

THE ARGENTINE REPUBLIC

REPORT
OF
THE FEASIBILITY STUDY AND THE PRELIMINARY DESIGN
FOR
THE AMPLIFICATION OF AN INSPECTION AND
REPAIRING WORKSHOP FOR ELECTRIC ROLLING STOCK

III
(DRAWINGS)

No. 01

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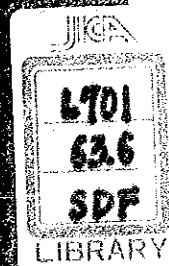
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SEPTEMBER 1986

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)



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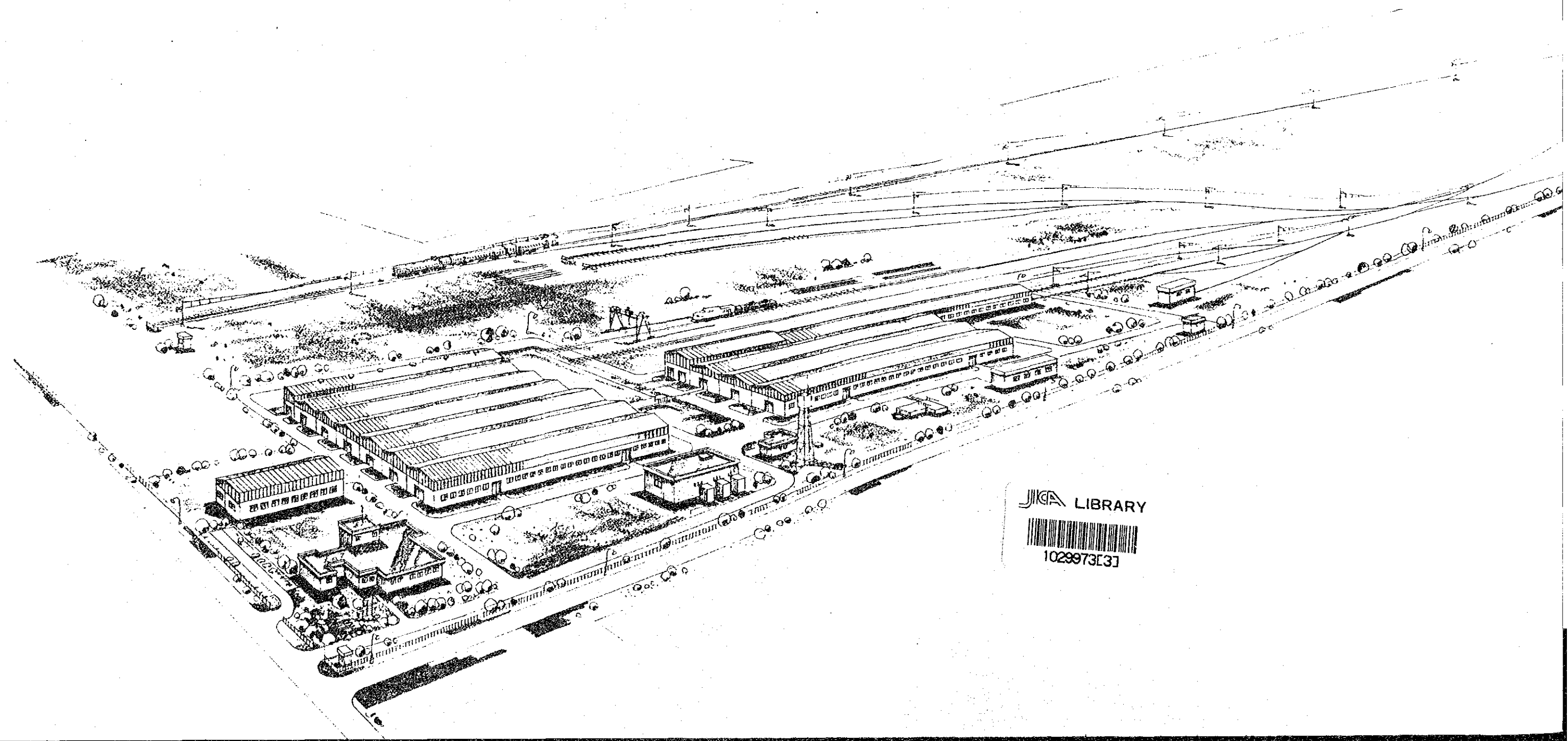
SEPTEMBER 1986

JAPAN INTERNATIONAL COOPERATION AGENCY
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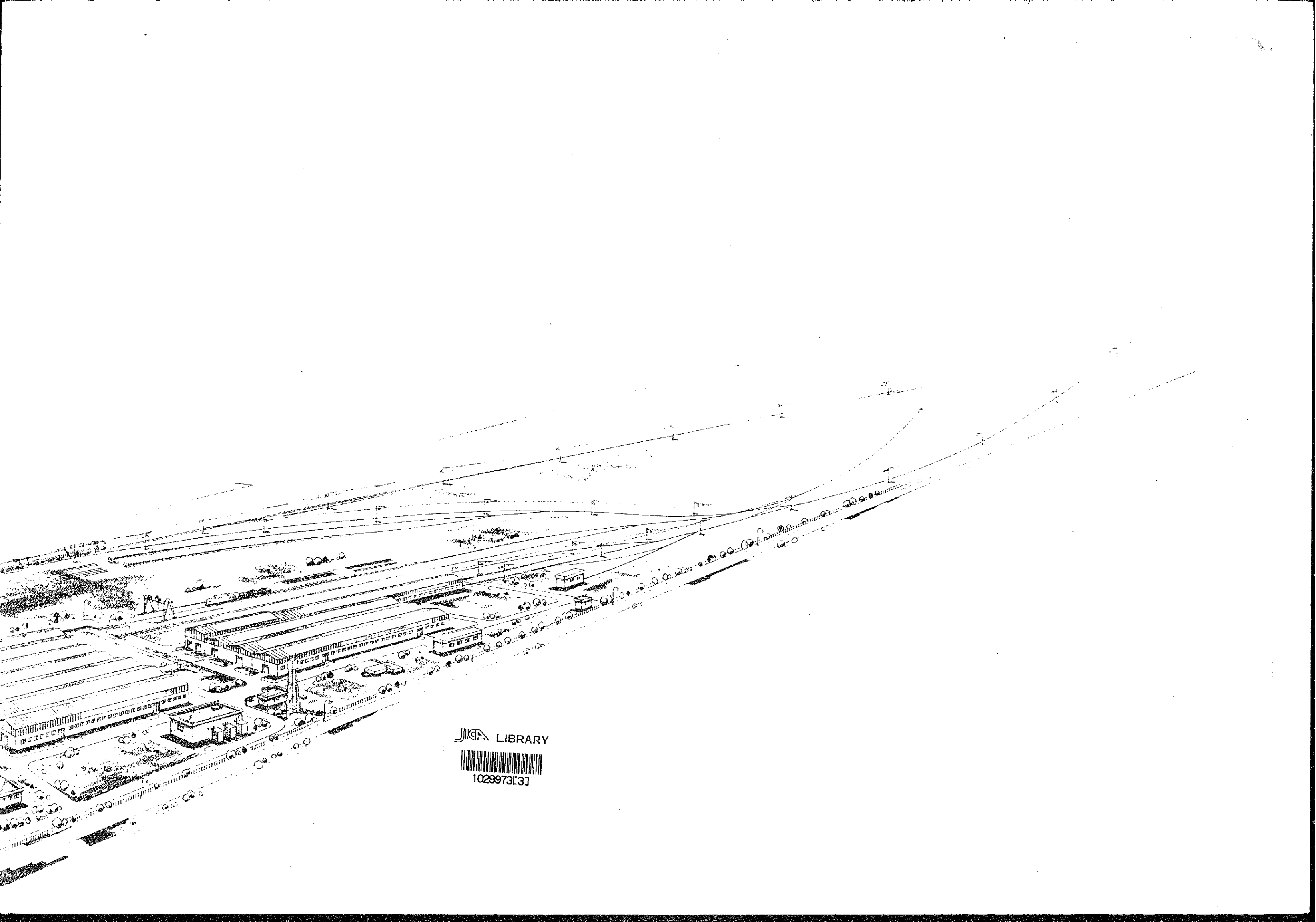
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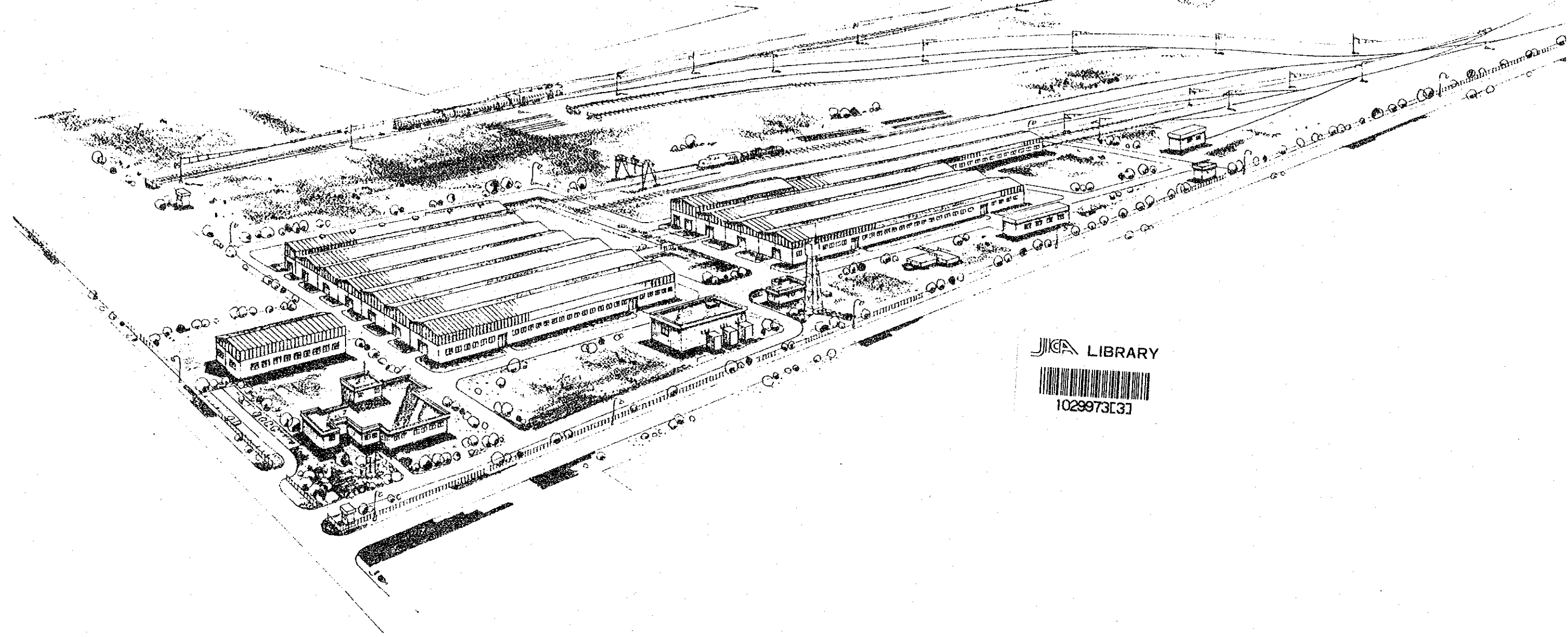
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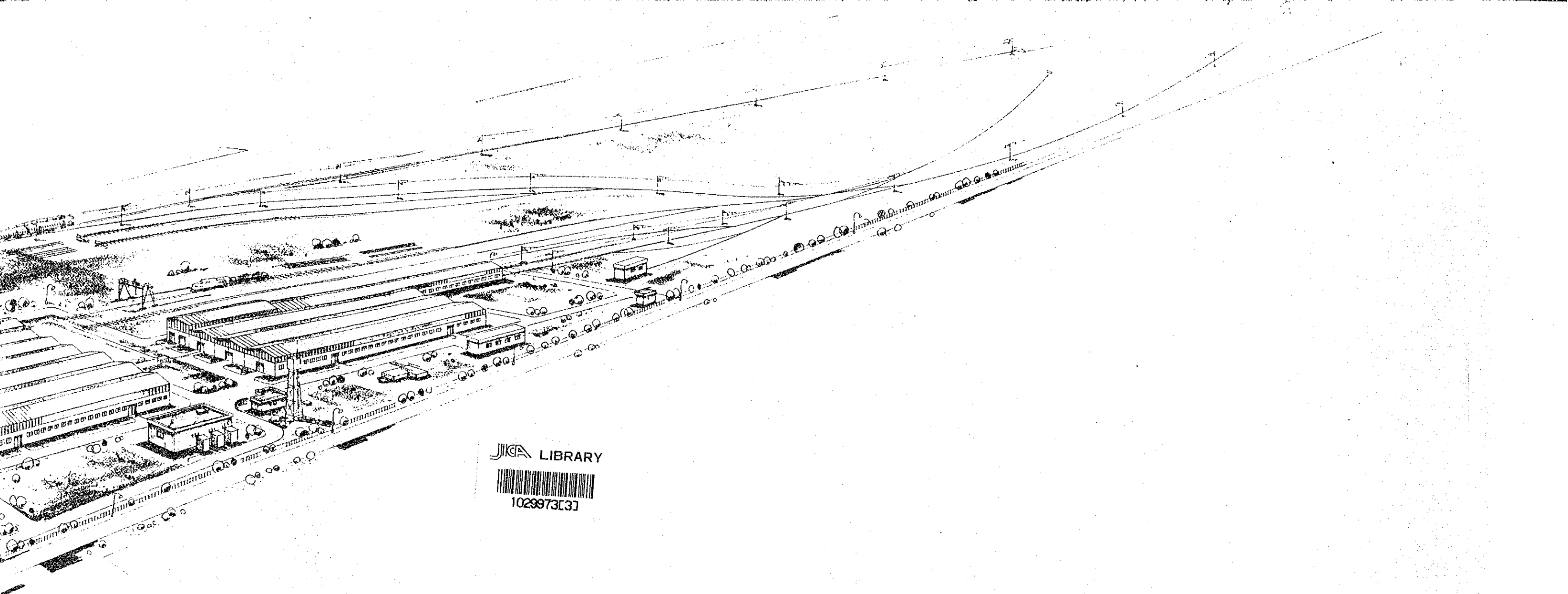
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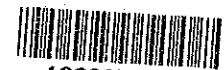
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BIRD'S-EYE VIEW OF KM-10 WOR

国際協力事業団	
受入 月日	'86.10.22 L701
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BIRD'S-EYE VIEW OF KM-10 WORKSHOP

国際協力事業団	
受入 月日 '86.10.22	L701
登録No. 15533	63.6
	SDF

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LIST OF DRAWINGS

REPAIRING WORKS

WORK PROCESS (1/2)

WORK PROCESS (2/2)

- SCALE 1:1000

E 1:1000

E 1:1000

- SCALE 1:1000

G - SCALE 1:1000

OP (1/3) - SCALE 1:300

OP (2/3) - SCALE 1:300

OP (3/3) - SCALE 1:300

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FIG.21 HYDRANT INSTALLATION PLAN - SCALE 1:500

FIG.22 LAYOUT OF EQUIPMENT IN ENERGY CENTER - SCALE 1:100

FIG.23 DIAGRAM OF POWER DISTRIBUTION

FIG.24 WIRING DIAGRAM OF POWER DISTRIBUTION - SCALE 1:500

FIG.25 GROUNDING SYSTEM PLAN - SCALE 1:500

FIG.26 COMMUNICATION SYSTEM PLAN - SCALE 1:500

FIG.27 MACHINE LAYOUT PLAN (1/4) - SCALE 1:250
ENTRANCE / LEAVING INSPECTION SHOP, CAR-BODY LIFT-
ING / LOWERING SHOP.

FIG.28 MACHINE LAYOUT PLAN (2/4) - SCALE 1:250
BOGIE SHOP, WHEEL AND AXLE SHOP, TRACTION MOTOR SHOP.

FIG.29 MACHINE LAYOUT PLAN (3/4) - SCALE 1:250
PARTS PAINTING SHOP, CAR-BODY PAINTING SHOP, CAR-BODY
MAJOR REPAIR SHOP, CAR-BODY SHOP.

FIG.30 MACHINE LAYOUT PLAN (4/4) - SCALE 1:250
ELECTRIC EQUIPMENT SHOP, AIR BRAKE EQUIPMENT SHOP,
MACHINE SHOP, IRONWORK SHOP, ROTATING EQUIPMENT SHOP,
AND OTHERS.

FIG.31 MACHINE NAME TABLE (FIG.30)

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- FIG.5 GENERAL LAYOUT PLAN - SCALE 1:1000
- FIG.6 LAYOUT OF ROAD - SCALE 1:1000
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- FIG.10 PLOT PLAN OF BUILDING - SCALE 1:1000
- FIG.11 PLOT PLAN OF WORKSHOP (1/3)-SCALE 1:300
NO.1 WORKSHOP
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NO.2 WORKSHOP (1/2)
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- FIG.24 WIRING DIAGRAM OF POWER
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ENTRANCE / LEAVING INSPECTI
ING / LOWERING SHOP.
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BOGIE SHOP, WHEEL AND AXLE
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PARTS PAINTING SHOP, CAR-BOI
MAJOR REPAIR SHOP, CAR-BOI
- FIG.30 MACHINE LAYOUT PLAN (4/4)
ELECTRIC EQUIPMENT SHOP, A
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- FIG.31 MACHINE NAME TABLE (FIG.30)
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SCALE 1:400

SCALE 1:1000

1:1000

E 1:1000

- SCALE 1:1000

- SCALE 1:1000

OP (1/3) - SCALE 1:300

OP (2/3) - SCALE 1:300

OP (3/3) - SCALE 1:300

HOP - SCALE 1:200

(1/2) - SCALE 1:300

(2/2) - SCALE 1:300

RATIVE OFFICE - SCALE 1:300

RATIVE OFFICE - SCALE 1:200

- SCALE 1:200

FIG.23 DIAGRAM OF POWER DISTRIBUTION

FIG.24 WIRING DIAGRAM OF POWER DISTRIBUTION -SCALE 1:500

FIG.25 GROUNDING SYSTEM PLAN -SCALE 1:500

FIG.26 COMMUNICATION SYSTEM PLAN -SCALE 1:500

FIG.27 MACHINE LAYOUT PLAN (1/4) -SCALE 1:250
ENTRANCE / LEAVING INSPECTION SHOP, CAR-BODY LIFT-
ING / LOWERING SHOP.

FIG.28 MACHINE LAYOUT PLAN (2/4) -SCALE 1:250
BOGIE SHOP, WHEEL AND AXLE SHOP, TRACTION MOTOR SHOP.

