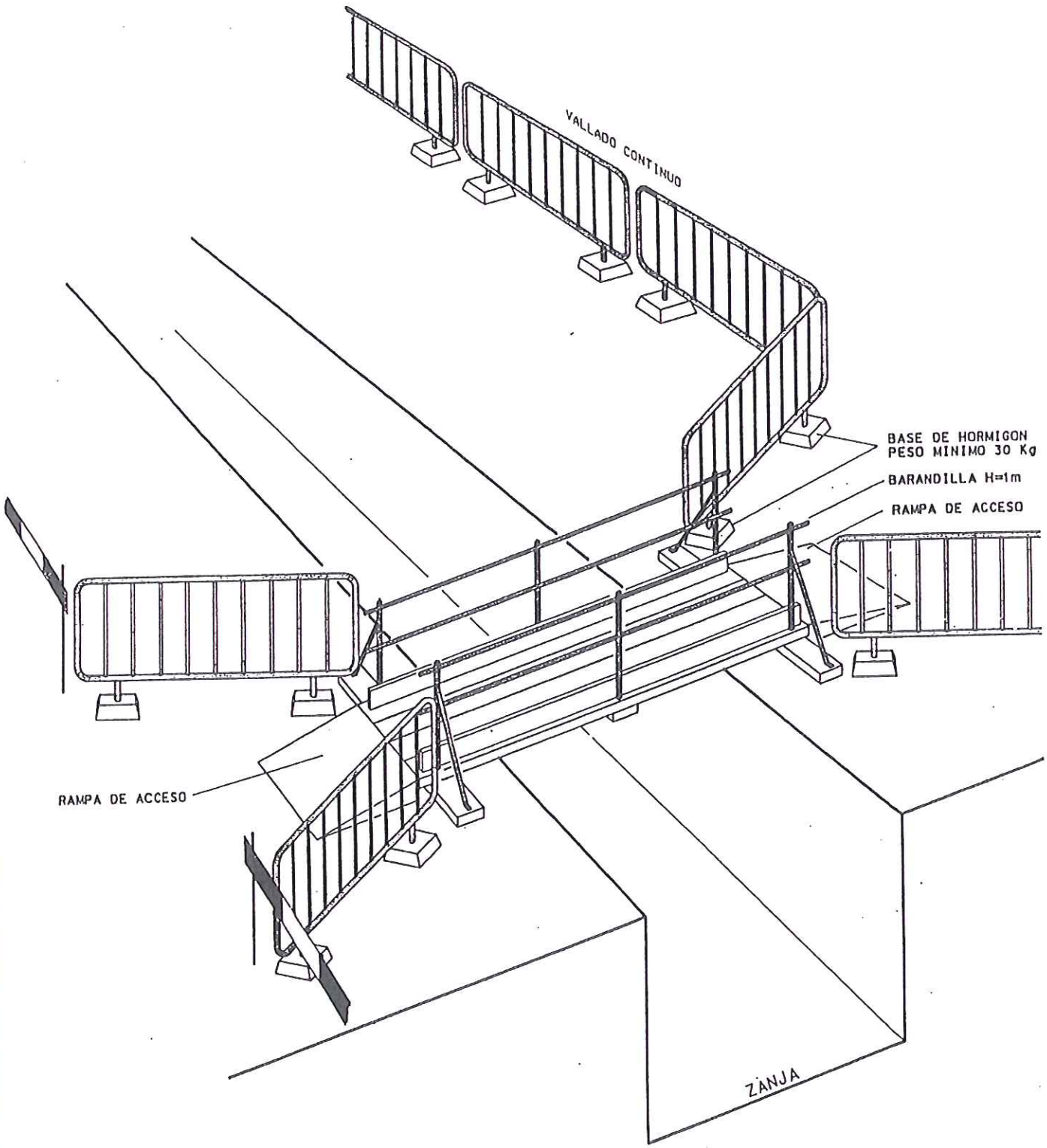




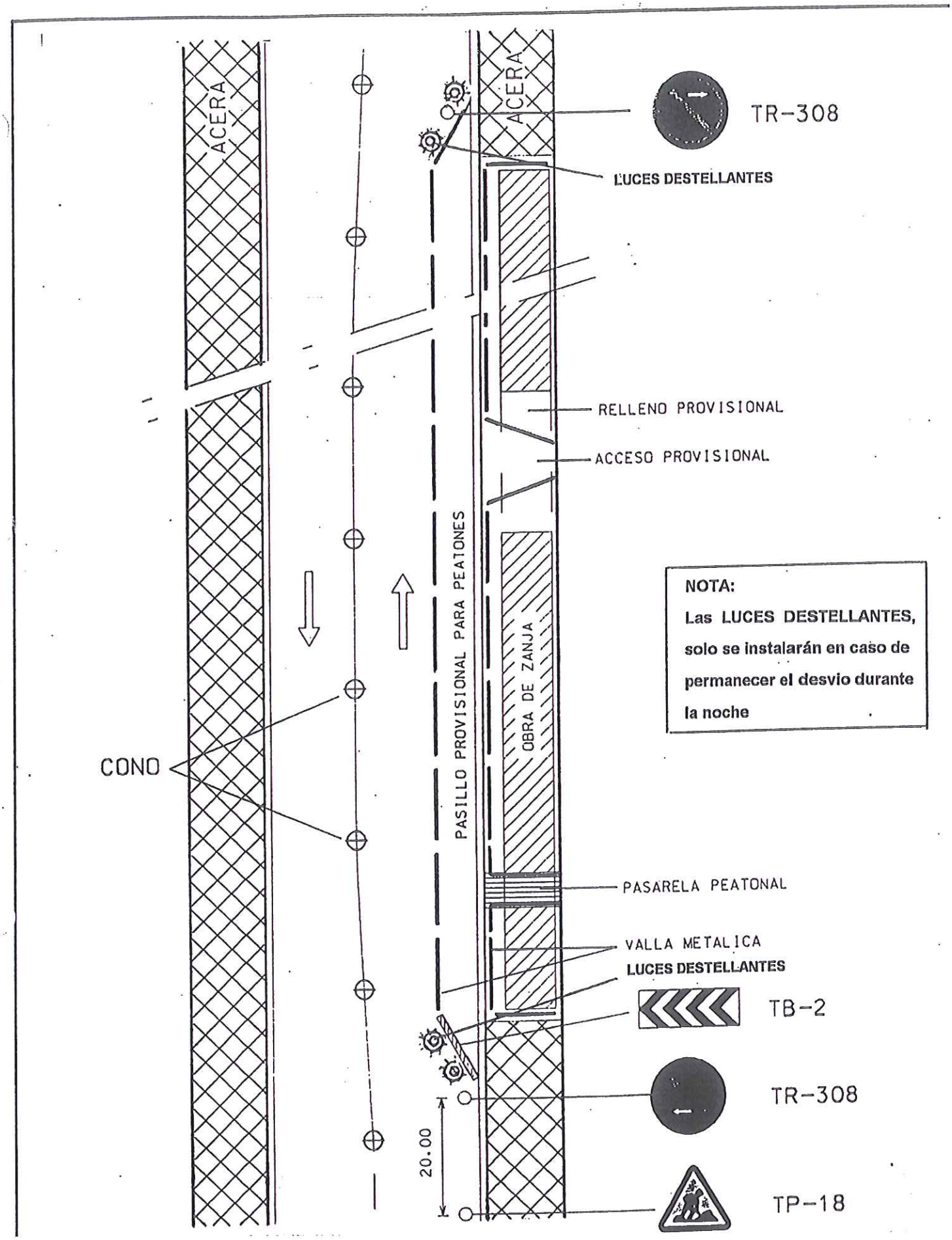
APERTURA DE ZANJA EN CALZADA



APERTURA DE ZANJA EN ACERA



* EL ANCHO MINIMO DE LA PASARELA SERA DE 60 CM. SI ES PARA EL PERSONAL DE OBRA Y DE 1.20 LAS RESTANTES
* LAS PROTECCIONES DEBERAN PERMANECER MIENTRAS EXISTA ALGUN RIESGO O PELIGRO DE ACCIDENTE
* LA ESTRUCTURA DE LA PASARELA SE CALCULARA SEGUN EL ANCHO DE ZANJA Y LA CARGA PREVISIBLE


ACERA
ACERA
TR-308
LUCES DESTELLANTES
RELLENO PROVISIONAL
ACCESO PROVISIONAL
PASILLO PROVISIONAL PARA PEATONES
OBRA DE ZANJA
NOTA:
Las LUCES DESTELLANTES, solo se instalarán en caso de permanecer el desvio durante la noche
CONO
PASARELA PEATONAL
VALLA METALICA
LUCES DESTELLANTES
TB-2
TR-308
20.00
TP-18

