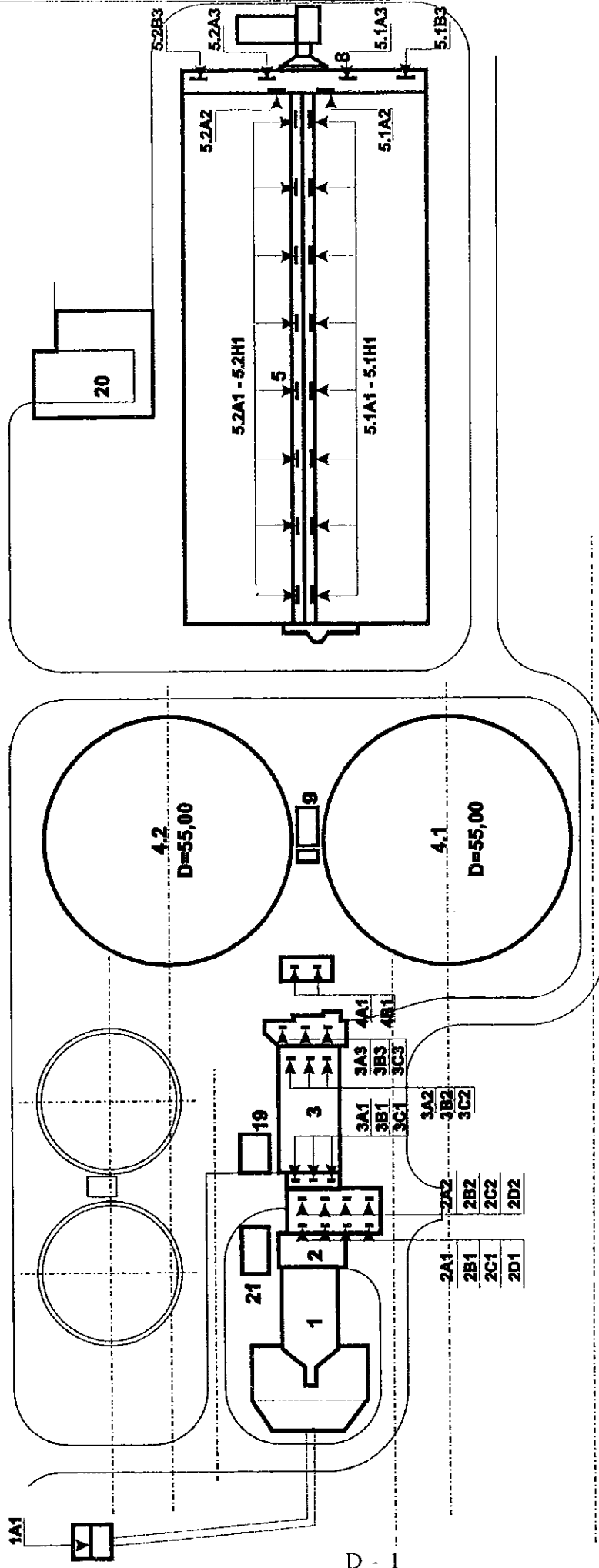


**APPENDIX**

**D**

**SLUICE GATE  
INSPECTION**





D - 1

1	07.99	DATE	IZMIJENE	CRTAO	ODOBRIO
THE WASTE WATER TREATMENT PLANT OF SARAJEVO CITY			SCHEME OF SLUICE GATES INSPECTED		
CLIENT : JICA STUDY TEAM			USB KEDLY		
			5114.00.100.103 REV.1		

# SLUICE GATE INSPECTION SHEET

## SLUICE GATE WITH MOTOR DRIVE

### N°1-A1

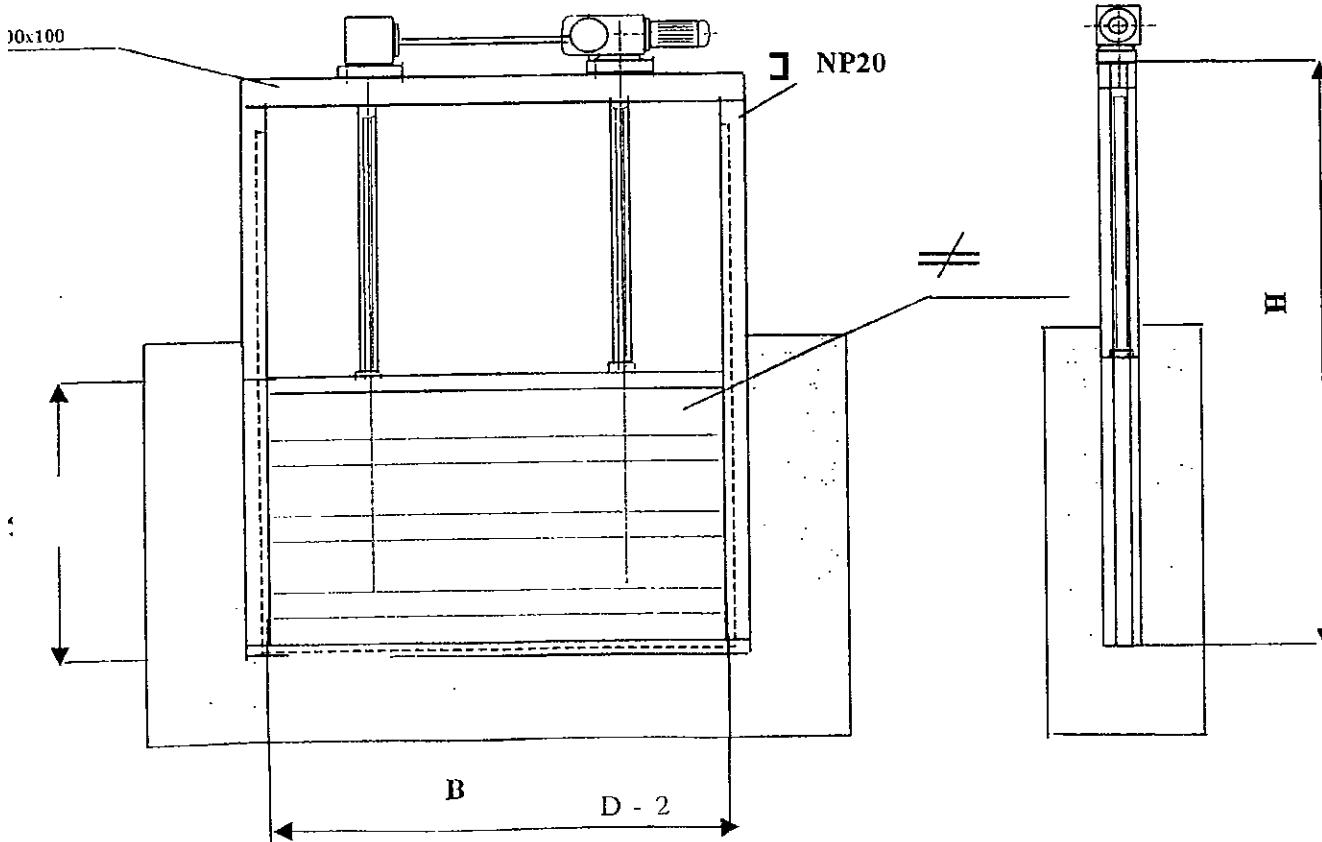
Location:	Main collector outlet	Date	
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Sluice gate type:	Sluice gate with motor drive	Manufacturer:	MIN Niš SR Yugoslavia
Service:	Raw Waste Water inlet fermture	Type:	2 shaft
Installation:	out door	Duty:	temporary
Main drive	motor	Reserve drive	manual
Dimension AxB (mm)	2000 x 2000	Total Height H mm	~7000
Material frame	carbon steel	Material plate	carbon steel
Gasket	rubber	Screw shaft	carbon steel

<b>ELECTRO MOTOR DRIVE</b>			
Electro motor drive type:	motor + gear box	Manufacturer:	unknown
		Manufacturer type:	unknown
Manufacturer number		Production Year	1980
Voltage	380V 50Hz	Power	KW
			N/min
			1465
Service:	gate drive	Installation	out door
		Duty:	temporary

#### 4. INSPECTION DATA

	GATE		ELECTRO MOTOR DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	VERY BAD	CONSTRUCTION IS BAD NEVER WORK PROPERLY RECOMMENDATION IS TO CHANGE WITH NEW SLUICE GATE WITH MOTOR DRIVE	NO MOTOR DRIVE DISASSEMBLED	NEW DRIVE
Frame Corrosion	YES VERY 90%			
Plate Corrosion	YES 100% surface			
Shafts	OUT OF FUNCTION			
Manuel drive	OUT OF FUNCTION			
Bearings	NO			
Gasket	NO			
Painting	VERY BAD			
Anchor bolts	VERY BAD			



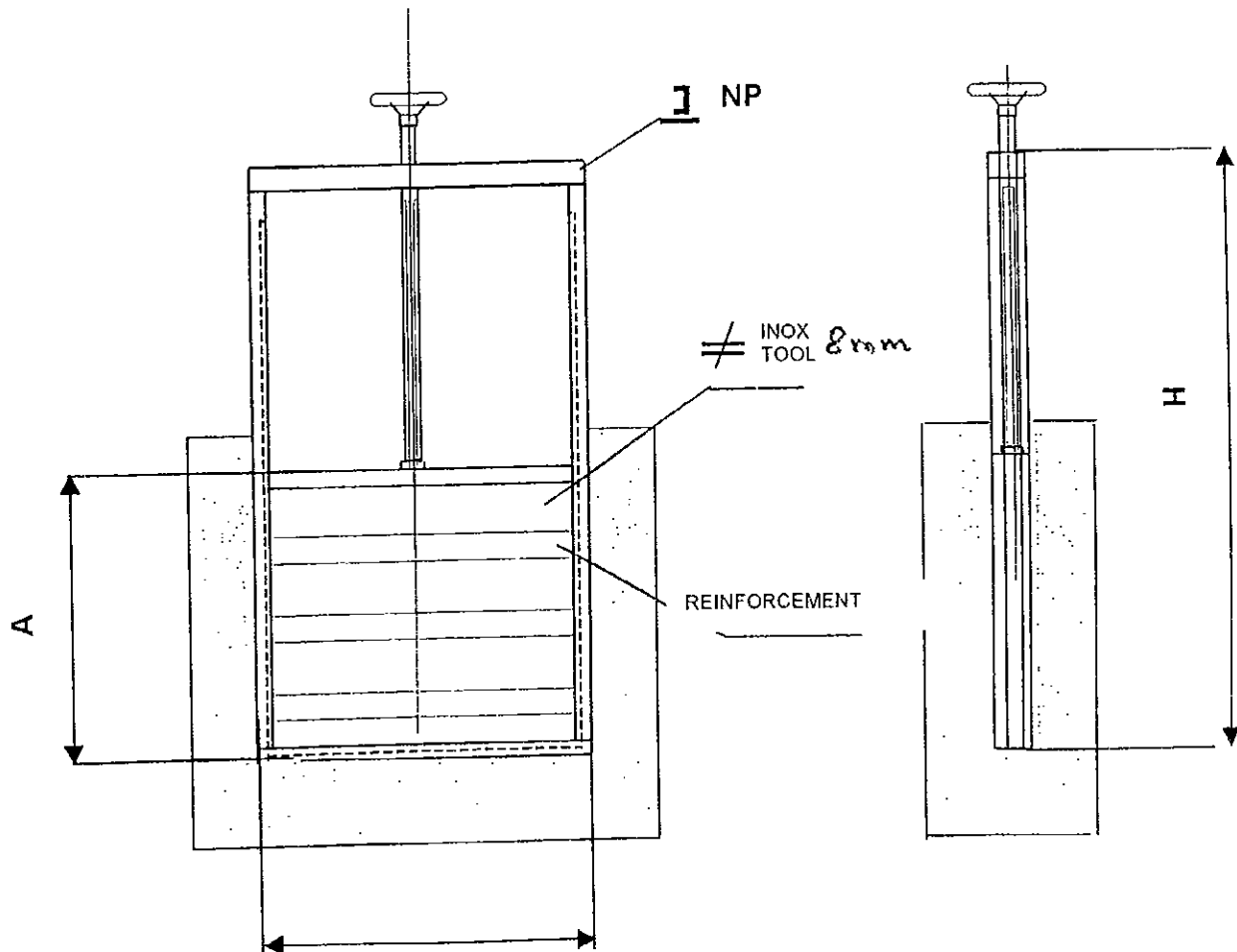
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°2-A1**

<b>Location:</b> Screen chamber inlet		<b>Date:</b> 04.07.1999	
<b>Sluice gate type:</b>	Sluice gate with manual drive	<b>Manufacturer:</b>	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
<b>Service:</b>	Waste Water inlet in screen chamber	<b>Type:</b>	1A
		<b>No:</b>	22154 1A
<b>Installation:</b>	out door	<b>Duty:</b>	temporary
<b>Main drive:</b>	Manual by screw	<b>Reserve drive:</b>	no
<b>Dimension AxB (mm):</b>	1600 x 1600	<b>Total Height H mm:</b>	~3700
<b>Material frame:</b>	carbon steel-zinc coated	<b>Material plate:</b>	INOX steel
<b>Gasket:</b>	rubber	<b>Screw shaft:</b>	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
FrameCorrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



**INSPECTION SHEET**

**SLUICE GATE WITH MOTOR DRIVE  
N°2-B1**

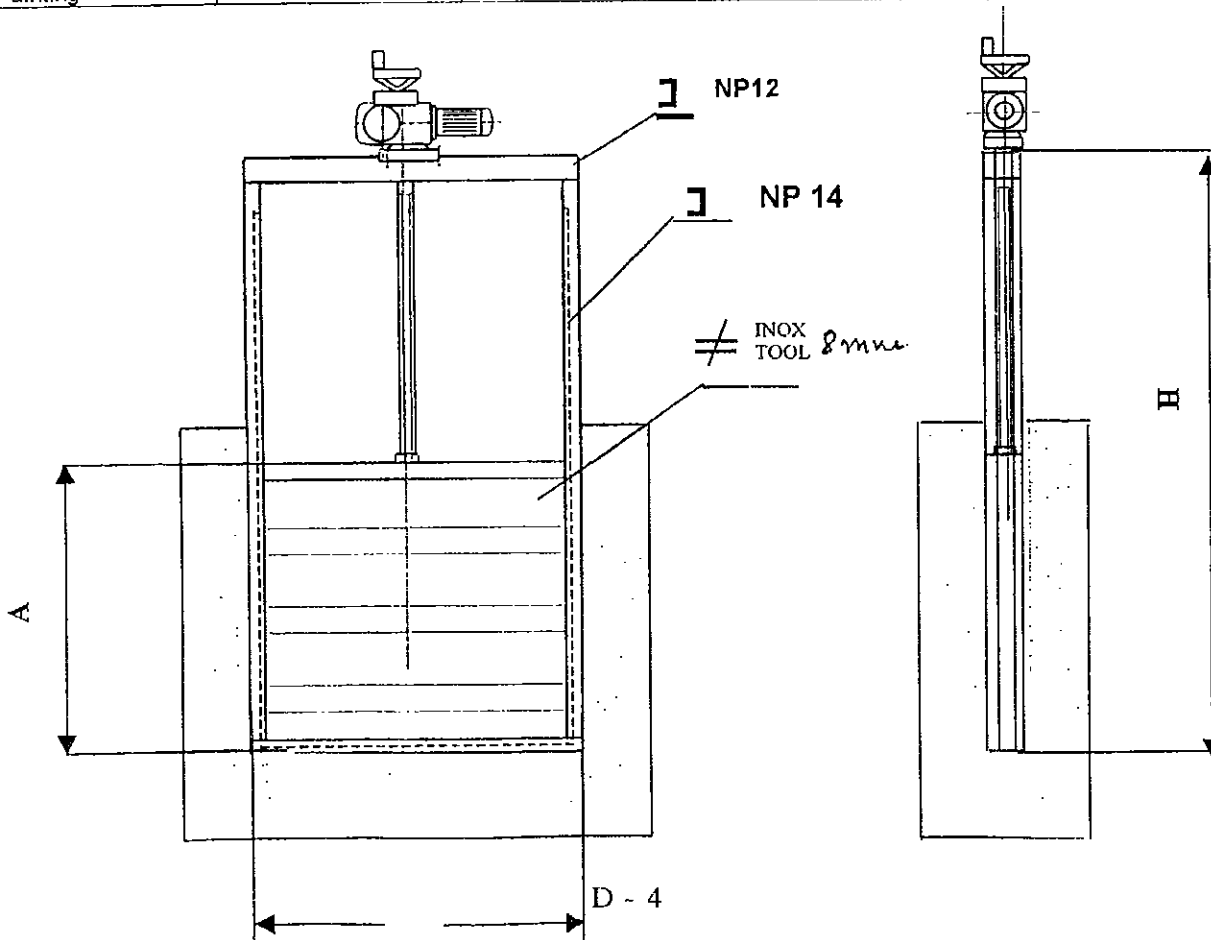
Location:	Screen chamber Inlet	Date:	
Sluice gate type:	Sluice gate with motor drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in screen chamber closure	Type:	1C (1 shaft)
Installation:	in door	No	22157 1C
Main drive	motor	Duty:	temporary
Dimension AxB (mm)	1850 x 1600	Reserve drive	manuel
Material frame	carbon steel-zinc coated	Total Height H mm	~3450
Gasket	guma	Material plate	INOX steel
		Screw shaft	INOX steel

**ELECTRO MOTOR DRIVE**

Electro motor drive type:	motor + gear box	Manufacturer:	AUMA
Manufacturer number		Manufacturer type:	SA 26 A
		Production Year	1980
Voltage	380V 50Hz	Power	KW
			N/min
Closing torque		Opening torque	
Service:	gate drive	Installation	out door
		Duty:	temporary

**4. INSPECTION DATA**

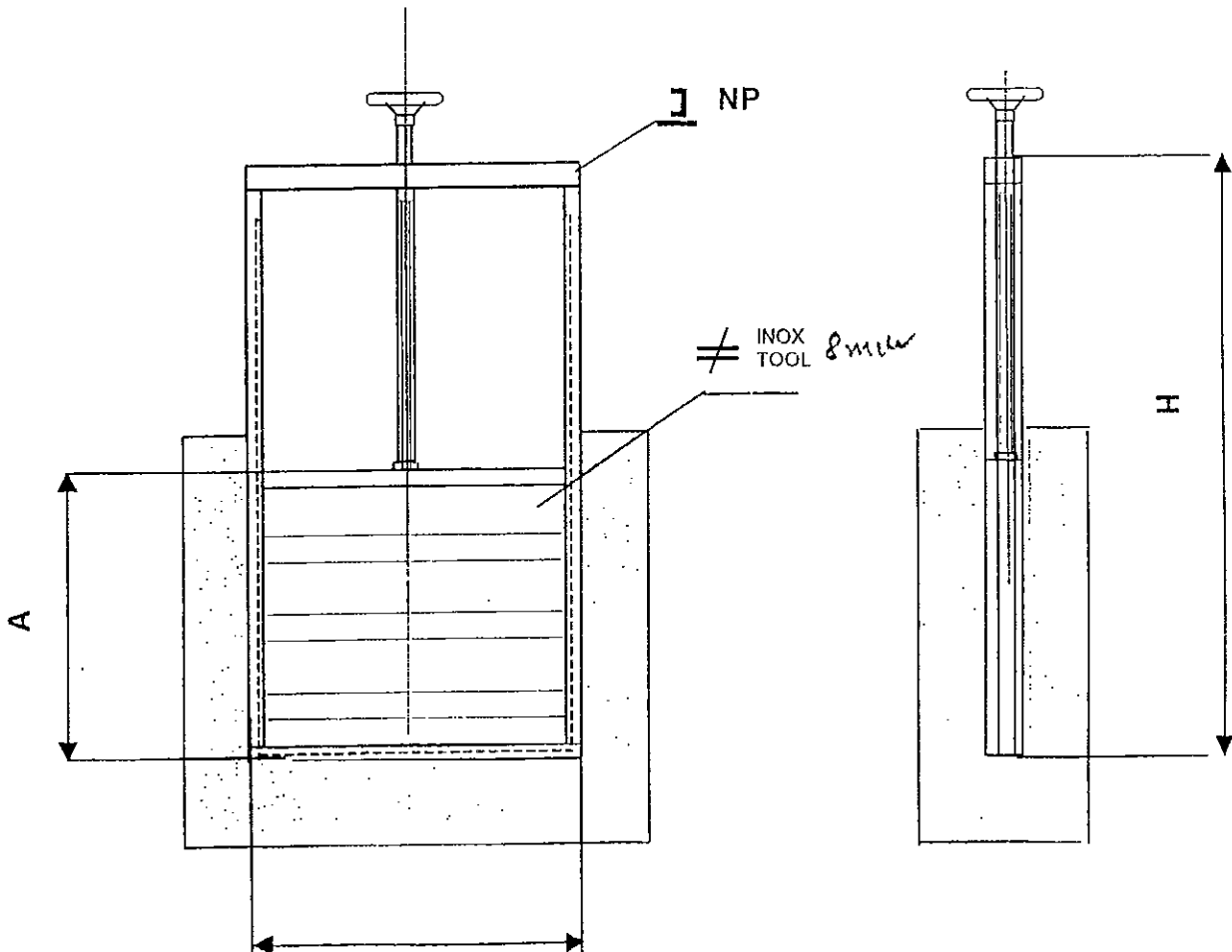
	GATE		ELECTRO MOTOR DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	NO MOTOR	NEW DRIVE
Frame Corrosion	NO			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	OUT OF FUNCTION			
Bearings	OK			
Gasket	NO			
Painting	NEW			



INSPECTION SHEET			
SLUICE GATE WITH MANUAL DRIVE			
N°2-C1			
Location:	Screen chamber inlet	Date	04.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in screen chamber	Type:	1A
		No	22155 1A
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	1850 x 1600	Total Height H mm	~3700
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
FrameCorrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