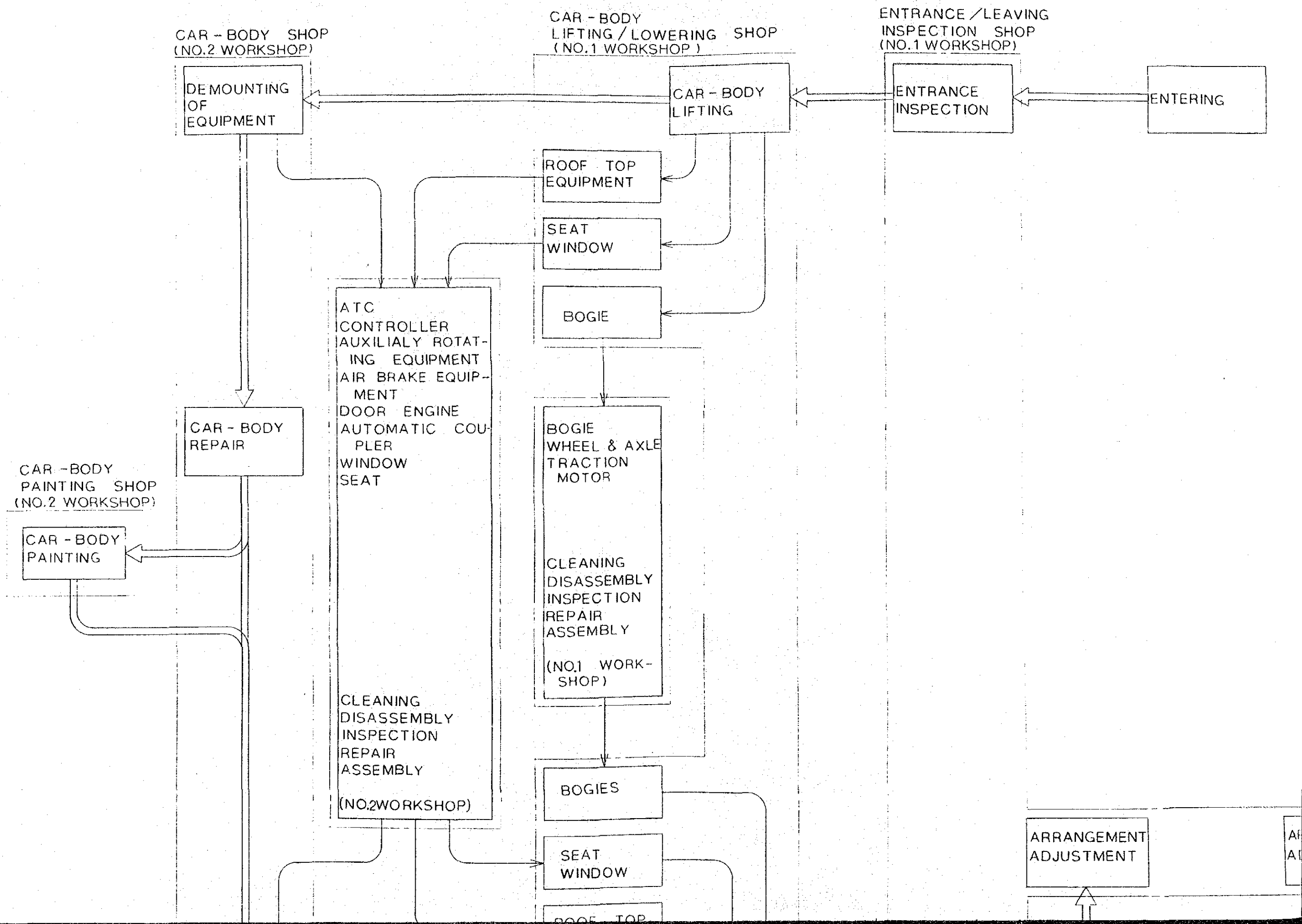
FIG.29 MACHINE LAYOUT PLAN (3/4) -SCALE 1:250
PARTS PAINTING SHOP, CAR-BODY PAINTING SHOP, CAR-BODY
MAJOR REPAIR SHOP, CAR-BODY SHOP.

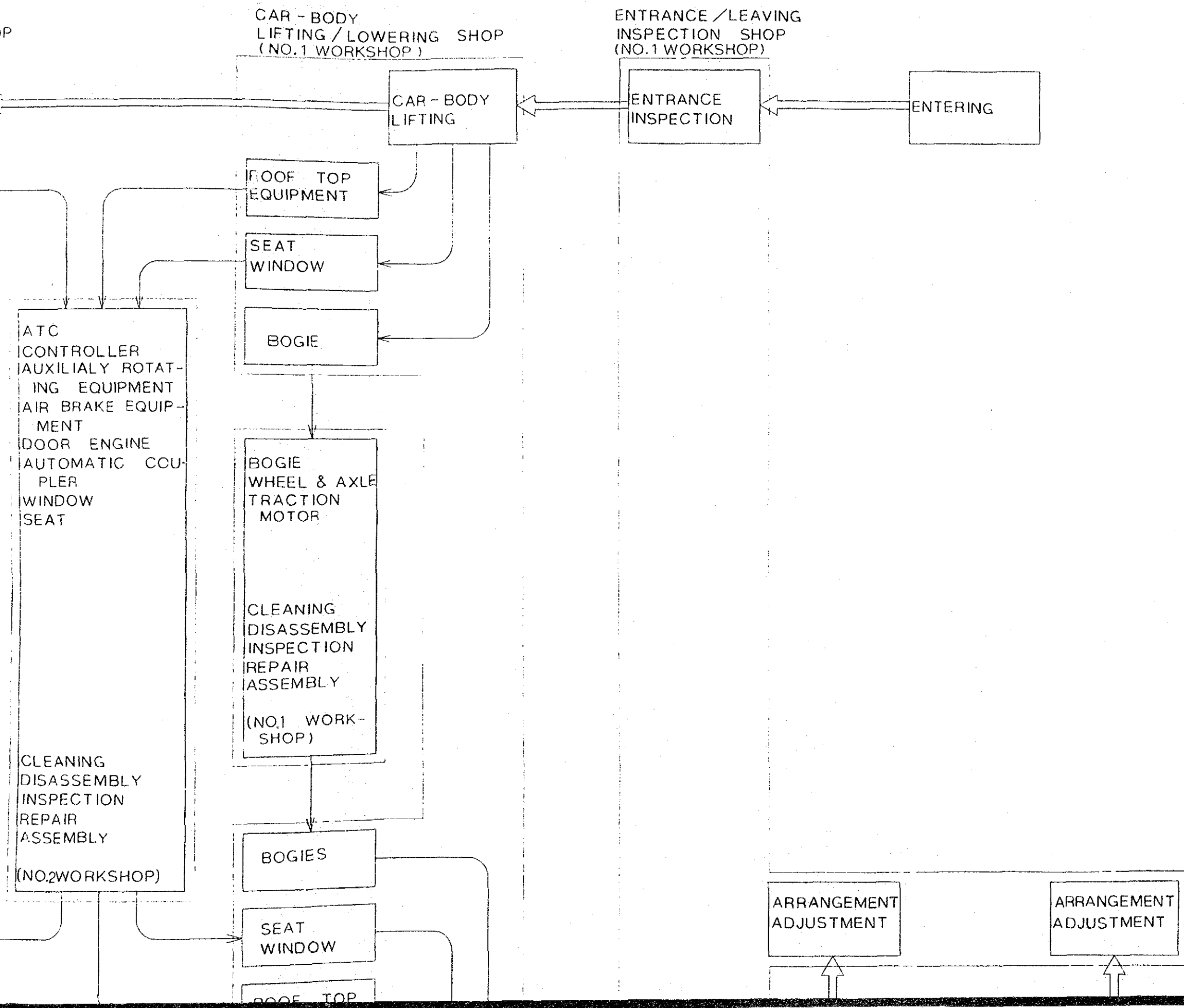
FIG.30 MACHINE LAYOUT PLAN (4/4) -SCALE 1:250
ELECTRIC EQUIPMENT SHOP, AIR BRAKE EQUIPMENT SHOP,
MACHINE SHOP, IRONWORK SHOP, ROTATING EQUIPMENT SHOP,
AND OTHERS.

FIG.31 MACHINE NAME TABLE (FIG.30)

FIG.32 INDUSTRIAL WATER PIPING PLAN - SCALE 1:400

FIG.33 STEAM, NATURAL GAS, COMPRESSED AIR PIPING PLAN
SCALE 1:400





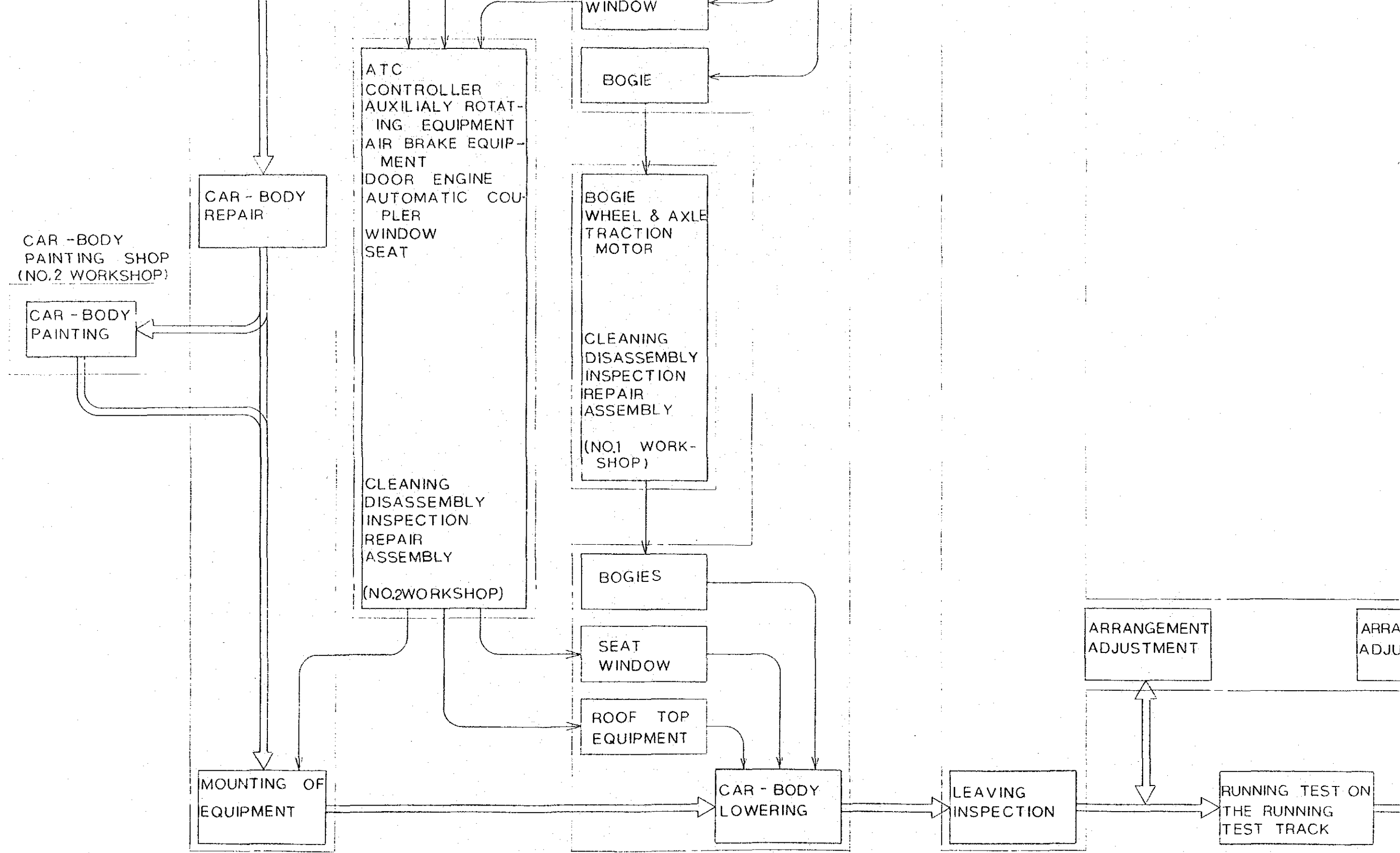


FIG. 1
FLOW OF INSPECTION / REPAIRING WORKS

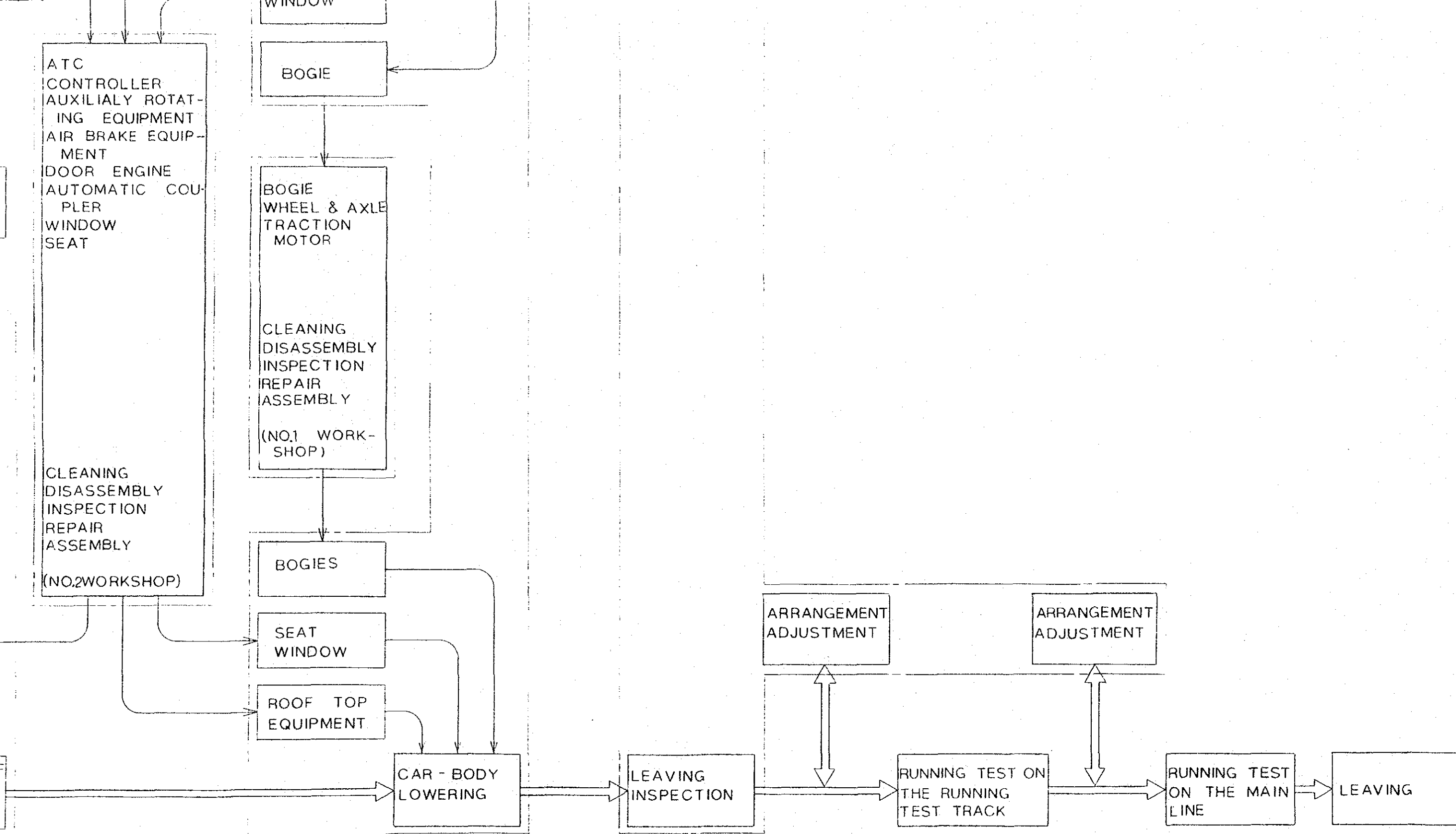
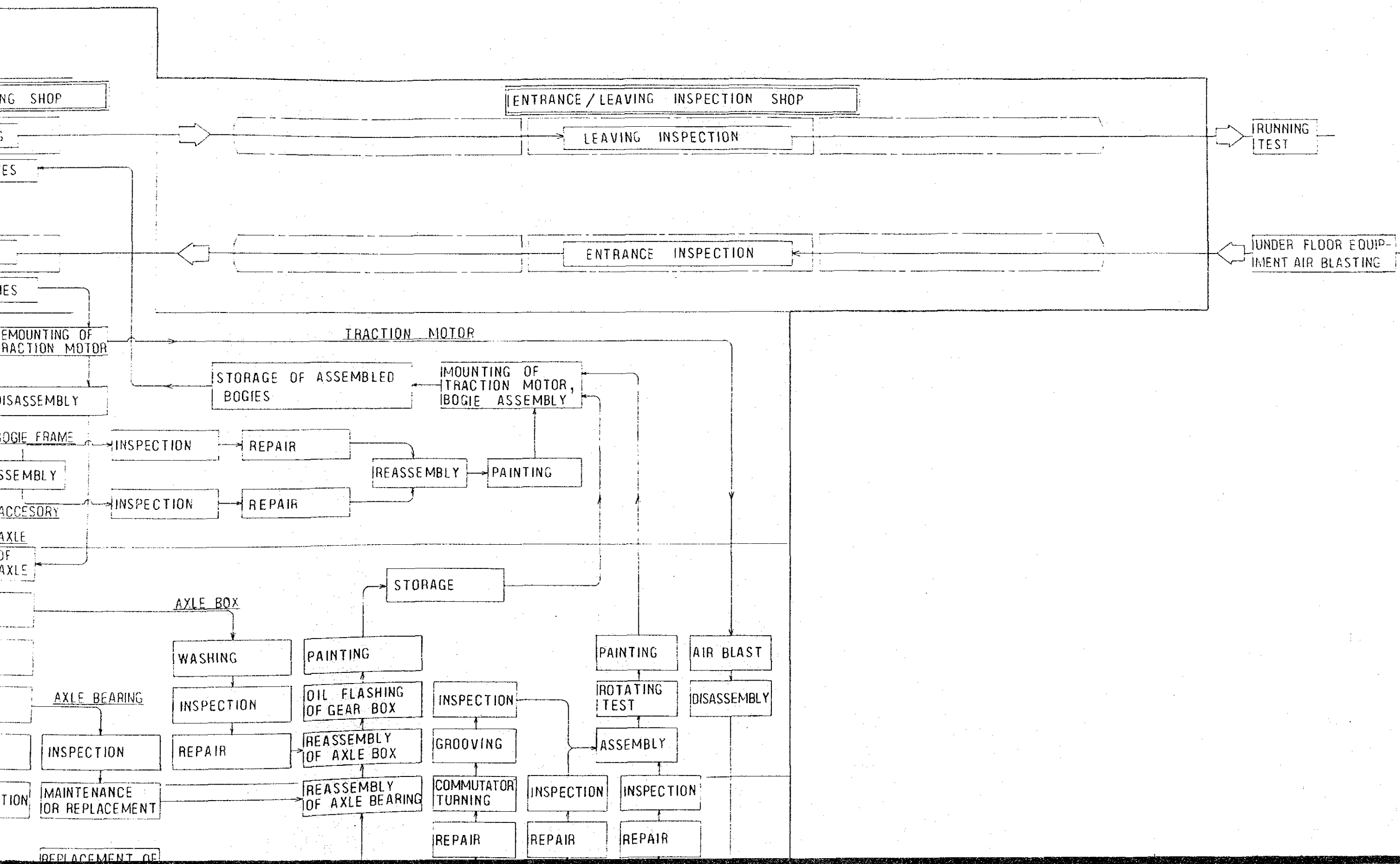


