HAZAL HZL GÜVENLİK

HYDRAULIC RISING BOLLARD

USER GUIDE

www.hazalguvenlik.net

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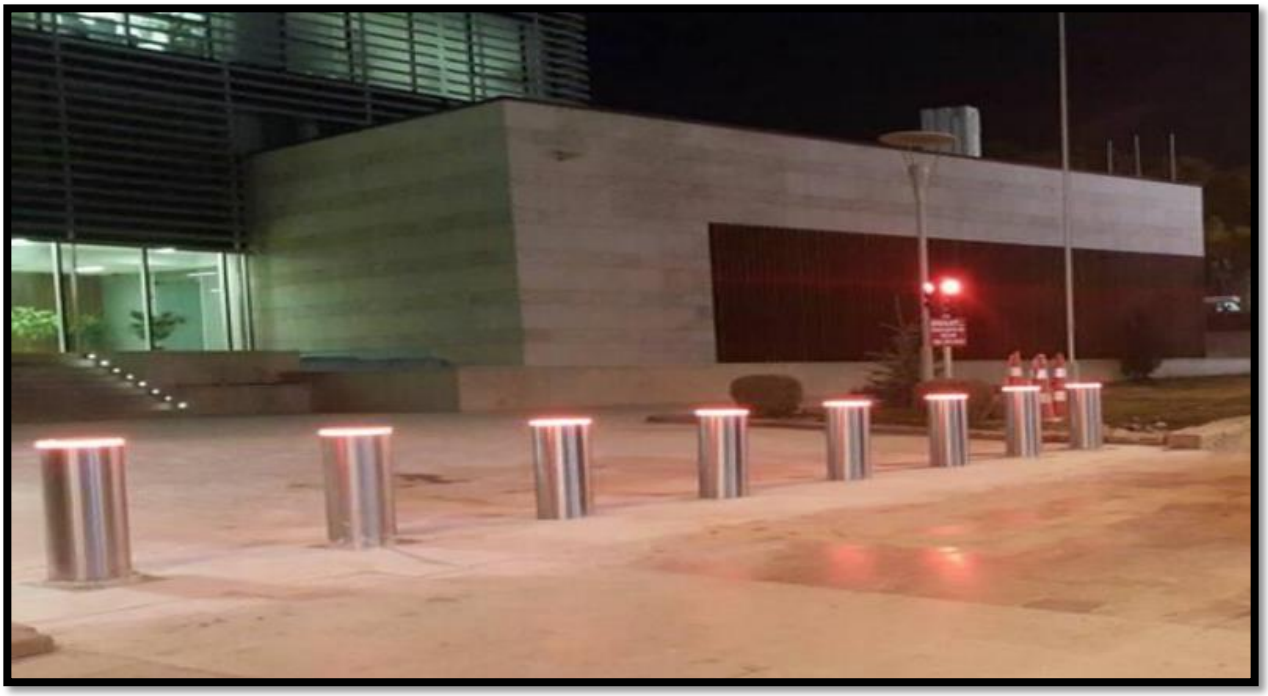
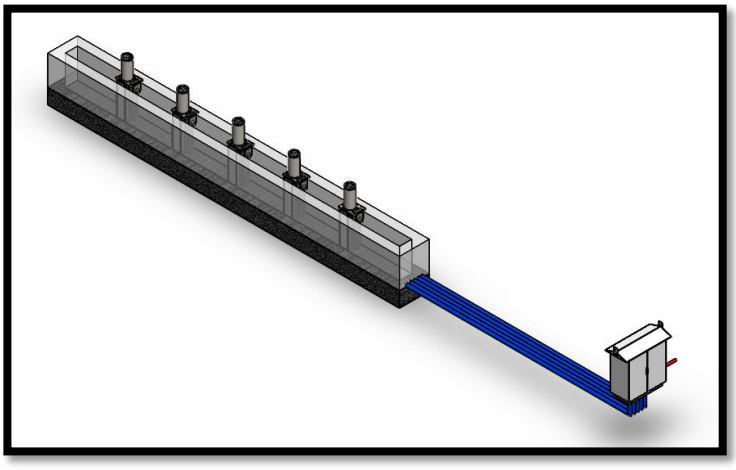
1. Introduction - Description



Our company has had superior experience in SECURITY ROAD BARRIER and DOOR SYSTEMS and is Turkey's first R&D company. Hazal Security Telescopic Roadblocker is a Telescopic Roadblocker that provides reliable and effective solutions for vehicle access control with its powerful hydraulic unit. It can be installed in places where there is heavy vehicle and pedestrian traffic, suitable for working in high circulation, and suitable for ensuring safety. This tool door can be used to protect against all attacks. Hazal Security Systems, with its continuously developing robust design, provides complete protection in sensitive areas that require high security.



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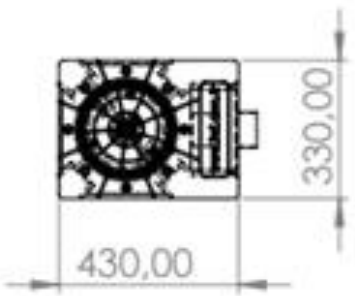
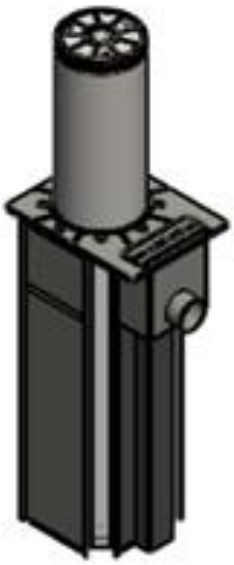
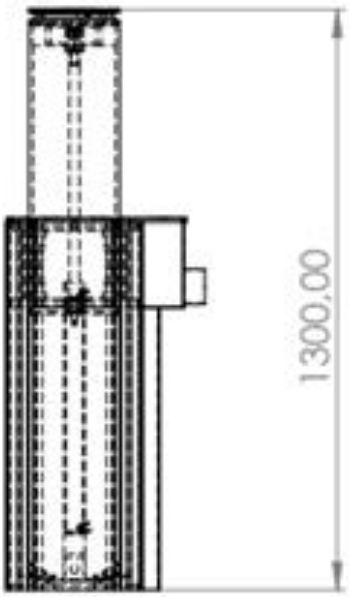
2. Technical Specifications-1

