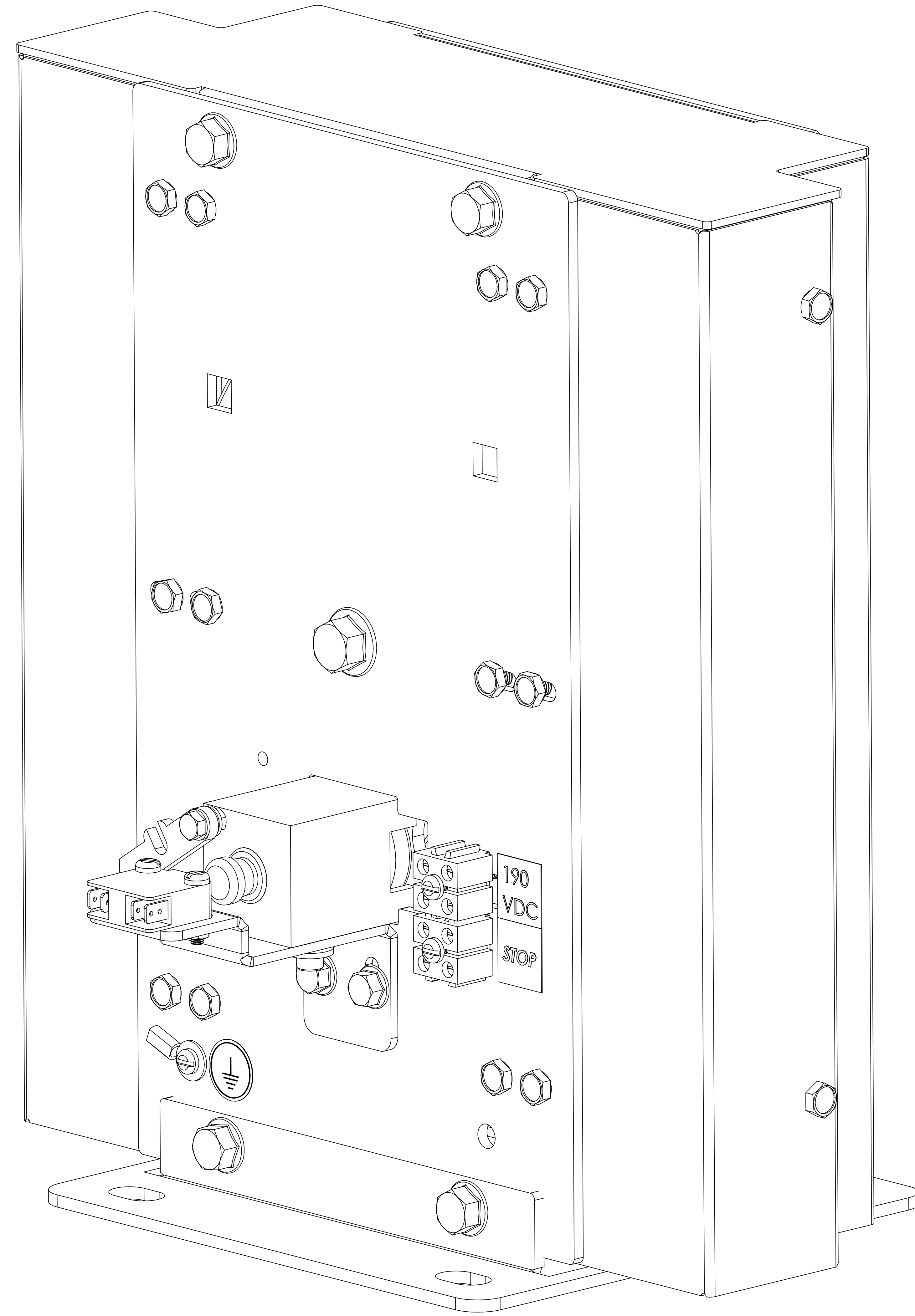


# ÖZBEŞLER ASANSÖR

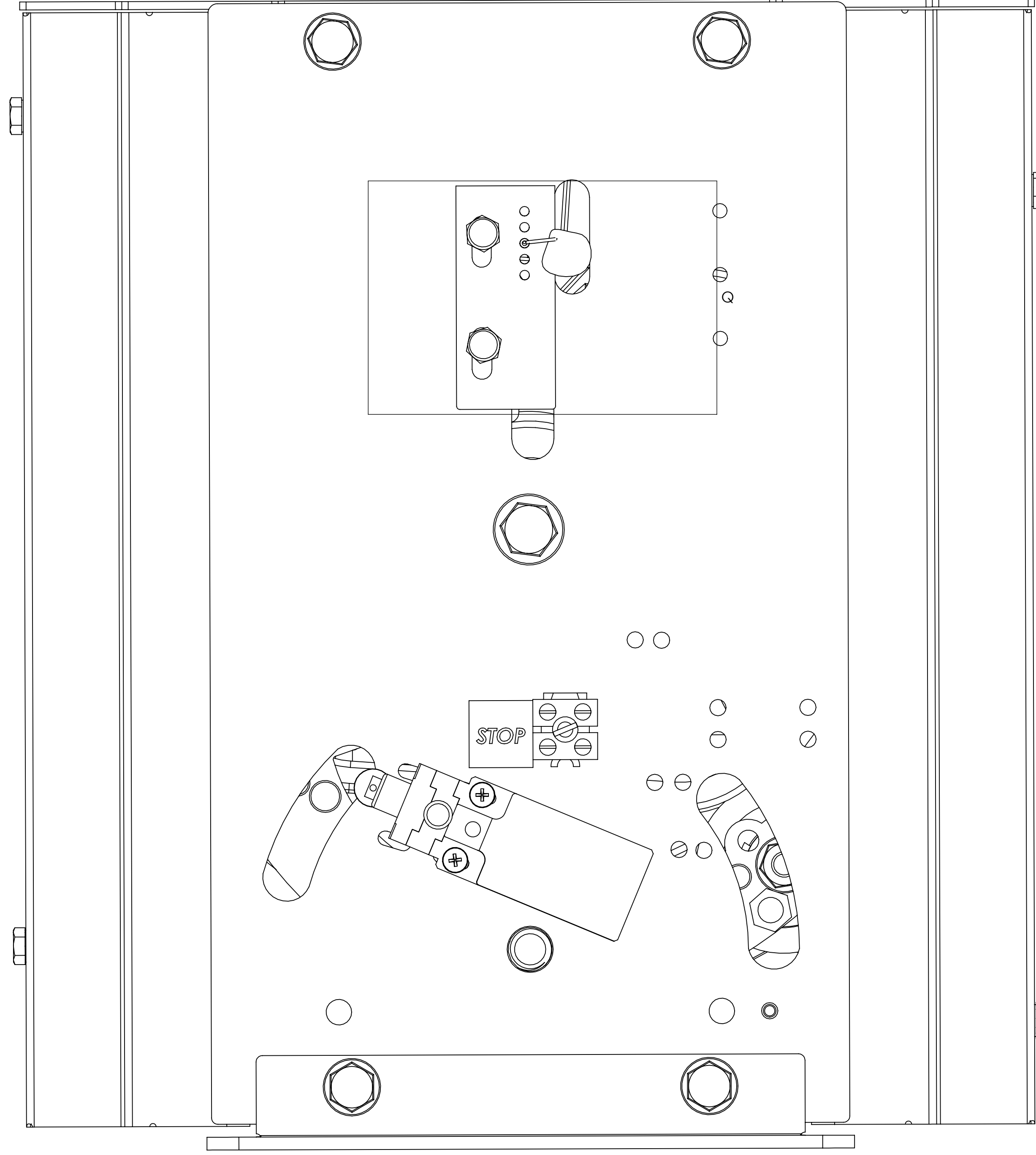
## ÇİFT YÖNLÜ HIZ REGÜLATÖRÜ KURULUM , KULLANMA VE BAKIM KILAVUZU



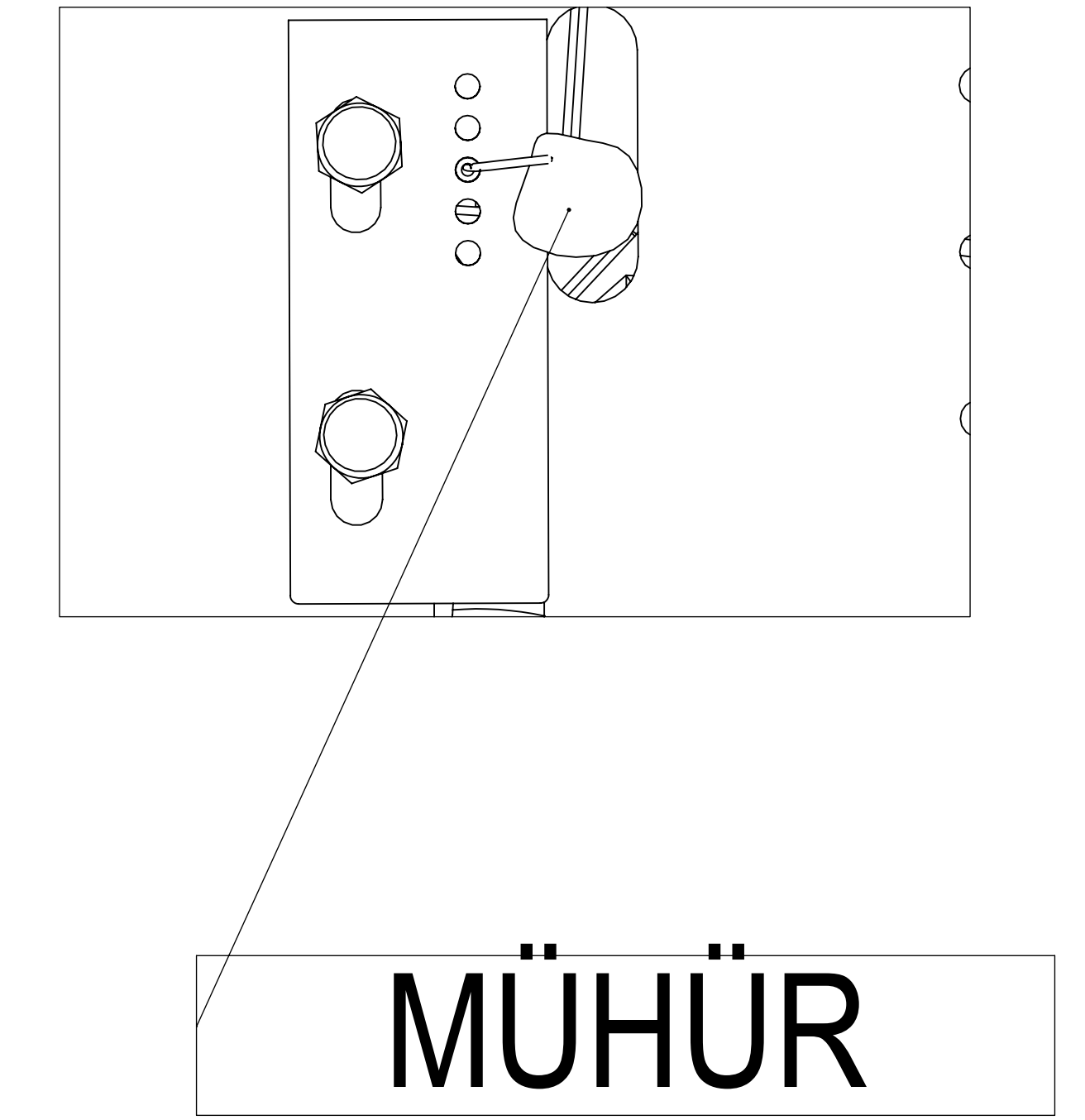
ÖBM-B MR VE ÖBM-B MRL

# ÇALIŞMA HIZLARINA GÖRE HIZ REGÜLATÖRÜ VERSİYONLARI

AŞAĞIDA ÖBM-B MR MODELİNİN ÇALIŞMA HIZLARINA GÖRE VERSİYONLARI BELİRTİLMİŞTİR.



VERSİYON	ÇALIŞMA HIZI(m/s)
HR 40	0.40
HR 50	0.50
HR 63	0.63
HR 80	0.80
HR 90	0.90
HR 100	1
HR 120	1.20
HR 160	1.60
HR 200	2.00



ÇALIŞMA HIZ DEĞERLERİNE GÖRE HIZ REGÜLATÖRÜNÜN VERSİYONLARI YUKARIDAKİ TABLODA BELİRTİLMİŞTİR. FİRMAMIZCA ÇALIŞMA VE KİLİTLEME HIZLARI AYARLANMIŞ OLAN REGÜLATÖRLER TARAFIMIZCA MÜHÜRLENMİŞTİR. AYRICA SINIR ŞALTER POZİSYONU FİRMAMIZCA İŞARETLENMİŞTİR, KESİNLİKLE MÜDAHALE EDİLMEMELİDİR. MÜHÜRÜ KIRILMIŞ YA DA MÜHÜR VE SINIR ŞALTERİNE MÜDAHALE EDİLMİŞ HIZ REGÜLATÖRLERİ GARANTİ DIŞI SAYILIR. AYRICA MÜDAHALE EDİLMİŞ YA DA KULLANIM VE KURULUM KLAVUZUNA AYKIRI MONTAJLANMIŞ REGÜLATÖRLERDEN KAYNAKLANABİLECEK ARIZA VE KAZALARDAN FİRMAMIZIN SORUMLULUĞU BULUNMAMAKTADIR.

## REGÜLATÖR ETİKETİ



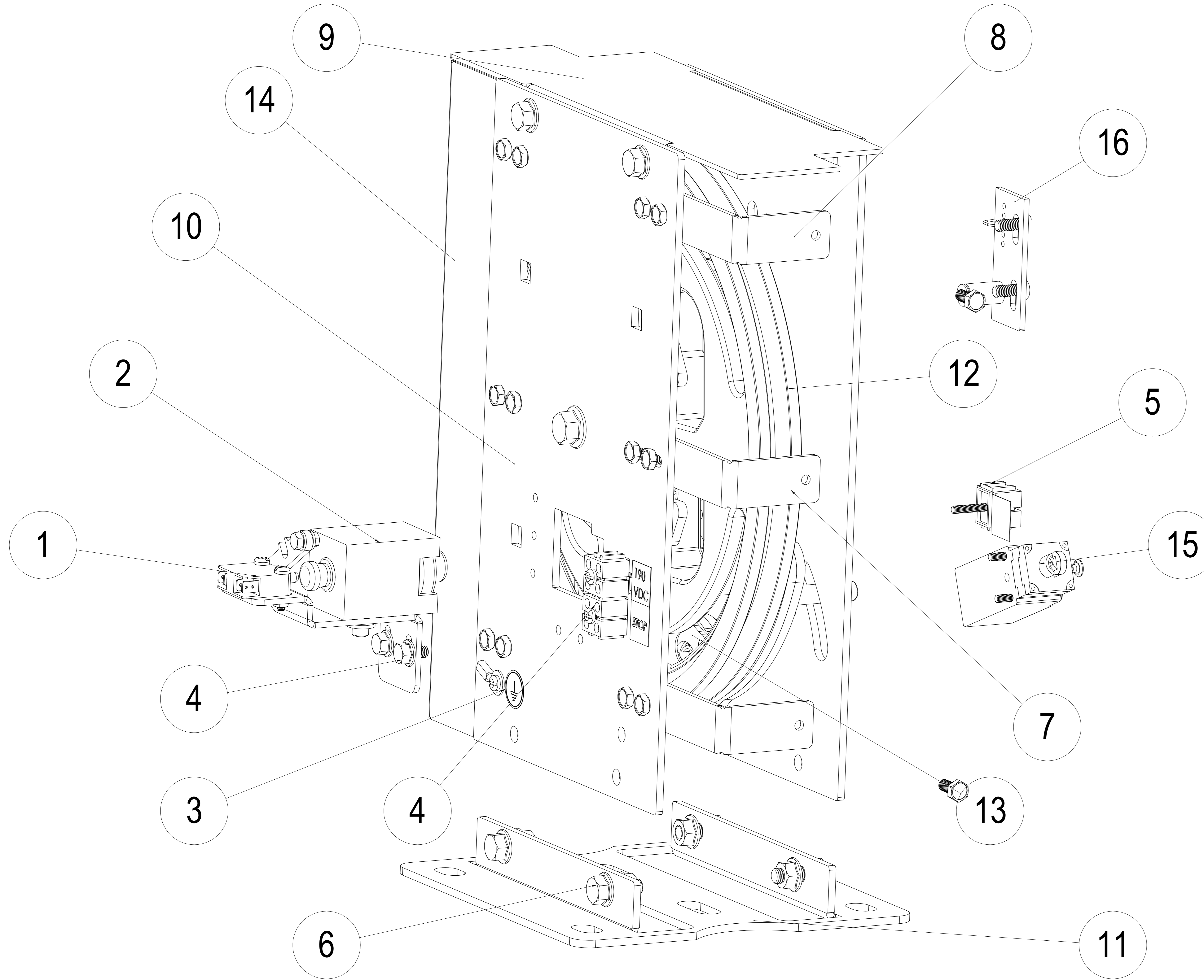
REGÜLATÖR ETİKETİ ÜZERİNDE ;

- REGÜLATÖR MODELİ
- ÇALIŞMA HIZI
- KİLİTLEME HIZI
- SERTİFİKA BELGE NUMARASI
- SERİ NUMARASI (PARTİ+SERİ)
- BOBİN ÇALIŞMA GERİLİMİ
- ÜRETİM AYI VE YILI
- REGÜLATÖR AŞAĞI VE YUKARI YÖN İBARELERİ

YER ALMAKTADIR.

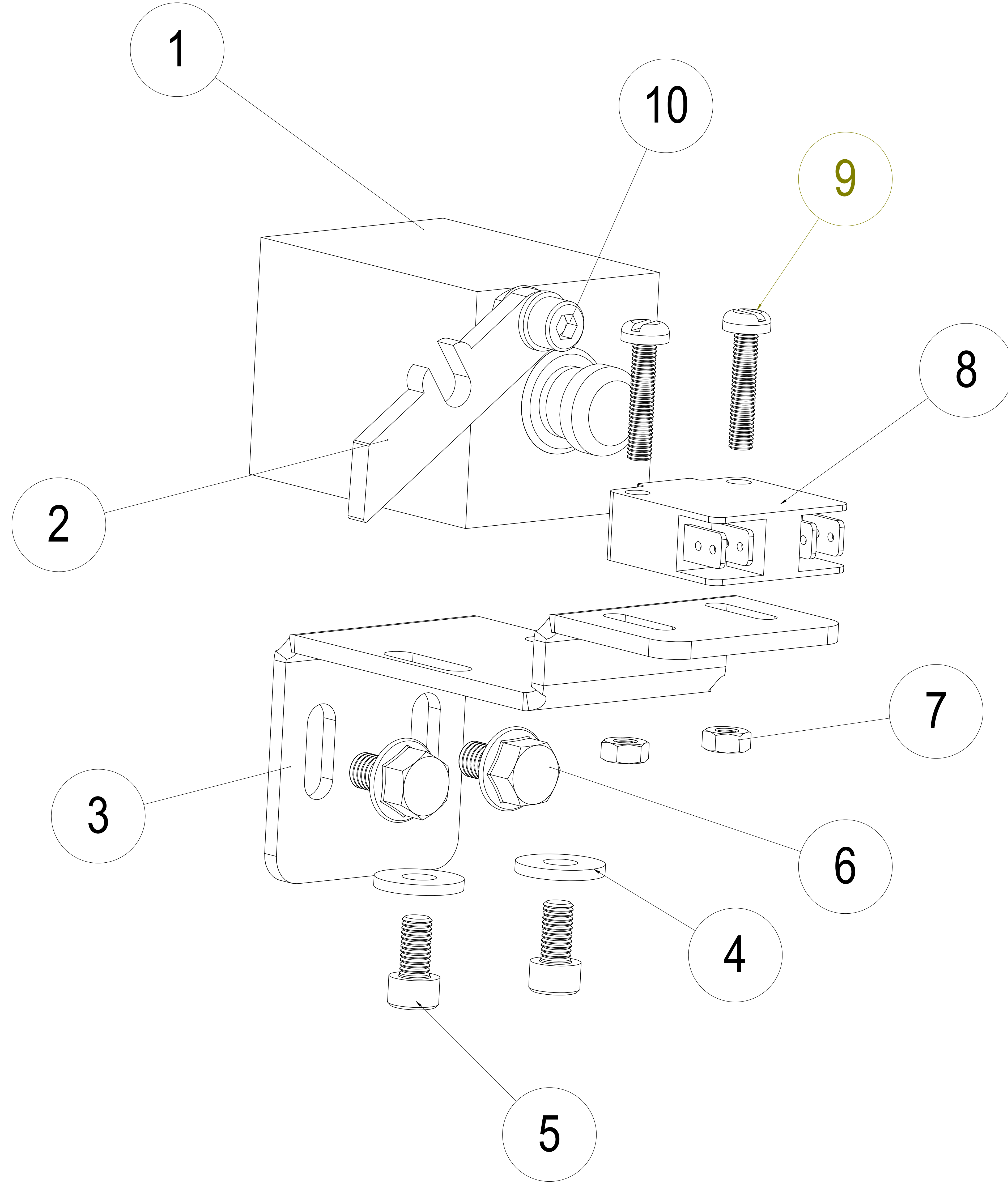
ETİKETLERİNİZİN ZARAR GÖRMESİ DURUMUNDA FİRMAMIZLA İRTİBATA GEÇİNİZ.

# ÖBM-B MR MODELİ PARÇA LİSTESİ



NO	TANIM
1	ASAL SWITCH
2	UCM BOBİNİ
3	TOPRAKLAMA GRUBU
4	M6X12 CİVATA
5	KLEMENS GRUBU
6	M8X20 CİVATA
7	HALAT KORUMA PARÇASI
8	YAN KORUMA TUTUCU
9	UST KORUMA
10	REGÜLATÖR YAN GÖVDE
11	REGÜLATÖR ALT TABLASI
12	A3 MODÜL KASNAĞI
13	MEKANİK KİLİTLEME PARÇASI
14	YAN KORUMA
15	SINIR ŞALTER
16	AYAR YAYI TUTUCU PLASTİK

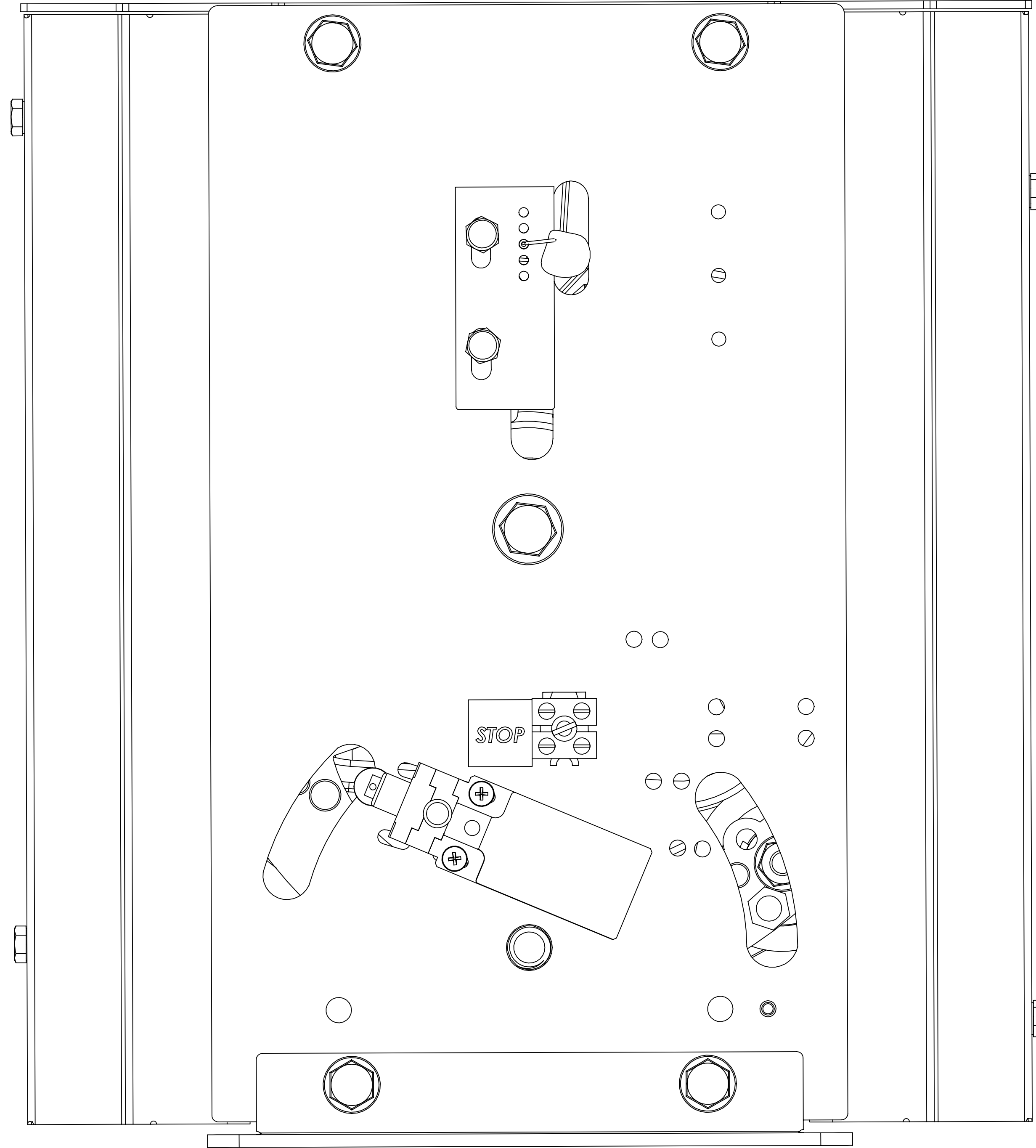
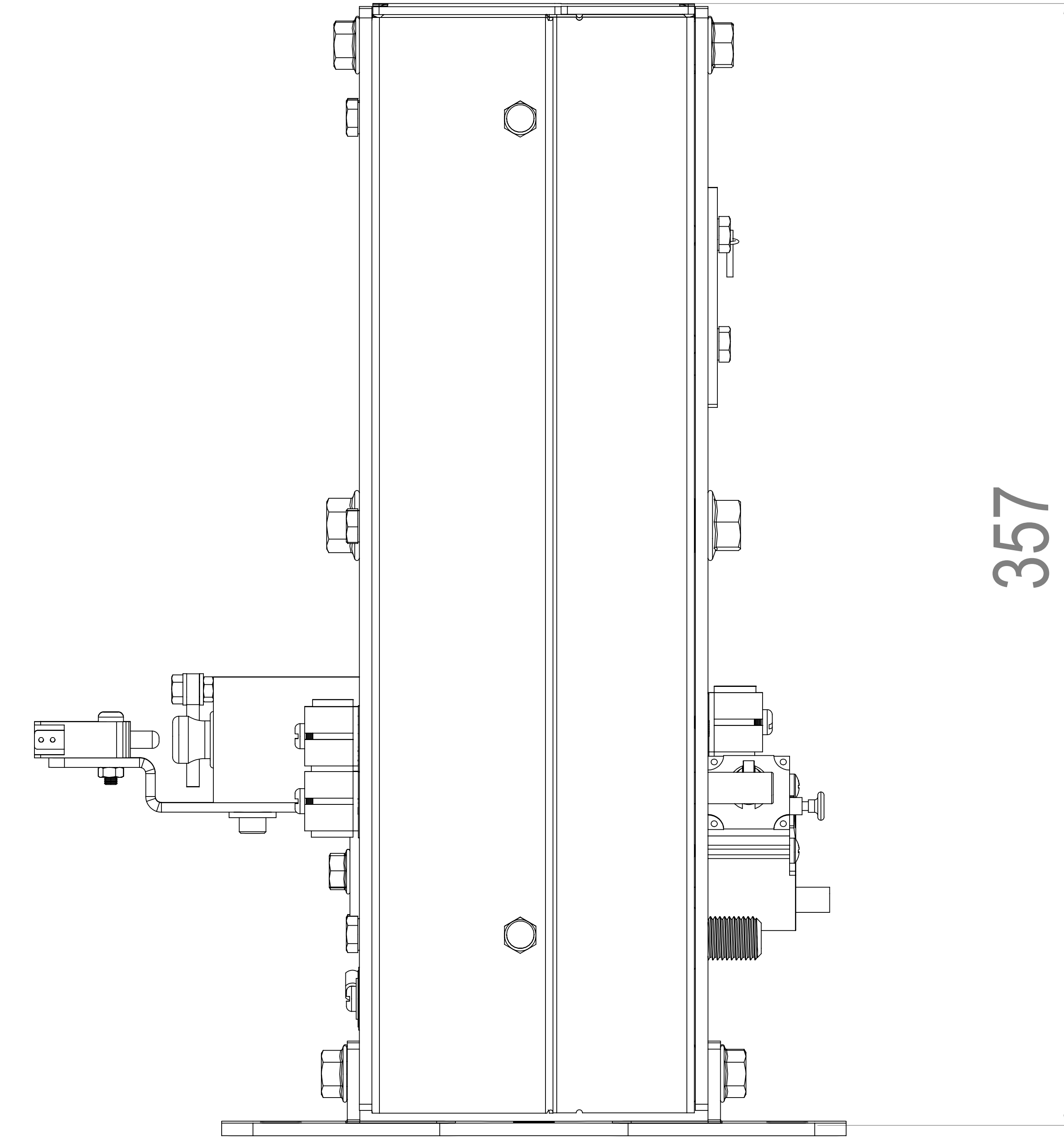
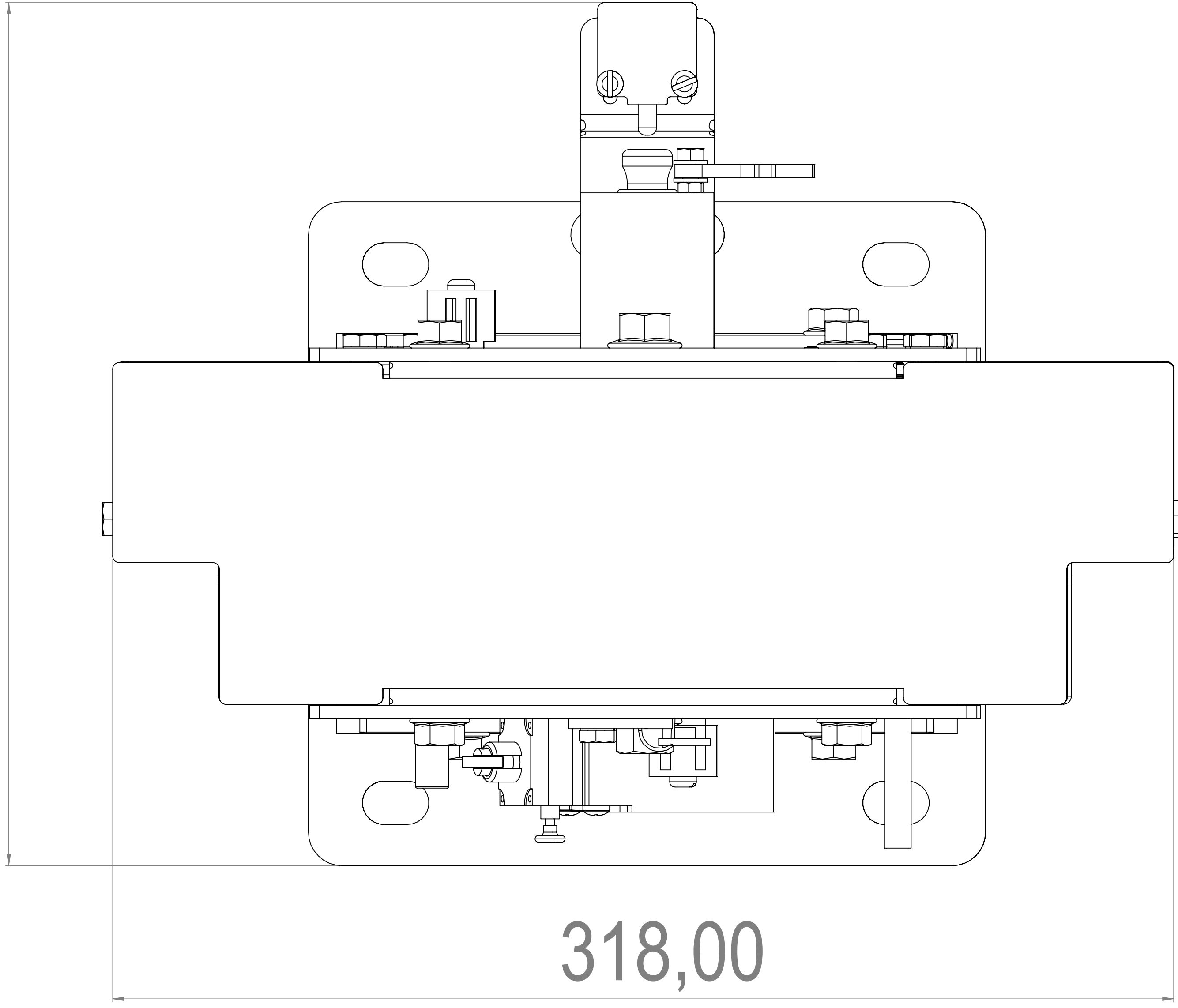
## A3 MODÜLÜ PARÇA LİSTESİ