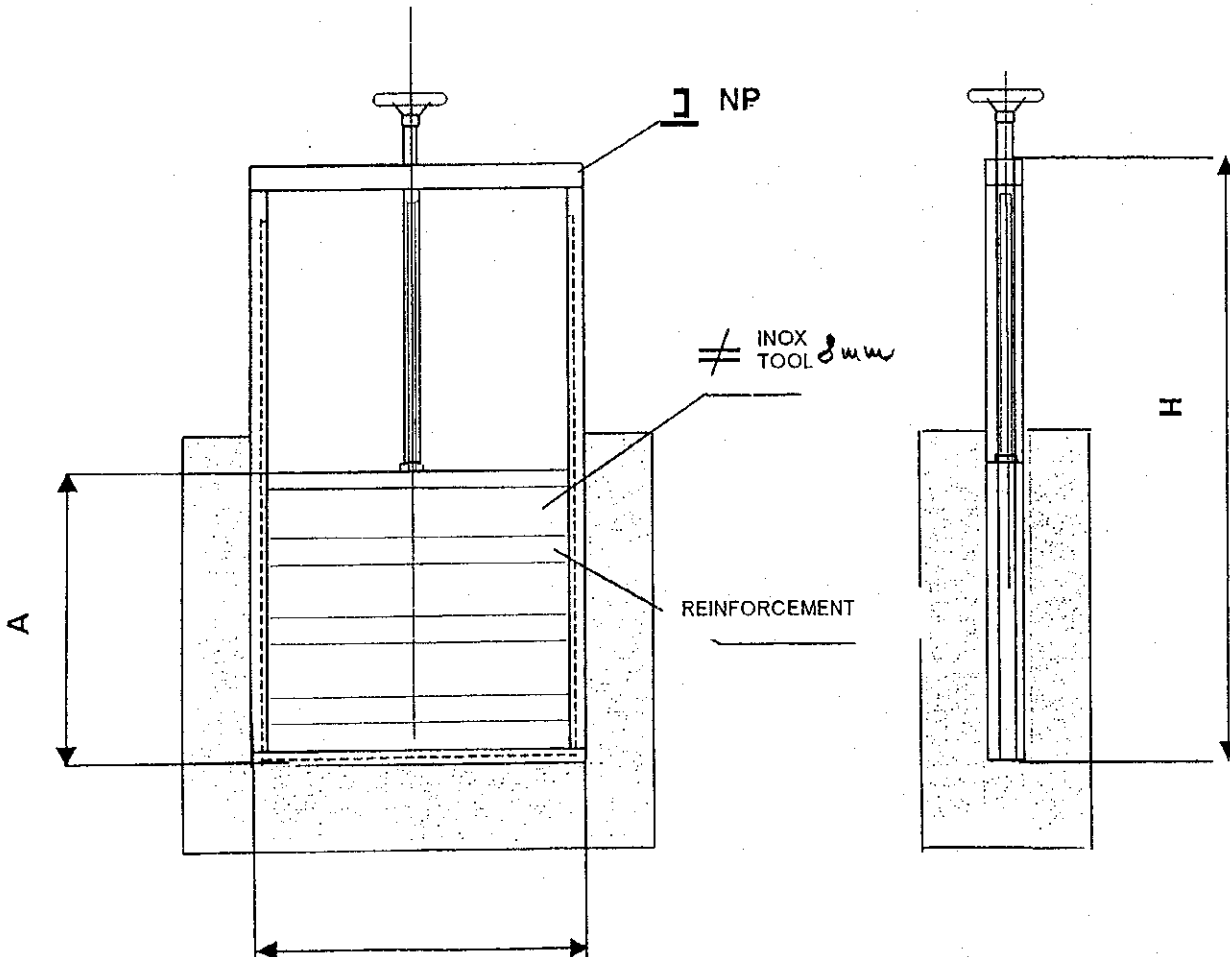
INSPECTION SHEET

SLUICE GATE WITH MANUAL DRIVE  
N°2-D1

Location:	Screen chamber inlet	Date	04.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in screen chamber	Type:	1A
		No	22156 1A
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	1600 x 1600	Total Height H mm	~3700
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

4. INSPECTION DATA

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			





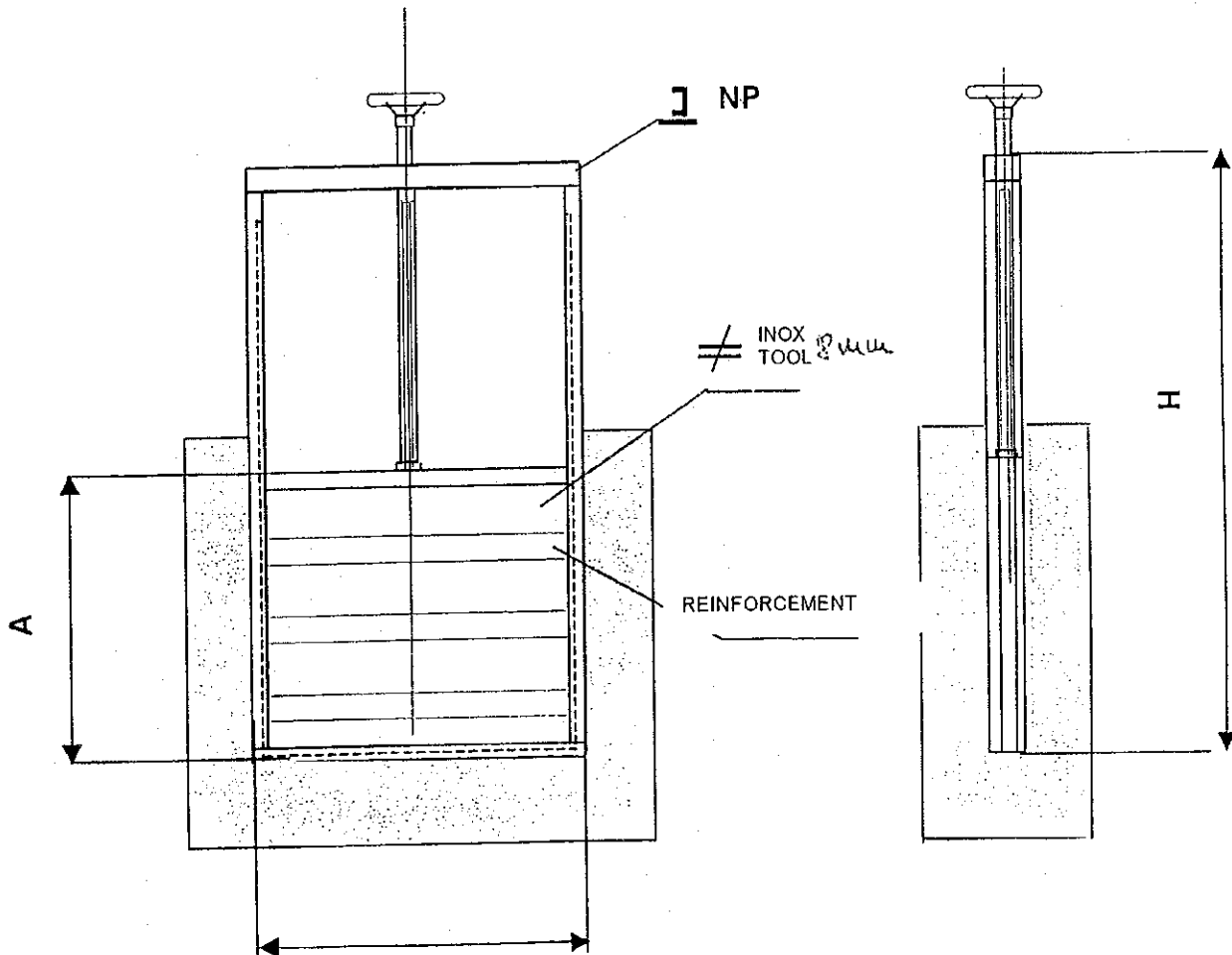
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°2-A2**

Location:	Screen chamber outlet	Date	04.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water outlet from screen chamber	Type:	1D
Installation:	out door	No	22150 1D
Main drive	Manual by screw	Duty:	temporary
Dimension AxB (mm)	1600 x 1600	Reserve drive	no
Material frame	carbon steel-zinc coated	Total Height H mm	~3700
Gasket	rubber	Material plate	INOX steel
		Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



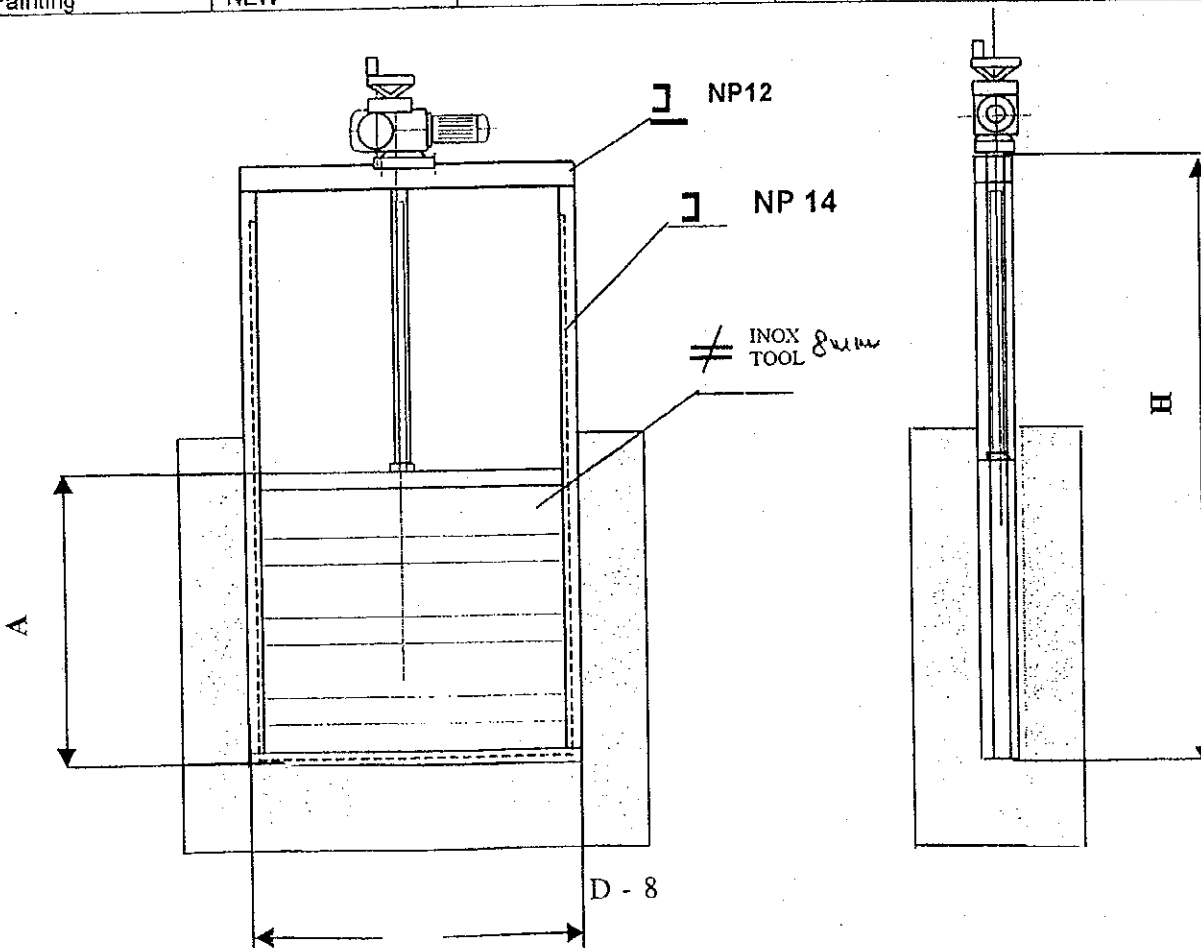
**INSPECTION SHEET**

**SLUICE GATE WITH MOTOR DRIVE  
N°2-B2**

Location:	Screen chamber outlet	Date:	
Sluice gate type:	Sluice gate with motor drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water outlet from screen chamber	Type:	1F (1 shaft)
Installation:	in door	No	22161 1F
Main drive	motor	Duty:	temporary
Dimension AxB (mm)	1850 x 1600	Reserve drive	manuel
Material frame	carbon steel-zinc coated	Total Height H mm	~3450
Gasket	guma	Material plate	INOX steel
		Screw shaft	INOX steel
<b>ELECTRO MOTOR DRIVE</b>			
Electro motor drive type:	motor + gear box	Manufacturer:	AUMA
		Manufacturer type:	SA 26 A
Manufacturer number		Production Year	1980
Voltage	380V 50Hz	Power	KW
			N/min
Closing torque		Opening torque	
Service:	gate drive	Installation	out door
		Duty:	temporary

**4. INSPECTION DATA**

	GATE		ELECTRO MOTOR DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	NO MOTOR	NEW DRIVE
Frame Corrosion	NO			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	OUT OF FUNCTION			
Bearings	OK			
Gasket	NO			
Painting	NEW			



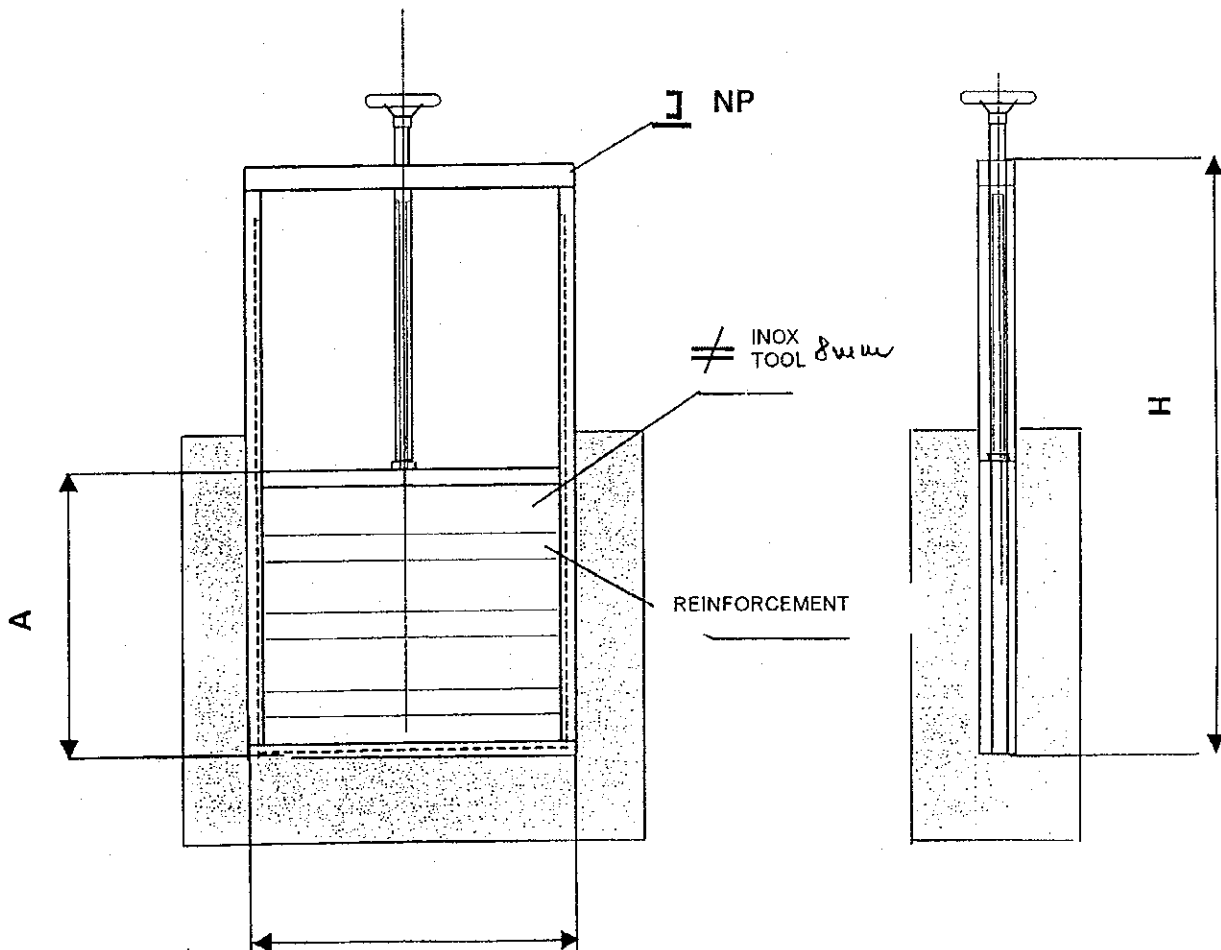
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°2-C2**

Location:	Screen chamber outlet	Date	04.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water outlet from screen chamber	Type:	1D
Installation:	out door	No	22159 1D
Main drive	Manual by screw	Duty:	temporary
Dimension AxB (mm)	1600 x 1600	Reserve drive	no
Material frame	carbon steel-zinc coated	Total Height H mm	~3700
Gasket	rubber	Material plate	INOX steel
		Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



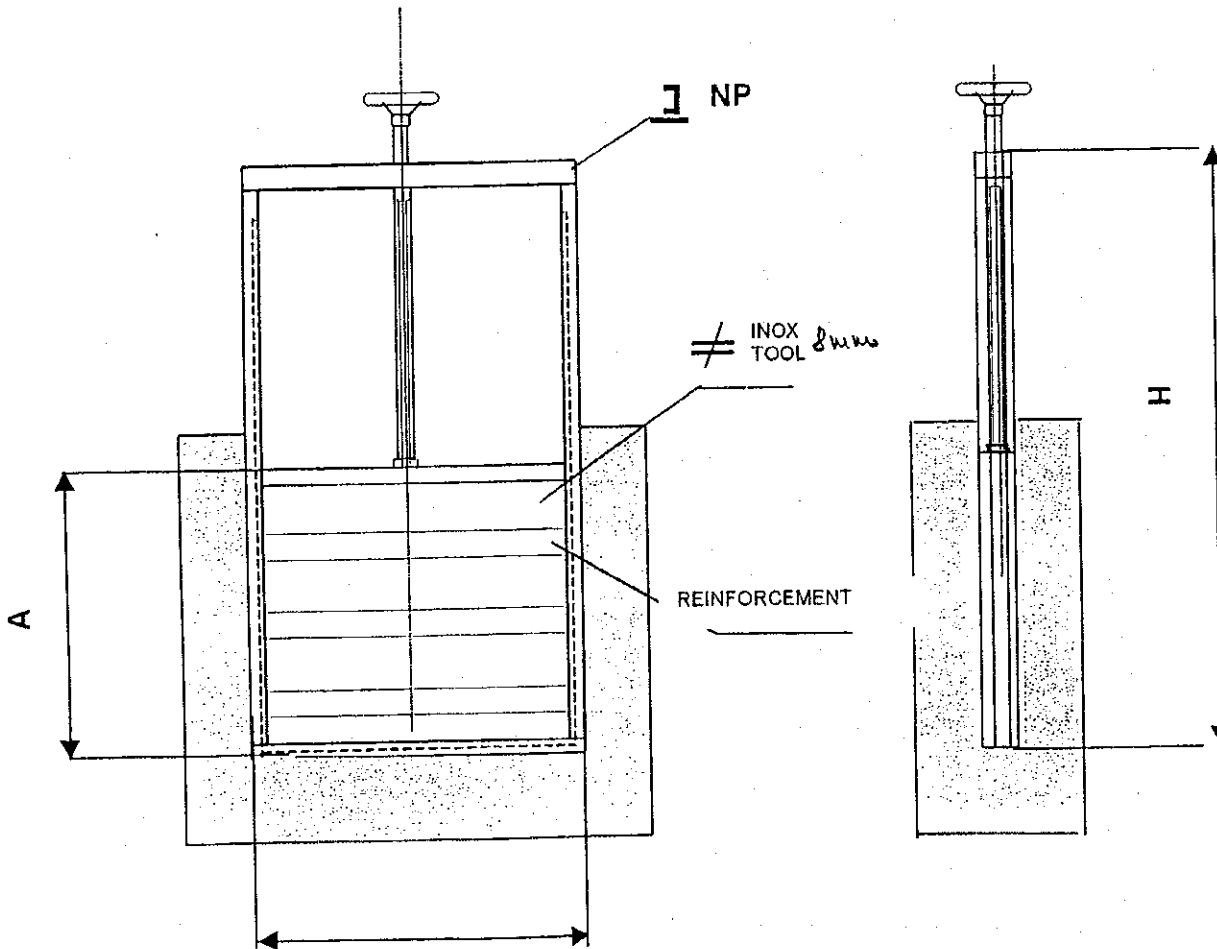
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°2-D2**

Location:	Screen chamber outlet	Date	04.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water outlet from screen chamber	Type:	1D
Installation:	out door	No	22158 1D
Main drive	Manual by screw	Duty:	temporary
Dimension AxB (mm)	1600 x 1600	Reserve drive	no
Material frame	carbon steel-zinc coated	Total Height H mm	~3700
Gasket	rubber	Material plate	INOX steel
		Screw shaft	INOX steel

