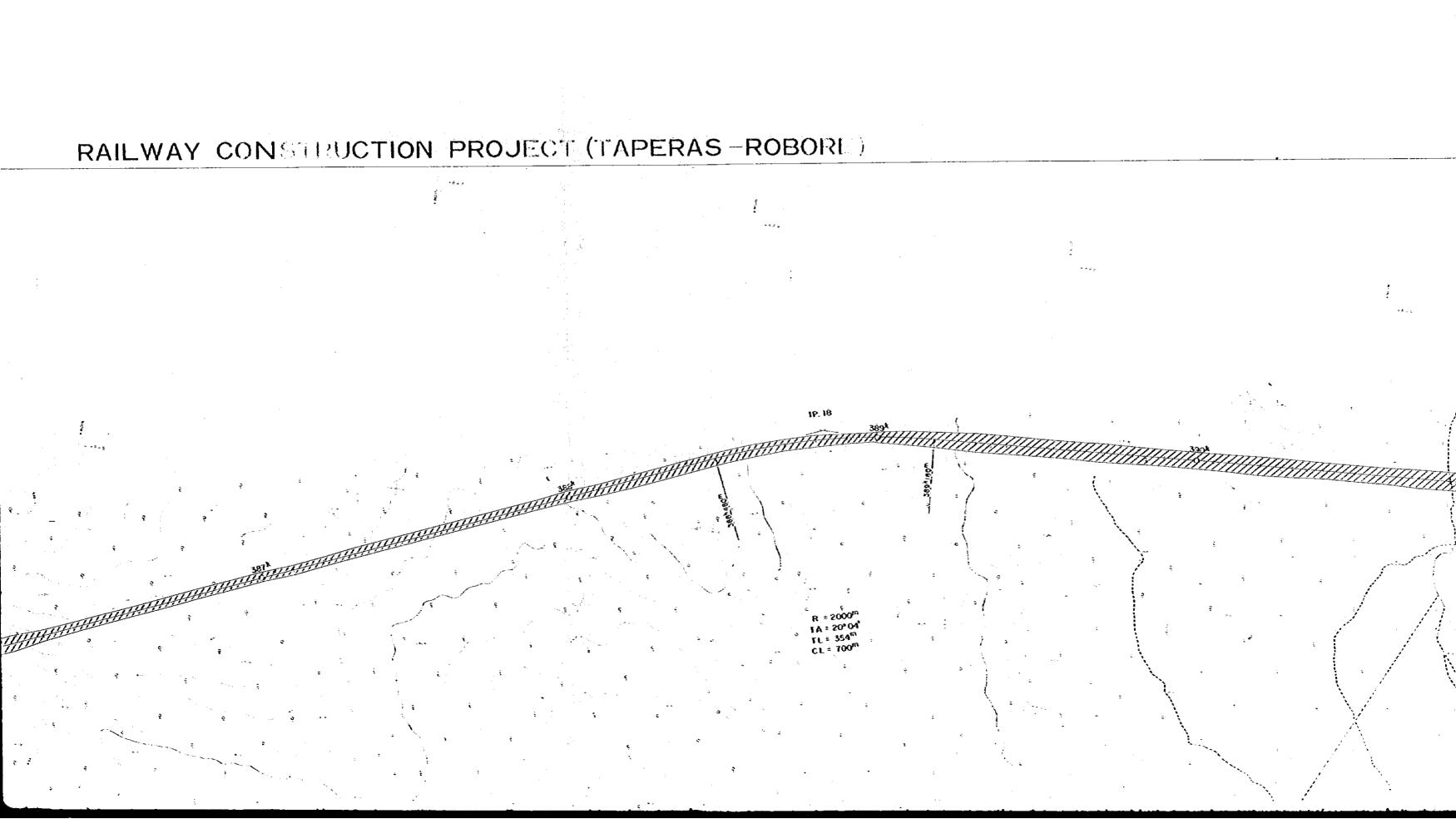
I:5000 BOLIVIA RAILWAY



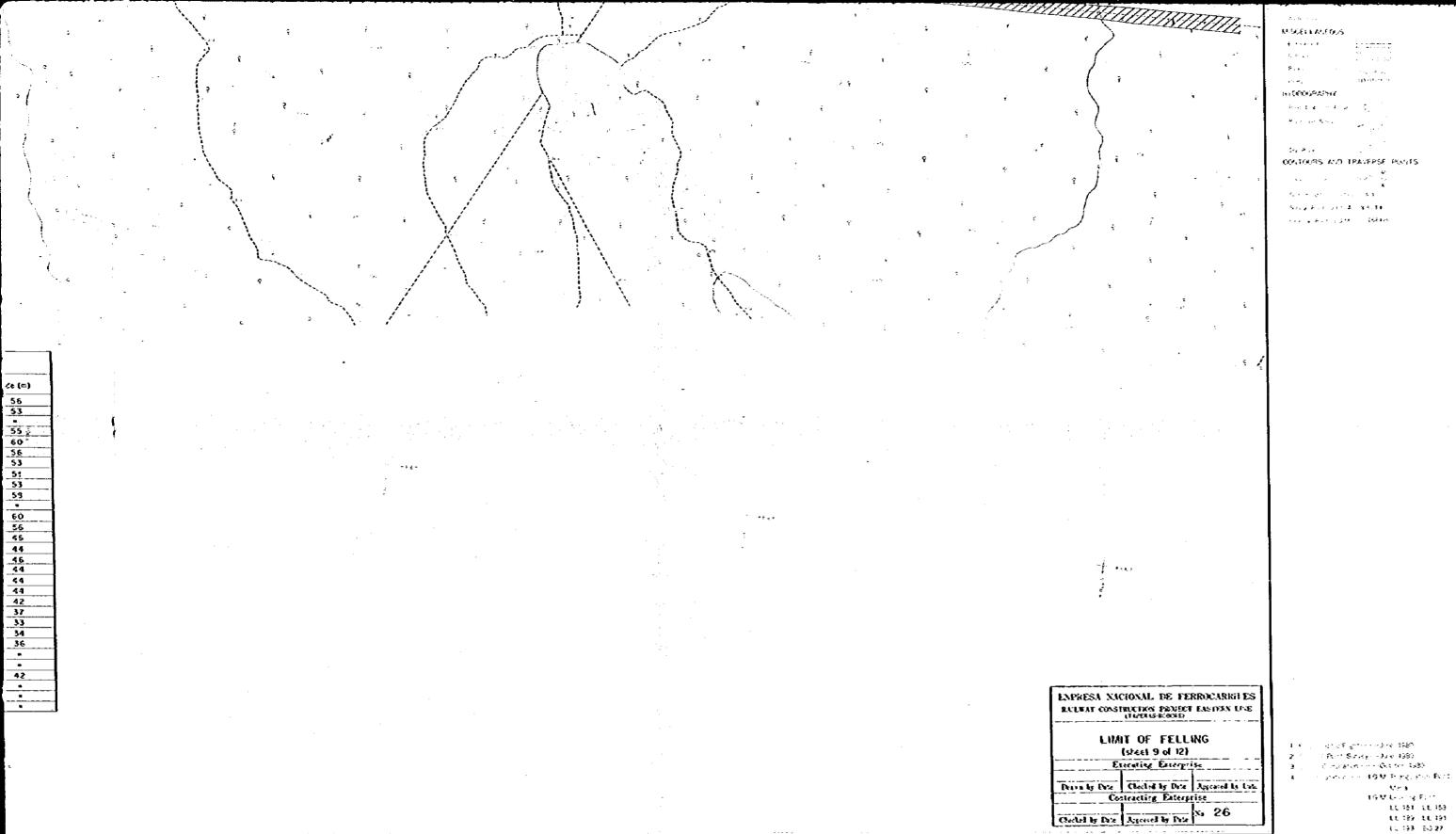


° R≠1	2000m
TL:	20°04' 354 ^m
CL =	700 ^m

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€00	44
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900	33
392 ^K 000	34
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CONTOURS AND TRAVEPSE POMES

Service Contracts

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RAILWAY CONSTRUCTION PROJECT (TAPERAS - ROBORE)

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LEGENO

ROUGH TRACKS ETC. New Report - Contract Ext 325 -- ...

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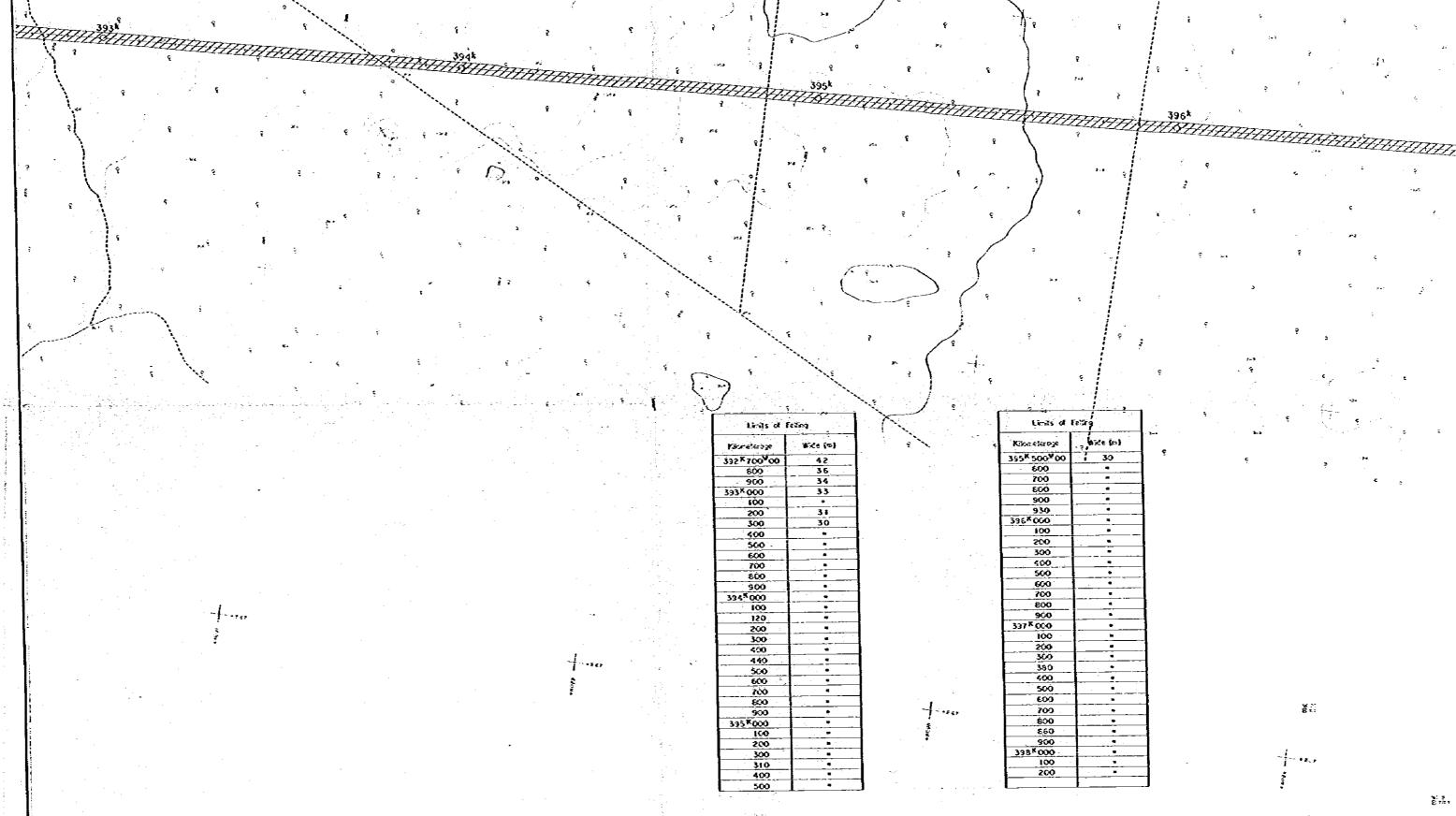
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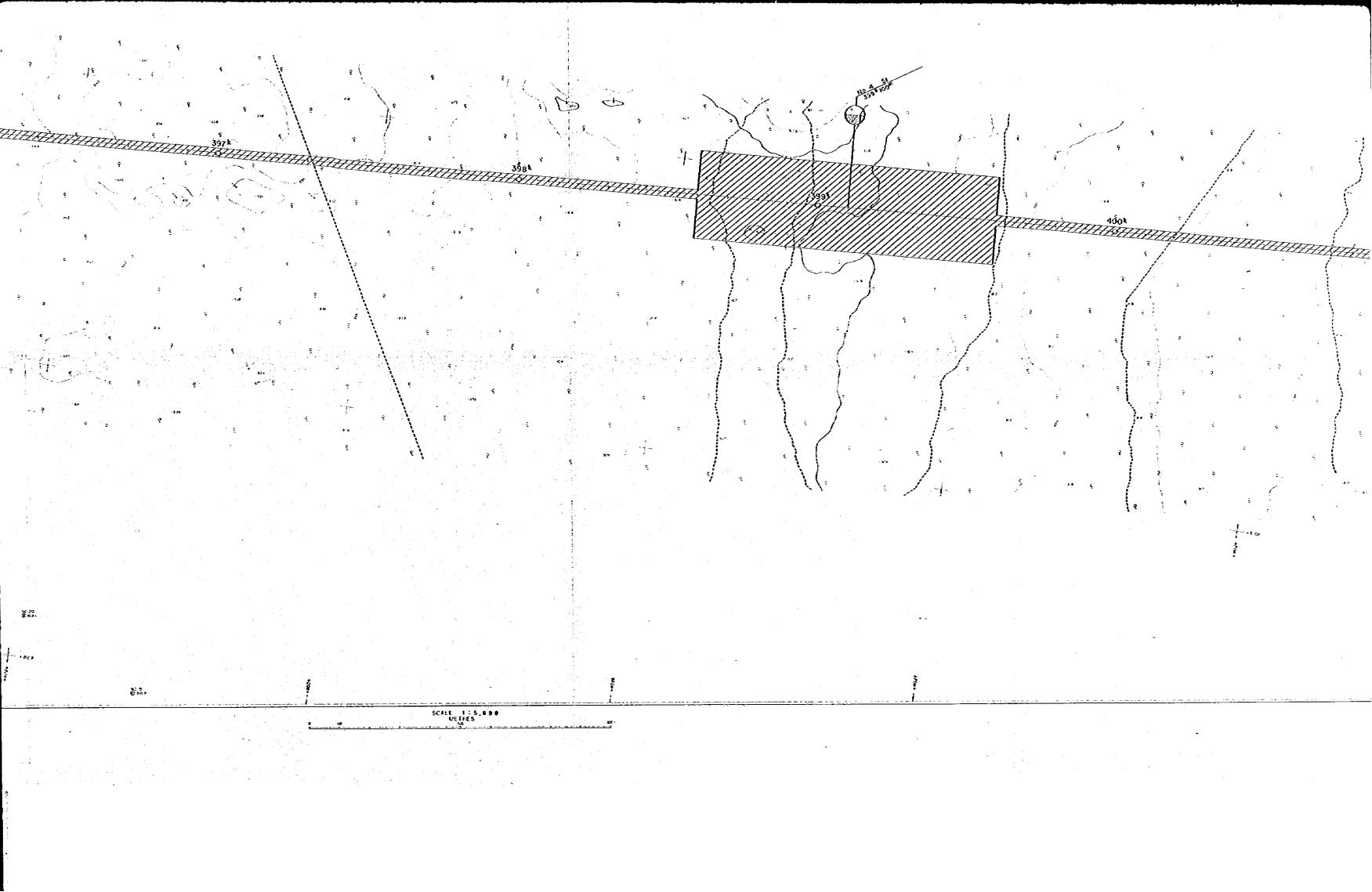
CONTOURS AND TRAJERSE POINTS

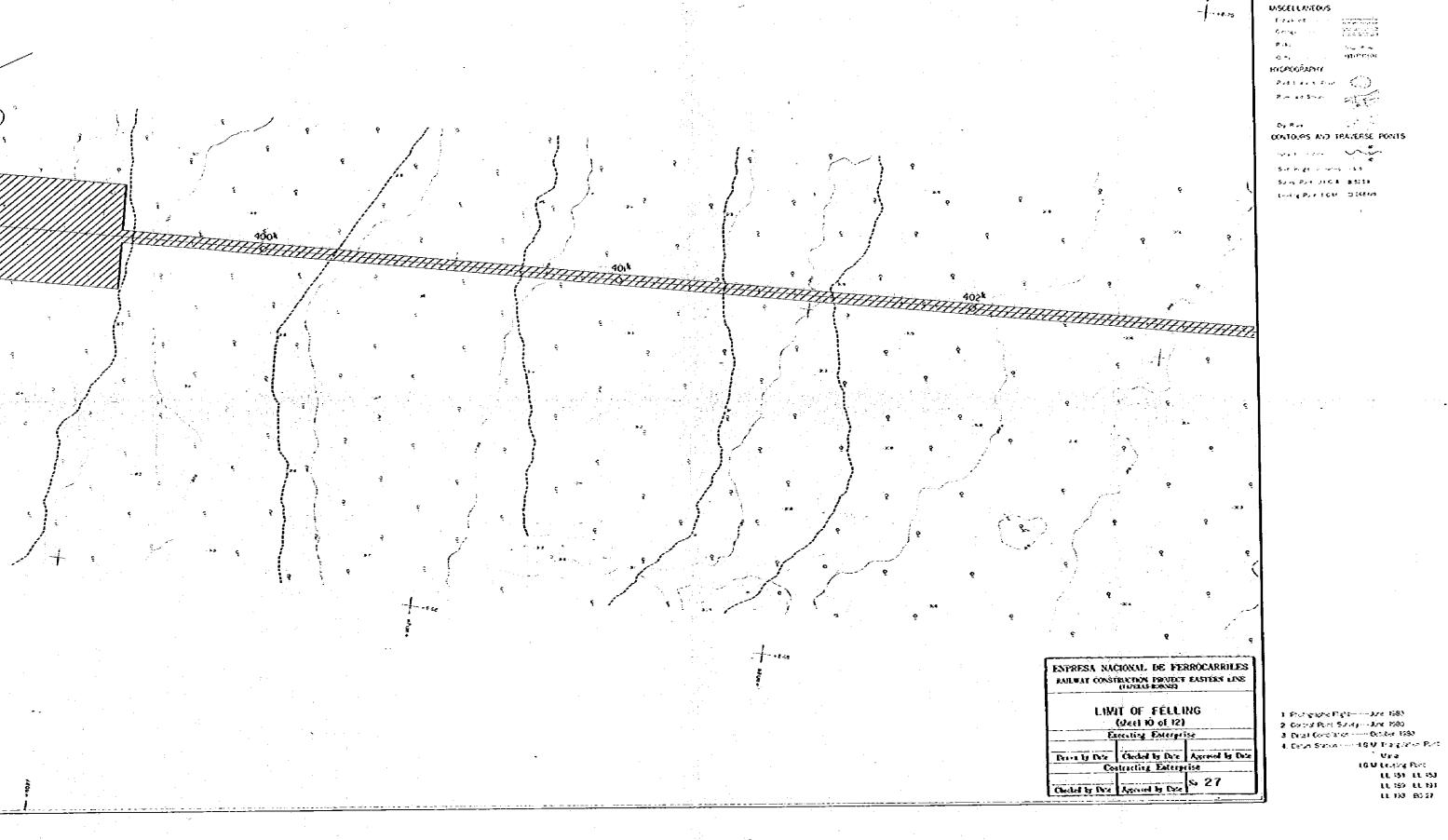
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5205 P. r. 214 A. # 2234 Congression ditten



