



# Z.C.E

*EIZAHRAA FOR ENGINEERING CONTRACTING AND Supplying*

شركة الزهراء  
للمقاولات الهندسية  
والتوريدات

Project Name:

TestingBB\_20\_36

Client Name:

q

Capacity:

q



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q



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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

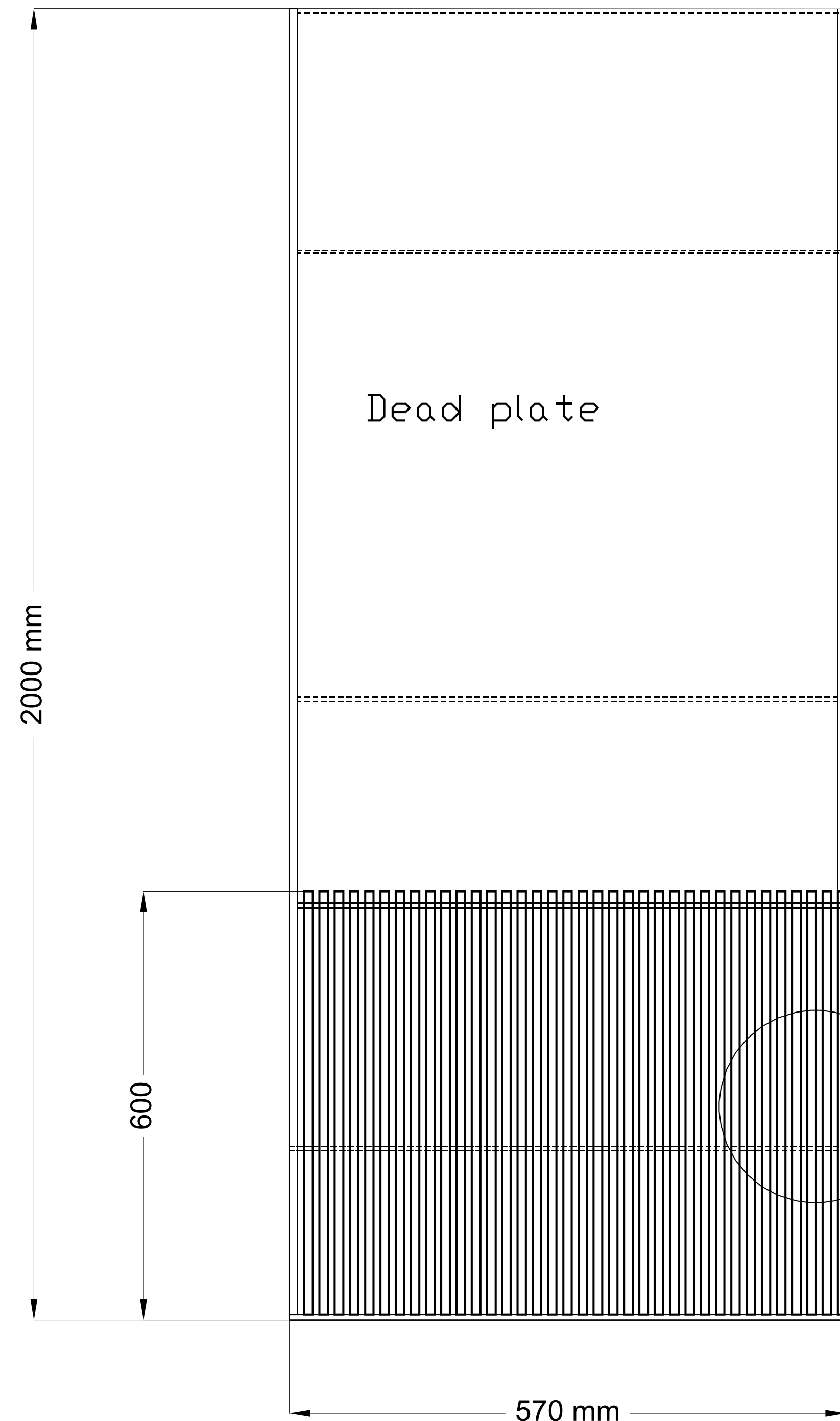
Field	Value
Flow	0.11 m3/s
Width	570 mm
Length	2000 mm
Hand rake	No. 2
Space between bar	25 mm
Bar Type	Rectangular
Bar section	10x30 mm
Inclination	45 Deg