TR-500
TP-18
TR-301
TR-305
TR-301
TP-14b
TB-1
TB-1
TB-1
TB-1
CONO
OBRAS
ARCEN
ARCEN
TP-14a
TR-301
TR-305
TR-301
TP-18
TR-500
50,0
50,0
50,0
50,0
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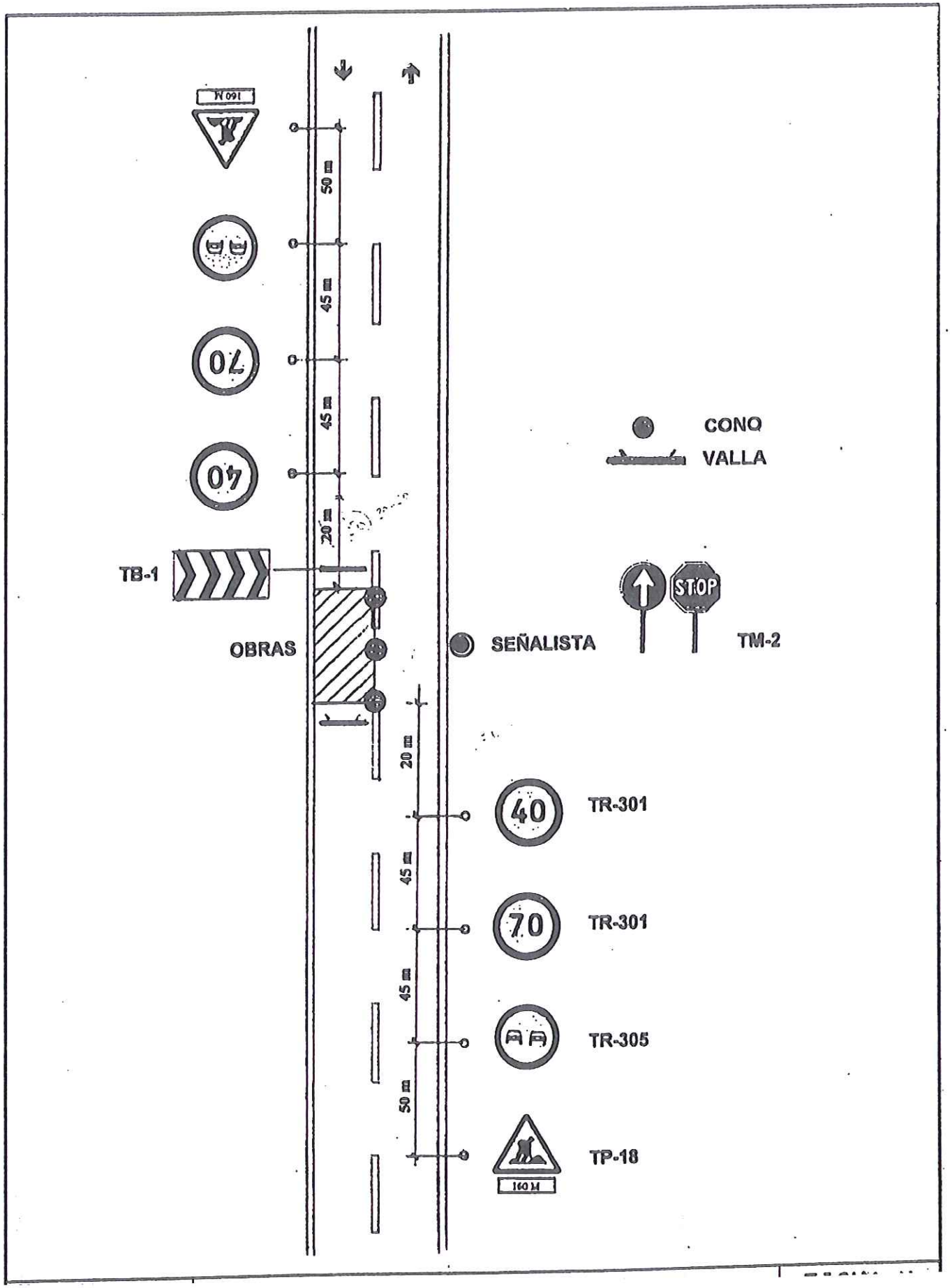