JAPAN INTERNATIONAL COOPERATION AGENCY NO.9



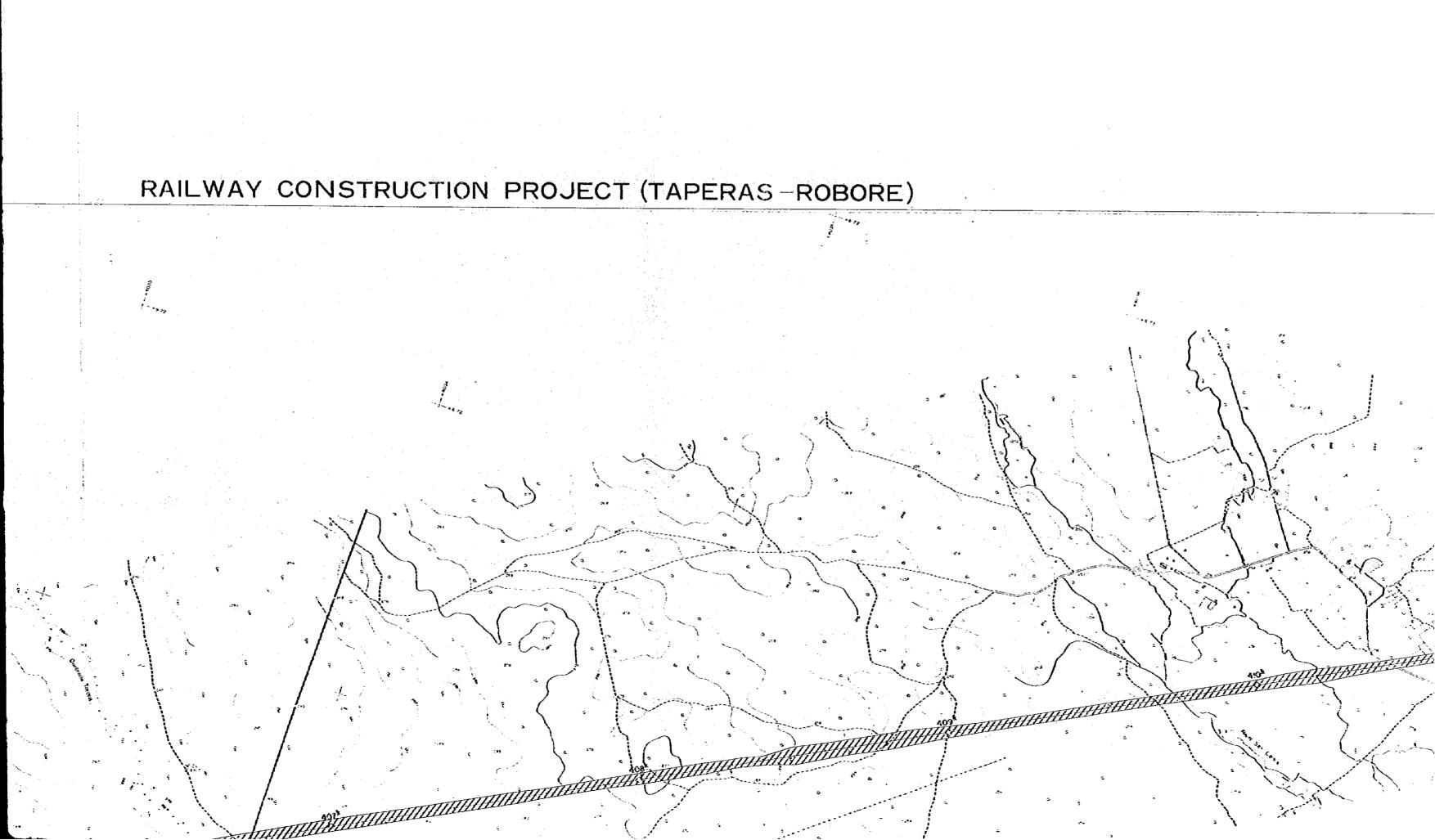


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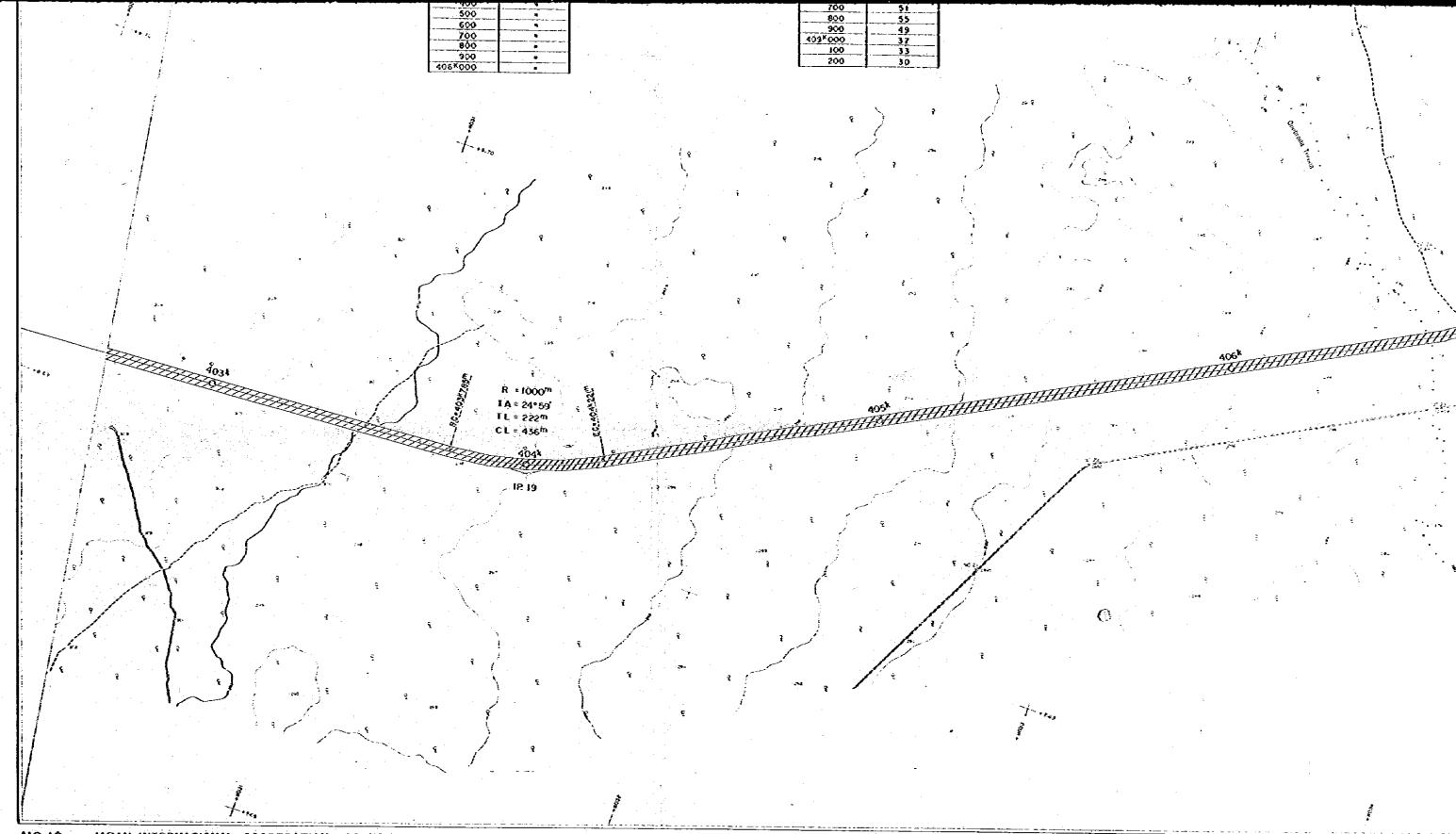
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I:5000 BOLIVIA

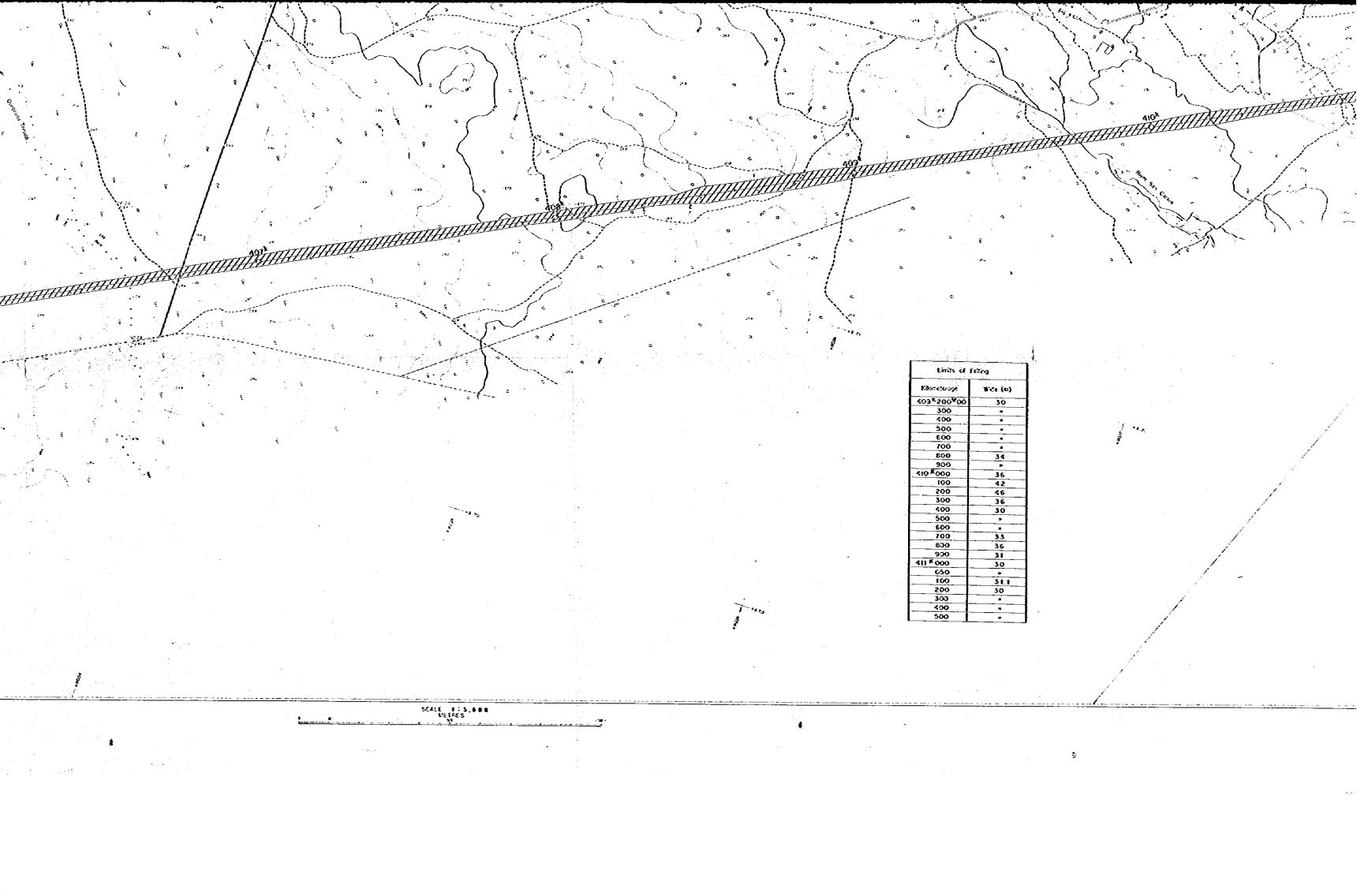
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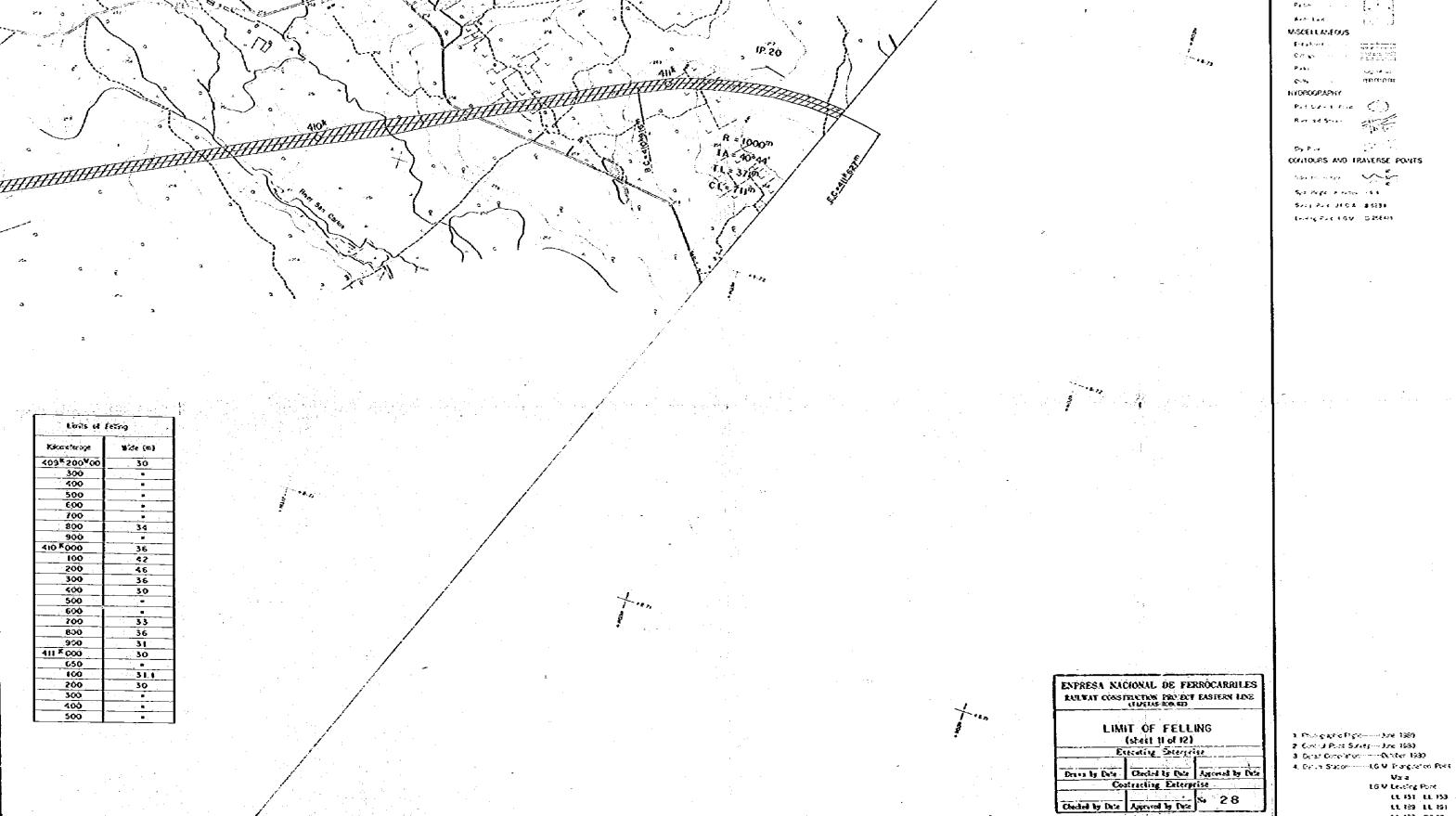






NO.10 JAPAN INTERNATIONAL COOPERATION AGENCY





LL 151 LL 153 LL 189 LL 151

LL 193 BG 27

RAILWAY CONSTRUCTION PROJECT (TAPERAS - ROBORE)

R = 500^m IA = 20*-01* IE = 88 ^m CL = 175 ^m

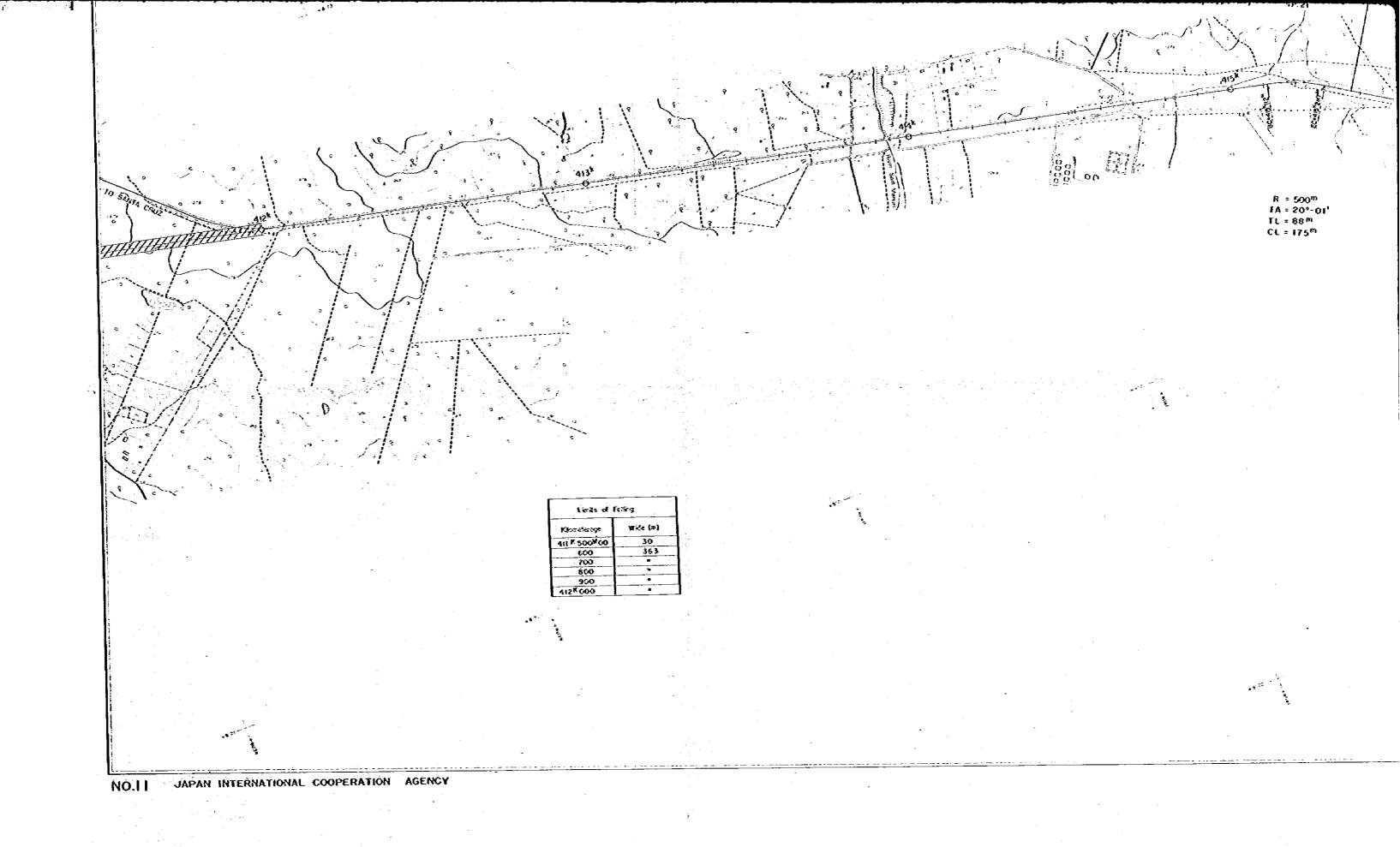




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COLORS AND TRAVERSE PONTS

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See of Free JUGA \$5218
See of Free JUGA \$5218



R = 500^m
IA = 20°-01^t
IL = 88 m
CL = 175 m (ACIS) + 8 % 51 SCALE 1:5,000

ENPRESA NACIONAL DE FERROCARRILES
RULBAY CONSTRUCTOR FRANCET EASTERN LINE
(11-22-22-2001)

LIMIT OF FELLING
(13-cal 12 of 12)

Executing Exterpose

Contracting Enterprise

Contracting Enterprise

Checked by Data Agreement by Data

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5: 430 × 430

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MASCELLANEOUS

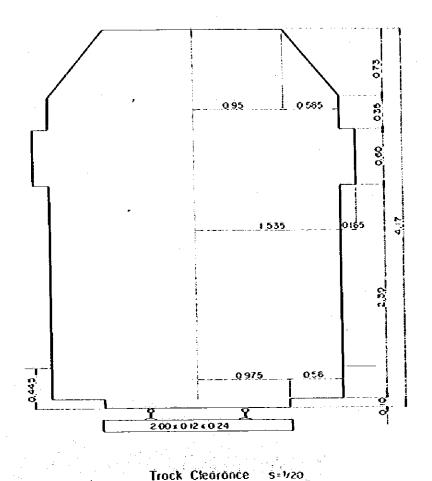
els. Cits HYDROGRAPHY

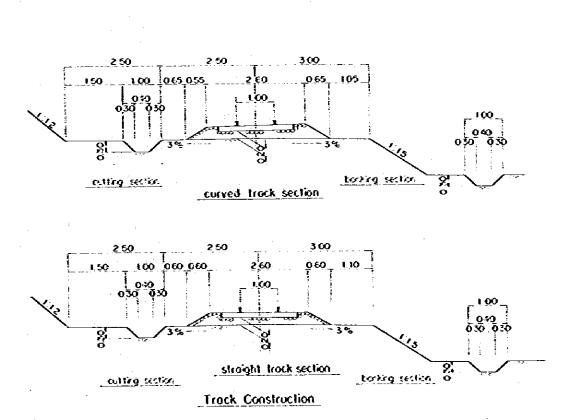
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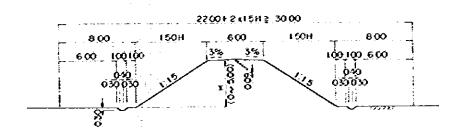
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CONTROLS AND TRAVERSE FOURS

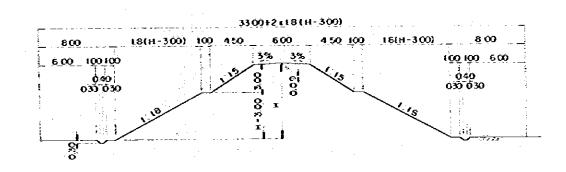
SANY PAR BICK #5284 Leaving Park EGW | Q2004455



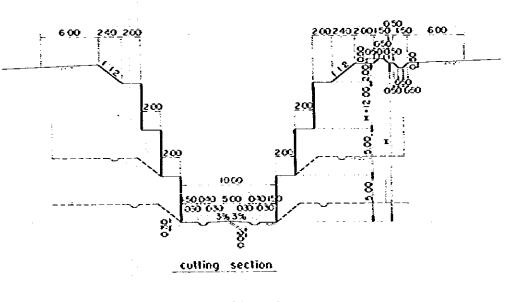




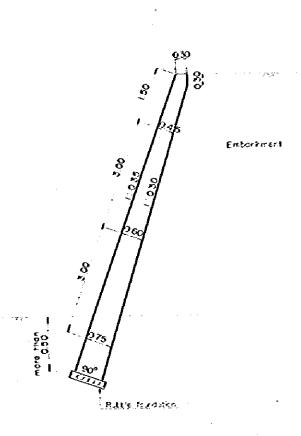
borking section (In case of embarkment of less than 5.0^m)



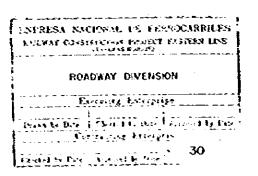
booking section (In case of emborkment of more than $5.0^{\mbox{\scriptsize m}}$)

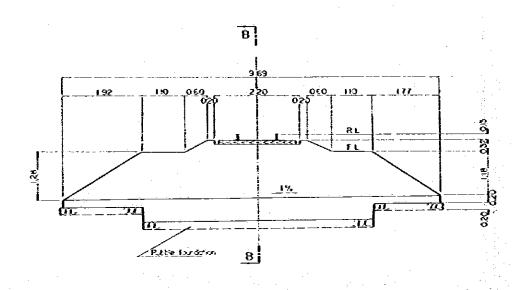


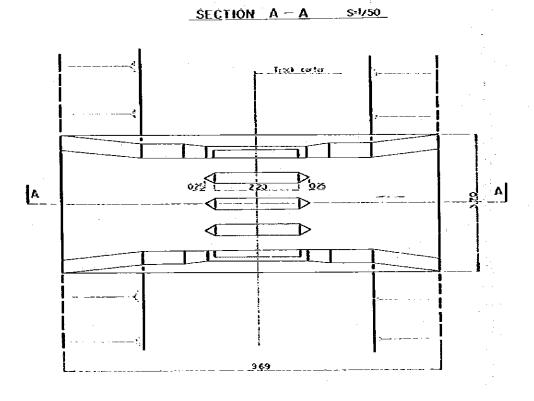
Roodway Dimension



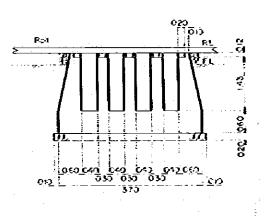
Typical section of plain concrete sheathing salvão











SECTION B - B S-1/50

Note
L Concrete : class B

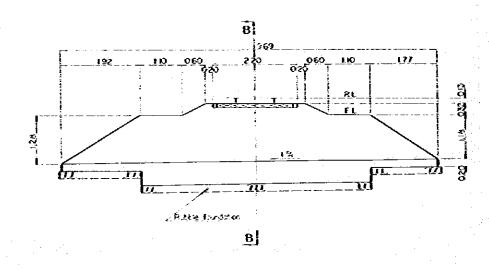
TYPICAL OF OPEN DRANAG (Do 4)