**4. INSPECTION DATA**

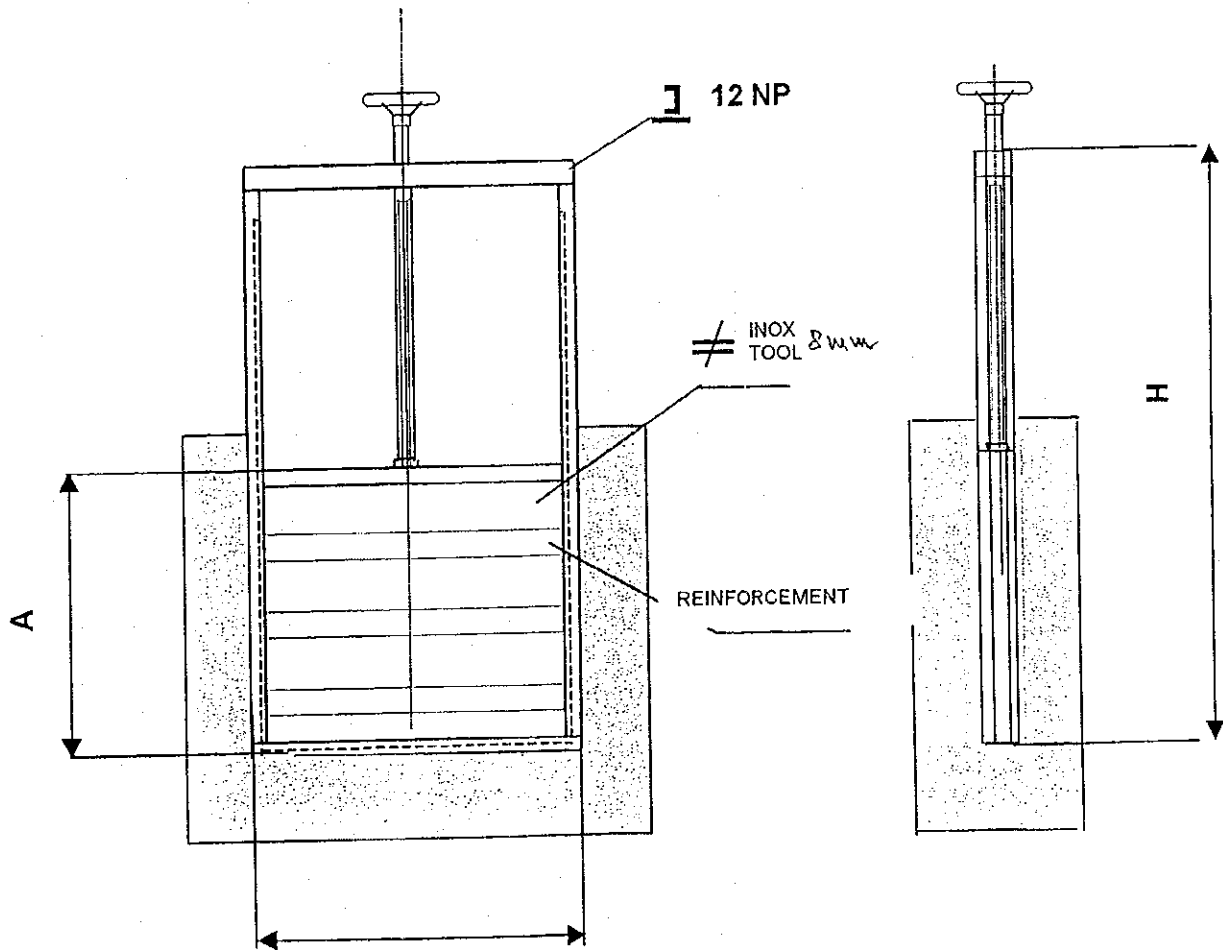
	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



INSPECTION SHEET			
SLUICE GATE WITH MANUAL DRIVE			
N°3-A1			
Location:	Grit chamber inlet	Date	05.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in grit chamber	Type:	2A
Installation:	out door	No	22162 2A
Main drive	Manual by screw	Duty:	temporary
Dimension AxB (mm)	900 x 1600	Reserve drive	no
Material frame	carbon steel-zinc coated	Total Height H mm	~3300
Gasket	rubber	Material plate	INOX steel
		Screw shaft	INOX steel

**4. INSPECTION DATA**

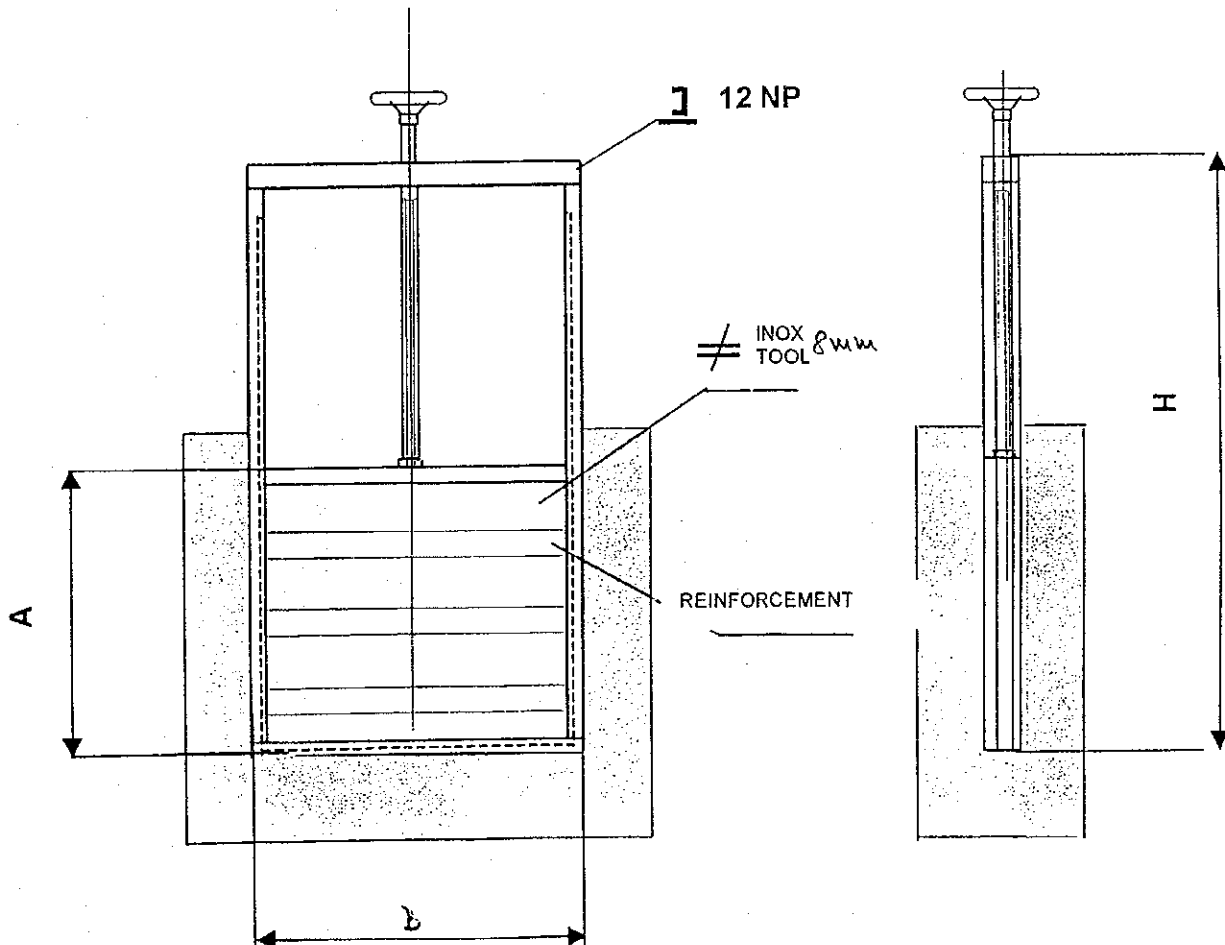
	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
FrameCorrosion	YES 60%			
Plate Corrosion	NO			
Shafts	OK			
Manual drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



INSPECTION SHEET		SLUICE GATE WITH MANUAL DRIVE	
		N°3-C1	
Location:	Grit chamber inlet	Date	05.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in grit chamber	Type:	2A
		No	22164 2A
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	900 x 1600	Total Height H mm	~3300
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 50%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



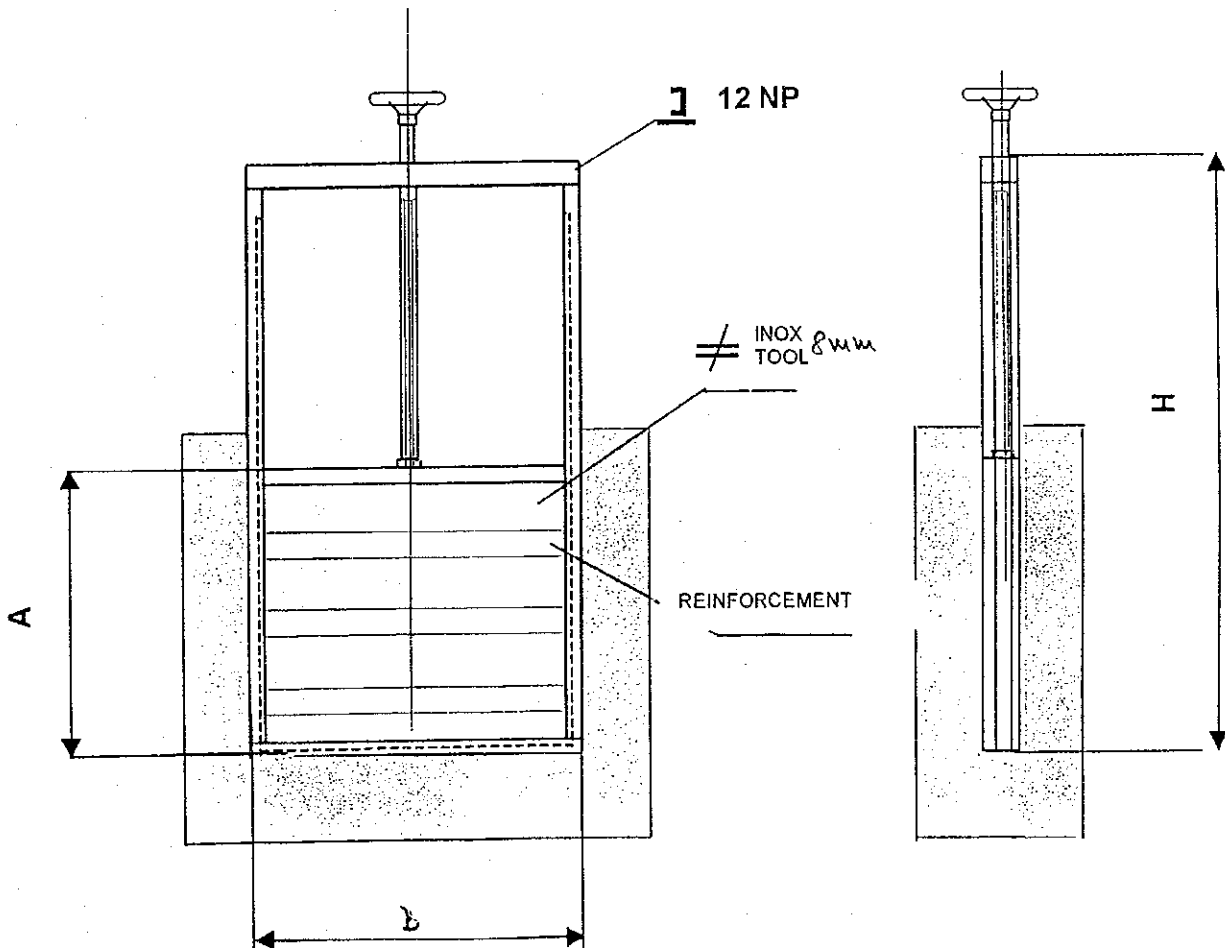
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°3-C1**

Location:	Grit chamber inlet	Date	05.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in grit chamber	Type:	2A
		No	22164 2A
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	900 x 1600	Total Height H mm	~3300
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for repair	Present situation	Recommendation for repair
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 50%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			

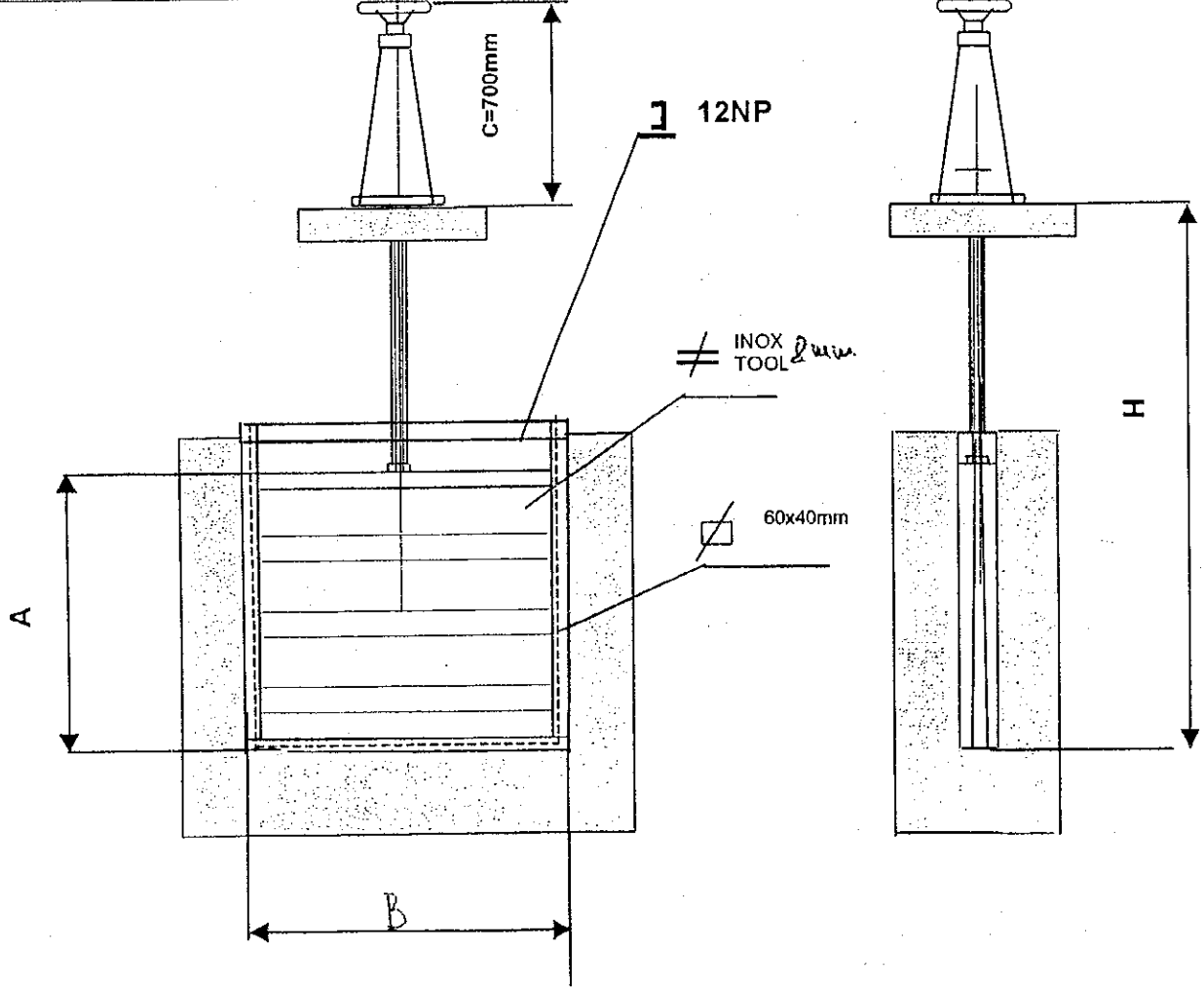


**INSPECTION SHEET**  
**SLUICE GATE WITH MANUAL DRIVE**  
**N°3-A2**

Location:	Grit chamber outlet (floating mat. channel)	Date	04.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water outlet from grit chamber	Type:	5A (1 shaft)
		No	22168 5A
Installation:	out door	Duty:	temporary
Main drive	Manual by gear box	Reserve drive	no
Dimension AxB (mm)	700 x 600	Total Height H mm	~1900
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	NO			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	OUT OF FUNCTION			
Bearings	OK			
Gasket	NO			
Peinture	NEW			



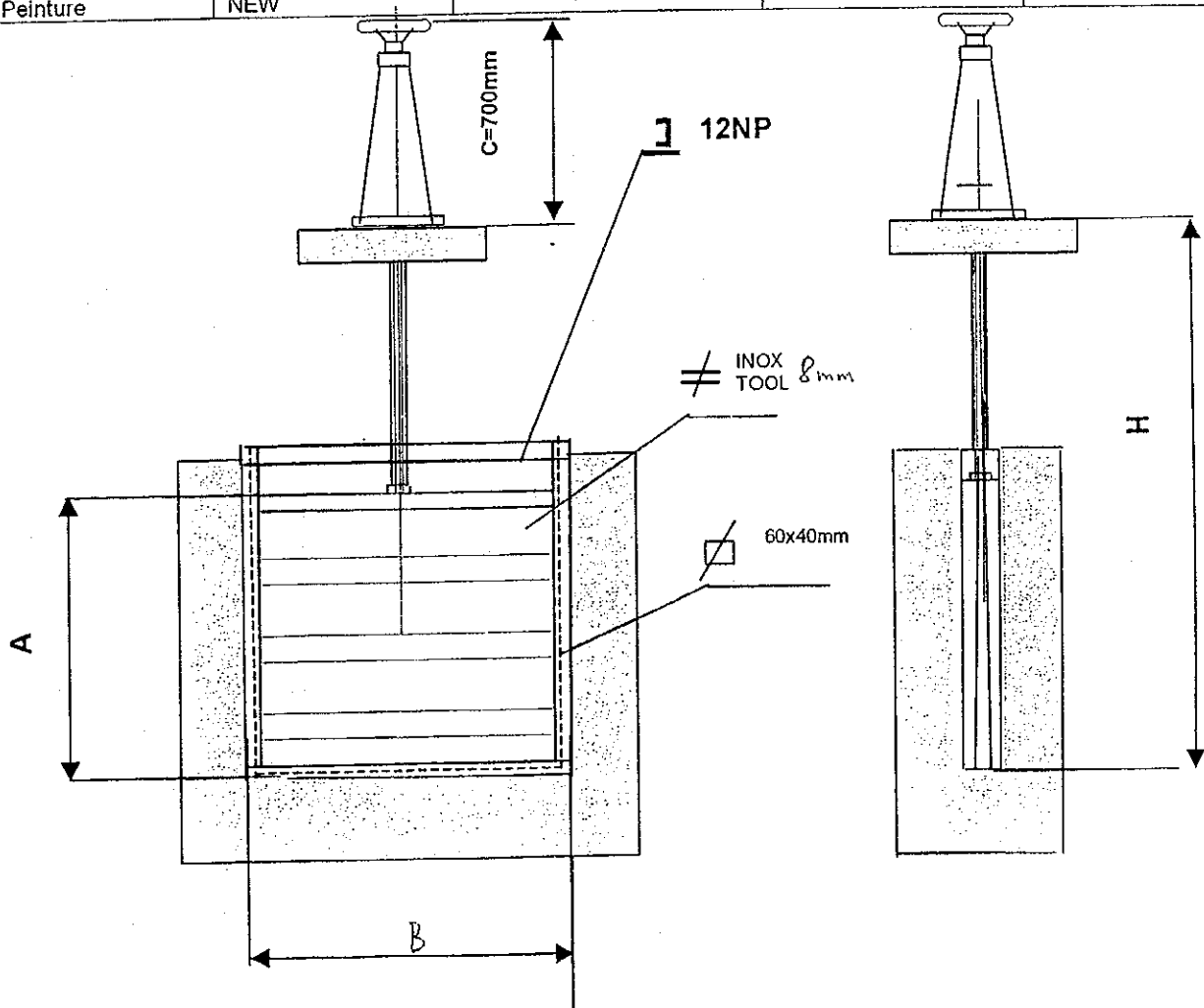


**INSPECTION SHEET**  
**SLUICE GATE WITH MANUAL DRIVE**  
**N°3-B2**

Location:	Grit chamber outlet (floating mat. channel)	Date	04.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water outlet from grit chamber	Type:	5A (1 shaft)
Installation:	out door	No	22169 5A
Main drive	Manual by gear box	Duty:	temporary
Dimension AxB (mm)	700 x 600	Reserve drive	no
Material frame	carbon steel-zinc coated	Total Height H mm	~1900
Gasket	rubber	Material plate	INOX steel
		Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	NO			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	OUT OF FUNCTION			
Bearings	OK			
Gasket	NO			
Peinture	NEW			