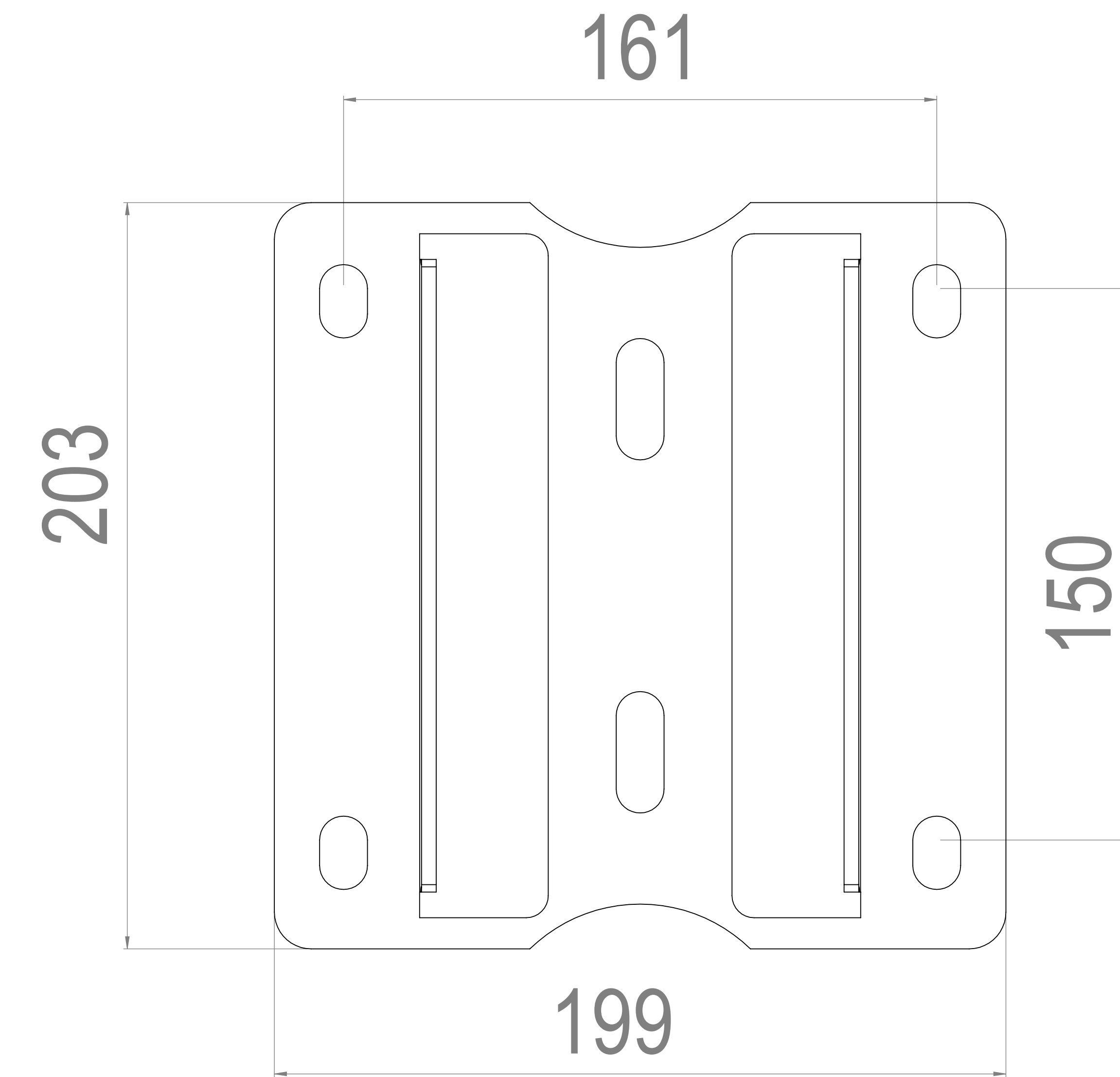
NO	TANIM
1	UCM MODELÜ BOBİNİ
2	BOBİN DEVRE DIŞI BIRSAKMA PARÇASI
3	BOBİN ALTLIĞI
4	M5 PUL
5	M5X12 İMBUS CİVATA
6	M6X12 ALTI KÖŞE BAŞLI CİVATA
7	M4 SOMUN
8	ASAL SWITCH
9	M4X30 YSB CİVATA
10	M5X12 İMBUS BAŞLI CİVATA

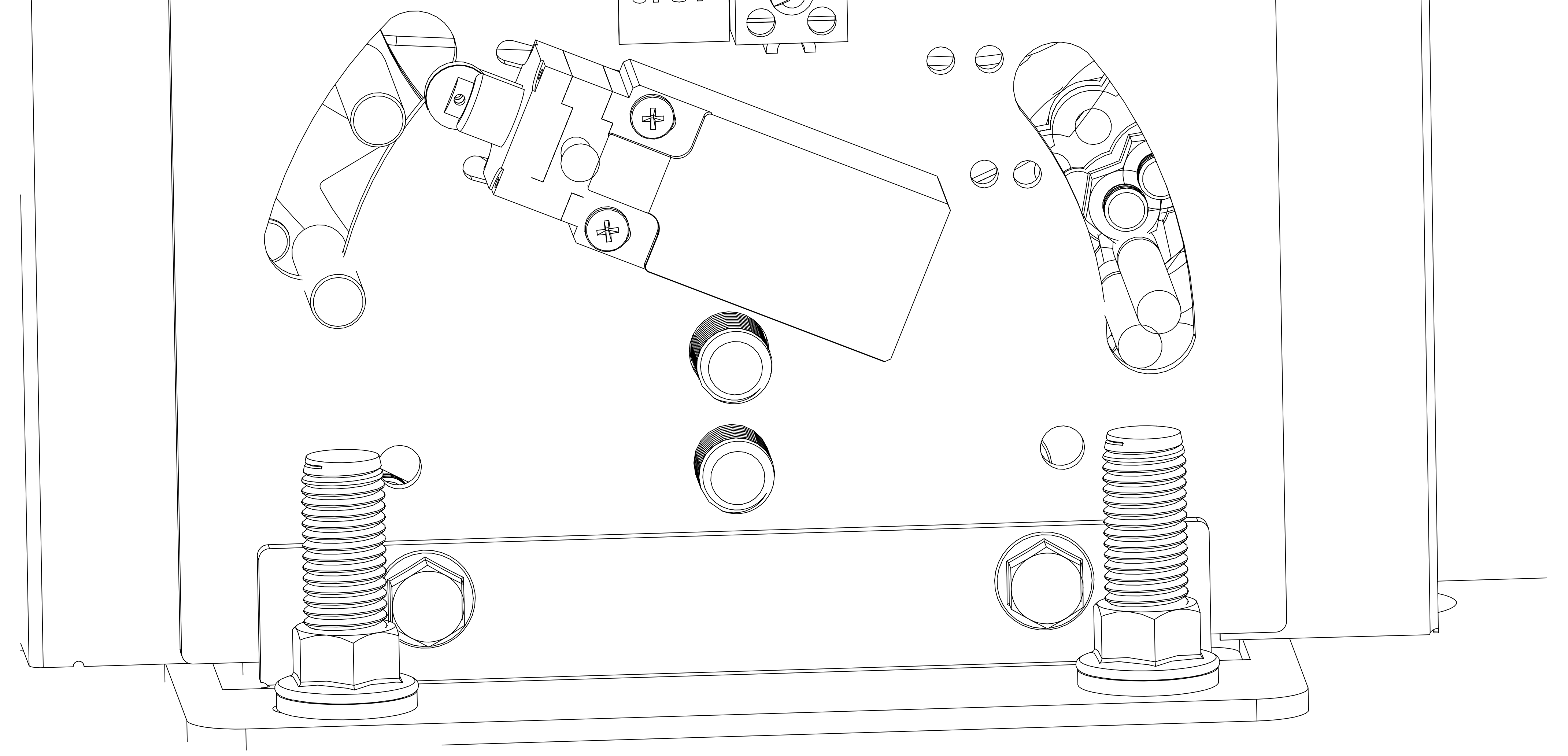
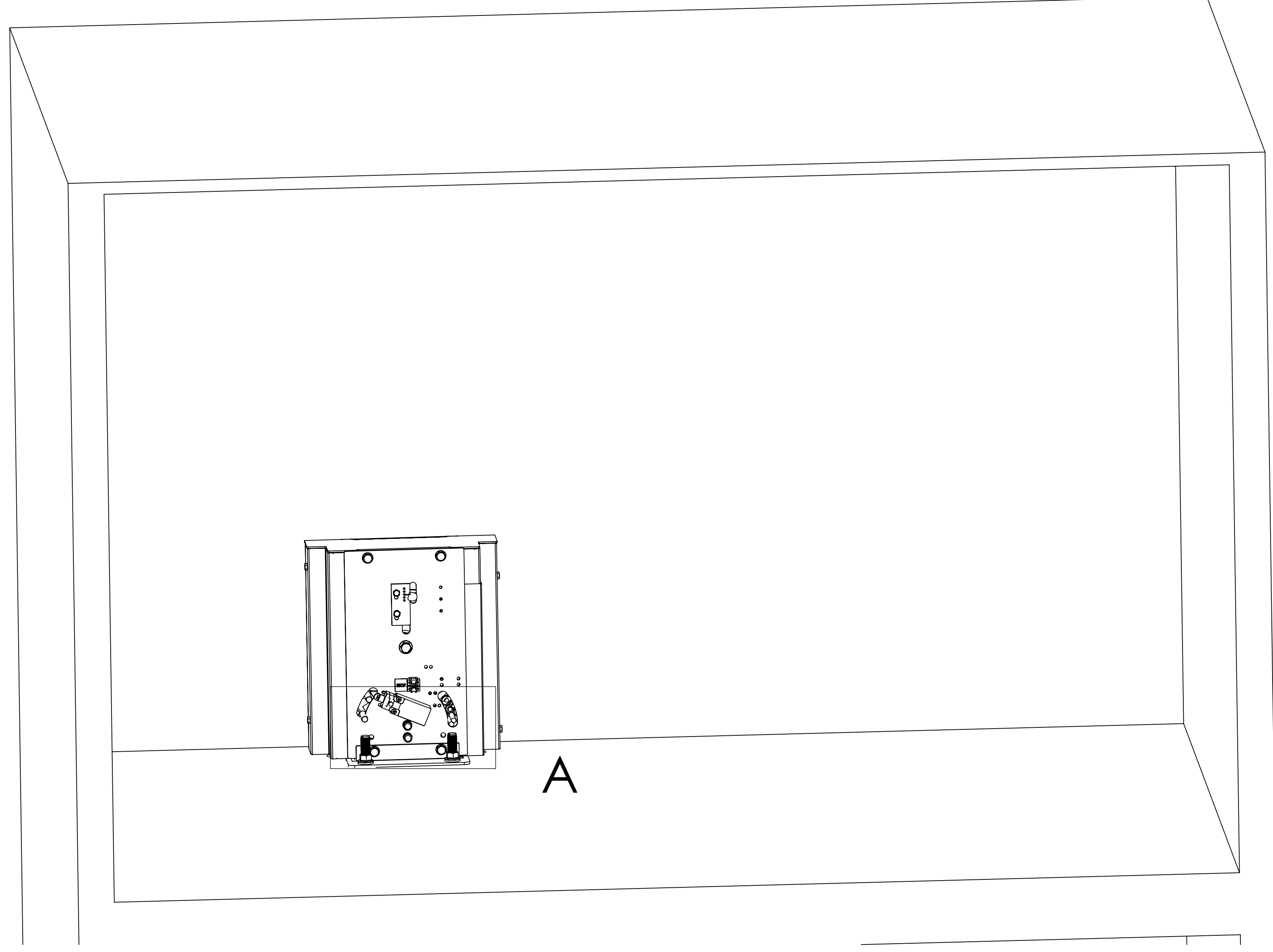
UCM MODÜLÜ BOBİNİNİN 190VDC VE 24 VDC SEÇENEKLERİ MEVCUTTUR . BOBİN ÜZERİNDE YER ALAN BOBİN DEVRE DIŞI BIRAKMA LAMASI, UCM ÖZELLİĞİNİN DEVRE DIŞI BIRAKILMASINA OLANAK SAĞLAR. SEVİYE TESTİ YAPILIRKEN BOBİN MILİ KASNAKTAN DIŞARI DOĞRU ÇEKİLİR VE BOBİN KİLİTLEME PARÇASI BOBİN MİLİNE GEÇİRİLİR. BÖYLECE UCM MODELÜ DEVRE DIŞI BIRAKILMIŞ OLUR.TÜM AYARLAR YAPILDIKTAN SONRA BOBİN TEKRARDAN DEVREYE ALINIR.

259

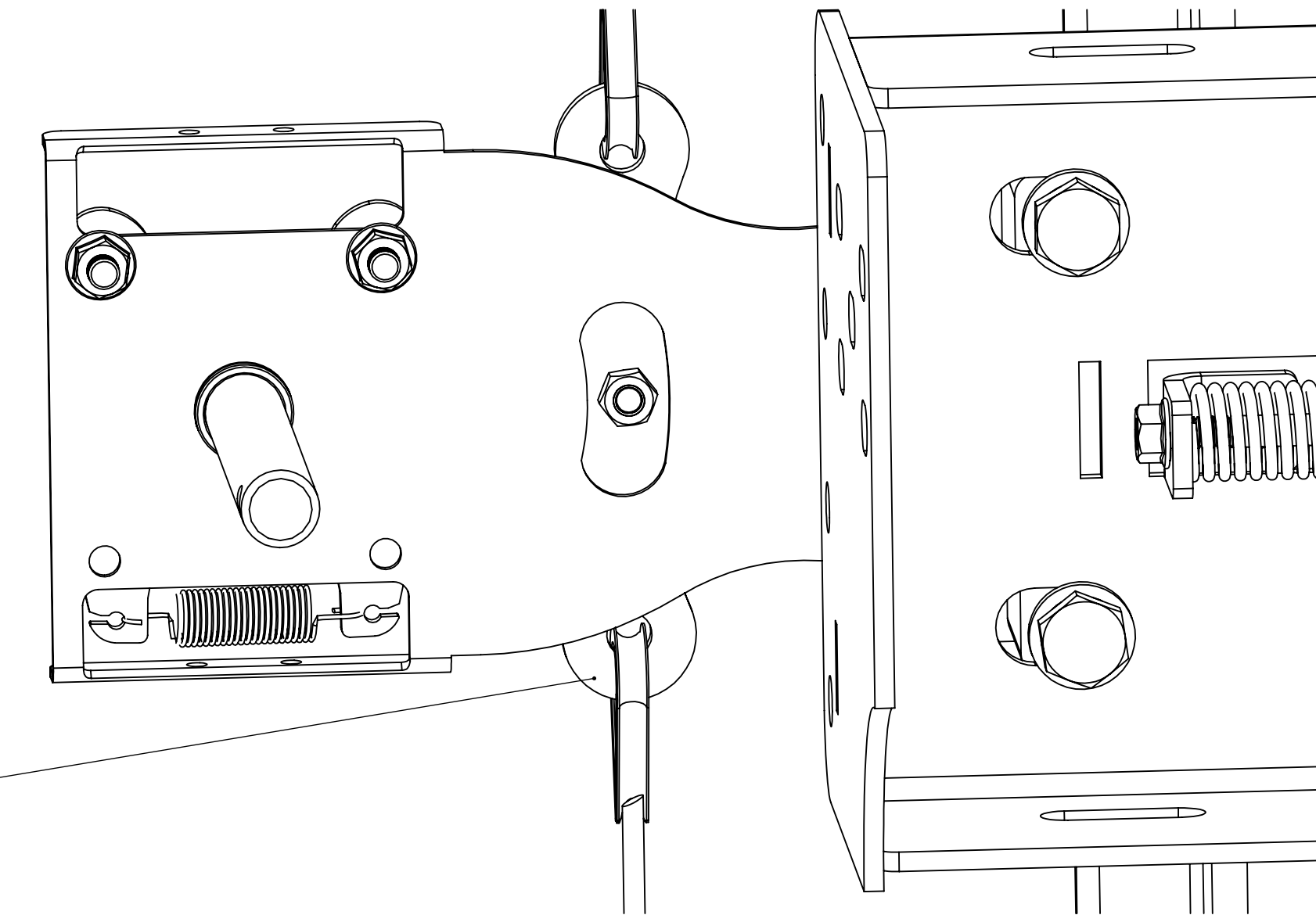


**! REGÜLATÖR ANA ÖLÇÜLERİ RESİMLERDE BELİRTİLMİŞTİR. MAKİNA DAİRESİ ÜZERİNE SABİTLEME ESNASINDA, DÜBEL DELİKLERİ MERKEZ ÖLÇÜLERİNE GÖRE DÜBELLEME İŞLEMİ YAPILIR.**

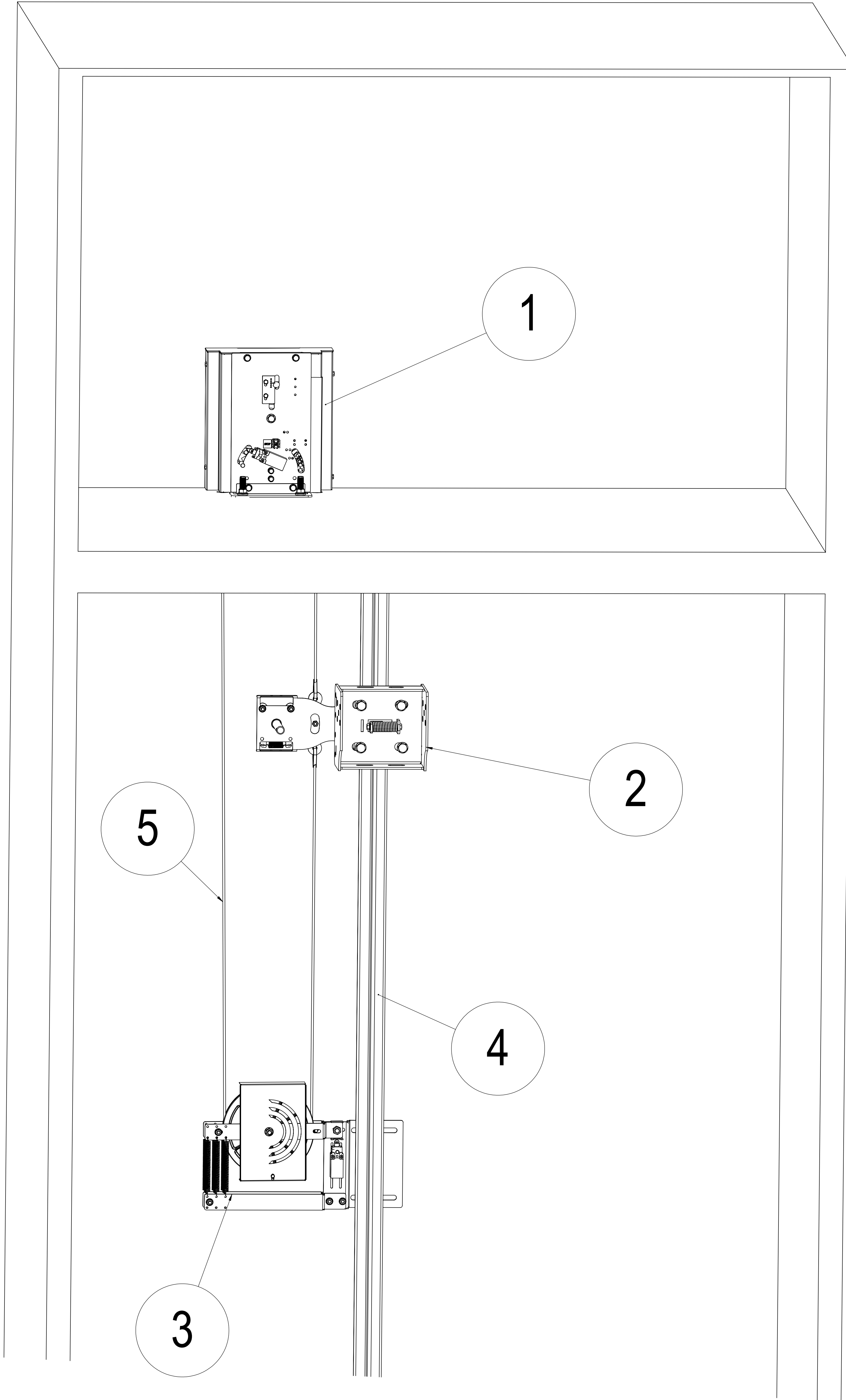




REGÜLATÖR POZİSYONU FREN BLOĞU AKTİVASYON KOLU ÜZERİNDE YER ALAN HALAT BAĞLAMA PARÇASININ POZİSYONUNA GÖRE AYARLANARAK , MAKİNA DAİRESİ ZEMİNİ ÜZERİNDE REGÜLATÖR ALT TABLASI DELİKLERİNE UYGUN OLARAK 4 ADET M12 ÇELİK DÜBELLER VASITASI İLE REGÜLATÖR ZEMİNE SABİTLENİR. SABİTLEME İŞLEMİNDEN ÖNCE HALATIN AKMASI İÇİN ; ZEMİNDE HAZIRLANMAMIŞ OLMASI DURUMUNA KARŞIN MAKİNE DAİRESİ ZEMİNİNE UYGUN YUVALAR AÇILIR.