GENERAL VIEW

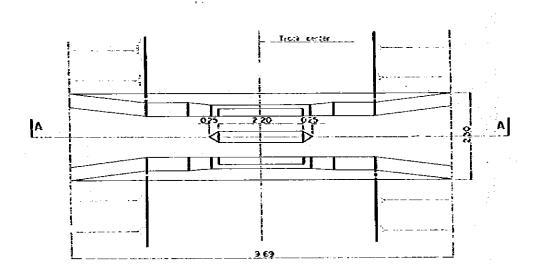
TOTAL OF SERVICES

GENERAL VIEW

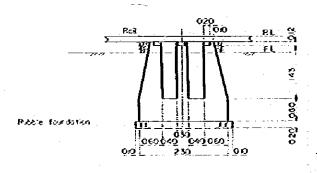
TOTAL SERVICES



SECTION A - A 5-1/50



PLAN 5:1/50



SECTION B - B S=1/50

No*e

Contrete : Class B

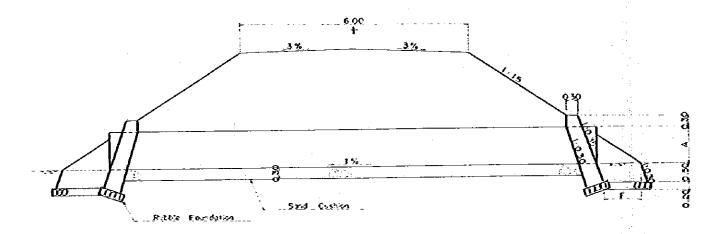
TYPICAL OF OPEN DRANAG (Do 2)

GENERAL VIEW

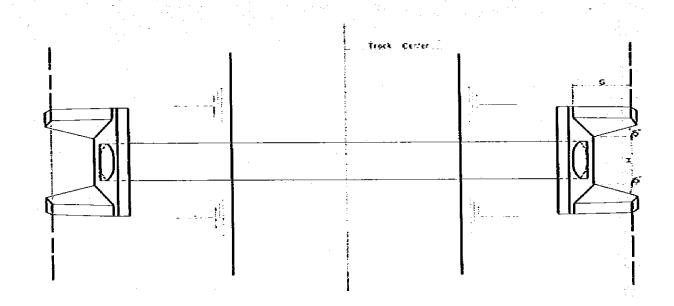
Eucling Entities

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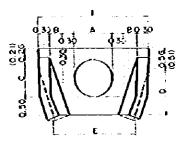
32



TYPICAL SECTION 5-1/50



PLAN SHISO



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tigter than 50m in height

FROIIT VIEW S=1/50

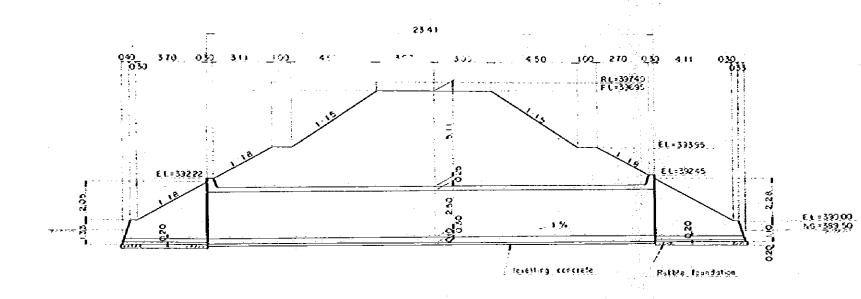
TABLE OF DIMENSTION WAITE MI

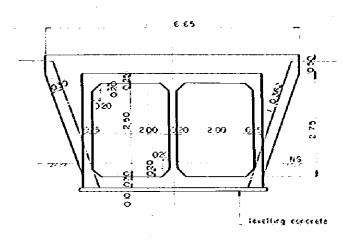
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Note Concrete to Class C

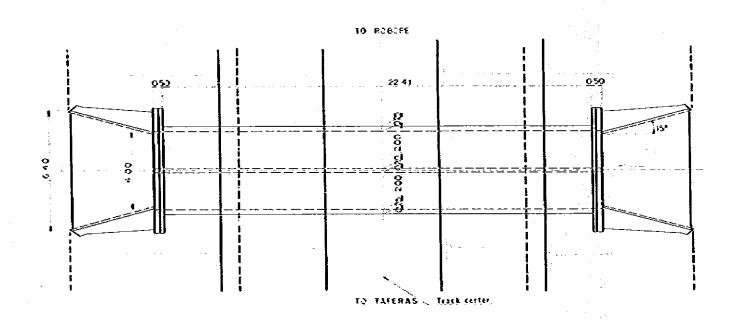
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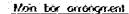


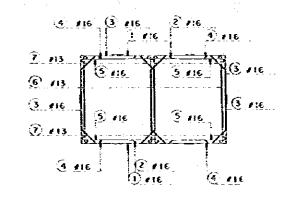
Front View s=1/50

Section s=5100



Plon s=1/100



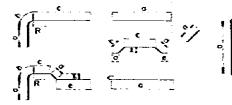


Note The class of concrete

> Ber erbeit ctass A

Steathing class C Leellerg crass C

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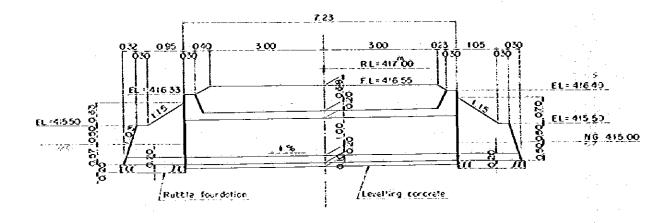


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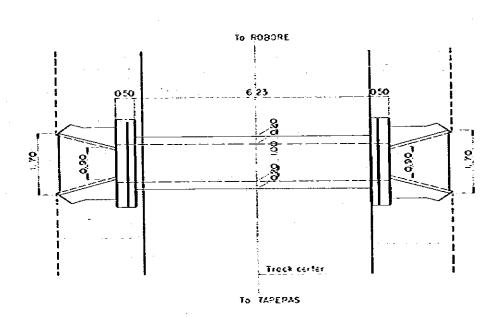
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312^K740^M to 1 Cb BOX CULVERT GENERAL VIEW

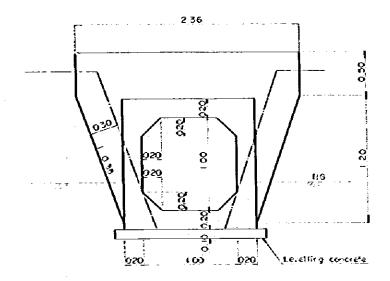
Capter Service Service 34



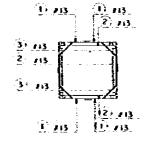
Section s=1/50



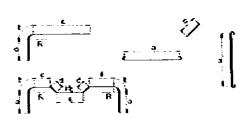
Plan s=V50



Front View s=1/20



Mon bor Arengment



Bor schedule per 1 meter

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The class of concrete

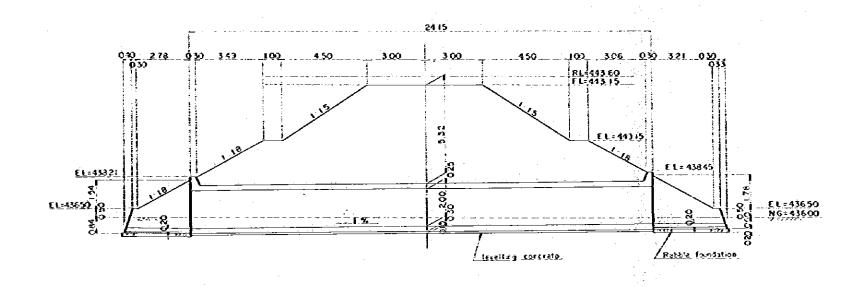
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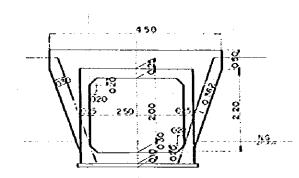
🐧 Stephing 📑 class C

5 Levelling 1 class 0

ENPRESA NACIONAL DE FERROCARRILES
RULBAT ONSIPICION I INNECT EASIEM EDE

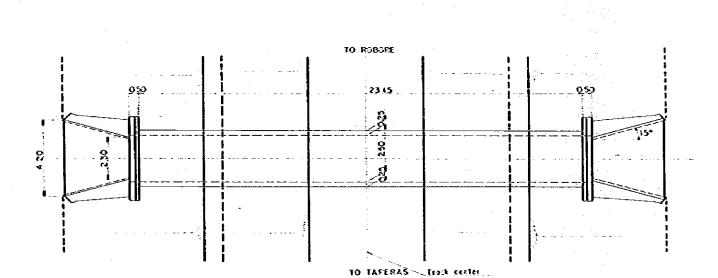
314^R700^W NO 2 Cb
BOX CULVERT
GERERAL VIEW
Executive Exterprise
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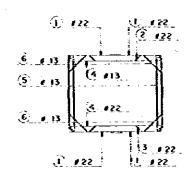
Front View 5=1/50

Section s-1/100

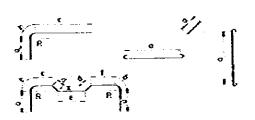


Plan s=1100

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Bor schedule per I meter



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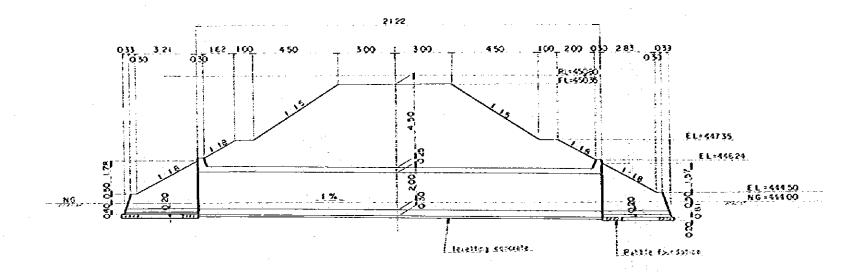
The coass of concrete

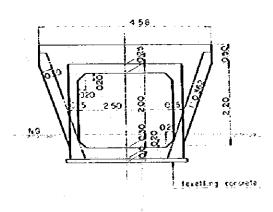
Stephen Coss A
Stephen Coss C
Leeling Coss D

ENTRESA NACIONAL DE PRIFOMENTES PRIMAR GASTELLAN DE LA CANTESTENS

317 K 360 M No 3 Cb BOX CULVERI GENERAL VIEW

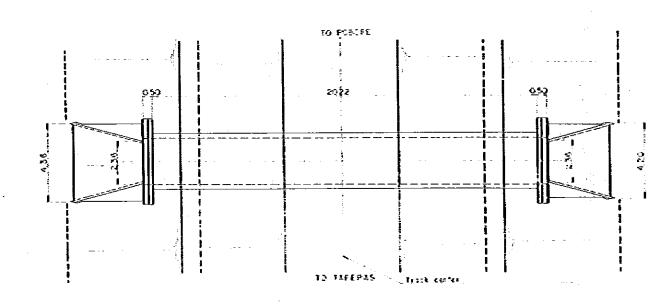
Controller Control Section 19 and the law Controller 19 and 19 an





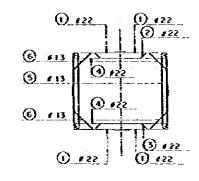
Front View

Section s=4000

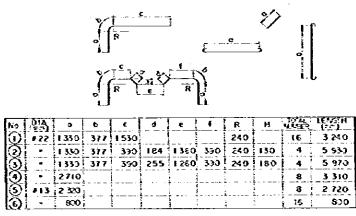


Plan s=1/100

Moin bor Arrongment



Bor schedule per I meter

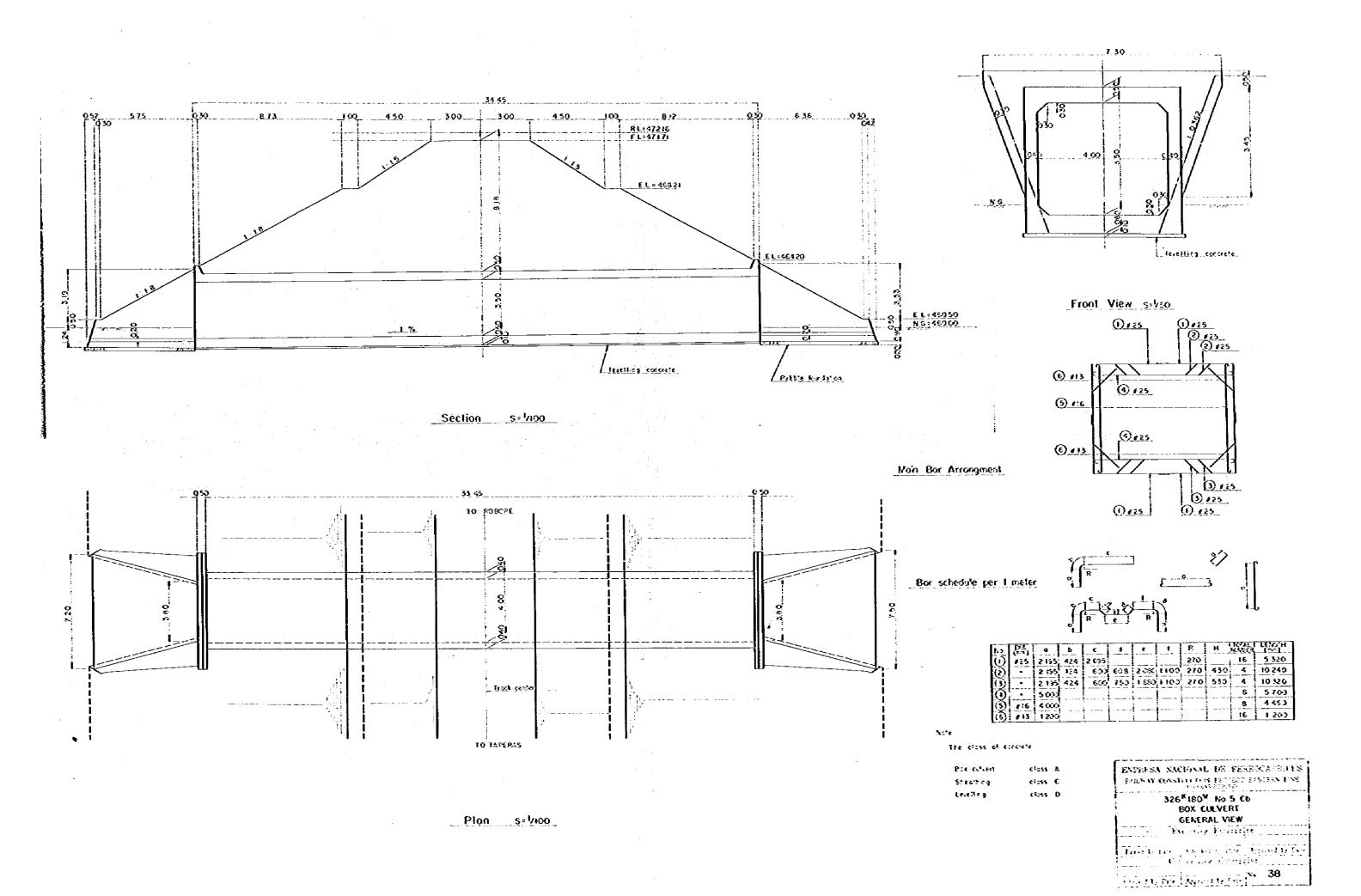


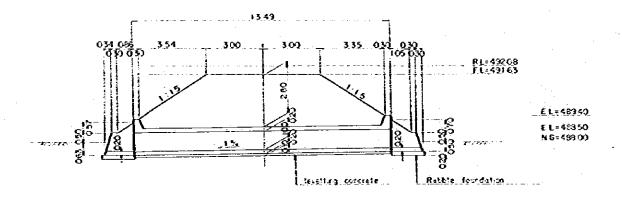
No.

The class of concrete

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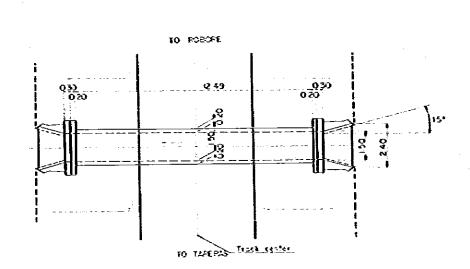
Section s=Vico

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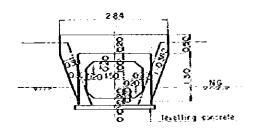
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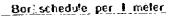
3 113 P

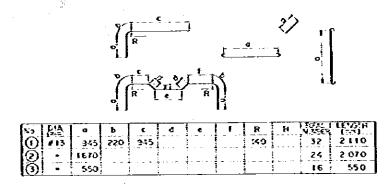


Plan s=1/100



Front View s=1/50

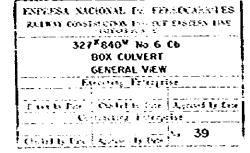


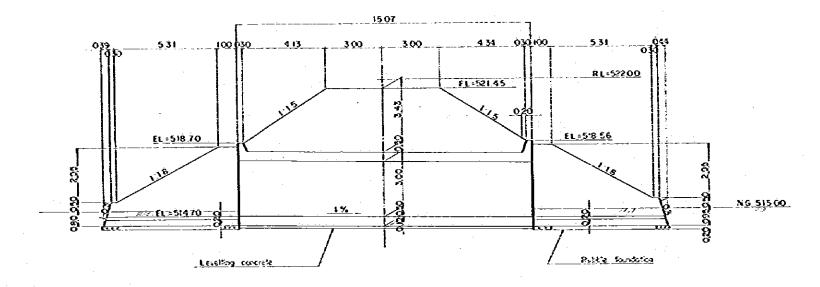


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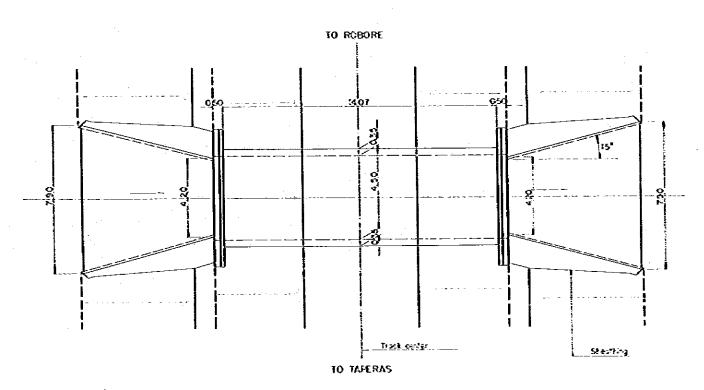
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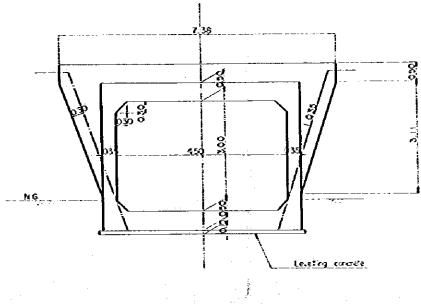




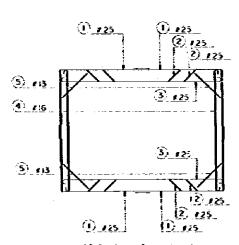
Section s=1/100



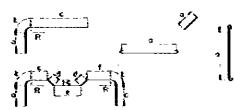
Plan s=1/:00



Front View s=150



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Bor schedule per I meter

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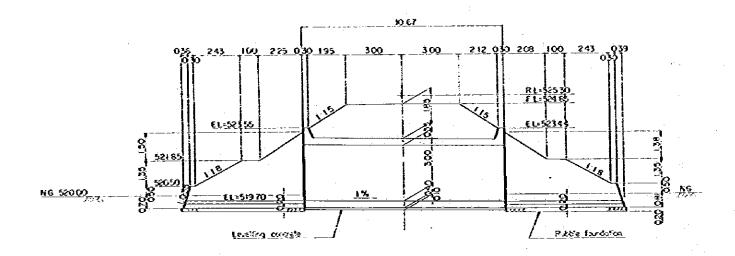
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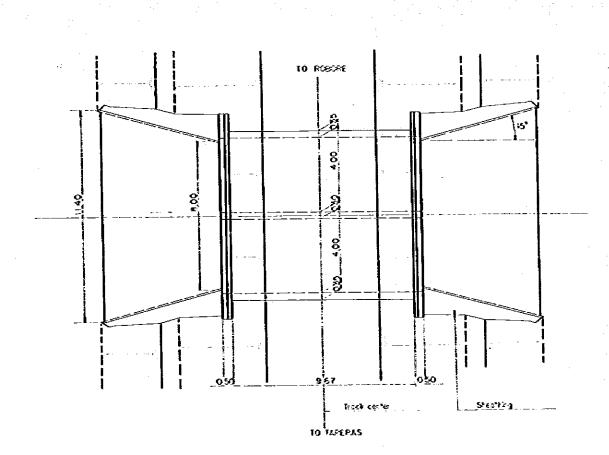
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BOX CULVERT

GENERAL VIEW
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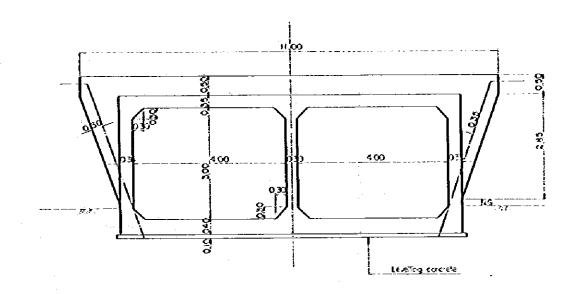
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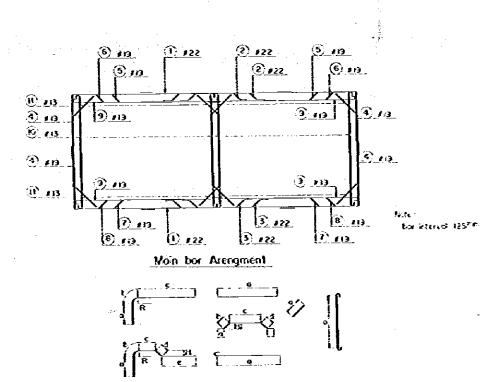
Section s=1/100