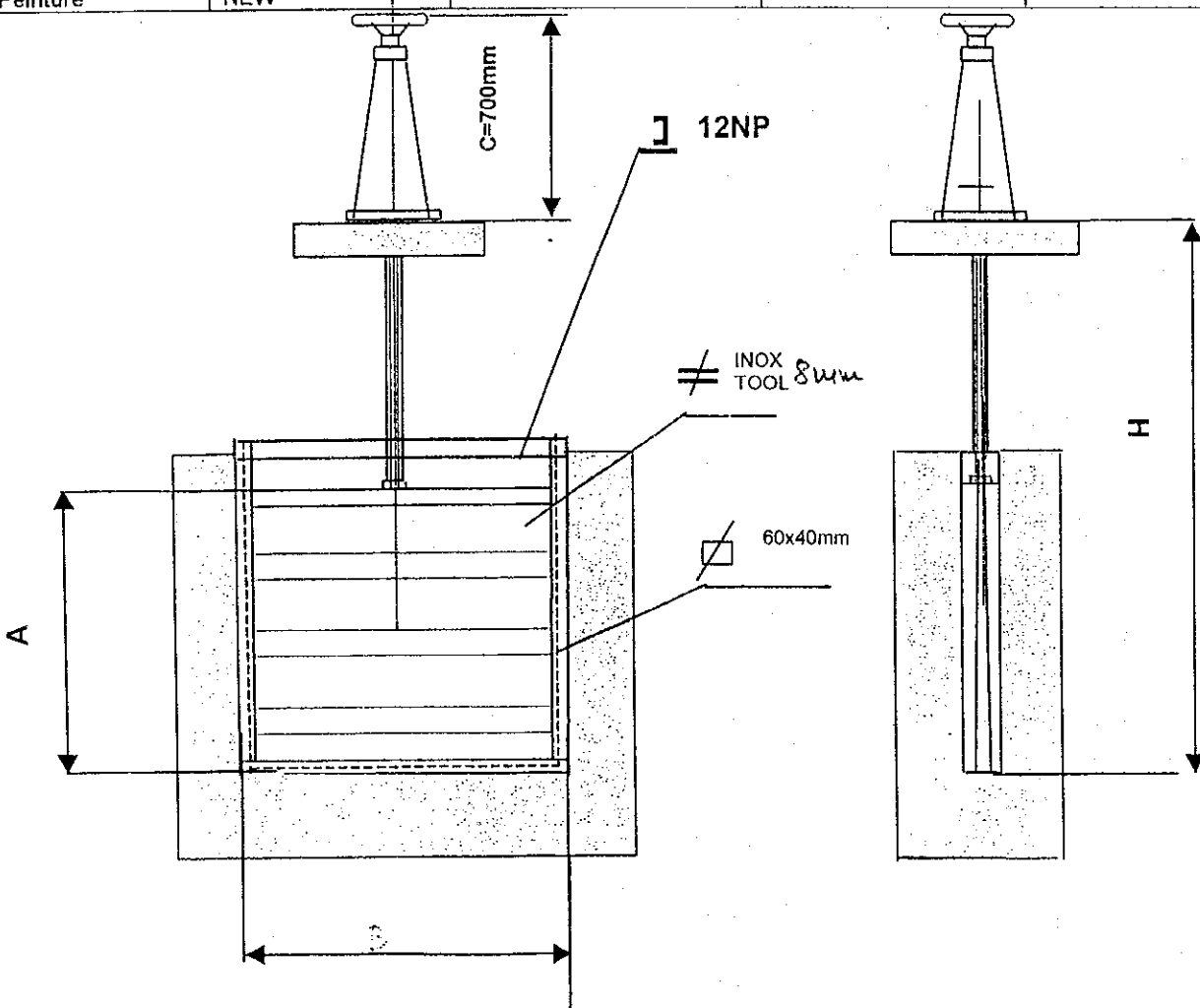
INSPECTION SHEET

SLUICE GATE WITH MANUAL DRIVE  
N°3-C2

Location:	Grit chamber outlet (floating mat. channel)	Date	04.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water outlet from grit chamber	Type:	5A (1 shaft)
Installation:	out door	No	22170 5A
Main drive	Manual by gear box	Duty:	temporary
Dimension AxB (mm)	700 x 600	Reserve drive	no
Material frame	carbon steel-zinc coated	Total Height H mm	~1900
Gasket	rubber	Material plate	INOX steel
		Screw shaft	INOX steel

4. INSPECTION DATA

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	NO			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	OUT OF FUNCTION			
Bearings	OK			
Gasket	NO			
Peinture	NEW			



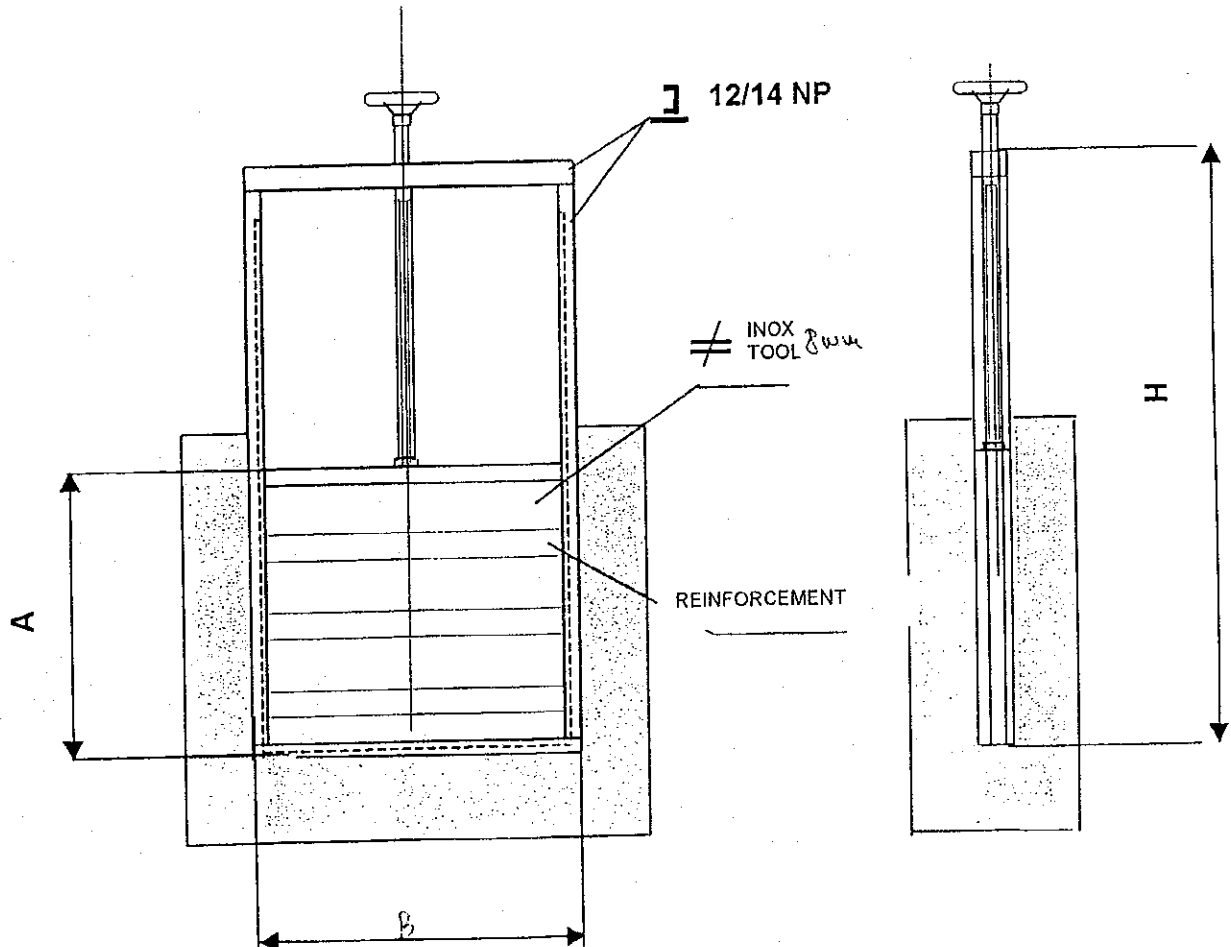
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°3-A3**

Location:	Grit chamber outlet	Date	07.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water outlet from grit chamber	Type:	4A
		No	22165 4A
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	1500 x 1500	Total Height H mm	~3300
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
FrameCorrosion	YES 80%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



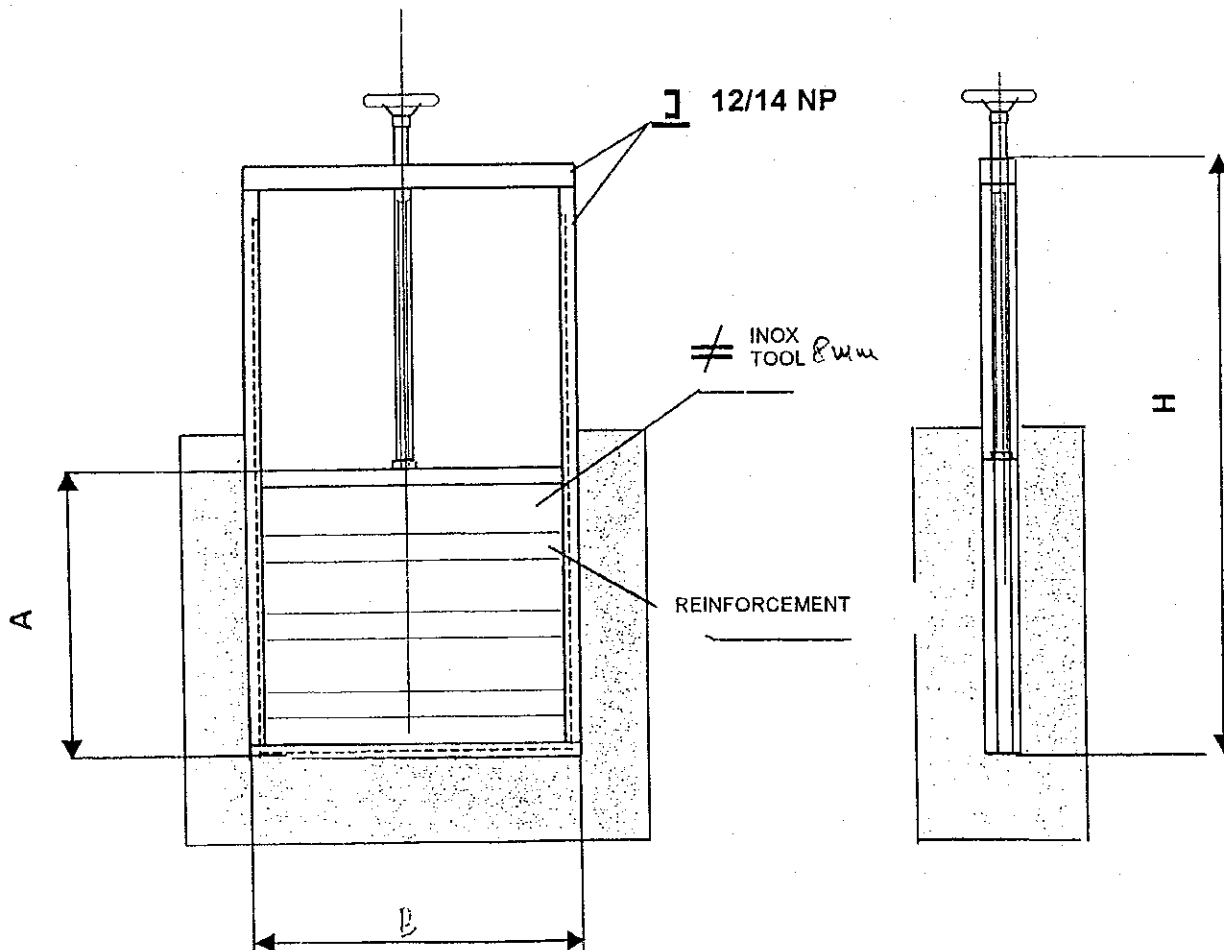
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°3-B3**

Location:	Grit chamber outlet	Date	07.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water outlet from grit chamber	Type:	4A
		No	22166 4A
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	1500 x 1500	Total Height H mm	~3300
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 80%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			





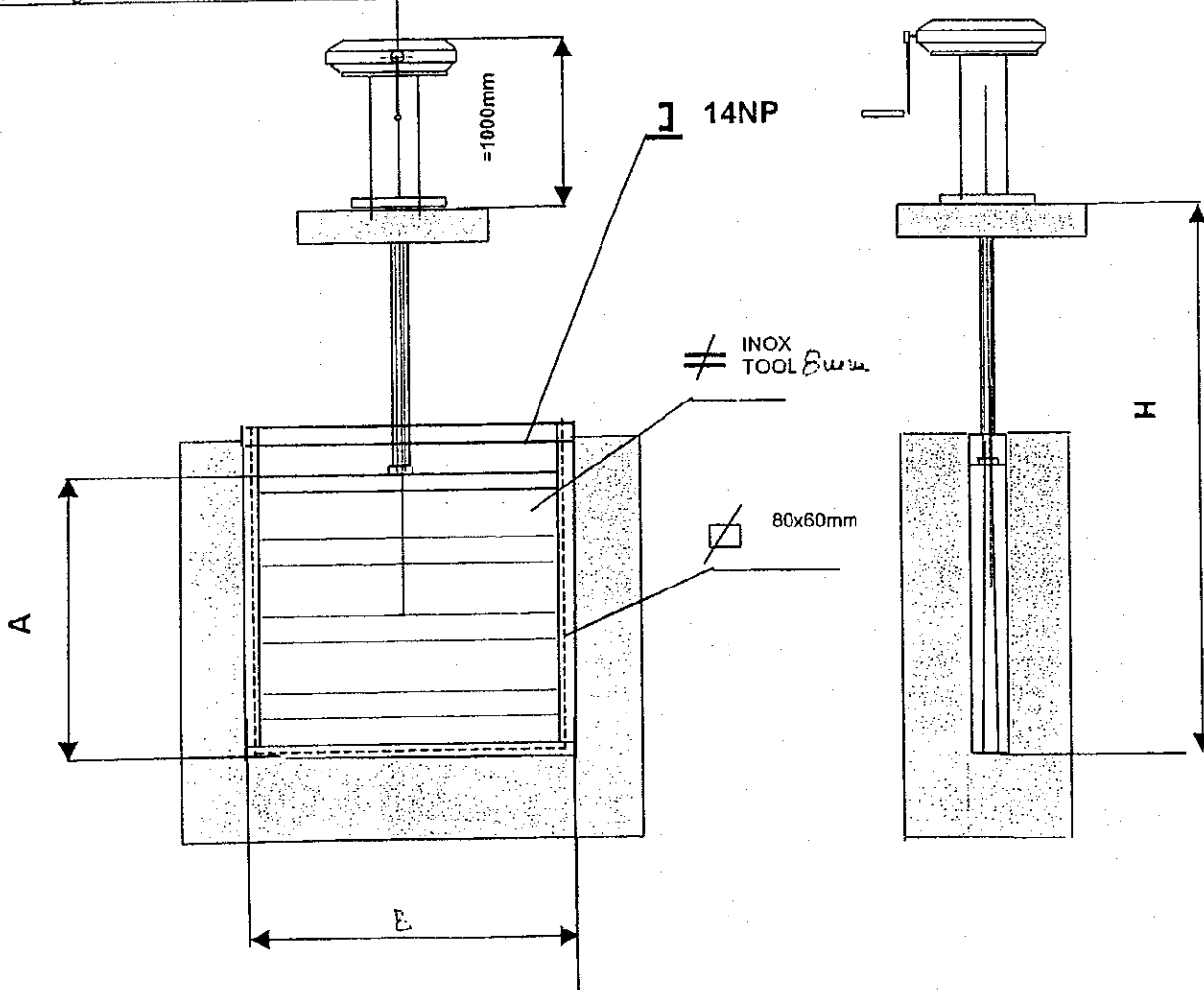
**INSPECTION SHEET**

**SLUICE GATE WITH GEAR BOX AND MANUAL DRIVE  
N°4-B1**

Location:	Primary settler inlet		Date		
Sluice gate type:	Sluice gate with manual drive		Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE	
Service:	Waste Water inlet in primary settler		Type:	GK 200	
			No	OST 200-12,162	
Installation:	out door		Duty:	temporary	
Main drive	Manual by gear box	Closing torque	200mKp	Opening torque	28,6 mKp
Dimension AxB (mm)	2100 x 2100		Total Height H mm	~4000	
Material frame	carbon steel-zinc coated		Material plate	INOX steel	
Gasket	rubber		Screw shaft	INOX steel	

**4. INSPECTION DATA**

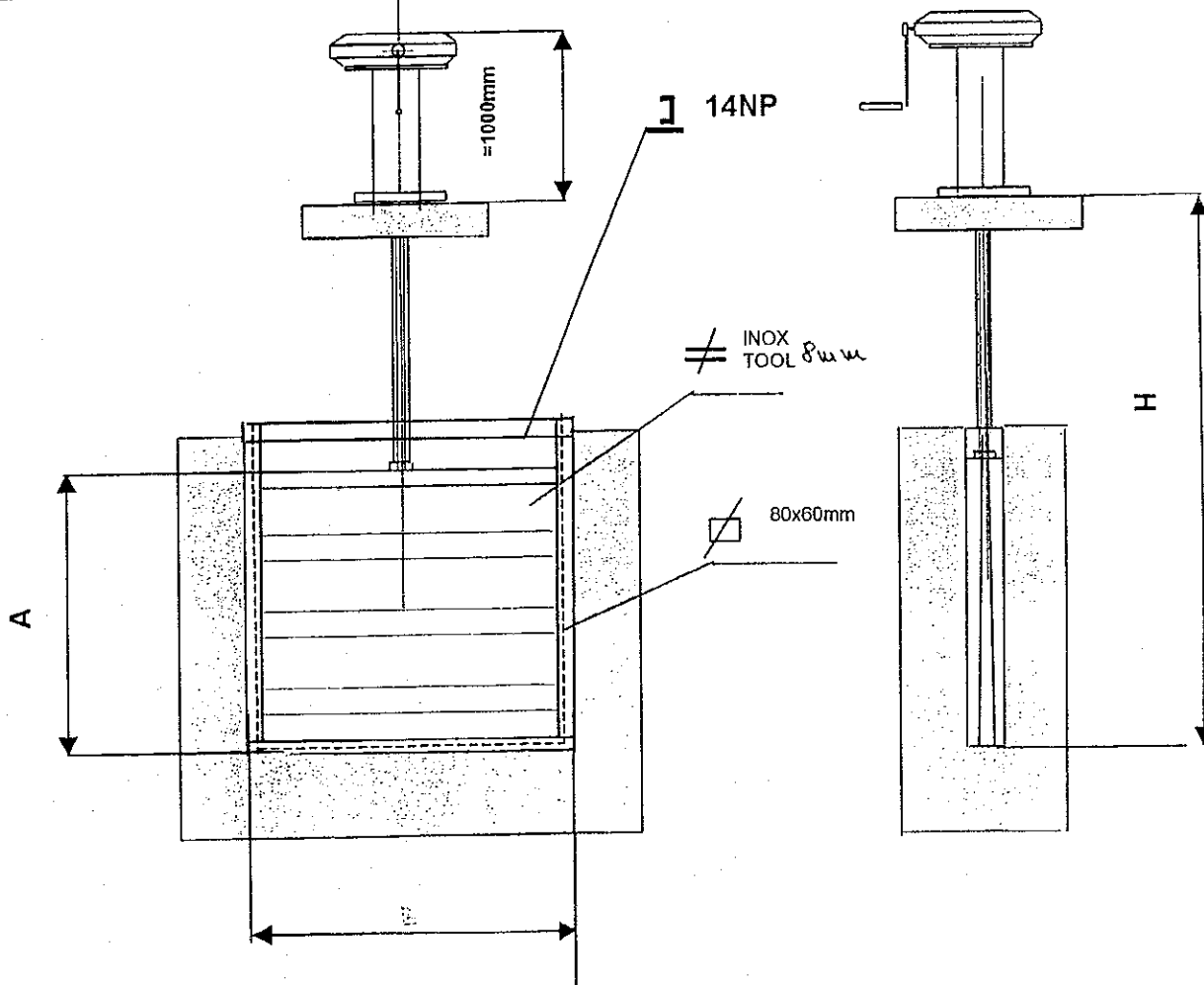
	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	Wery bad	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	ANCHOR BOLTS AND FOUNDATION DISTROED	NEW FOUNDATION AND NEW ANCHOR BOLTS CLEANING AND GREASING
Frame Corrosion	Yes 80%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	FOR CHANGE			
Painting	FOR REPAINTING			



INSPECTION SHEET					
SLUICE GATE WITH GEAR BOX AND MANUAL DRIVE					
N°4-A1					
Location:	Primary settler inlet			Date	
Sluice gate type:	Sluice gate with manual drive		Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE	
Service:	Waste Water inlet in primary settler		Type:	GK 200	
Installation:	out door		No	OST 200-12,162	
Main drive	Manual by gear box	Closing torque	200mKp	Opening torque	28,6 mKp
Dimension AxB (mm)	2100 x 2100		Total Height H mm	~4000	
Material frame	carbon steel-zinc coated		Material plate	INOX steel	
Gasket	rubber		Screw shaft	INOX steel	

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	Wery bad	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	ANCHOR BOLTS AND FOUNDATION DISTROED	NEW FOUNDATION AND NEW ANCHOR BOLTS CLEANING AND GREASING
FrameCorrosion	Yes 80%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	FOR CHANGE			
Painting	FOR REPAINTING			



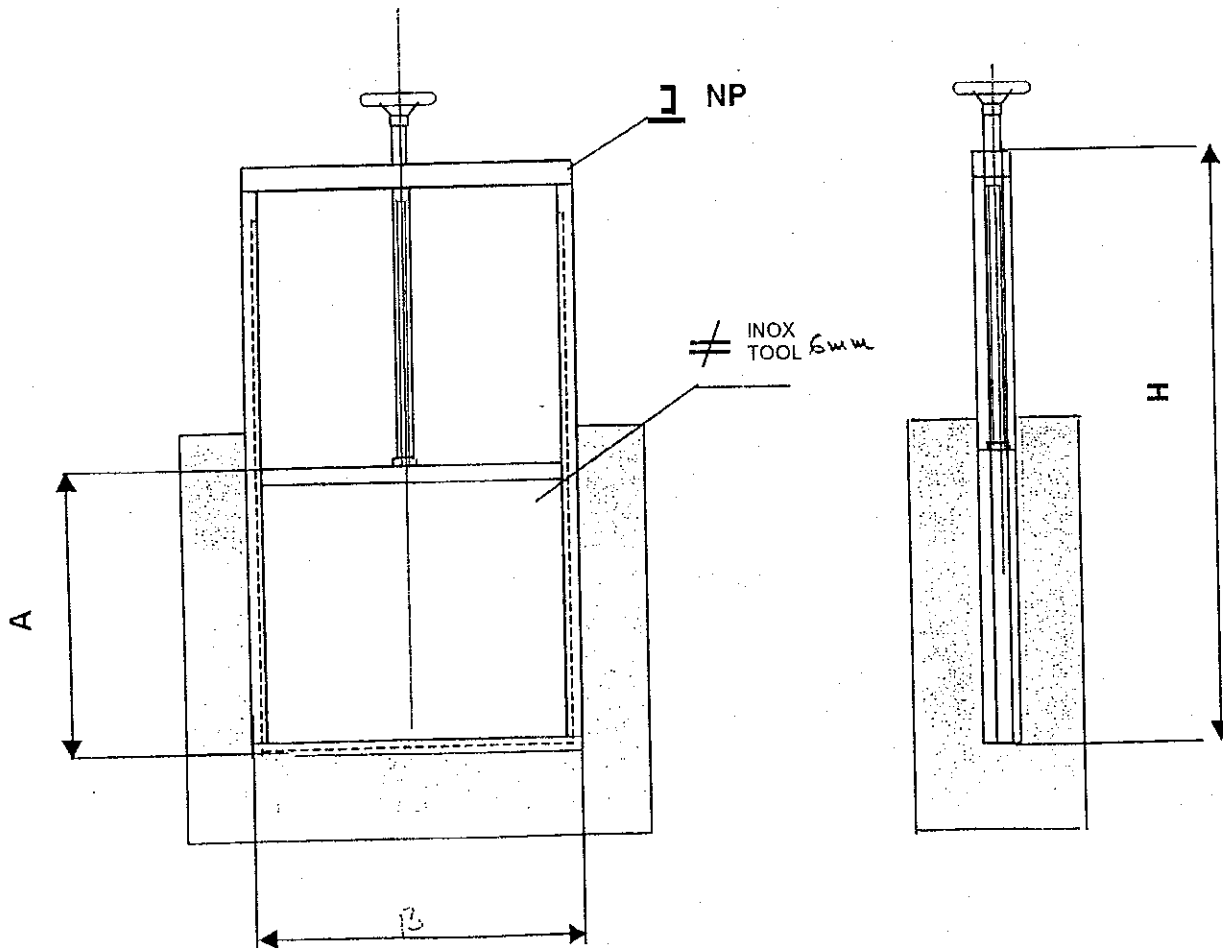
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°5.1-A1**