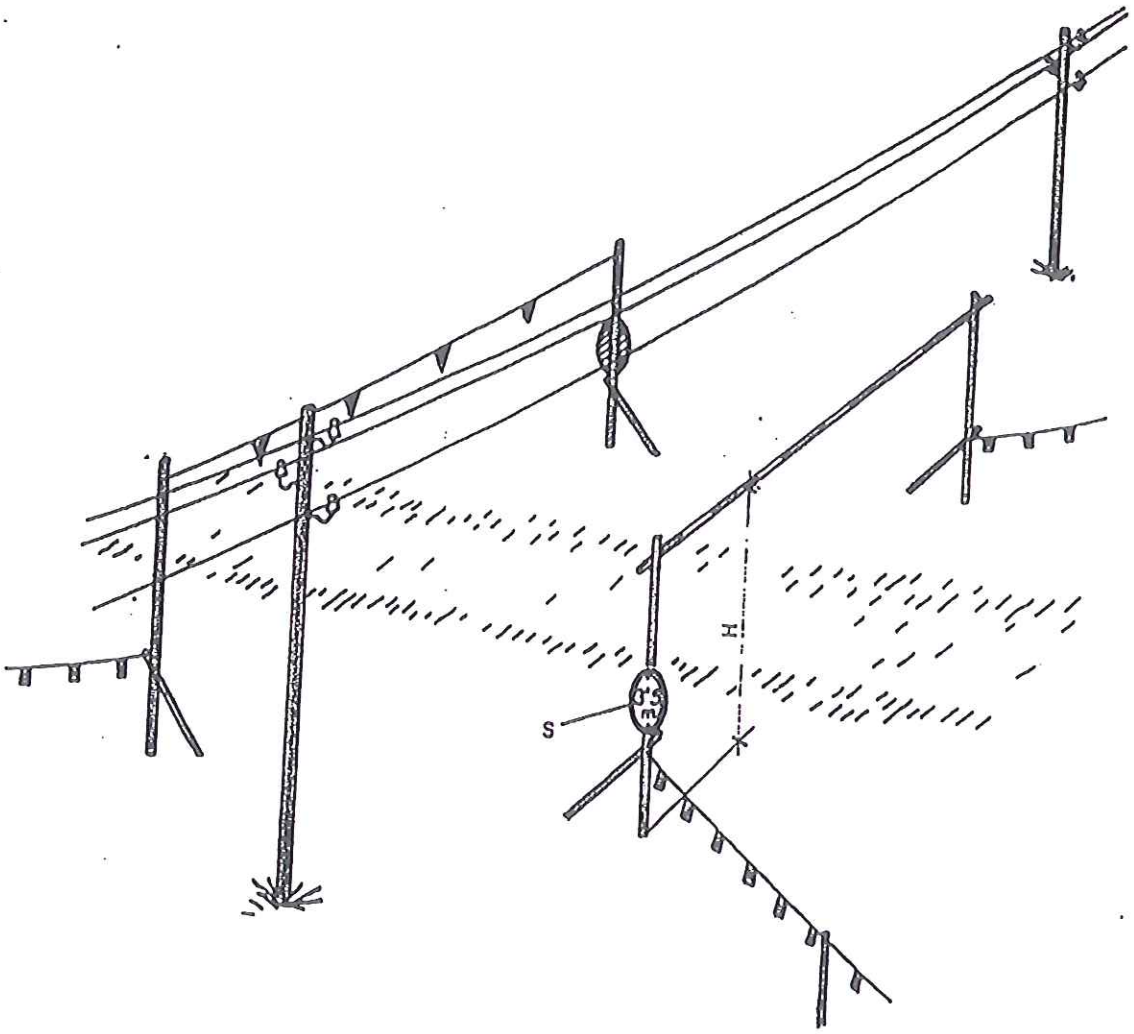
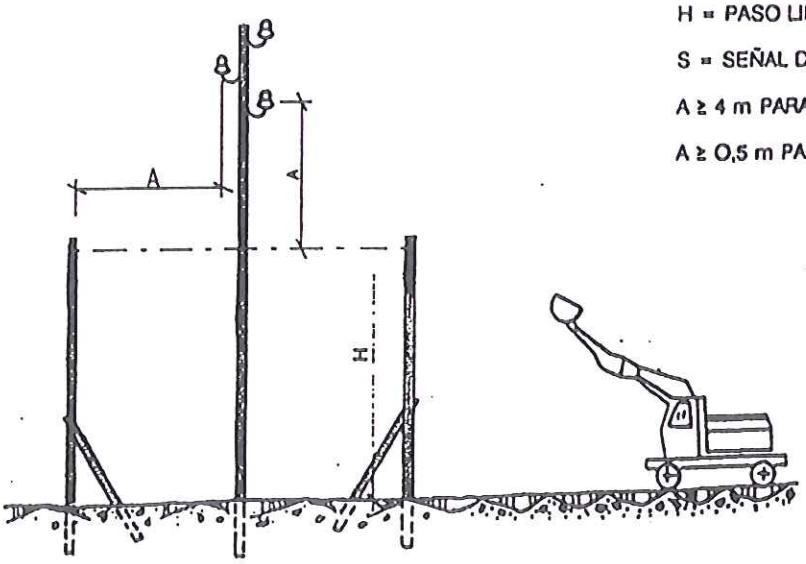
50,0
50,0
50,0
50,0


160 M
50 m
45 m
45 m
20 m
TB-1
OBRAS
20 m
45 m
45 m
50 m
40
TR-301
70
TR-301
TR-305
TP-18
160 M
SEÑALISTA
CONO
VALLA
STOP
TM-2