## Sec03: Material Data

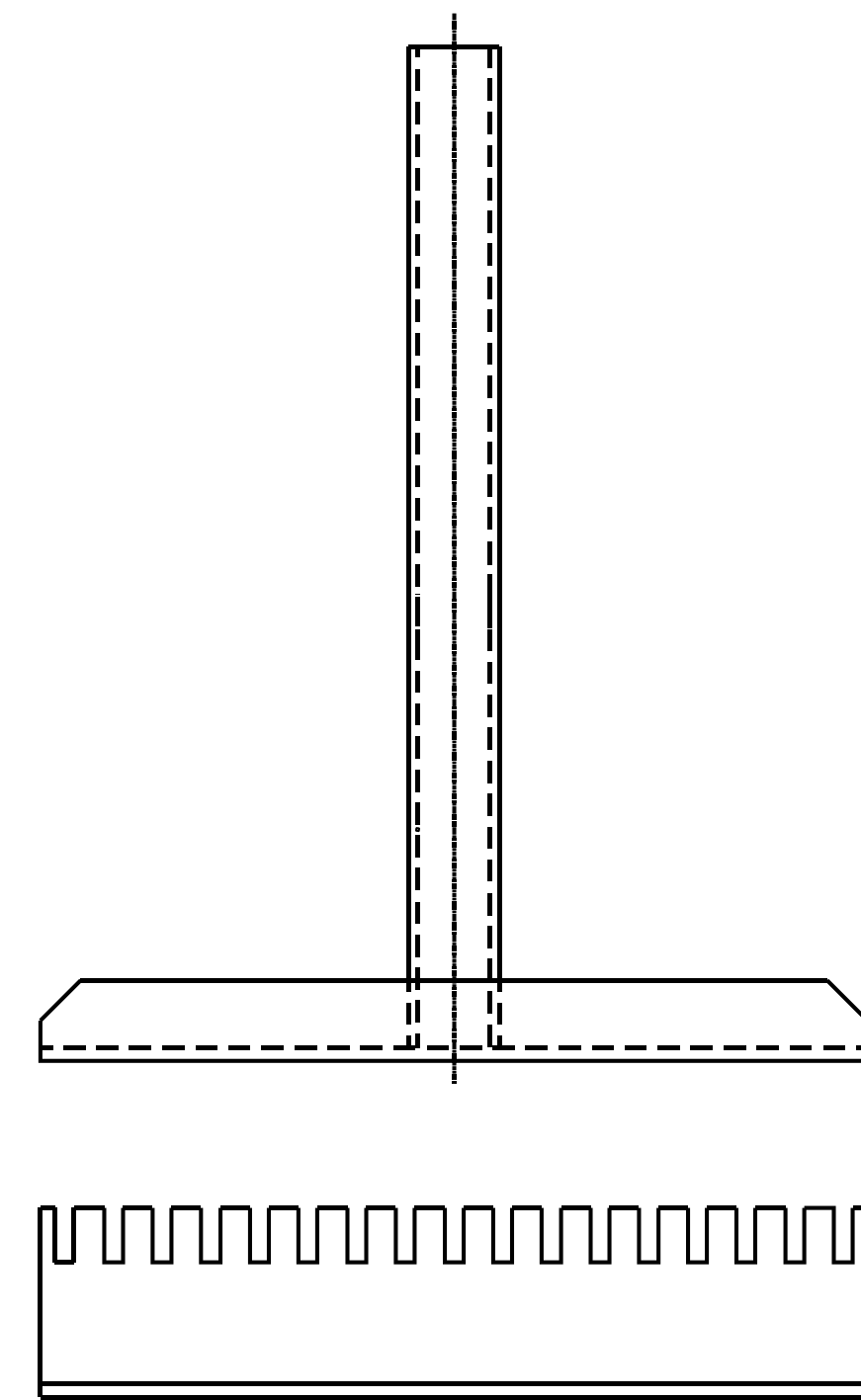
Field	Value
Frame	AISI 316
Rake	AISI 316
Bar screen	AISI 316