Plan s=1/100



Front View s=1/50



Bor schedule per 1 meler

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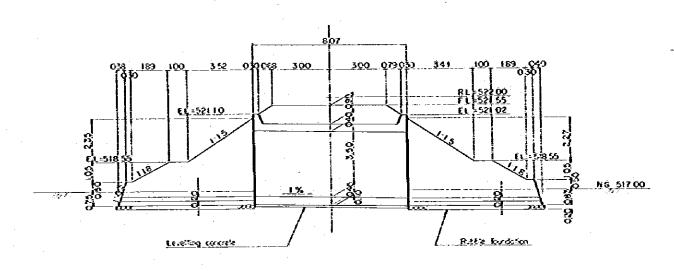
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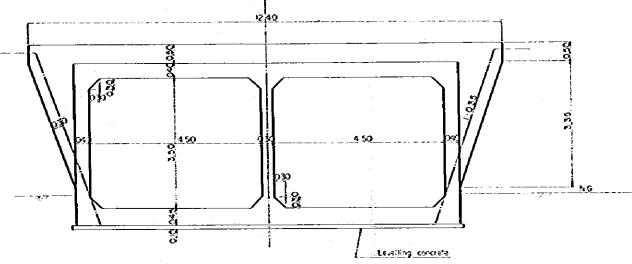
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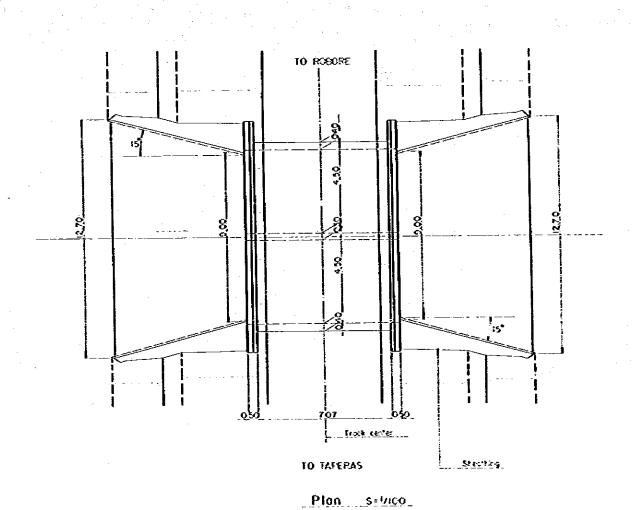
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Front View s=150

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Bor schedule per 1 meter

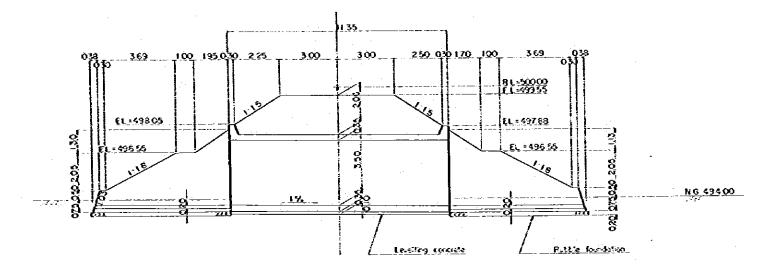
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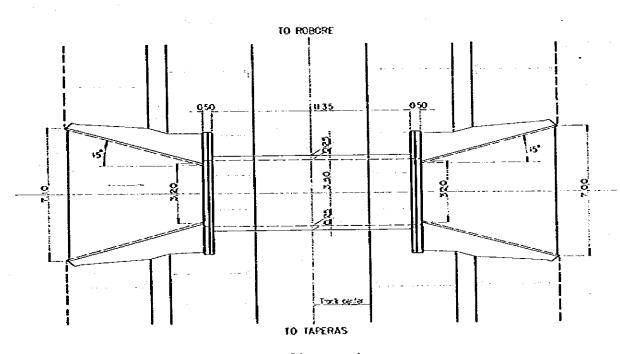
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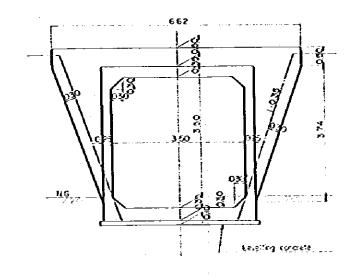
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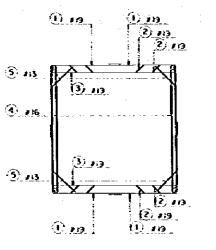




Plon s=1/100



Front View s-1/50



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Bor schedule per I meter

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ENPRESA NACIONAL DE FERROCARRILES RUBAY CASHICUTA PROJECT FISHER INE

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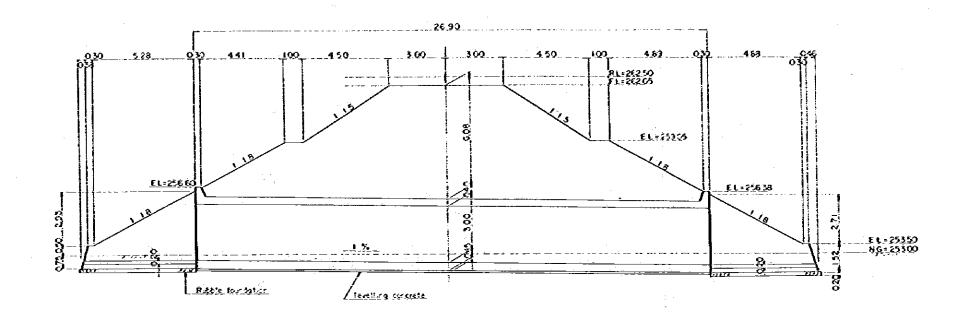
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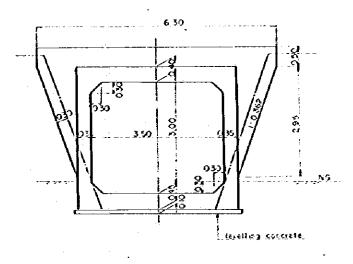
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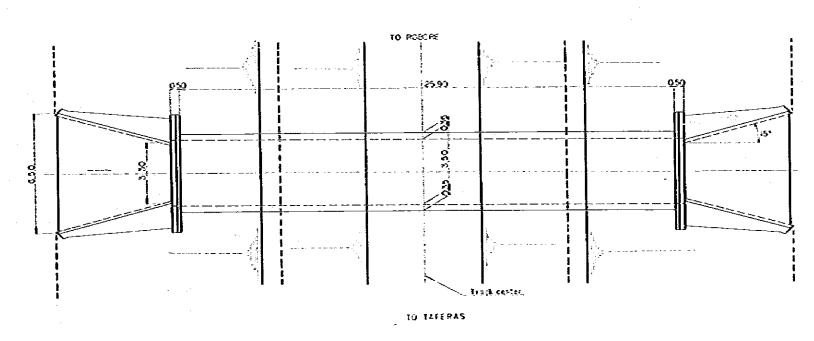
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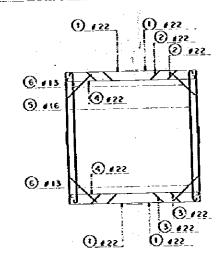
Front View s=1/50

Section s=1/100

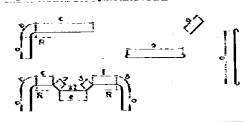


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Bor schedule per 1 meter



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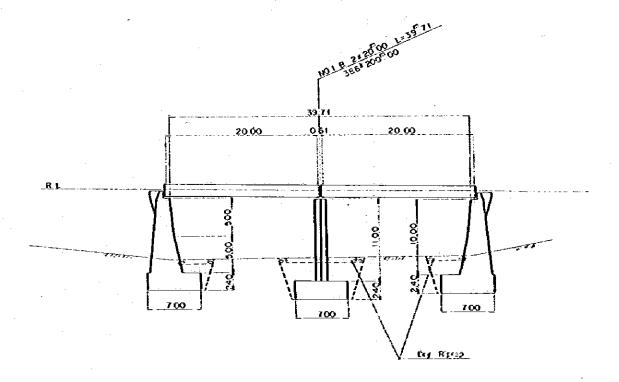
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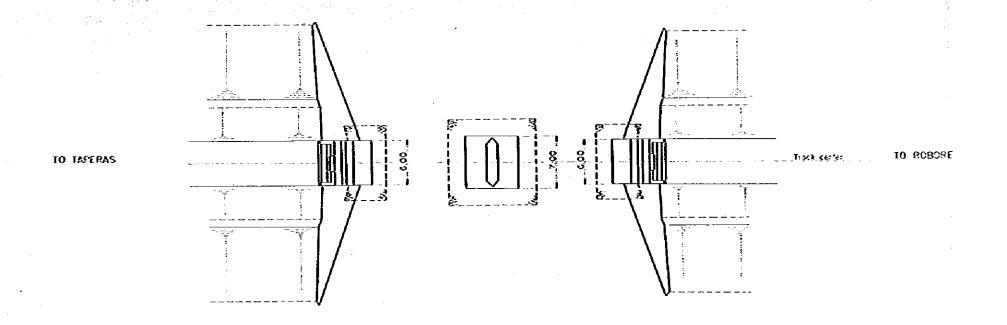
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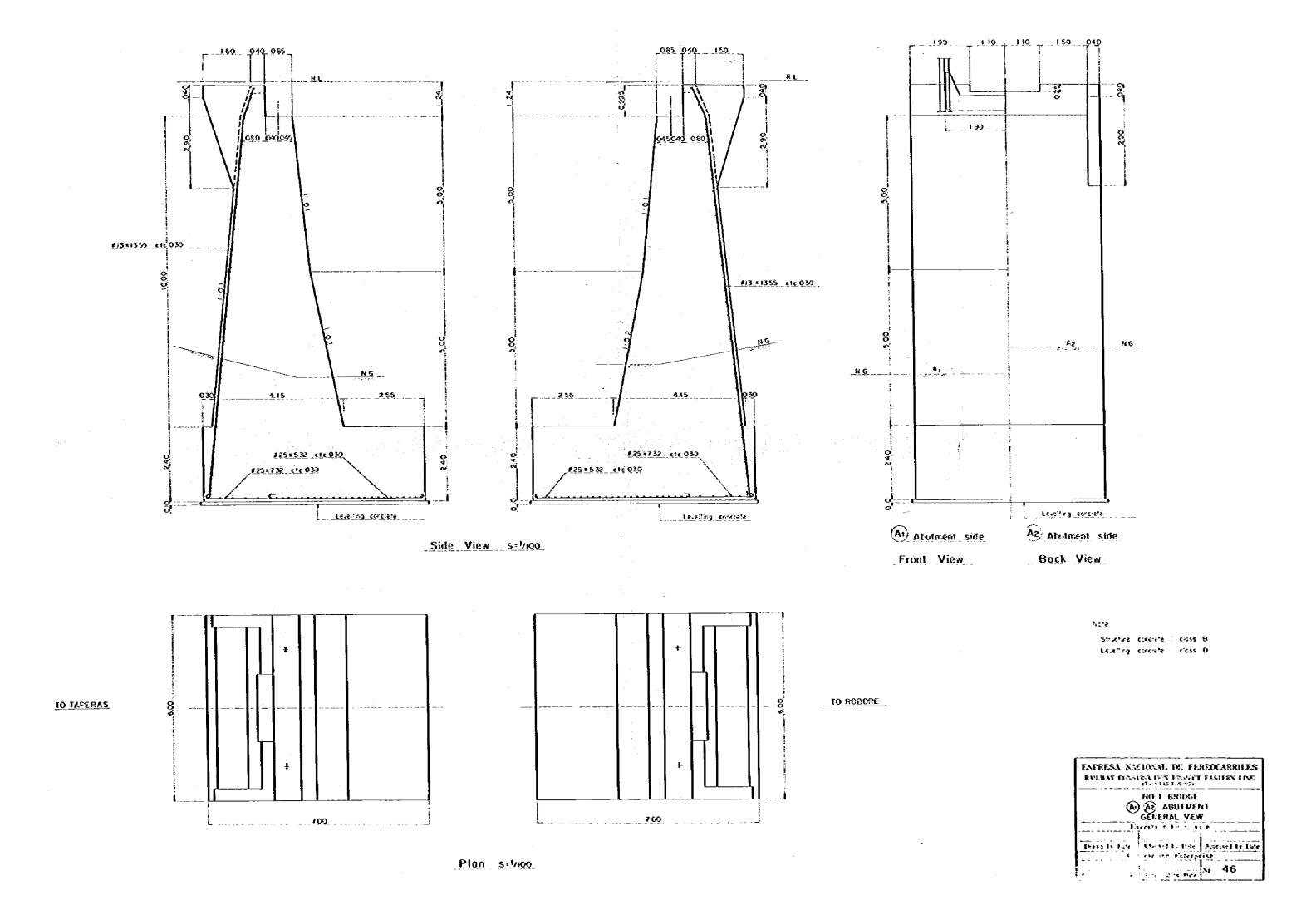


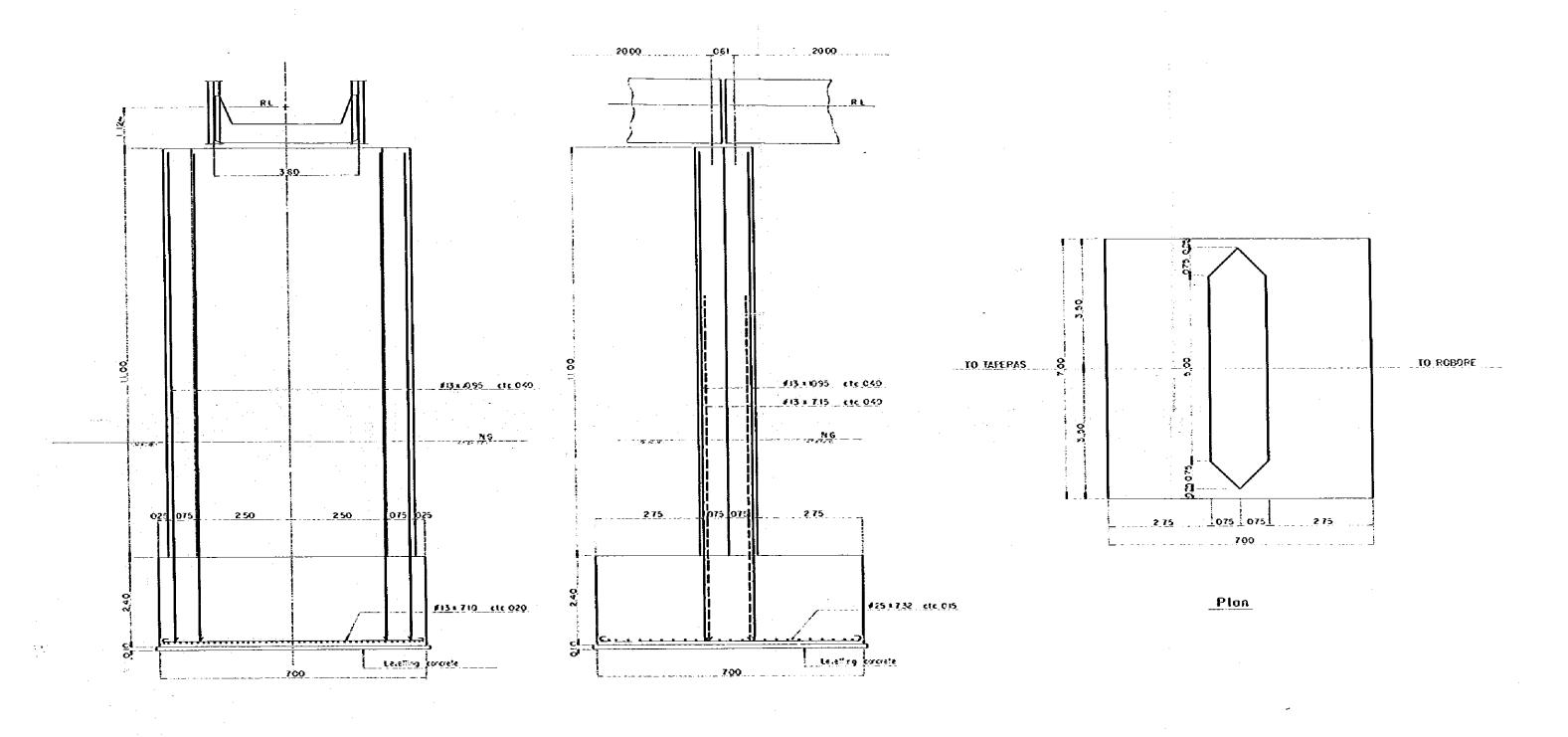
longitudinal section



Plan s-1250

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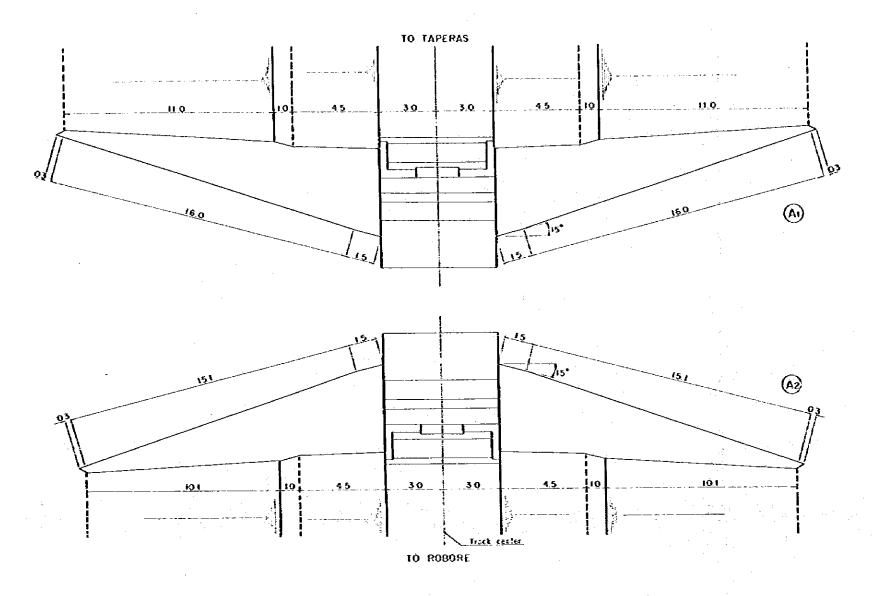


Front View

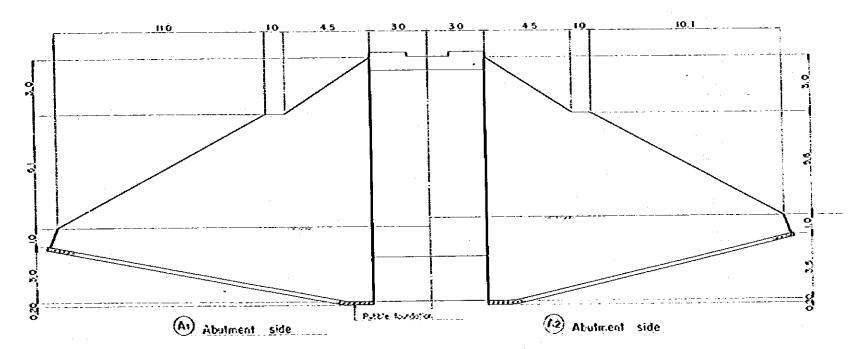
Side View

Structure concrete li closs B Levelling concrete li closs D

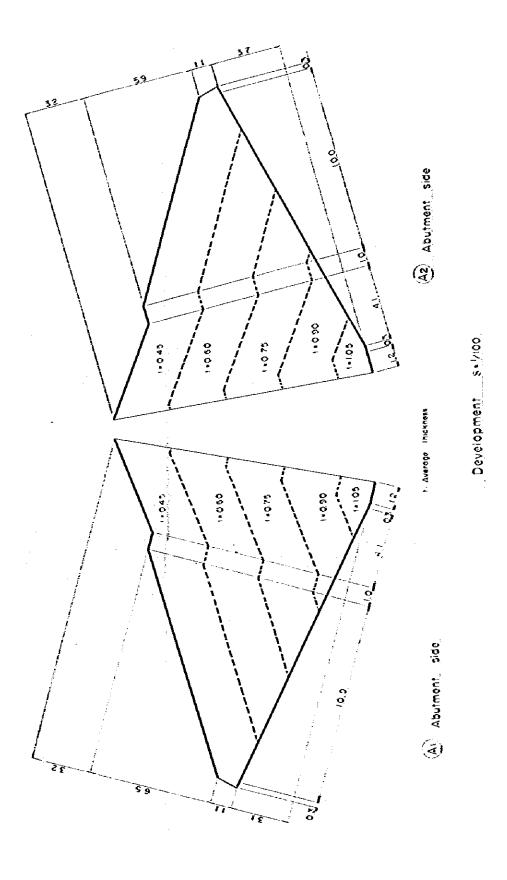
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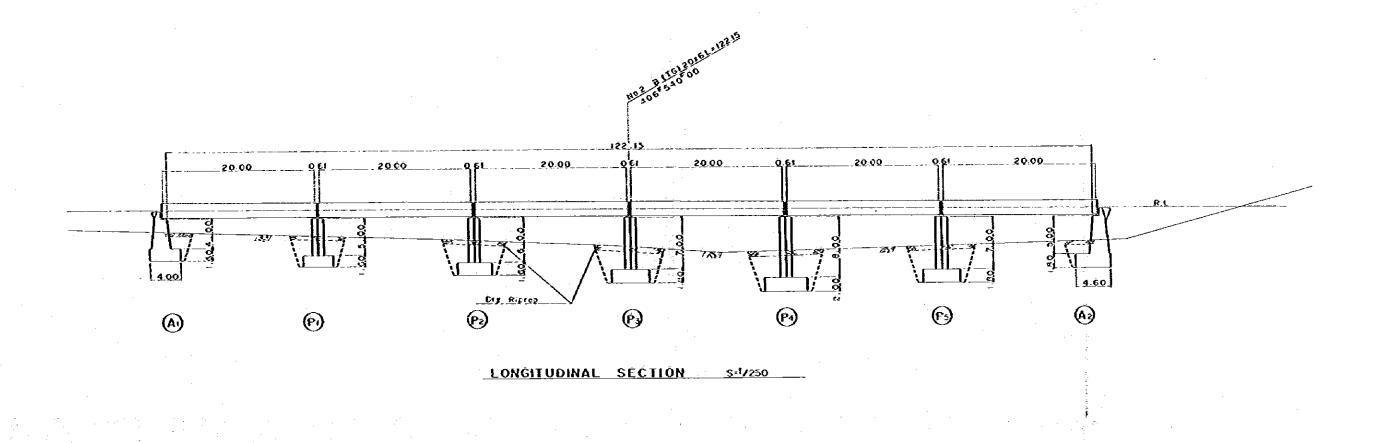
Plan s=1/100