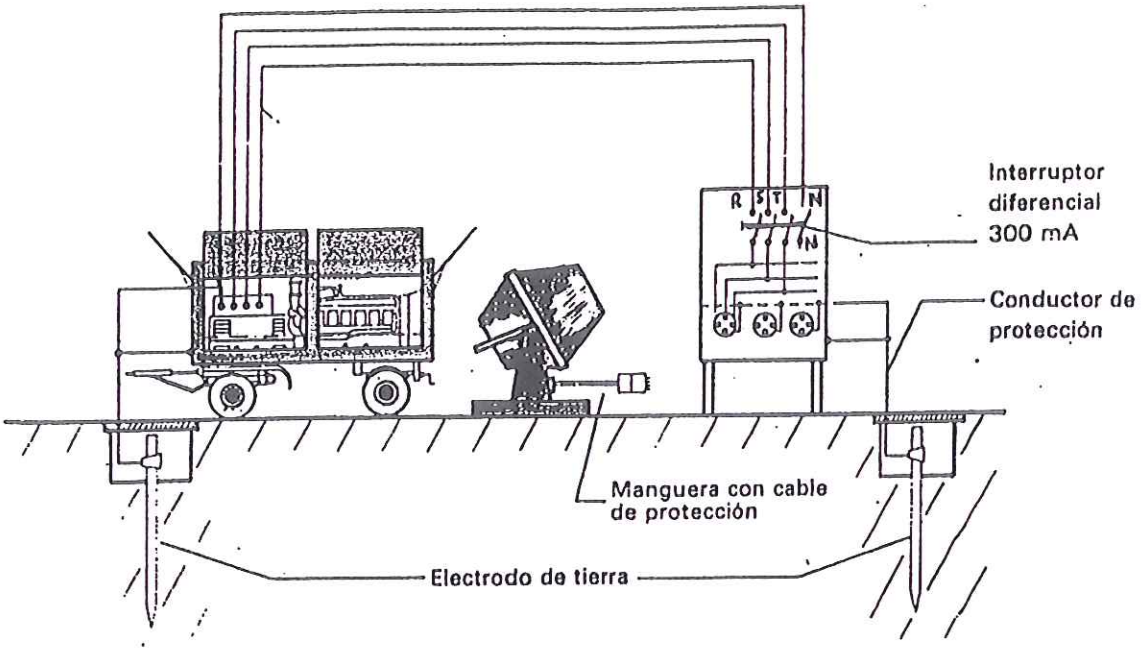


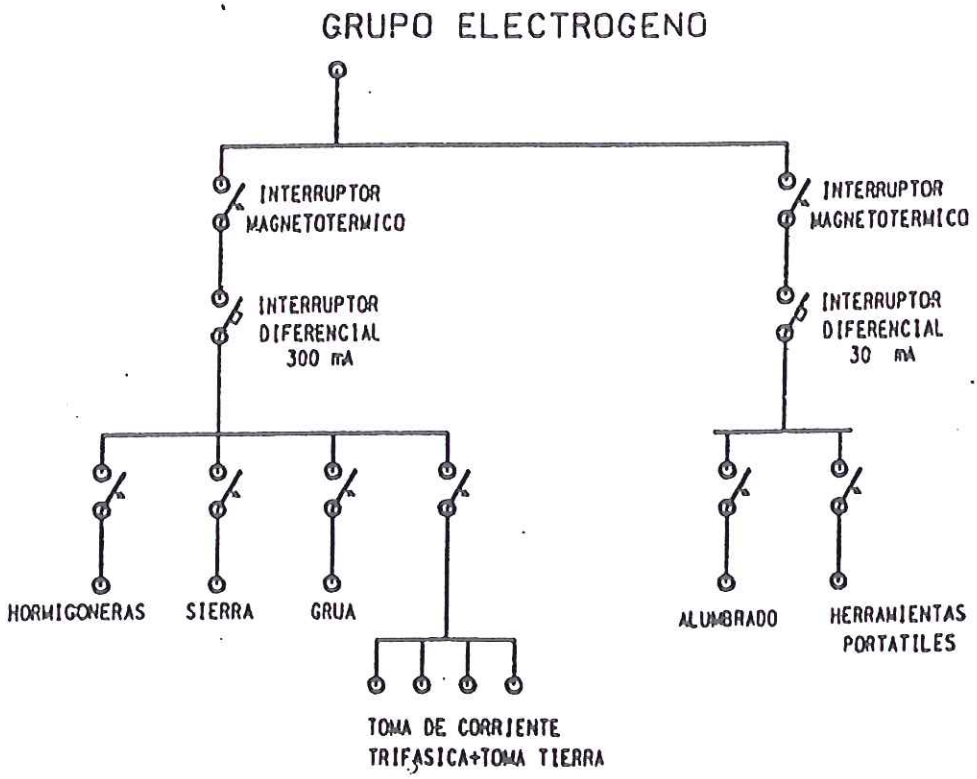
H = PASO LIBRE

S = SEÑAL DE ALTURA MAXIMA

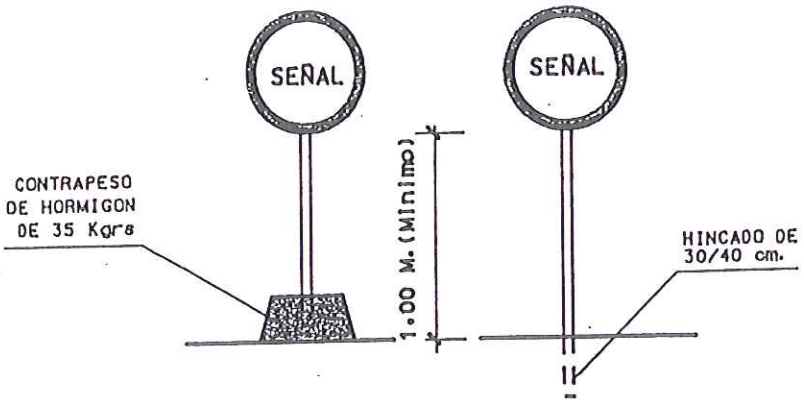
A ≥ 4 m PARA A.T. EN GENERAL

A ≥ 0,5 m PARA B.T.