FIG. 1

FLOW OF INSPECTION / REPAIRING WORKS

P



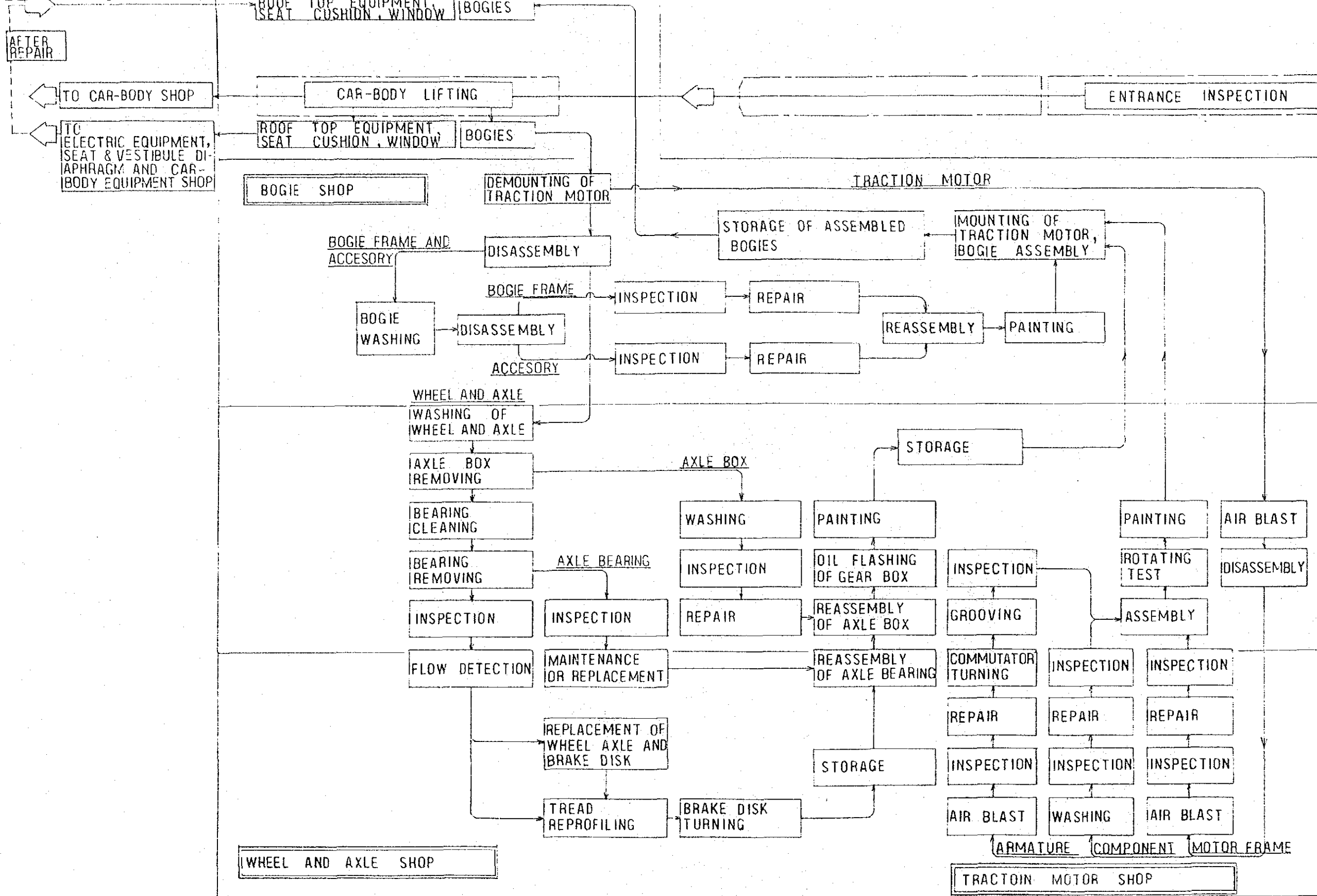
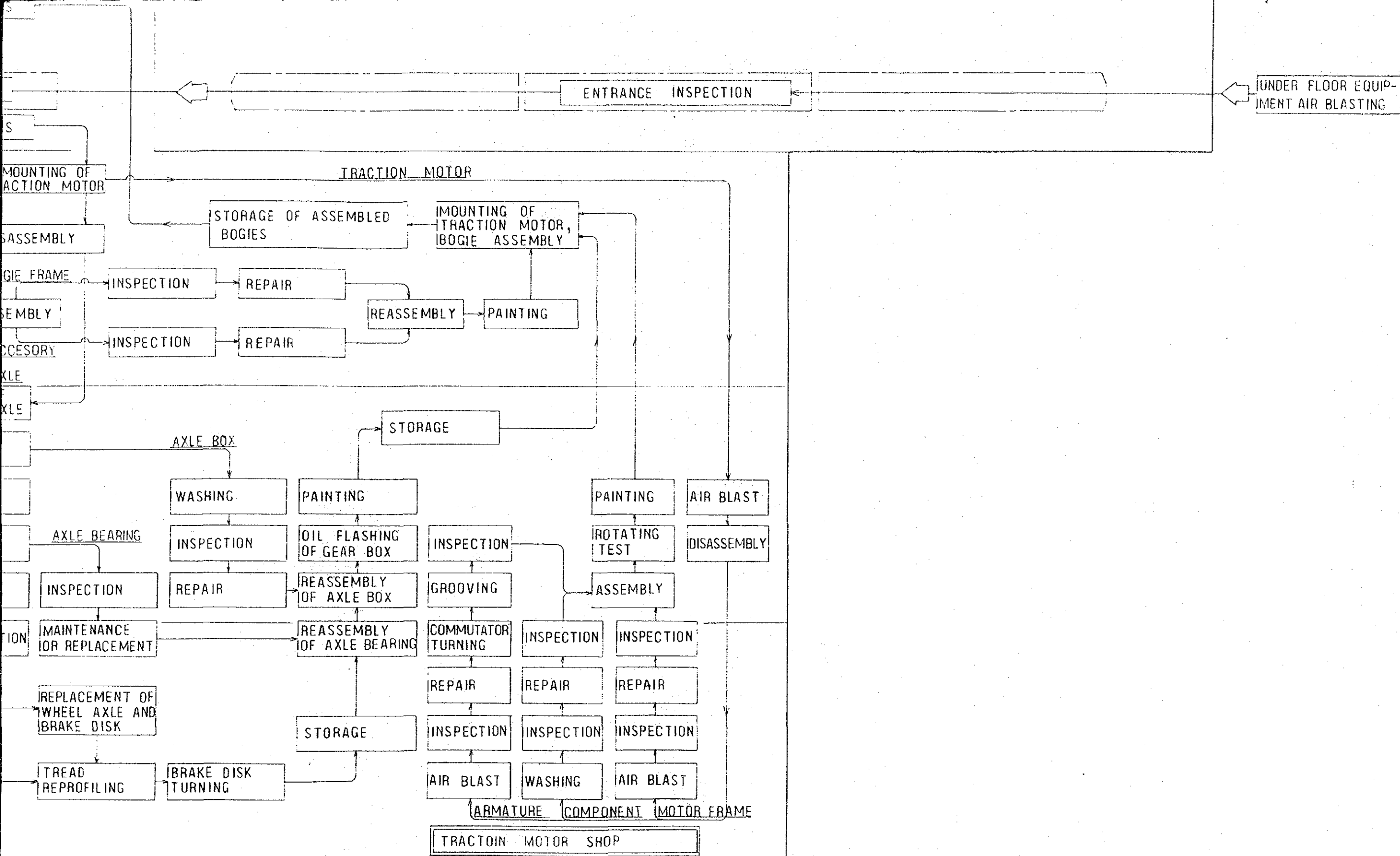
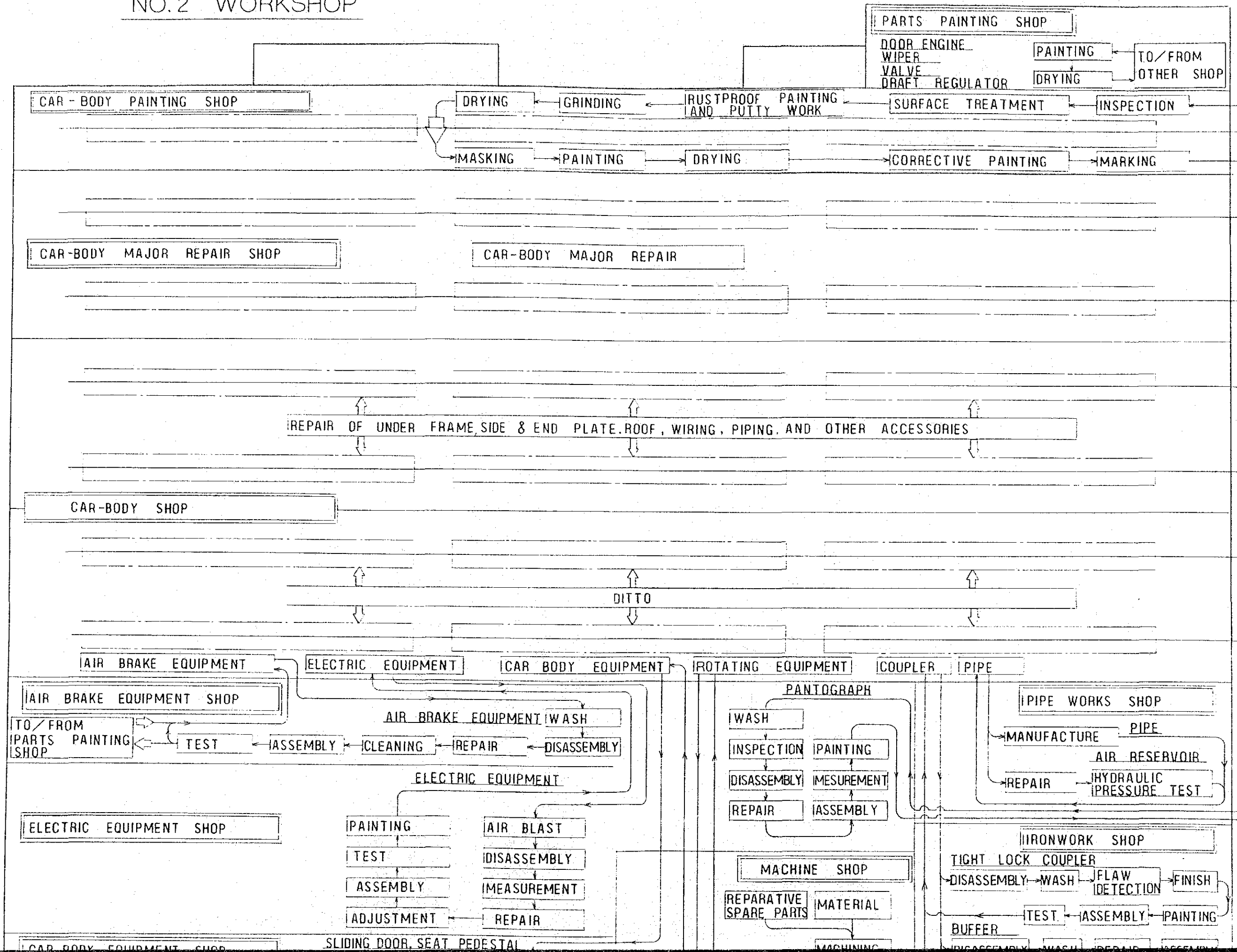


FIG. 2
INSPECTION/REPAIRING WORK PROCESS (1/2)

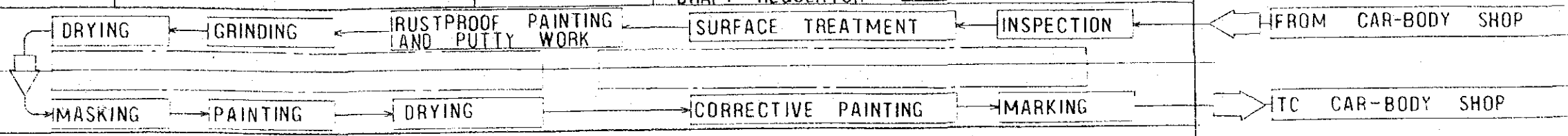
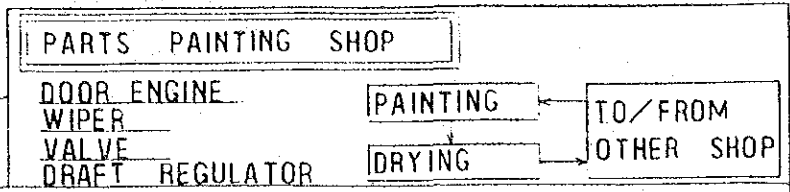


TRACTION/REPAIRING WORK PROCESS (1/2)

NO. 2 WORKSHOP

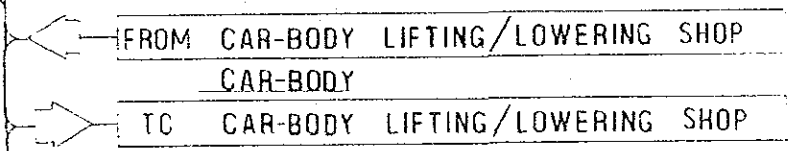


WORKSHOP



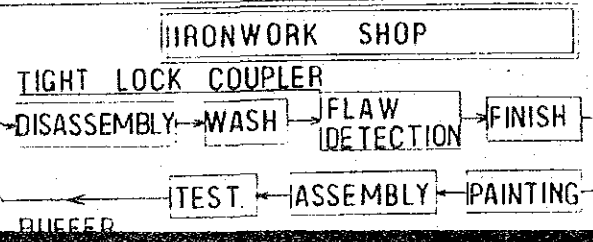
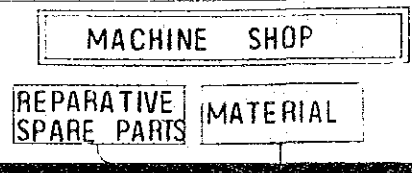
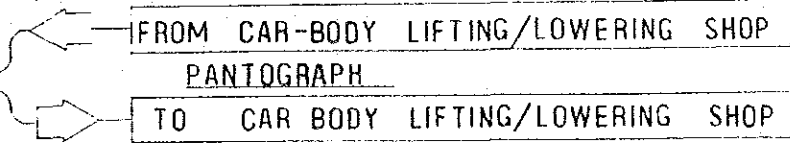
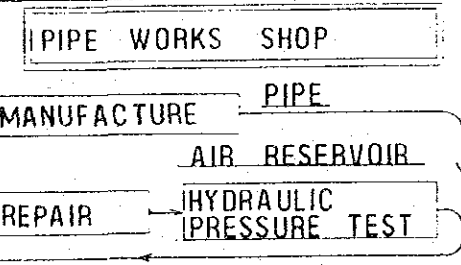
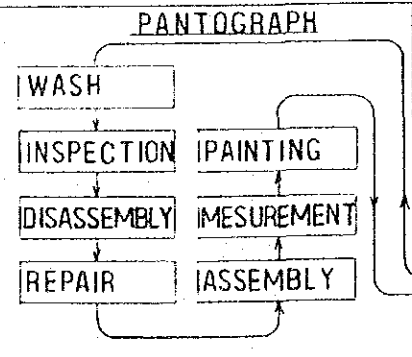
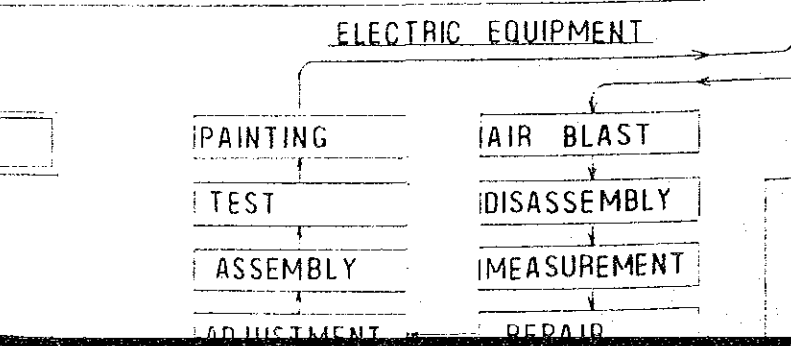
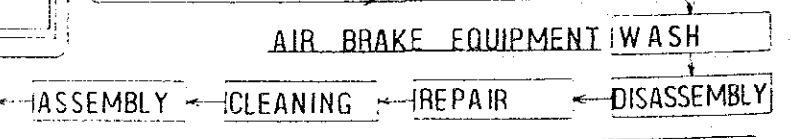
SHOP CAR-BODY MAJOR REPAIR

REPAIR OF UNDER FRAME, SIDE & END PLATE, ROOF, WIRING, PIPING, AND OTHER ACCESSORIES



DITTO

ELECTRIC EQUIPMENT CAR BODY EQUIPMENT ROTATING EQUIPMENT COUPLER PIPE



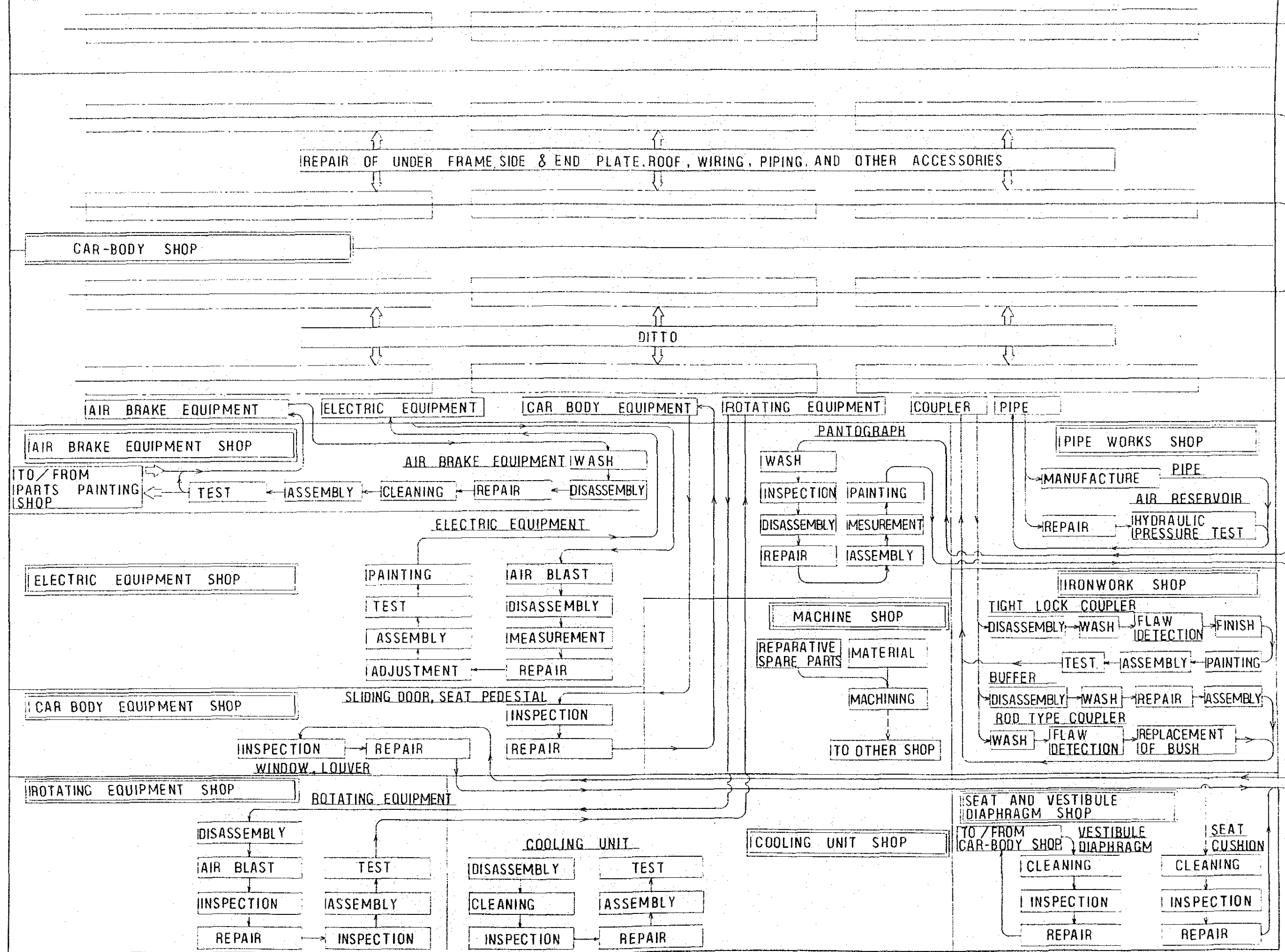


FIG. 3
INSPECTION/REPAIRING WORK PROCESS (2/2)