Location:	Aeration chamber inlet	Date	08.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in aeration chamber	Type:	4B
Installation:	out door	No	22189 4B
Main drive	Manual by screw	Duly:	temporary
Dimension AxB (mm)	400 x 550	Reserve drive	no
Material frame	carbon steel-zinc coated	Total Height H mm	~920
Gasket	rubber	Material plate	INOX steel
		Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			

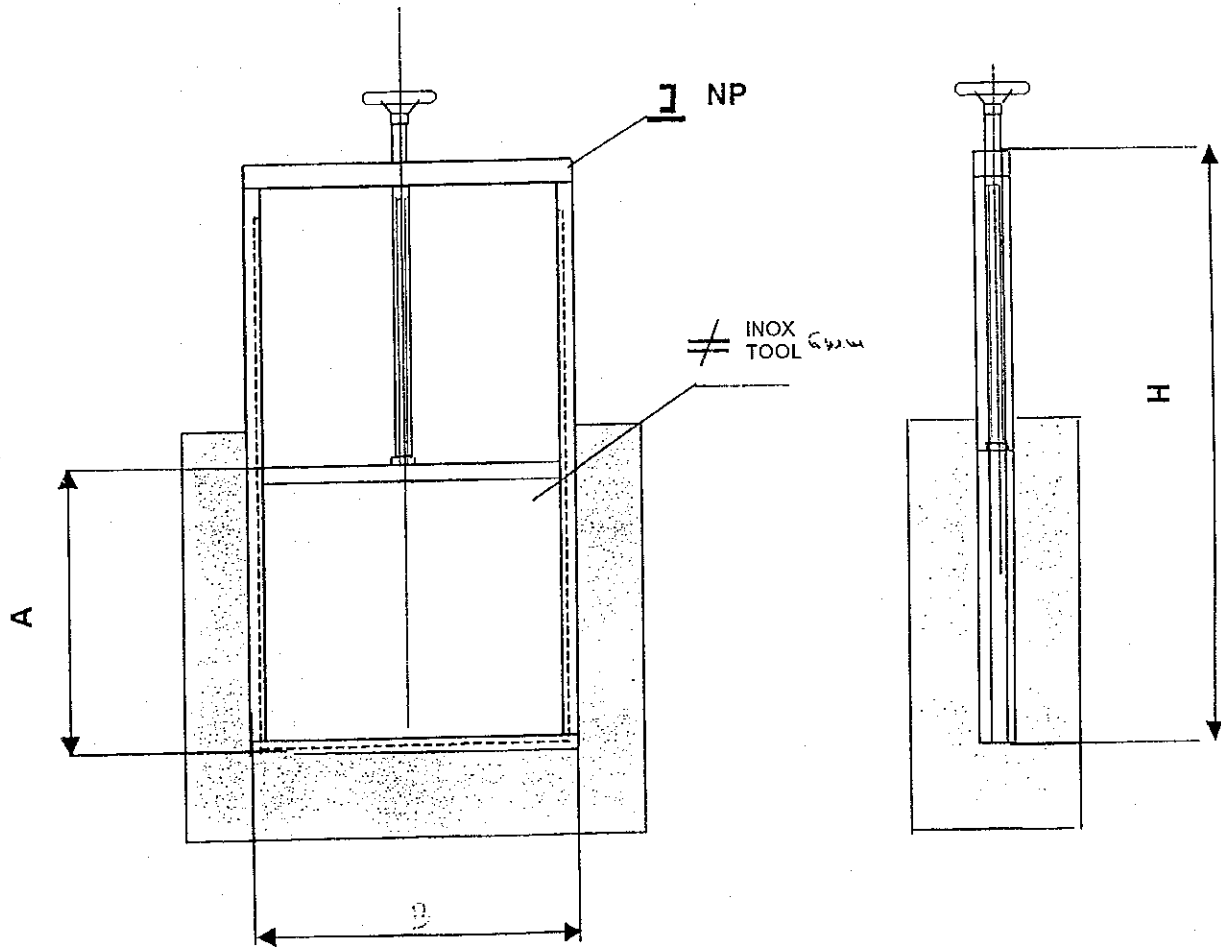




INSPECTION SHEET		SLUICE GATE WITH MANUAL DRIVE	
		N°5.1-B1	
Location:	Aeration chamber inlet	Date	08.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in aeration chamber	Type:	4B
		No	22184 4B
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	400 x 550	Total Height H mm	~920
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



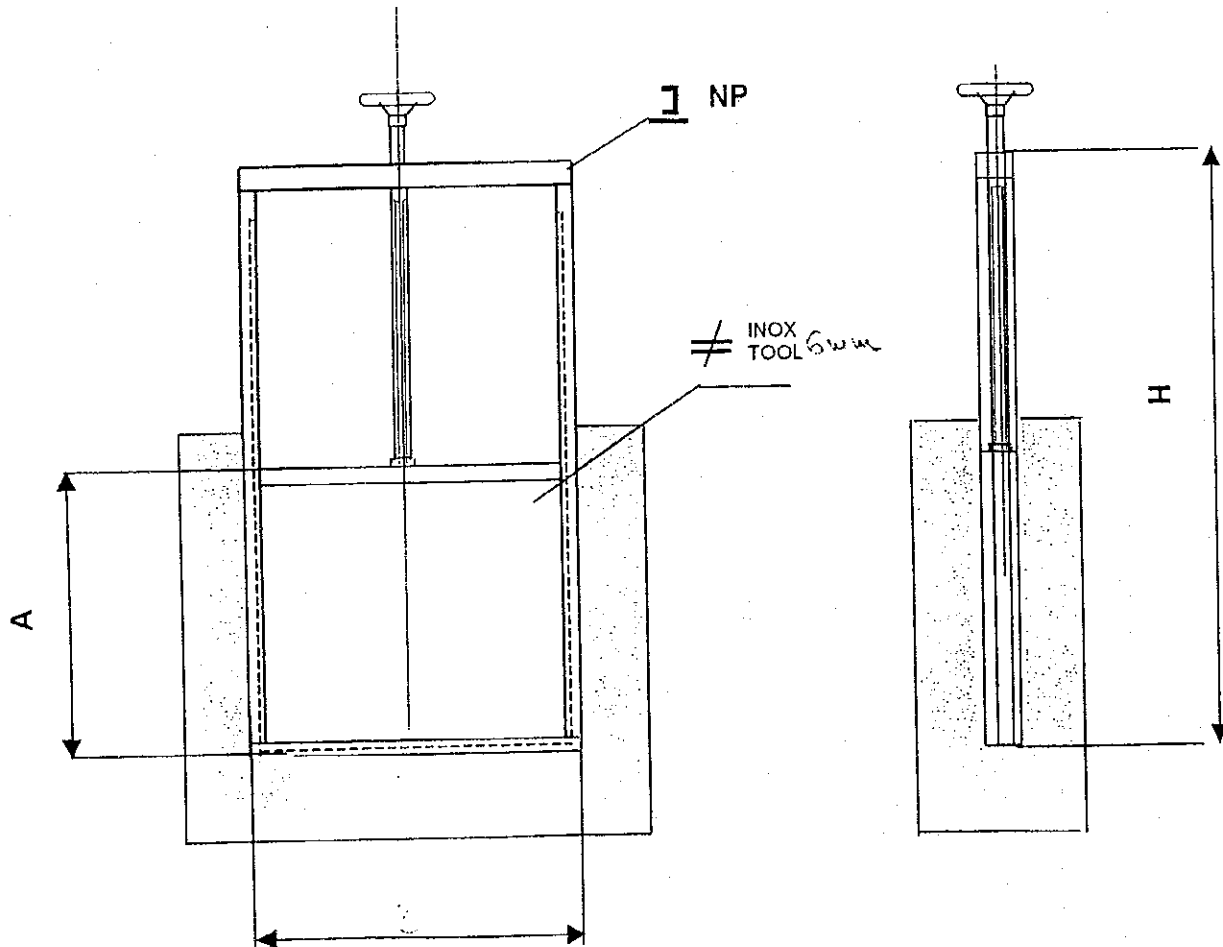
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°5.1-C1**

Location:	Aeration chamber inlet	Date	08.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in aeration chamber	Type:	4B
		No	22184 4B
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	400 x 550	Total Height H mm	~920
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

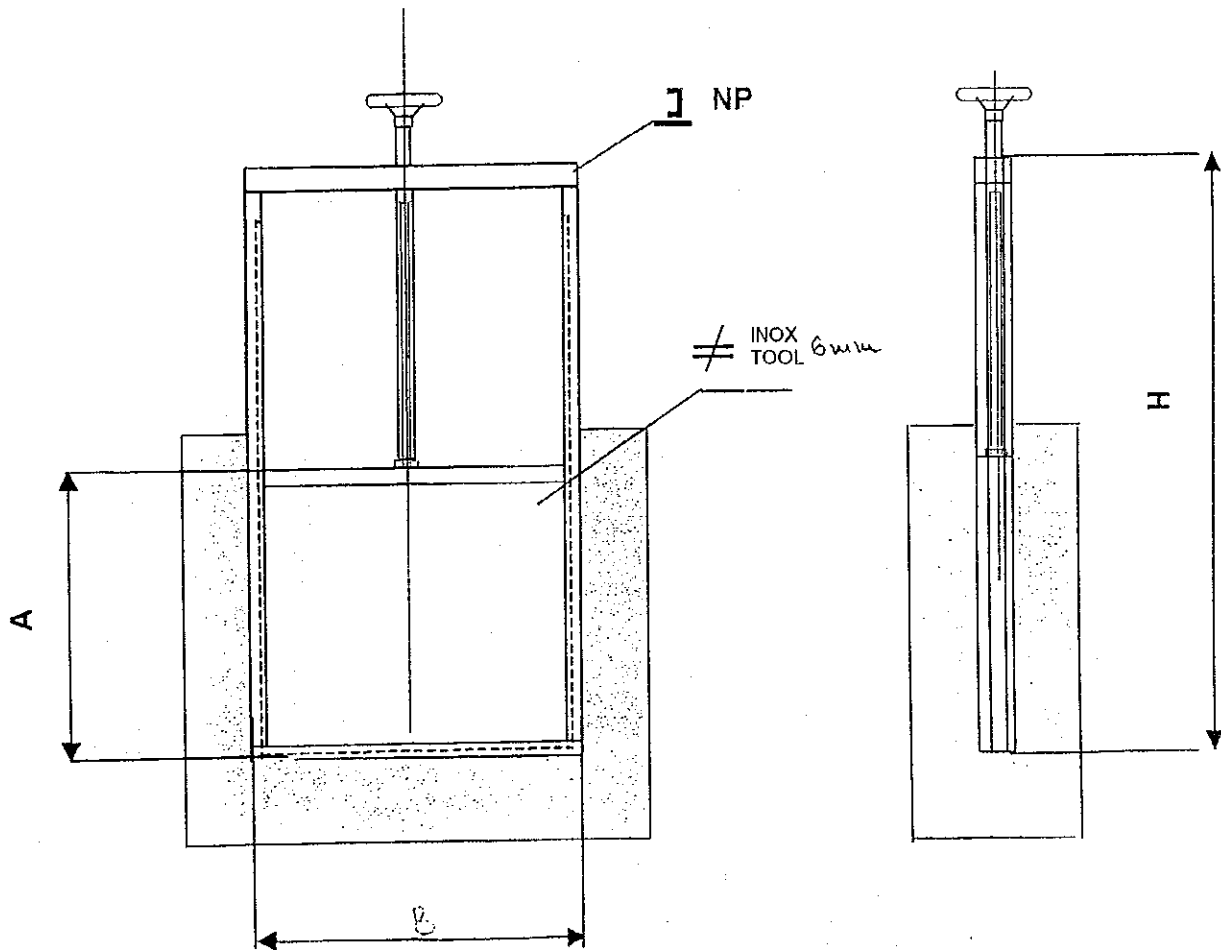
	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
FrameCorrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



INSPECTION SHEET			
SLUICE GATE WITH MANUAL DRIVE			
N°5.1-D1			
Location:	Aeration chamber inlet	Date	08.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in aeration chamber	Type:	4B
		No	22185 4B
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	400 x 550	Total Height H mm	~920
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



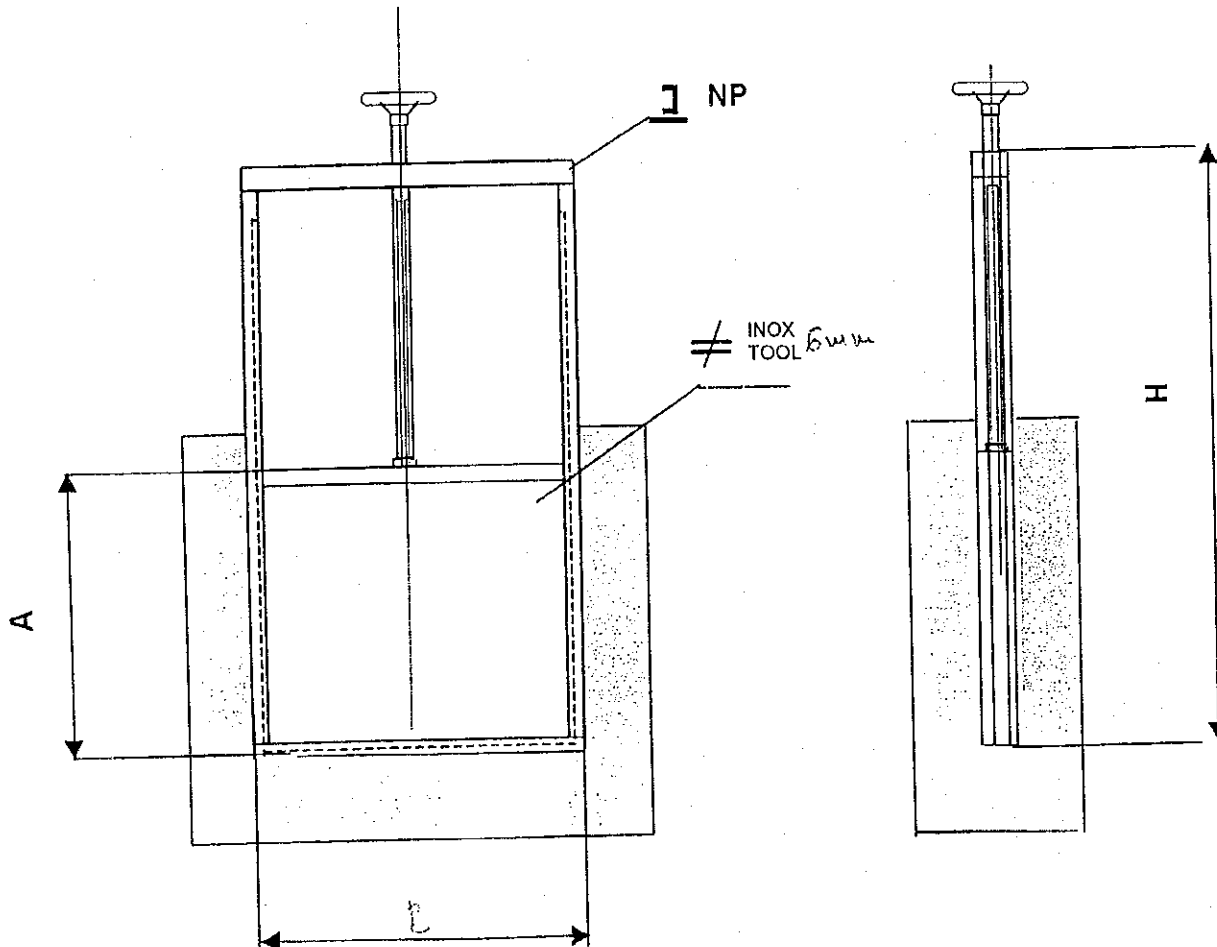
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°5.1-E1**

Location: Aeration chamber inlet		Date: 08.07.1999	
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in aeration chamber	Type:	4B
		No:	22183 4B
Installation:	out door	Duty:	temporary
Main drive:	Manual by screw	Reserve drive:	no
Dimension AxB (mm):	400 x 550	Total Height H mm:	~920
Material frame:	carbon steel-zinc coated	Material plate:	INOX steel
Gasket:	rubber	Screw shaft:	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



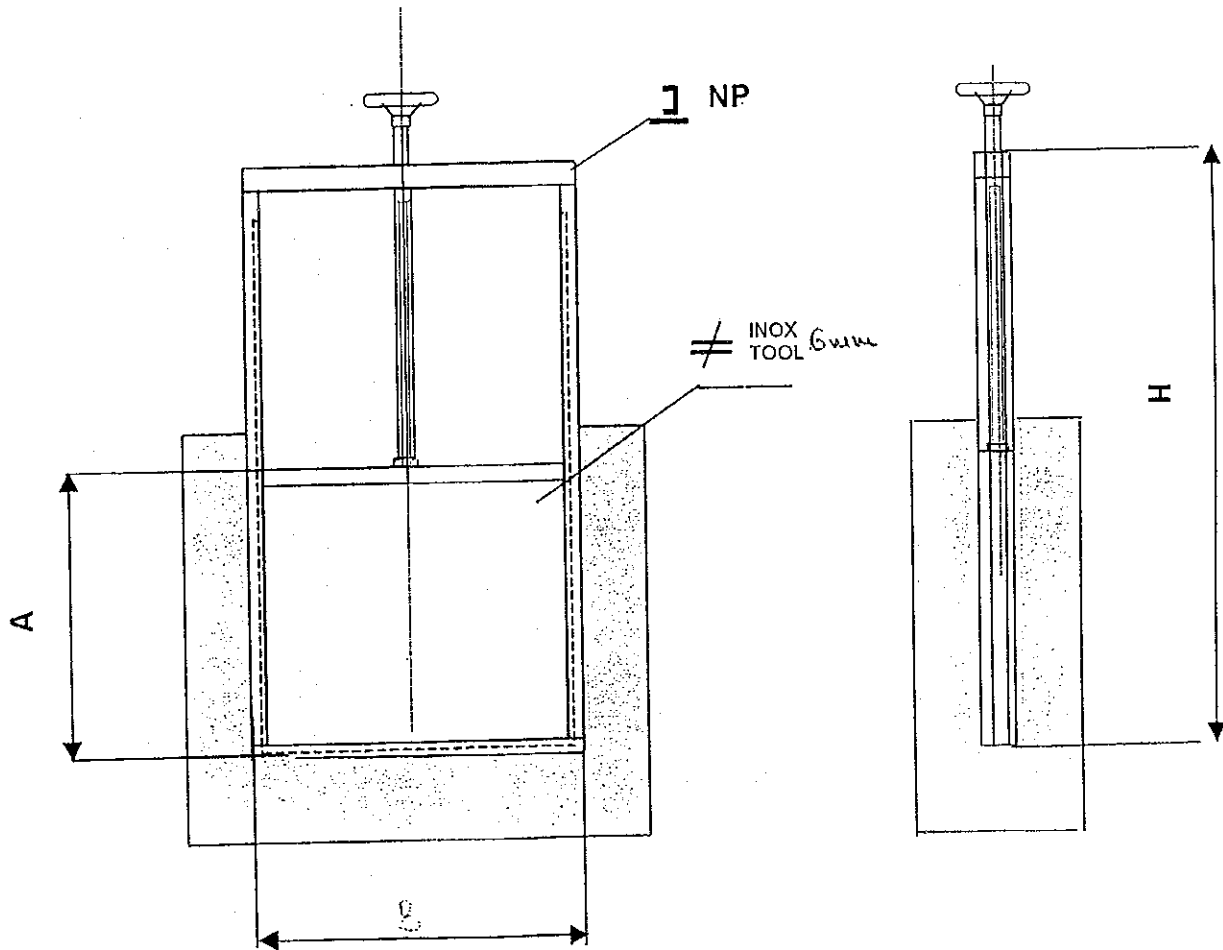
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°5.1-F1**

Location:	Aeration chamber inlet	Date	08.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in aeration chamber	Type:	4B
		No	22186 4B
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	400 x 550	Total Height H mm	~920
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
FrameCorrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