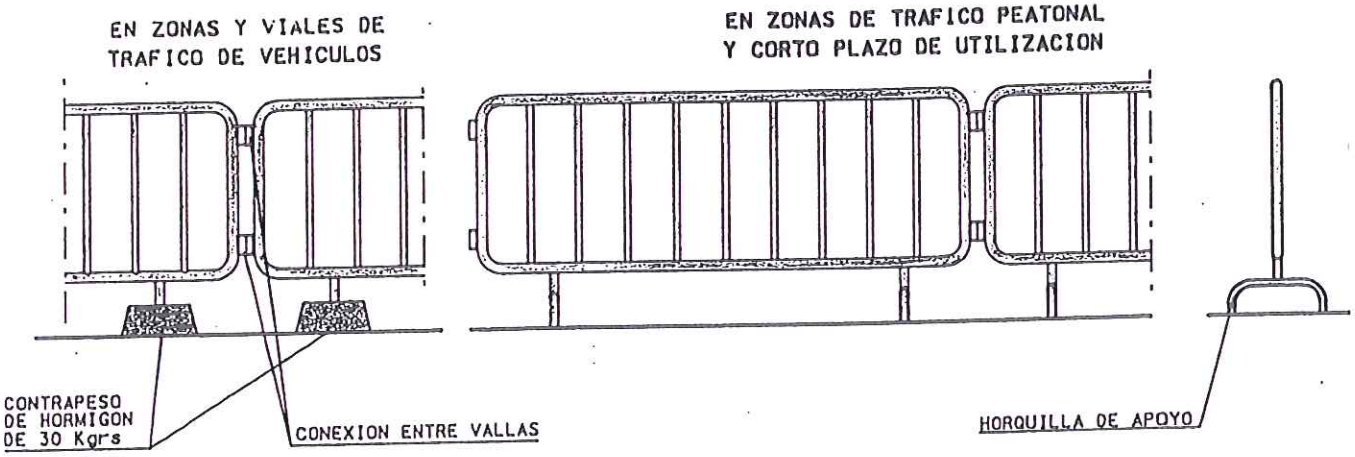

R S T N
N
Interruptor diferencial 300 mA
Conductor de protección
Manguera con cable de protección
Electrodo de tierra


GRUPO ELECTROGENO
INTERRUPTOR MAGNETOTERMICO
INTERRUPTOR DIFERENCIAL 300 mA
INTERRUPTOR MAGNETOTERMICO
INTERRUPTOR DIFERENCIAL 30 mA
HORMIGONERAS
SIERRA
GRUA
ALUMBRADO
HERRAMIENTAS PORTATILES
TOMA DE CORRIENTE TRIFASICA+TOMA TIERRA