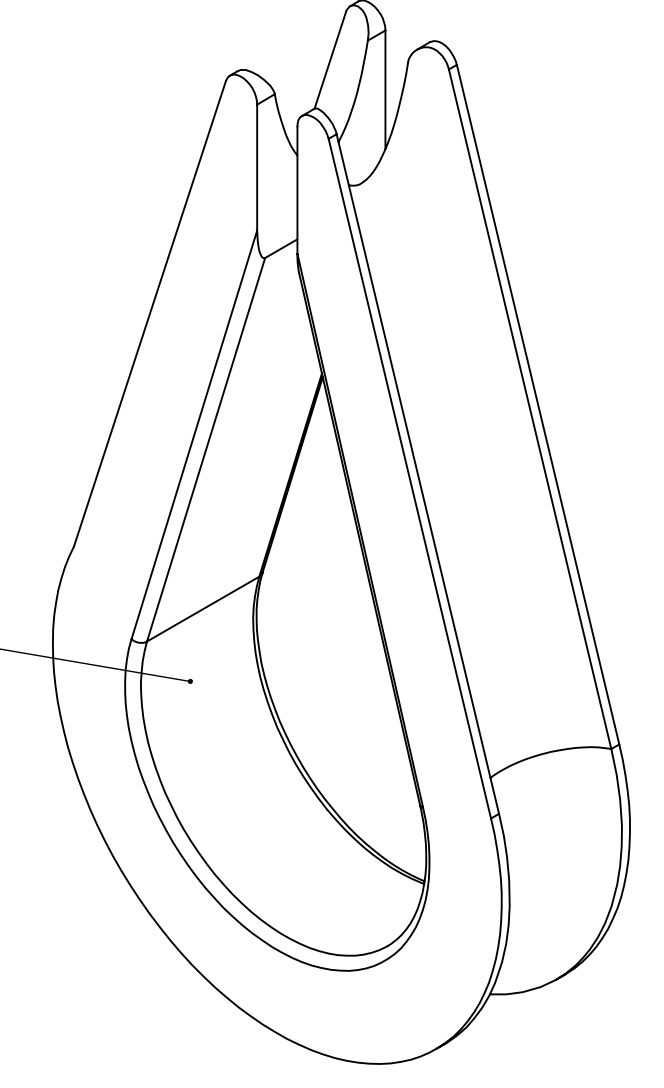


AKTİVASYON KOLU HALAT BAĞLAMA PARÇASI

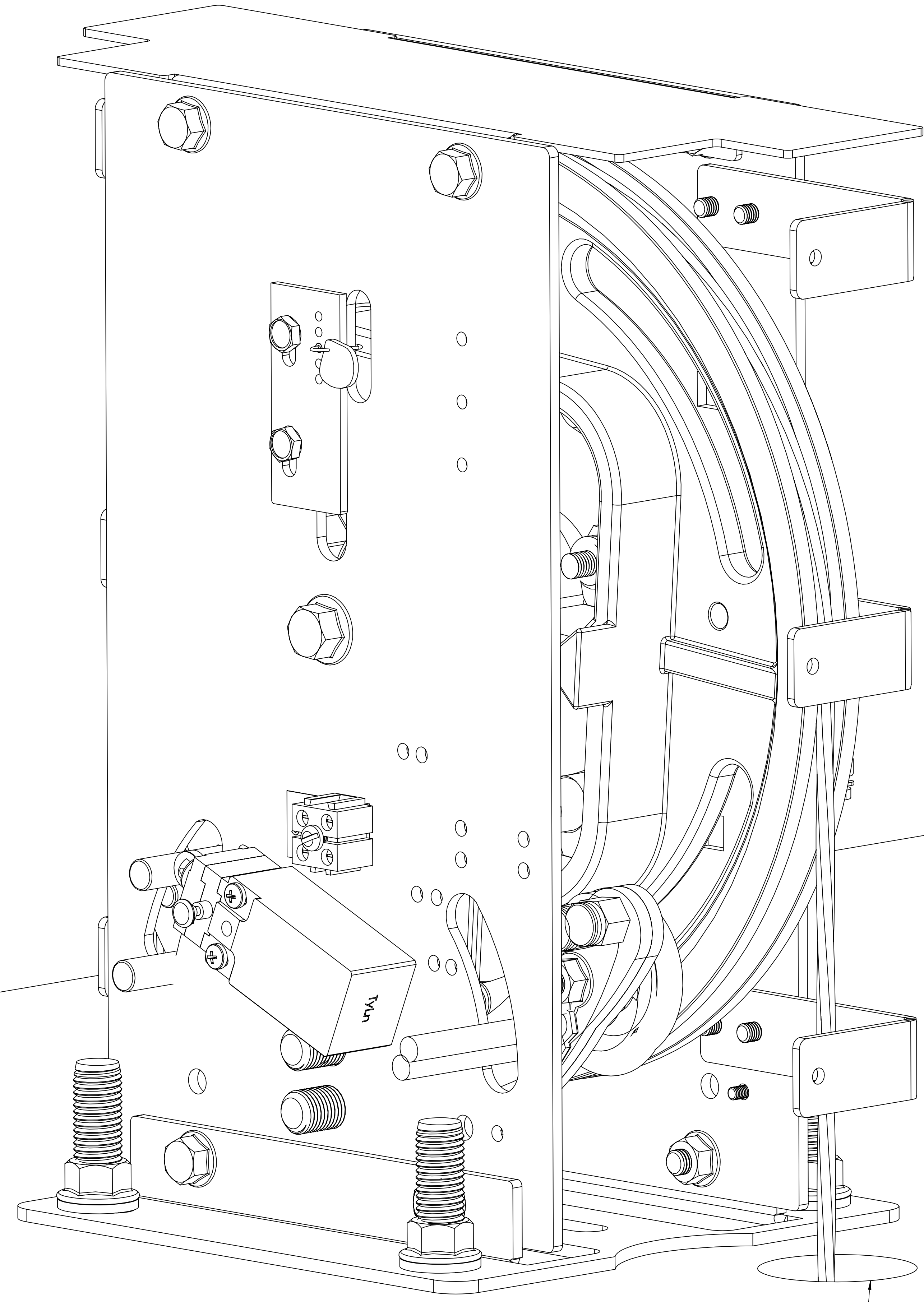


REGÜLATÖR SABİTLEME İŞLEMİNDEN SONRA 6 MM KALINLIĞINDAKİ HALAT VASİTASI İLE ÖNCEDEN RAYA SABİTLEME İŞLEMİ GERÇEKLEŞİRİLMİŞ FREN VE REGÜLATÖR GERDİRME KASNAĞI ARASINA İRTİBATLANDIRMA HALATI ÇEKİLİR. İRTİBATLAMA HALATI ÇEKİLİRKEN REGÜLATÖR YAN KORUMALARI AÇILIR ,HALAT KORUMA PARÇASI EN DIŞ POZİSYONA ÇEKİLEREK HALAT KASNAKLARDAN GEÇİRİLEREK FREN TAHRIK KOLU ÜZERİNDEKİ RADANSALARA HALAT KELEPÇESİ İLE İRTİBALANIR. HALAT KORUMA PARÇASI HALATIN HERHANGİ BİR NEDENLE ÇIKMASINA İZİN VERMEYECEK POZİSYONA KADAR KASNAĞA YAKINLAŞTIRILARAK SABİTLENİR. YAN KORUMALAR YERLERİNE GERİ TAKILIR.

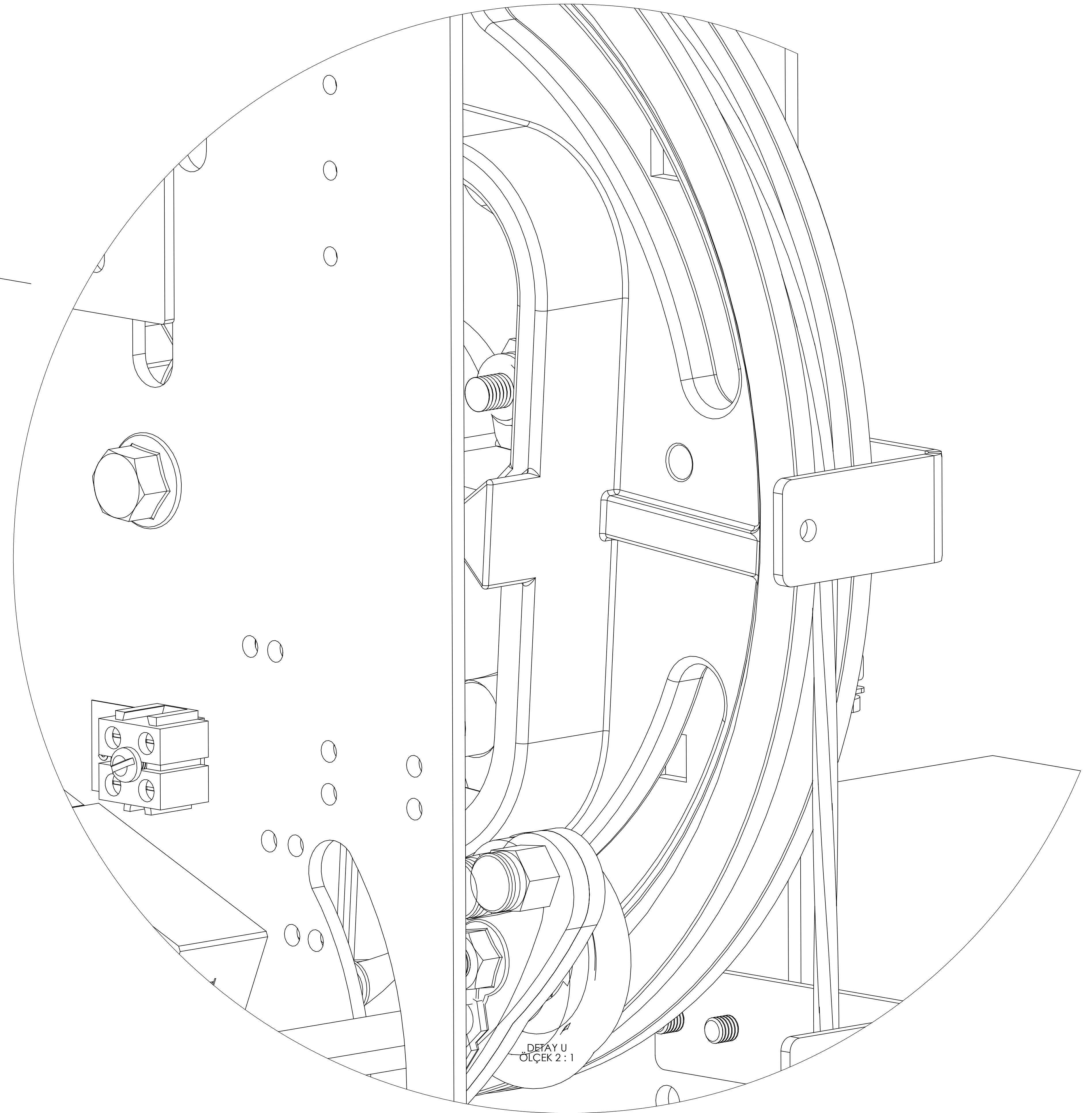
RADANSA



- 1) ÖBM B-MR TİP REGÜLATÖR
- 2) ÖZBEŞLER FREN BLOĞU
- 3) ÖZBEŞLER REGÜLATÖR GERDİRME KASNAĞI
- 4) ASANSÖR ANA RAYI
- 5) ÇAP 6 ÇELİK HALAT

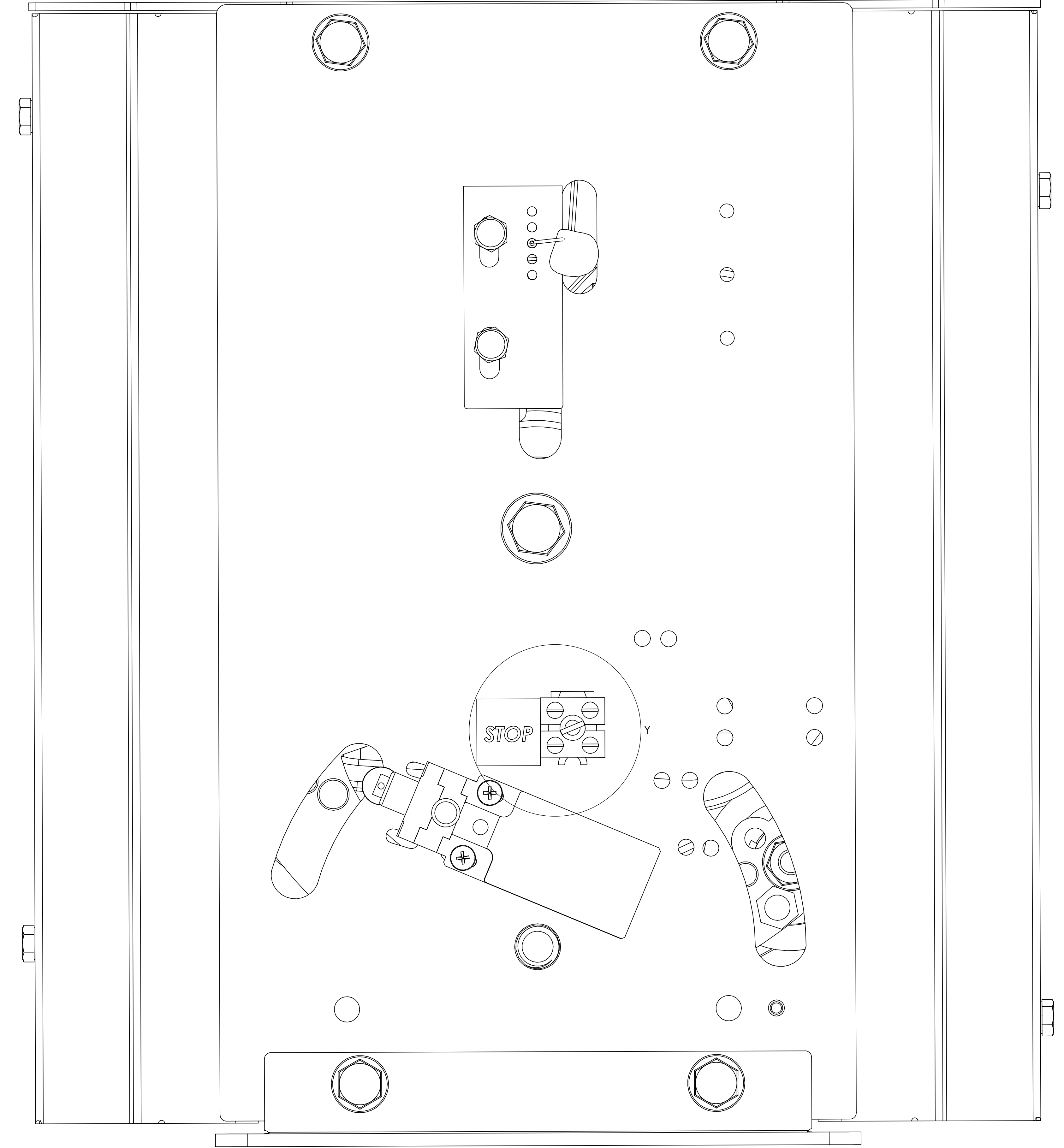
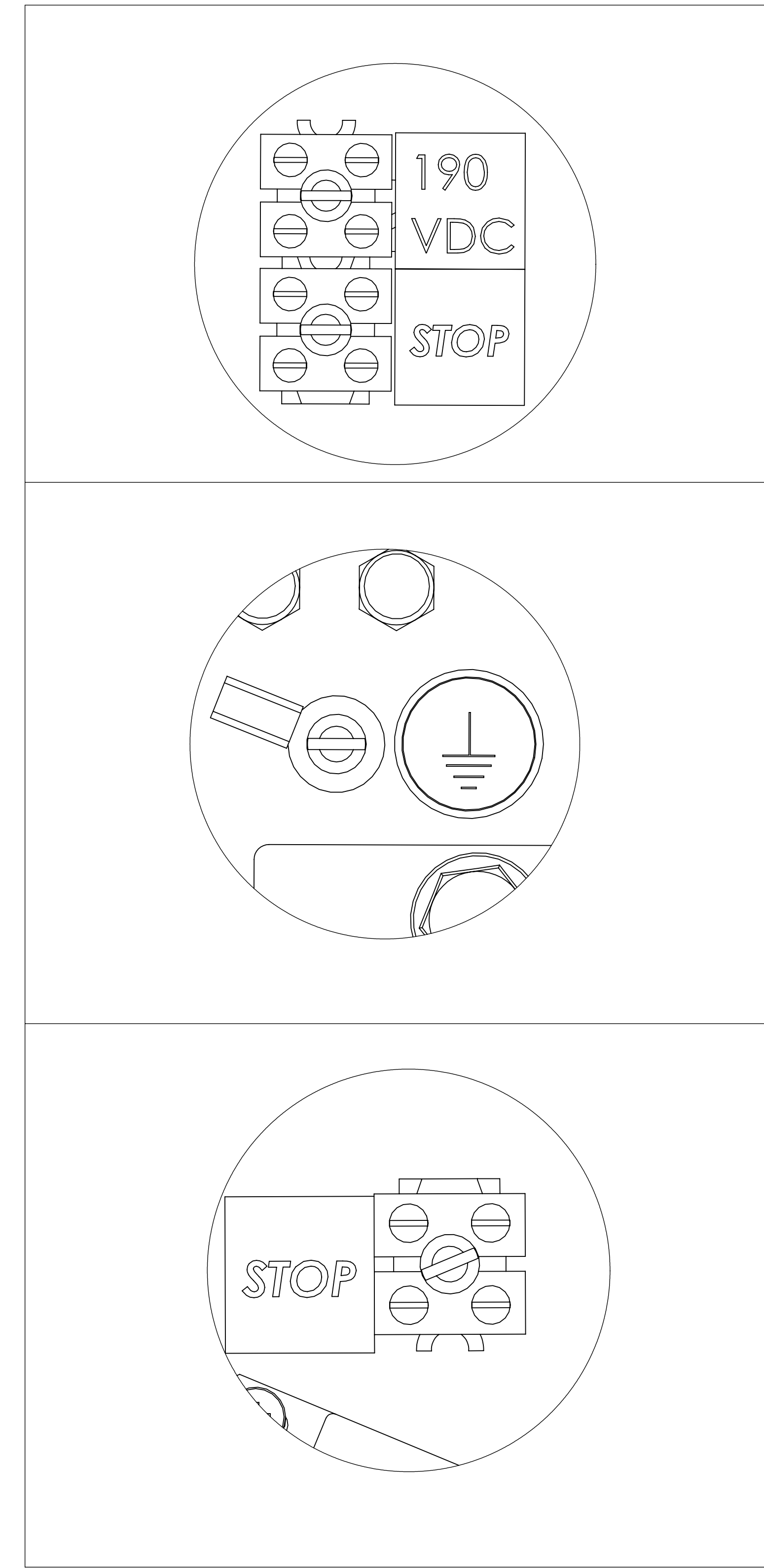
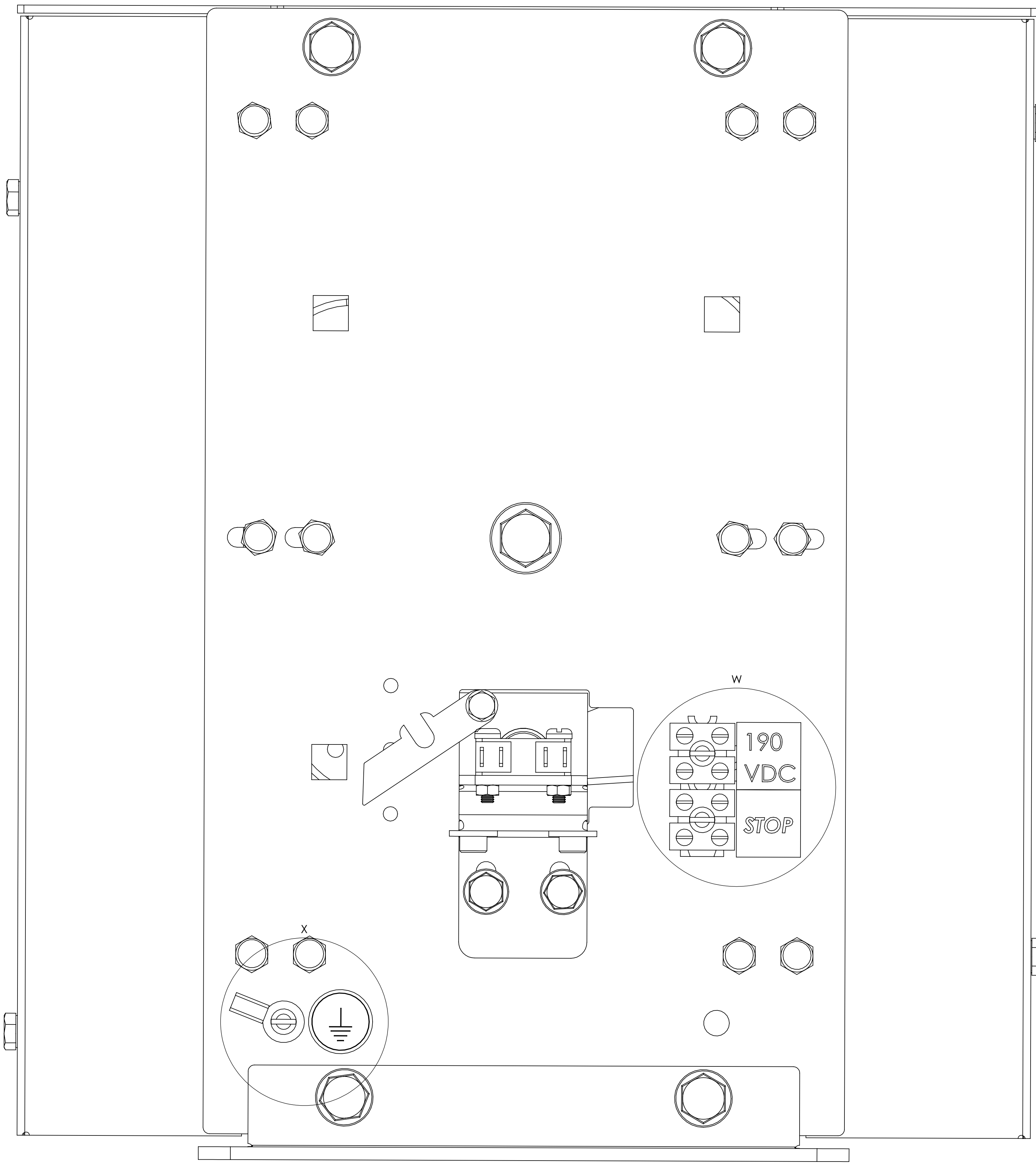


İRTİBATLAMA HALATININ BAĞLANMASINDAN SONRA KASNAĞIN HER İKİ TARAFINDA YER ALAN HALAT KORUMA PARÇALARI KASNAĞA 1-2 mm KALANA KADAR YAKLAŞTIRILARAK SIKILIR.BÖYLECE HERHANGİ BİR DURUMDA HALATIN KASNAKTAN ÇIKMASI ENGELLENİR.