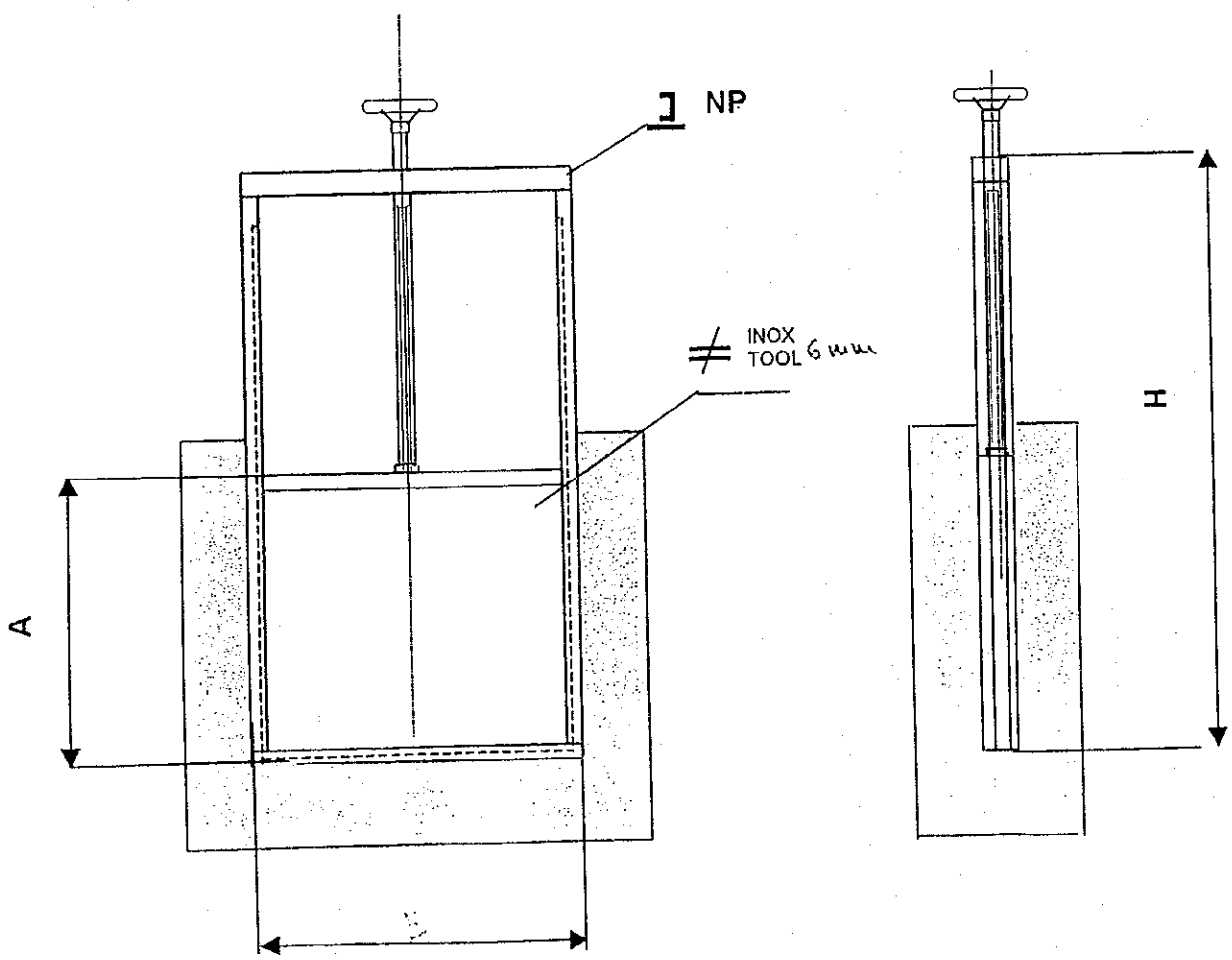
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°5.1-G1**

Location:	Aeration chamber inlet	Date	08.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in aeration chamber	Type:	4B
		No	22180 4B
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	400 x 550	Total Height H mm	~920
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

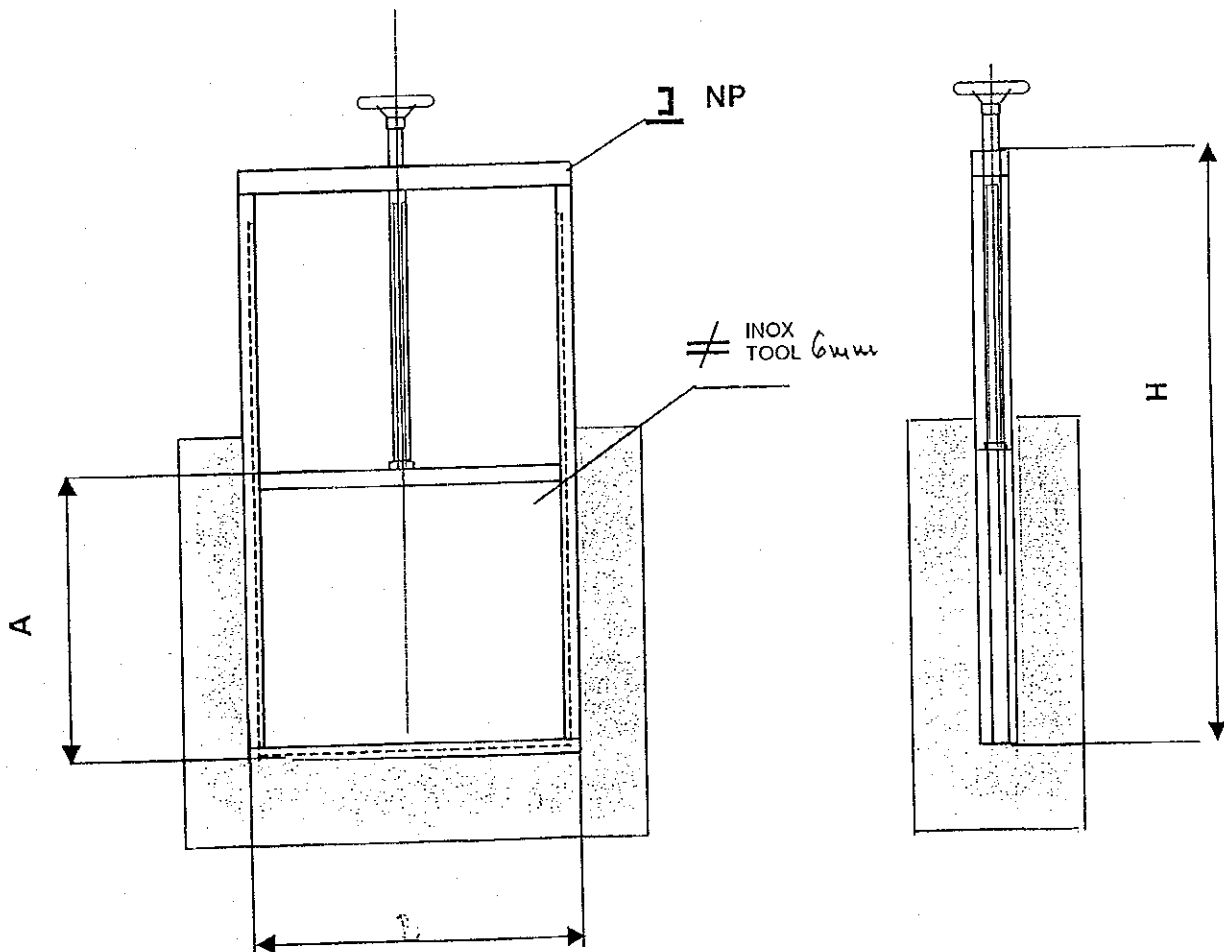
	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
FrameCorrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



<b>INSPECTION SHEET</b>		<b>SLUICE GATE WITH MANUAL DRIVE</b>	
<b>N°5.1-H1</b>		Date	08.07.1999
Location:	Aeration chamber inlet		Manufacturer:
Sluice gate type:	Sluice gate with manual drive	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE	
Service:	Waste Water inlet in aeration chamber	Type:	4B
Installation:	out door	No	22172 4B
Main drive	Manual by screw	Duty:	temporary
Dimension AxB (mm)	400 x 550	Reserve drive	no
Material frame	carbon steel-zinc coated	Total Height H mm	~920
Gasket	rubber	Material plate	INOX steel
		Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
FrameCorrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



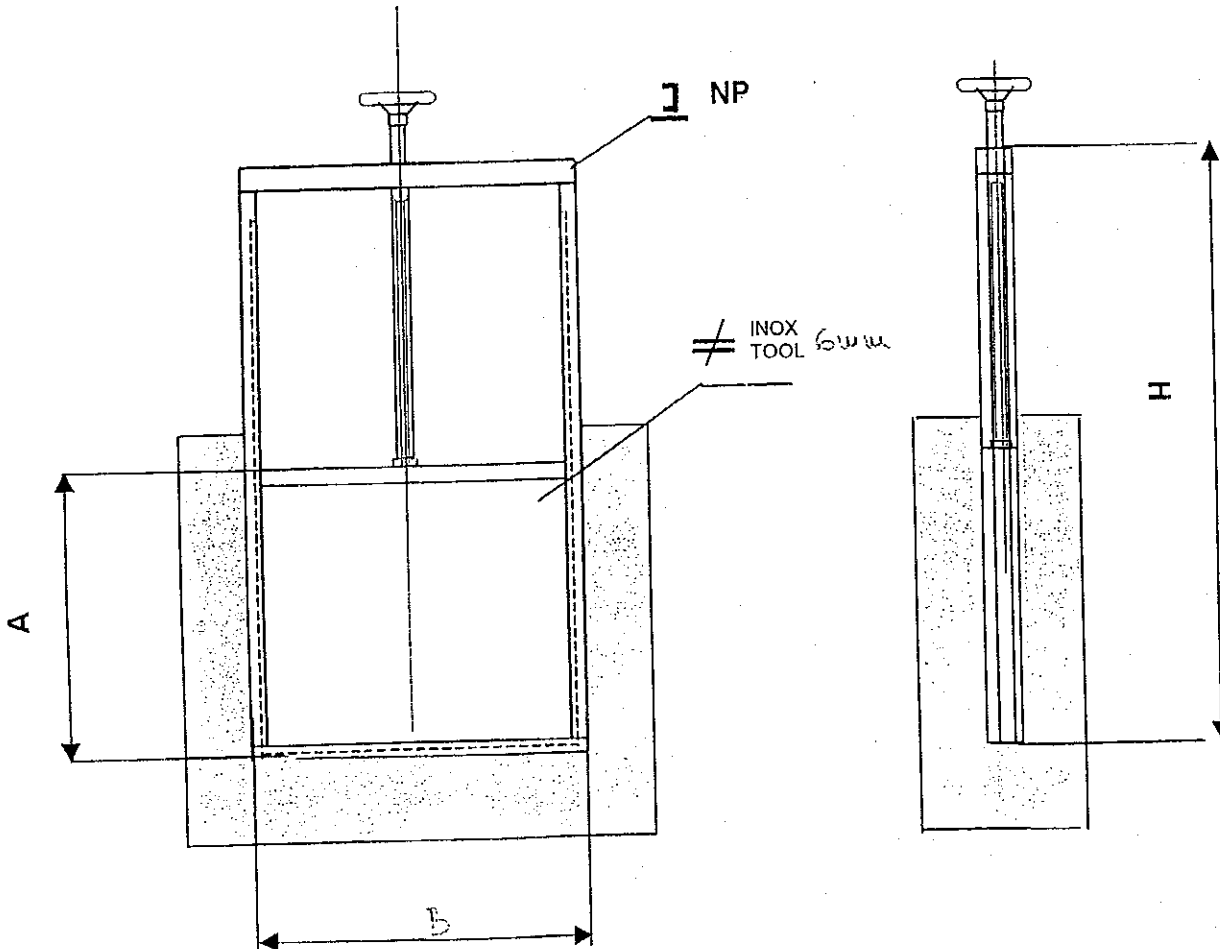
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°5.2-A1**

<b>Location:</b> Aeration chamber inlet		<b>Date:</b> 08.07.1999	
<b>Sluice gate type:</b>	Sluice gate with manual drive	<b>Manufacturer:</b>	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
<b>Service:</b>	Waste Water inlet in aeration chamber	<b>Type:</b>	4B
<b>Installation:</b>	out door	<b>No:</b>	22188 4B
<b>Main drive:</b>	Manual by screw	<b>Duty:</b>	temporary
<b>Dimension AxB (mm)</b>	400 x 550	<b>Reserve drive:</b>	no
<b>Material frame:</b>	carbon steel-zinc coated	<b>Total Height H mm:</b>	~920
<b>Gasket:</b>	rubber	<b>Material plate:</b>	INOX steel
		<b>Screw shaft:</b>	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			

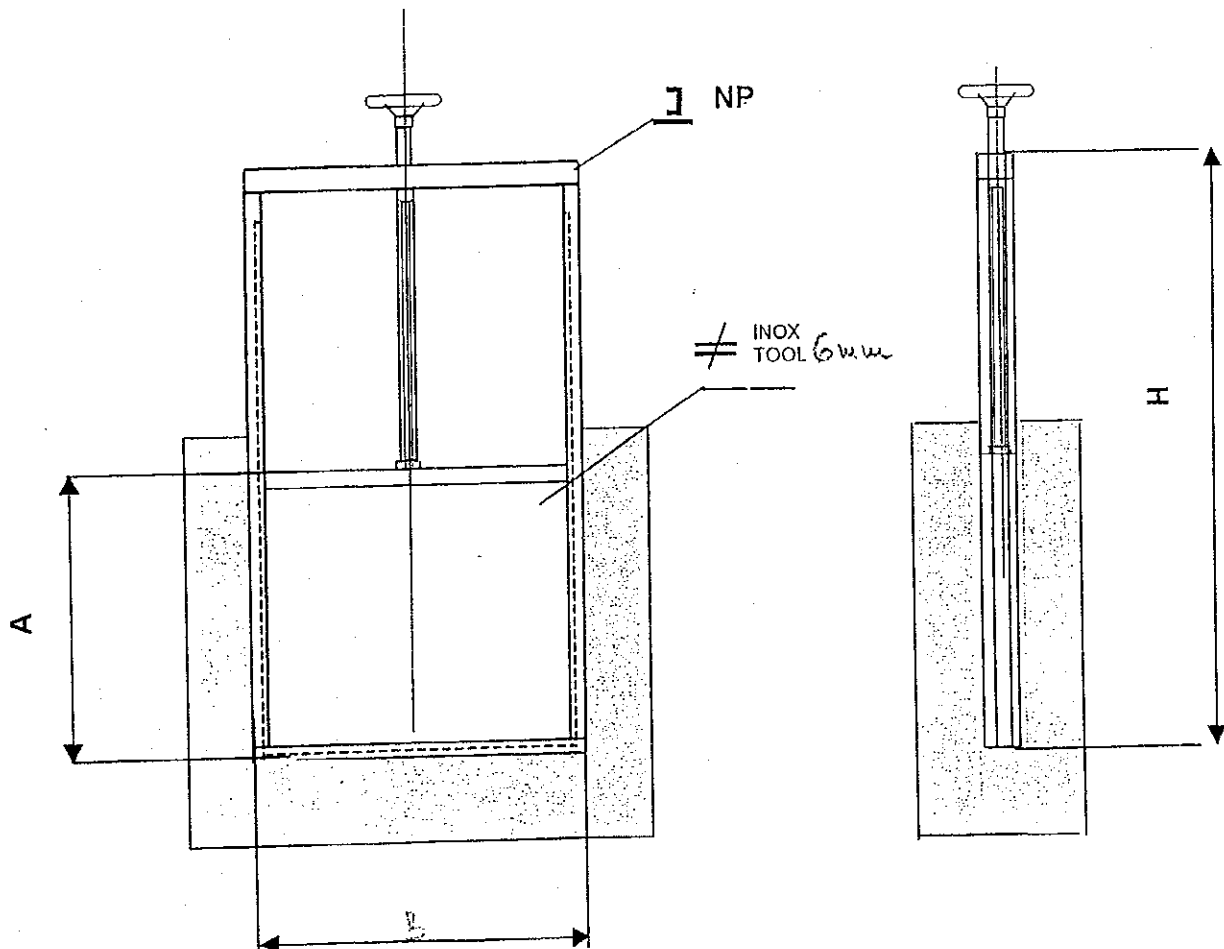




INSPECTION SHEET		SLUICE GATE WITH MANUAL DRIVE	
		N°5.2-B1	
Location:	Aeration chamber inlet	Date	08.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in aeration chamber	Type:	4B
		No	22194 4B
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	400 x 550	Total Height H mm	~920
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



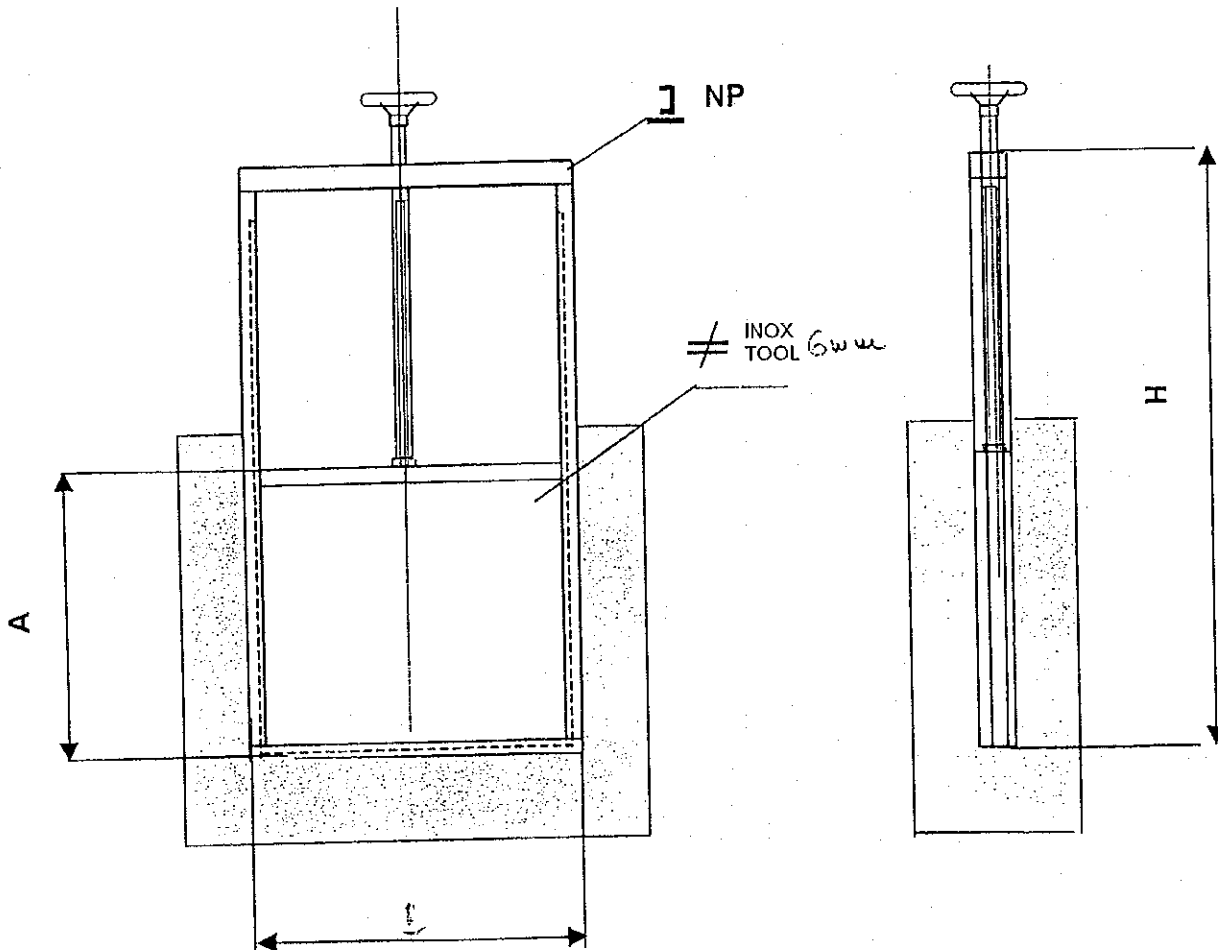
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°5.2-C1**

Location:	Aeration chamber inlet	Date	08.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in aeration chamber	Type:	4B
		No	22192 4B
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	400 x 550	Total Height H mm	~920
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