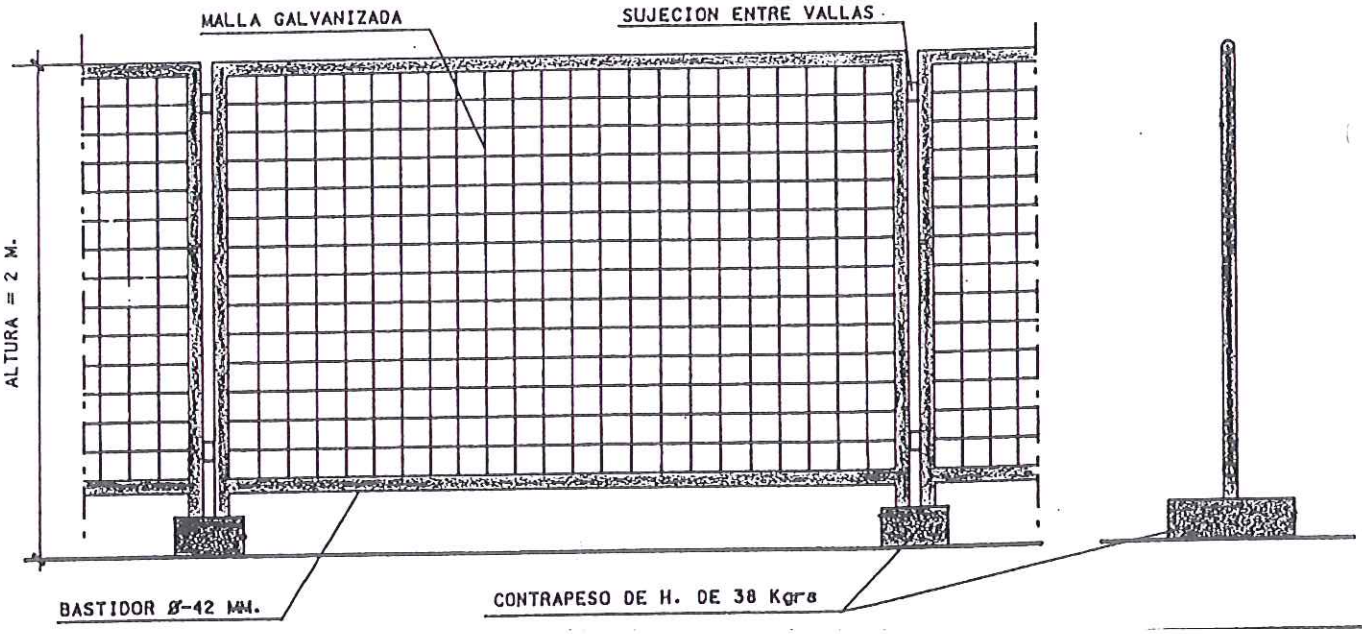
COLOCACION DE SEÑALES DE TRAFICO

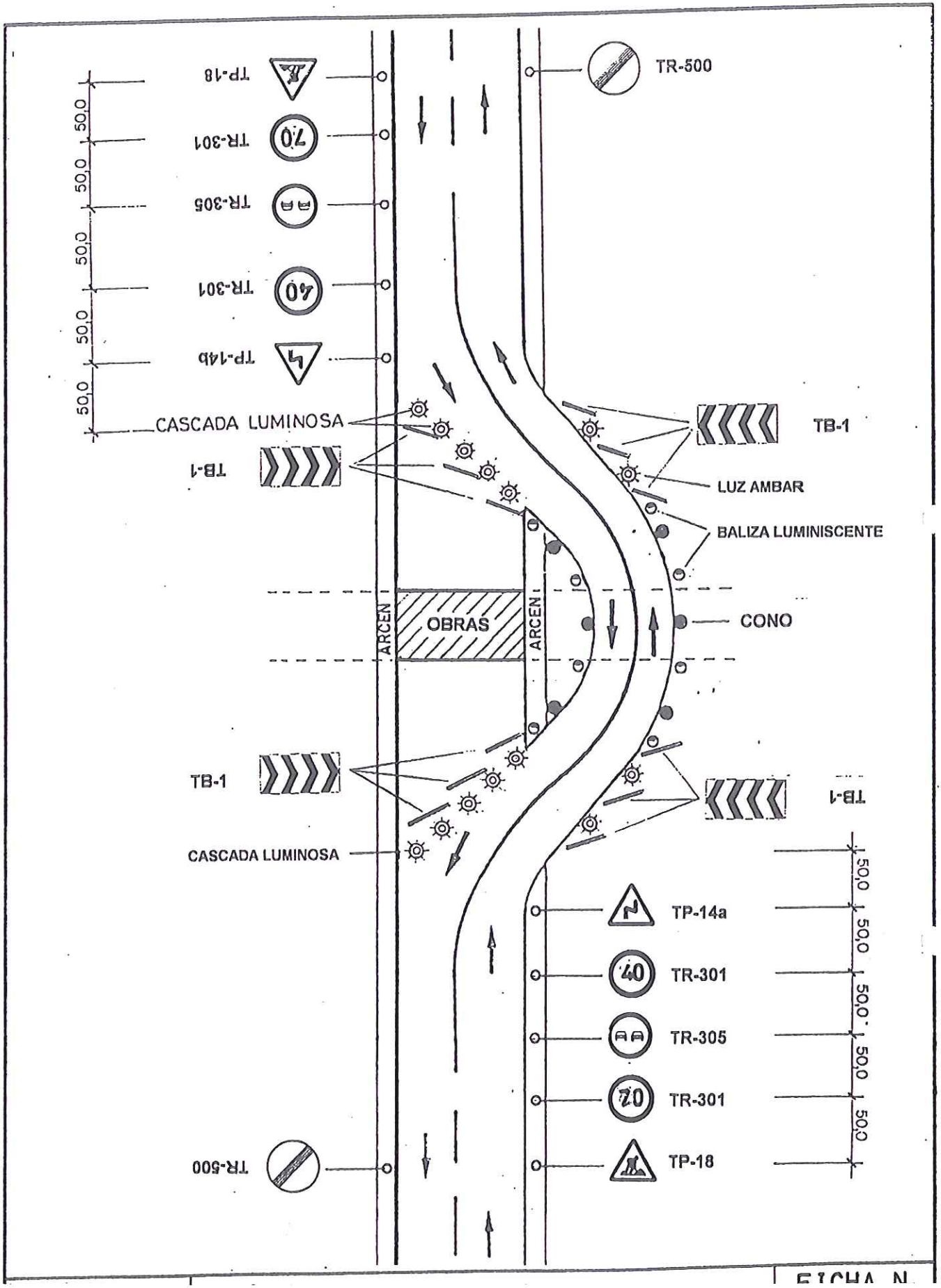


COLOCACION DE VALLA METALICA AUTONOMA

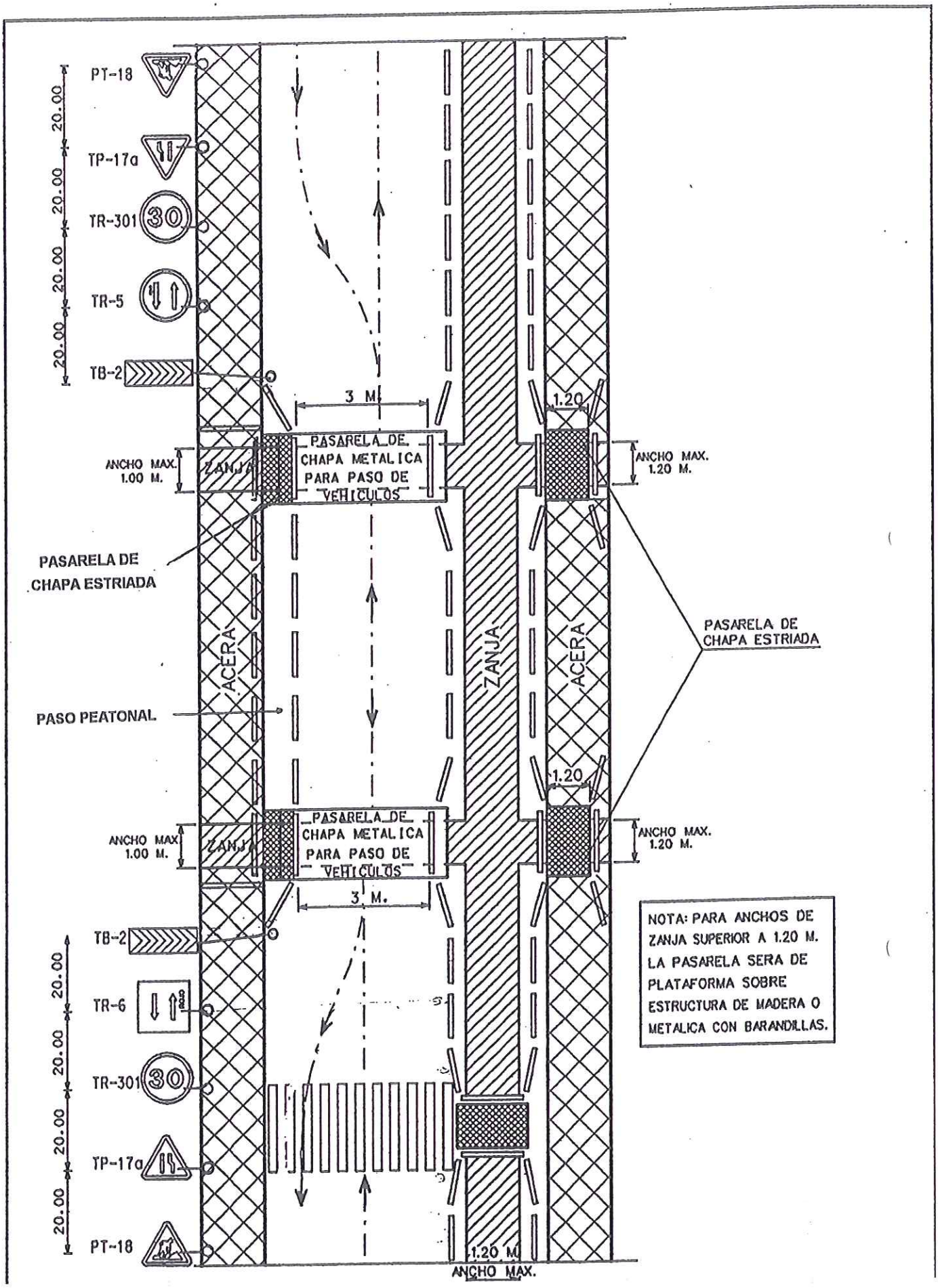


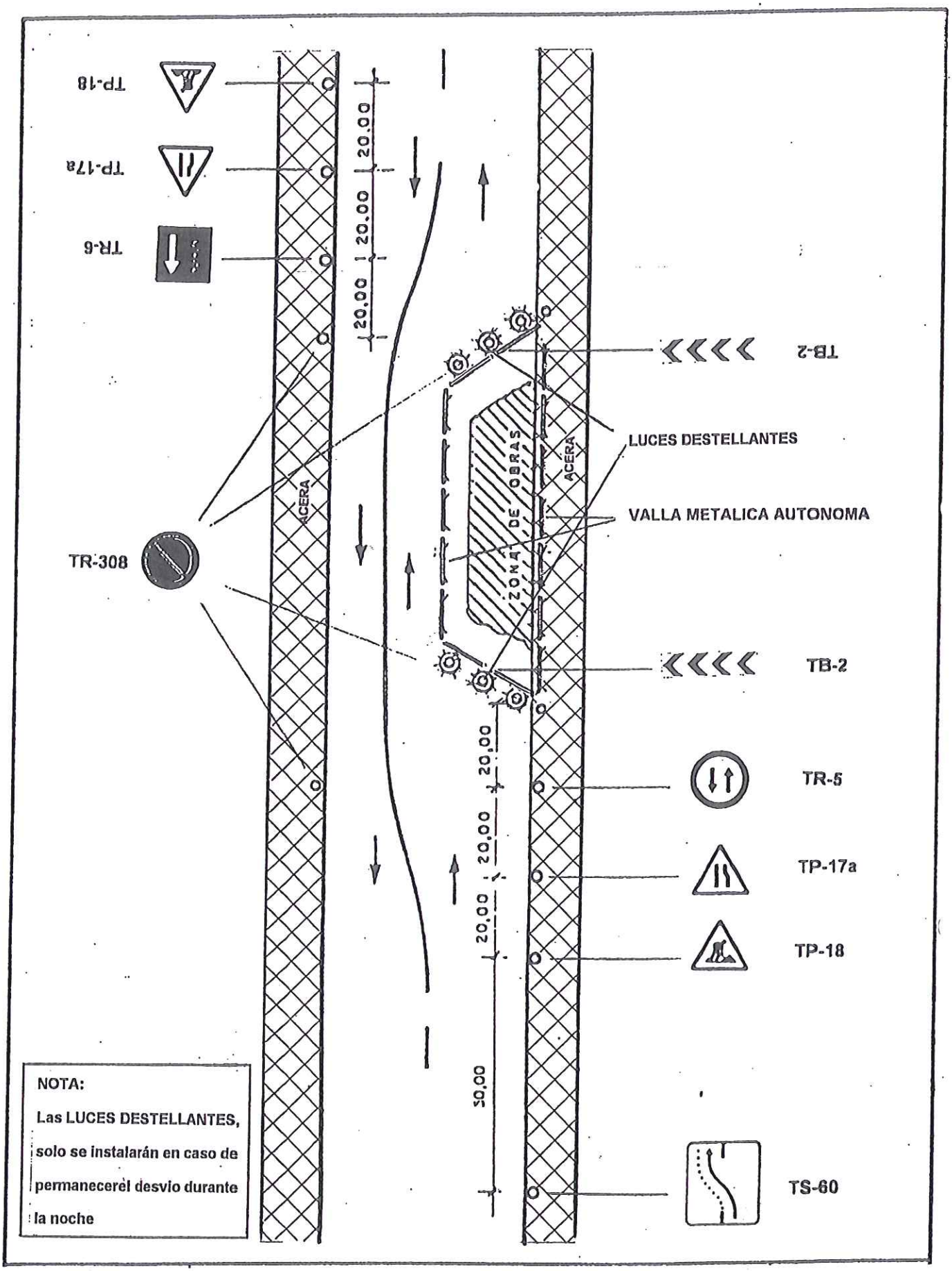
VALLA DE CERRAMIENTO DE MALLAZO

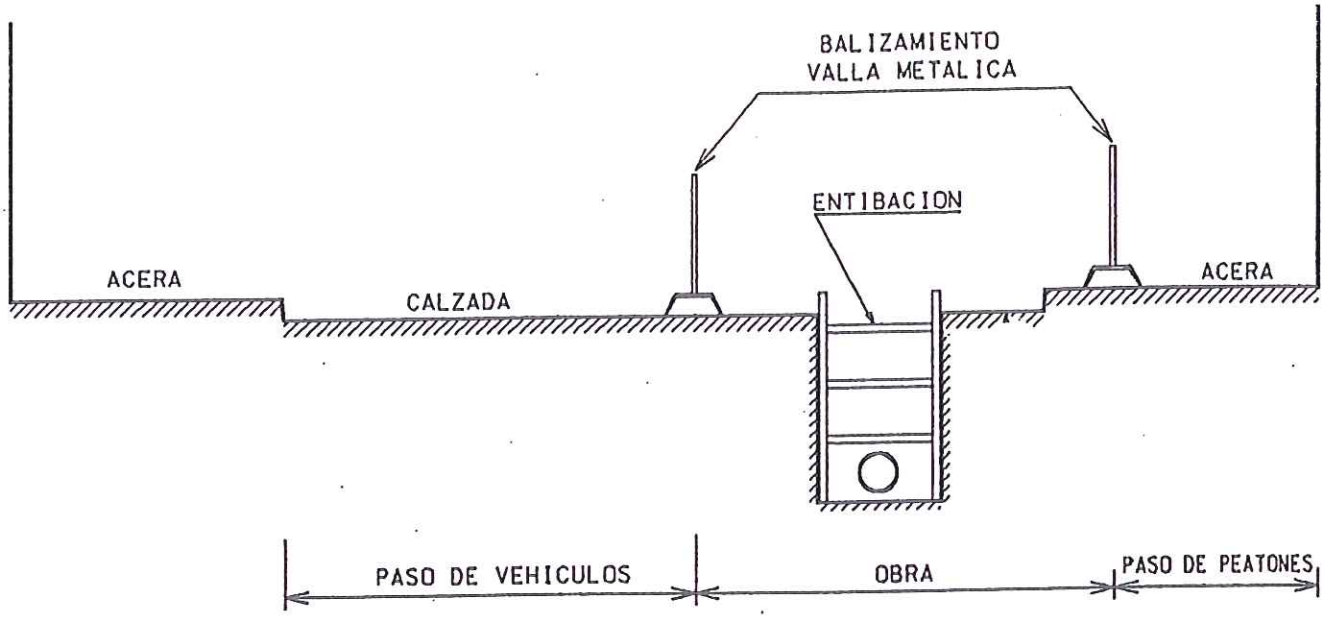



TR-500
TP-18
TR-301
TR-305
TR-301
TP-14b
50,0
50,0
50,0
50,0
50,0
CASCADA LUMINOSA
TB-1
TB-1
LUZ AMBAR
BALIZA LUMINISCENTE
CONO
ARCEN
OBRAS
ARCEN
TB-1
TB-1
CASCADA LUMINOSA
TP-14a
TR-301
TR-305