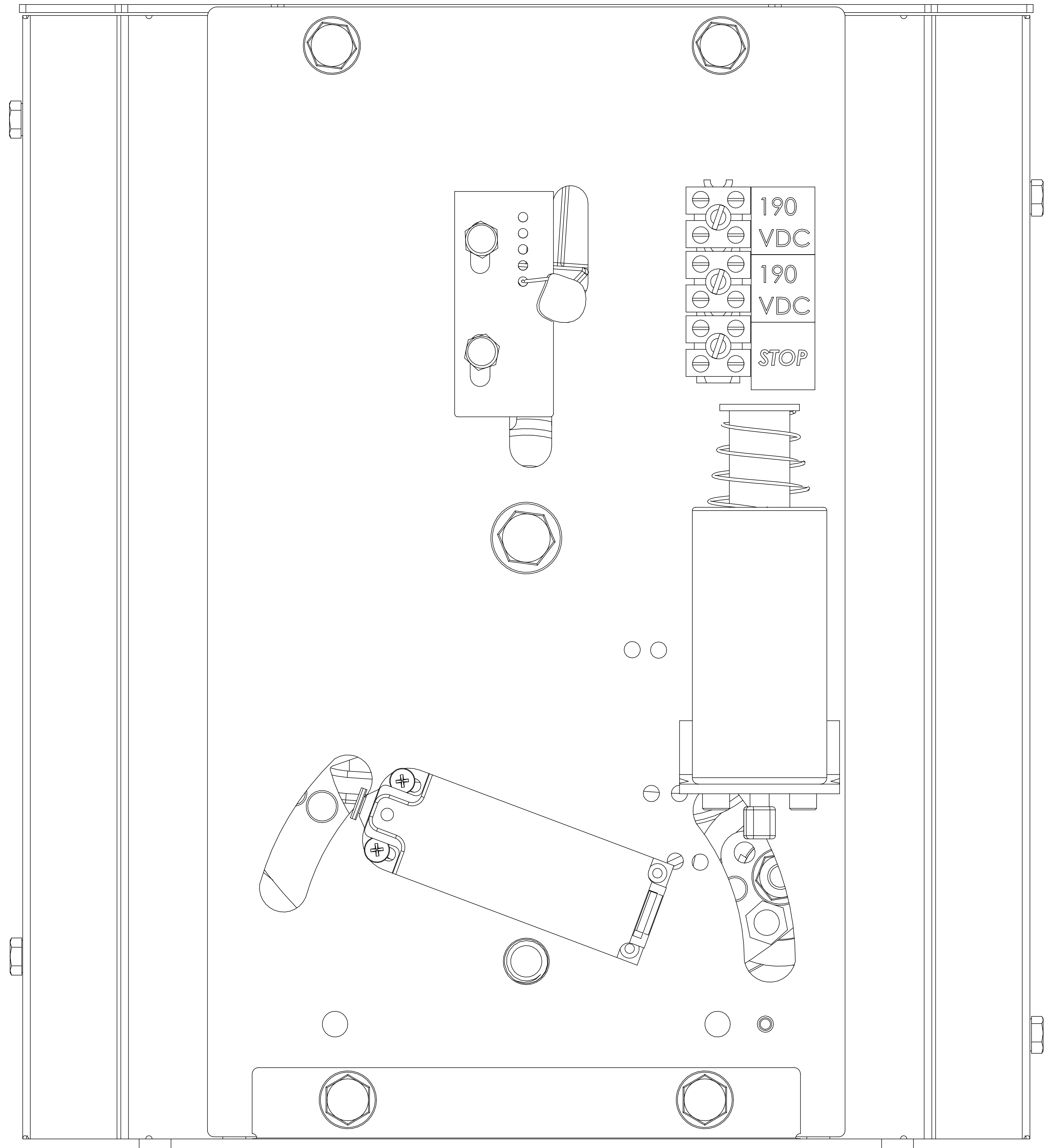
İRTİBATLAMA HALATI AKMA YUVASI

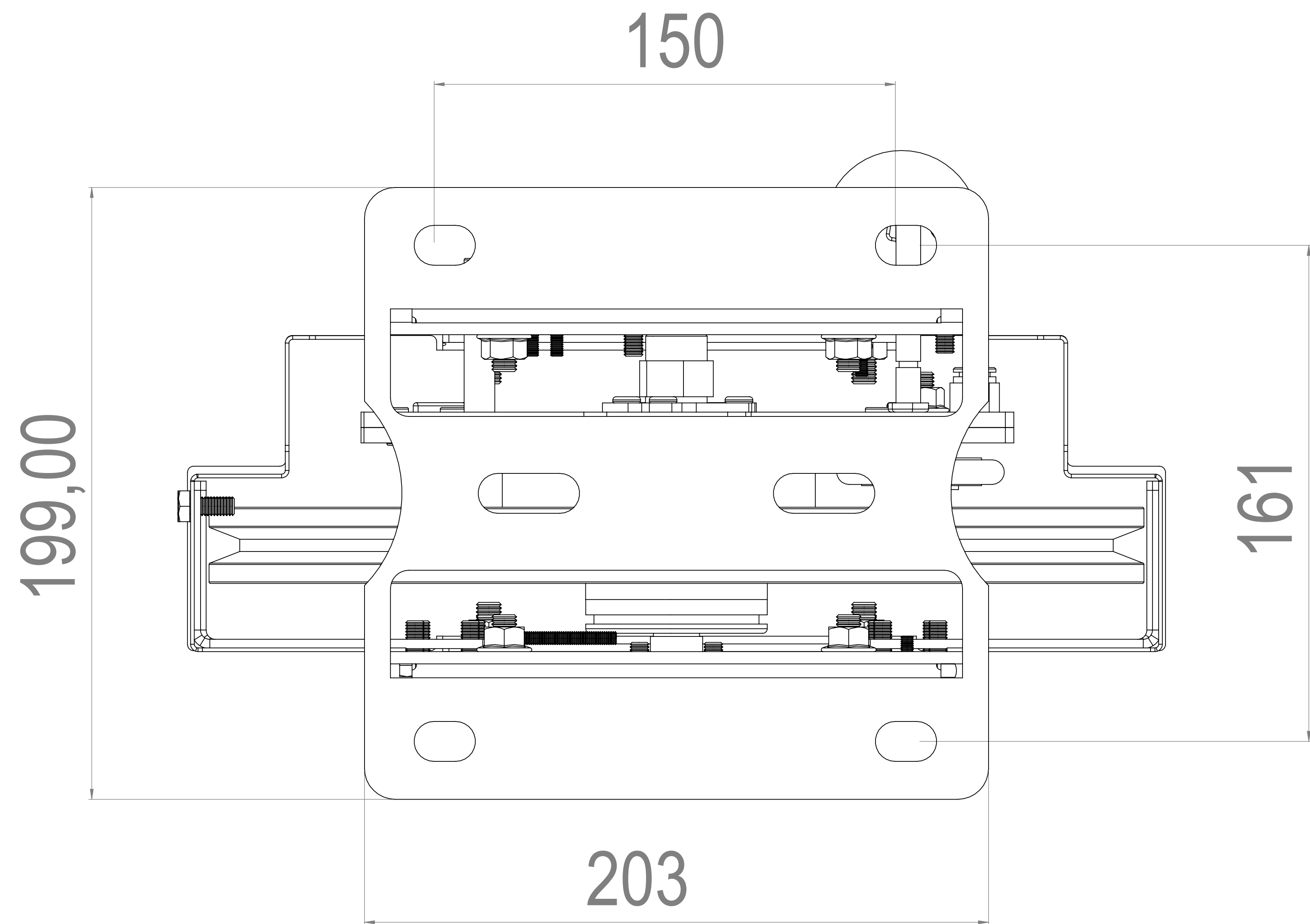
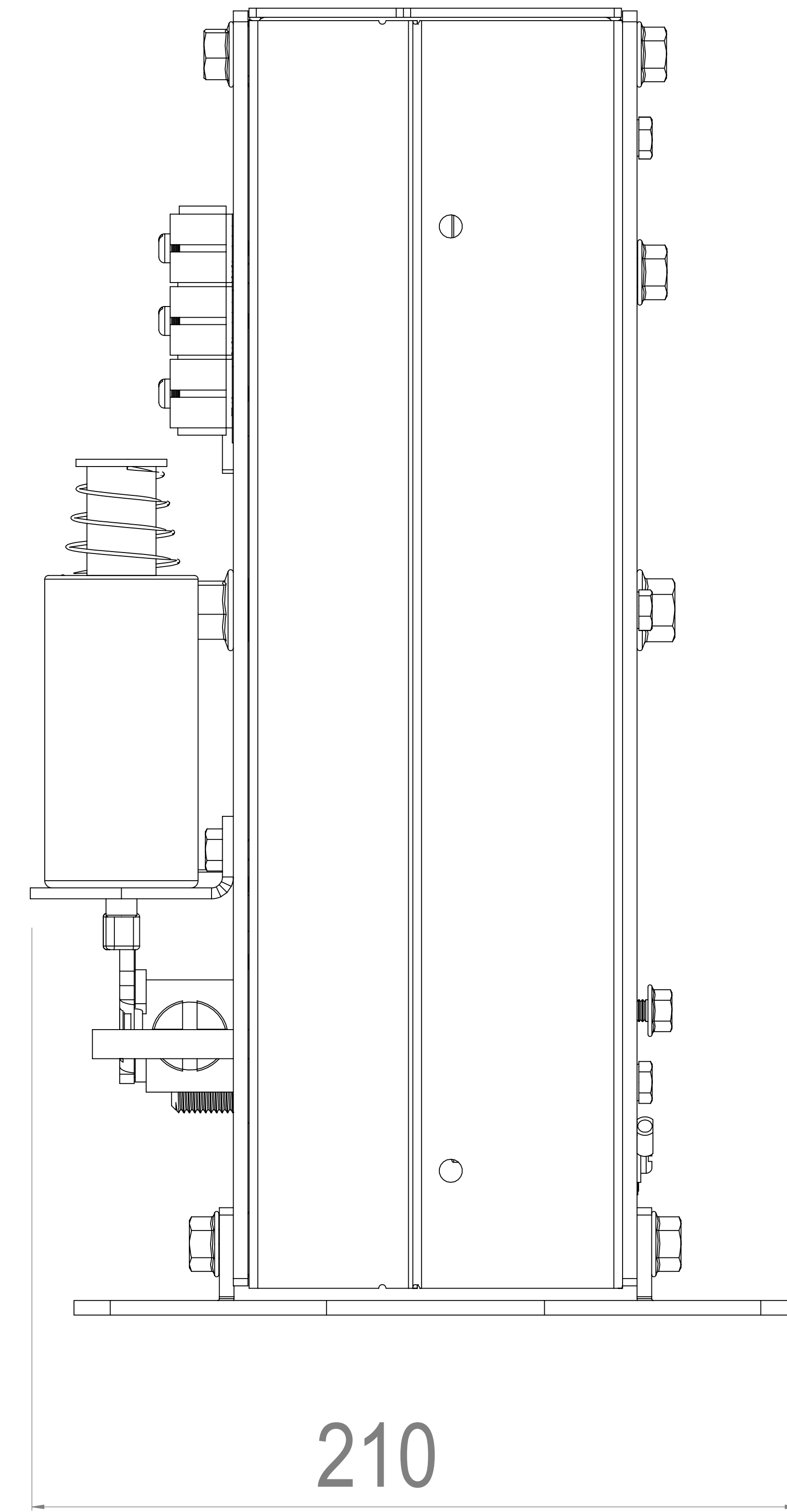
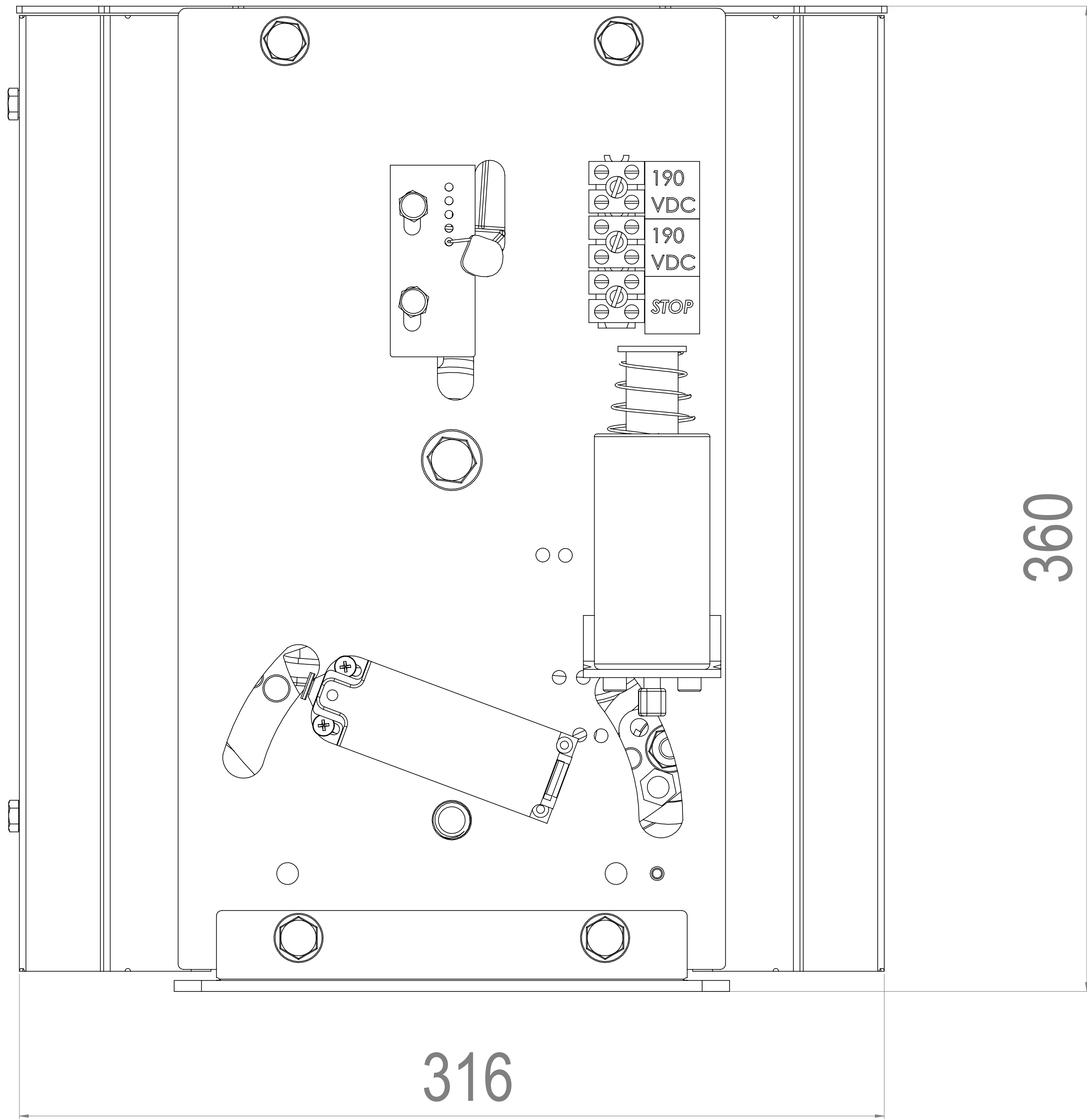
DETAY U  
ÖLÇEK 2:1



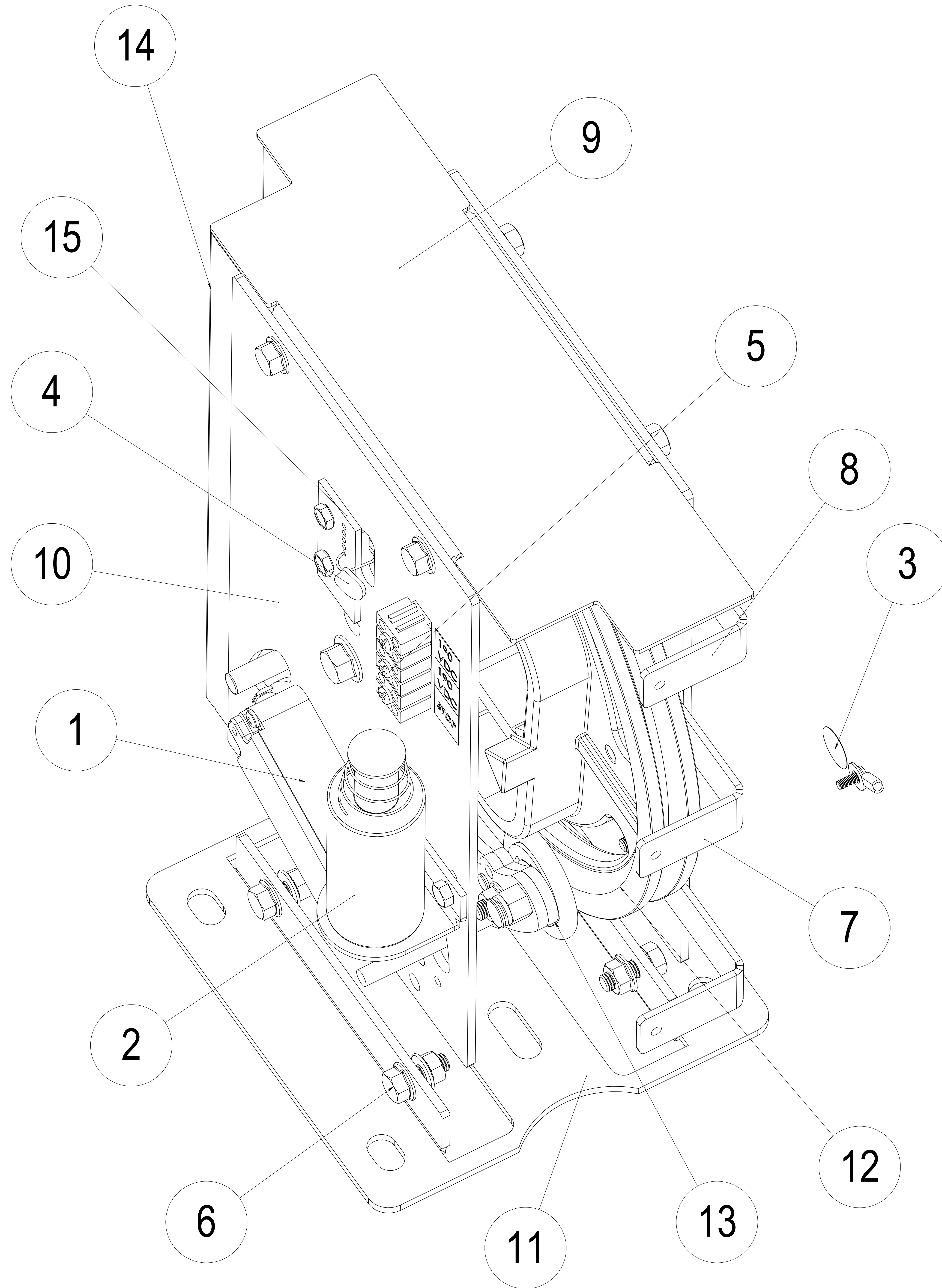
İRTİBATLAMA HALATININ BAĞLANTISININ YAPILMASININ ARDINDAN REGÜLARÜN PANO İLE OLAN KABLO BAĞLANTILARI YAPILIR. FİRMAMIZCA SWITCHLERİN VE BOBINLERİN KLEMENSLERE İLK BAĞLANTISI YAPILMIŞTIR. BAĞLANTILARI YAPILMIŞ VE ETİKETLENMİŞ KLEMENSLERE PANODAN GELEN UYGUN KABLOLAR İRTİBATLANIR.

# ÖBM-B MRL MODELİ

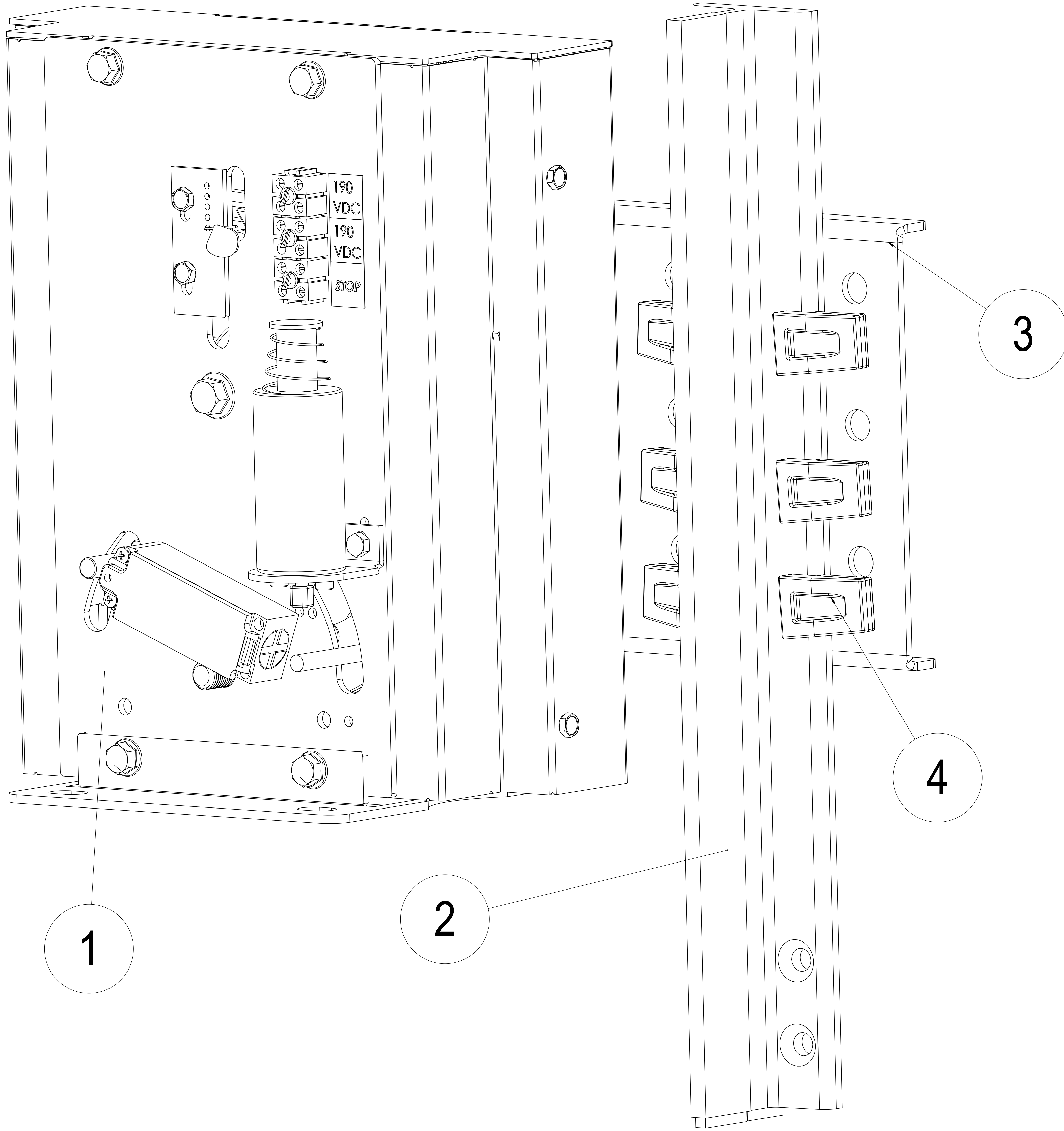




REGÜLATÖR ANA ÖLÇÜLERİ RESİMLERDE BELİRTİLMİŞTİR. REGÜLATÖRÜN SABİTLENMESİ İÇİN FİRMAMIZ TARAFINDAN ÜRETİLMİŞ OLAN REGÜLATÖR SABİTLEME TABLASINI YADA DİREK RAYA İRTİBATLAMAK İÇİN RAY BAĞLANTI PARÇASINI KULLANINIZ. FARKLI TİP TABLALAR KULLANILACAK İSE TABLA ÖLÇÜLERİ REGÜLATÖR ALT TABLASI ÖLÇÜLERİ İLE AYNI OLMALIDIR. AKSİ HALDE DOĞACAK ARIZALARDAN FİRMAMIZ SORUMLU TUTULAMAZ.



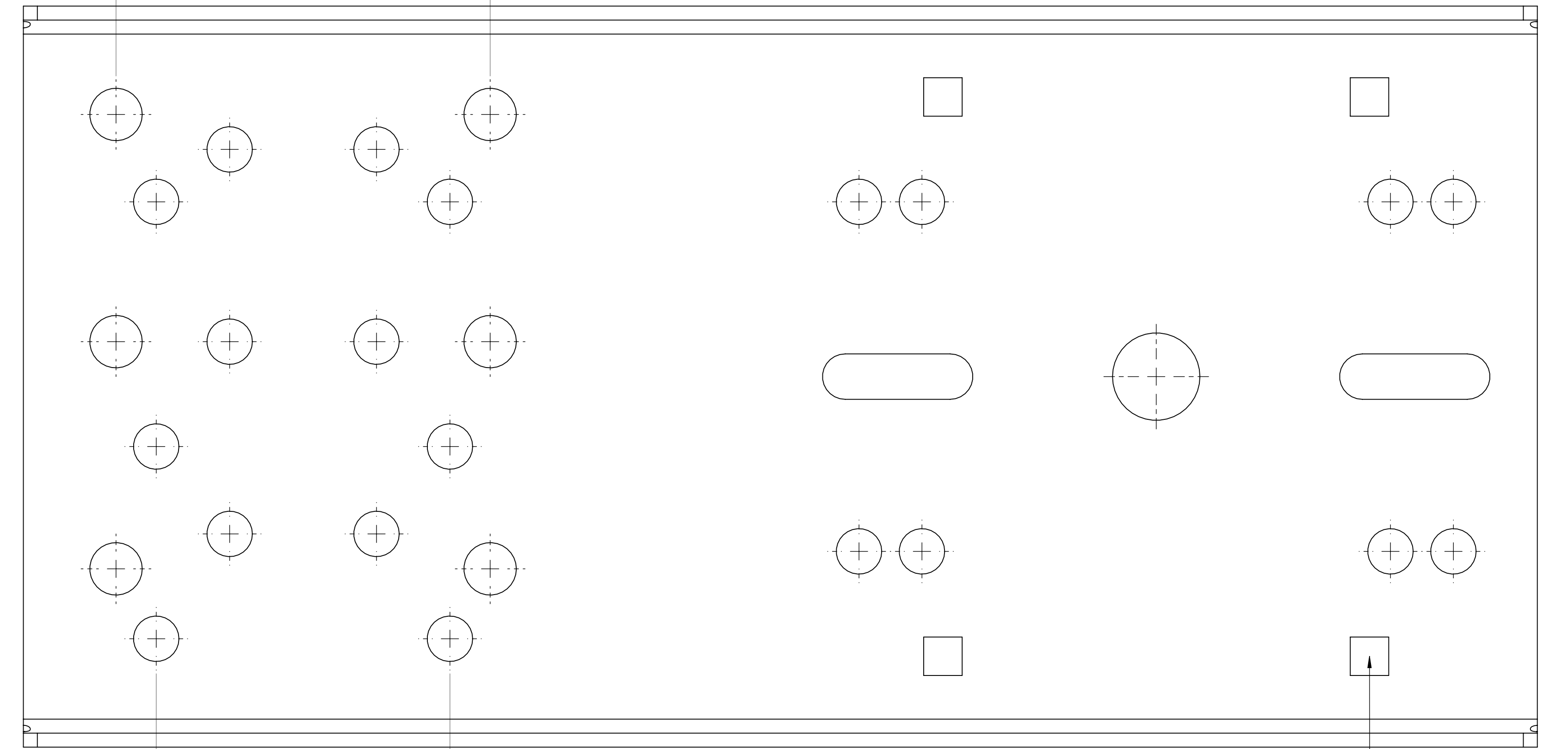
NO	TANIM
1	UZAKTAN KUMANDALI SWITCH
2	UZAKTAN KUMANDALI TEST BOBINI
3	TOPRAKLAMA GRUBU
4	REGÜLATÖR MÜHÜRÜ
5	KLEMENS GRUBU
6	M8X20 CİVATA
7	HALAT ATMA KORUMA PARÇASI
8	YAN KORUMA TUTUCU
9	UST KORUMA
10	REGÜLATÖR YAN GÖVDE
11	REGÜLATÖR ALT TABLASI
12	MRL MODÜL KASNAĞI
13	MEKANİK KİLİTLEME PARÇASI
14	YAN KORUMA
15	AYAR YAYI TUTUCU PLASTİK



YAN TARAFTA ÖBM-K MRL TİP REGÜLATÖRÜN RAYA ASKI APARATI İLE RAYA BAĞLANTISI GÖSTERİLMİŞTİR.

- 1- ÖBM-B MRL
- 2- ASANSÖR ANA RAYI
- 3- REGÜLATÖR ASKI APARATI
- 4- RAY TIRNAĞI

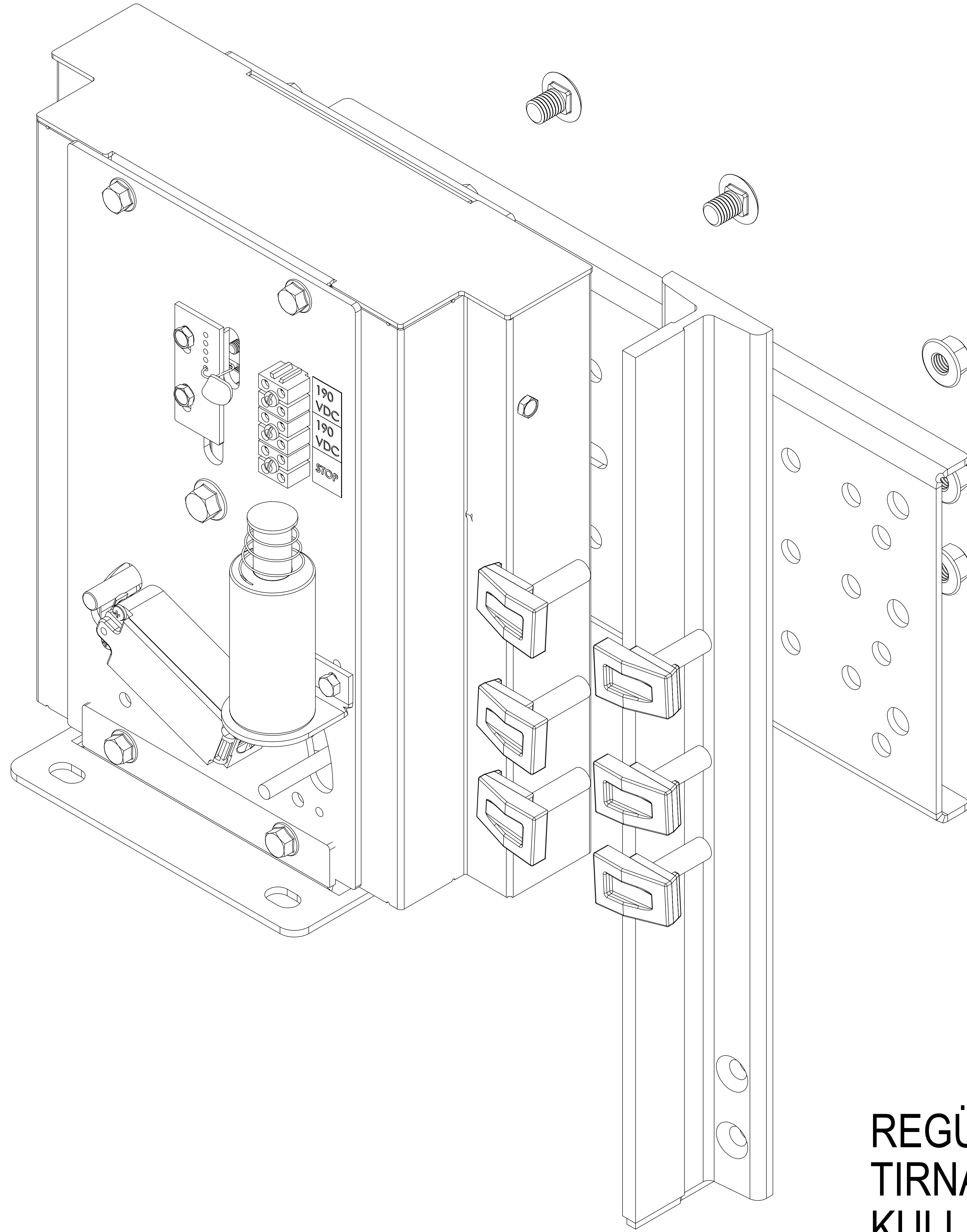
90 LİK RAY BAĞLANTI DELİKLERİ



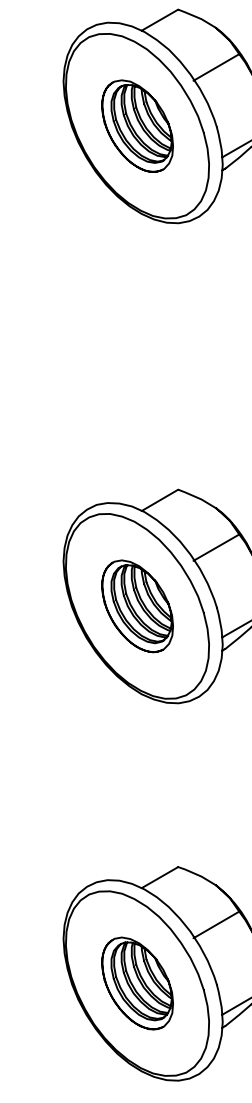
70 LİK RAY BAĞLANTI DELİKLERİ

REGÜLATÖR BAĞLAMA YUVALARI

REGÜLATÖR VE APARATIN İRTİBATLANMASI İÇİN M10X25 ZIPKA BAŞLI KARE DİPLİ CİVATA VE M10 FLANSLI SOMUNLAR APARAT ÜZERİNDE TAKILI OLARAK GÖNDERİLİR. REGÜLATÖR YAN KORUMALARI AÇILARAK APARAT VE REGÜLATÖR BU CİVATALAR VASITASI BİRBİRİNE İRTİBATLANDIRILIR.