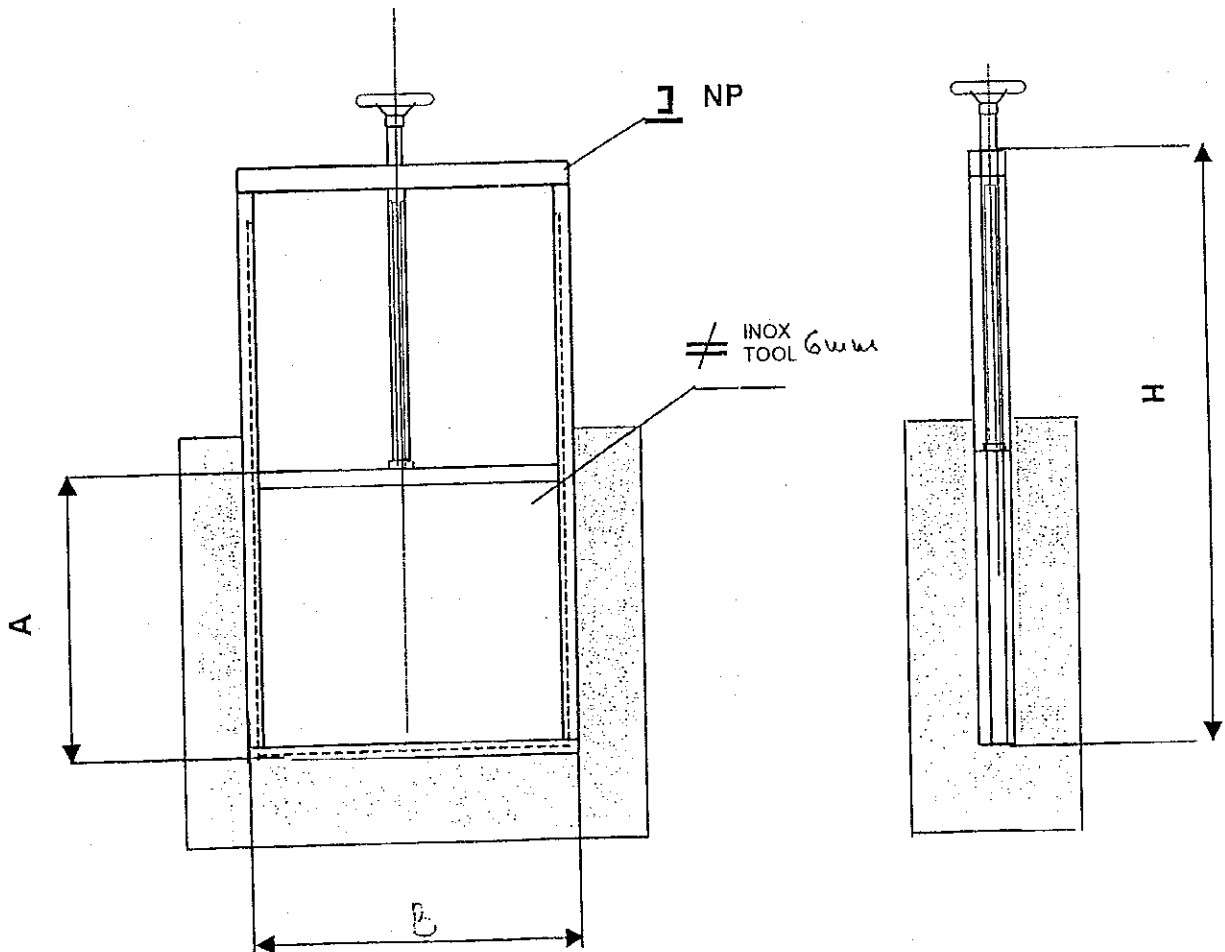
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°5.2-D1**

Location:	Aeration chamber inlet		Date	08.07.1999
Sluice gate type:	Sluice gate with manual drive		Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in aeration chamber		Type:	4B
Installation:	out door		No	22191 4B
Main drive	Manual by screw		Duty:	temporary
Dimension AxB (mm)	400 x 550		Reserve drive	no
Material frame	carbon steel-zinc coated		Total Height H mm	~920
Gasket	rubber		Material plate	INOX steel
			Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



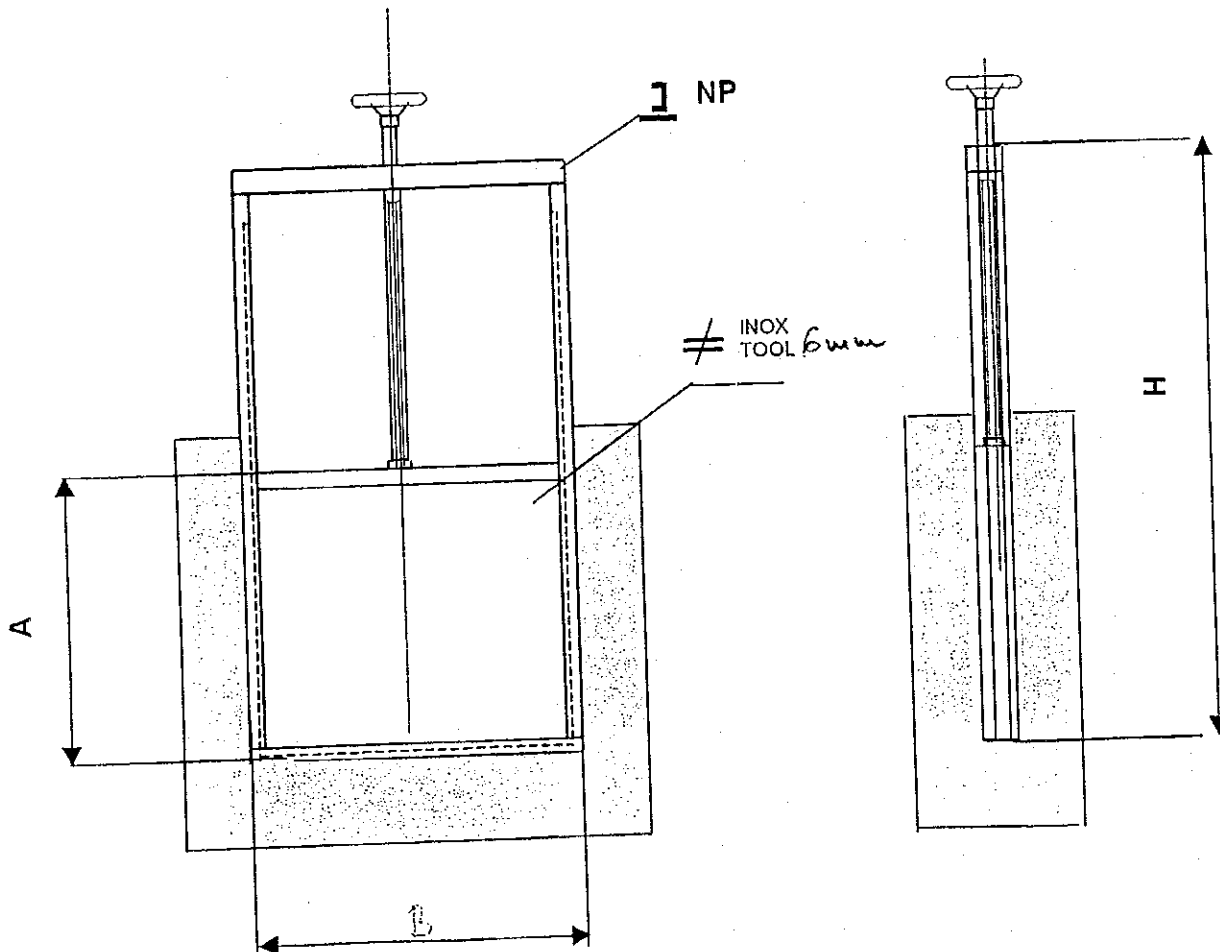
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°5.2-E1**

Location:	Aeration chamber inlet		Date	08.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE	
Service:	Waste Water inlet in aeration chamber	Type:	4B	
Installation:	out door	No	22181 4B	
Main drive	Manual by screw	Duty:	temporary	
Dimension AxB (mm)	400 x 550	Reserve drive	no	
Material frame	carbon steel-zinc coated	Total Height H mm	~920	
Gasket	rubber	Material plate	INOX steel	
		Screw shaft	INOX steel	

**4. INSPECTION DATA**

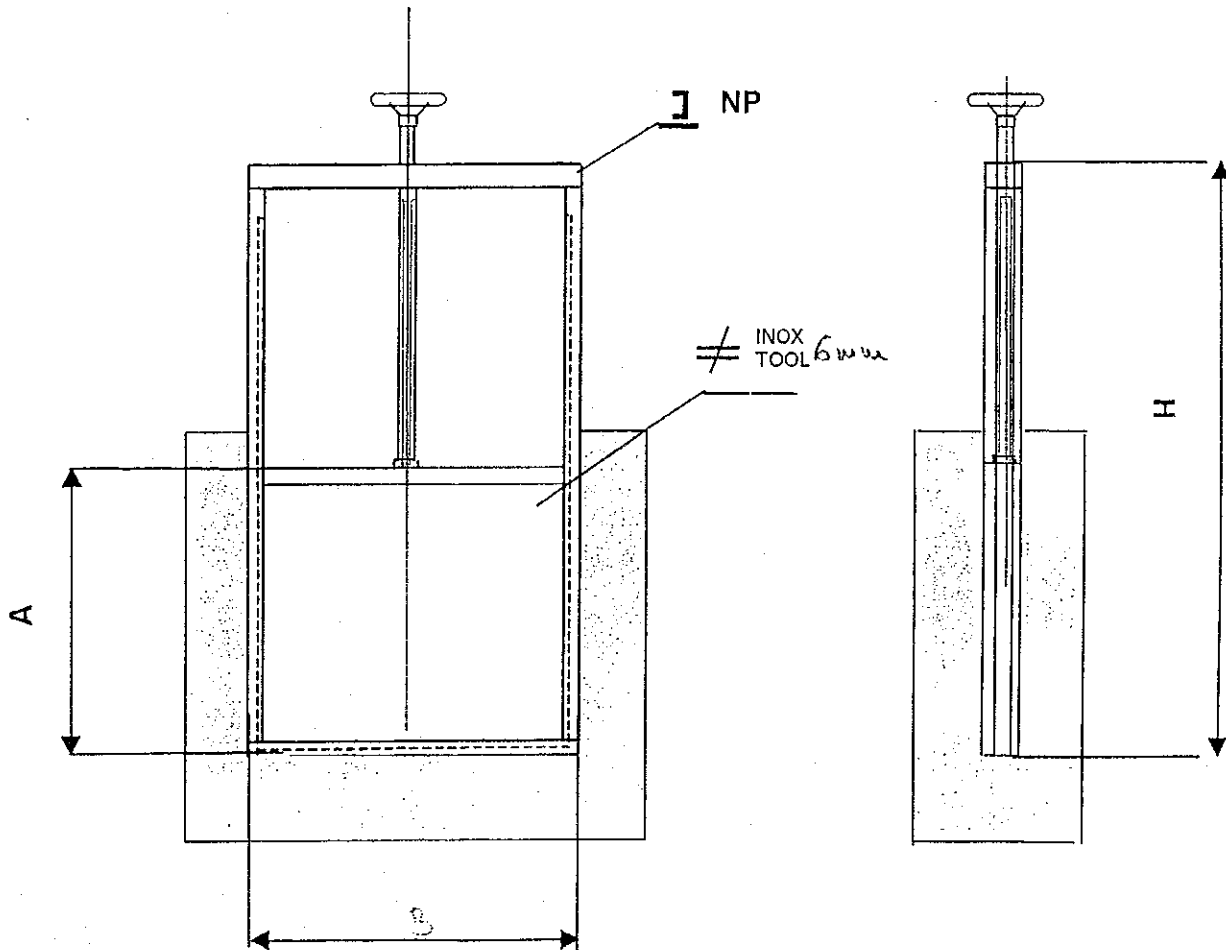
	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
FrameCorrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



INSPECTION SHEET			
SLUICE GATE WITH MANUAL DRIVE			
N°5.2-F1			
Location:	Aeration chamber inlet	Date	08.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in aeration chamber	Type:	4B
Installation:	out door	No	22182 4B
Main drive	Manual by screw	Duty:	temporary
Dimension Ax B (mm)	400 x 550	Reserve drive	no
Material frame	carbon steel-zinc coated	Total Height H mm	~920
Gasket	rubber	Material plate	INOX steel
		Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



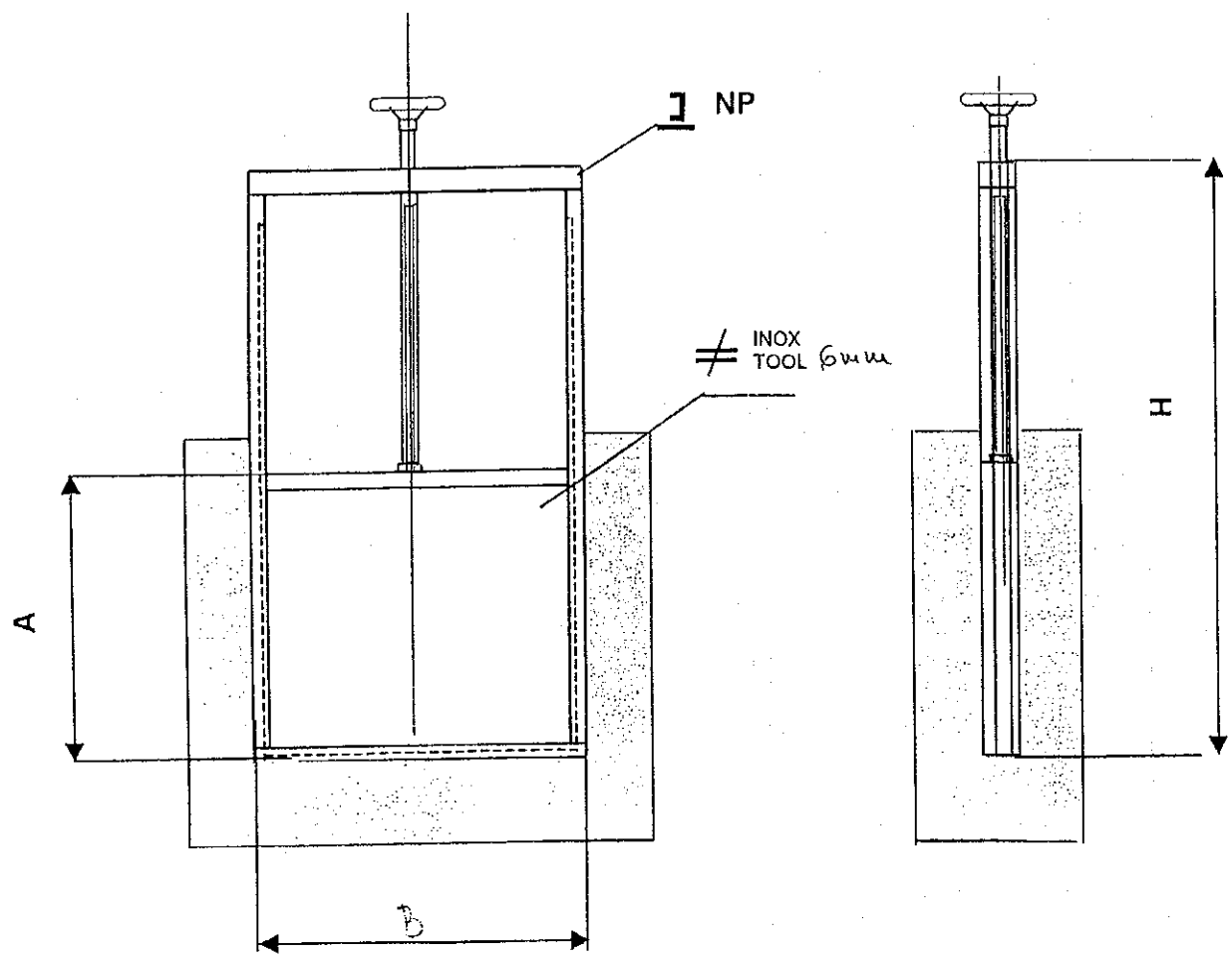
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°5.2-G1**

Location:	Aeration chamber inlet	Date	08.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in aeration chamber	Type:	4B
		No	22193 4B
Installation:	out door	Duty:	temporary
Main drive	Manual by screw	Reserve drive	no
Dimension AxB (mm)	400 x 550	Total Height H mm	~920
Material frame	carbon steel-zinc coated	Material plate	INOX steel
Gasket	rubber	Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



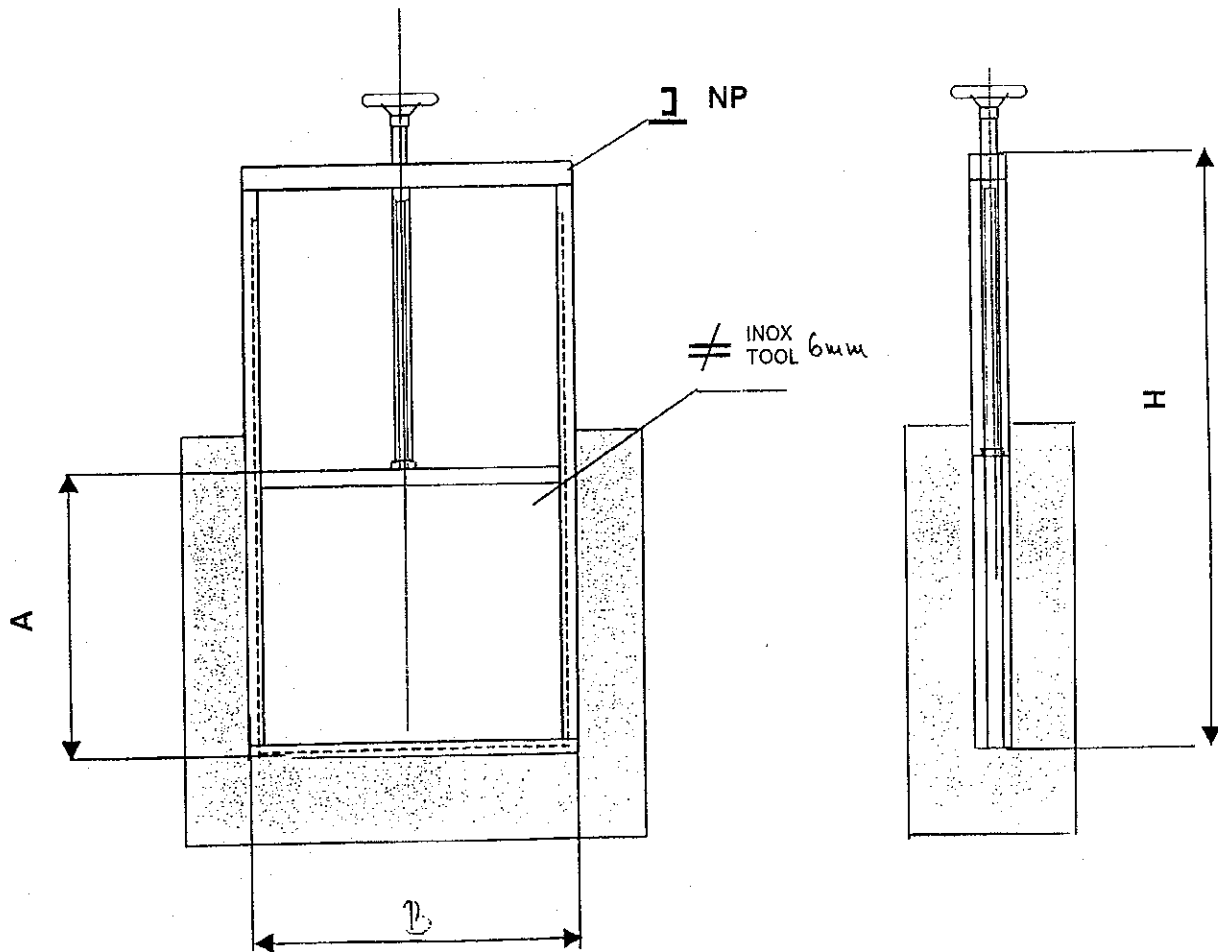
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°5.2-H1**

Location:	Aeration chamber inlet	Date	08.07.1999
Sluice gate type:	Sluice gate with manual drive	Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
Service:	Waste Water inlet in aeration chamber	Type:	4B
Installation:	out door	No	22190 4B
Main drive	Manual by screw	Duty:	temporary
Dimension AxB (mm)	400 x 550	Reserve drive	no
Material frame	carbon steel-zinc coated	Total Height H mm	~920
Gasket	rubber	Material plate	INOX steel
		Screw shaft	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 40%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Painting	NEW			



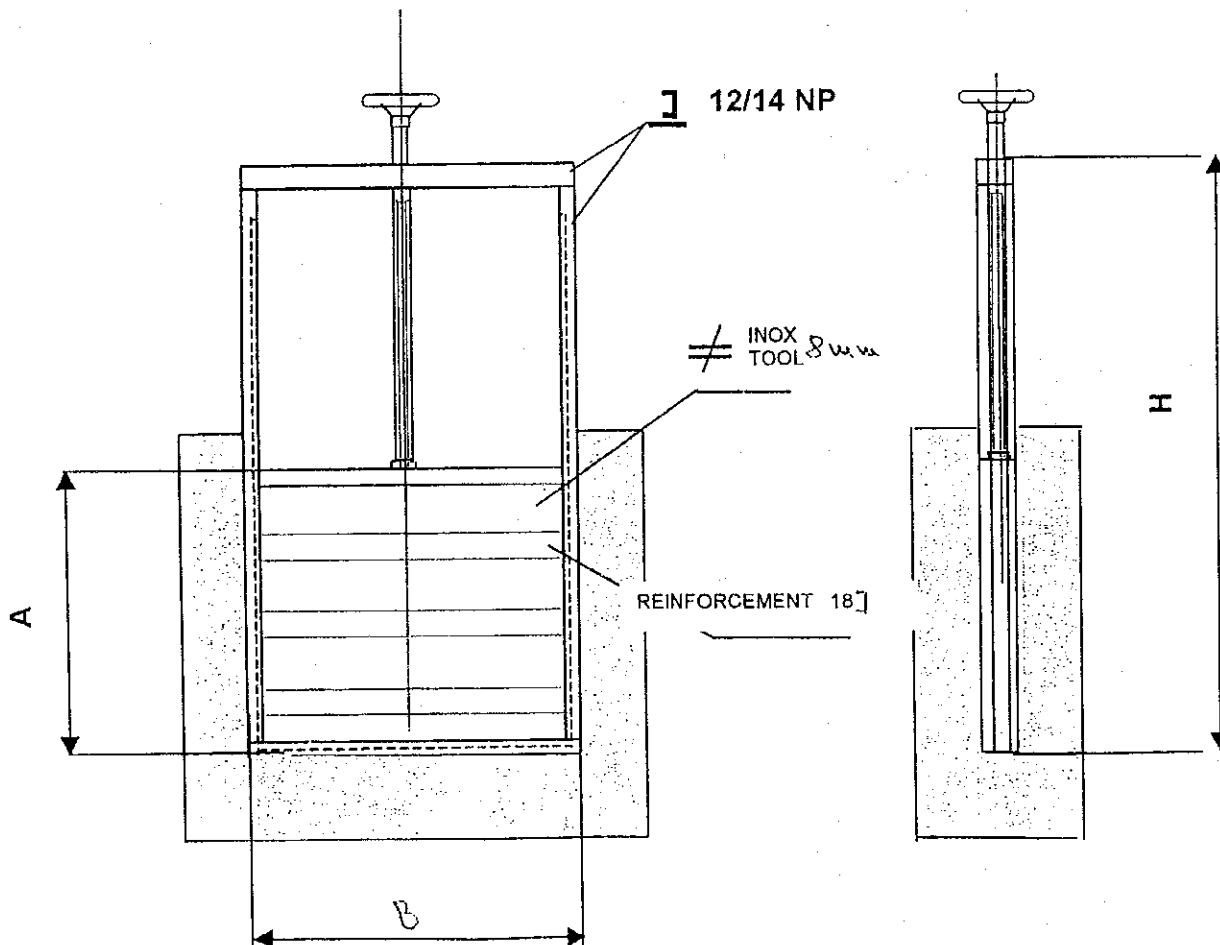
**INSPECTION SHEET**

**SLUICE GATE WITH MANUAL DRIVE  
N°5.1-A2**

<b>Location:</b> Aeration chamber channel outlet		<b>Date:</b> 09.07.1999	
<b>Sluice gate type:</b>	Sluice gate with manual drive	<b>Manufacturer:</b>	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE
<b>Service:</b>	Waste Water outlet from aeration chamber	<b>Type:</b>	7A
<b>Installation:</b>	out door	<b>No:</b>	22177 7A
<b>Main drive:</b>	Manual by screw	<b>Duty:</b>	temporary
<b>Dimension AxB (mm):</b>	1350 x 1600	<b>Reserve drive:</b>	no
<b>Material frame:</b>	carbon steel-zinc coated	<b>Total Height H mm:</b>	~3100
<b>Gasket:</b>	rubber	<b>Material plate:</b>	INOX steel
		<b>Screw shaft:</b>	INOX steel