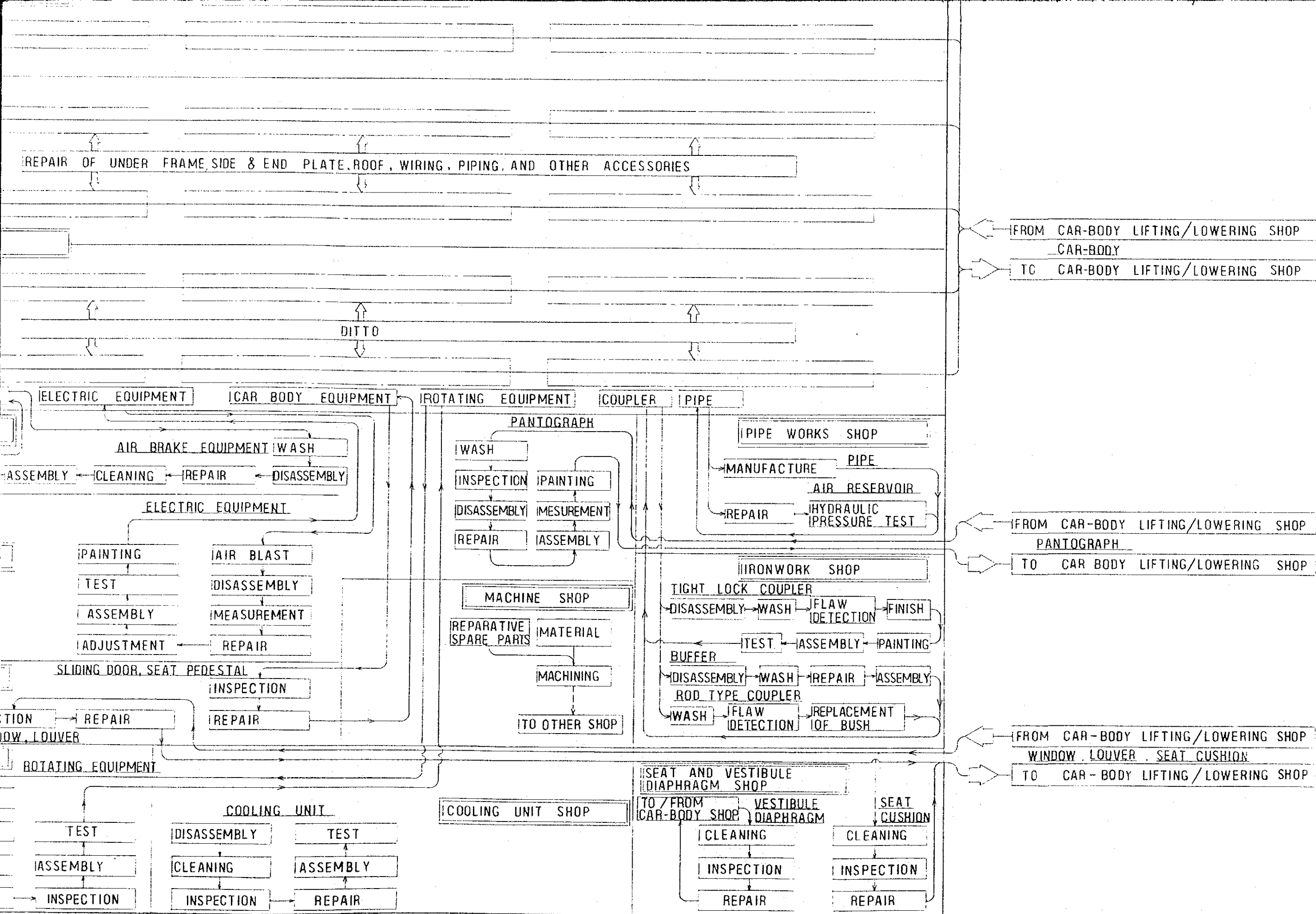
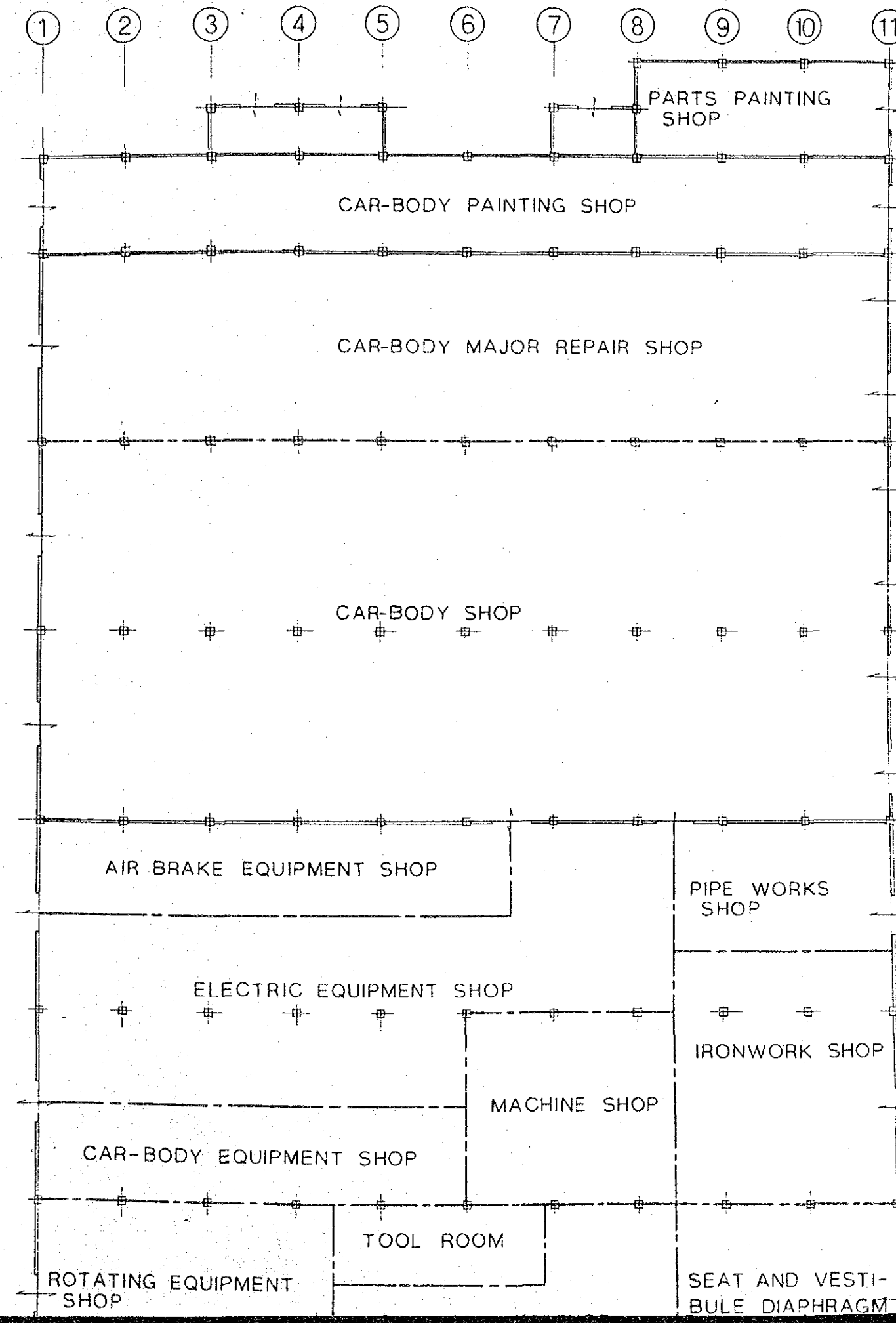
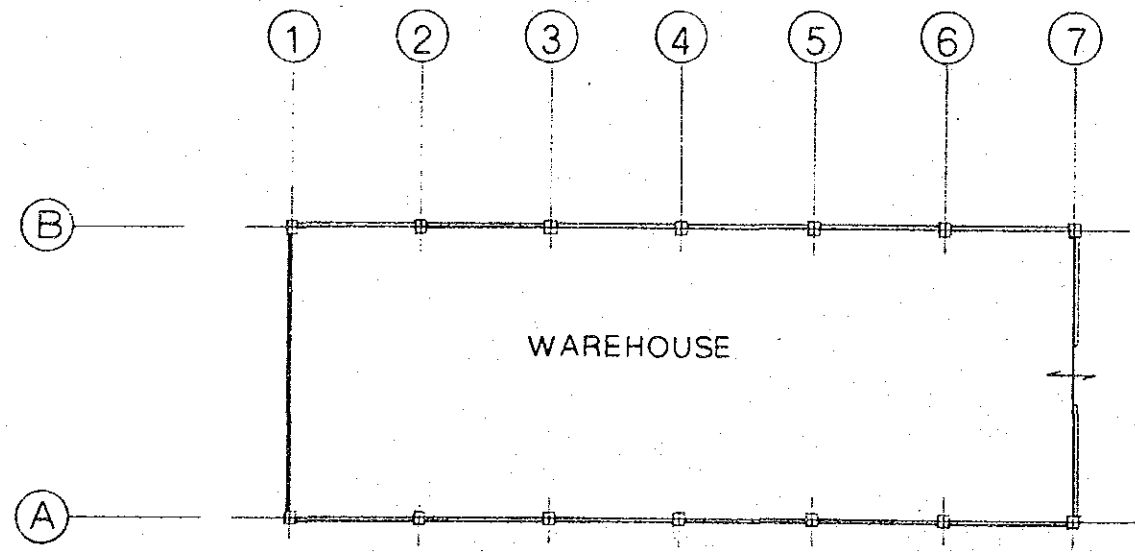
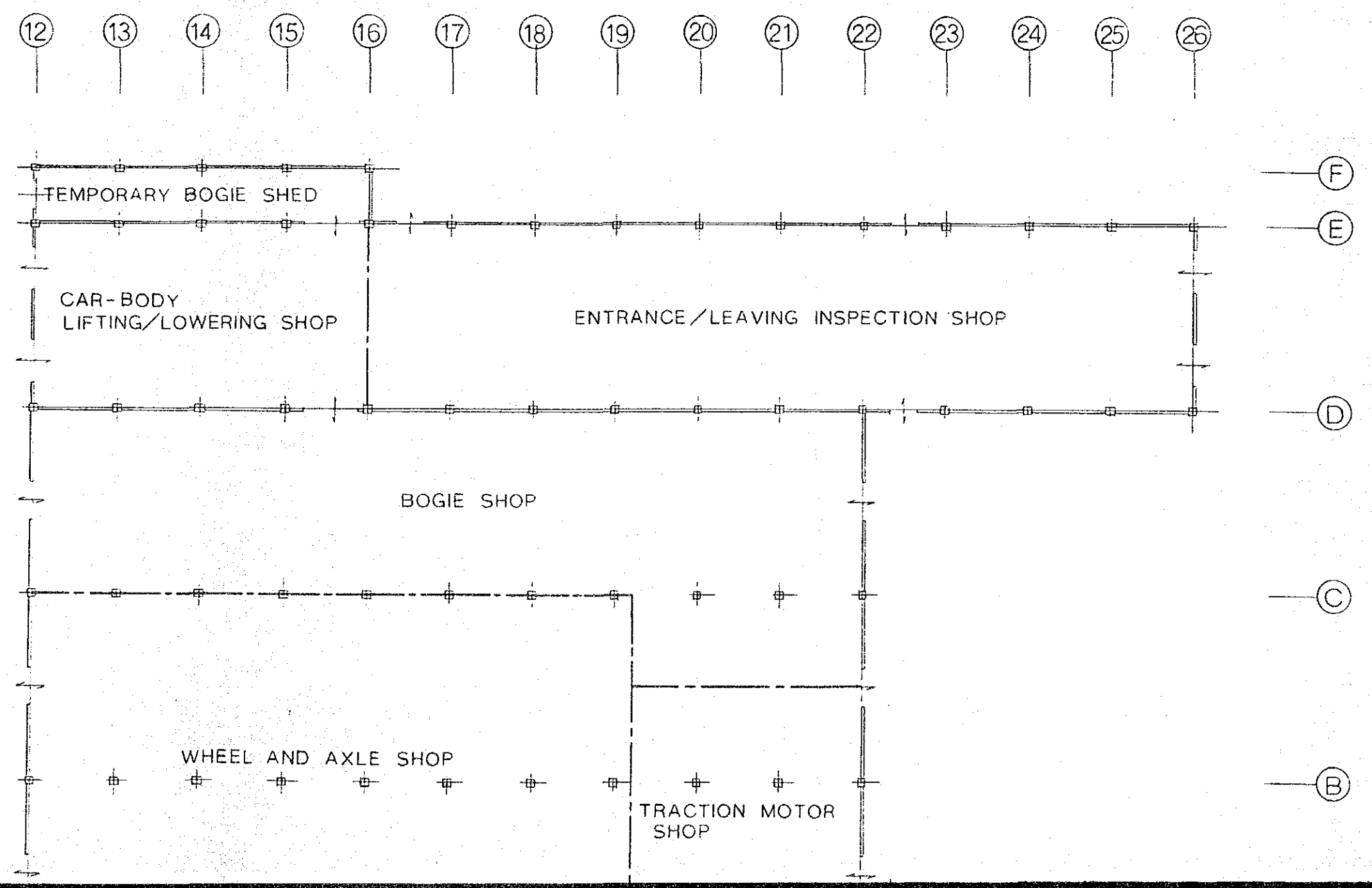
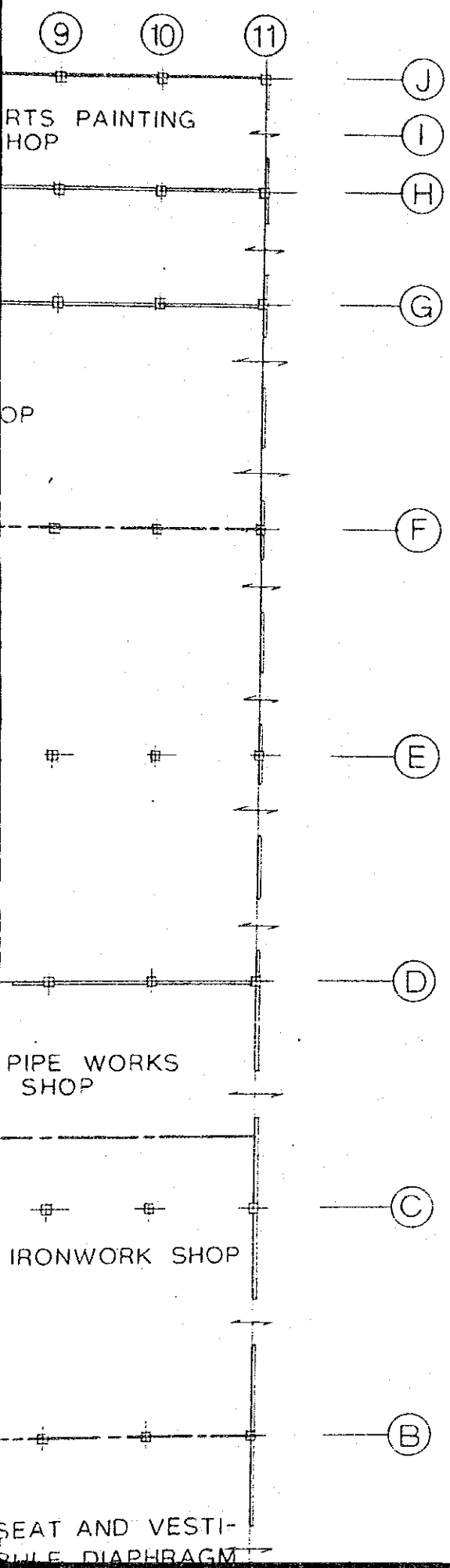
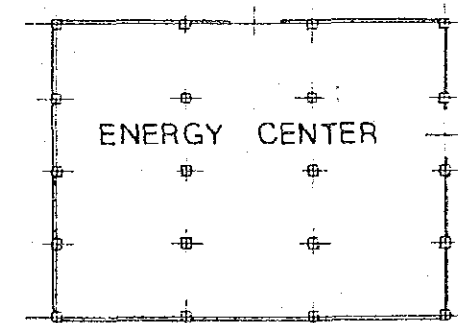
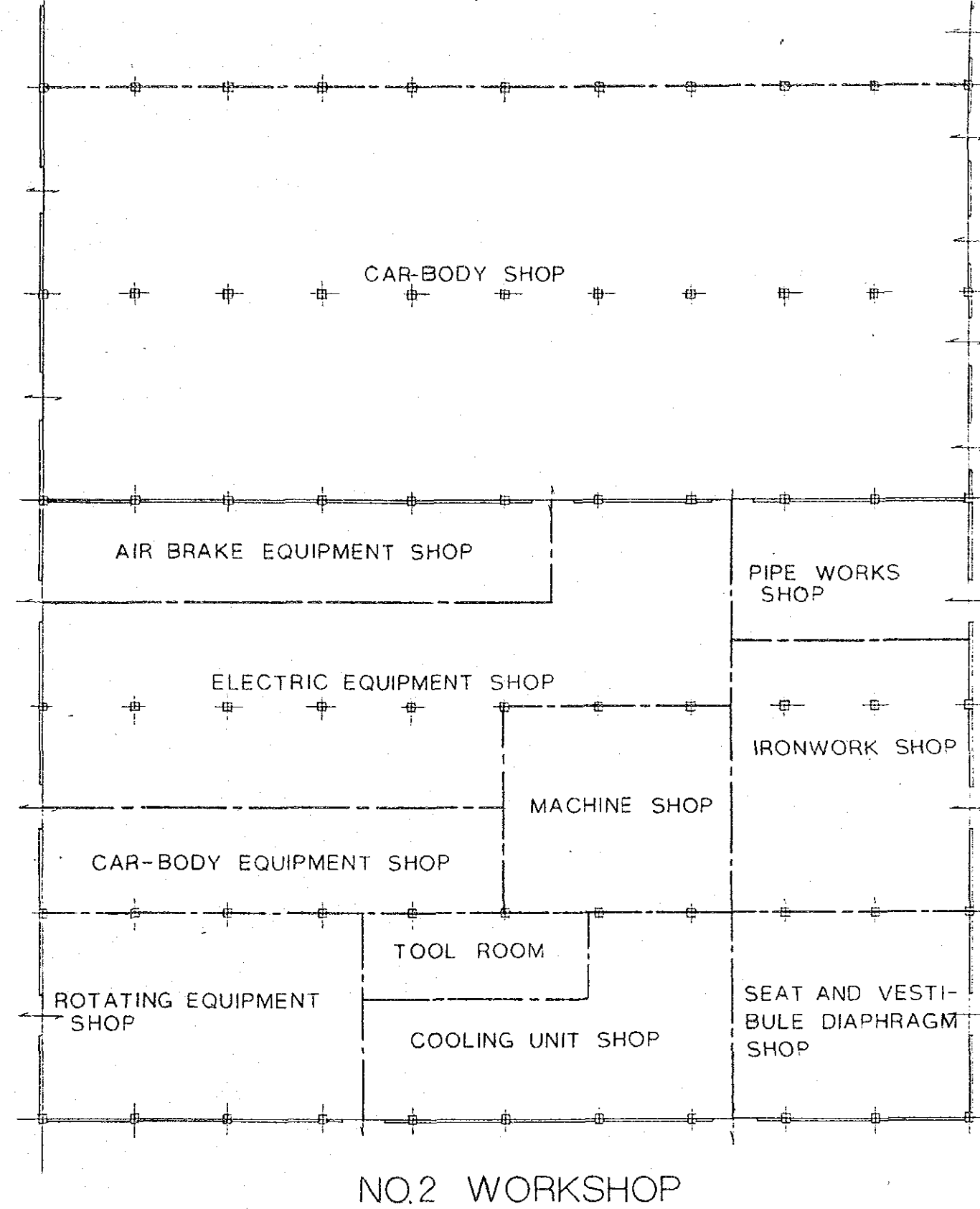
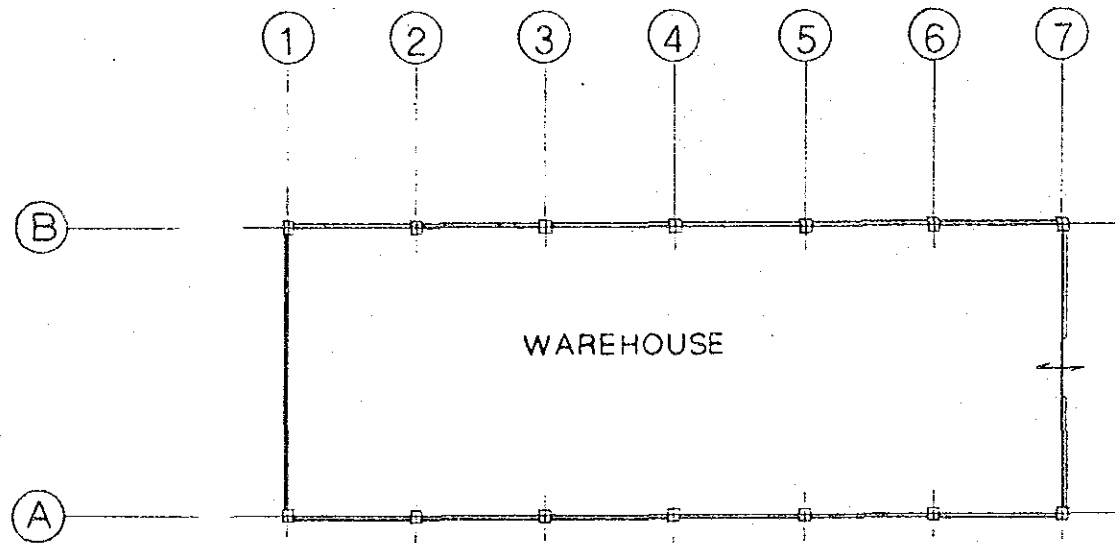


FIG. 3
INSPECTION/REPAIRING WORK PROCESS (2/2)