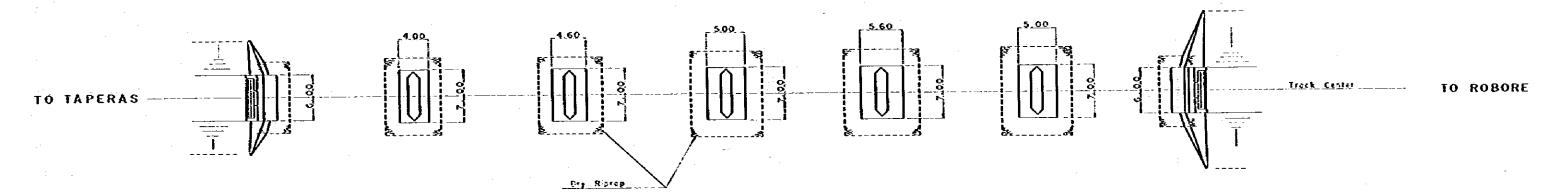


Front View s=1/100



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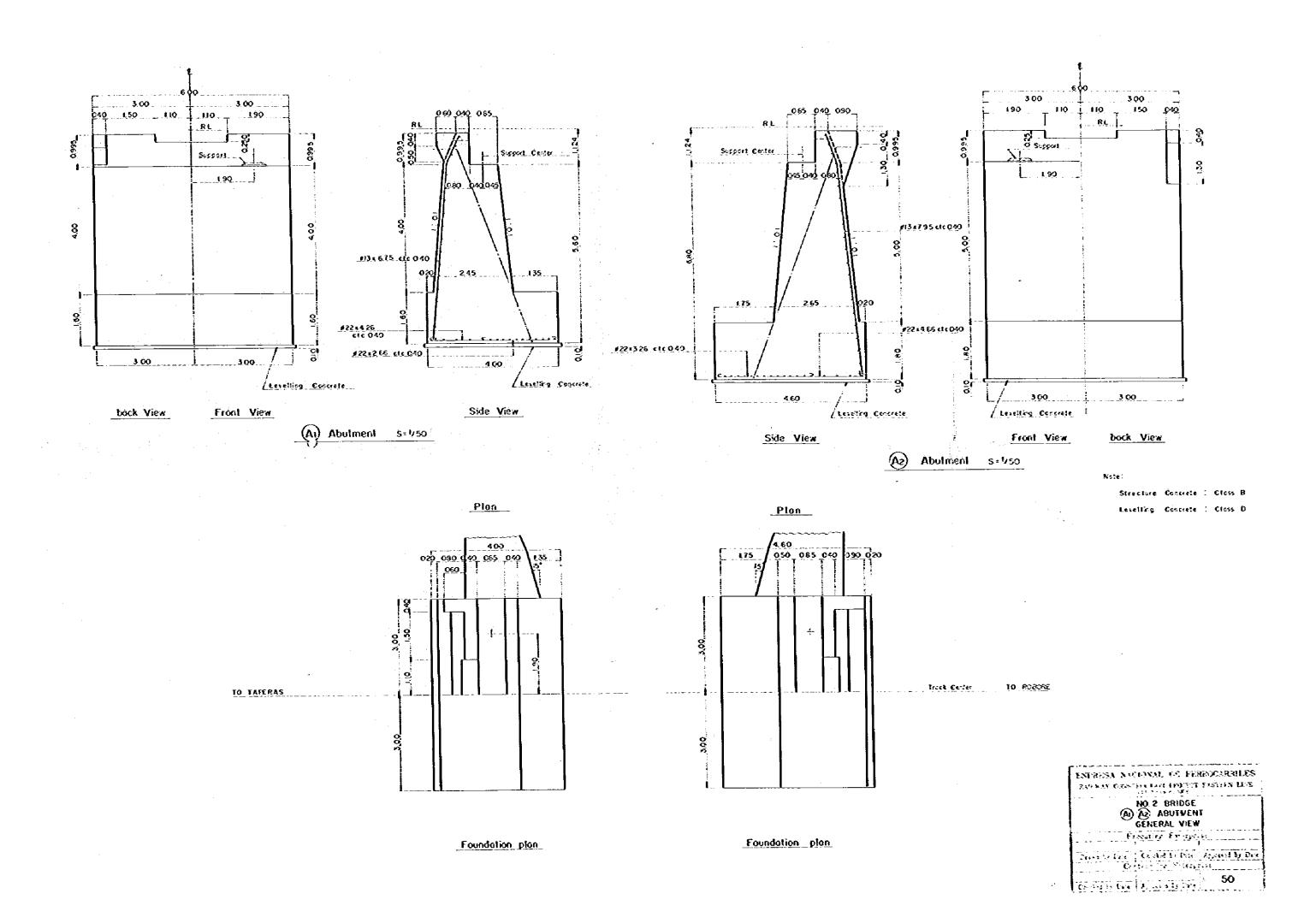
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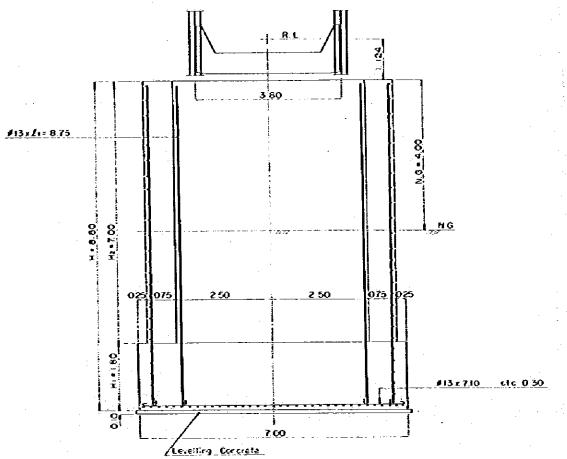
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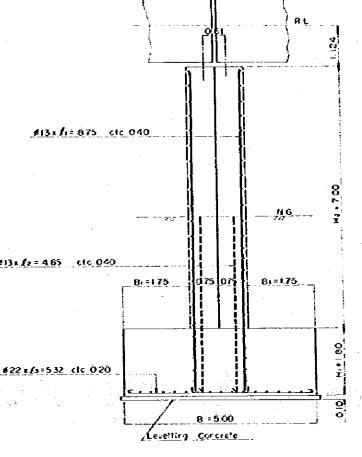




Front View_

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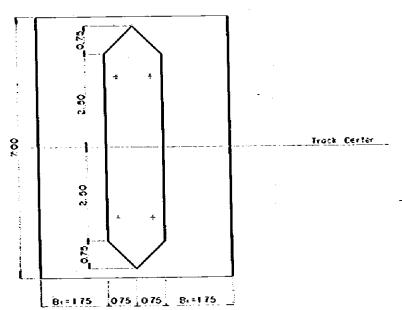
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Side View

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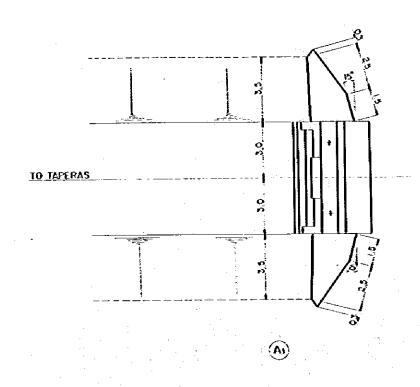


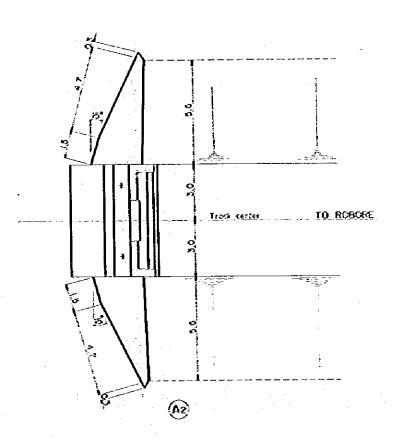
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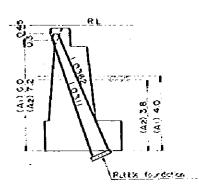
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Streeters concrete: Class B Levelling concrete: Class D

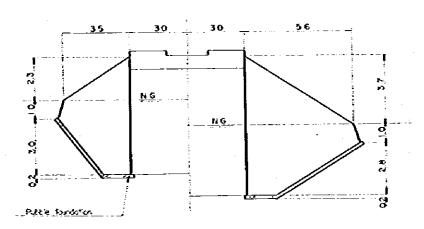




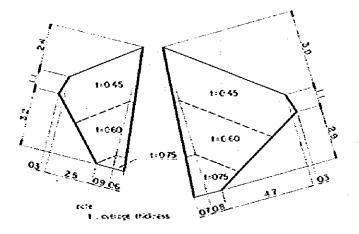


Typical section S=1/100

Pion s=1/100



A) Abulment side A2 Abulment side Front View 5:1/100



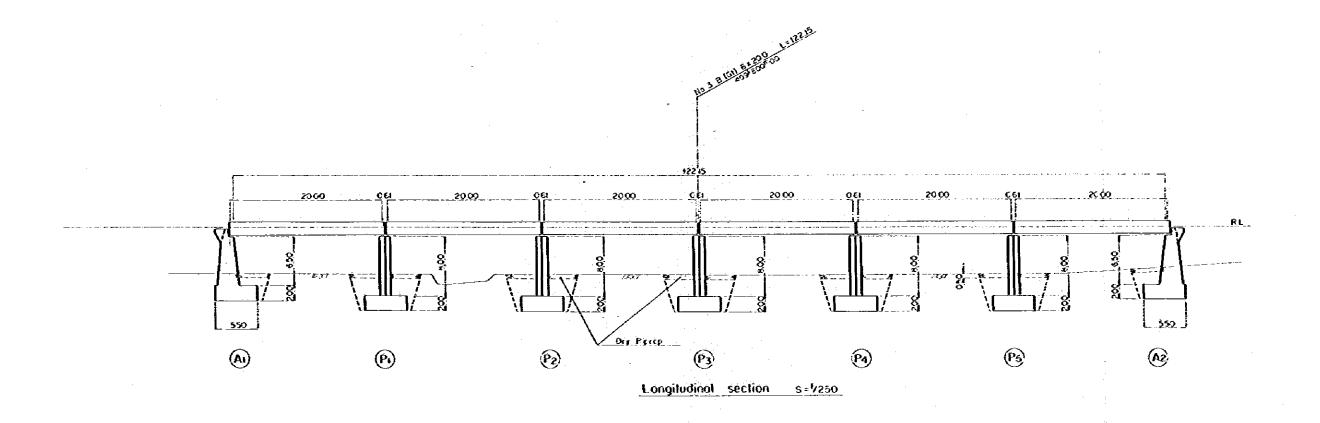
Az Abulment side

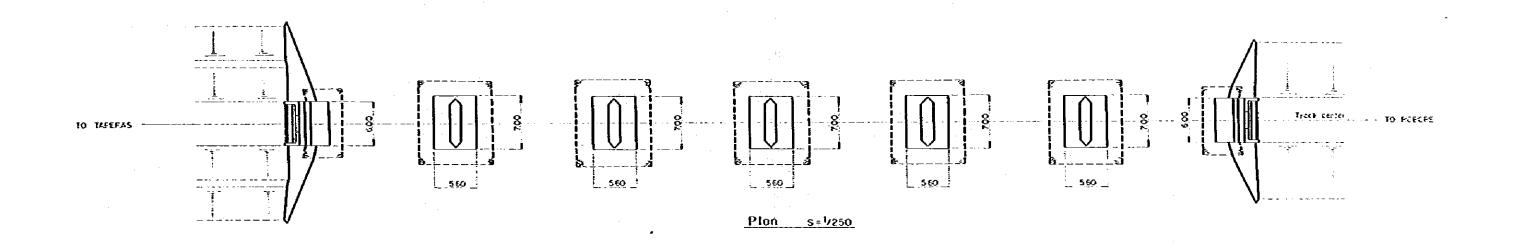
Development S=1/ICO

A) Abulment side

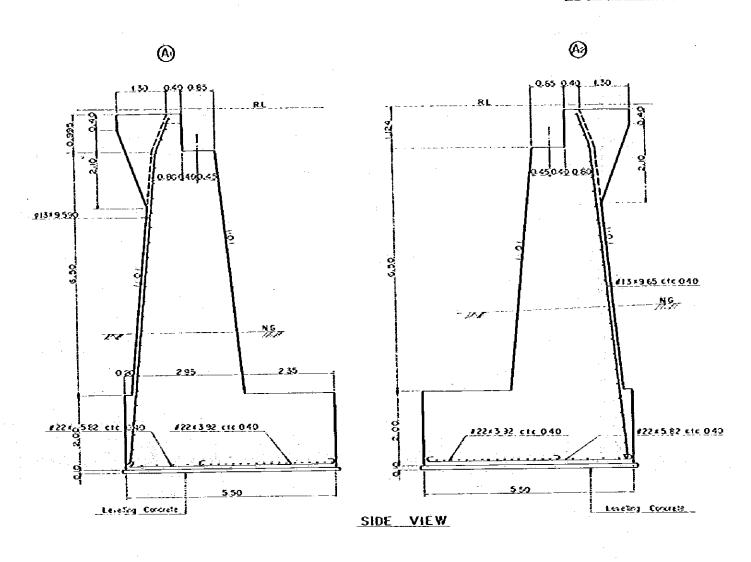
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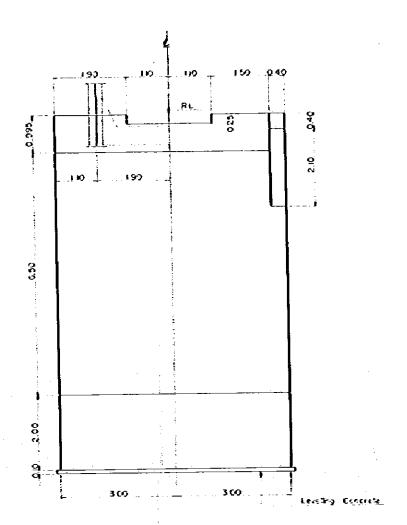
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FRONT VIEW BACK VIEW

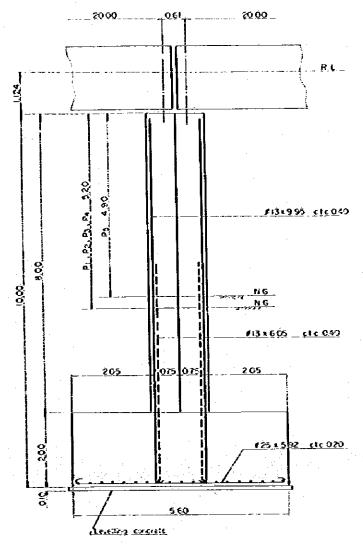
PLAN ---- Track.. Center -- TO ROBORE TO TAPERAS - 8 .5.50..... 559....

FOUNDATION PLAN

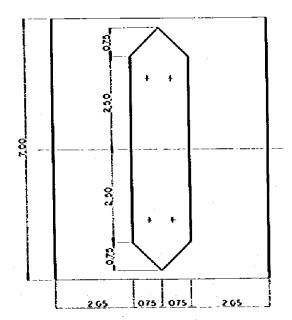
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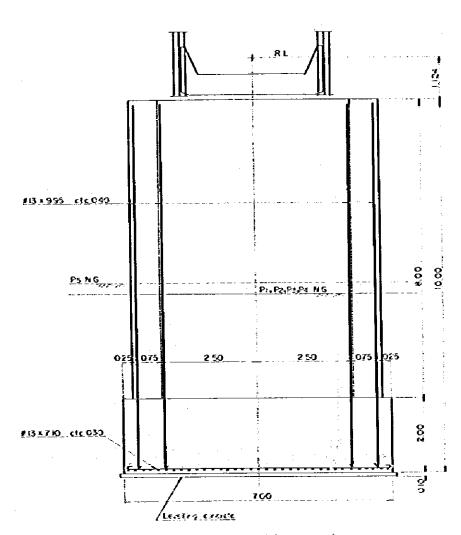
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Side View s=1/50



Plan s=1/50

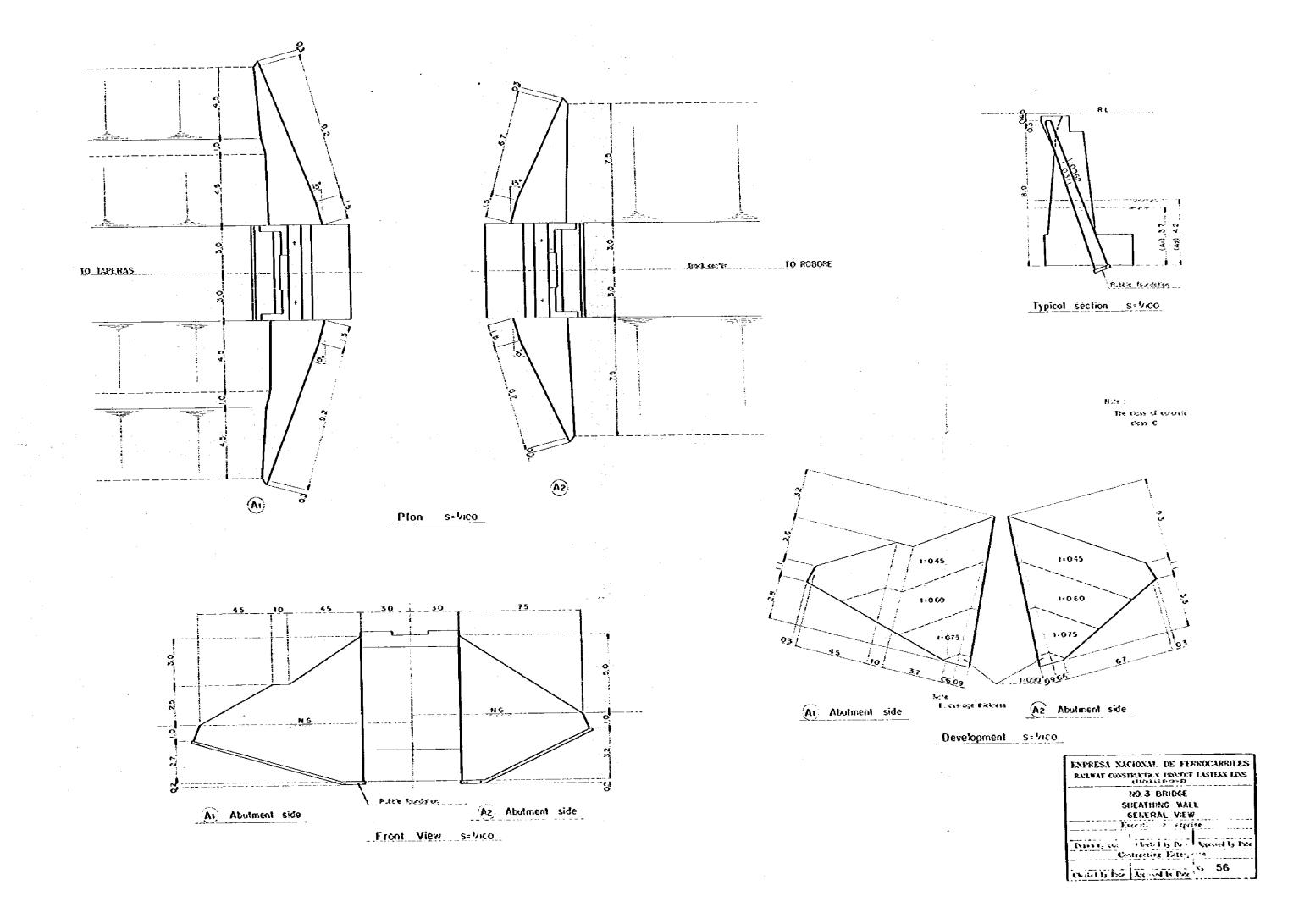


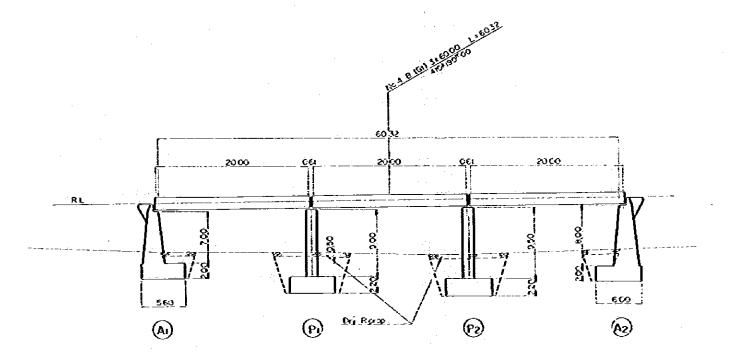
Front View s=1/50

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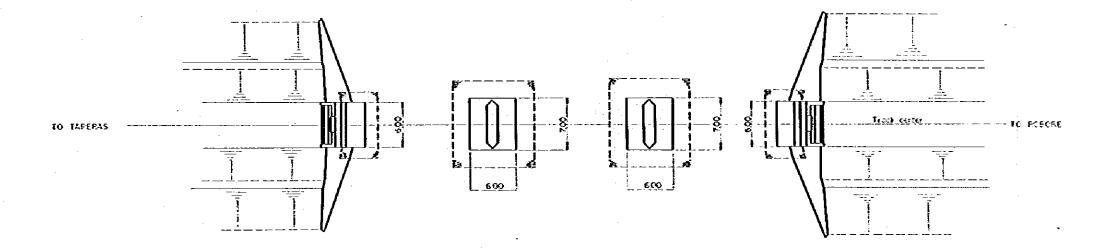
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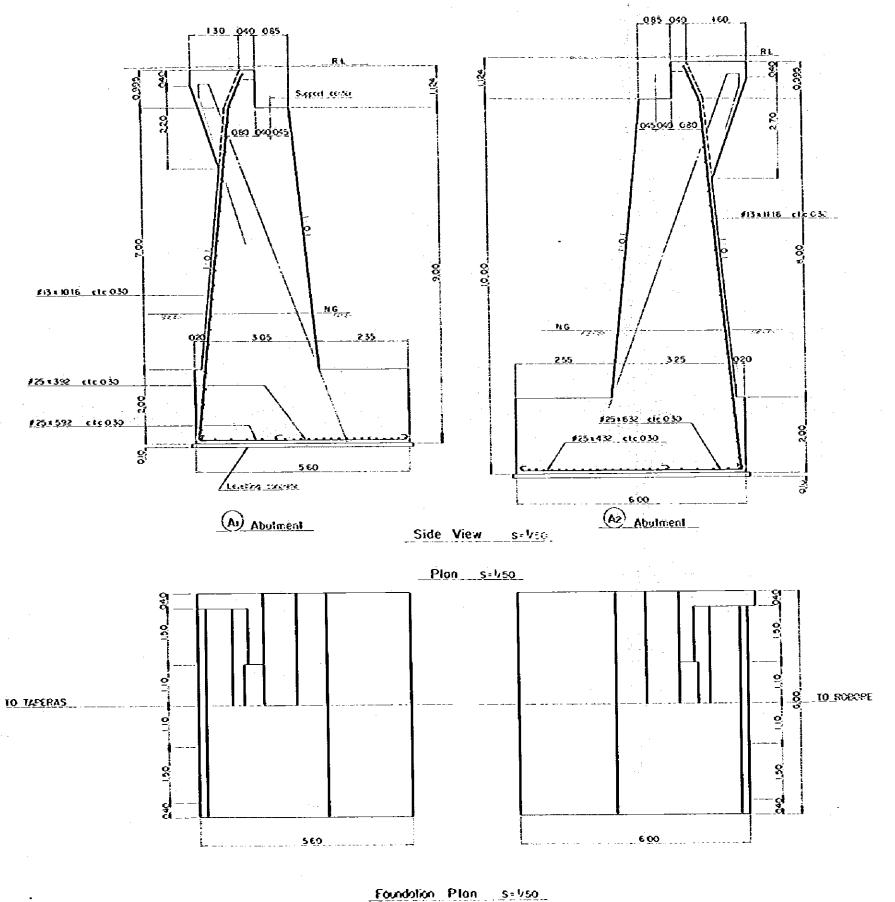