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
<b>Figure</b>	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
<b>Frame Corrosion</b>	YES 100%			
<b>Plate Corrosion</b>	NO			
<b>Shafts</b>	OK			
<b>Manuel drive</b>	IN FUNCTION			
<b>Bearings</b>	OK			
<b>Gasket</b>	NO			
<b>Peinting</b>	NEW			





**INSPECTION SHEET**

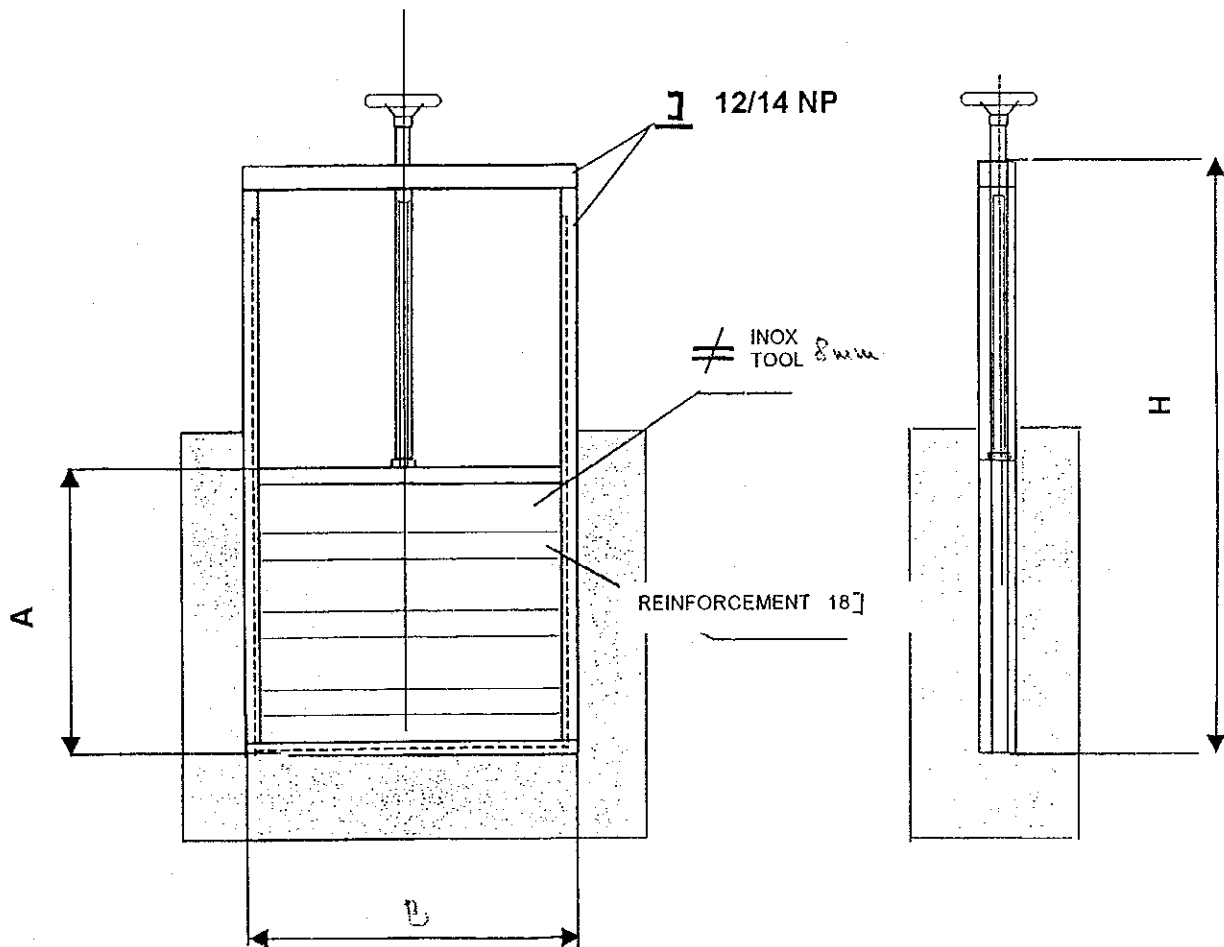
**SLUICE GATE WITH MANUAL DRIVE**

**N°5.2-A2**

<b>Location:</b>	Aeration chamber channel outlet		<b>Date</b>	09.07.1999
<b>Sluice gate type:</b>	Sluice gate with manual drive	<b>Manufacturer:</b>	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE	
<b>Service:</b>	Waste Water outlet from aeration chamber	<b>Type:</b>	7A	
		<b>No</b>	22178 7A	
<b>Installation:</b>	out door	<b>Duty:</b>	temporary	
<b>Main drive</b>	Manual by screw	<b>Reserve drive</b>	no	
<b>Dimension AxB (mm)</b>	1350 x 1600	<b>Total Height H mm</b>	~3100	
<b>Material frame</b>	carbon steel-zinc coated	<b>Material plate</b>	INOX steel	
<b>Gasket</b>	rubber	<b>Screw shaft</b>	INOX steel	

**4. INSPECTION DATA**

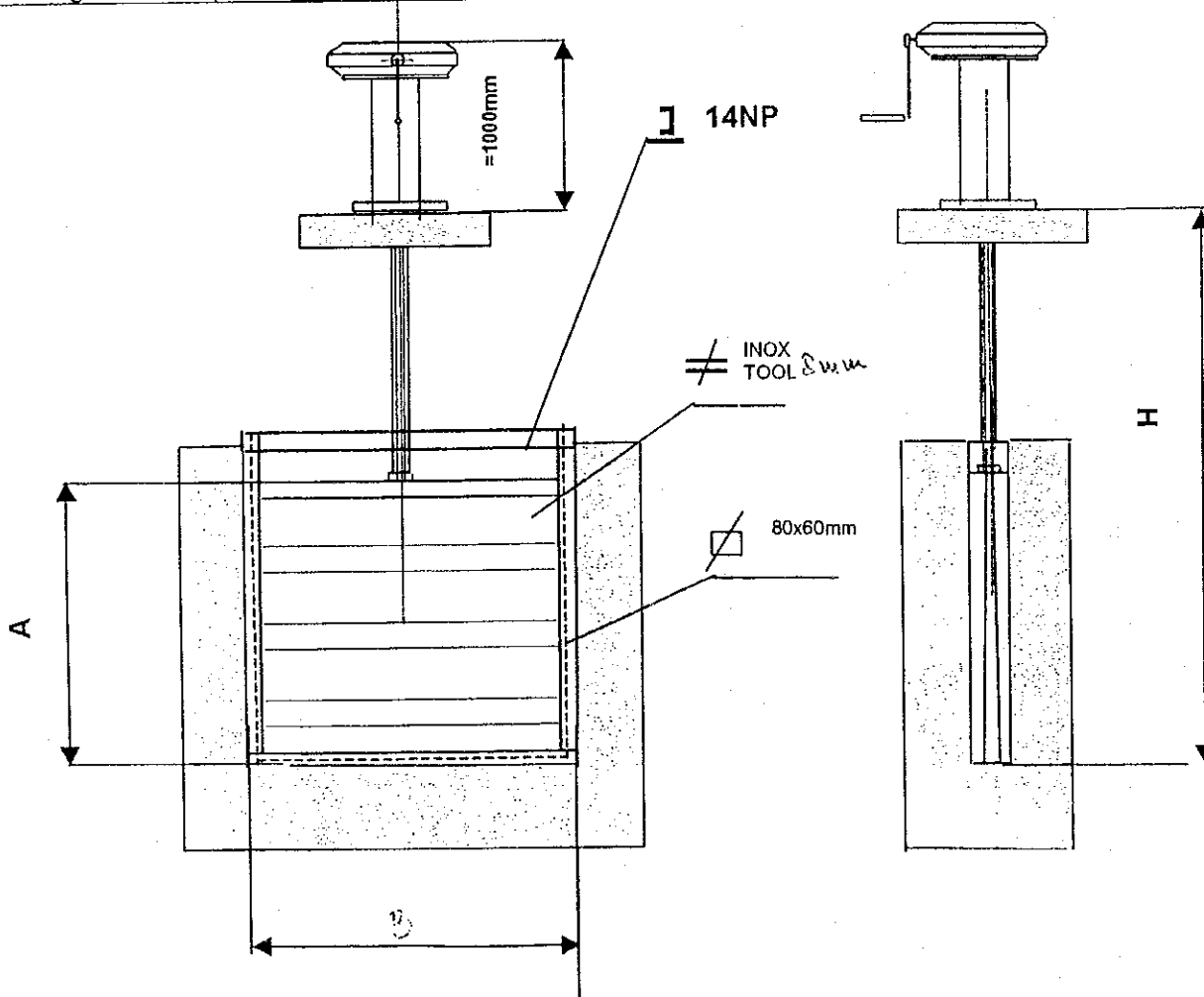
	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	OK	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	YES 100%			
Plate Corrosion	NO			
shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	NO			
Peinting	NEW			



INSPECTION SHEET					
SLUICE GATE WITH GEAR BOX AND MANUAL DRIVE					
N°5.1.-A3					
Location:	Aeration chamber outlet			Date	09. 07. 1999
Sluice gate type:	Sluice gate with manual drive		Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE	
Service:	Waste Water inlet in primery settler		Type:	GK 50 GST 200-12,162 X1	
Installation:	out door		No	805716	
Main drive	Manual by gear box	Closing torque	50mKp	Opening torque	14,2 mKp
Dimension AxB (mm)	2400 x 1400		Total Height H mm	~6500	
Material frame	carbon steel-zinc coated		Material plate	INOX steel	
Gasket	rubber		Screw shaft	INOX steel	

**4. INSPECTION DATA**

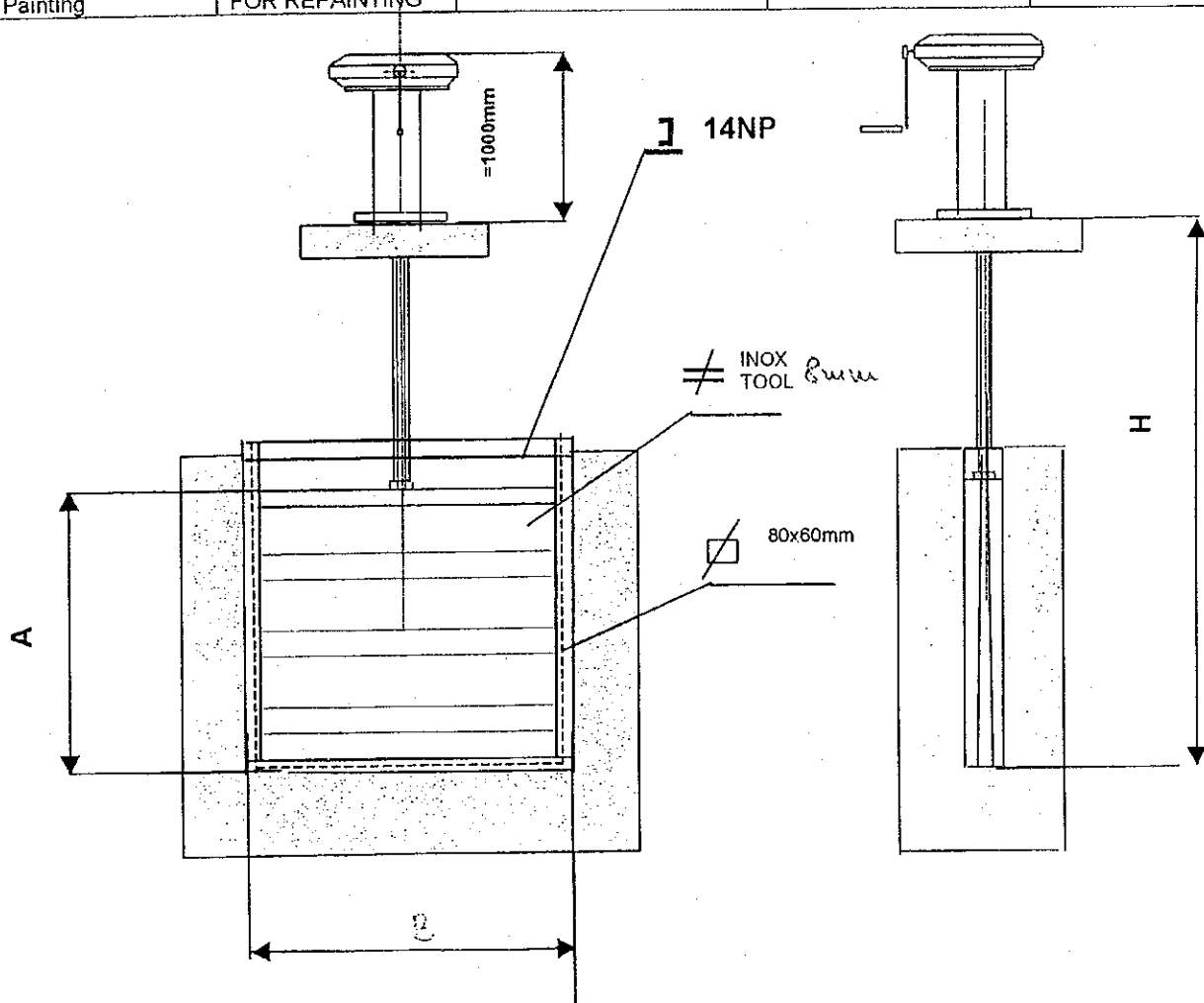
	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	Wery bad	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
FrameCorrosion	Yes 100%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	FOR CHANGE			
Painting	FOR REPAINTING			



INSPECTION SHEET					
SLUICE GATE WITH GEAR BOX AND MANUAL DRIVE					
N°5.1.-B3					
Location:	Aeration chamber outlet		Date	09. 07. 1999	
Sluice gate type:	Sluice gate with manual drive		Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE	
Service:	Waste Water inlet in primery settler		Type:	GK 50 X1	
			No	805716 X1	
Installation:	out door		Duty:	temporary	
Main drive	Manual by gear box	Closing torque	50mKp	Opening torque	14,2 mKp
Dimension AxB (mm)	2400 x 1400		Total Height H mm	~6500	
Material frame	carbon steel-zinc coated		Material plate	INOX steel	
Gasket	rubber		Screw shaft	INOX steel	

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	Wery bad	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	NEW FOUNDATION AND NEW ANCHOR BOLTS CLEANING AND GREASING
FrameCorrosion	Yes 100%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	FOR CHANGE			
Painting	FOR REPAINTING			



**INSPECTION SHEET**

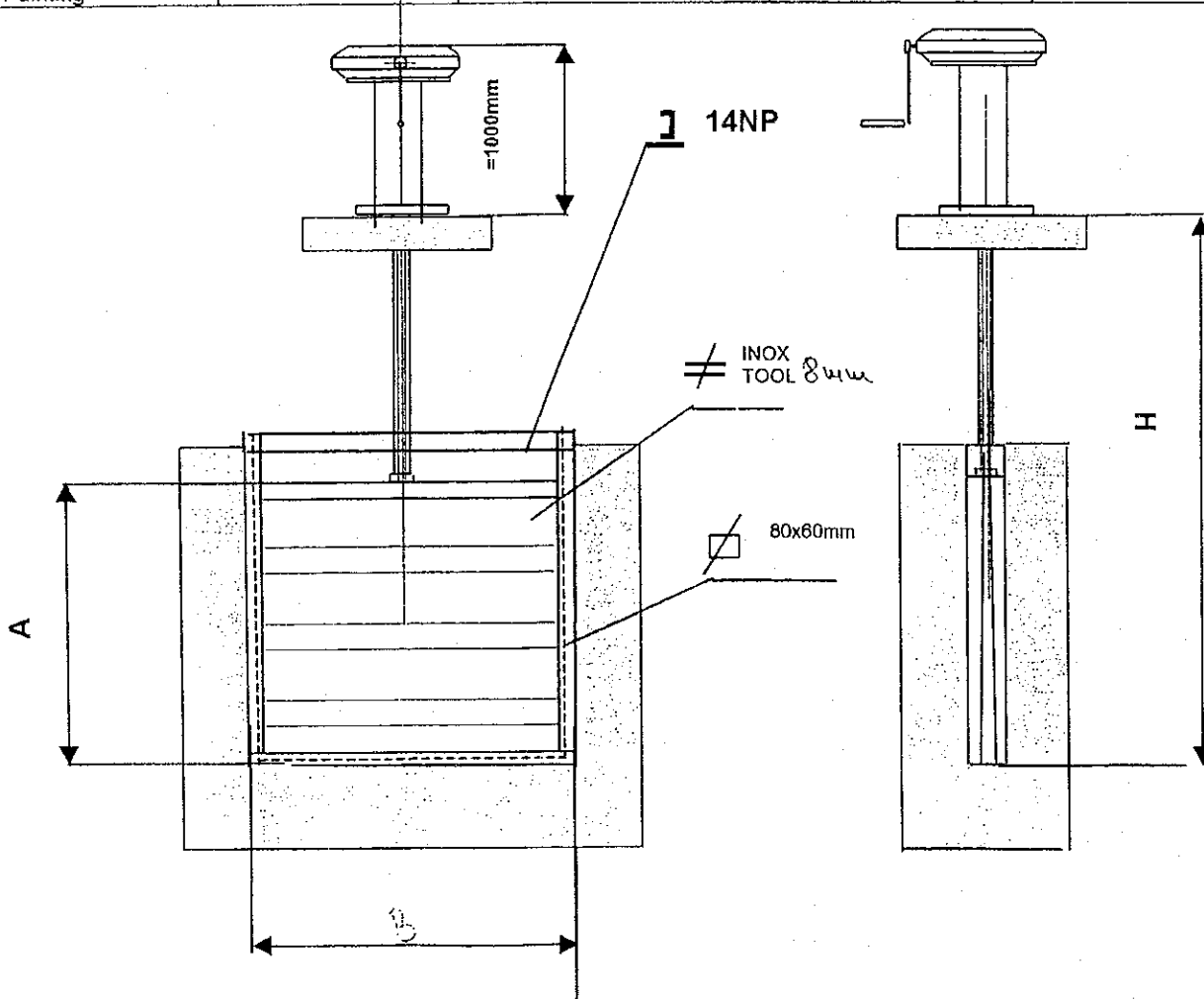
**SLUICE GATE WITH GEAR BOX AND MANUAL DRIVE**

**N°5.2.-A3**

Location:	Aeration chamber outlet		Date	09. 07. 1999	
Sluice gate type:	Sluice gate with manual drive		Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE	
Service:	Waste Water inlet in primery settler		Type:	GK 50	
Installation:	out door		No	X1	
Main drive	Manual by gear box	Closing torque	50mKp	Opening torque	14,2 mKp
Dimension AxB (mm)	2400 x 1400		Total Height H mm	~6500	
Material frame	carbon steel-zinc coated		Material plate	INOX steel	
Gasket	rubber		Screw shaft	INOX steel	

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	Very bad	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
Frame Corrosion	Yes 100%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	FOR CHANGE			
Painting	FOR REPAINTING			



**INSPECTION SHEET**

**SLUICE GATE WITH GEAR BOX AND MANUAL DRIVE**

**N°5.2.-B3**

Location:	Aeration chamber outlet		Date	09. 07. 1999	
Sluice gate type:	Sluice gate with manual drive		Manufacturer:	CONSTRUCTION HYDRAULIQUE LAURENT RAMUS FRANCE	
Service:	Waste Water inlet in primery settler		Type:	GK 50 X1	
			No	X1	
Installation:	out door		Duty:	temporary	
Main drive	Manual by gear box	Closing torque	50mKp	Opening torque	14,2 mKp
Dimension AxB (mm)	2400 x 1400		Total Height H mm	~6500	
Material frame	carbon steel-zinc coated		Material plate	INOX steel	
Gasket	rubber		Screw shaft	INOX steel	

**4. INSPECTION DATA**

	GATE		DRIVE	
	Present situation	Recommendation for reparation	Present situation	Recommendation for reparation
Figure	Wery bad	CLEANING, SAND BLASTING AND NEW CORROSION PROTECTION NEW GASKET	OK	CLEANING AND GREASING
FrameCorrosion	Yes 100%			
Plate Corrosion	NO			
Shafts	OK			
Manuel drive	IN FUNCTION			
Bearings	OK			
Gasket	FOR CHANGE			
Painting	FOR REPAINTING			