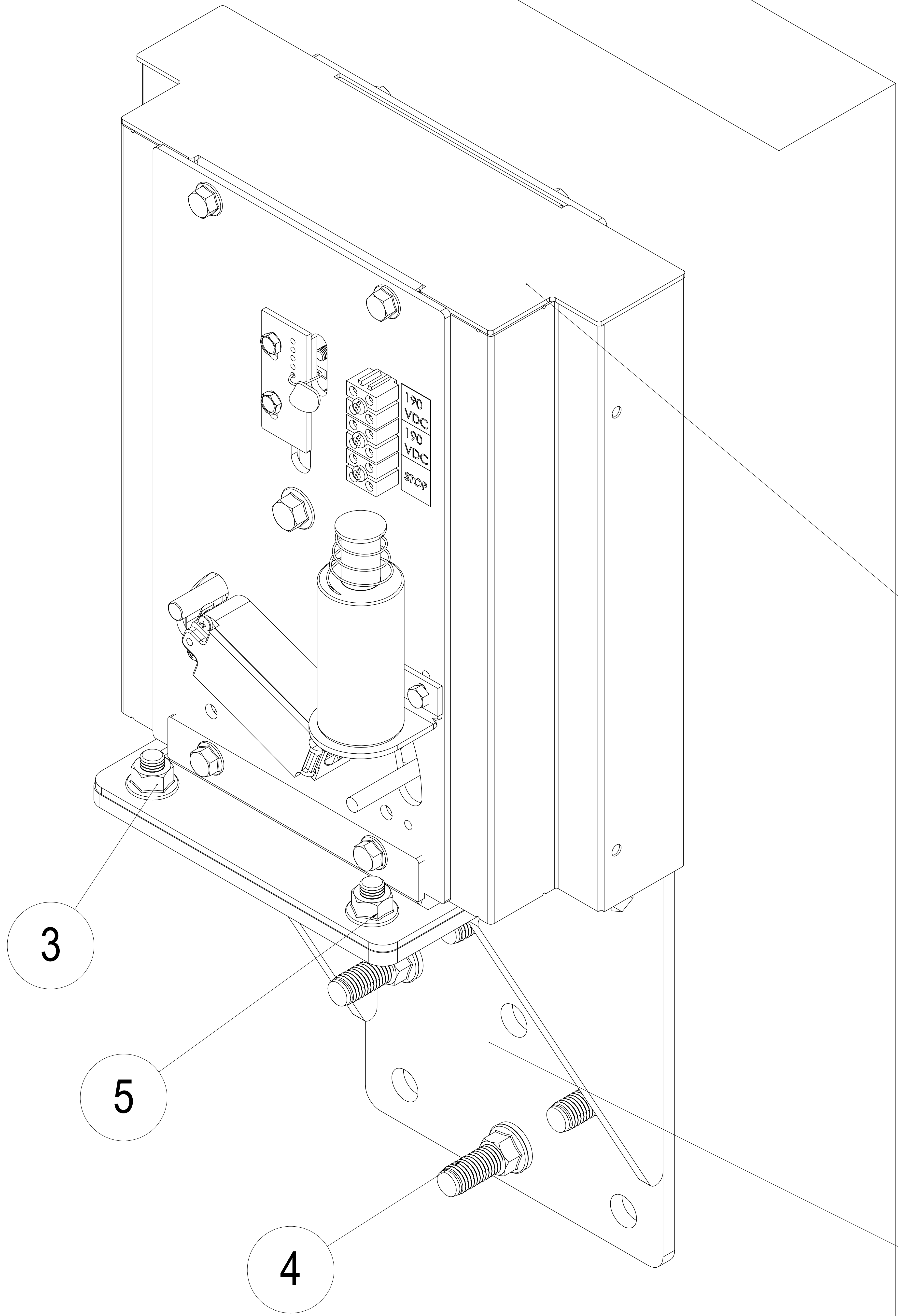
YAN TARAFTA RAYA , ASKI APARATIYLA SABİTLENMİŞ  
REGÜLATÖRÜN PATLATILMIŞ GÖRÜNÜŞÜ YER  
ALMAKTADIR.



RAY BAĞLANTI APARATI REGÜLATÖRÜN RAYIN  
HEM SOL , HEM DE SAĞ TARAFINA  
BAĞLANMASINI SAĞLAR

REGÜLATÖR 90 LİK RAYA BAĞLANIRKEN M3  
TIRNAK 70 LİK RAYA BAĞLANIRKEN M2 TIRNAK  
KULLANILMALIDIR.

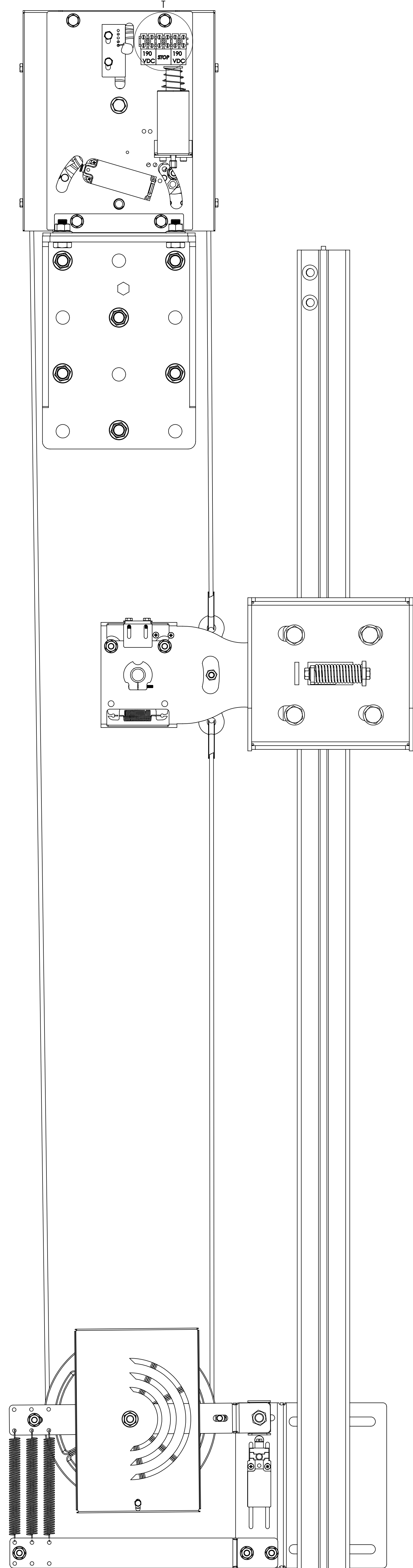
ÖBM-B MRL MODEL REGÜLATÖRÜ BİR TABLA VASITAYLA DUVARA MONTE EDİLEBİLİR. HAZIRLANACAK OLAN TABLA REGÜLATÖR ALT TABLA ÖLÇÜLERİ İLE AYNI OLMALIDIR. AKSİ HALDE İRTİBATLAMA HALATINDA SÜRTME DURUMLARI YAŞANABİLİR. TABLA DUVARA M12 ÇELİK DÜBELLER İLE SABİTLENİR. REGÜLATÖR, REGÜLATÖR ALT TABLASI ÜZERİNDE YER ALAN VE VERİLEN ÖLÇÜLERE UYGUN OLARAK AÇILMIŞ YUVALARA M12X25 FLANŞLI CİVATA VE M12 FLANŞLI SOMUN VASITASI İLE SABİTLENİR.



1

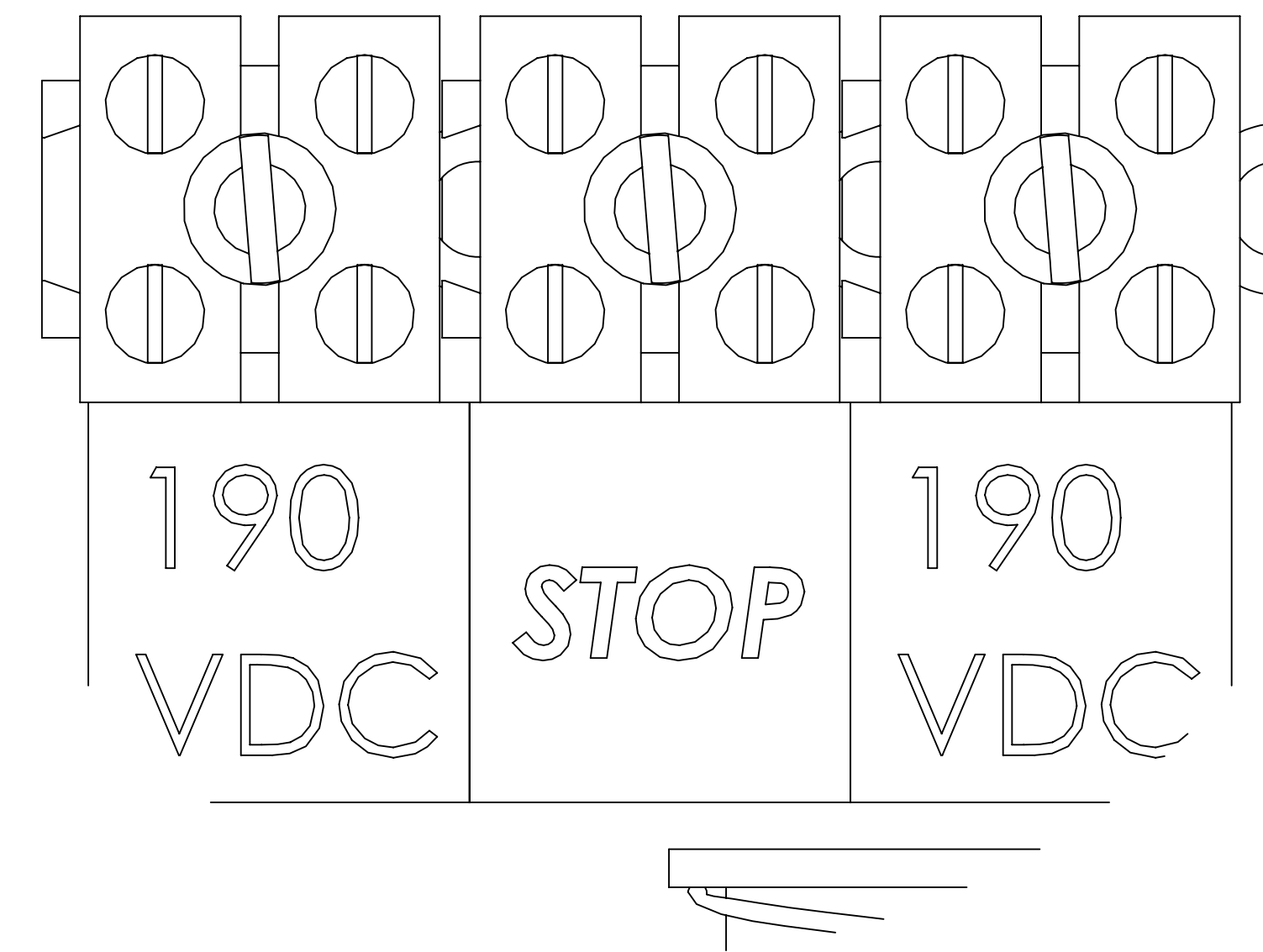
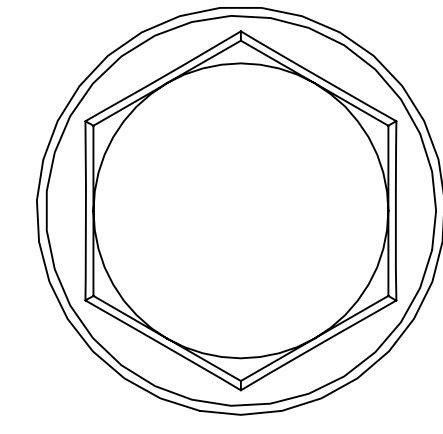
- 1- ÖBM-B MRL
- 2- REGÜLATÖR DUVARA MONTE TABLASI
- 3- M12 FLANŞLI SOMUN
- 4- M12 ÇELİK DÜBEL VE SOMUNU
- 5- M12X25 FLANŞLI CİVATA

2



ASKI APARATI YADA DUVARA MONTE EDİLEREK KULLANILAN ÖBM-B MRL MODELİNDE İRTİBATLANDIRMA HALATI BAĞLANTILARI ÖBM-B MR MODELİYLE AYNI ŞEKİLDE YAPILIR.

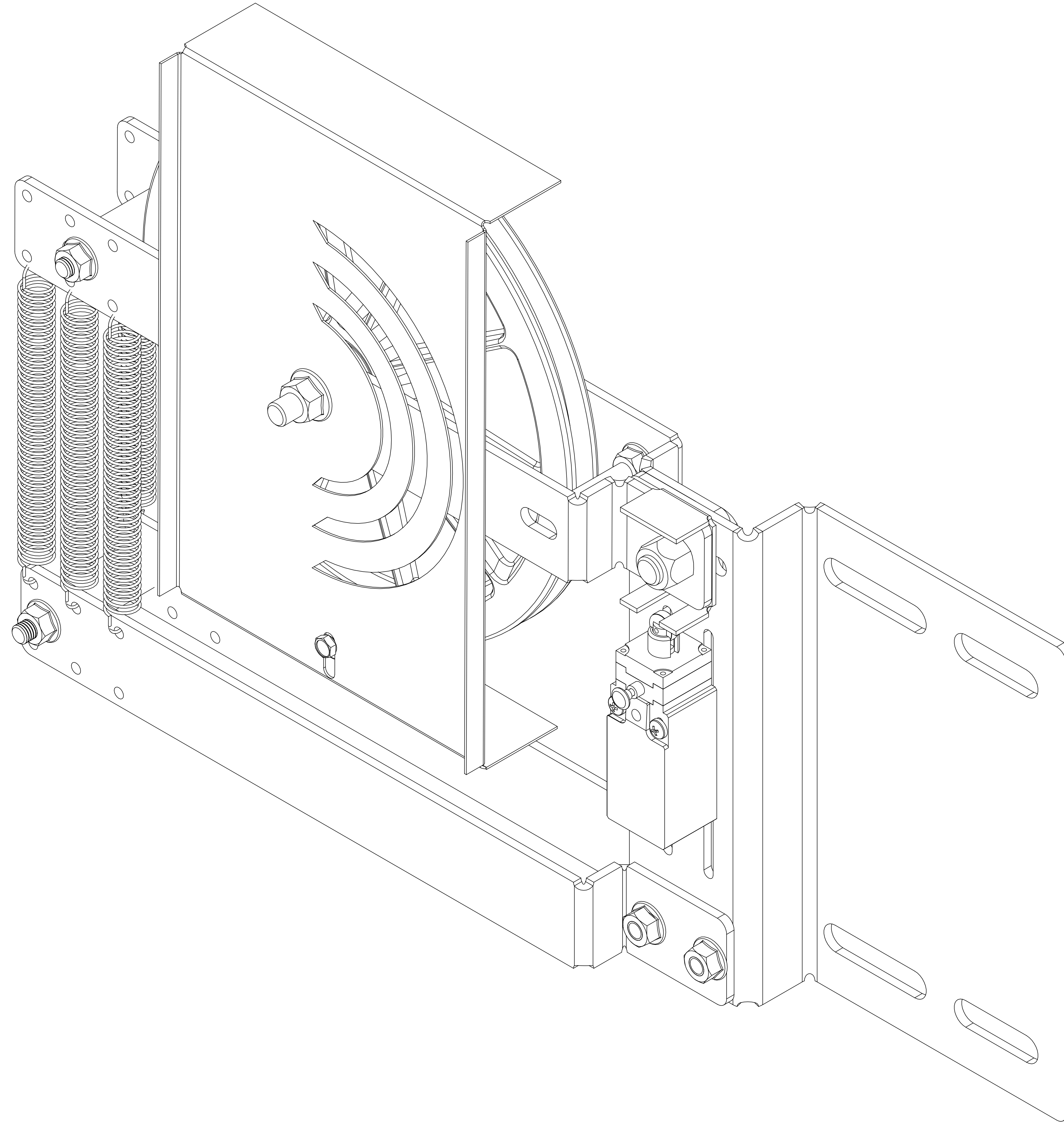
HALAT İRTİBATLANDIKTAN SONRA REGÜLATÖR YAN KAFESLERİ KAPATILMADAN HALAT KORUMA PARÇALARI KASNAĞA 1-2 MM KALANA KADAR YANAŞTIRILIR. BÖYLECE HALATIN HERHANGİ BİR DURUMDA ÇIKMASI ENGELLENMİŞ OLUR.



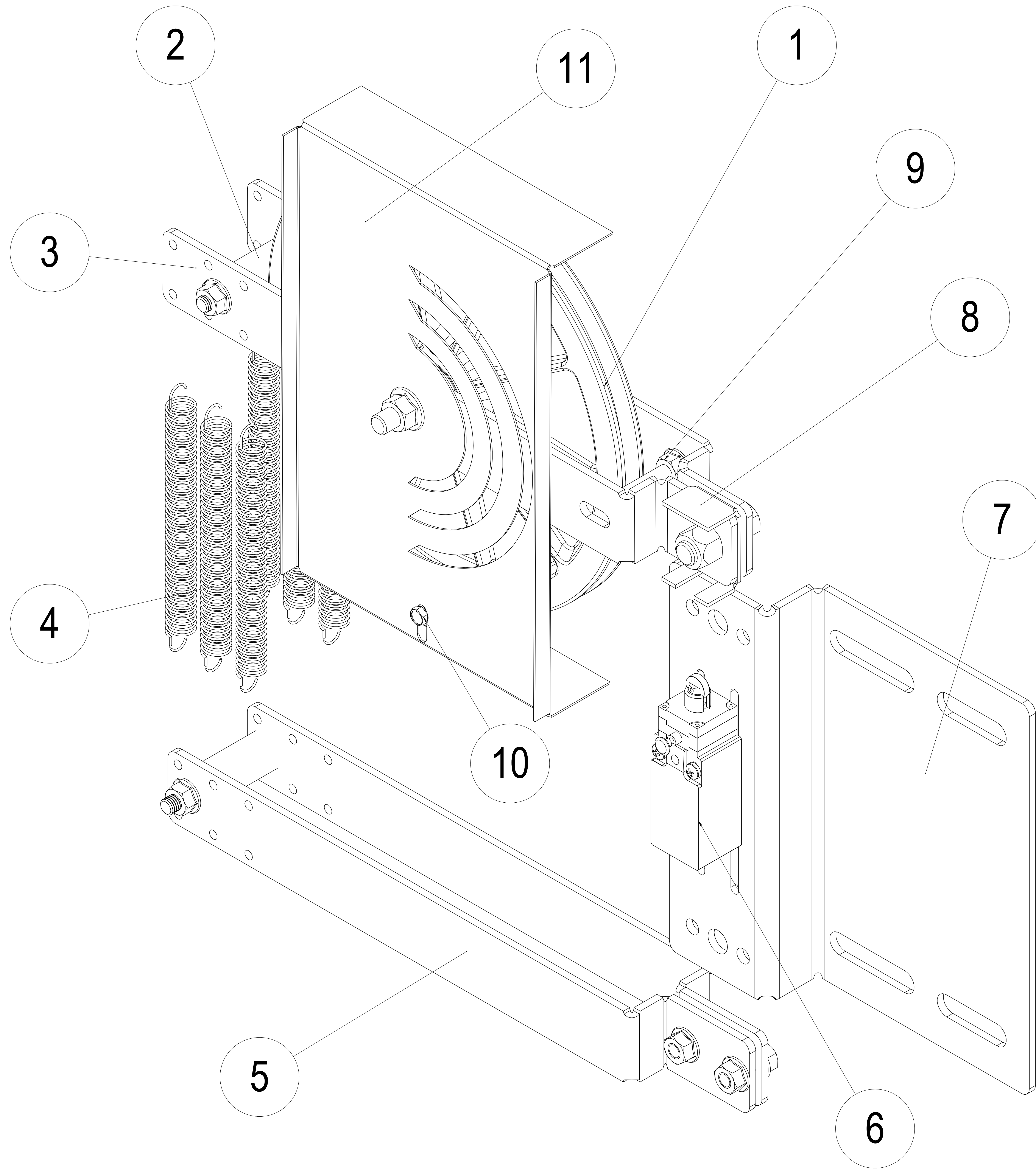
FİRMAMIZCA İLK BAĞLANTILARI YAPILIŞ VE ETİKETLENMİŞ OLAN KLEMESLER PANODAN GELEN KABLOLARA UYGUN ŞEKİLDE İRTİBATLANIR. ASANSÖR DEVREYE ALINMADAN ÖNCE UZAKTAN KUMANDALI SWITCHİN DEVRE DISİ OLDUĞU KONTOL EDİLMELİDİR.

ÖBM-B MRL ÜZERİNDE YER ALAN BOBİNİNE TEST ESNASINDA ENERJİ VERİLDİĞİNDE MEKANİK KİLİTLEME PARÇASI DEVREYE GİREREK REGÜLATÖR KASNAĞININ DÖNÜŞÜNÜ DURDURUR. BÖYLECE PARAŞÜT SİSTEME DEVREYE GİREREK ASANSÖRÜ FRENE GEÇİRİR. TEST BOBININE 10 sn DAHA UZUN SÜRE AKIM VERİLMEMELİDİR. AKSİ HALDE BOBİNDE OLUŞABİLECEK ZARARLARDAN FİRMAMIZ SORUMLU DEĞİLDİR. AYRICA ÖBM-B MRL ÜZERİNDE YER ALAN UZAKTAN KUMANDALI SWITCHE ENERJİ VERİLEREK FREN SİSTEMİNİN DEVREYE GİRMESİYLE NORMALDE AÇIK KONUMA GELEN ASANSÖR DEVRESİNİ TEKRARDAN NORMALDE KAPALI KONUMUNA GETİREREK ASANSÖRÜN NORMAL BİR ŞEKİLDE ÇALIŞMASINA OLANAK SAĞLAR. UZAKTAN KUMANDALI SWITCHE 1 sn DEN UZUN SÜRE AKIM VERİLMEMELİDİR. AKSİ HALDE SWITCHDE HASAR OLUŞACAĞI UNUTULMAMALIDIR.

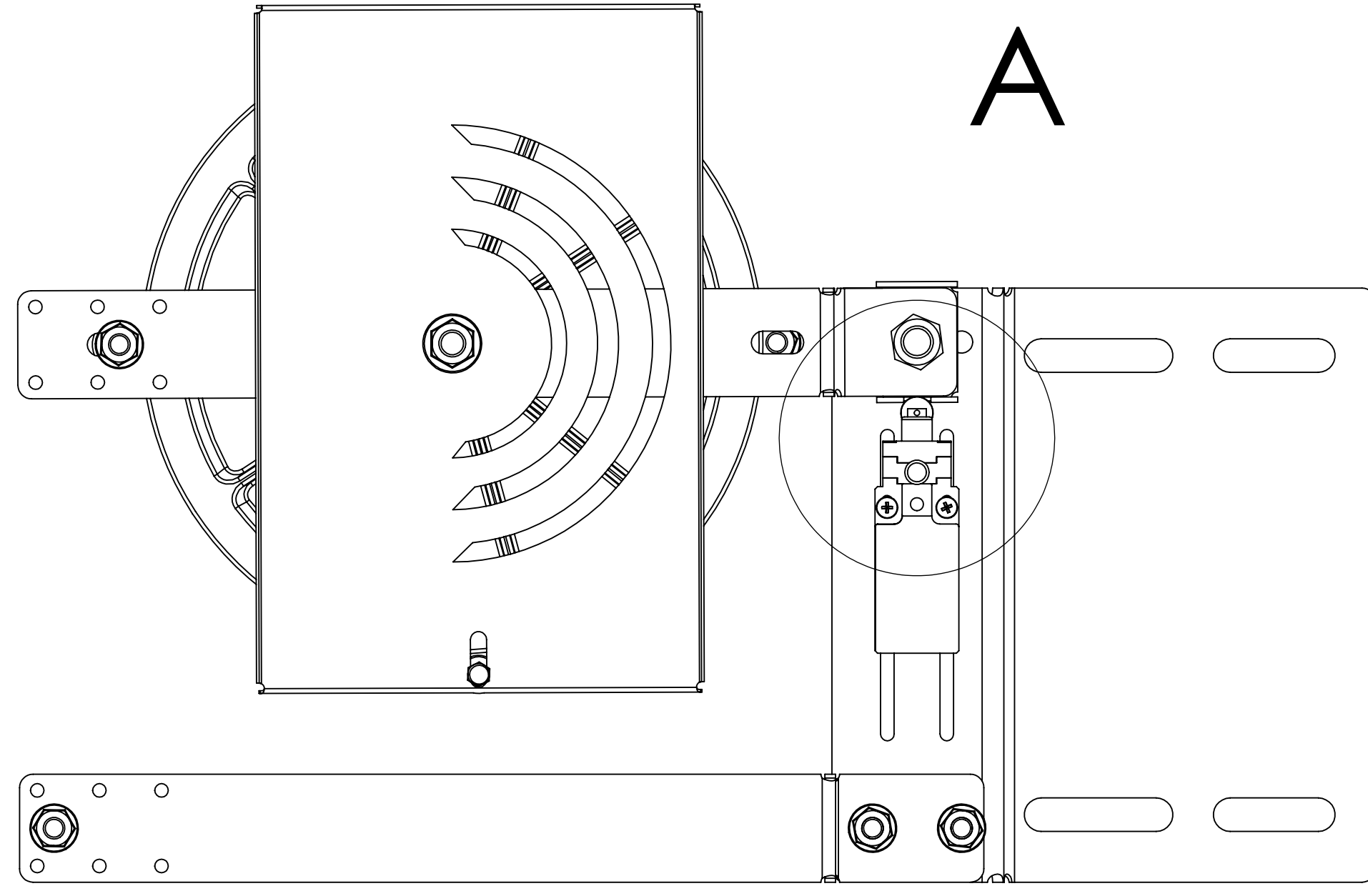
# ÖZBEŞLER ASANSÖR REGÜLATÖR ALT GERGİ KASNAĞI KULLANIM VE KURULUM KLAVUZU



2022

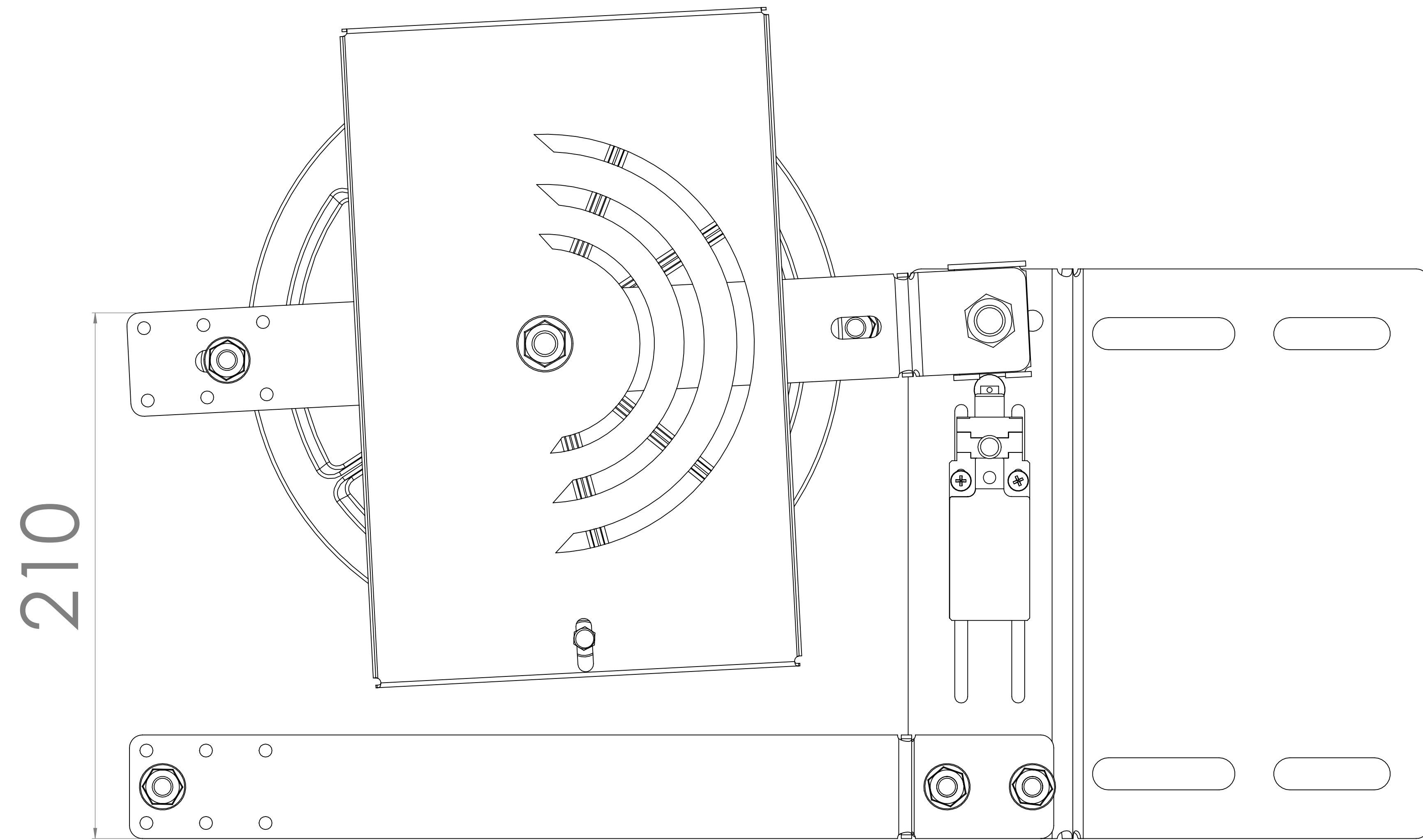


NO	TANIM
1	ALT GERGİ KASNAĞI
2	SOL YAN HALAT KORUMA BURCU
3	ÜST KOL GRUBU
4	YAY GRUBU
5	ALT KOL GRUBU
6	SINIR ŞALTER
7	RAYA BAĞLANTI PARÇASI
8	SINIR ŞALTER AKTİVASYON PARÇASI
9	SAĞ YAN HALAT KORUMA PİMİ
10	ALT HALAT KORUMA PİMİ
11	KASNAK KORUMA SACI