## Sec04: Channel Data

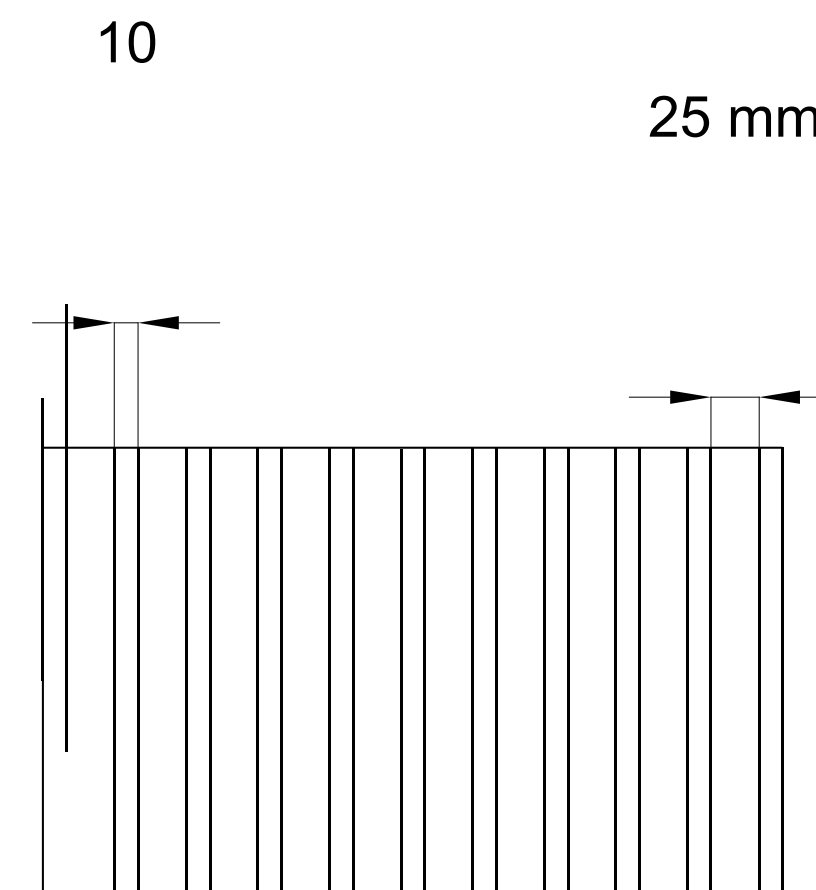
Field	Value
Channel Width	600 mm
Depth	1180 mm



View - A



Rack



View - A

TURN KEY CONTRACTORS:

Z.C.E ELZABRAA  
AUTOSATRAD ROAD \_ ARAB ABO SAAD \_ CAIRO \_ EGYPT  
elzabaraa.ssg2014@gmail.com

TITALE

Manual screen

SCALE	REF. DWG. NO.	SIZE	REV.
DRAWN	PREPARED	CHECKED	APPROVED
K.T	A.S	A.S	S.MICHAEL



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## 2. 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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Roller