Longitudinal section s-v250



Plan s=1/250

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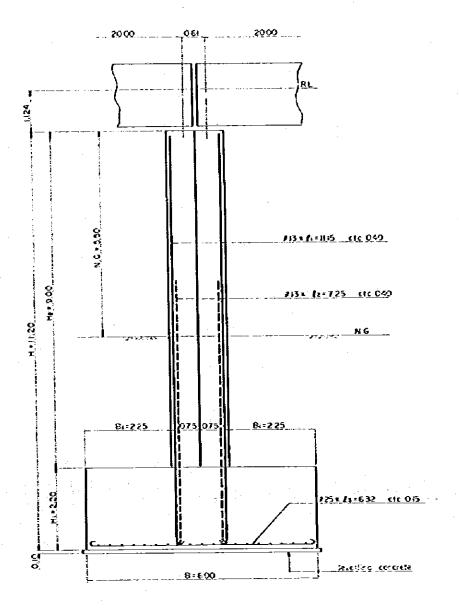
Stateme execute : Coss B Leaving execute : Coss D

CMPREST EXCROSUL DE FERRICARRATES NO.4 BRIDGE

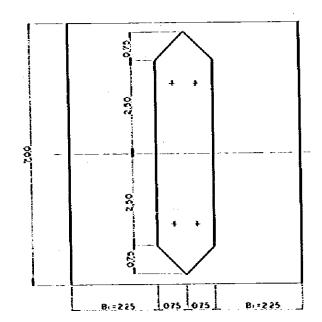
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GENERAL VEW

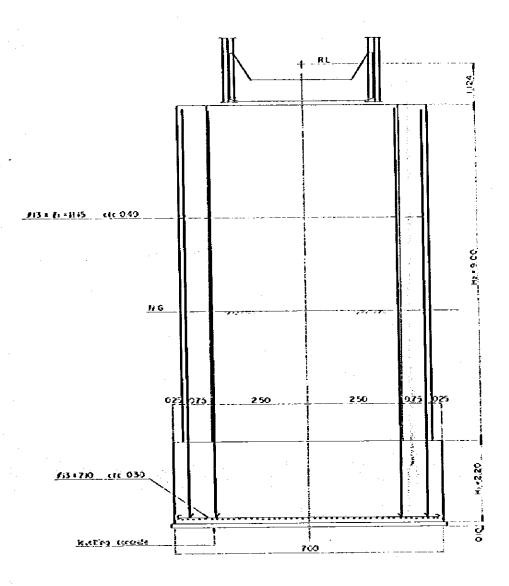
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Side View S: 1/50



Plan s=1/50



Front View s=1/50

Dimension of each piers (in)

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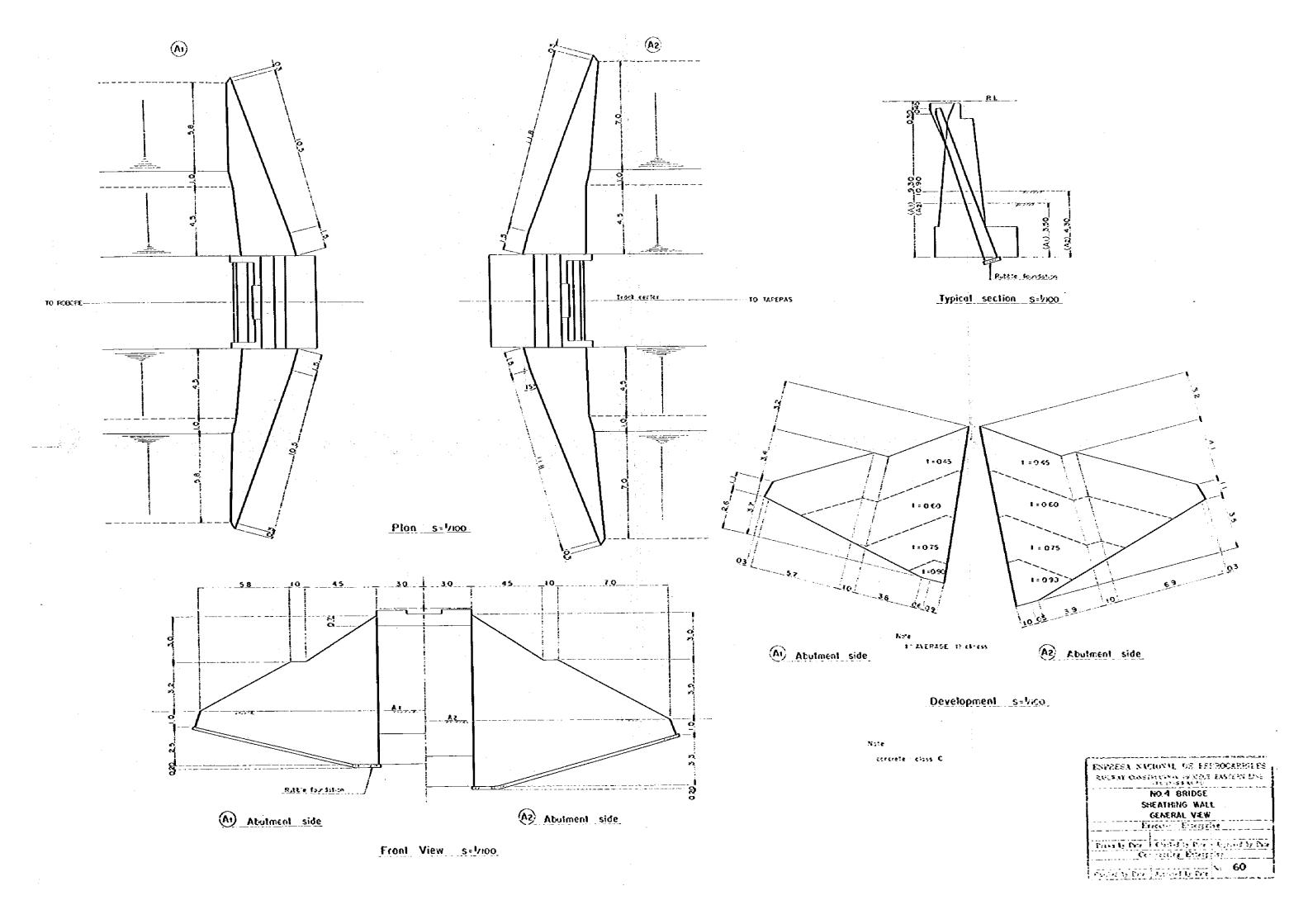
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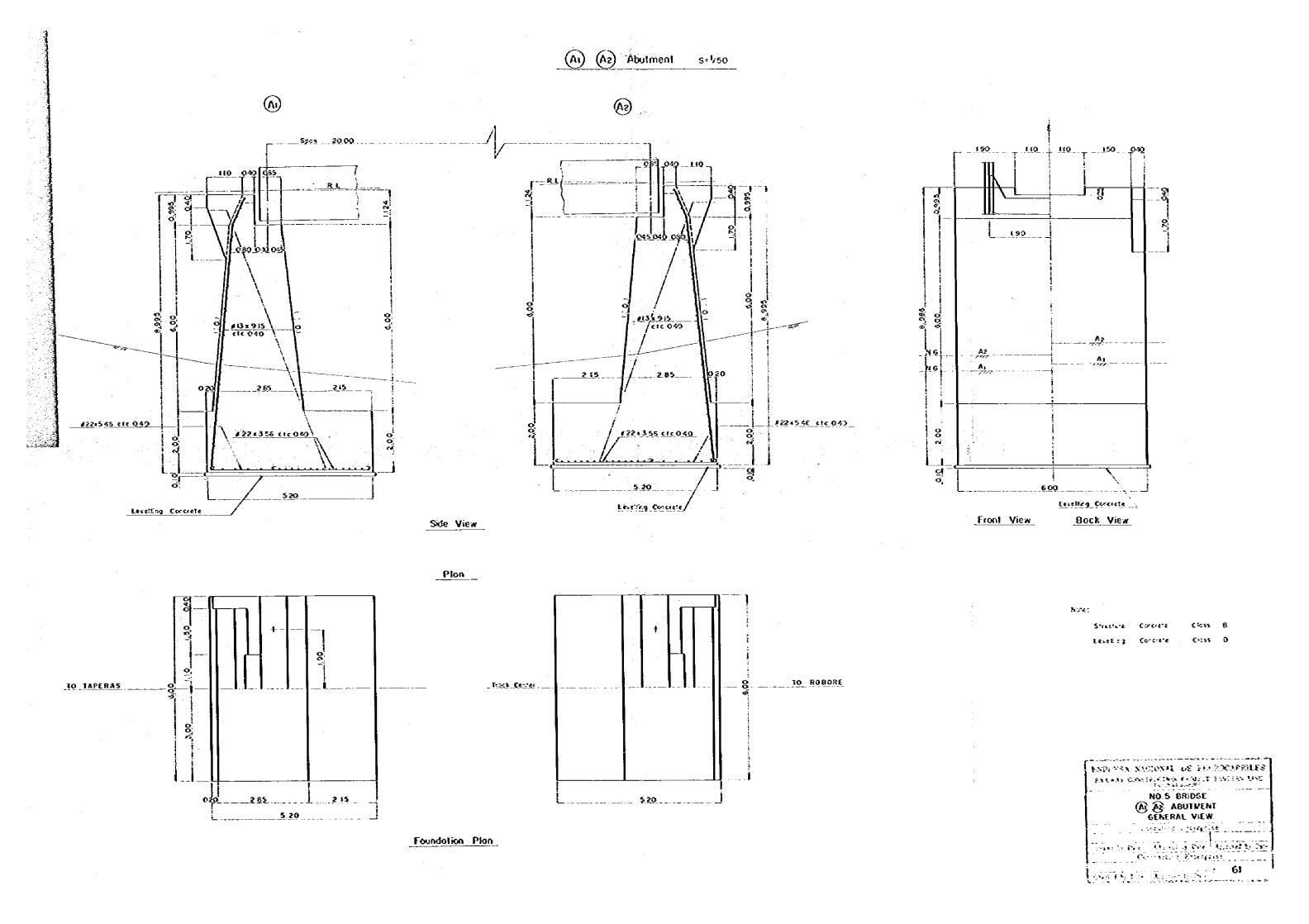
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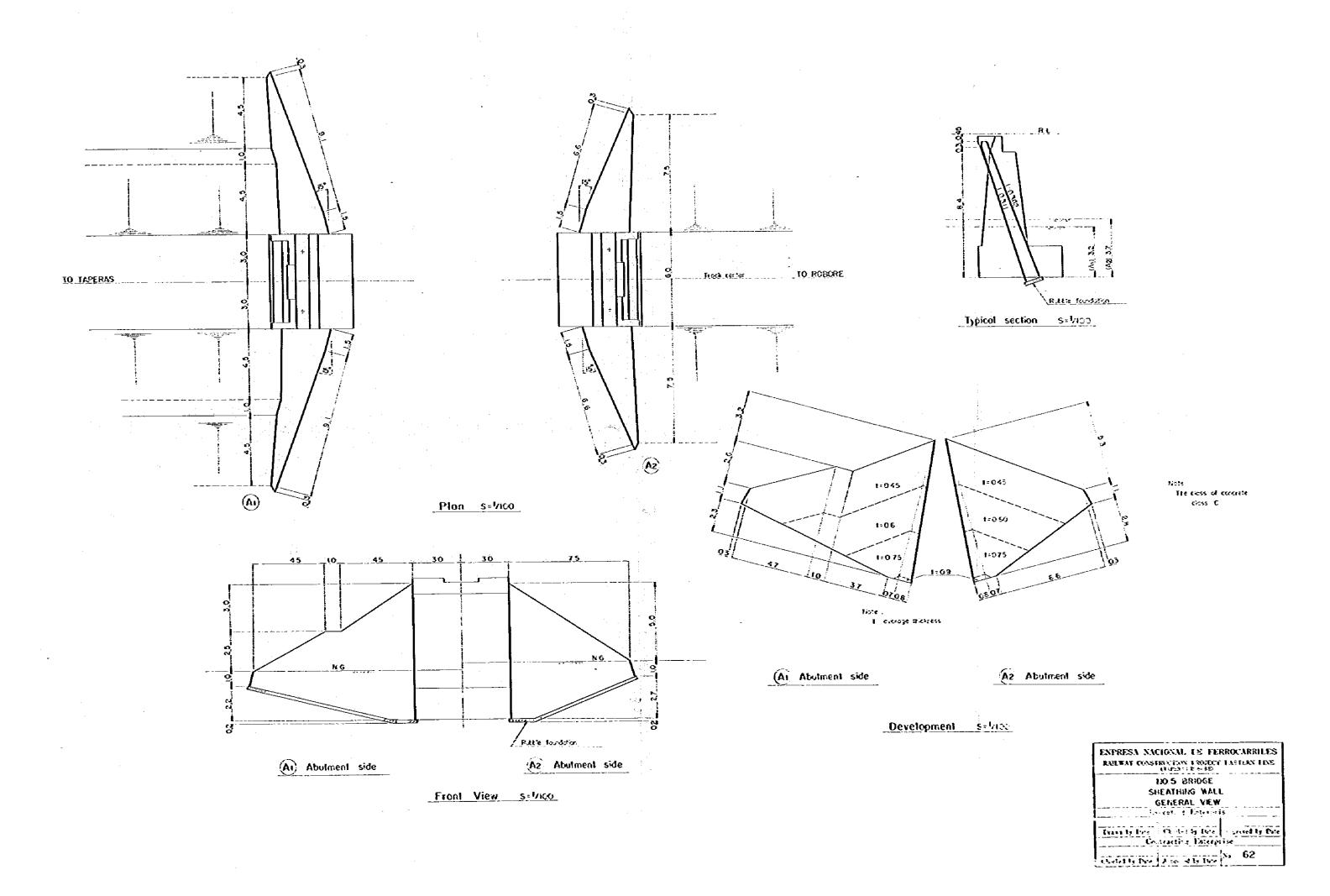
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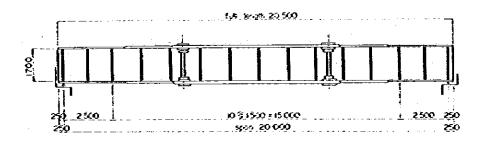
General View

Freezing Enterprise

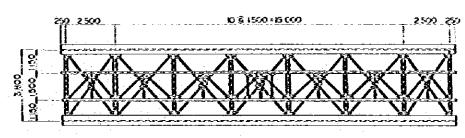
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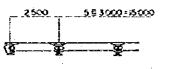




Side View S=700



Plan s=1/100



side View of stringer S=1/100



End floor beam

Intermedate floor team

S=VXCO

Reaction
(Per one support)
tive tood 53.3[†]
Inject tood 32.0°
dead tood 9.8°

Fotol 95.1[‡]

Weights of	ine steel
- 5041	23.8
\$\$41	5.6
HTB	1.3*
FC-i5	0.6
Tetal	3134
Pointing area	451.0°
Total length of weided	636.75 ^r

R	ol-tose~teoring surface		Rol-bose - bottom of the man girder			
	tridge naccod sie	250	tridge-wood fie	250		
	stringer	33%	Streger	395		
	stinger towar frage surface of the end from Lean	133	stringer kneur florige surface of the end floor beam	130		
	lower florige Bioliness of the end fixer Leon	22	base florge thickness of the end floor feom	25		
	2.55€1	9	gaset	3		
	loaer livinge chickness of the main grider	19	lower florge clinicess of the more given	34		
	sole plote	55	spike piote	13		
	zttaj	120	high-stiergin beit	59		
•	nortal hectment	25	·			
-	Tetal distance	335 ^t	Telo: Caloxe	892 ^{FM}		

<u>Distance</u>

Purport for designing

- t. The five food is cooper E-45
- 2. The stringer is of the continuous beam.
- 3. The more girder is of the three (3) blicks
- 4. The High-strength bods (HTE) is of fostering system of the site in its entirety.
- 5 The high-strength balls at the thange surface of the string and at the lateral bracking of the stringer are filted through deliving.

ENPRESA NACIONAL DE FERROCARRILES
RULKAF CONSTITUTAN DOCUMENT EASTEN LINE

STEEL GIRDER (4:20⁵⁰0)

GENERAL VIEW

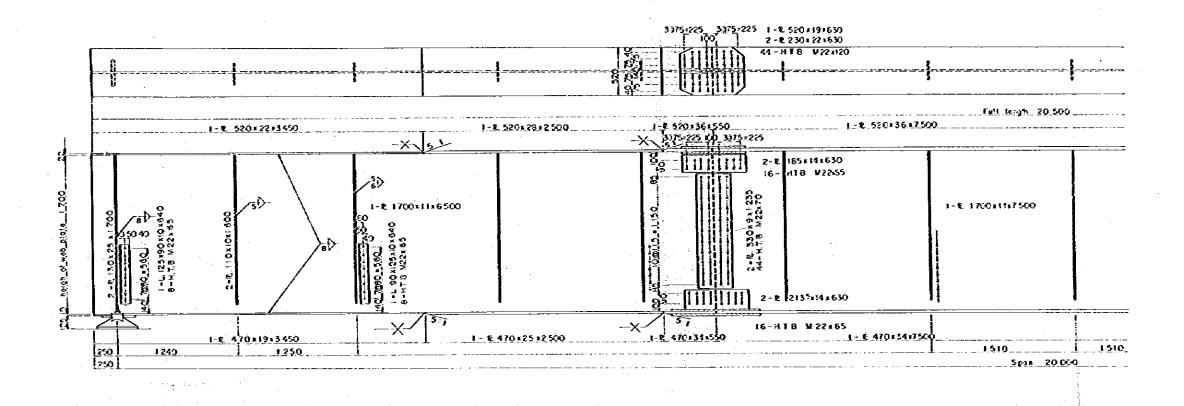
(Sheet 1 of 3)

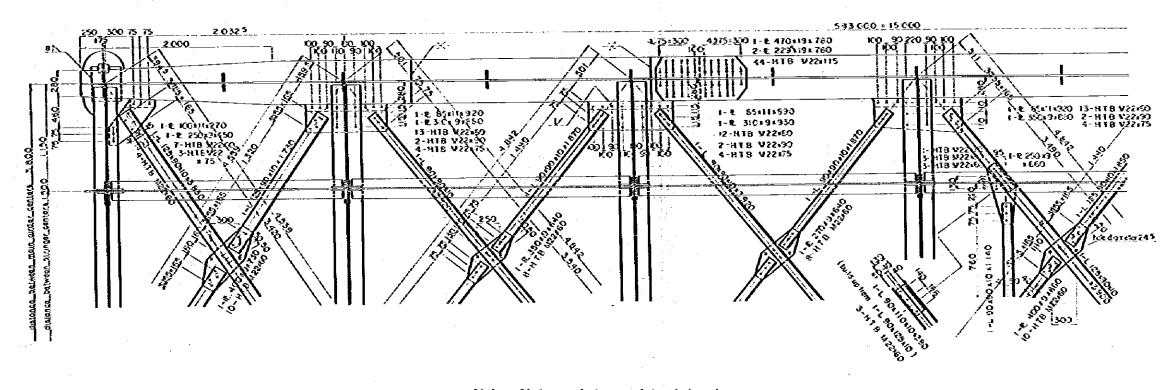
Facces of Enterprise

Contracting Enterprise

Contracting Enterprise

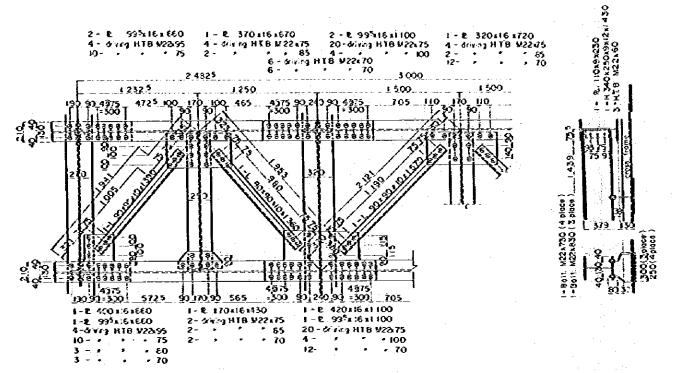
No. 63



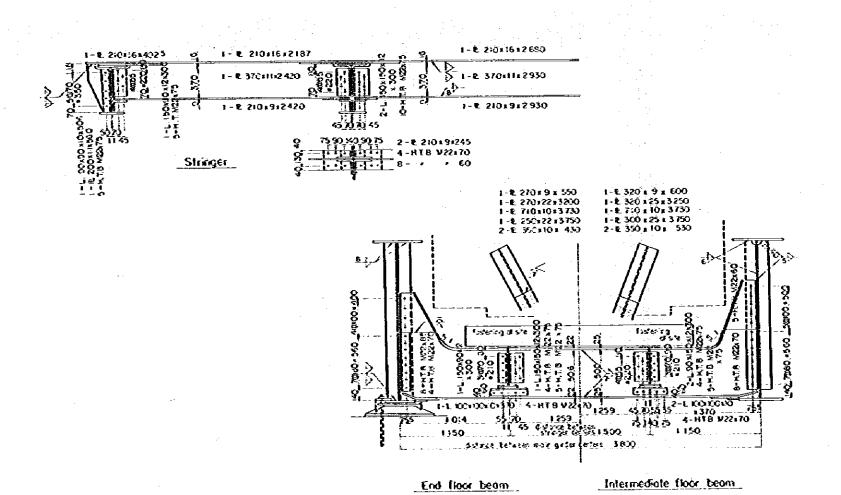


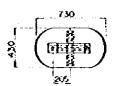
Moine Girder and Lower lateral bracing

	NOVAL DE FE	
	GIRCER (1 = GELERAL VIEW (STEEL 2 of 3)	·
Draw to Day	- · · · · · · · · · · · · · · · · · · ·	tipresed by this
es late	Ä.s:	iv. 64