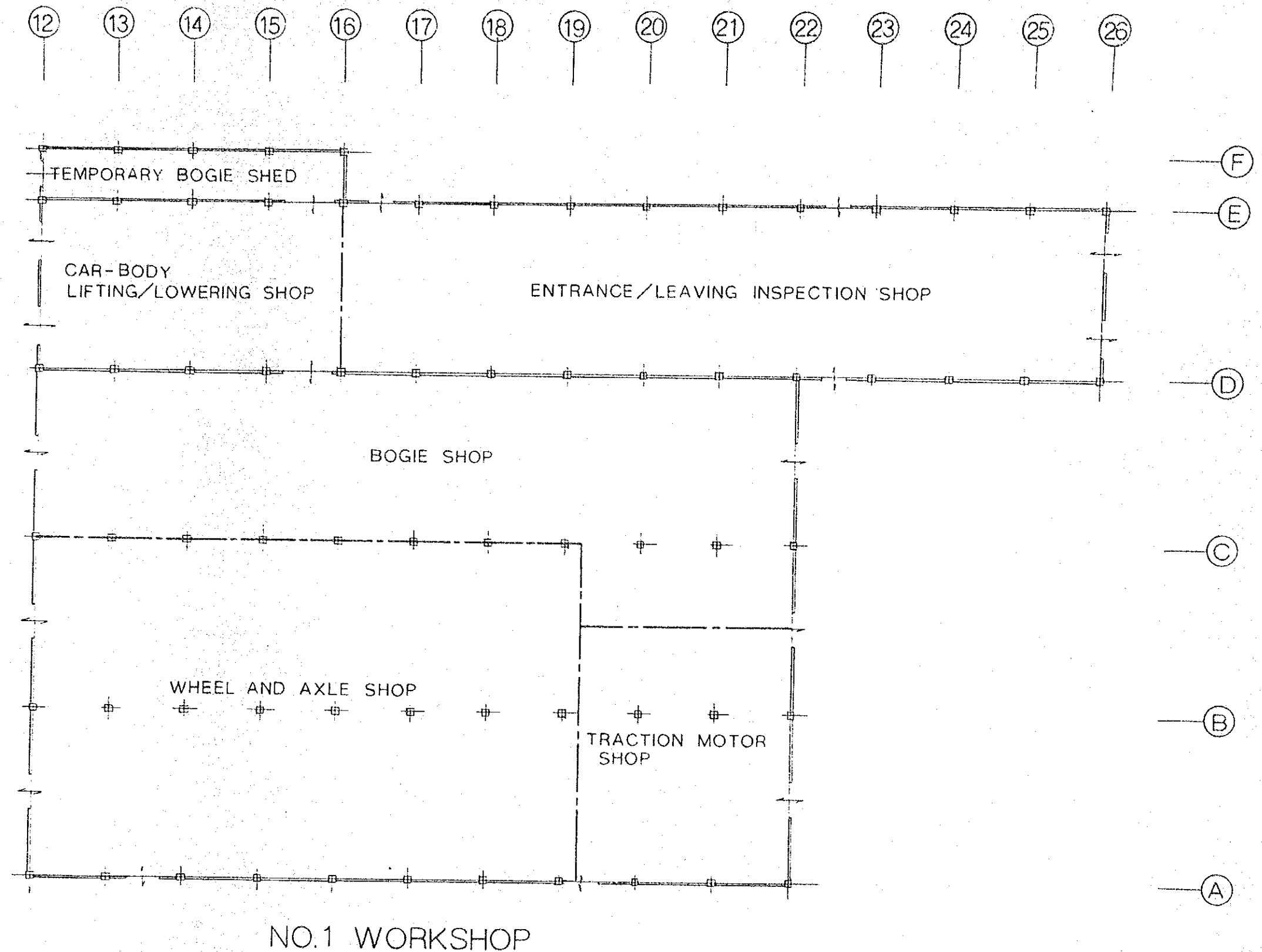
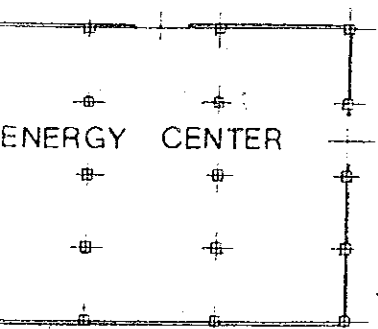
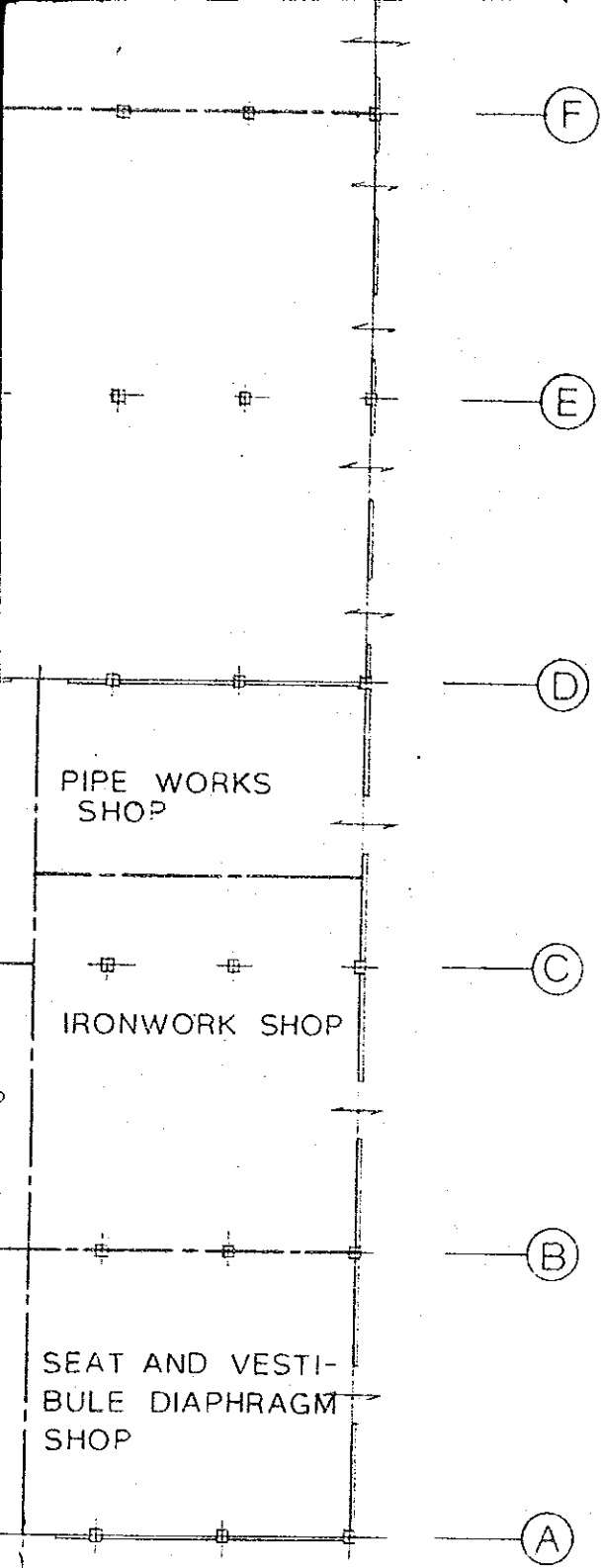
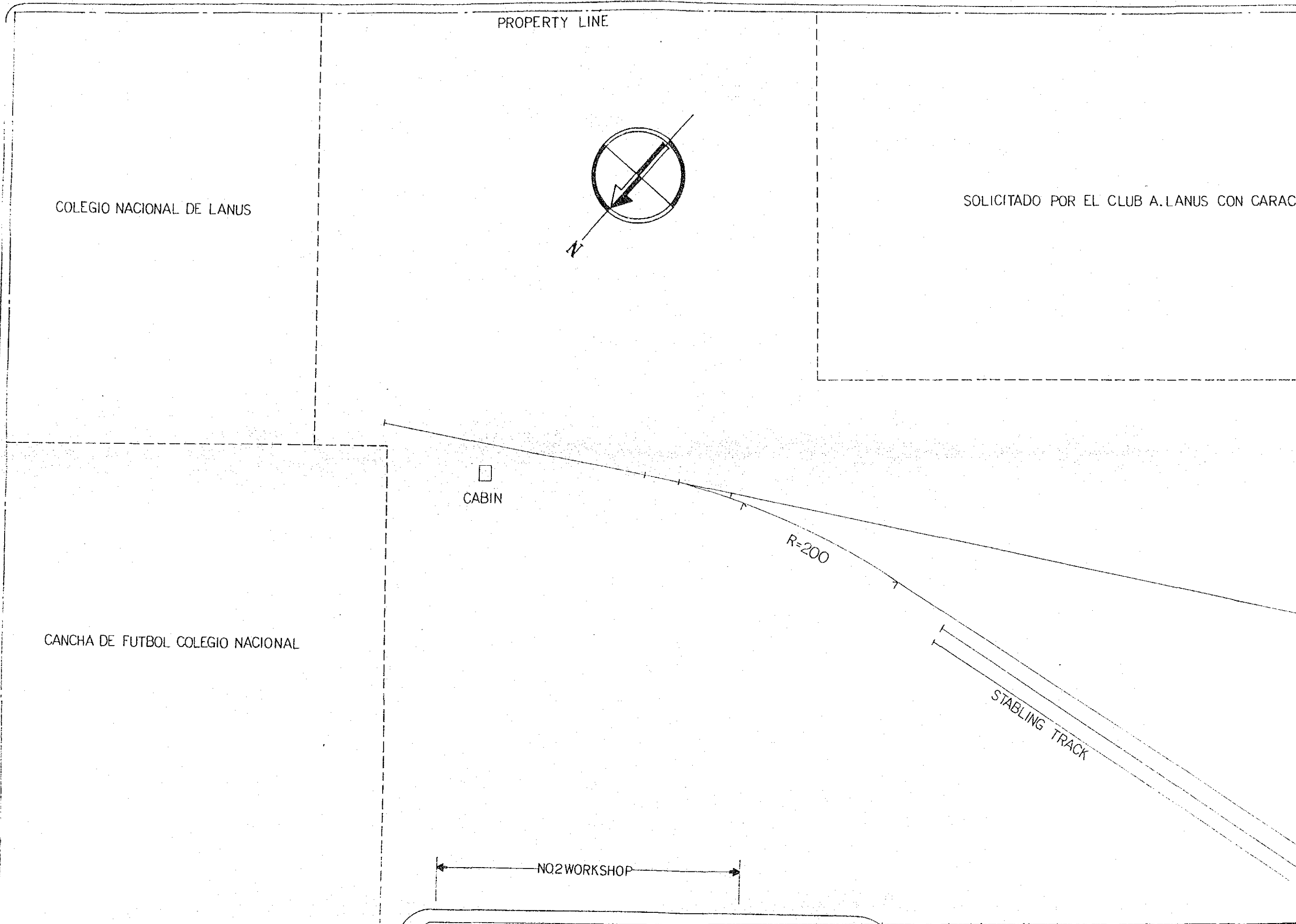


FIG. 4
SECTIONING OF SHOPS

CALLE GRAL INOCENCIO ARIAS



PROPERTY LINE

COLEGIO NACIONAL DE LANUS

SOLICITADO POR EL CLUB A. LANUS CON CARAC

CABIN

R=200

CANCHA DE FUTBOL COLEGIO NACIONAL

STABLING TRACK

NO2 WORKSHOP

ANUS CON CARACTER PRINCIPAL

PROPERTY LINE

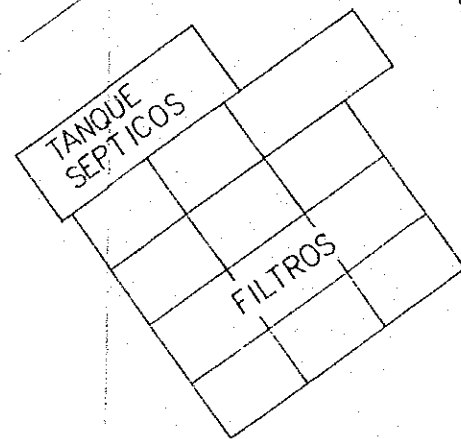
COLONIA

PROPERTY LINE

RUNNING TEST TRACK

COLONIA

PROPERTY LINE



PUENTE CARRETERO
TO TEMPERLEY

CALLE GRAL INOCEN

COLEGIO INDUSTRIAL DE LANUS

NO.2 WORKSHOP

NO.1 WORKSHOP

GANTRY CRANE

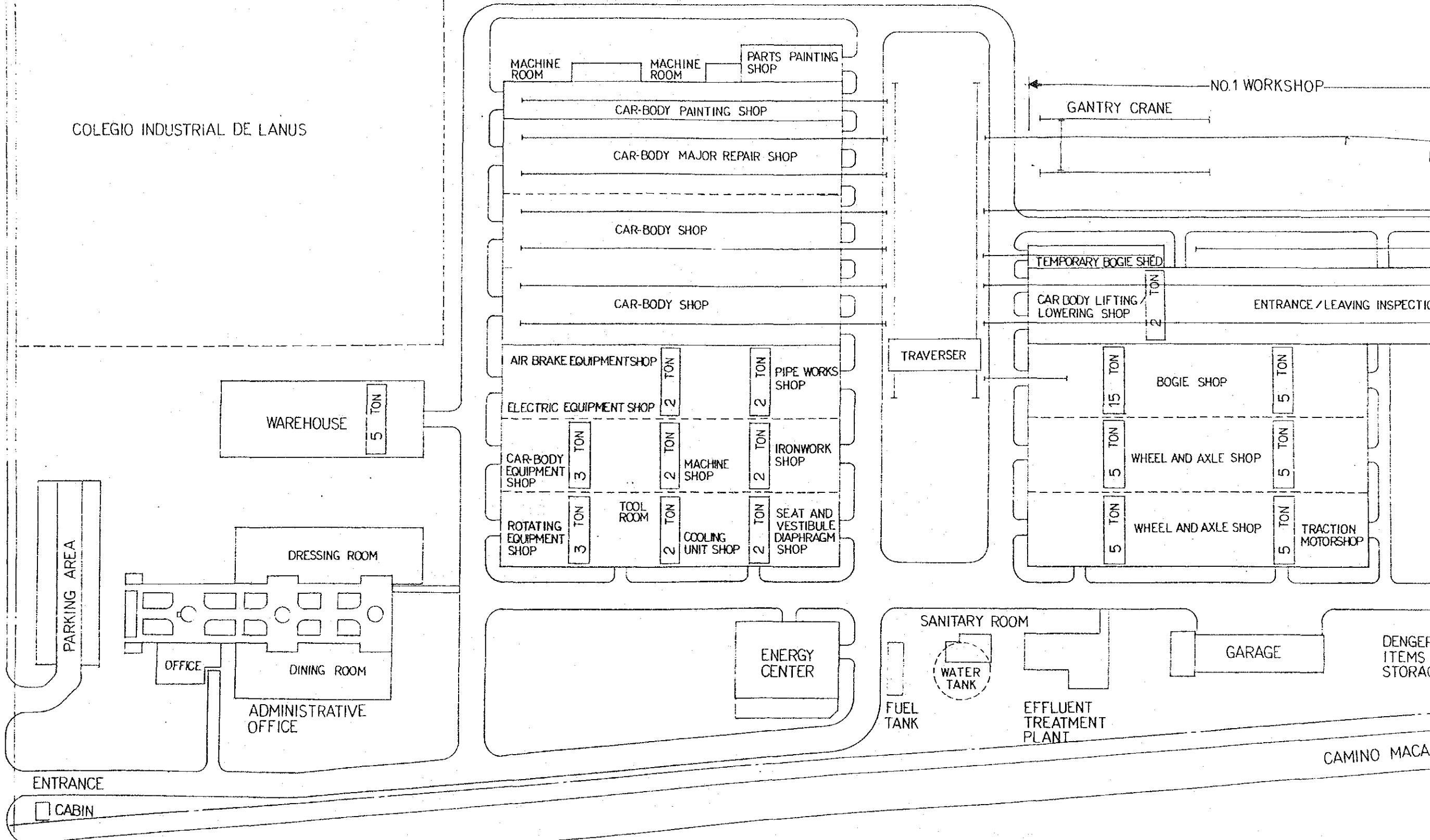
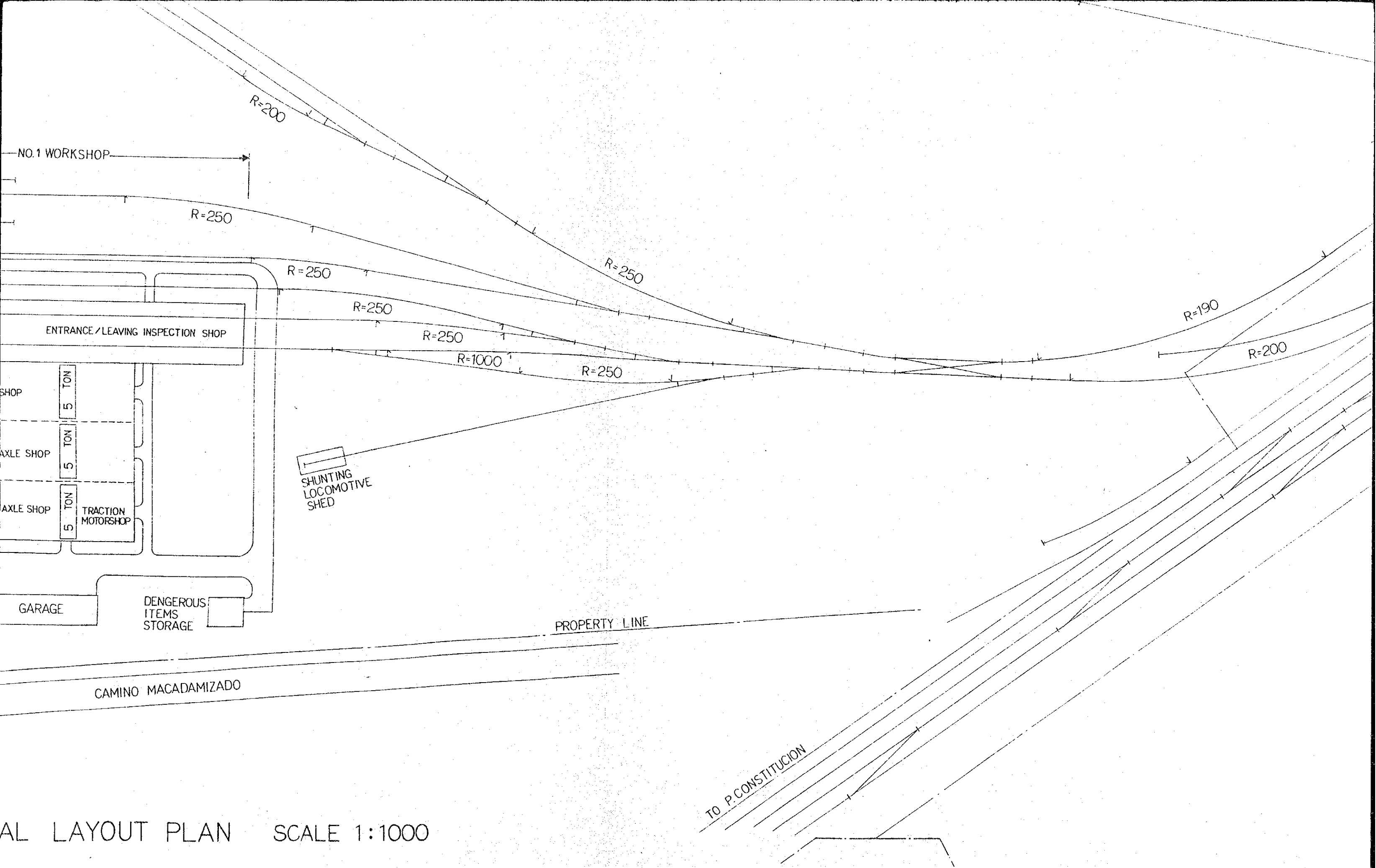
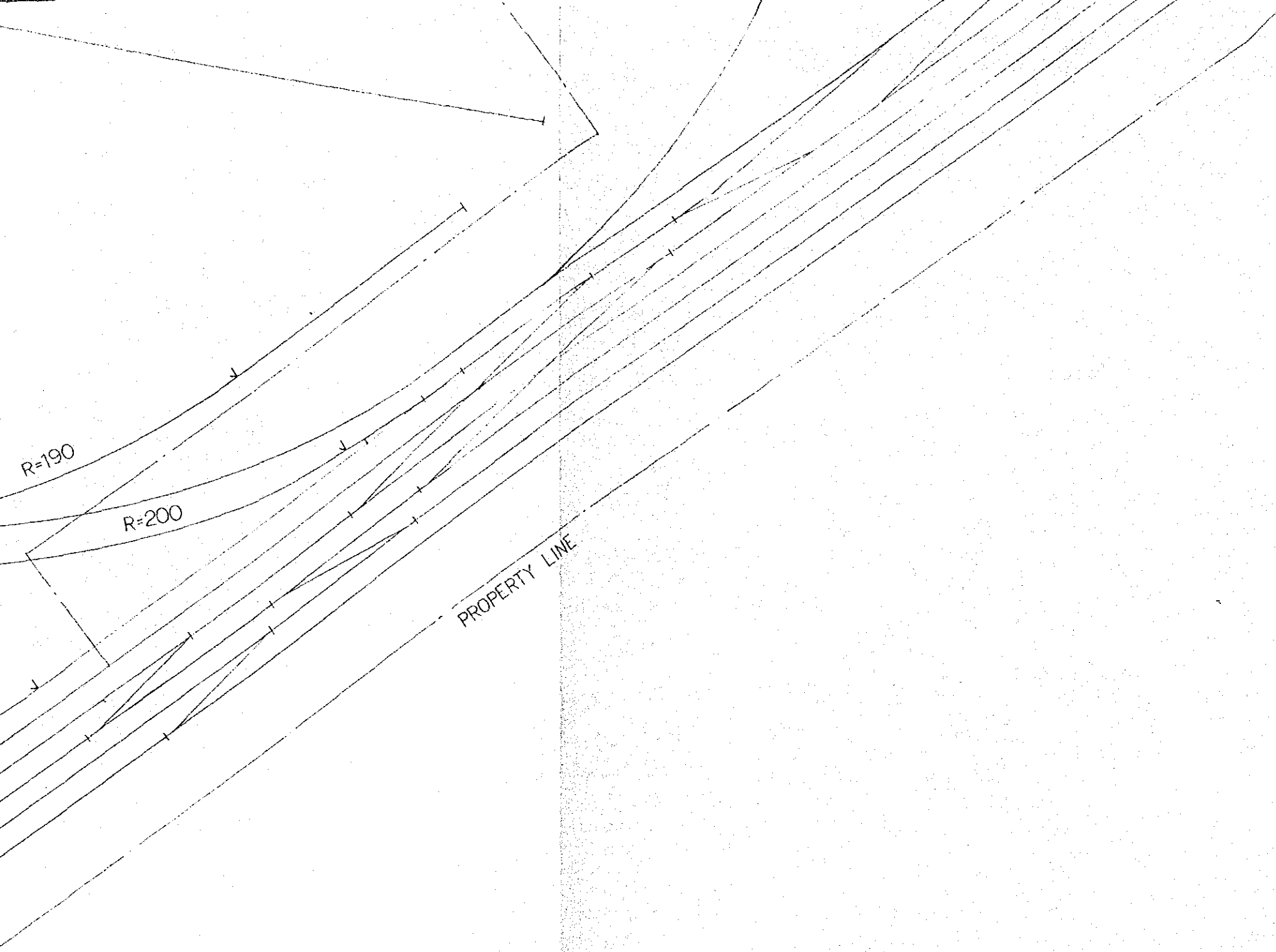