TR-301
TP-18
TR-500
50,0
50,0
50,0
50,0
50,0

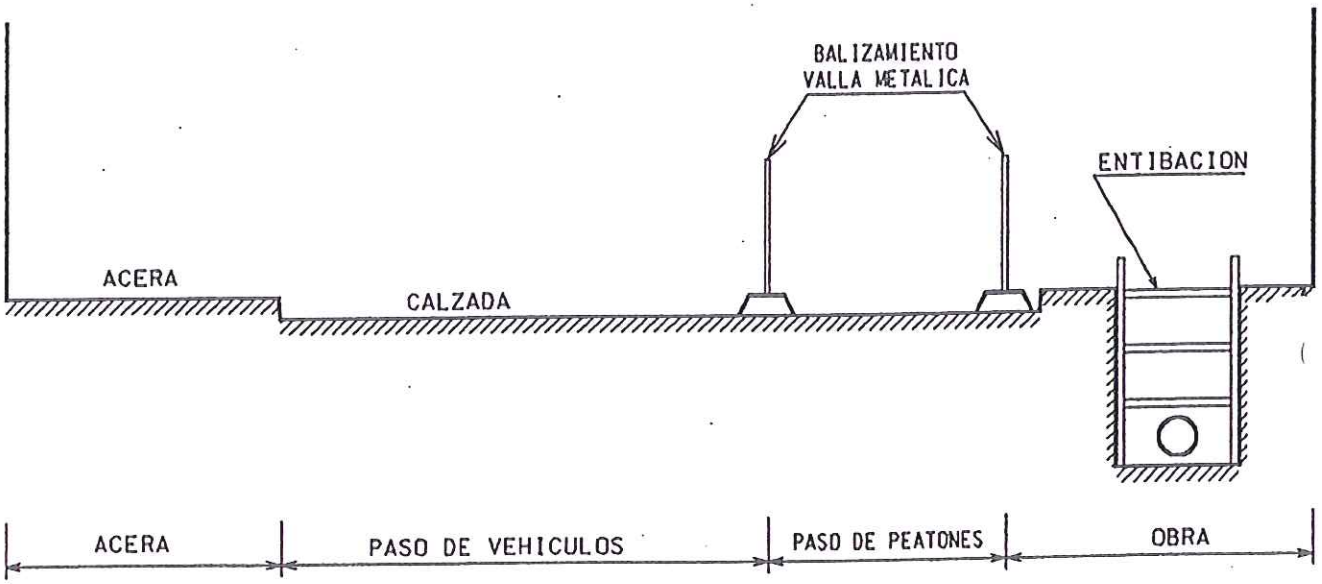
FICHA N


PT-18
TP-17a
TR-301
30
TR-5
TB-2
20.00
20.00
20.00
20.00
3 M.
1.20
PASARELA DE CHAPA METALICA PARA PASO DE VEHICULOS
ANCHO MAX. 1.00 M.
ZANJA
ANCHO MAX. 1.20 M.
PASARELA DE CHAPA ESTRIADA
ACERA
ZANJA
ACERA
PASARELA DE CHAPA ESTRIADA
PASO PEATONAL
1.20
PASARELA DE CHAPA METALICA PARA PASO DE VEHICULOS
ANCHO MAX. 1.00 M.
ZANJA
ANCHO MAX. 1.20 M.
3 M.
TB-2
TR-6
TR-301
30
TP-17a
PT-18
20.00
20.00
20.00
20.00
1.20 M.
ANCHO MAX.
NOTA: PARA ANCHOS DE ZANJA SUPERIOR A 1.20 M. LA PASARELA SERA DE PLATAFORMA SOBRE ESTRUCTURA DE MADERA O METALICA CON BARANDILLAS.


TP-18
TP-17a
TR-6
20,00
20,00
20,00
TB-2
LUCES DESTELLANTES
ACERA
ZONA DE OBRAS
ACERA
VALLA METALICA AUTONOMA
TR-308
TB-2
20,00
20,00
20,00
TR-5
TP-17a
TP-18
50,00
TS-60
NOTA:
Las LUCES DESTELLANTES, solo se instalarán en caso de permanecerel desvio durante la noche



APERTURA DE ZANJA CON ENTIBACION EN CALZADA



APERTURA DE ZANJA CON ENTIBACION EN ACERA