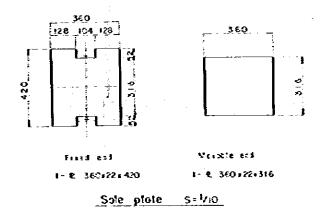
Upper lateral broking





730x430x120(material FC-15) archaelate #38x650(+ 5541)

Support S=1/20



ENFRESA NACIONAL DE FERSOCARTIES, RUERAT CONSTRUCTO, FRUEL LANGEN 1675

STEEL GIRDER (4:2070)

GENERAL VEW

(Steel 3 of 3)

Freeding Energies

Contracting Energies

Contracting Energies

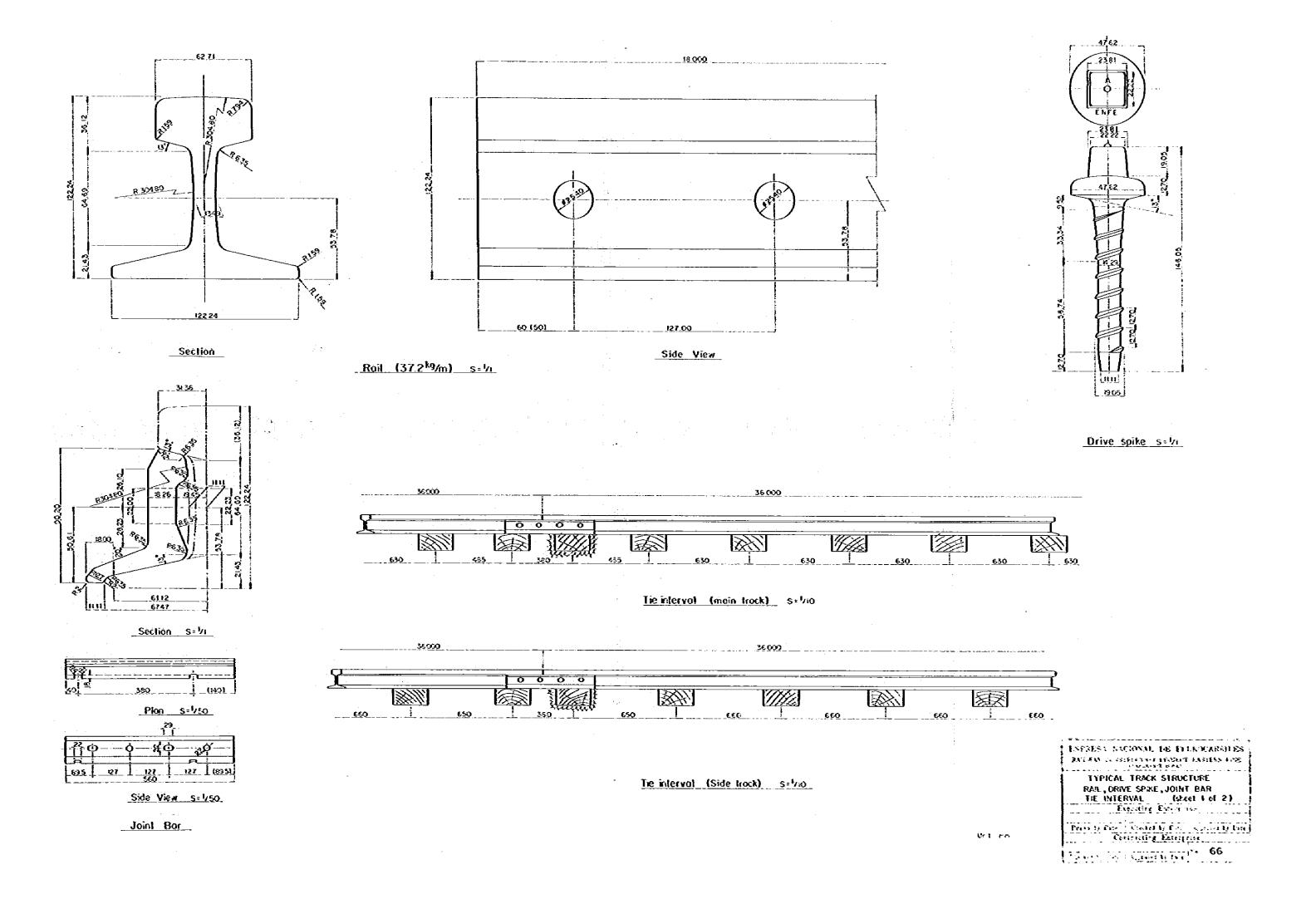
(Steel 3 of 5)

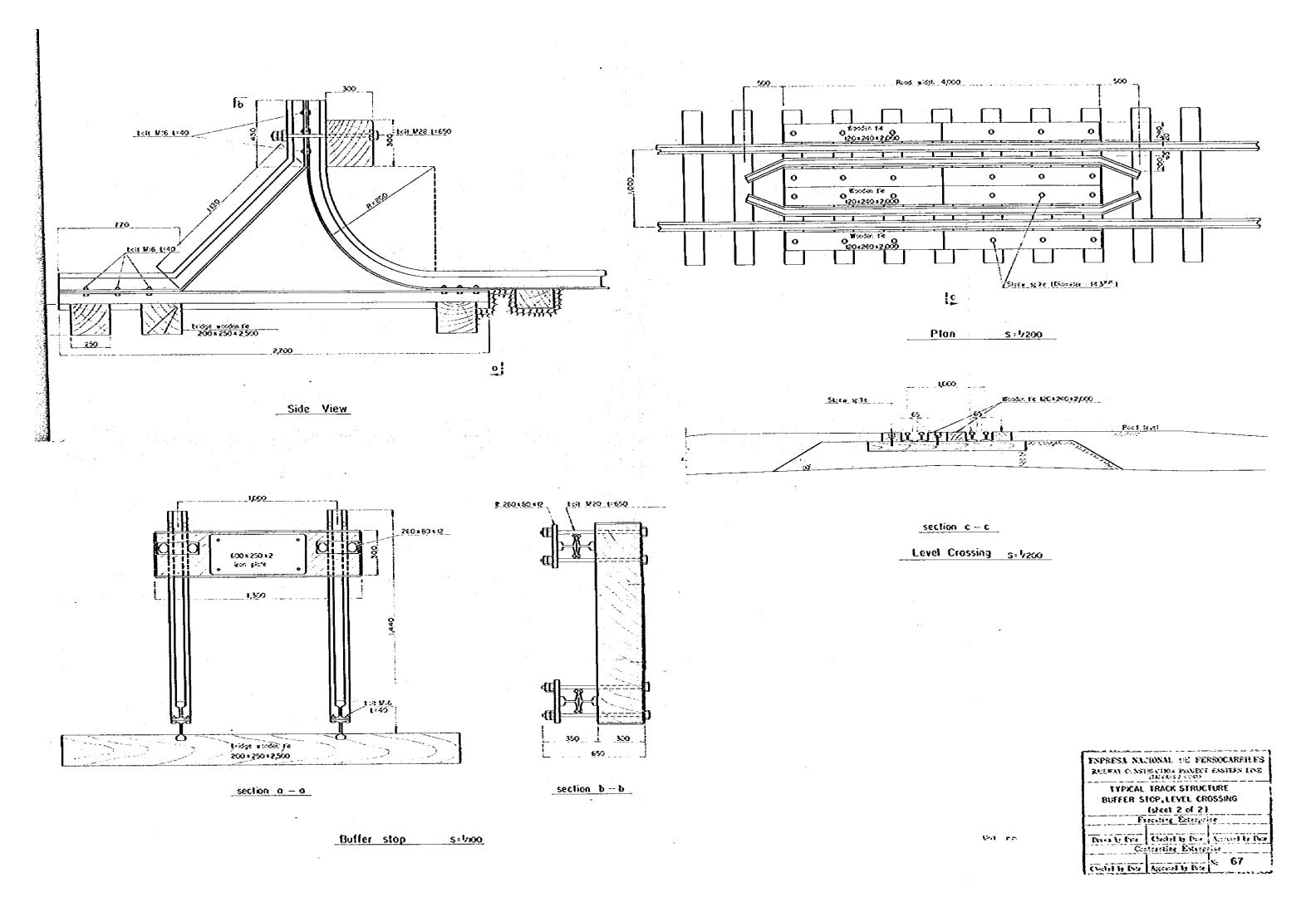
(Steel 3 of 5)

(Steel 4 of 5)

(Steel 4 of 5)

(Steel 5 of 5)



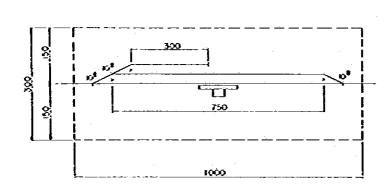


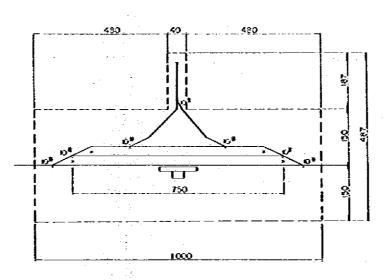
Boit I m

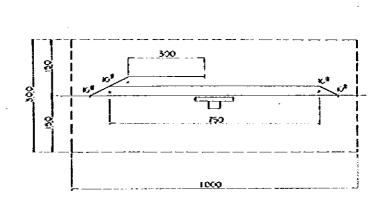
No.1 Station

No 2 Station

No. 3 Station

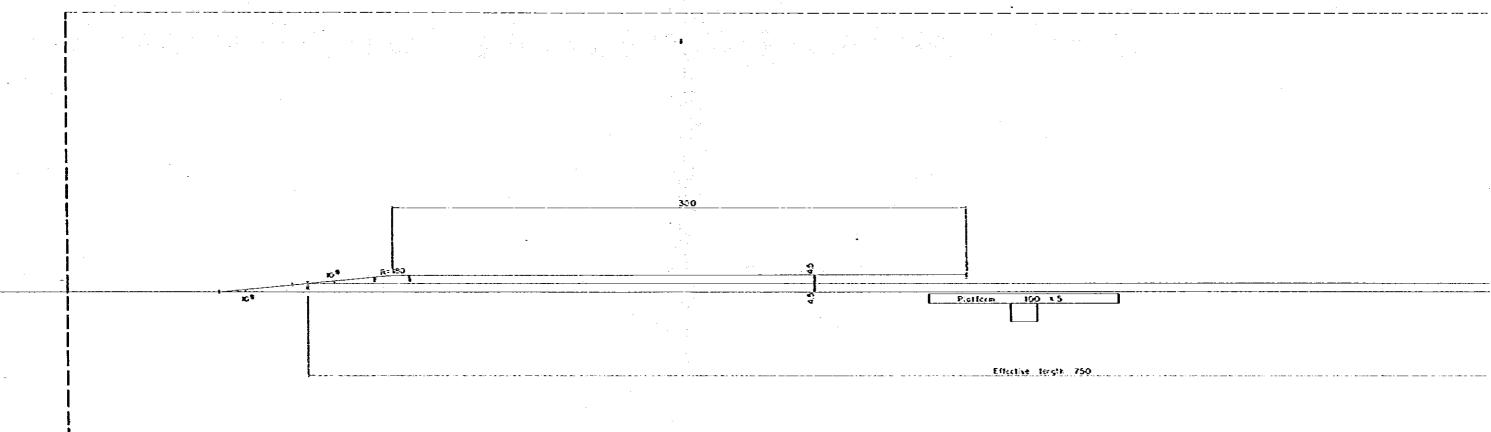






Track layout of Station yard (TYPE A) s=1/1000

Usil Lin



No. 3 Station

No. 4 Station

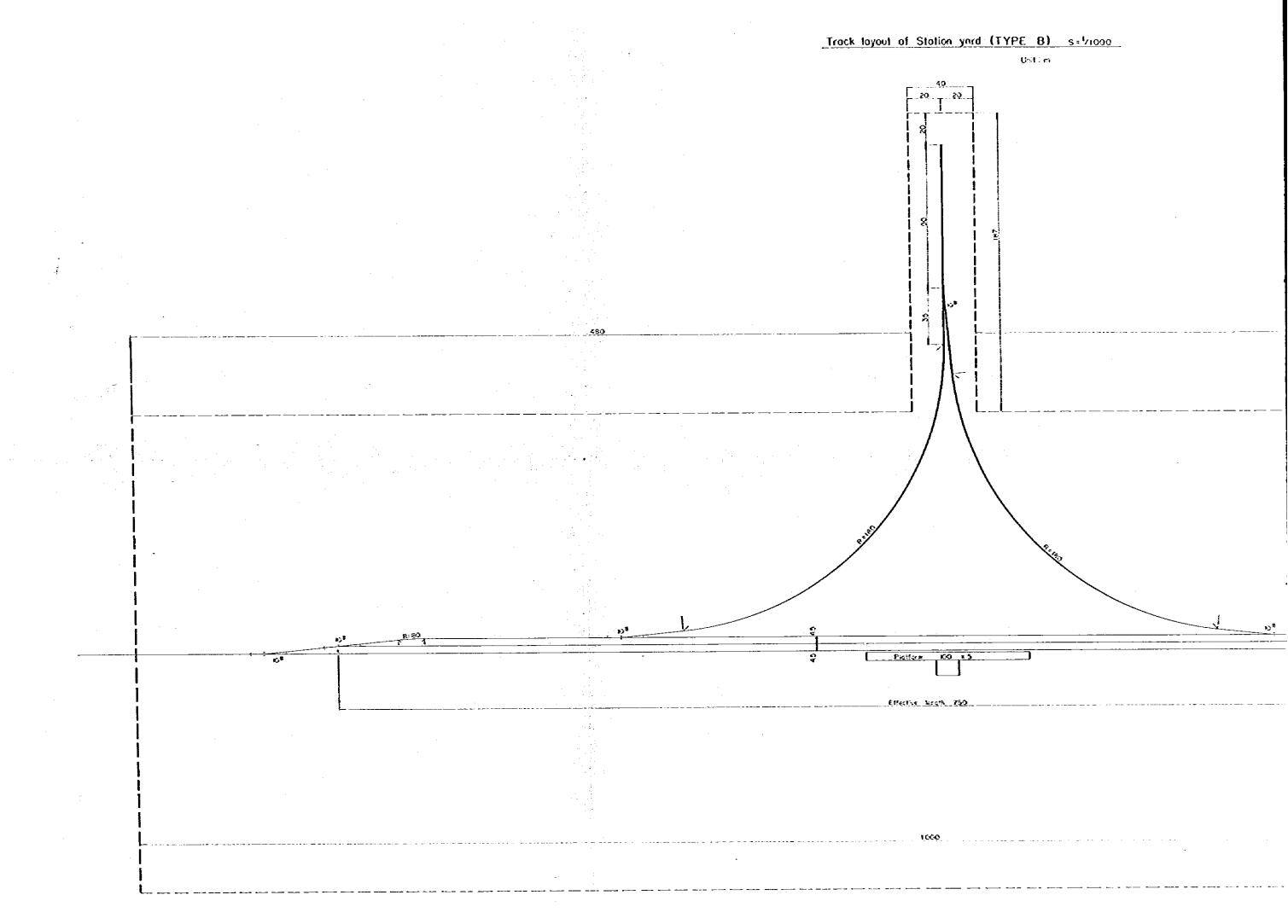
300 50 50 759

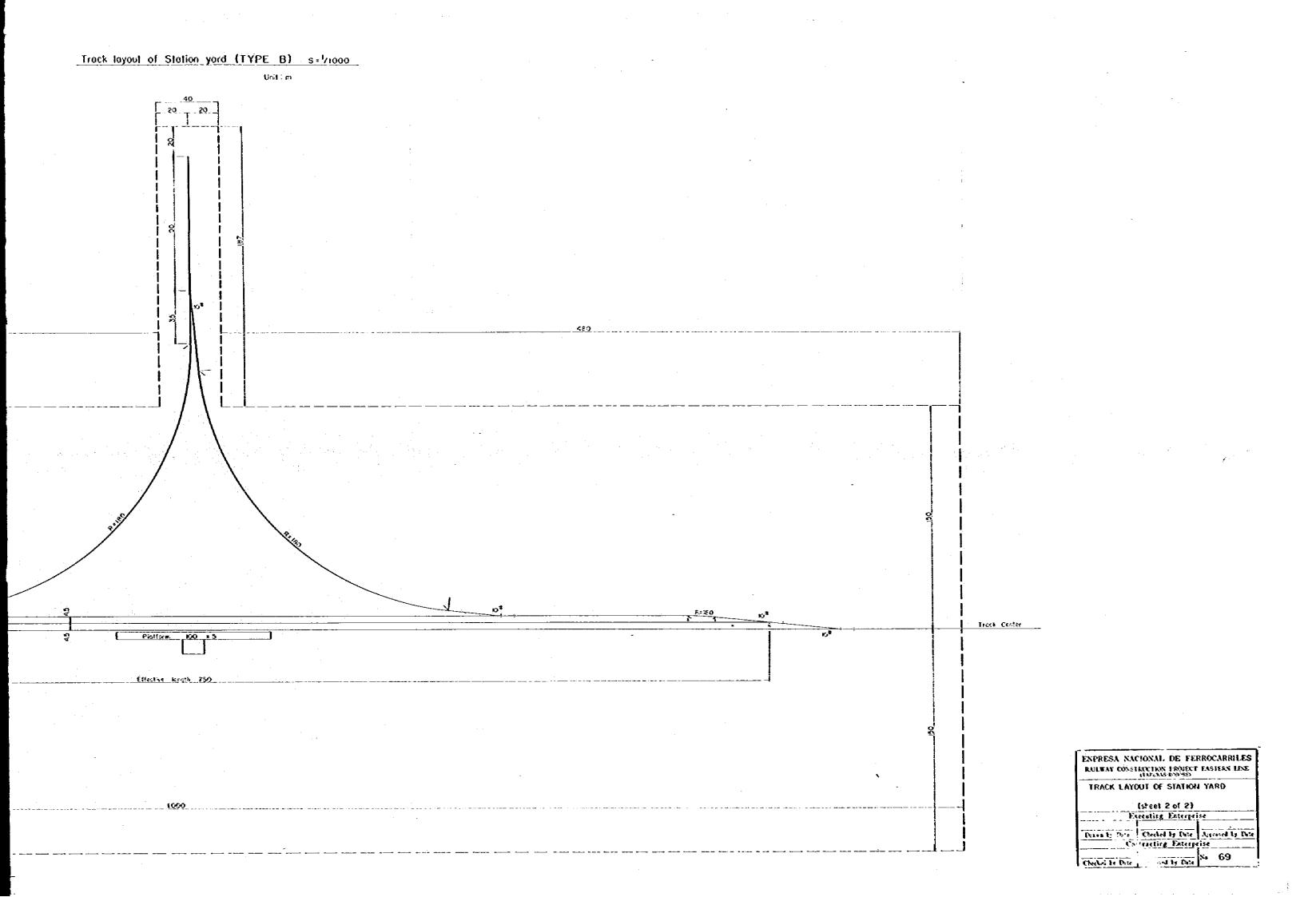
350 350 150

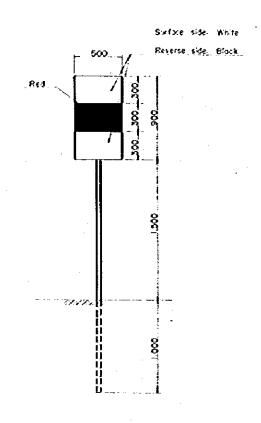
ock loyout of Station yard (TYPE A) sevioco

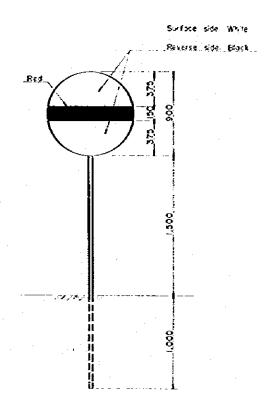
Limit m

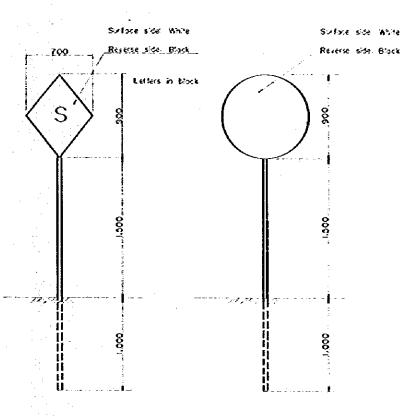
	CIONAL DE FEI ROCIKN PROECT OURLIS ROCH	
TRACK LA	YOUT OF STATE	ON YARD
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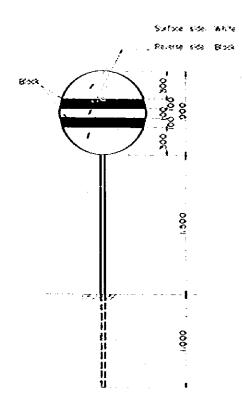












MARSHALLING BOUNDARY INDICATOR 5-1/20 STATION BOUNDARY INDICATOR 5-1/20

To be exceed of the site 200m inside of trecost-point

to be nected on the site 500m inside of station entrance furnity-point.

WHISTLE POST S-V20

To be excled at the site 1500m aside of station entrance

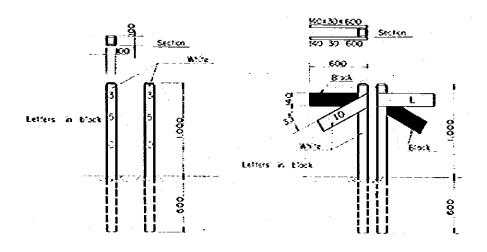
functions and 600m inside if he related evel crossing.