FIG.5 GENERAL LAYOUT P



GENERAL LAYOUT PLAN SCALE 1:1000



R=190

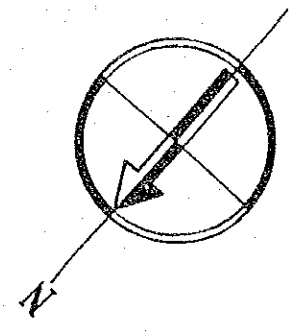
R=200

PROPERTY LINE

CALLE GRAL INOCENCIO ARIAS

COLEGIO NACIONAL DE LANUS

PROPERTY LINE



SOLICITADO POR EL CLUB A.LANUS CON CARA

CABIN

CANCHA DE FUTBOL COLEGIO NACIONAL

R=200

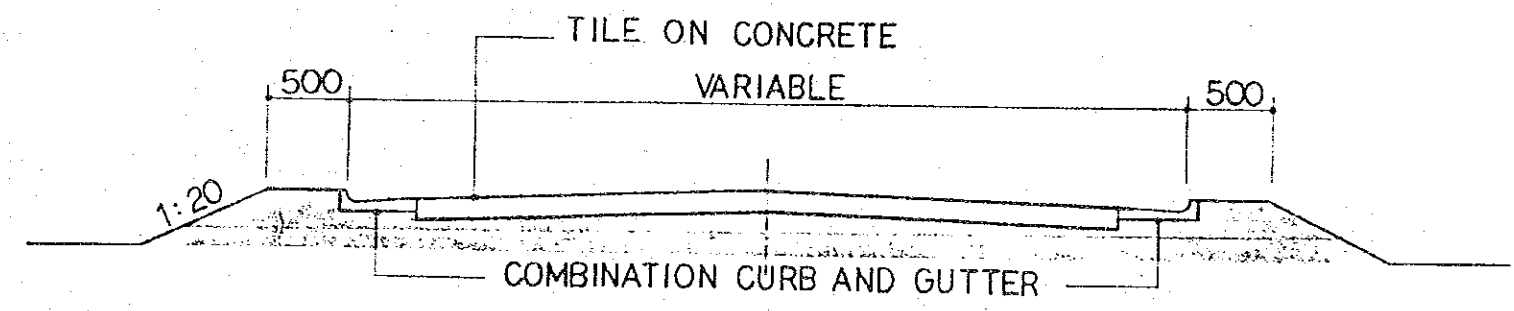
STABLING TRACK

B A. LANUS CON CARACTER PRINCIPAL

PROPERTY LINE

COLONIA

PROPERTY LINE



CROSS SECTION OF ROAD
SCALE 1:50

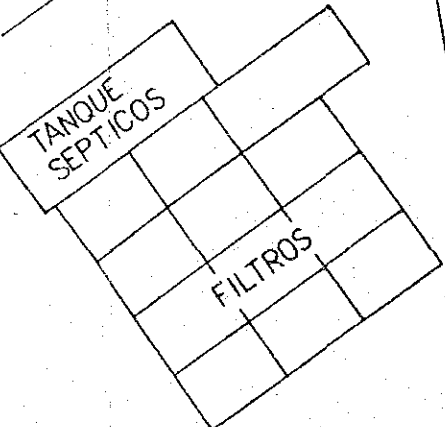
RUNNING TEST TRACK

R=20

COLONIA

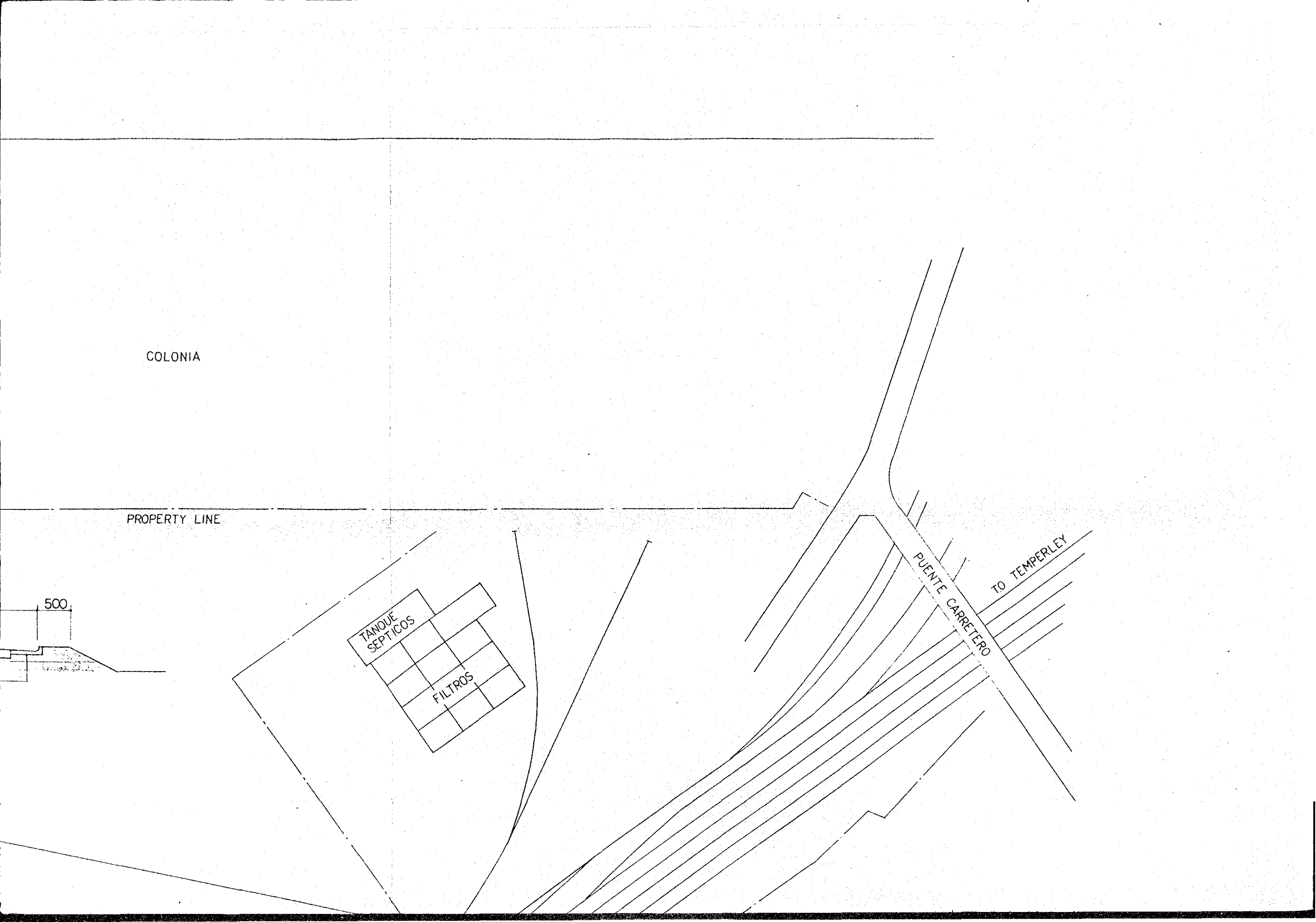
PROPERTY LINE

500



PUENTE CARRETERO

TO TEMPERLEY



CALLE GRAL INO

COLEGIO INDUSTRIAL DE LANUS

WAREHOUSE

PARKING AREA

ADMINISTRATIVE OFFICE

NO.2 WORKSHOP

NO.1 WORKSHOP

ENERGY CENTER

WATER TANK

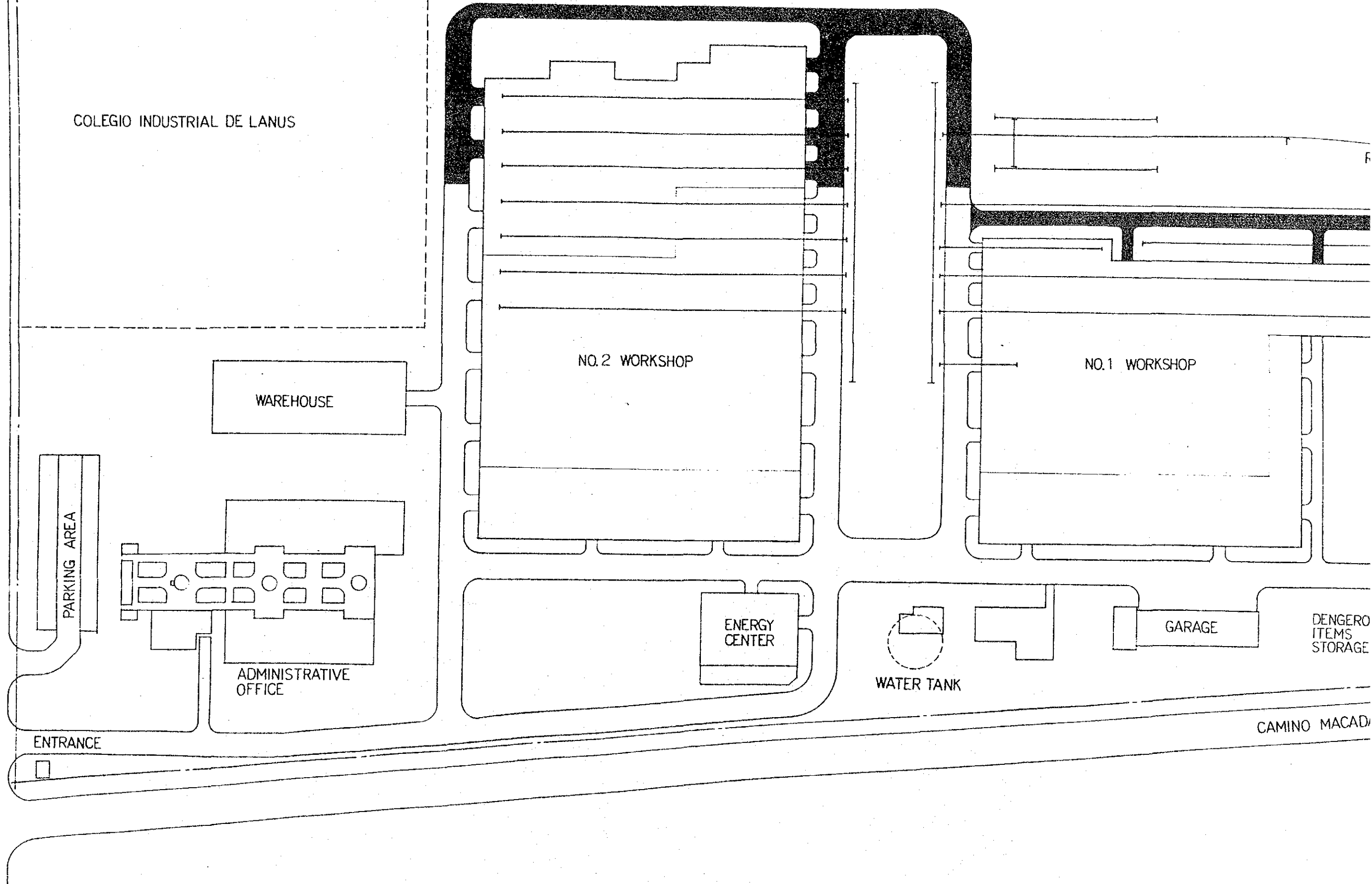
GARAGE

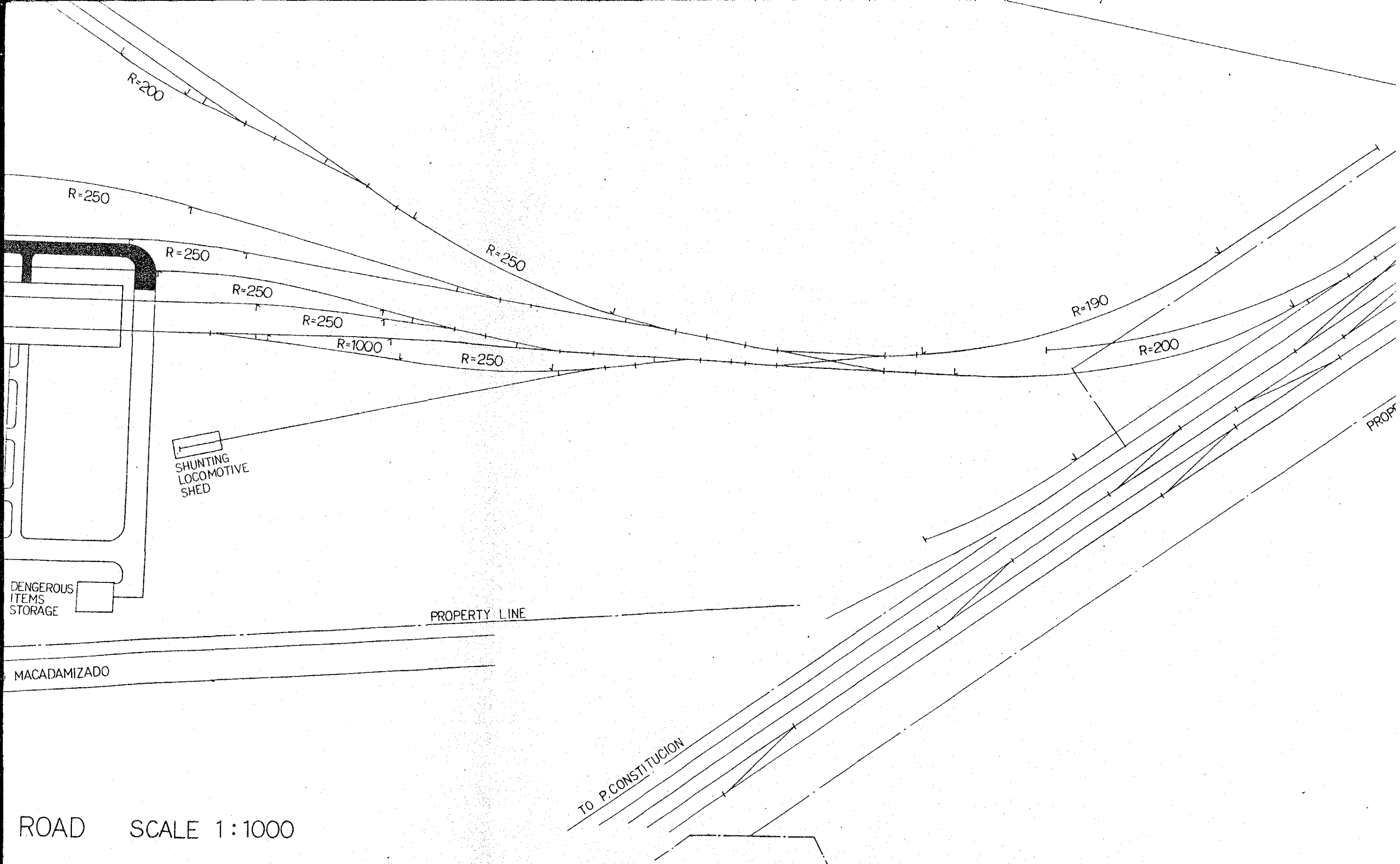
DANGEROUS ITEMS STORAGE

ENTRANCE

CAMINO MACAD

FIG.6 LAYOUT OF ROAD





SHUNTING
LOCOMOTIVE
SHED

DANGEROUS
ITEMS
STORAGE