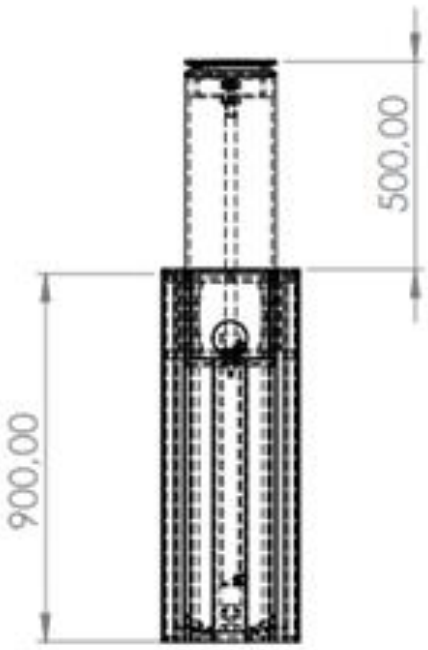
FEATURES	
DRIVE	Hiydraulic
DRIVE POWER	Min 10 Bars / Max 120 Bars
CYLINDER RADIUS	220 mm
OBSTACLE HEIGHT	500 mm
CYLIDER WIDTH	10 mm
BEARING	Aluminum
COATING MATERIAL	Steel – 2 mm 304 Staınless Steel
RISING / FALLING TIME	4 Sec / 6 Sec
POWER SUPPLY	380 VAC / 50-60 Hz.
CONSUMPTION	1,5 KW
PROTECTION CLASS	IP 65
CONTROL PANEL	PLC,Programmeable for Integration With Various Systems
RESİSTANCE	40.000 Joules
OPERATION TEMPERATURES	+ 70 °C / - 15 °C
WORKING FREQUENCY	Heavy Duty With 8000 / Day Move Movement
MANUAL OPERATION	Ascenting and Descendding with Manual Hand Pump
OPERATION	Compatible With any king of Standart Interface , Button (standard)
	Remote Control , RFID , Camera , Proximty Card (optional)
HYDRAULIC OIL	No 46
HYDRAULIC PİPES	18/1,5 Rekor - 3/8 Çap, 350 Bar Max Pressure , 10 mt Pipe Length
BOLLARDS PER UNIT	Max 5 Adet
CERTIFICATION	CE , ISO 9001 : 2008