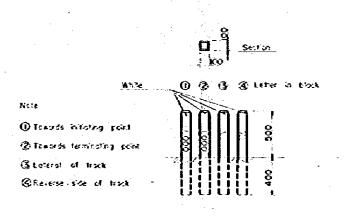
STATION APPROACH INDICATOR \$-120

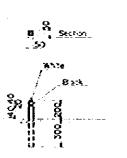
To be easied at the site 2000m inside at station entraces. Exhaut-point

BRIDGE APPROACH INDICATOR 5=1/20

to be excised on the size 300m inside of the related bridge







KILOMETER POST 5:1/20

GRADE POST 5-1/20

BCC. ECC. POST s-1/20 B.I.C. E.I.C. POST s-1/20

Note:

No e

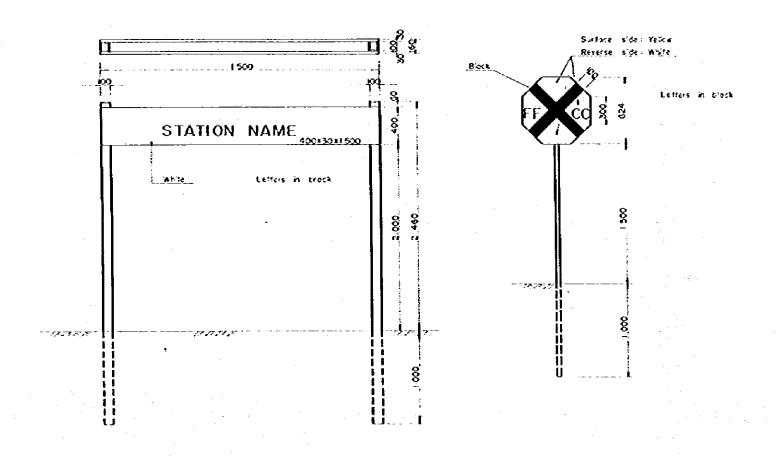
within the station yard.

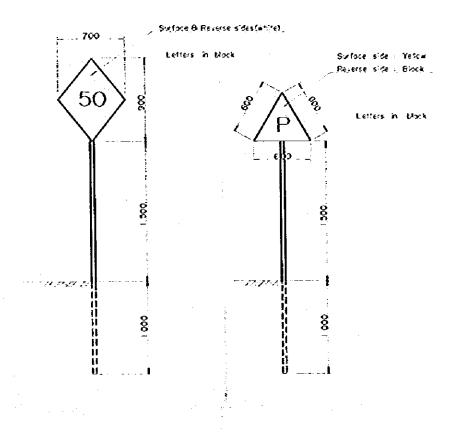
to be exected at the site every one Km.

CIRCULAR CURVE AND TRANSITION CURVE POST

ENPRESA NACIONAL DE FERROCARRILES RELEAST CONSTRUCTION FOUNDED EASTERN FINE (INCOME) ROT TYPICAL OF ROADWAY SIGN (steel 1 of 2) Furdire Esterrise

Chit min





INDICATION BOARD OF STATION NAME S-1/20

WARNING POOT FOR CROSSING S-1/20 SPEED LIMIT INDICATOR S-1/20

WARNING SIG POST S=1/20

Note:

To be erected at the site SOn inside of practical at

the station entrance

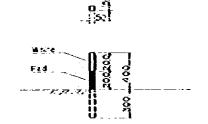
Strie

Right-hand side of read-shoulder.

Xile

To be elected at the precioious site.

500m inside thereof



CLEARANCE POST 5-1/20

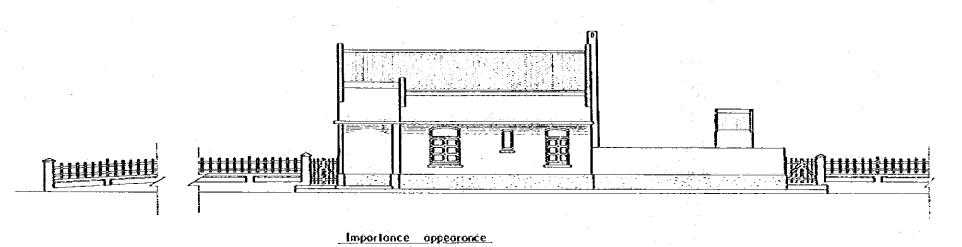
To be ereceied at the site 1.65m distort from the certaine with the interest of 37m Gefort betwein certeifres ef forting tracks

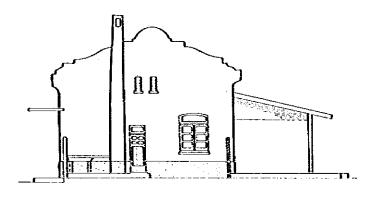
IMPRESA NACIONAL DE FLEROCAESILES MARIN OUSEST, SA TENENT PRE EN HEE

> TYPICAL OF ROADWAY SIGN (sheel 2 of 2) Esecutive Exterprise

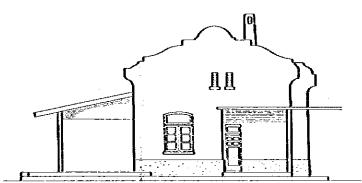
Parte for Code to the acoust to be Cortenting Entities

that I be drived to be





Front - E



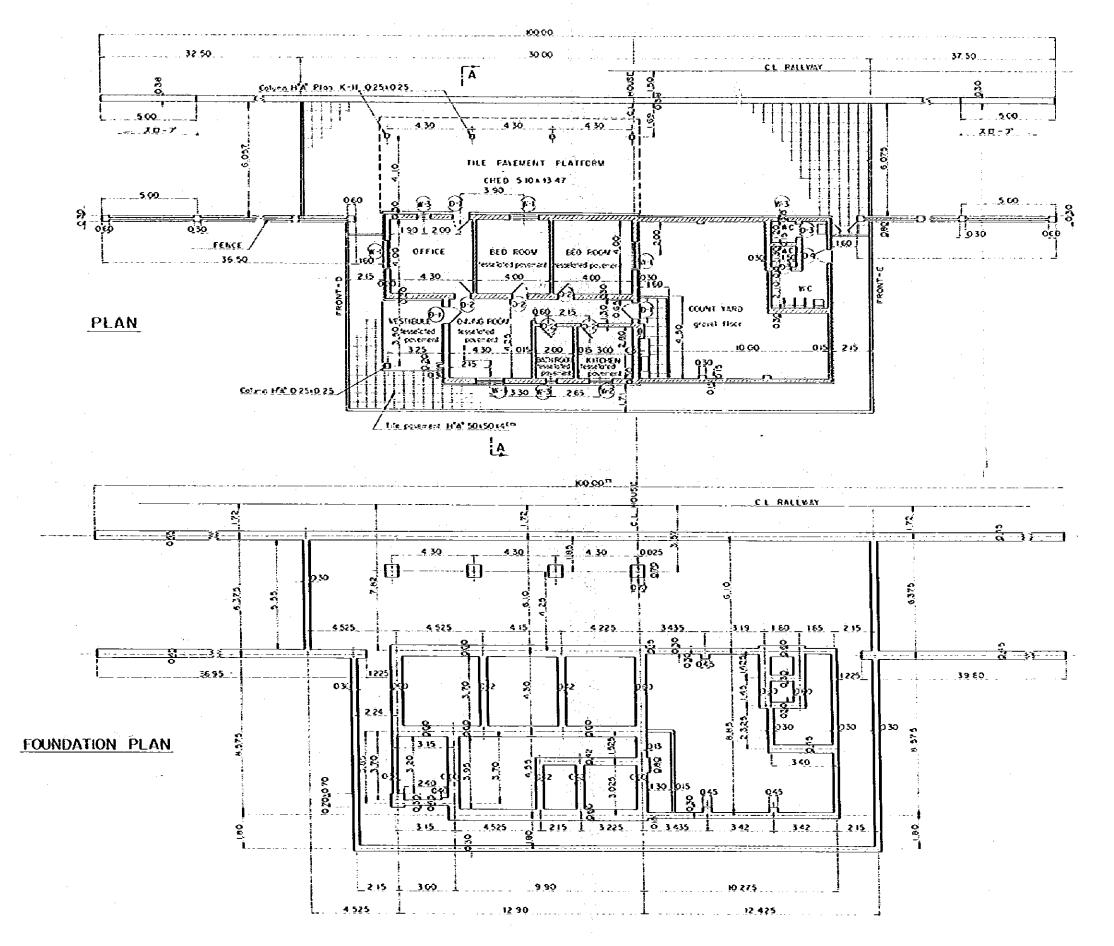
Front - D

Finish schedule

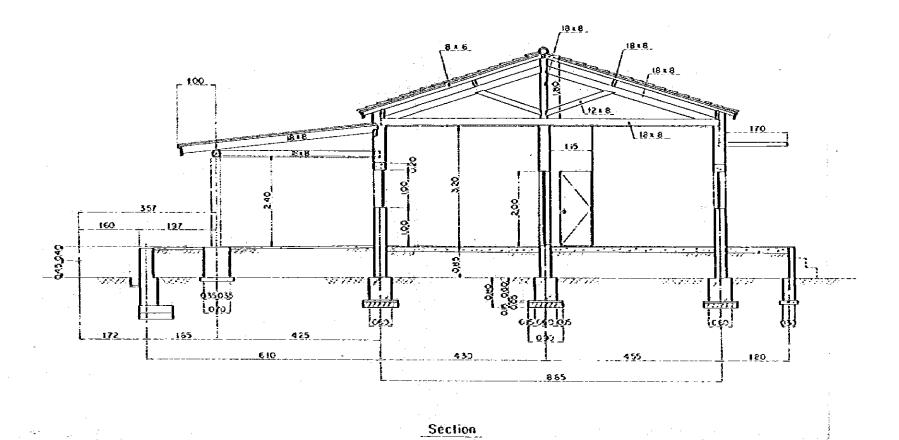
0.4	sce				
	Red	Brozz type tool the arking size zinc golvonized street (Dickness: \$04")		Floor ·	Considerates Considered Do 45° P. Michelles 107° Anno 420° Considerates Do 45° P. Michelles 107° Considerates
Section	Freezea vest	Spraing with conset latitel		Fexe	Sixe force H=80 ^{CP} L=73 ^E
tuicro	Cross sice	Had sign chafde as steel pice	Polices	Ent	Bearl tige enting at ling sin sine gehandes stell (fedicess . ≥ 0.6°°)
	िएक कि क्यो	Spenjeg with cerest (wide) fight: 60 mit , I fice		Ecerd ex	•
Courtype	Dr.Secred cort	Coracte pice (sector site)		Celleg	Depretapista Columnical point, tota (CO wort, 3 piece busines dest teleproced at office)

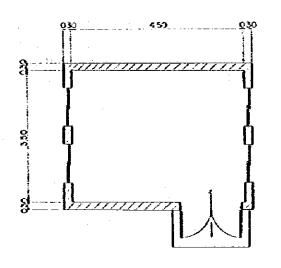
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ENTRESA NACIONAL DE FERRICARBILIS ANTRES CONSTRUCTOR PROJECT DISCUSSION LOS CONTRACTORS
STATION BUILDING AND FACULTY GENERAL VIEW (Sheet 1 of 5)
Energy Erraptice
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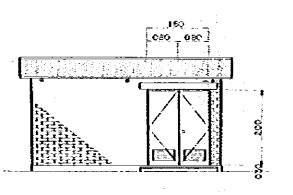


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and by Eve	Charley	tre Zuchell
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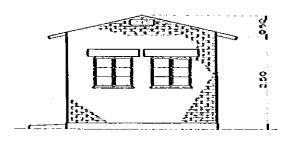




Plon s=1/50



Elevation s=1/50



Elevation s=1/50

Pump - Chamber

Firish schedule

	Lussi Scheoole
Eppt.	Convigues steel steel rooting
Esternoi acil	Brick
Figur	Moreids concrete Exists steel forces
Fd1698	Acid
Base	Reduces Carrete EALS

FNPRESA NACIONAL DE L'ERROCATERLES :
RULLER OMSTRUCTUR ESTRUCTURE :
DE CONTROL DE CONTRO

GENERAL VÆW
(steet 3 of 5)

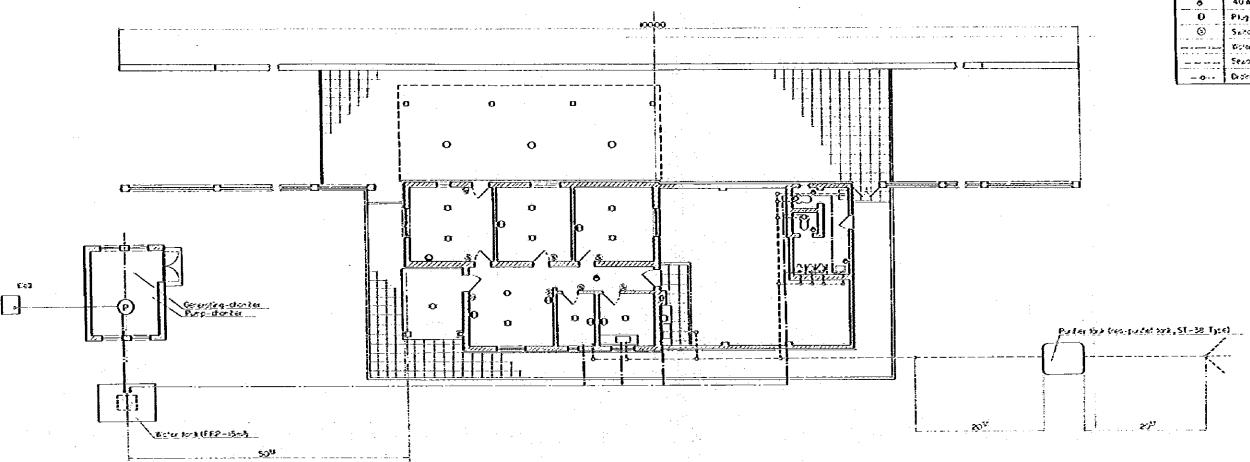
Executive Entergrave

Contactor Francis

Condition In the black 1, 74

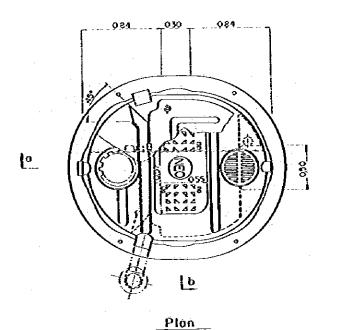
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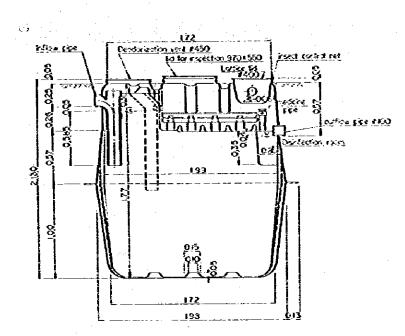


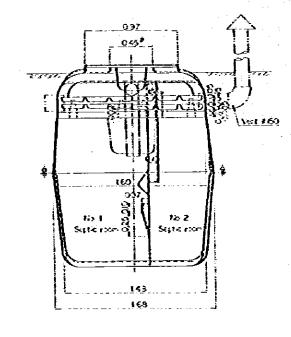
Application	method	Application	melhod
Ritted seam rooking with zinc golvarized steet	Centest mortal (for floor)	Cement meeting (for woll)	Octomate ploster
to to the season of the season	Type of Materias Conserves Sortion Base Materias Conserve Standard Thioress: 30° ¹⁰ Fails: Standard Sortion Joint "V" type standard Administra Conserve it Sortion Remarks The different of posteriors may be varied according to the conserves	Type of Voteriols Centers: Sons Bose Countrie Standard Trickness 64-11-43 = 20 Fm Stell Standard: Stell Standard: Stell Standard: Struck Voterial Centers: 1: Sond 2 Internetion postering: Centers: 1: Sond 3 For a plostering: Centers: 1: Sond 3 For a plostering: Centers: 1: Sond 3 For a plostering: Centers: 1: Sond 3: Hydrated Inter 03	Type of Videnius Outcode plater South Concrete South Tribbess 7+6+2+15*** Find. Steel tribes Administ Basic District OB plate Concrete O2 South 2+ Concrete O3 Concrete O3 South Concrete O3 Concrete O3 South Concrete O3 Find plater O3 South Concrete O4 Find plater O3 South Concrete O4 Find plater O3 South Concrete O4 Find plater O5 South Concrete O4 Find plater O5 South Concrete O5
Water-procled mentor	Special marta	The turging (for ficer)	The horoing (for woll)
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Septic lonk, ST38 TYPE s=1/20

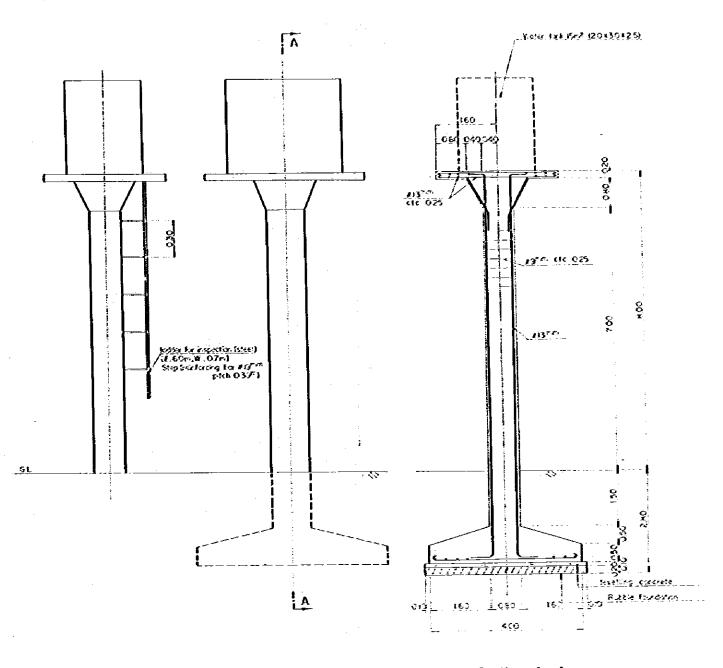




Section a - a

Section b - b

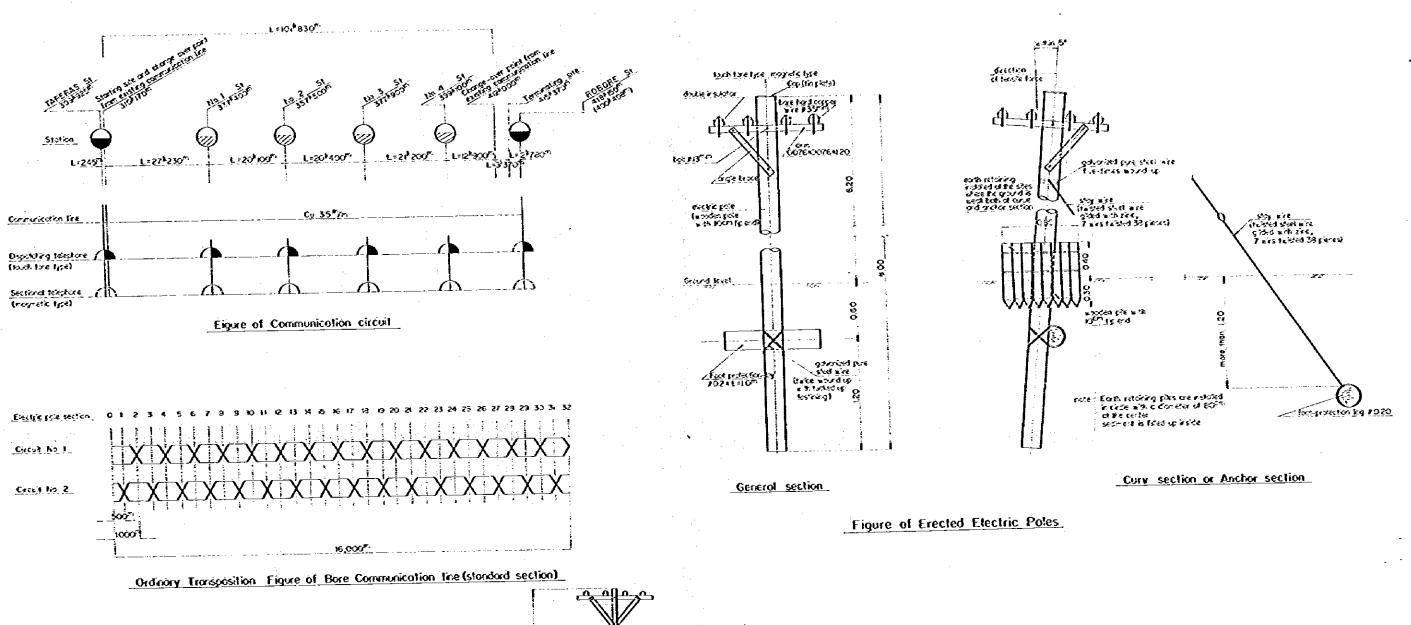
Septic Tonk ST38 TYPE S=1/20 Usit 6-5

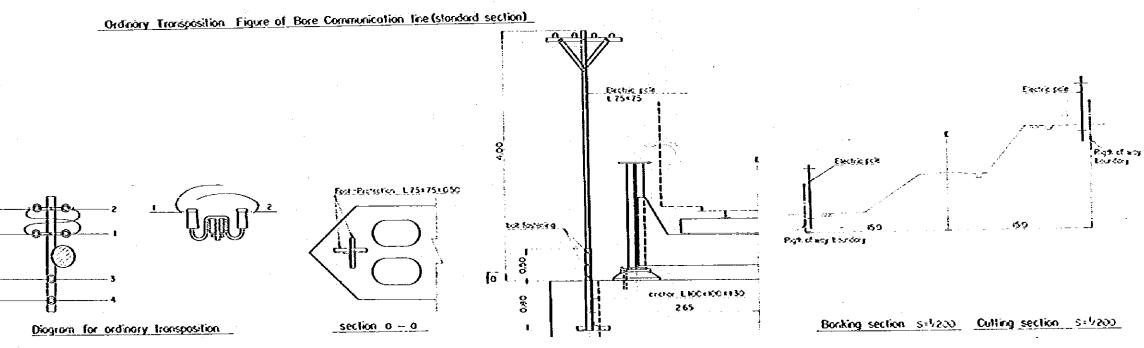


Section A-A

Woler tower s=1/50 Unit as

STATION BUILDING AND FACILITY		
	GENERAL VEW	
	Fortige Program	· ·
Freez & P.	a i sund e tre Therefore knews	





Bridge section S=1/30

CONVUNICATION FACULTY

GENERAL VIEW

FUCCION FACULTY

GENERAL VIEW

FUCCION FACULTY

CONTROL FOR THE FORMAL VIEW

FUCCION FACULTY

CONTROL FOR THE FORMAL VIEW

CONTROL FOR THE FORMAL VIEW

CONTROL FORMAL VIEW

CONTROL FORMAL VIEW

No. 77

Location Figure of Erected Electric Poles (standard)

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