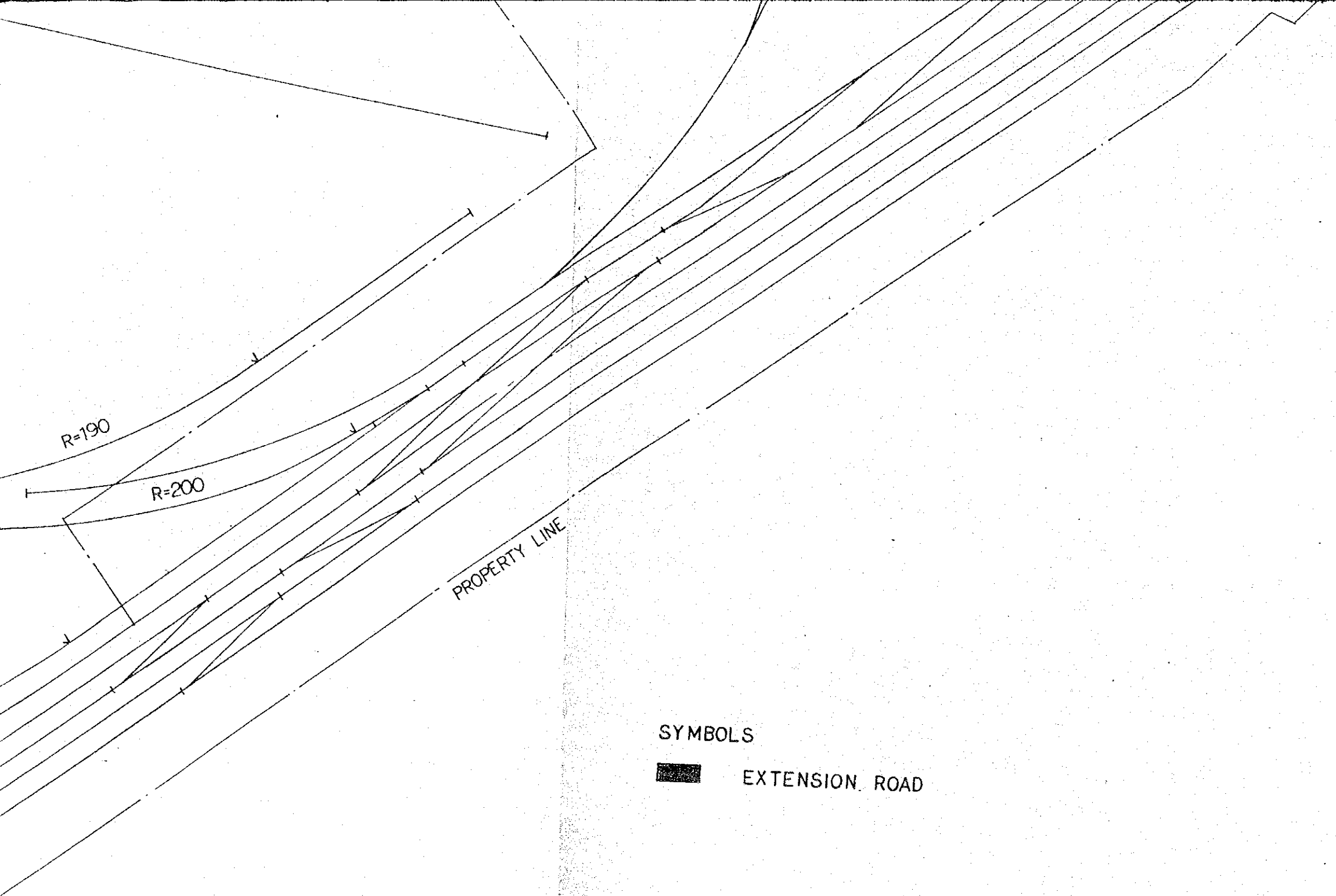
PROPERTY LINE

MACADAMIZADO

ROAD SCALE 1:1000

TO P.CONSTITUCION

PROPR



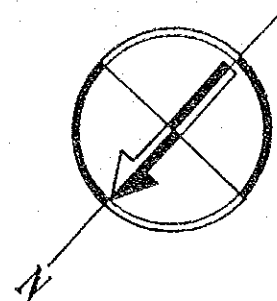
SYMBOLS

■ EXTENSION ROAD

CALLE GRAL INOCENCIO ARIAS

COLEGIO NACIONAL DE LANUS

PROPERTY LINE



SOLICITADO POR EL CLUB A. LANUS CON CARACT

CABIN

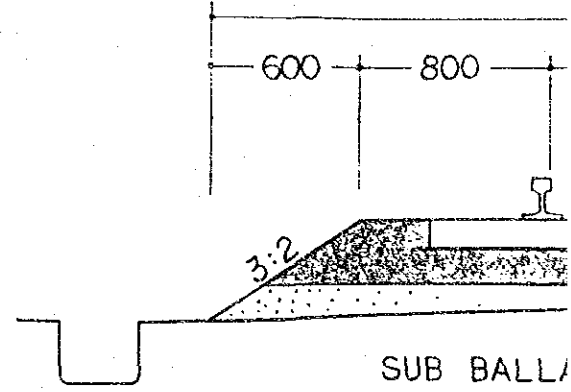
CANCHA DE FUTBOL COLEGIO NACIONAL

R=200

STABLING TRACK

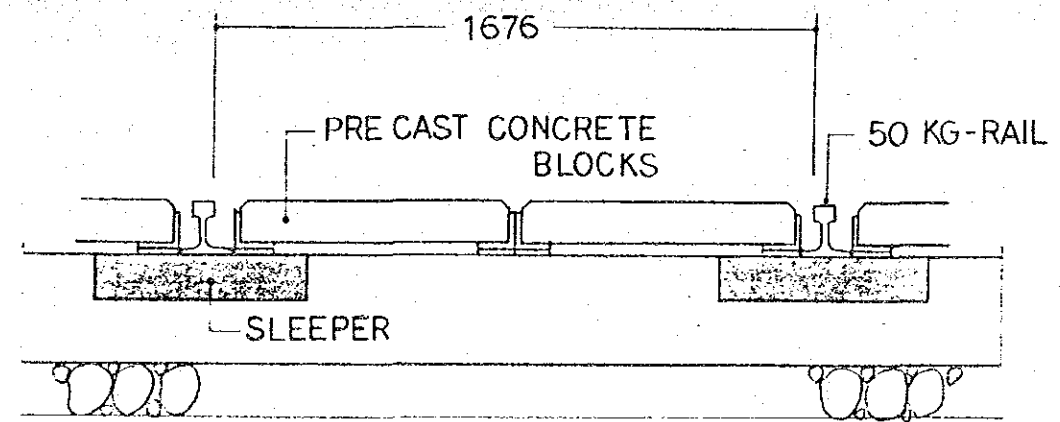
NUS CON CARACTER PRINCIPAL

PROPERTY LINE



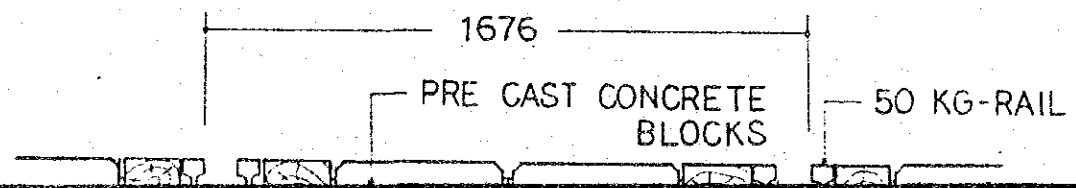
TYPICAL

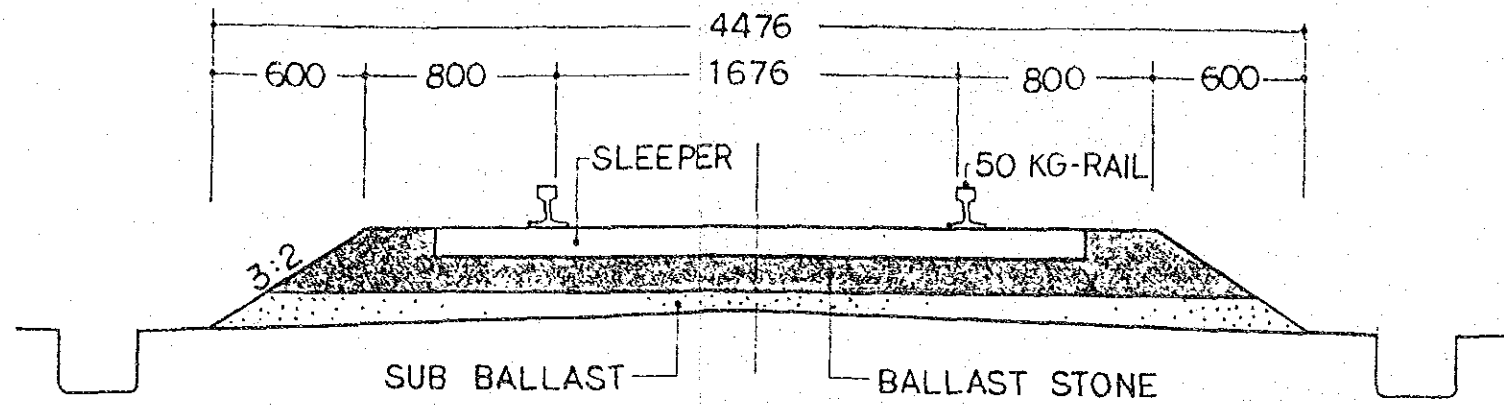
PROPERTY LINE



CROSS SECTION IN WORKSHOP
SCALE 1:20

RUNNING TEST TRACK

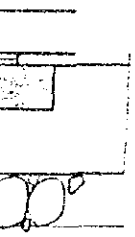




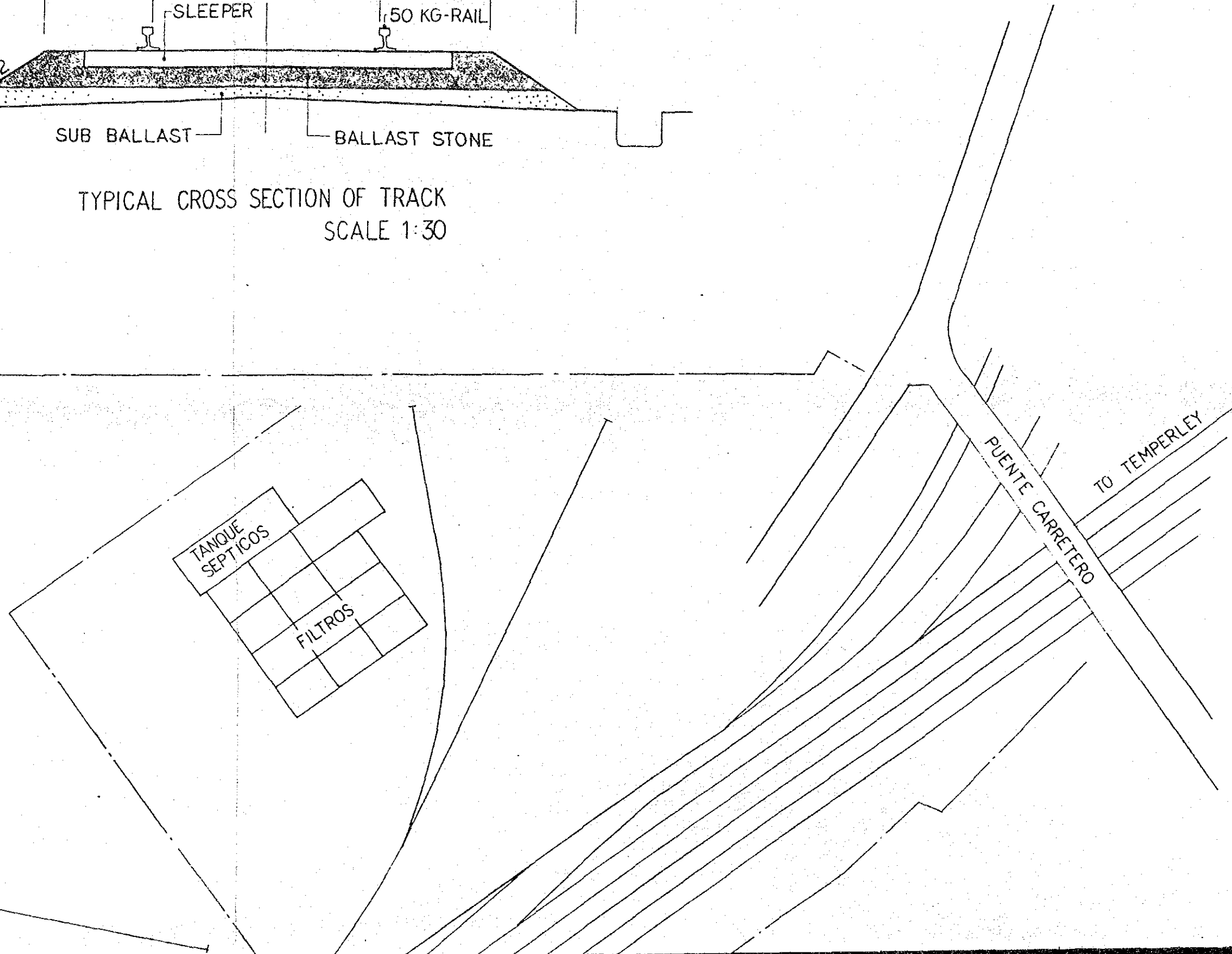
TYPICAL CROSS SECTION OF TRACK
SCALE 1:30

PROPERTY LINE

50 KG-RAIL



0 KG-RAIL



CALLE GRAL

COLEGIO INDUSTRIAL DE LANUS

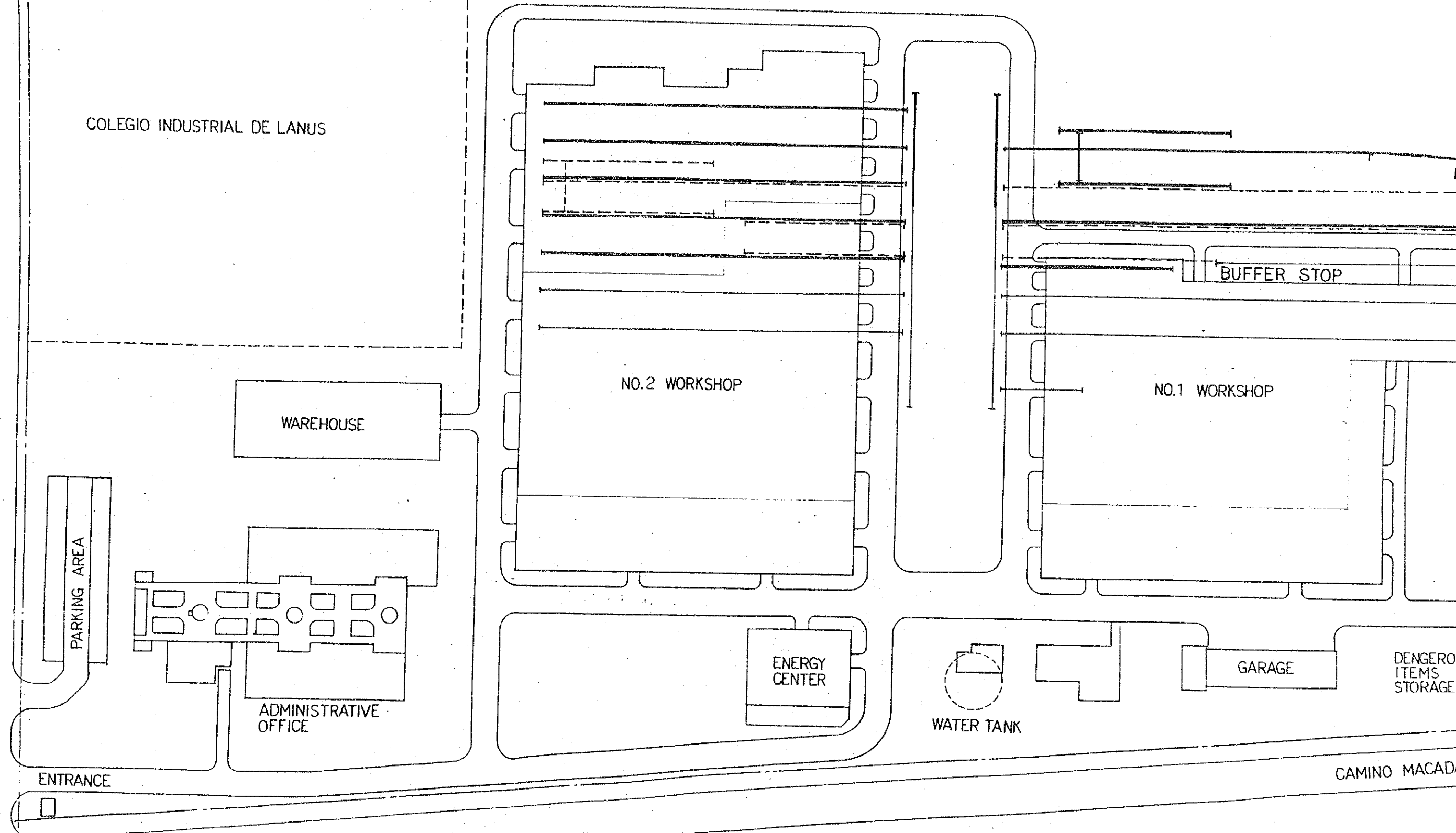
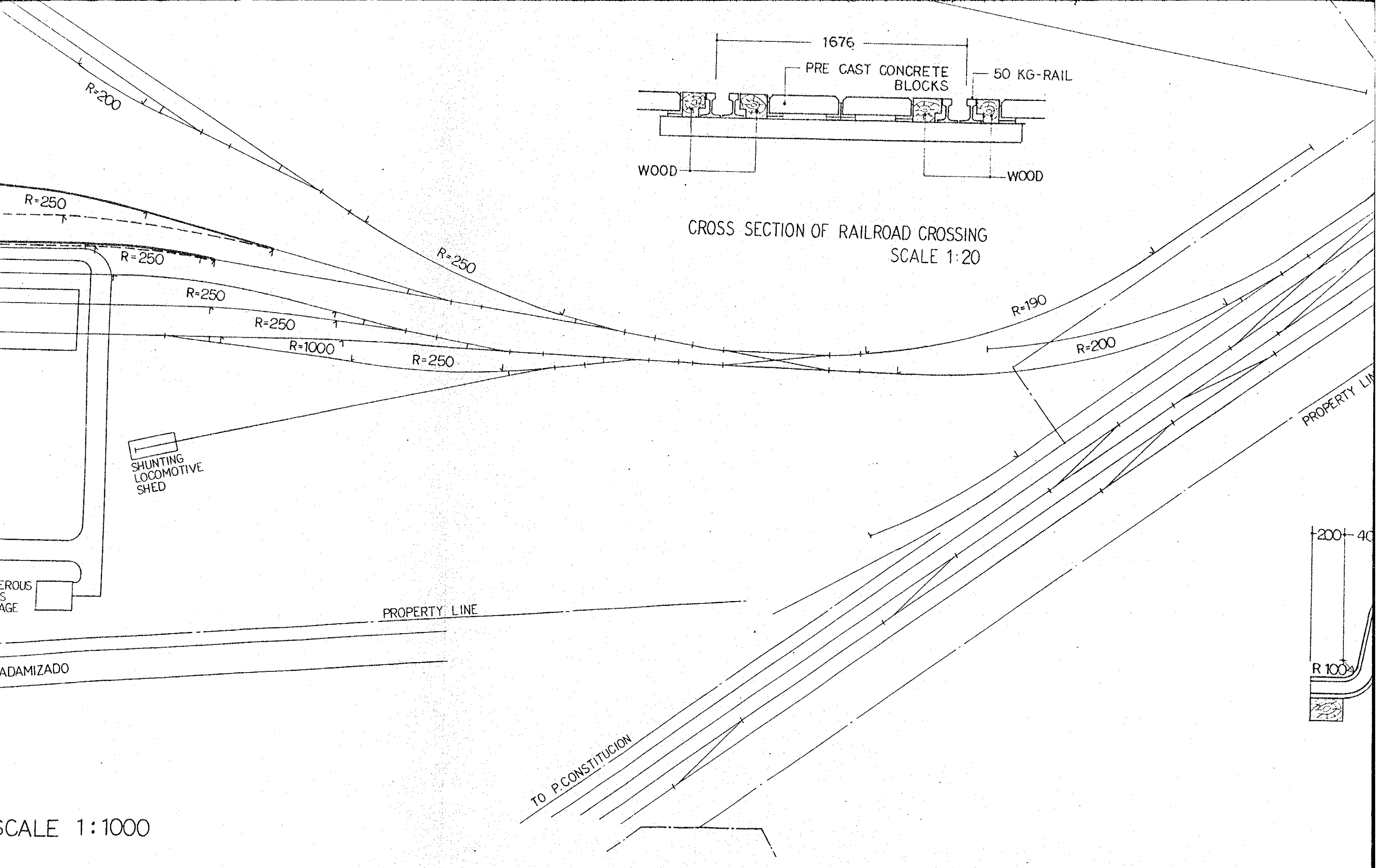
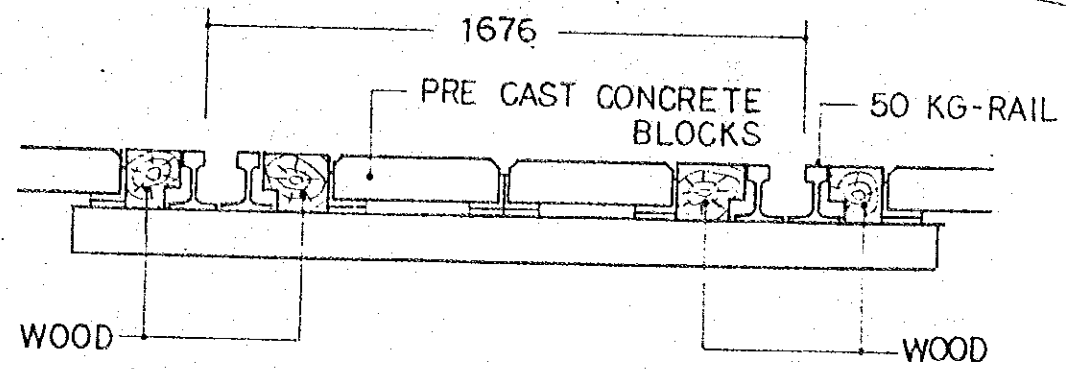