2. Technical Specifications-2

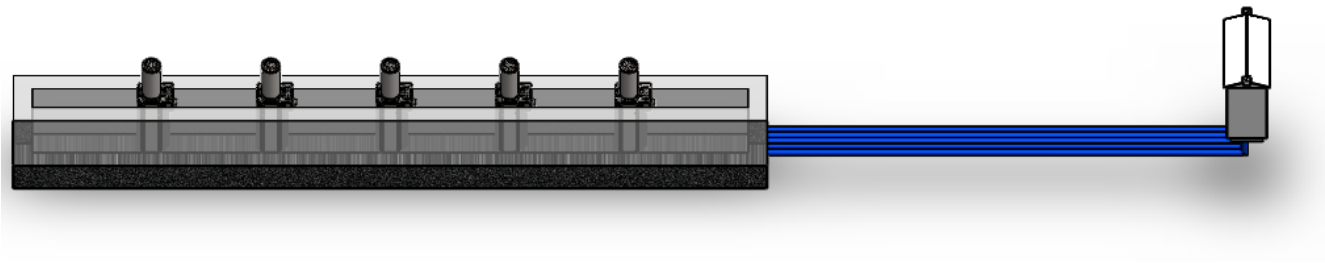






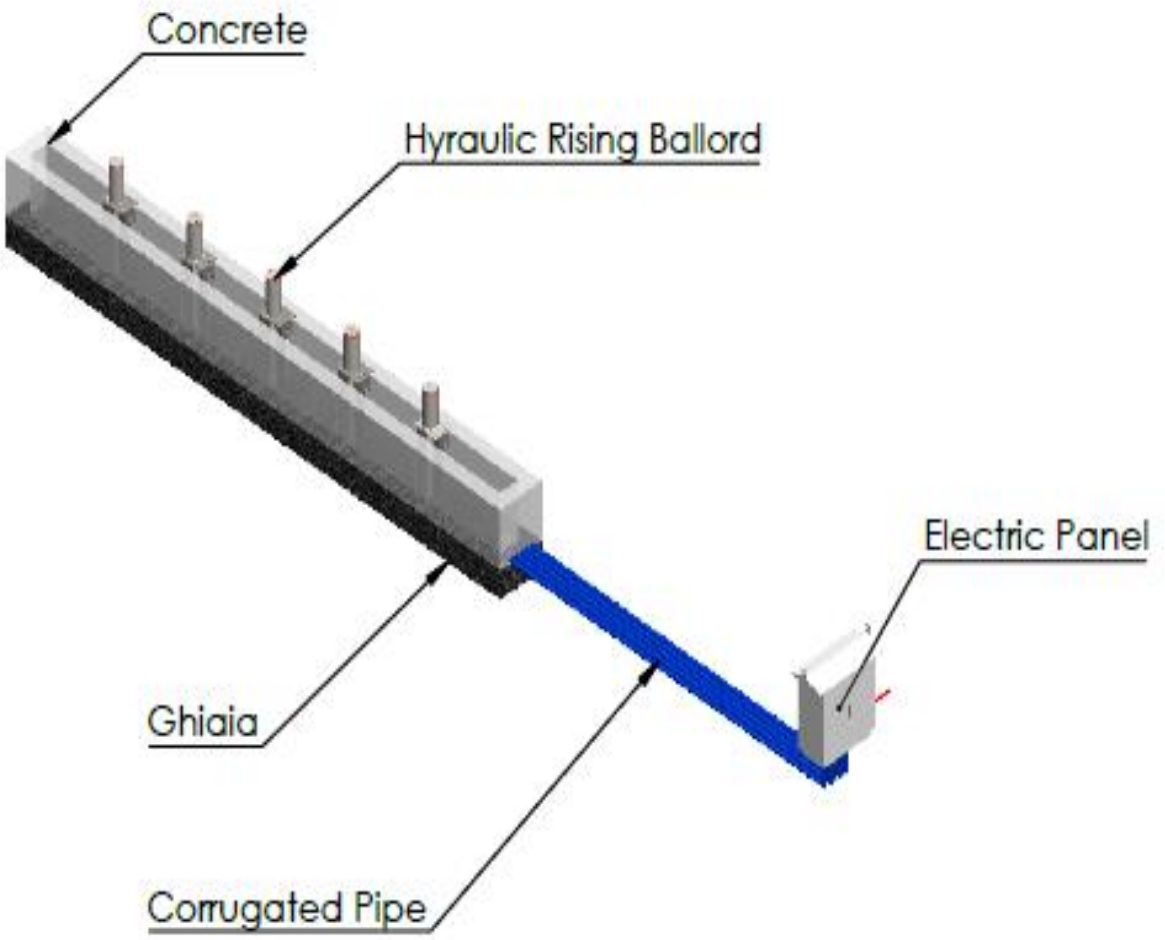


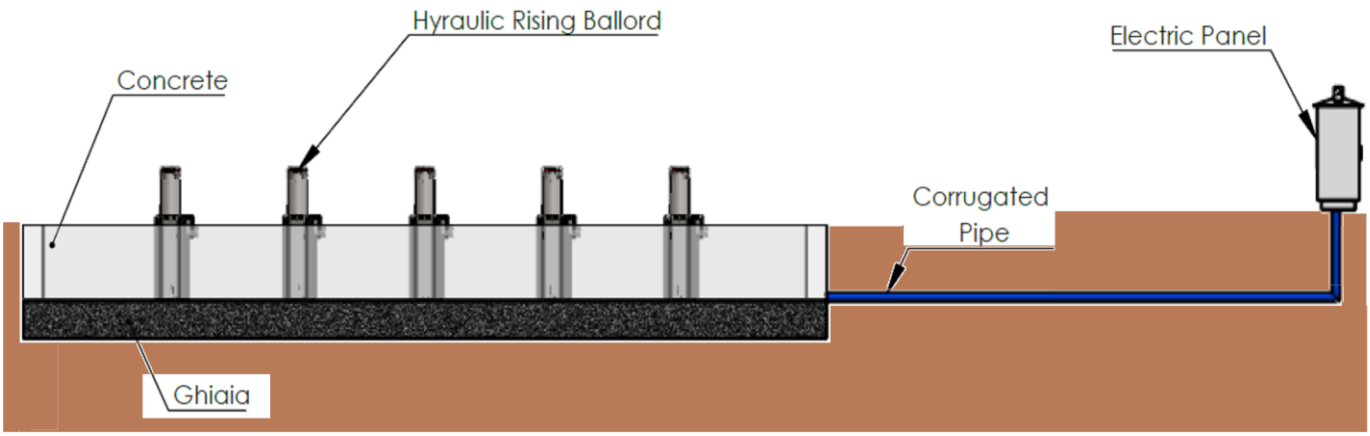
3. Considerations Before Installation



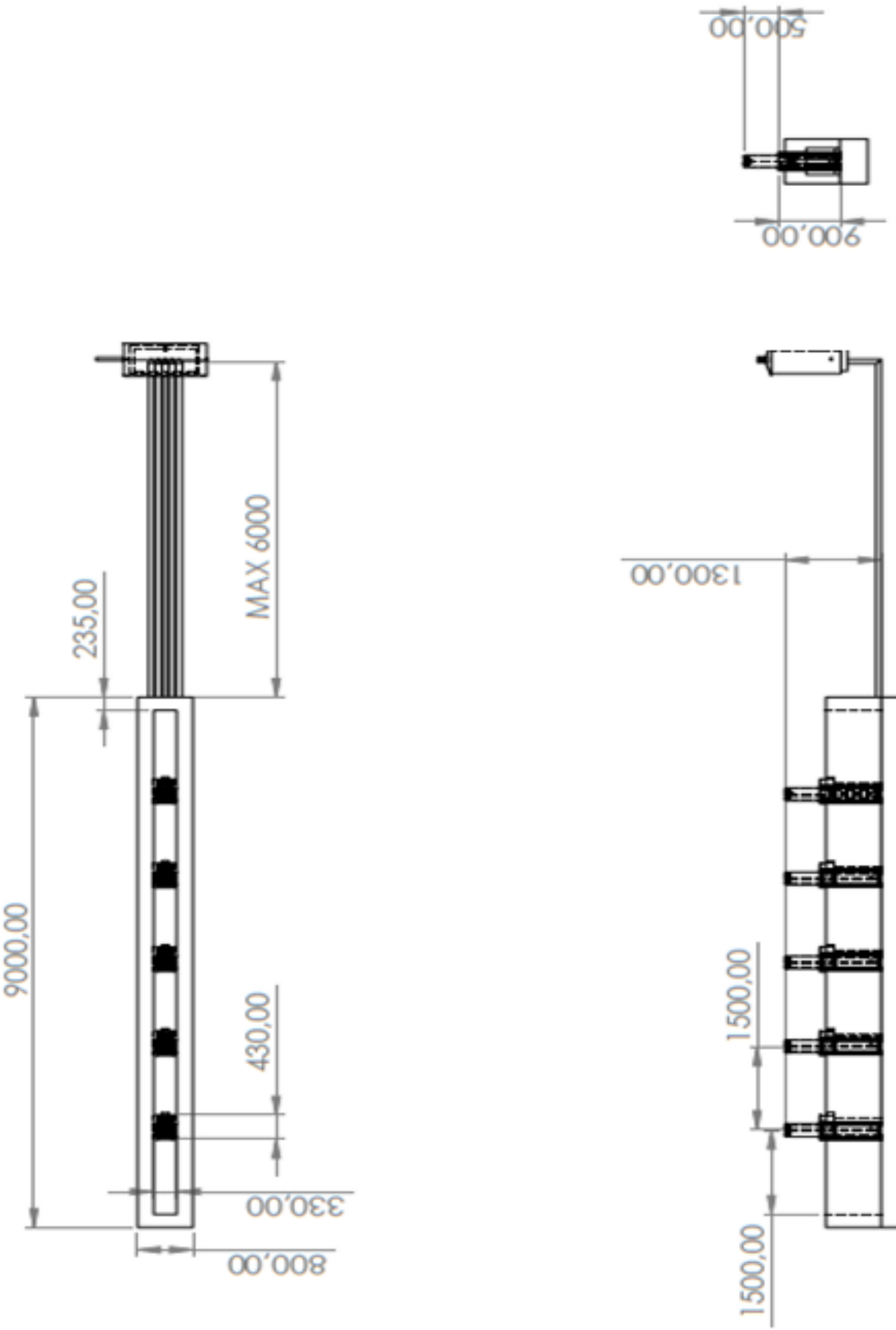
1. Please read the recommendations first to the installation.
2. Installation should not be done in accordance with the manual. We are not responsible for the mistakes that will arise, not the things that are not designed in the manual.
3. Necessary safety precautions should be taken before starting the installation.
4. Before the infrastructure project, the ground survey report should be examined and the excavation works are in this direction.
5. Under the ground to be excavated; Natural Gas Pipeline, Power Line, Water Line, Waste Water Pipeline, Telecom and Data Lines. In particular, the ground should be clean and suitable for digging.

