

# شركة الزهراء للمقاولات الهندسية والتوريدات

## **EIZAHRAA FOR ENGINEERING CONTRACTING AND Supplying**

Project Name:

ProjQQQQQQQ

Client Name:

qq

Capacity:

qq



شركة الزهراء للمقاولات الهندسية والتوريدات

## **EIZAHRAA FOR ENGINEERING CONTRACTING AND Supplying**

No description provided.



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## 1. Manual Screen



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#### Sec01: General Data

Field	Value
Manufacturer	Factory
Quantity	1
Operation	Manual

### Sec02: Design Data

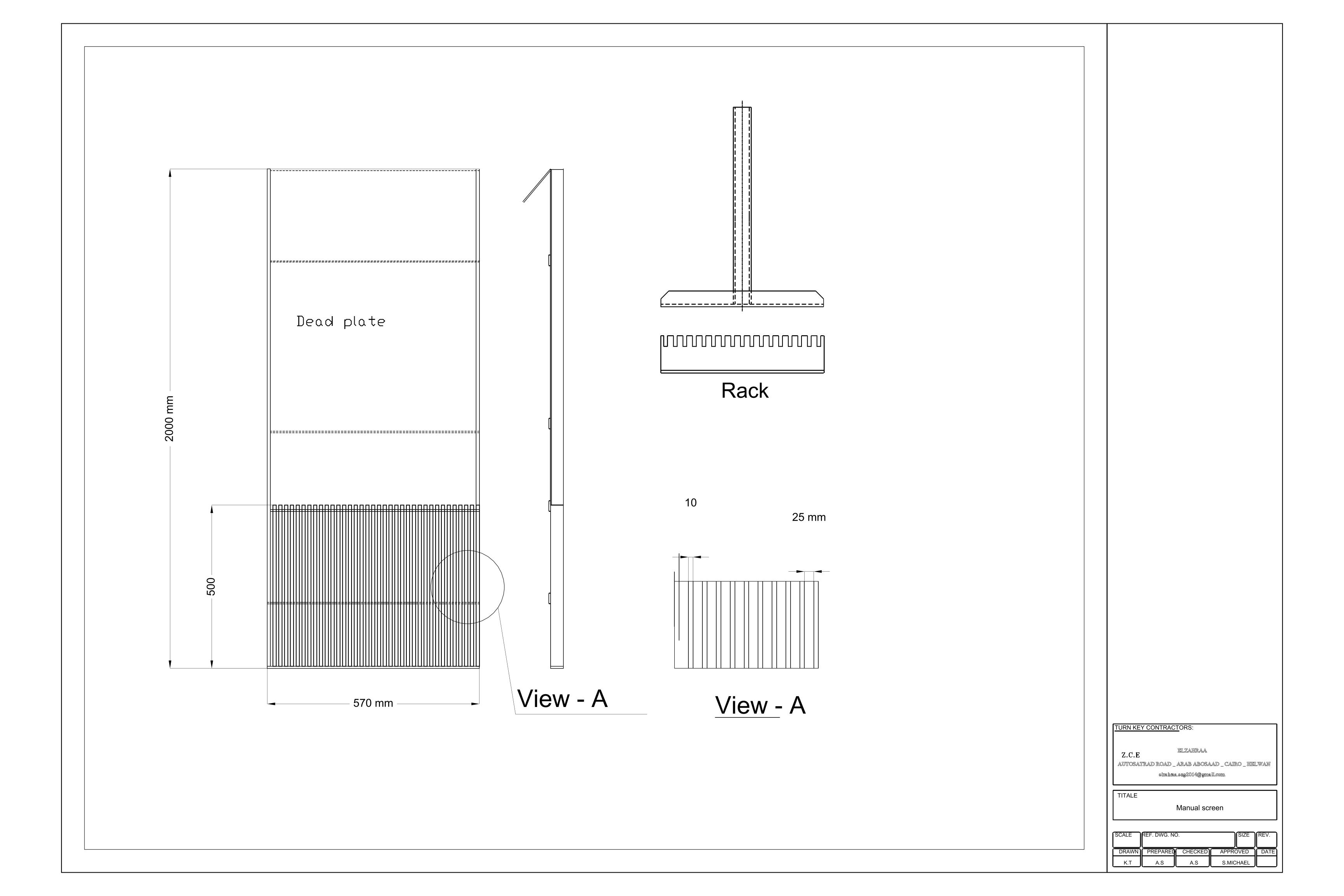
Field	Value
Flow	0.11 m3/s
Width	570 mm
Length	2000 mm
Hand rake	No. 2
Space between bar	25 mm
Bar Type	Rectangular
Bar section	10x30 mm
Inclination	45 Deg