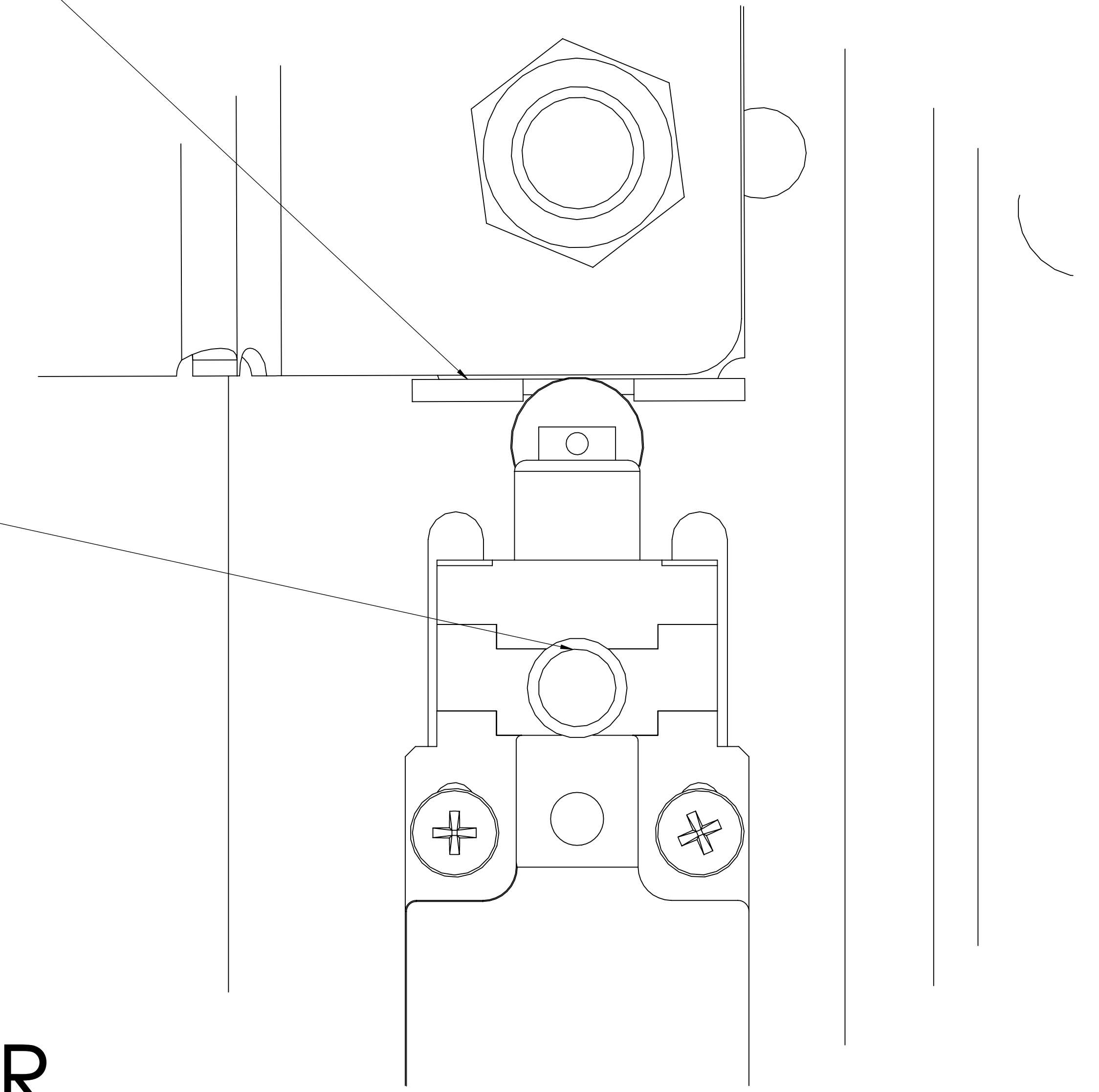
MONTAJA BAŞLANMADAN SINIR ŞALTERİN AYARININ YAPILMASI GEREKMEKTEDİR. BUNUN İÇİN ÖNCE YAY GRUBU KOL GRUPLARINDAN AYRILIR. DAHA SONRA SINIR ŞALTER; SINIR ŞALTER AKTİVASYON PARÇASINA ÜST YÜZEYİNE SIFIR OLACAK ŞEKİLDE YAKLAŞTIRILIR. KOL GRUPLARI ARASINDAKİ ÖLÇÜ 210 mm KADAR KAPATILIR VE KOL GRUPLARI ARASINDAKİ ÖLÇÜ 210 mm OLDUĞUNDA SINIR ŞALTERİN AKTİF OLDUĞU GÖZLEMLENİR. AKSİ HALDE İSE SINIR ŞALTER YAKLAŞTIRILARAK AKTİF OLMASI İÇİN UYGUN ÖLÇÜ YAKALANIR. AKTİF OLAN SINIR ŞALTER CİVATA VASITASI İLE SABİTLENİR. SINIR ŞALTER ,AYARLAMADAN SONRA RESETEME MANDALI VASITASI İLE RESETELMELİDİR. AYARLAMA İŞLEMİ TEKRARLANARAK ŞALTERİN KARARLI ÇALIŞTIĞI GÖZLEMLENİR.

SINIR ŞALTER AKTVASYON PARÇASI ÜST YÜZEYİ

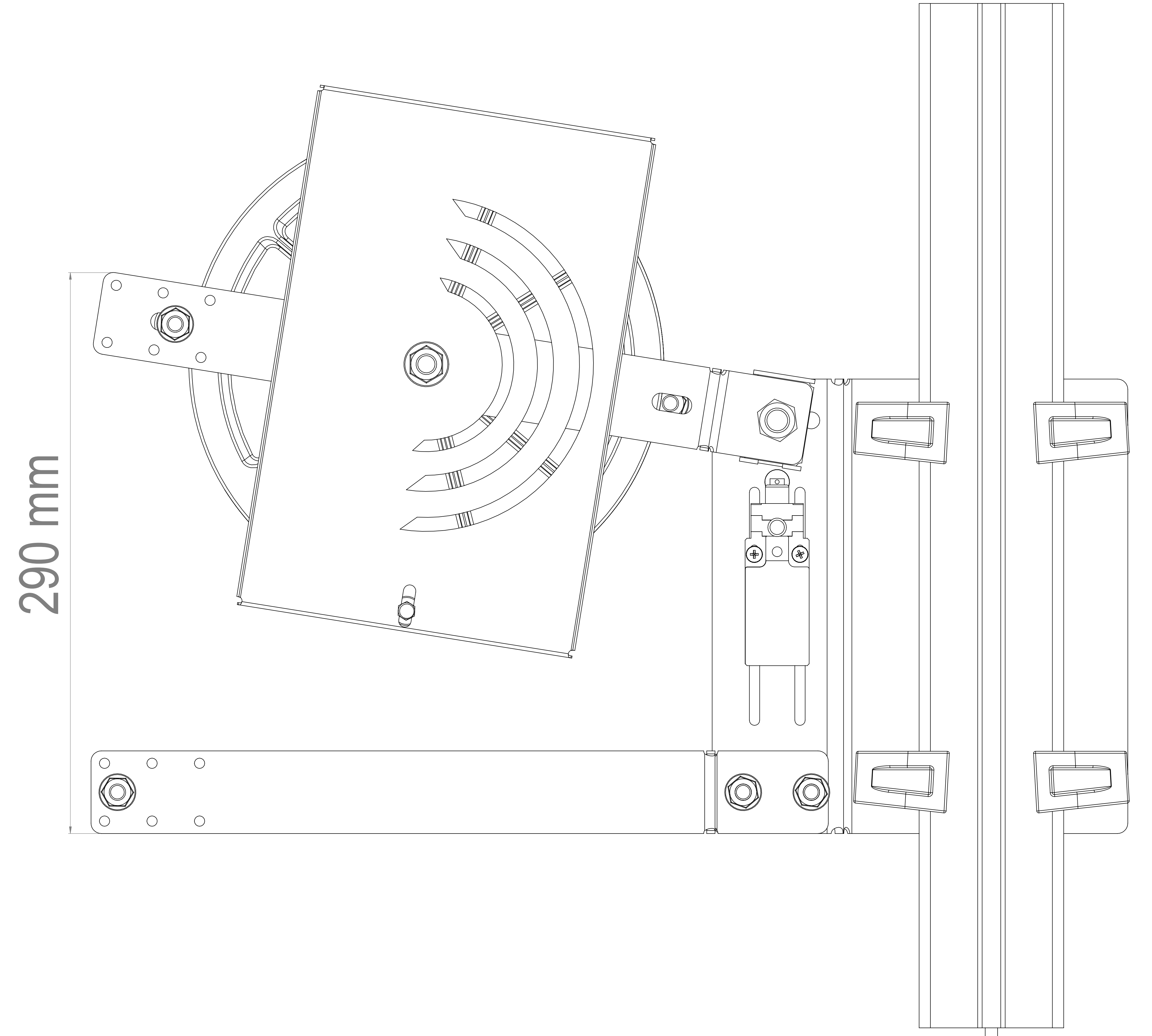
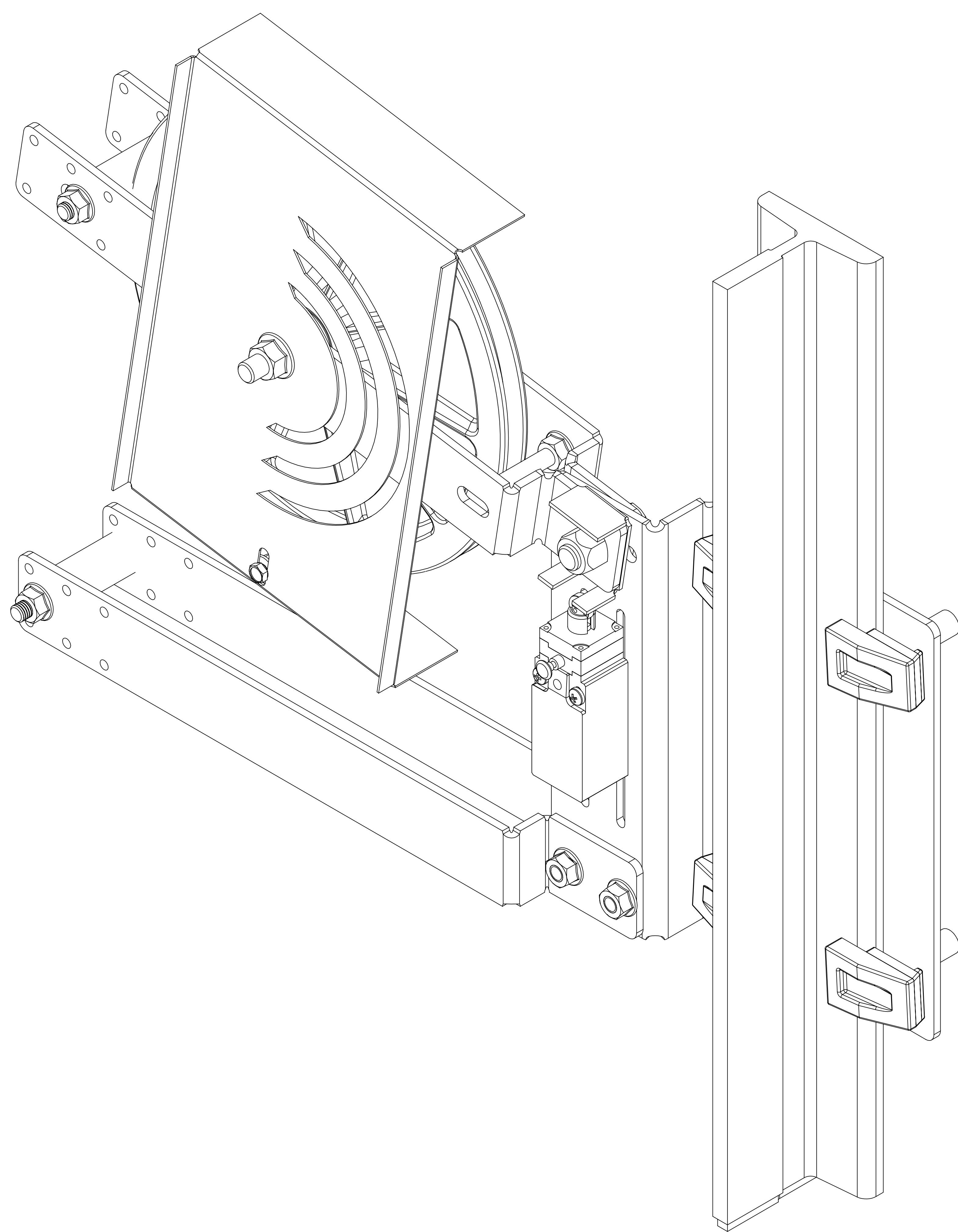


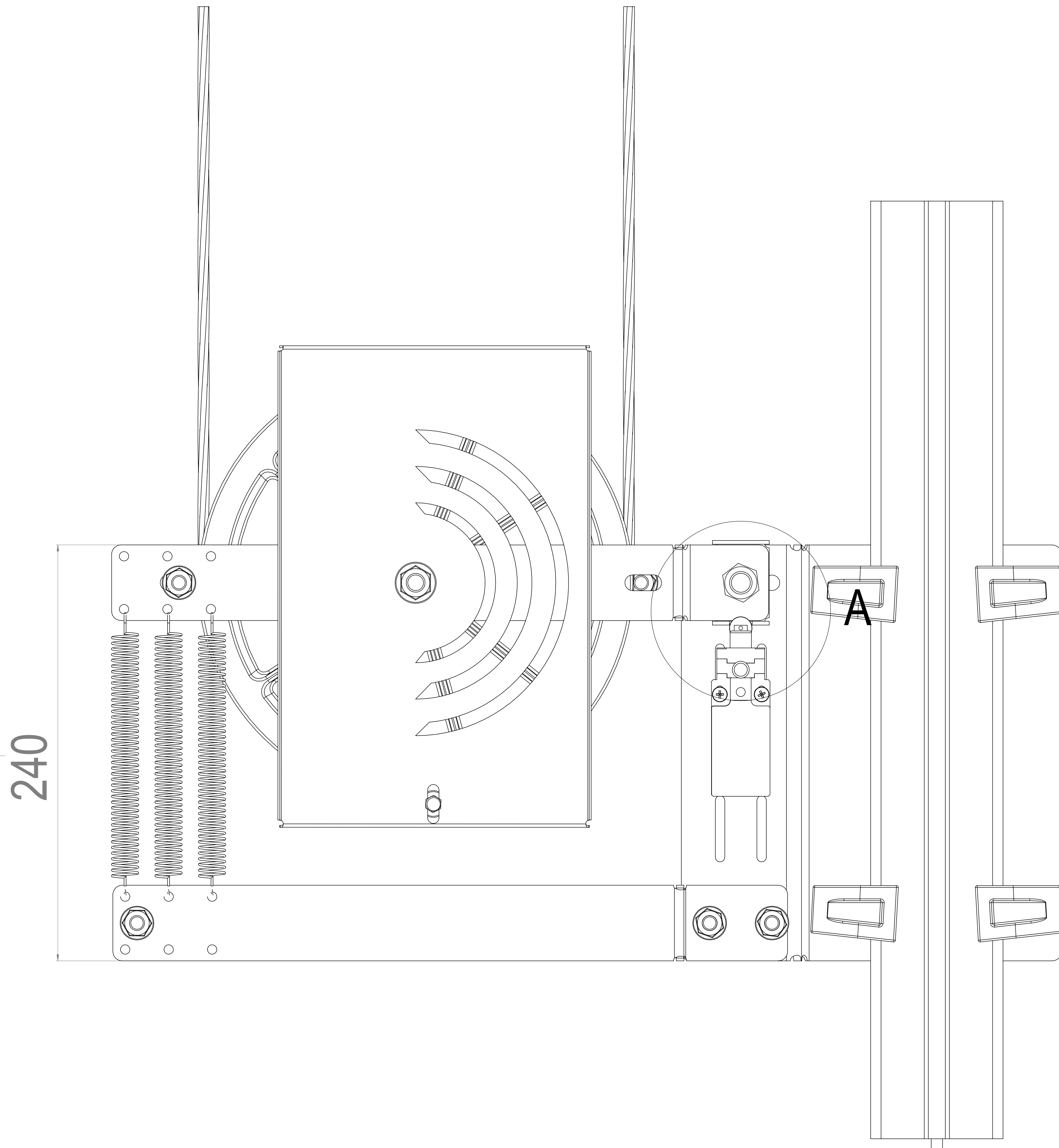
RESETEME MANDALI

KOL GRUPLARI 210 mm YE GETİRİLDİĞİNDE SINIR ŞALTER MUTLAKA AKTİF OLMALIDIR.



SINIR ŞALTERİN AYARININ YAPILMASININ ARDINDAN GERGİ KASNAĞI RAYA İRTİBATLANIR. REGÜLATÖR ALT GERGİ KASNAĞI RAYA İRTİBATLANIRKEN , 50 LİK RAY İÇİN M1 , 70 LİK RAY İÇİN M2, 90 LİK RAY İÇİN M3 TIRNAK VASITASI İLE RAYA AŞAĞIDA GÖSTERİLDİĞİ GİBİ TUTTURULUR. ALT VE ÜST KOL GRUBU ARASINDAKİ MESAFE DIŞTAN DIŞA ÖLÇÜSÜ 29 cm OLANA KADAR ÜST KOL GRUBU YUKARI YÖNDE HAREKET ETTİRİLİR. DAHA SONRA FREN , REGÜLATÖR VE ALT GERGİ KASNAĞI İRTİBATLAMA HALATI VASITASI İLE BİRBİRİNE İTİBATLANIR. ANA RAYLARINIZIN 125 LİK OLMASI DURUMUNDA FİRMAMIZA SİPARİŞ ESNASINDA BİLDİRMENİZ GEREKMEKTEDİR.

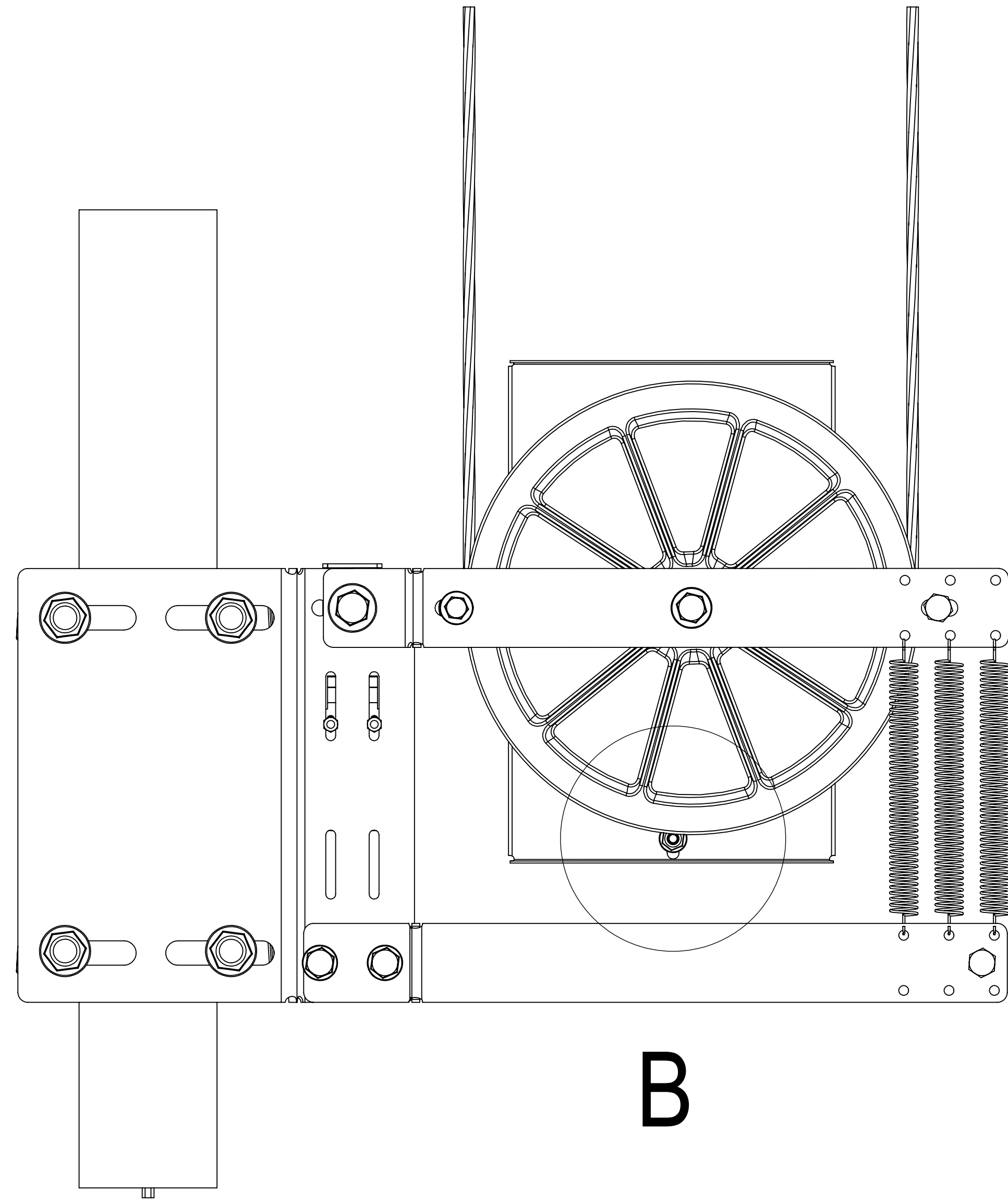




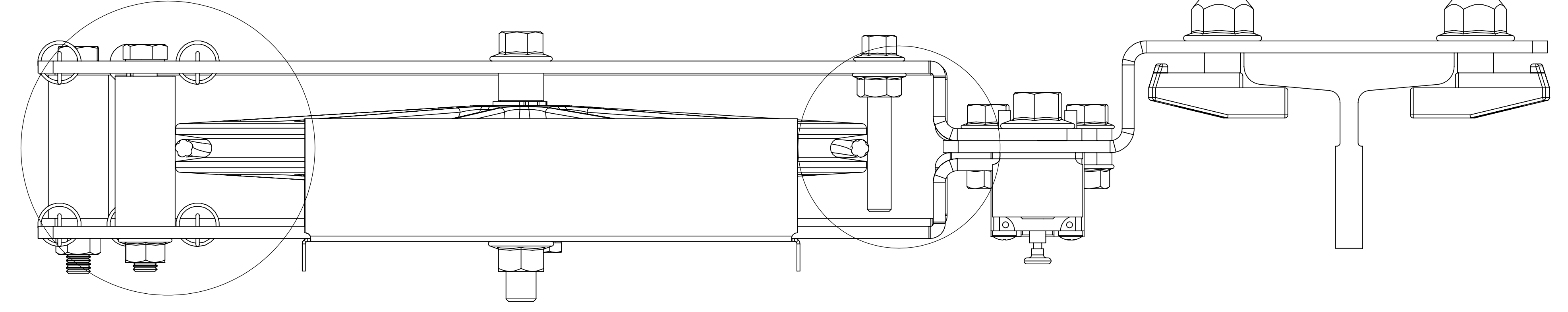
290 mm KADAR AÇILAN ÜST KOL GRUBUNA YAY GRUBU İRTİBATLANIR , ÜST KOL GRUBU ALT KOL GRUBUNA GÖRE HALAT BOYU DEĞİŞTİRİLEREK PARALEL HALE GETİRİLİR ;BU DURUMDA ÜST VE ALT KOL GRUPLARI ARASI DIŞTAN DIŞA 240 mm OLUR. ÜST KOL GRUBU YAY GRUBU VASITASI İLE İRTİBATLAMA HALATI ÜZERİNDE 450 N KUVVET OLUŞTURUR. PERİYODİK KONTROLLERDE ÜST VE ALT KOL GRUPLARI ARASI HALAT UZAMASINDAN ÖTÜRÜ DIŞTAN DIŞA 220 mm VE ALTINA İNMIŞ İSE HALAT TEKRAR GERDİRİLEREK ÖLÇÜ 240 mm YE AYARLANIR.

İRTİBATLAMA HALATININ KOPMASIDURUMUNDA ÜST KOL GRUBU AŞAĞI YÖNDE YAY KUVVETİ İLE HAREKET EDEREK SINIR ŞALTERİ AKTİF EDER.

MONTAJ İŞLEMİNİN YAPILMASINDAN SONRA HALATIN ÇIKMASINI ENGELLEMELİK İÇİN 3 NOKTADAN HALAT KORUMALARININ AYARLAMASI YAPILMALIDIR.