4. Preparation of Infrastructure-1

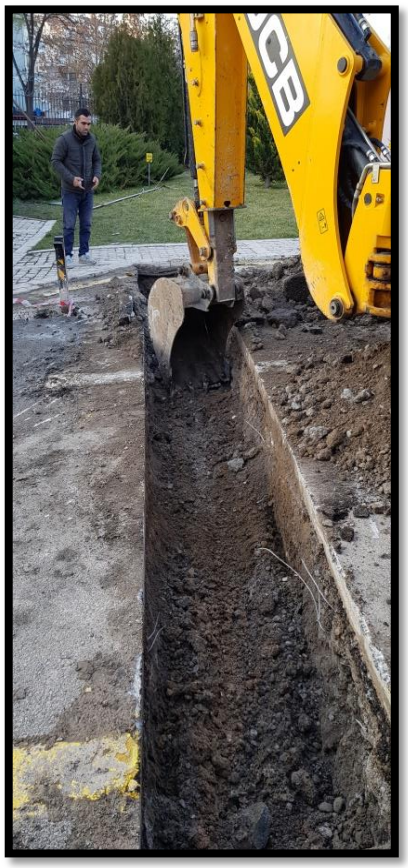




4. Preparation of Infrastructure-2

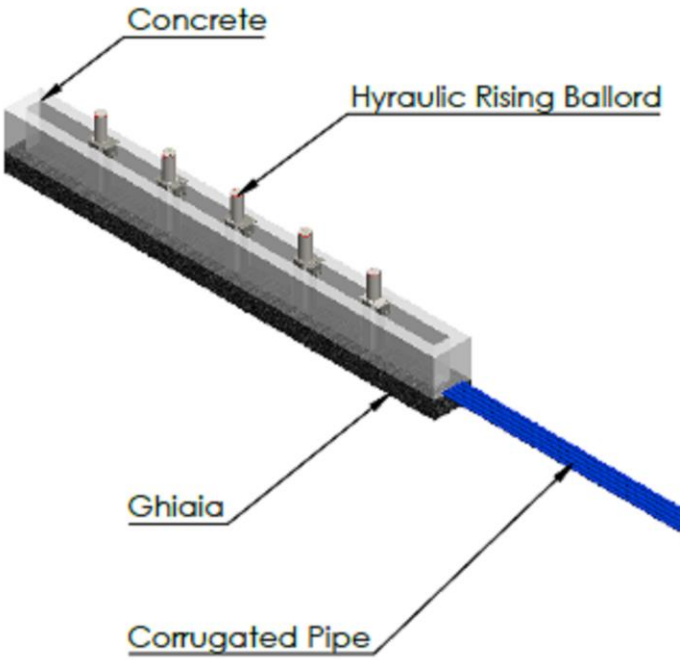


4. Preparation of Infrastructure-2

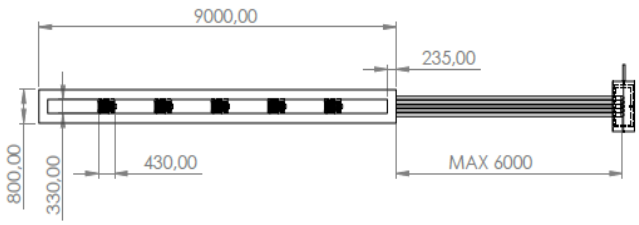


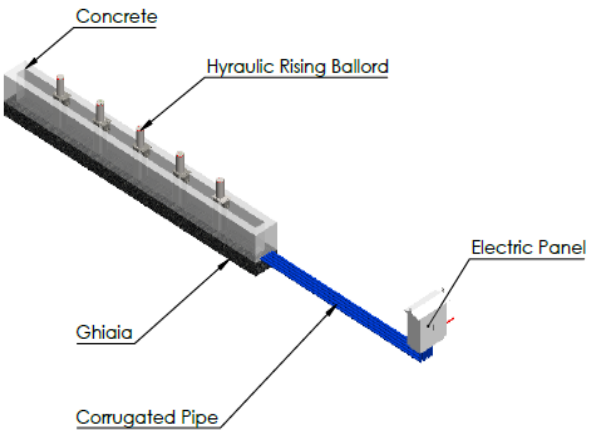
5. System Setup-1

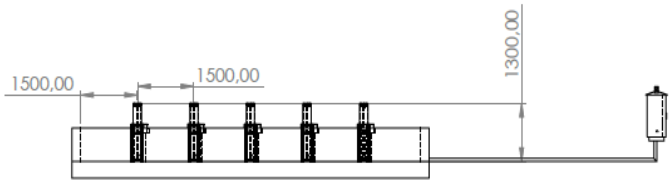
1. Concrete Pool should be prepared in C35 standard

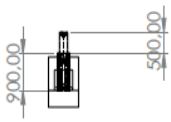


2. Underground Corrugated Pipe 1 x 75' should be pulled for hydraulic





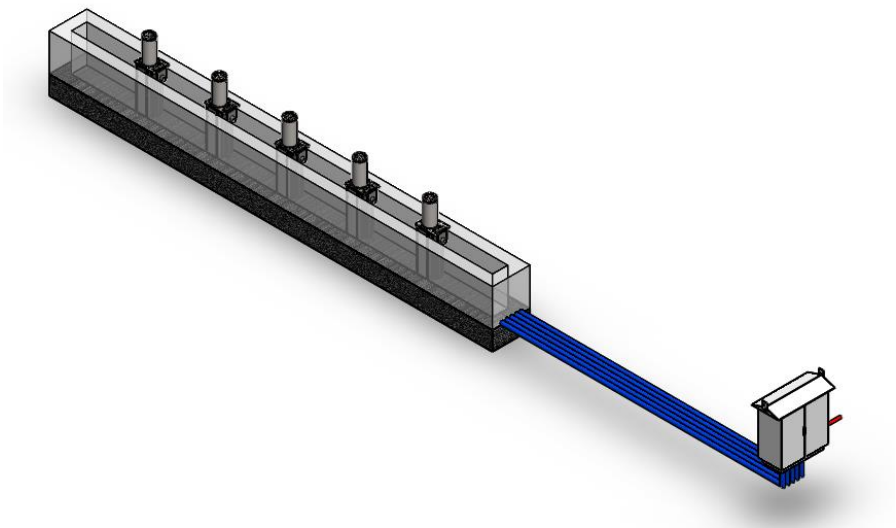


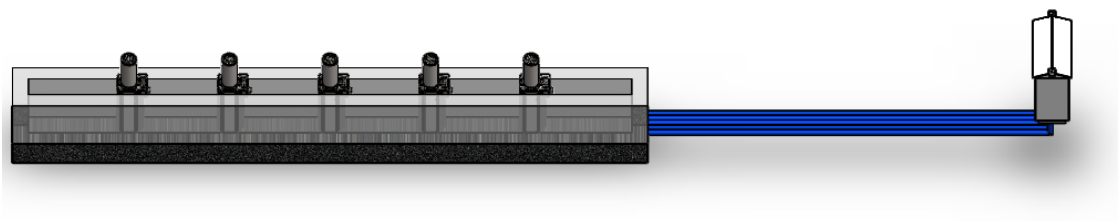


5. System Setup-2

7. Hydraulic pipes must be connected to the panel (indicated in Blue)

- Hydraulic unit cabin bottom anchor placement and leveling Hydraulic hoses will be removed from the anchor
- The anchor will be filled with concrete and waited for the appropriate time.
- The cabin will be fixed on the anchor from the mounting points.