#### Sec03: Material Data

Field	Value
Frame	AISI 316
Rake	AISI 316
Bar screen	AISI 316

#### Sec04: Channel Data

Field	Value
Channel Width	600 mm
Depth	1180 mm





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## 2. Gritremoval



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## **EIZAHRAA FOR ENGINEERING CONTRACTING AND Supplying**

#### Sec01: General Data

Field	Value
Manufacturer	Factory
Quantity	One bridge serve two channel
Function	Waste water
Installation location	Rectangle tank
Installation country	Egypt
Installation (indoor, outdoor)	outdoor
Continuous operation	yes
No. Of hours a day	24/24 h

### Sec02: Design Data

Field	Value
Total tank width	600 mm
Total tank length	7500 mm
Water depth	600 mm
Length of the bridge	2000 mm
Width of bridge	1000 mm
Qty of driving wheels / bridge	2
Qty of free wheels / bridge	2
Qty of drive gearbox / bridge	1
Admissible load on bridge / tank	500 kg / m2
Max. Allowable deflection / tank	1/500

## Sec03: Walkway, Handrail, Wheel Data

Field	Value
Walkway type	Grating



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Handrail Type tubular
Handrail Height 1000 mm
Wheel Diameter 300 mm
Wheel Width 90 mm

Wheel rail square bar 40x40mm

#### **Sec04: Scrapper Data**

Field	Value
Grease scrapper Thickness	6 mm
Height of the scrapper	300 mm
Fixation of sludge scrapper	by pipe suspenders
Rubber wearing strips cross section	12x100 mm
Scum ramp thickness	6mm

#### **Sec05: Gearmotor Data**

Field	Value
Gearbox Qty	1
Gearbox Trade mark	SEW
Model	SA57/T
Electric Motor Trade Mark	SEW
Rated Power	0.37 kW
Supply Voltage	380 V, 3 Phases, 50 Hz
Insulation	Class F
Temp Rise	Class B
Ingress Protection	IP65

## Sec06: Scrapper Data

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## **EIZAHRAA FOR ENGINEERING CONTRACTING AND Supplying**

Sand Scrapper Thickness 6 mm

Height of the scrapper 300 mm

Fixation of sludge scrapper by pipe suspenders

Rubber wearing strips cross section 12x100 mm

#### Sec07: Drive unit

Field	Value
Drive Unit Gearbox Qty	1
Drive Unit Trade Mark	SEW
Drive Unit Model	SA77/T
Electric Motor Trade Mark	SEW
Electric Motor Rated Power	0.18 kW
Insulation	Class F
Temp Rise	Class B
Ingress Protection	IP65

#### Sec08: Control panel Data

Field	Value
Local control panel	Electrostatic painting
Panel thicknesses	2 mm
Component	Schneider
Operation	Manual / Automatic timer switch

#### Sec09: Material Data

Field	Value
Material of Bridge	Hot deep galvanized steel
Scum ramp	AISI 304
Grease Scraper	AISI 304