Hot deep galvanized steel

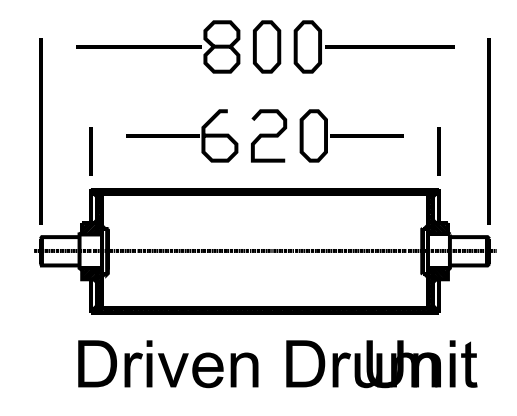
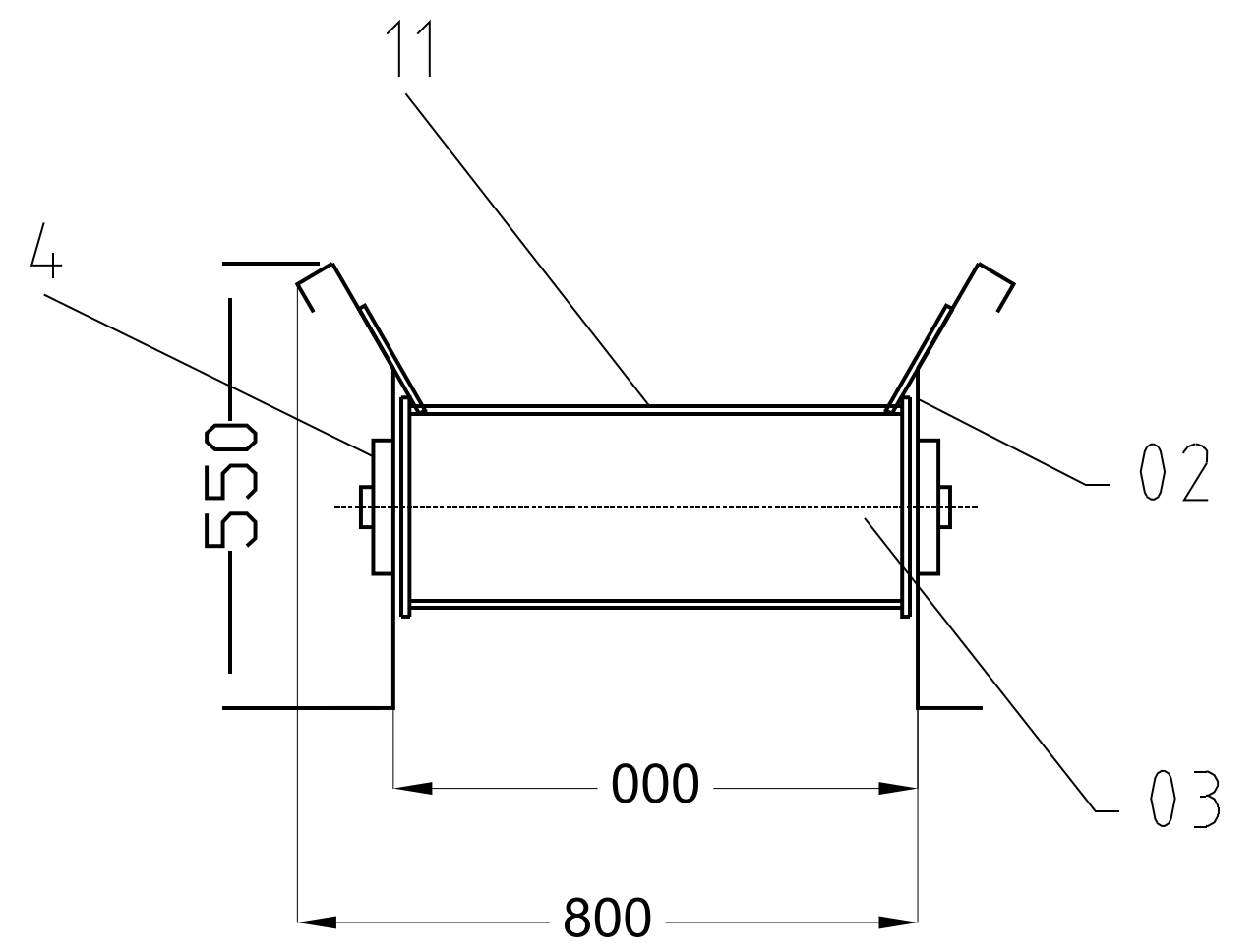
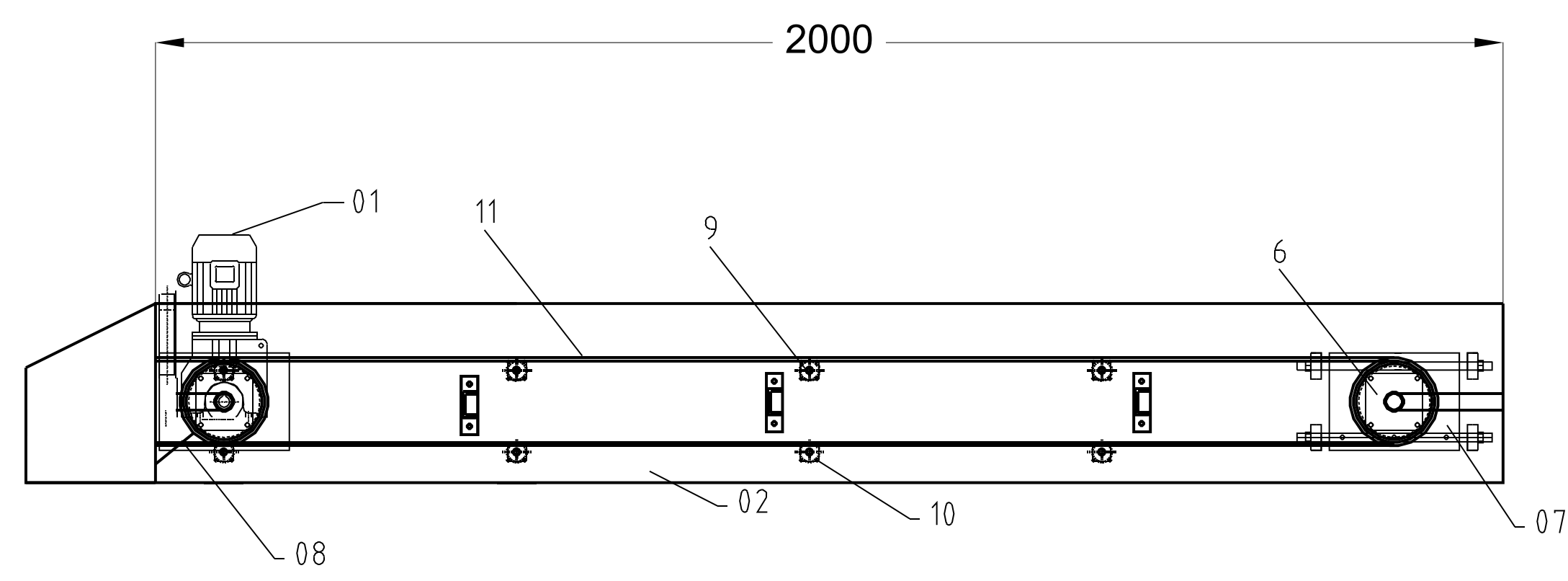
Bolts & Nuts