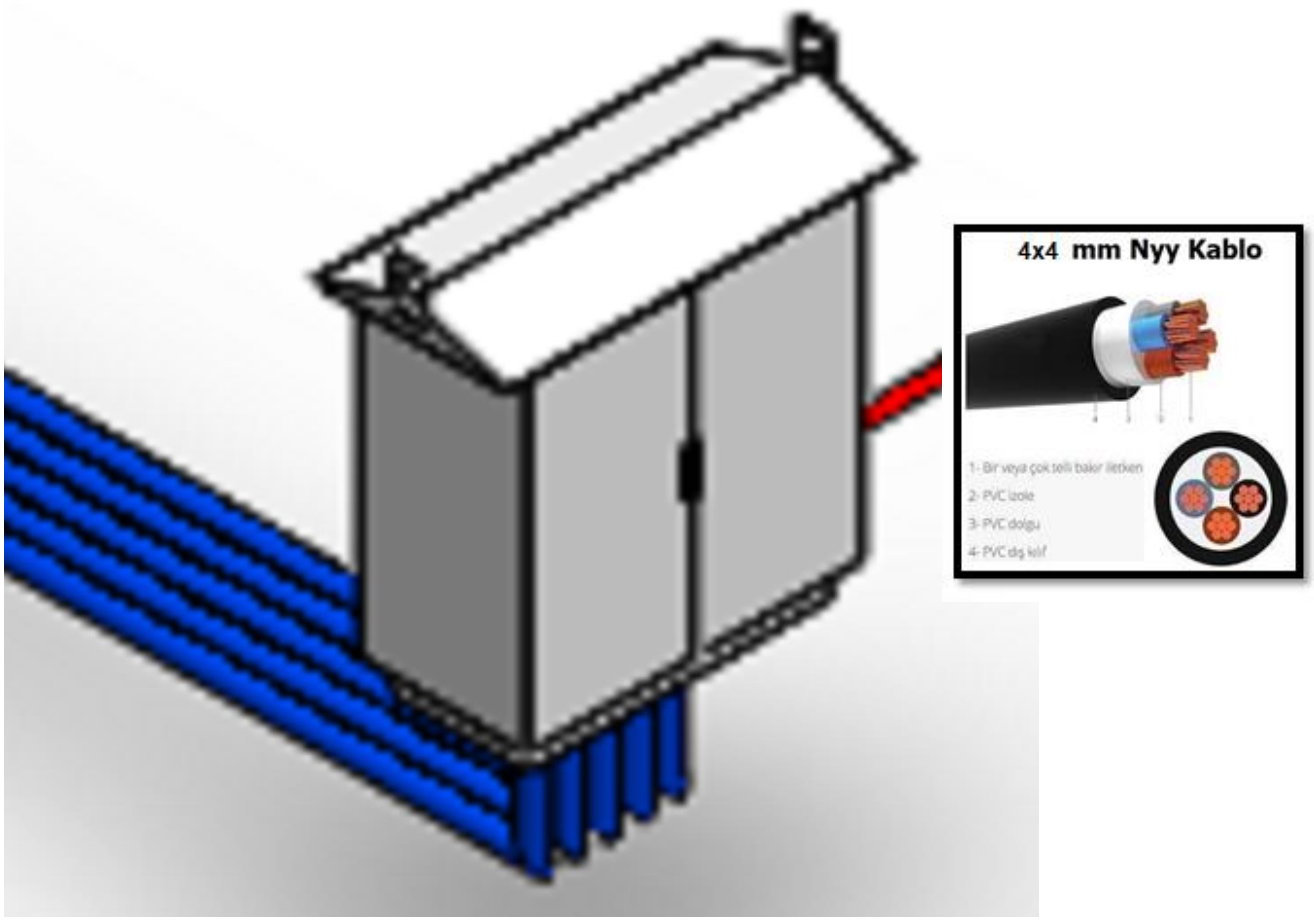




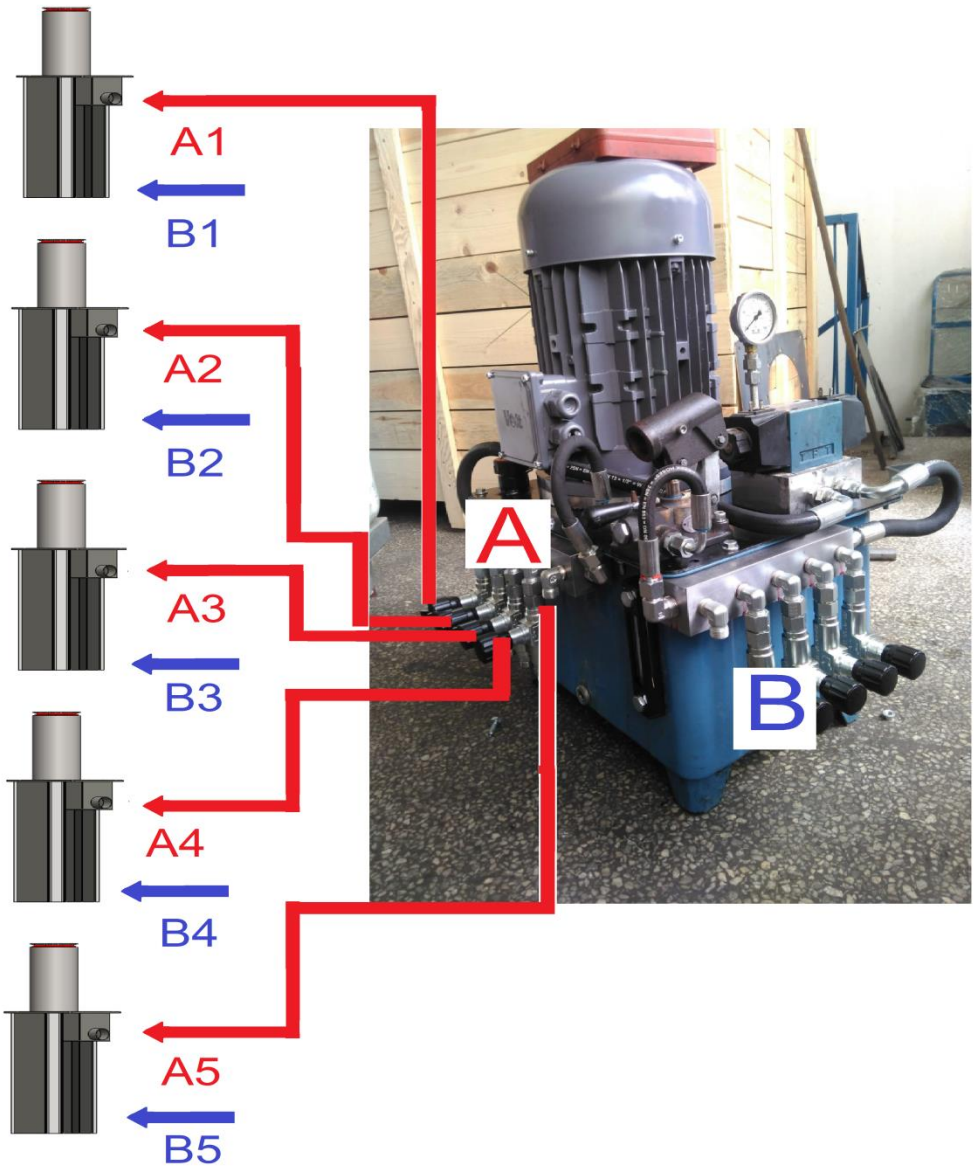
5. System Setup-3

8. Hydraulic and Electronic power unit will be placed

- It will be fixed to the clipboard bottom point
- Hydraulic hoses will be attached (to the hydraulic media front outlet union with the red cap (to the flow divider in the ramp barrier of 4 meters or more) and to the side outlet fitting of the blue capped hydraulic hose)
- 380 v (4x4 mm Nyy Cable) energy and accessory connections will be made (make sure that the fuses are in the closed position)
- The motor energy cable will be connected (make sure that the fuses are in the off position)