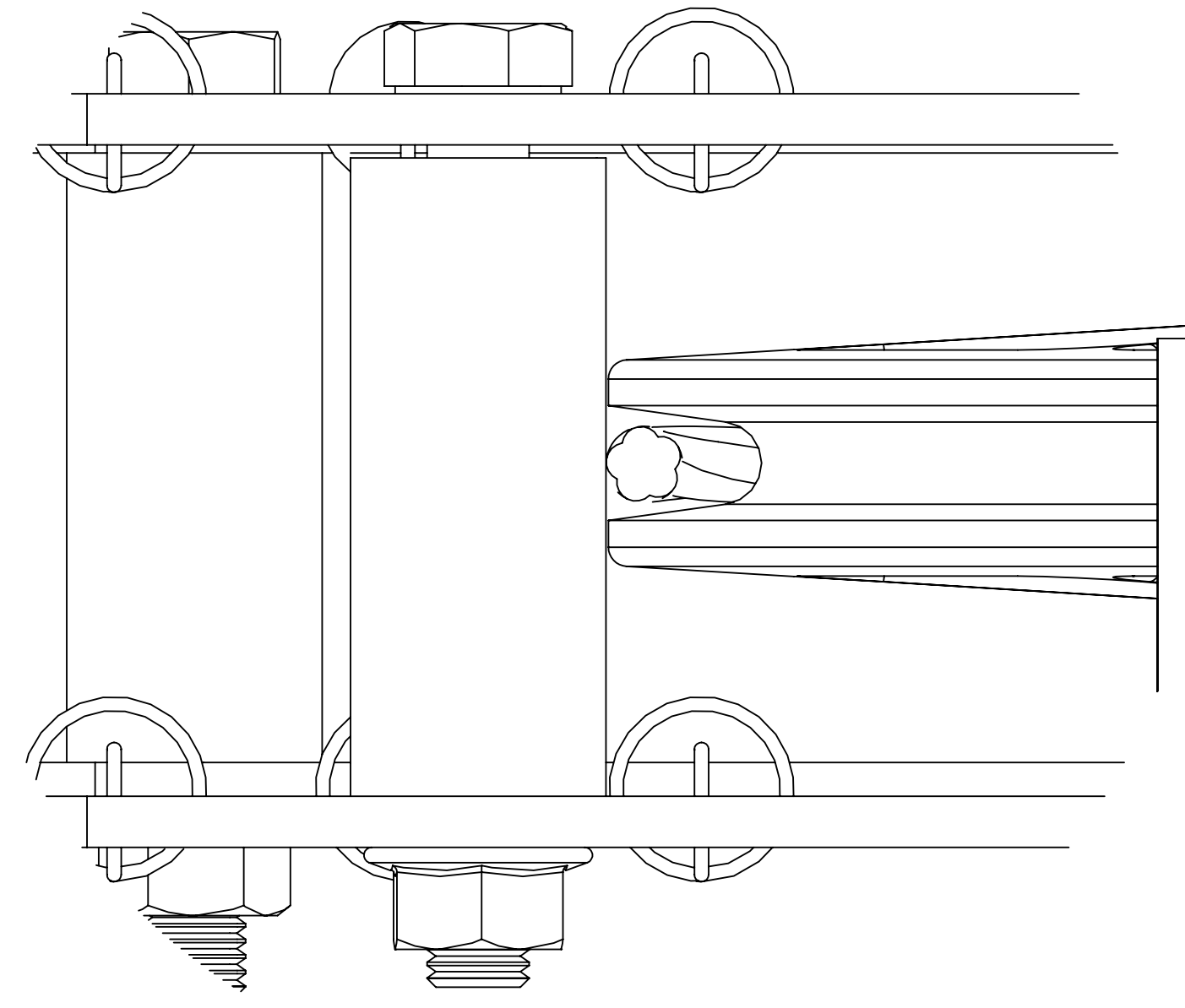


B

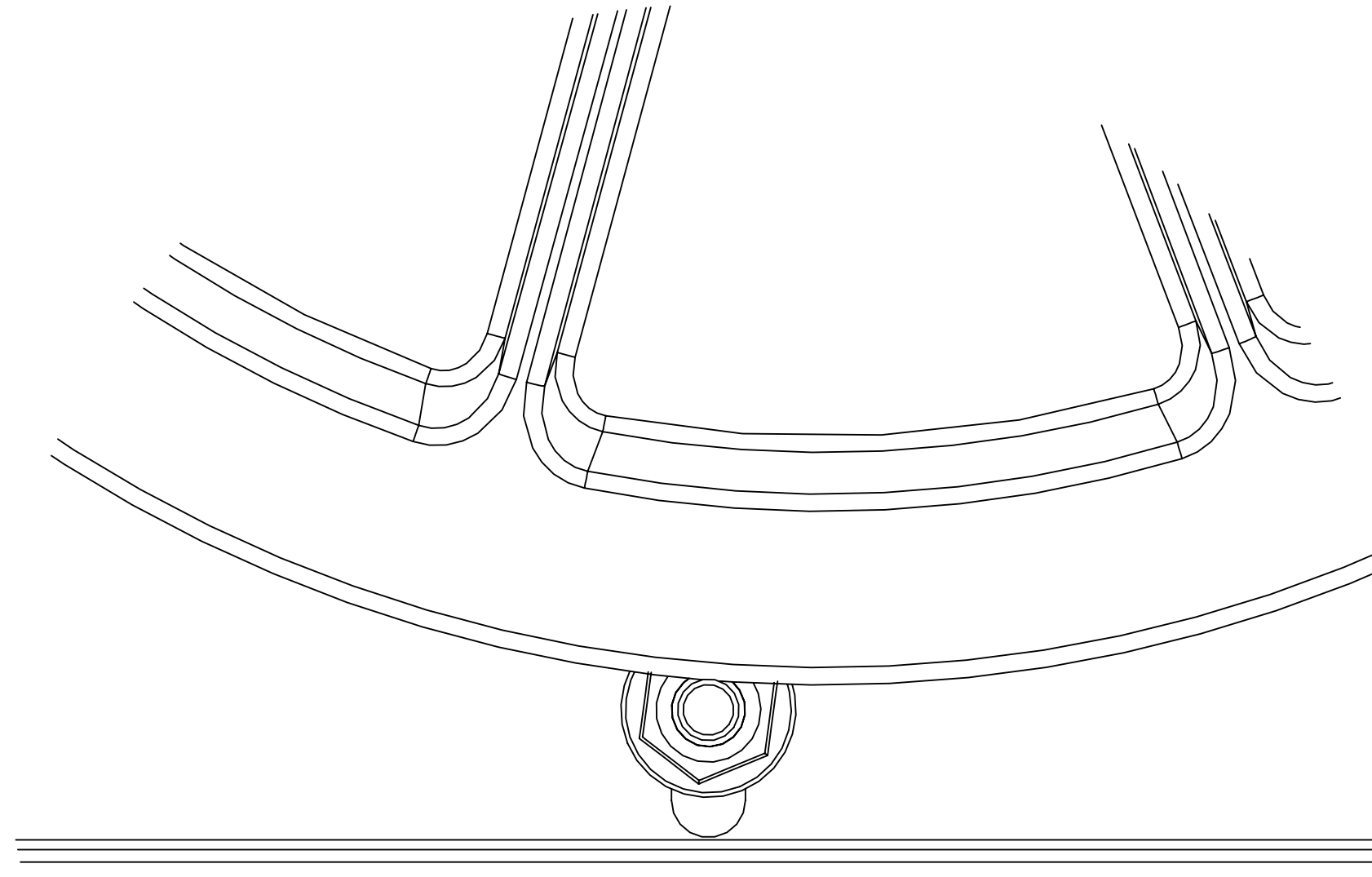


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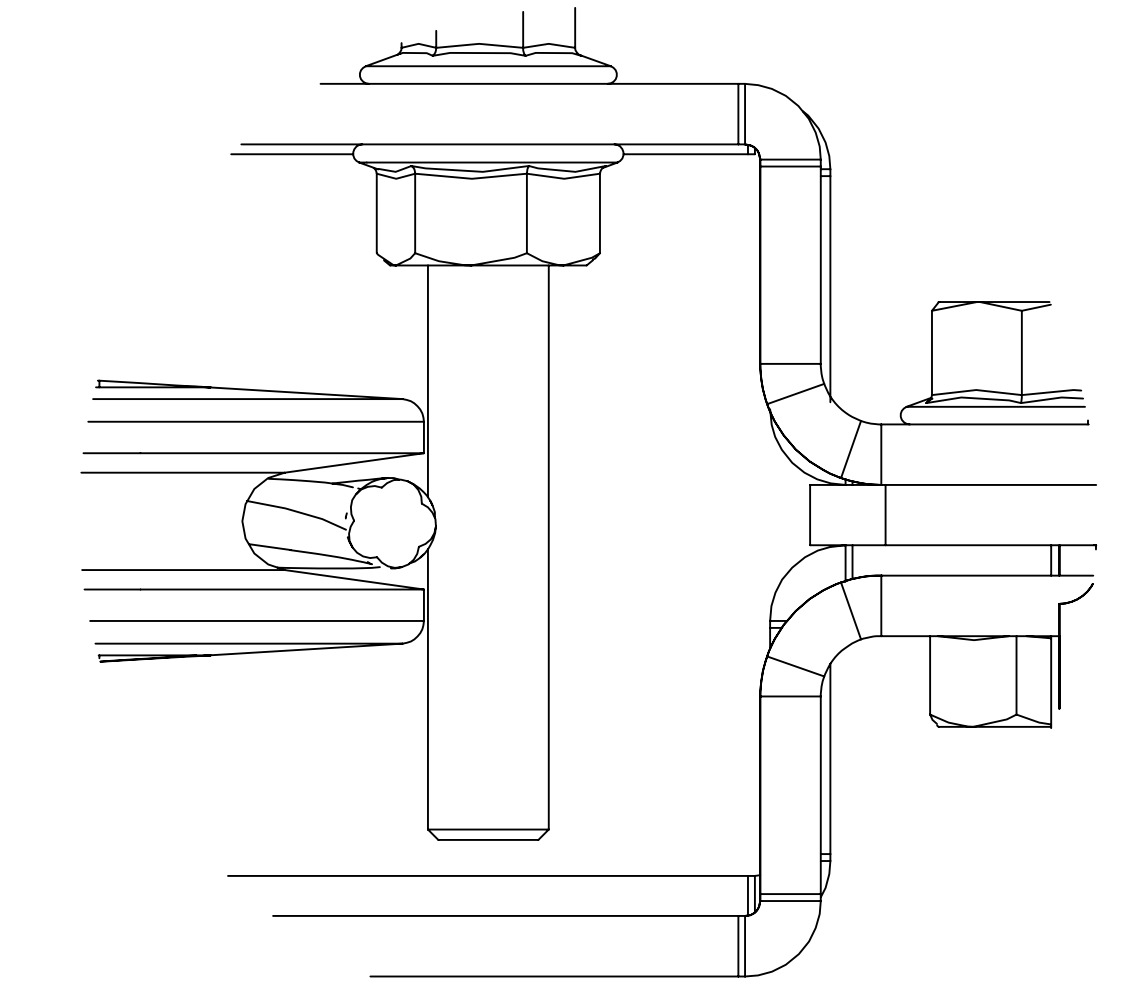
D



DETAY C  
SOL YAN



DETAY B  
ALT



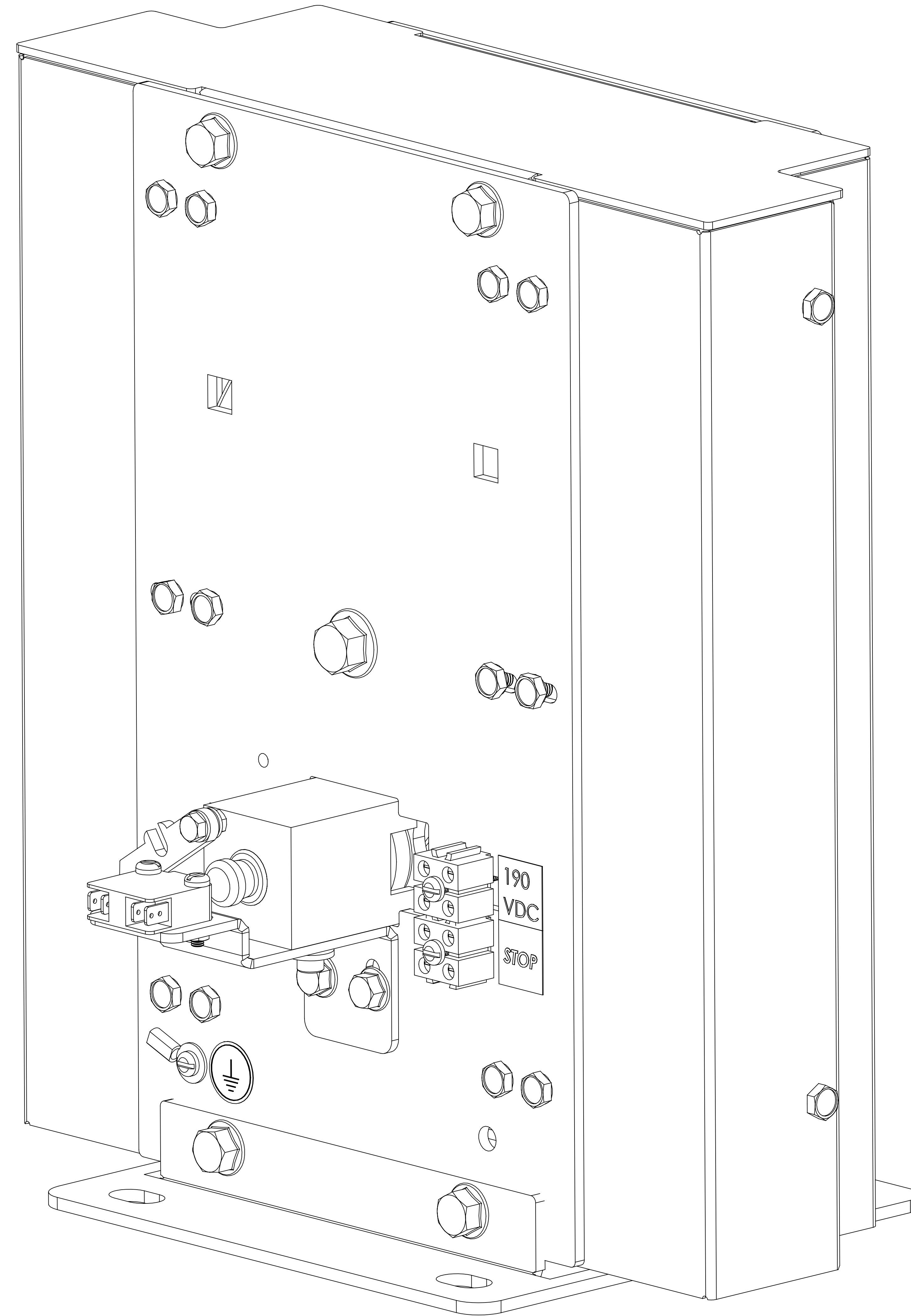
DETAY D  
SAĞ YAN

SOL YAN , ALT VE SAĞ YAN HALAT KORUMA PİMLERİ KASNAĞA 1-2 mm KALANA KADAR YAKLAŞTIRILIR.

PERİYODİK KONTROLLERDE HALAT VE YAY GRUBUNUN GERGİNLİĞİ , PİMLERİN VE SWITCHİN POZİSYONU KONTROL EDİLMELİDİR. KURULUM KLAVUZUNA AYKIRI BİR DURUM VAR İSE KURULUMA GÖRE AYARLAMALAR TEKRAR YAPILIR.

# OZBESLER LIFT COMPANY

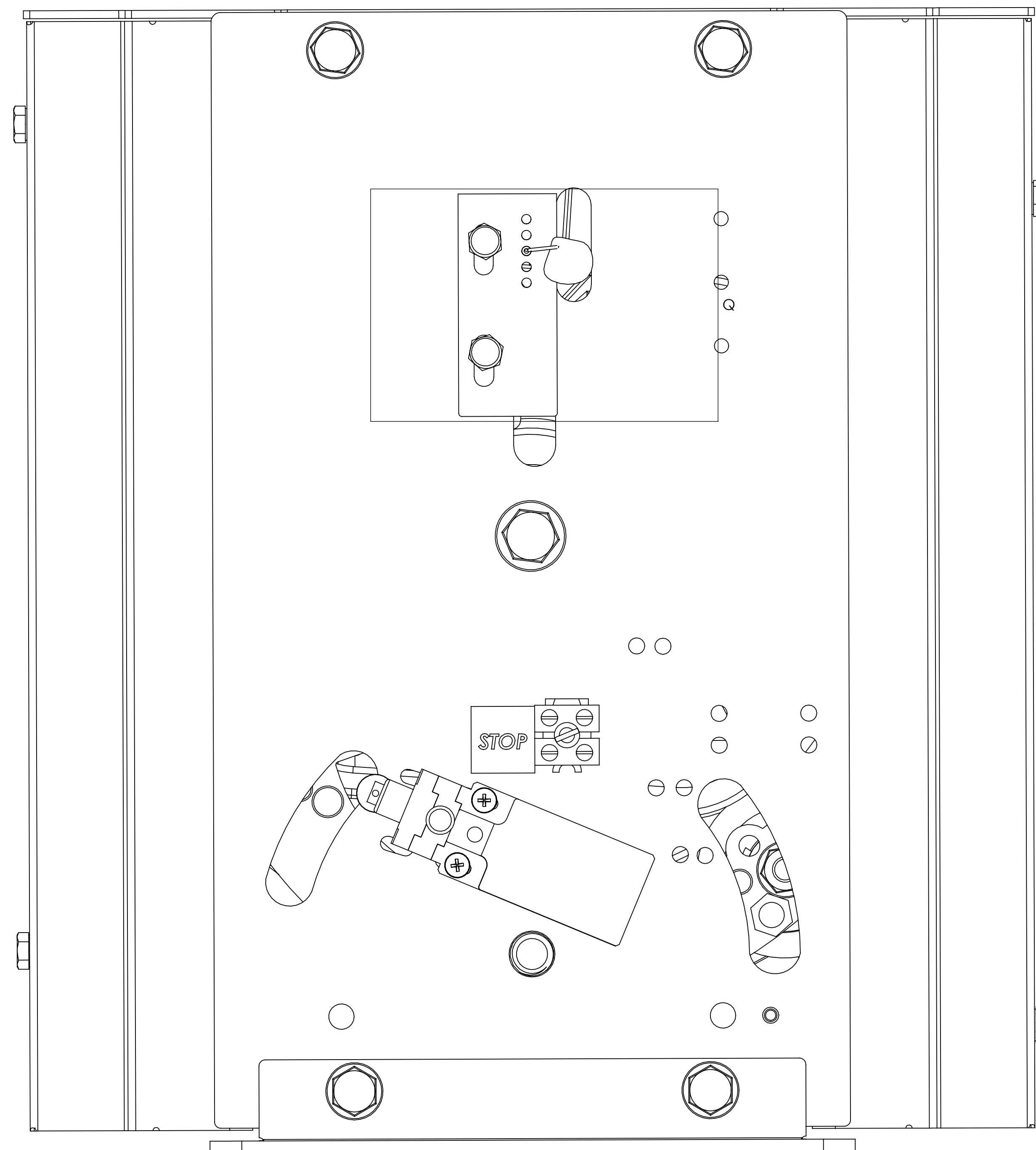
## BI-DIRECTIONAL OVER SPEED GOVERNER INSTALLATION, OPERATION AND MAINTENANCE GUIDE



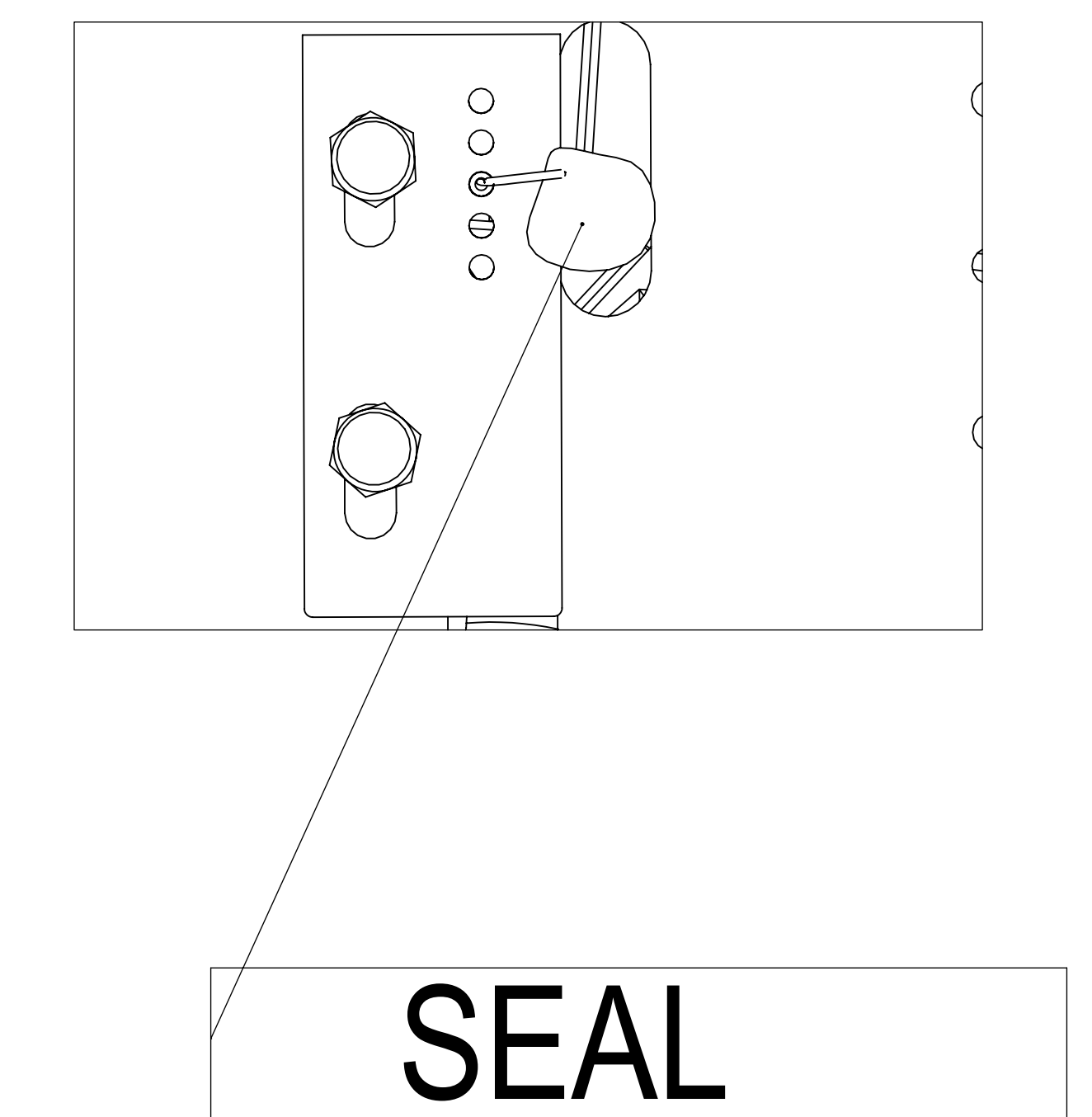
ÖBM-B MR AND ÖBM-B MRL

## TYPES OF OVER SPEED GOVERNOR ACCORDING TO NOMINAL SPEED

BELOW, THE TYPES OF THE ÖBM-B MR MODEL IS DETERMINED ACCORDING TO THE NOMINAL SPEEDS.



TYPES	NOMINAL SPEED(m/s)
HR 40	0.40
HR 50	0.50
HR 63	0.63
HR 80	0.80
HR 90	0.90
HR 100	1
HR 120	1.20
HR 160	1.60
HR 200	2.00



ACCORDING TO THE NOMINAL SPEED VALUES OF THE OVER SPEED GOVERNORS ARE INDICATED IN THE TABLE THAT ABOVE. OPERATING AND LOCKING SPEEDS HAVE BEEN SET UP AND SEALED BY OUR COMPANY . ALSO LIMIT SWITCH ADJUSTMENT AND SEAL BY OUR COMPANY , DEFINITELY THIS POSIOTION IS NOT INTERFERED. SPEED GOVERNORS WHOSE SEAL IS BROKEN OR SEAL AND LIMIT SWITCH ARE INTERFERED WITH ARE CONSIDERED WARRANTY-OUT. FURTHERMORE, OUR COMPANY IS NOT RESPONSIBLE FOR ANY PROBLEMS AND ACCIDENTS THAT MAY BE CAUSED BY OVERSPEED THAT HAVE BEEN INTERVENED OR INSTALLED IN THE INSTRUCTIONS FOR USE AND INSTALLATION.

## OVER SPEED GOVERNOR LABEL

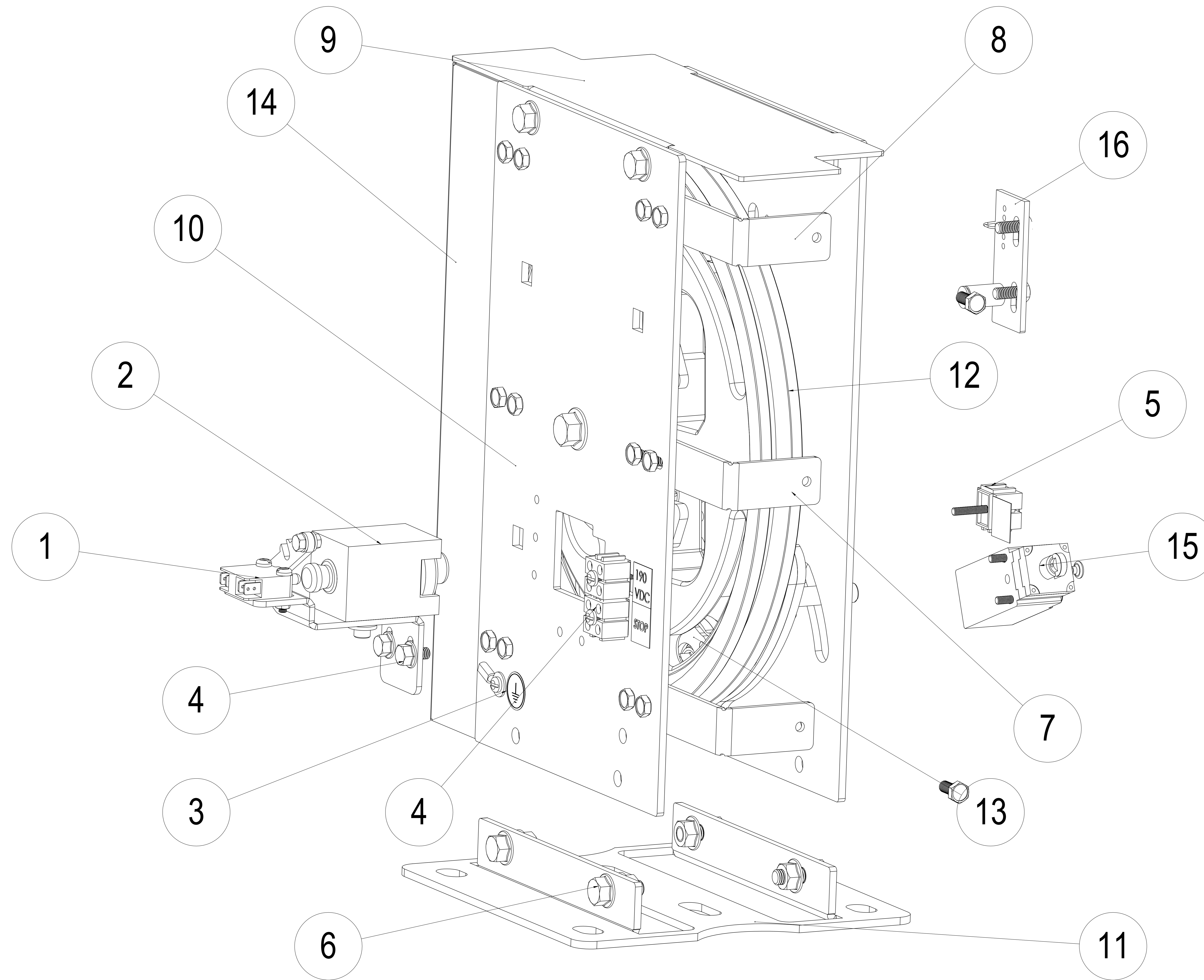


ON THE OVER SPEED GOVERNOR LABEL ;

- OVER SPEED TYPE
- NOMINAL SPEED
- TRIPPING SPEED
- TYPE EXAMINATION NUMBER
- SERIAL NUMBER (PARTİ+SERİ)
- FEED CURRENT
- PRODUCTION DATE
- UP AND DOWN DIRECTION

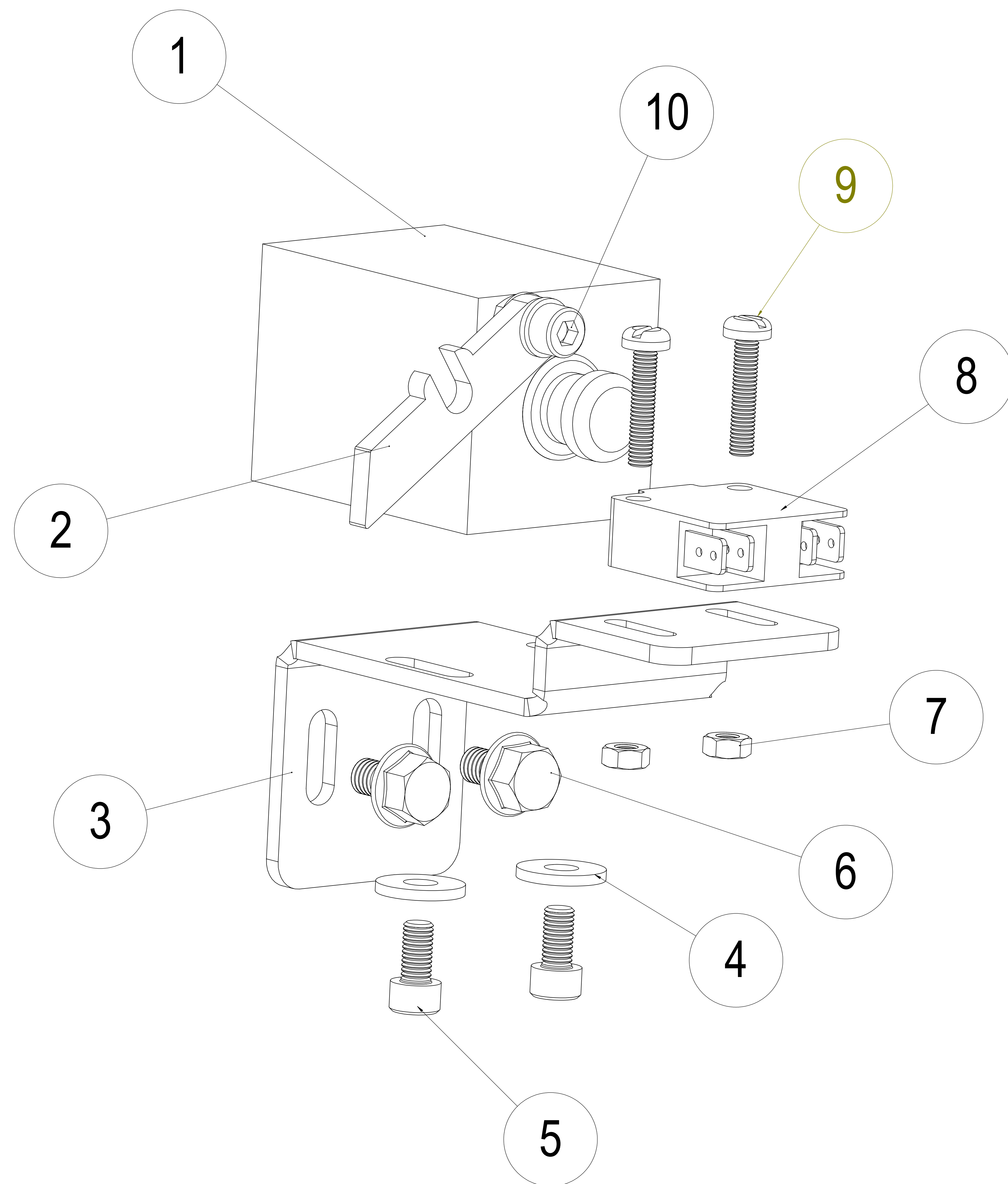
IF YOUR LABEL ARE DAMAGED, CONTACT WITH OUR COMPANY.