FIG.7 LAYOUT OF TRACK SC

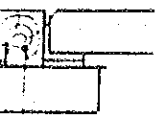


SCALE 1:1000



CROSS SECTION OF RAILROAD CROSSING
SCALE 1:20

50 KG-RAIL



WOOD

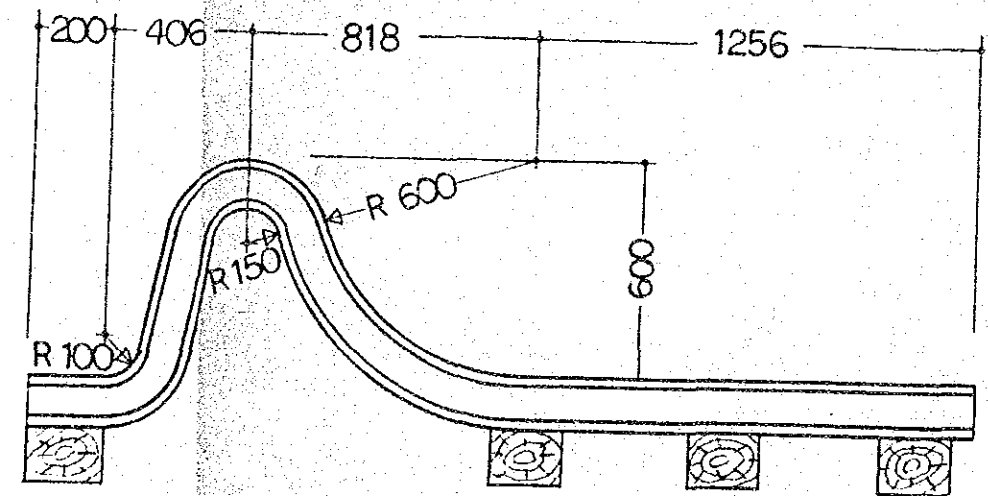
R=190

R=200

PROPERTY LINE

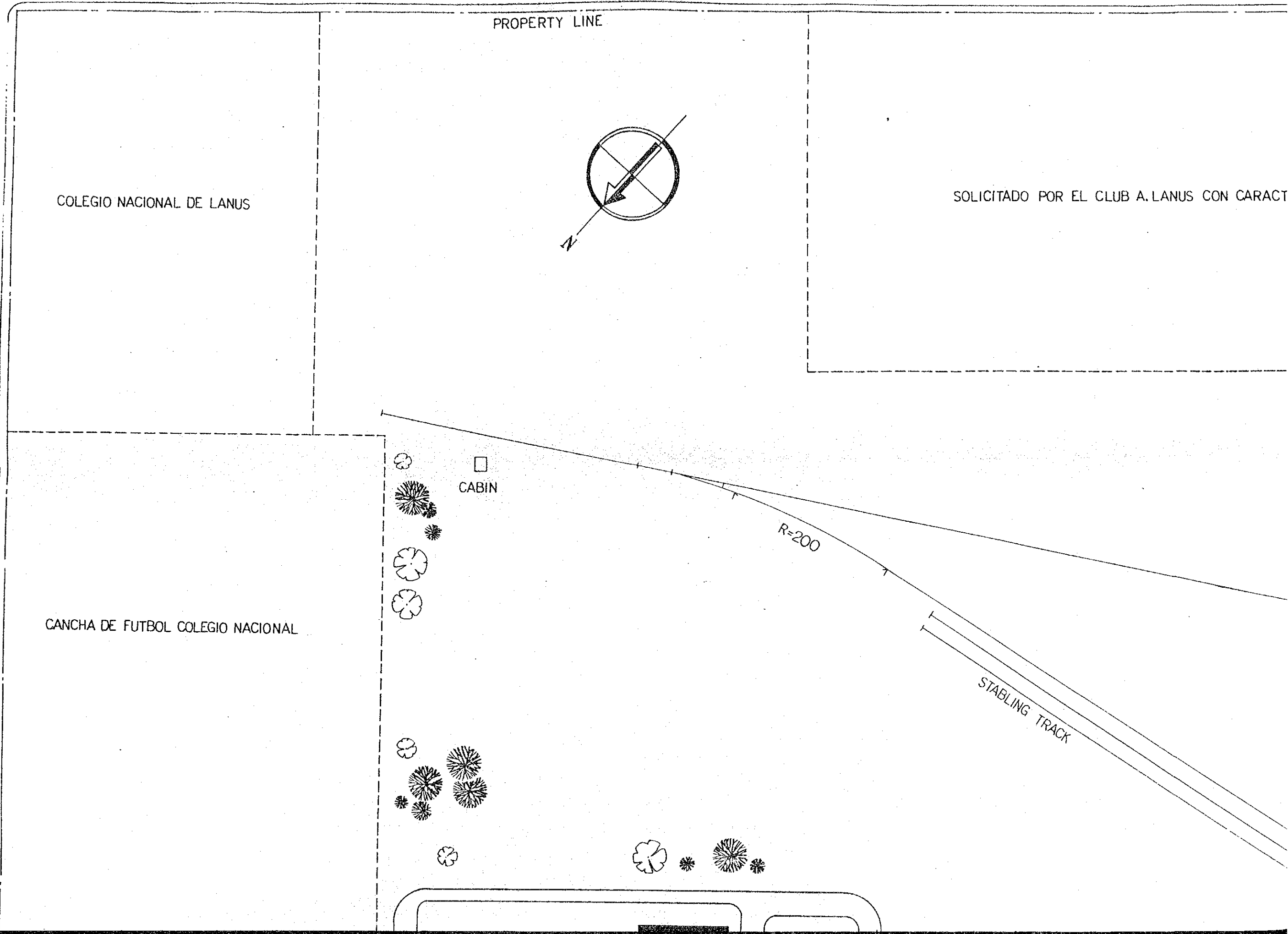
SYMBOLS

- EXTENSION TRACK
- - - TRACK REMOVAL
- ┆ BUFFER STOP



SECTION OF BUFFER STOP
SCALE 1:20

CALLE GRAL INOCENCIO ARIAS



PROPERTY LINE

COLEGIO NACIONAL DE LANUS

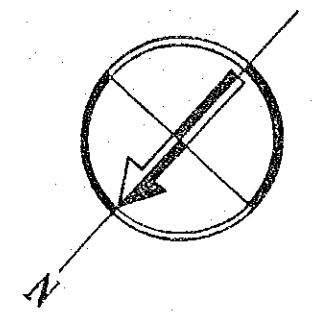
SOLICITADO POR EL CLUB A. LANUS CON CARACT

CANCHA DE FUTBOL COLEGIO NACIONAL

CABIN

R=200

STABLING TRACK



PROPERTY LINE

B A. LANUS CON CARACTER PRINCIPAL

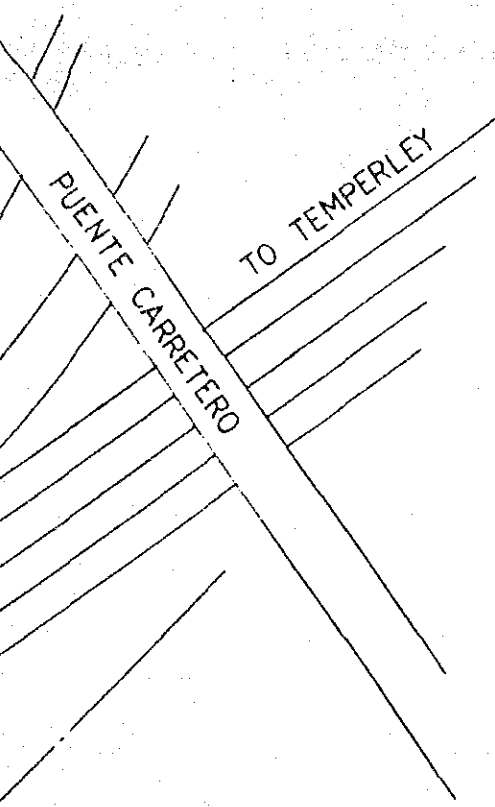
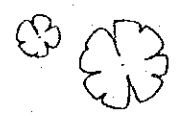
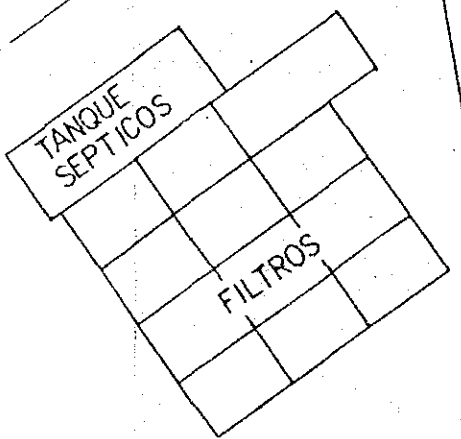
COLONIA

PROPERTY LINE

RUNNING TEST TRACK

COLONIA

PROPERTY LINE



CALLE GRAL IN

COLEGIO INDUSTRIAL DE LANUS

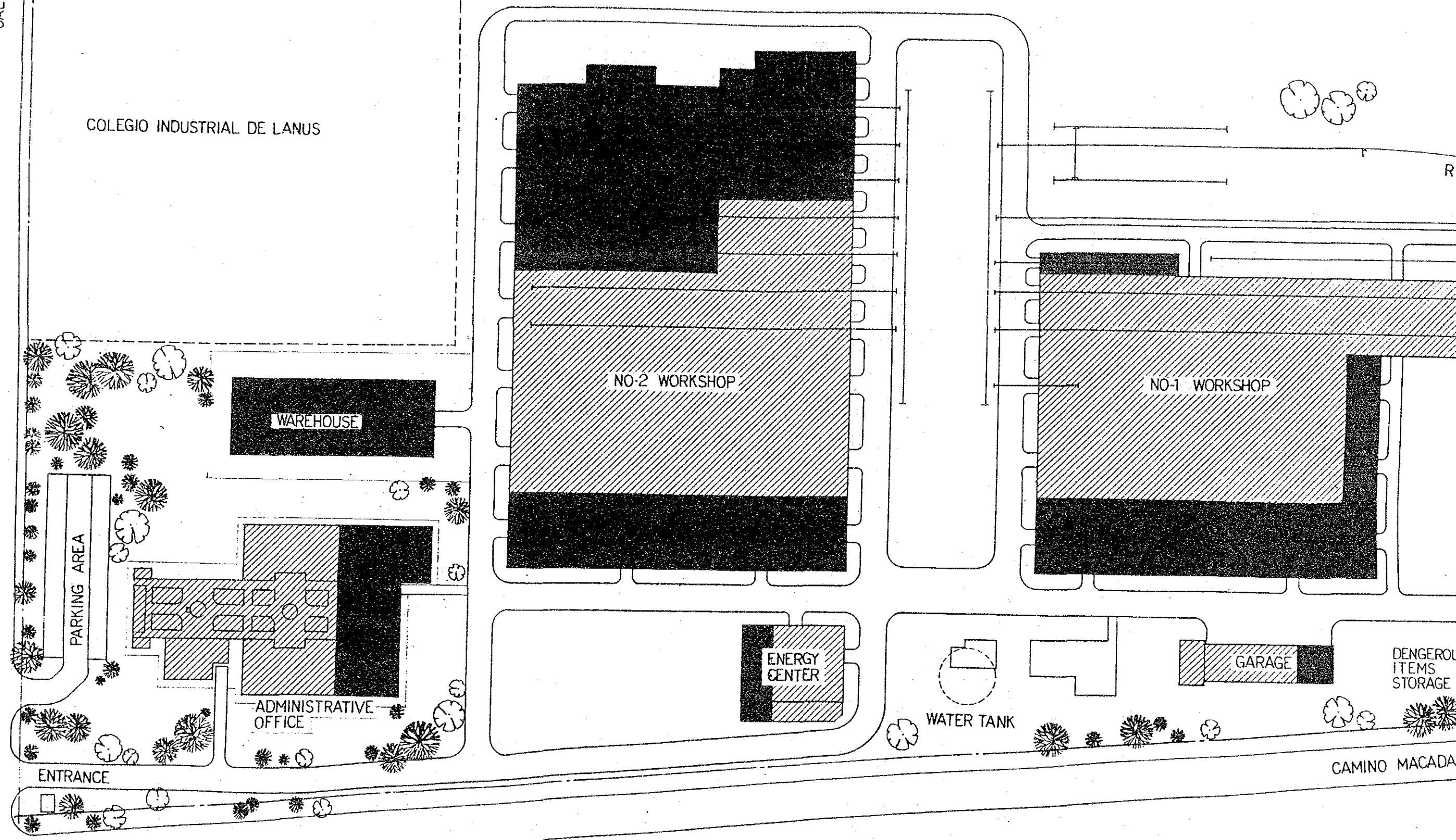
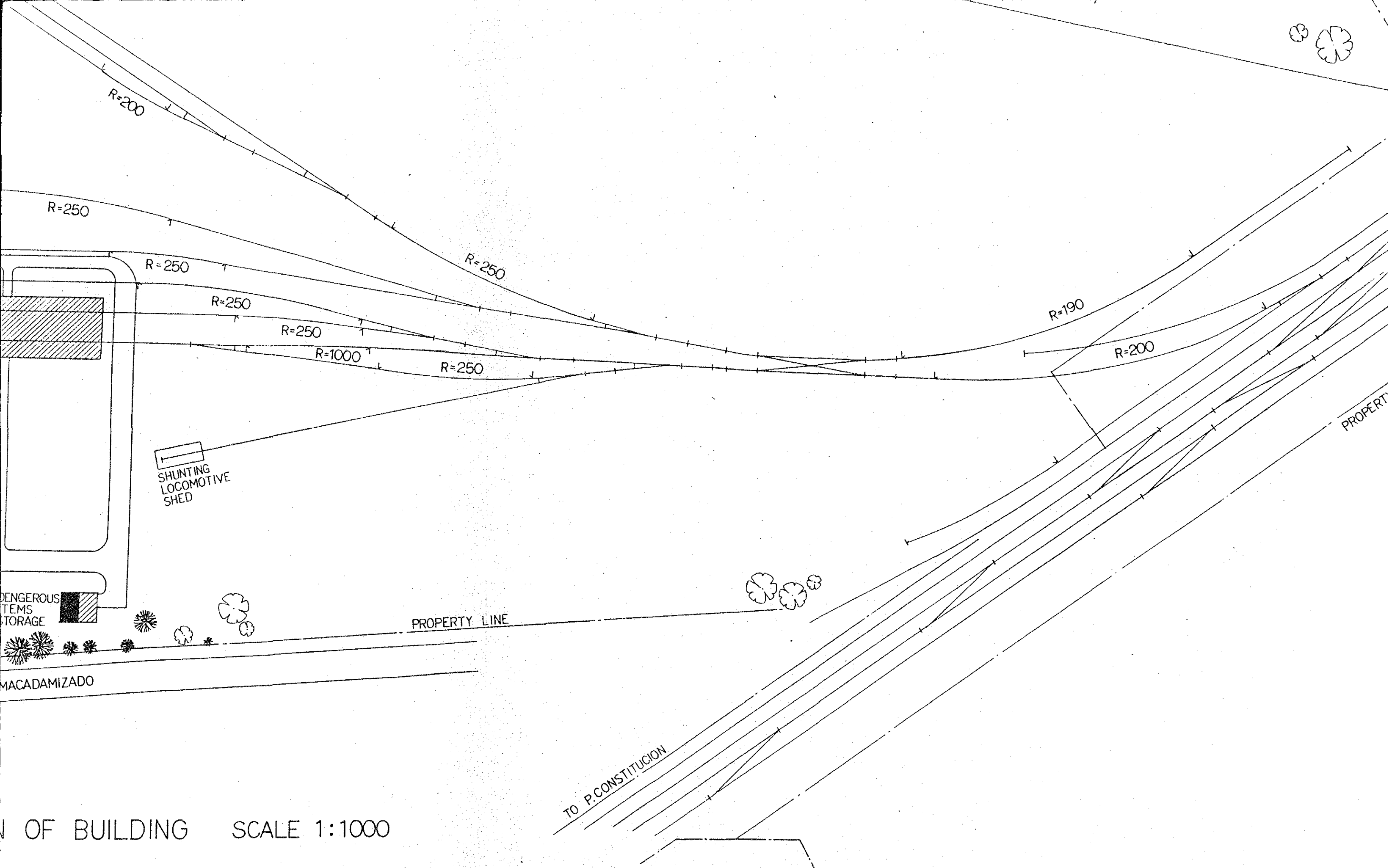
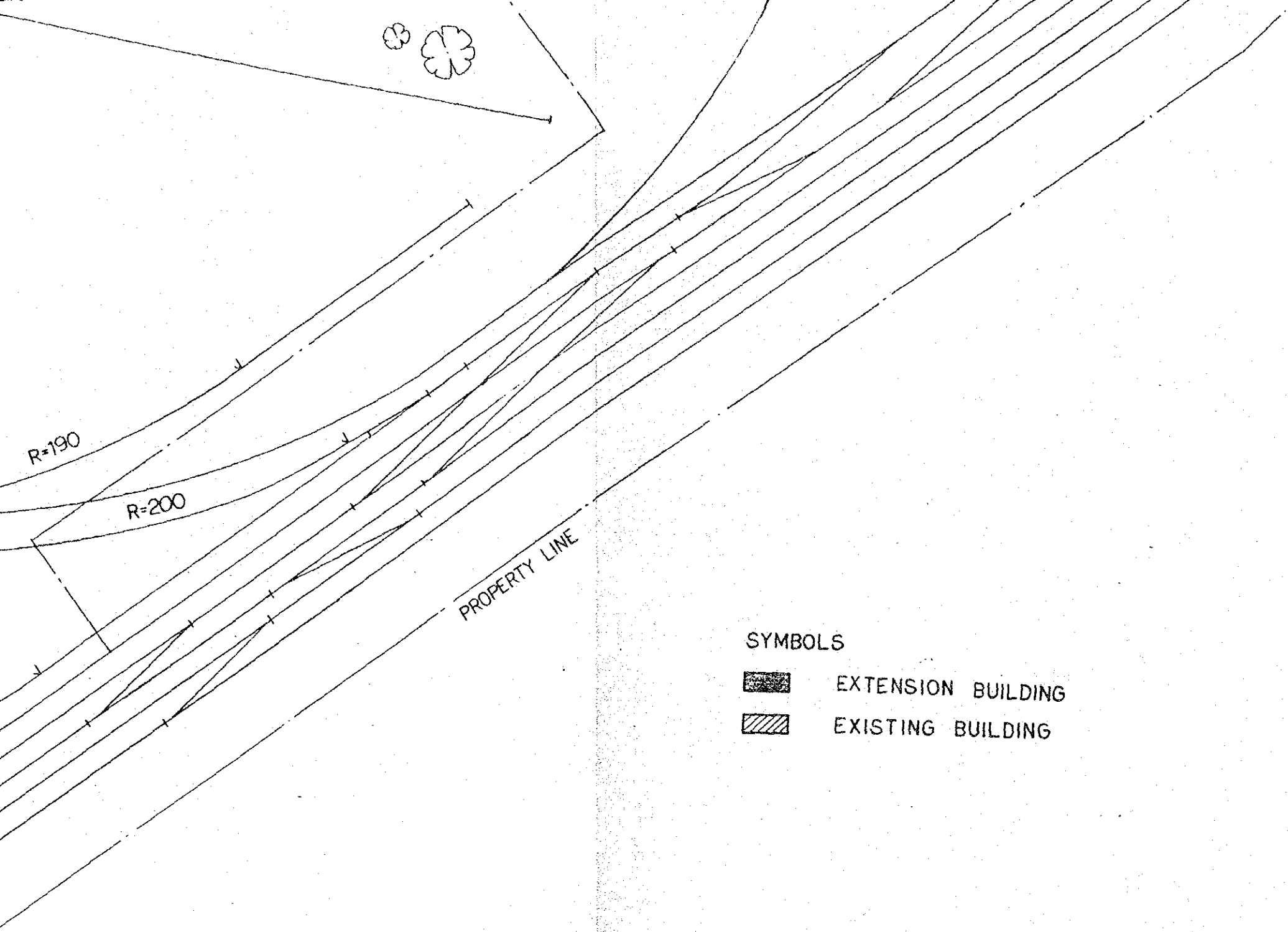




FIG.8 SITE PLAN OF



OF BUILDING SCALE 1:1000



SYMBOLS

-  EXTENSION BUILDING
-  EXISTING BUILDING