AISI 304 (A2)

Conveyor

Rubber 10 mm (3Ply cotton/nylon)





TURN KEY CONTRACTORS:

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TITALE

Belt conveyor

SCALE	REF. DWG. NO.	SIZE	REV.
DRAWN	PREPARED	CHECKED	APPROVED
K.T	A.S	A.S	S.MICHAEL



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## 3. Mechanical Screen



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## Sec01: General Data

Field	Value
Manufacturer	Factory
Quantity	1

## Sec02: Design Data

Field	Value
Type	Multi tack
Flow	0.11 m3/sec
No. of Rake	3
Width	580 mm
Length	3000 mm
Dead plate	4 mm
Space between bars	25 mm
Bar Type	Rectangular
Bar section	10x20 mm
Inclination	75 Deg

## Sec03: Gearmotor Data

Field	Value
Gearbox Trade mark	SEW
Model	SA77/T
Electric Motor Trade Mark	SEW
Rated Power	0.18 kW
Supply Voltage	380 V, 3 Phases, 50 Hz
Insulation	Class F
Temp Rise	Class B



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Ingress Protection

IP65

## Sec04: Control panel Data

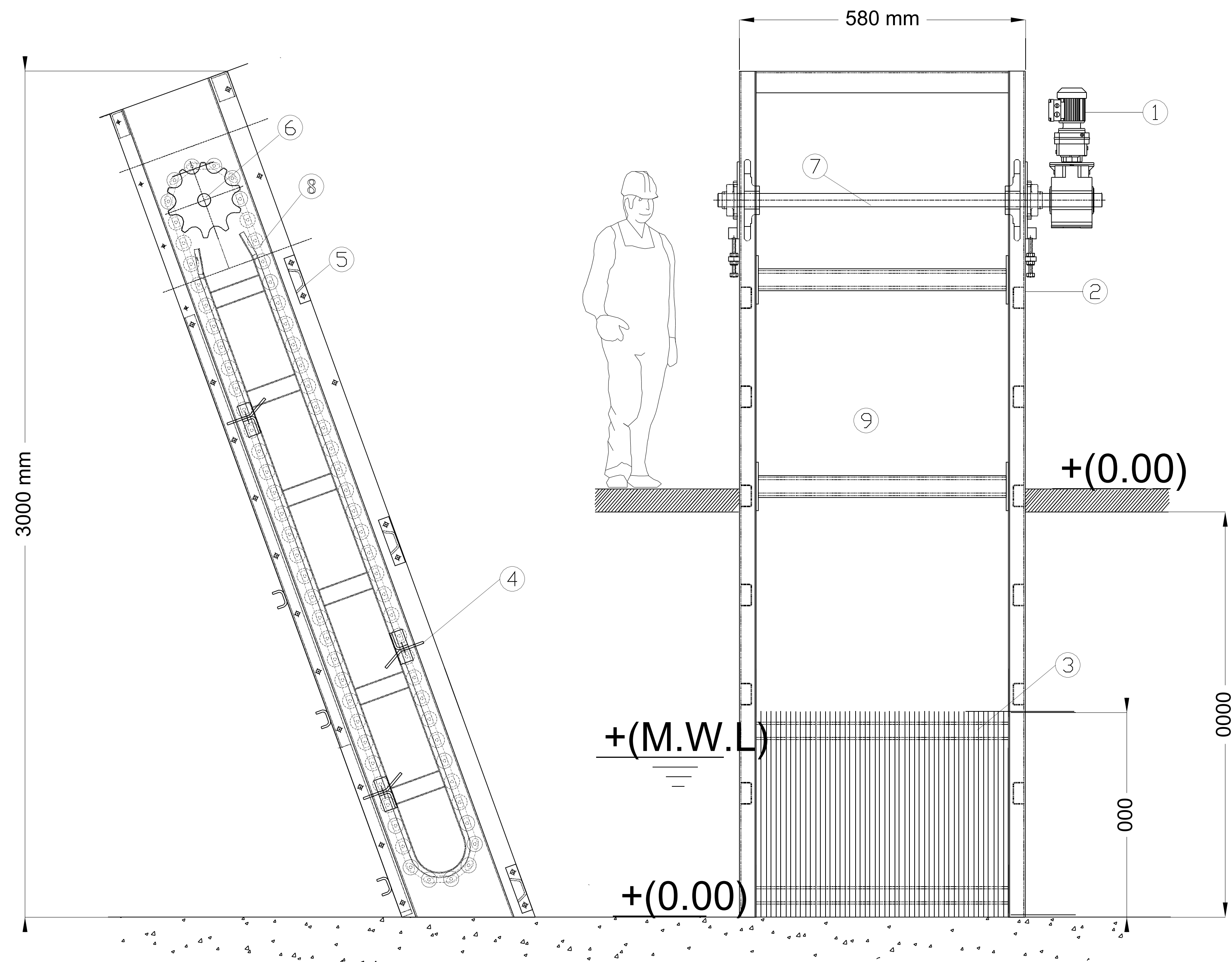
Field	Value
Local control panel	Electrostatic painting
Panel thicknesses	2 mm
Protection	IP 54
Component	Schneider
Operation	Manual / Automatic timer switch

## Sec05: Material Data

Field	Value
Material of Frame & Guide	AISI 316
Dead plate	AISI 316
Rake	AISI 316
Bar screen	AISI 316
Sprocket	AISI 316
Motorize shaft	AISI 316
Bolts & Nuts	AISI 316 (A4)

## Sec06: Other Data

Field	Value
Channel Width	600 mm
Channel Depth	1180 mm



TURN KEY CONTRACTORS:

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TITALE

Mechanical screen

SCALE	REF. DWG. NO.	SIZE	REV.
DRAWN	PREPARED	CHECKED	APPROVED
K.T	A.S	A.S	S.MICHAEL