6. Hydraulic Unit Installation-1

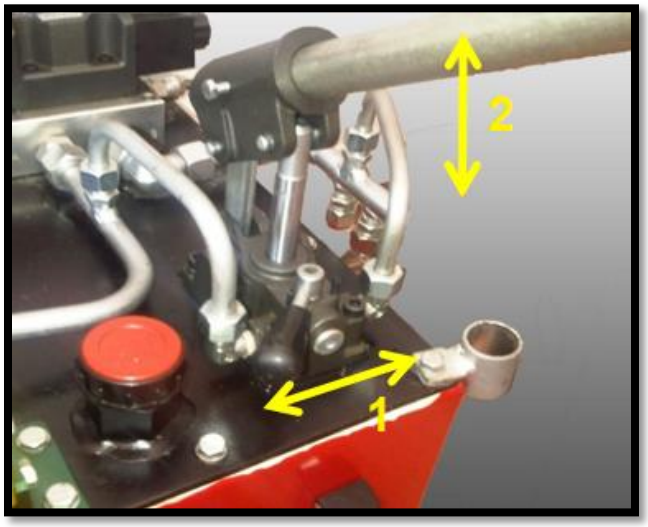


- Hydraulic oil to be filled
- Up to the appropriate level point on the gauge

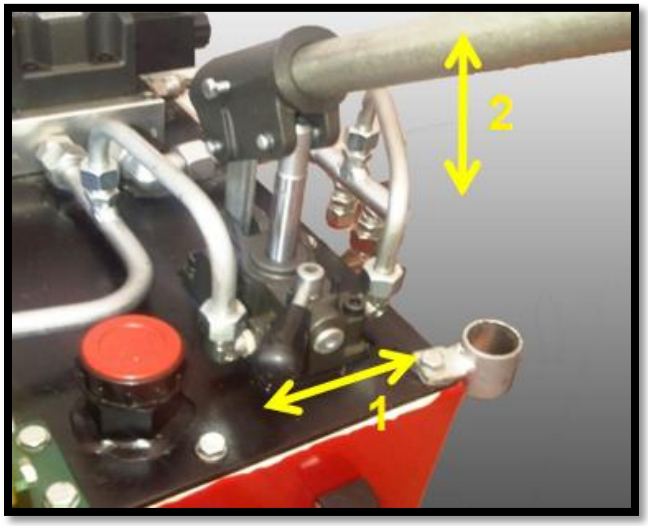
6. Hydraulic Unit Installation-2

- MANUAL OPERATION
- HAND PISTON BLOCKER AUTOMATIC

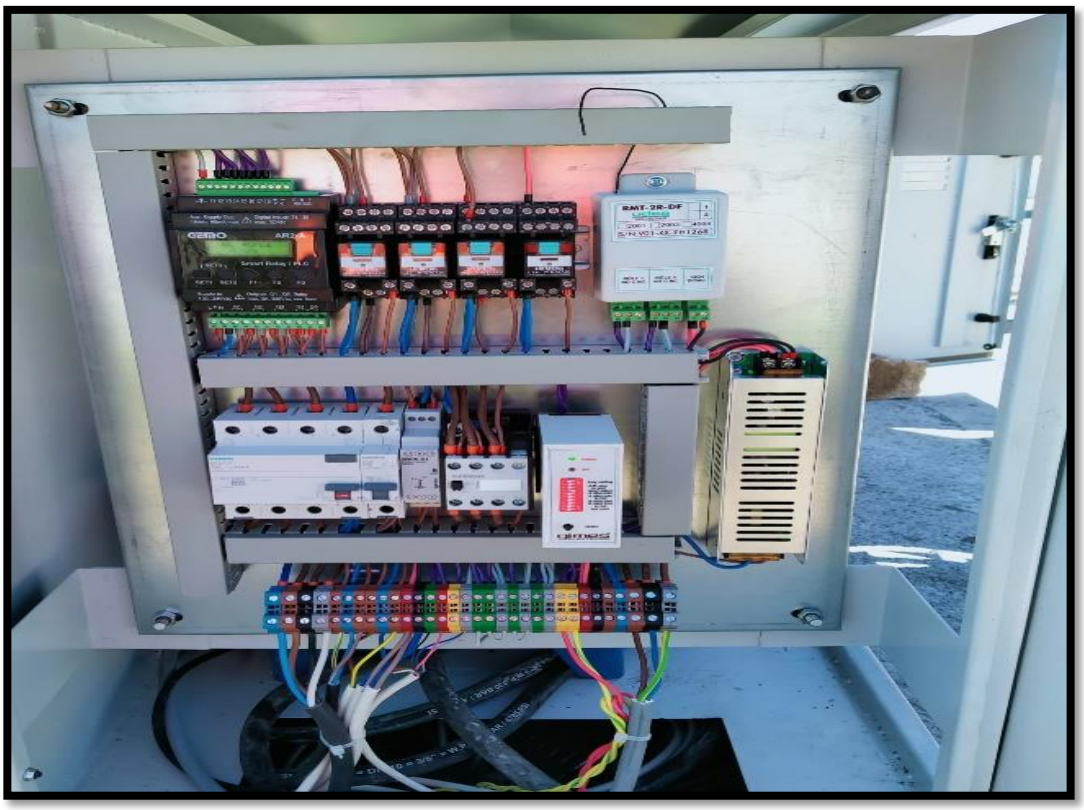
- HAND PISTON LIFT THE BLOCKER UP



- HAND PISTON LOWERS THE BLOCKER DOWN



7.Electronic (PLC) Unit Installation-1



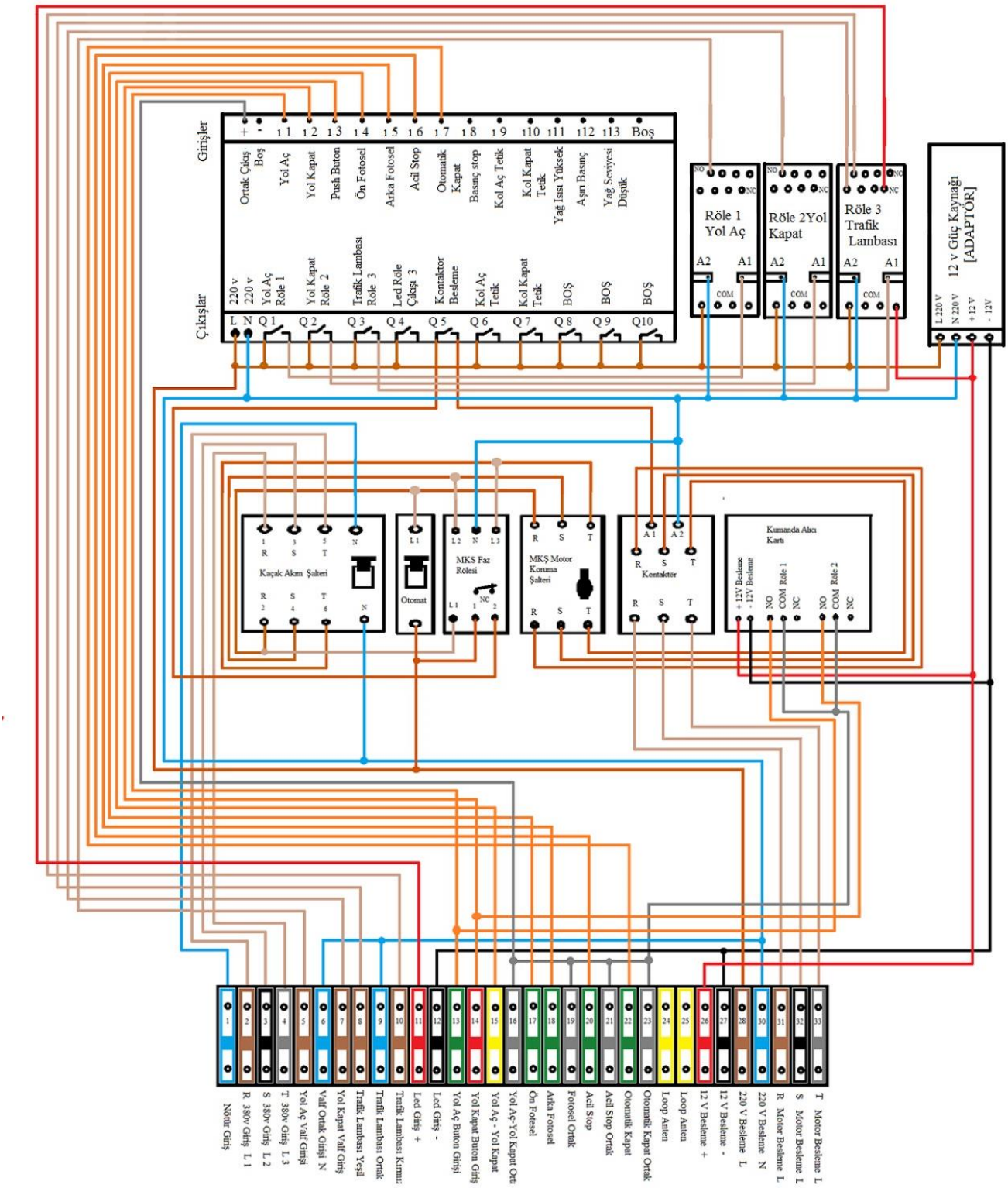
COMMISSIONING

Internal panel connections will be made (supply 380 v, motor, coil, control systems and accessories if any)

- Insurance will open Phase relay to be checked
- The system will be operated (button, remote control, etc.)
- Motor direction will be controlled (clockwise rotation)
- Coil directions will be controlled (lowering and lifting directions)
- If there are accessories, it will be checked that they are working correctly (traffic light)
- The pressure of the system will be adjusted and the appropriate pressure will be determined (max: 80 bar operation)
- Hydraulic hose connection points will be checked for possible leaks.
- Manual hand pump to be tested
- The cover sheet will be closed
- Necessary final checks will be made and the unit panel will be closed.

7.Electronic (PLC) Unit Installation-2

6. Electronic Circuit Diagram



8. Optional Accessories

LOOP SENSOR

- Automatic exit.
- Security sensor.
- button, card reader, ogs License plate recognition etc. to activate.

PHOTOCELL

- Security sensor.
- Normally closed contact works.

TRAFFIC LIGHT and LED

- The green light is on below the door.
- The red light is on above the door.
- Lights can be programmed upon request.

REMOTE CONTROLLER

- It is used to command the door up and down inputs.

SIREN

Gives a warning when the door is in motion