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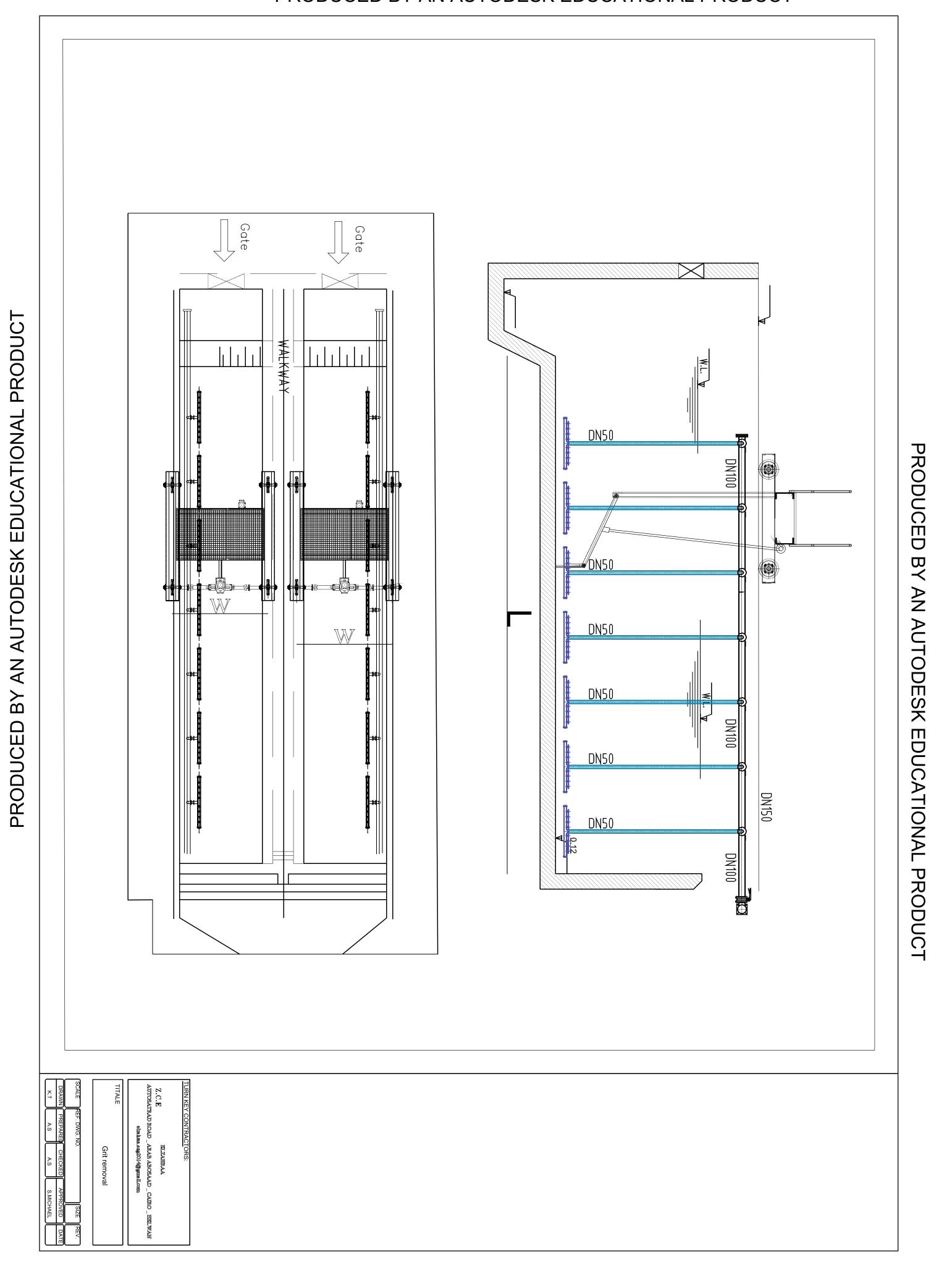
Sludge Scraper AISI 304

Bolts and nuts AISI 304 (A2)

Open mesh floor GRP or Hot deep galvanized steel

Wheel Carbon steel

Wheel Shaft Carbon steel



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## 3. Belt Conveyor



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#### Sec01: General Data

Field	Value
Manufacturer	Winkel
Quantity	1

### Sec02: Design Data

Field	Value
Width	800
Length	2000

#### Sec03: Gearbox Data

Field	Value
Trade Mark	SEW
Model	SA57T

#### Sec04: Motor Data

Field	Value
Trade Mark	SEW
Rated Power	0.37 kW
Supply Voltage	380 V, 3 Phases, 50 Hz
Insulation	Class F
Temp Rise	Class B
Ingress Protection	IP65

#### Sec05: Material Data

Field	Value
Frame	Hot deep galvanized steel



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## **EIZAHRAA FOR ENGINEERING CONTRACTING AND Supplying**

Roller Hot deep galvanized steel

Bolts & Nuts AISI 304 (A2)

Conveyor Rubber 10 mm (3Ply cotton/nylon)