# PARTS SPERATION OF ÖBM-B MR



NO	NAME
1	SWITCH
2	UCM COIL
3	GROUND
4	M6X12 BOLT
5	KLEMENS GROUP
6	M8X20 BOLT
7	ROPE PROTECTION PART
8	SIDE PROTECTION HOLDER
9	TOP PROTECTION PART
10	GOVERNER SIDE MAIN PART
11	GOVERNER BUTTOM TABLE
12	PULLEY OF A3 MODUL
13	OVER SPEED LOCKING PART
14	SIDE PROTECTION PARTS
15	LIMIT SWITCH
16	ADJUSMENT PART OF SPEED

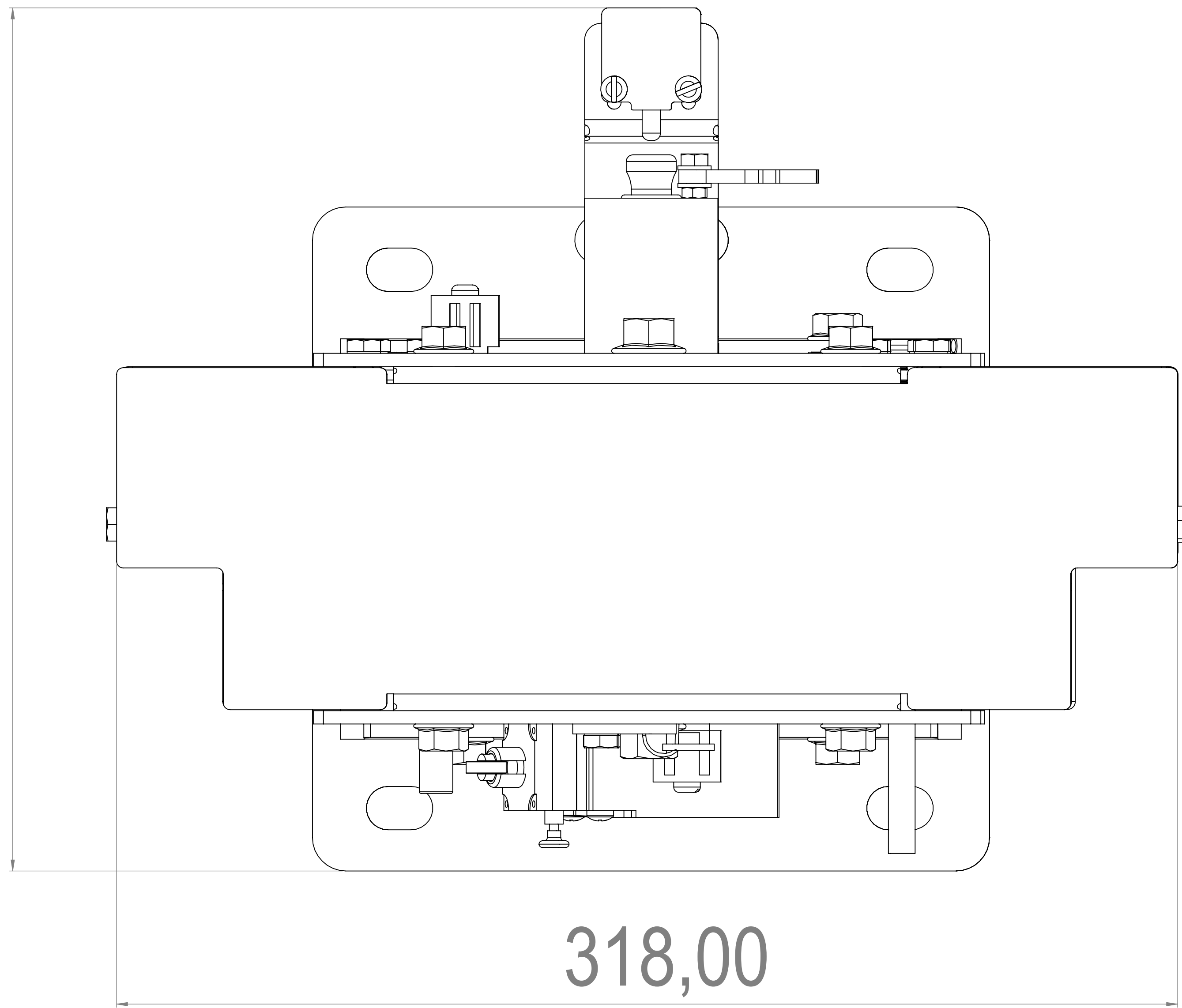
## PARTS OF A3 MODULES



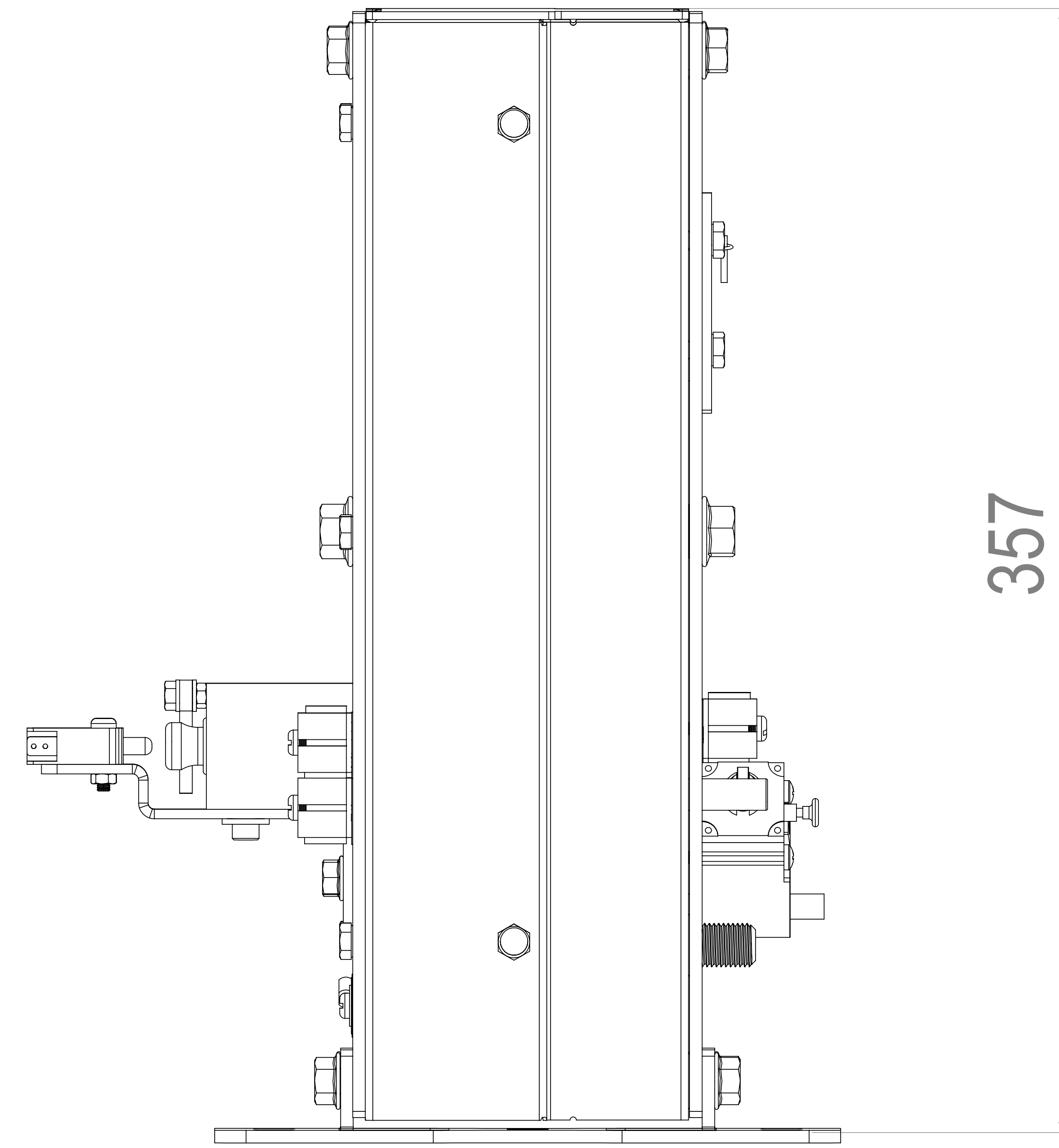
NO	NAME
1	COIL OF UCM MODULES
2	DISABLE PART OF UCM COIL
3	COIL HOLDER
4	M5 WASHER
5	M5X12 IMBUS BOLT
6	M6X12 HEX HEAD BOLT
7	M4 NUT
8	SWITCH
9	M4X30 YSB BOLT
10	M5X12 IMBUS BOLT

UCM MODULE COIL HAS 190VDC AND 24 VDC OPTIONS AVAILABLE. THE COIL DEACTIVATED BY THE PART ON THE COIL ALLOWS THE UCM FEATURE TO BE DISABLED. WHEN PERFORMING THE LEVEL TEST, THE COIL SHAFT IS PULLED OUT OF THE PULLEY AND THE COIL LOCKING PART IS SWITCHED TO THE COIL SHAFT. THUS, THE UCM MODUL IS DISABLED. AFTER ALL SETTINGS ARE MADE, THE COIL IS REACTIVATED.

259

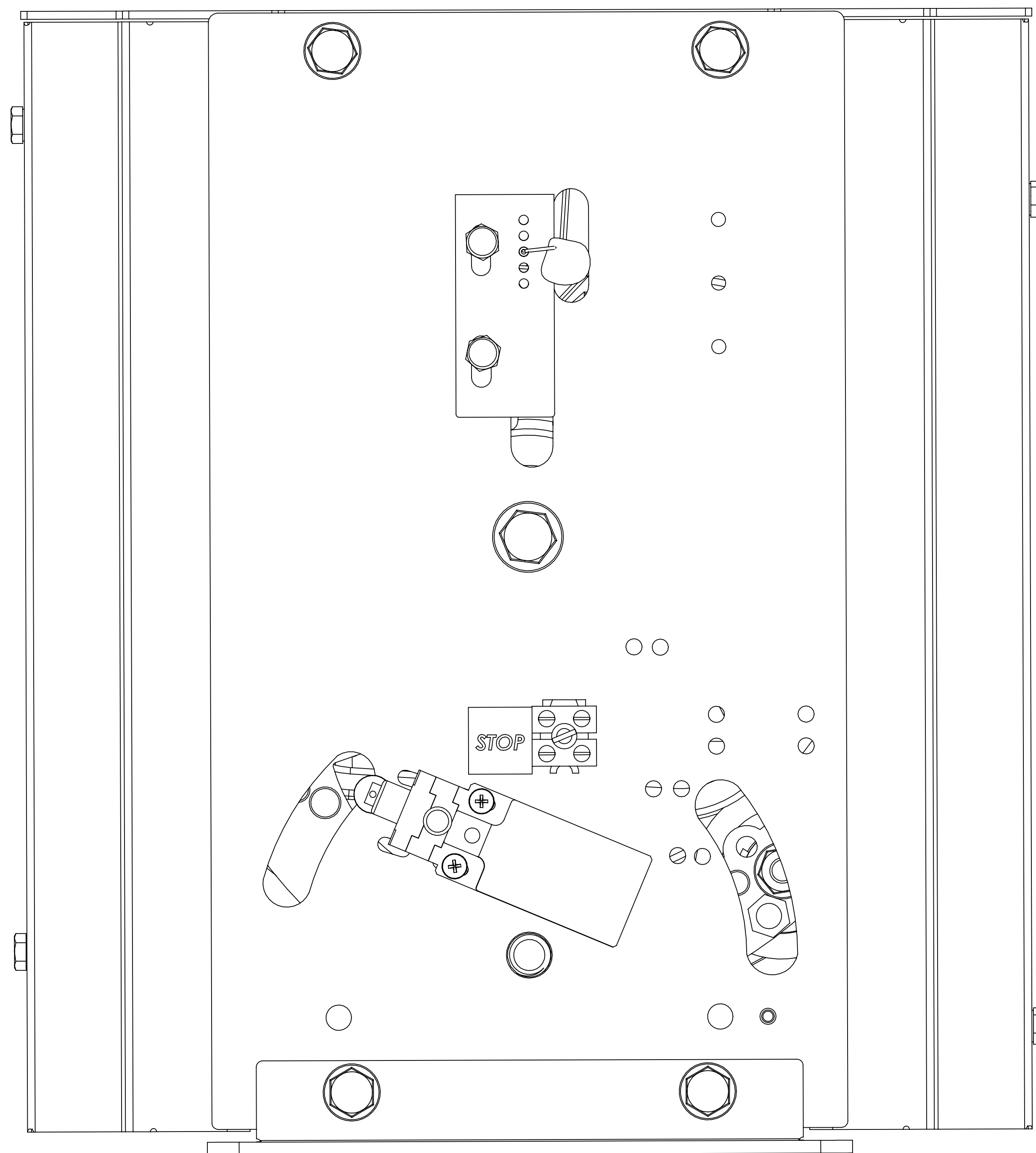


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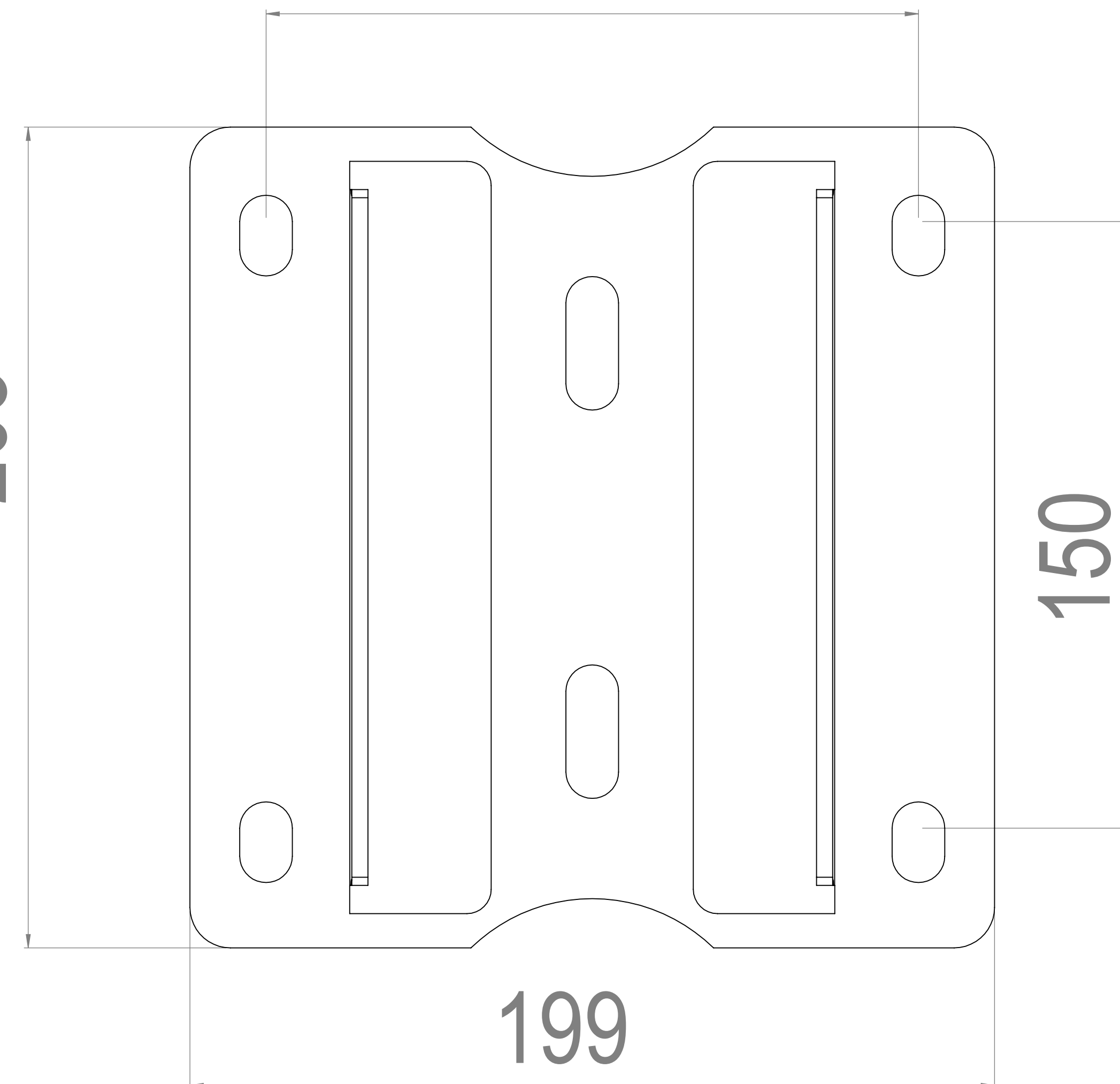


357

**! THE MAIN DIMENSIONS OF THE GOVERNOR ARE IN THE PICTURES. DURING THE FIXING PROCESS, THE DOWEL HOLES ARE ADJUSTED ACCORDING TO THE CENTER DIMENSIONS.**

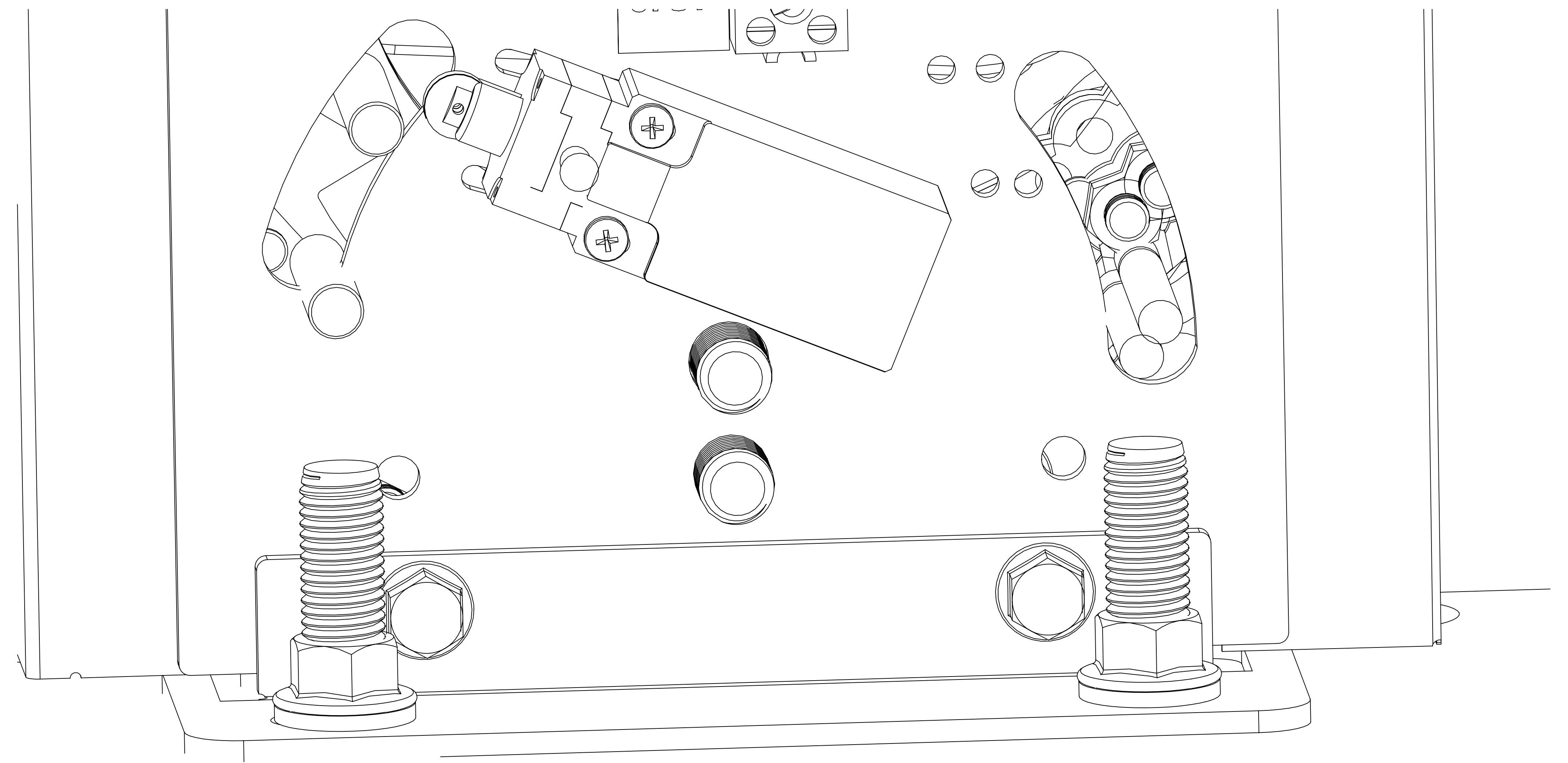
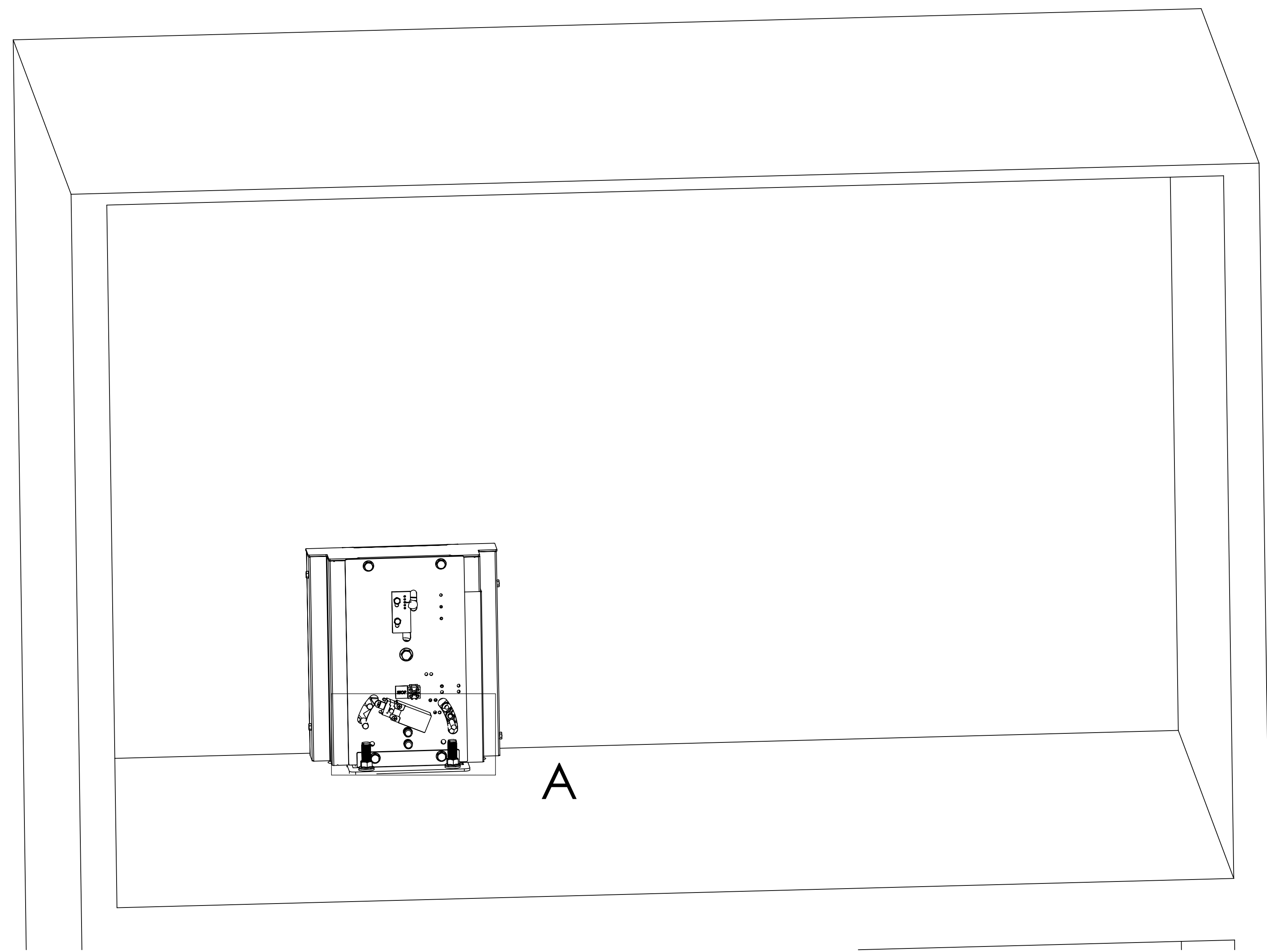


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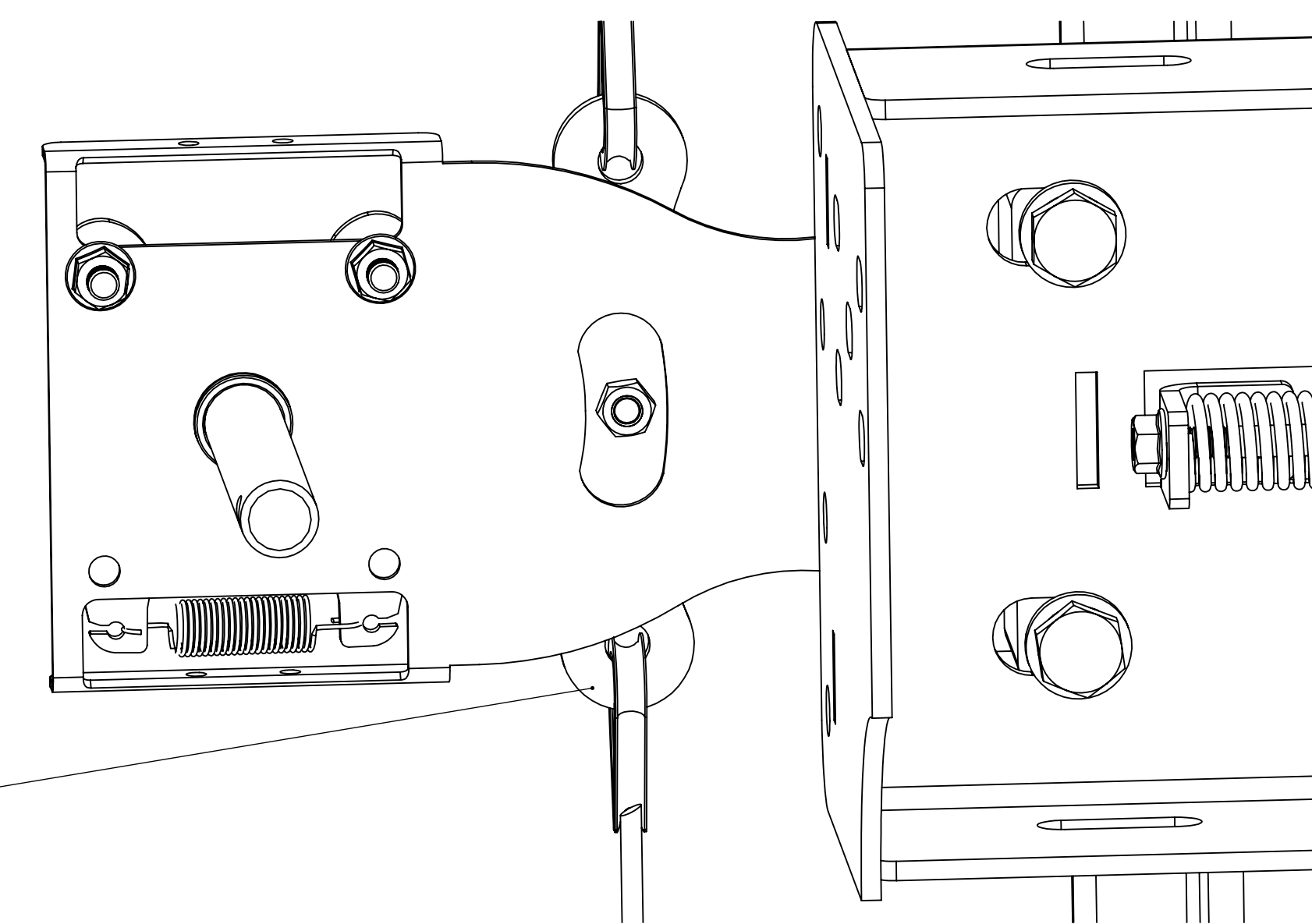


199

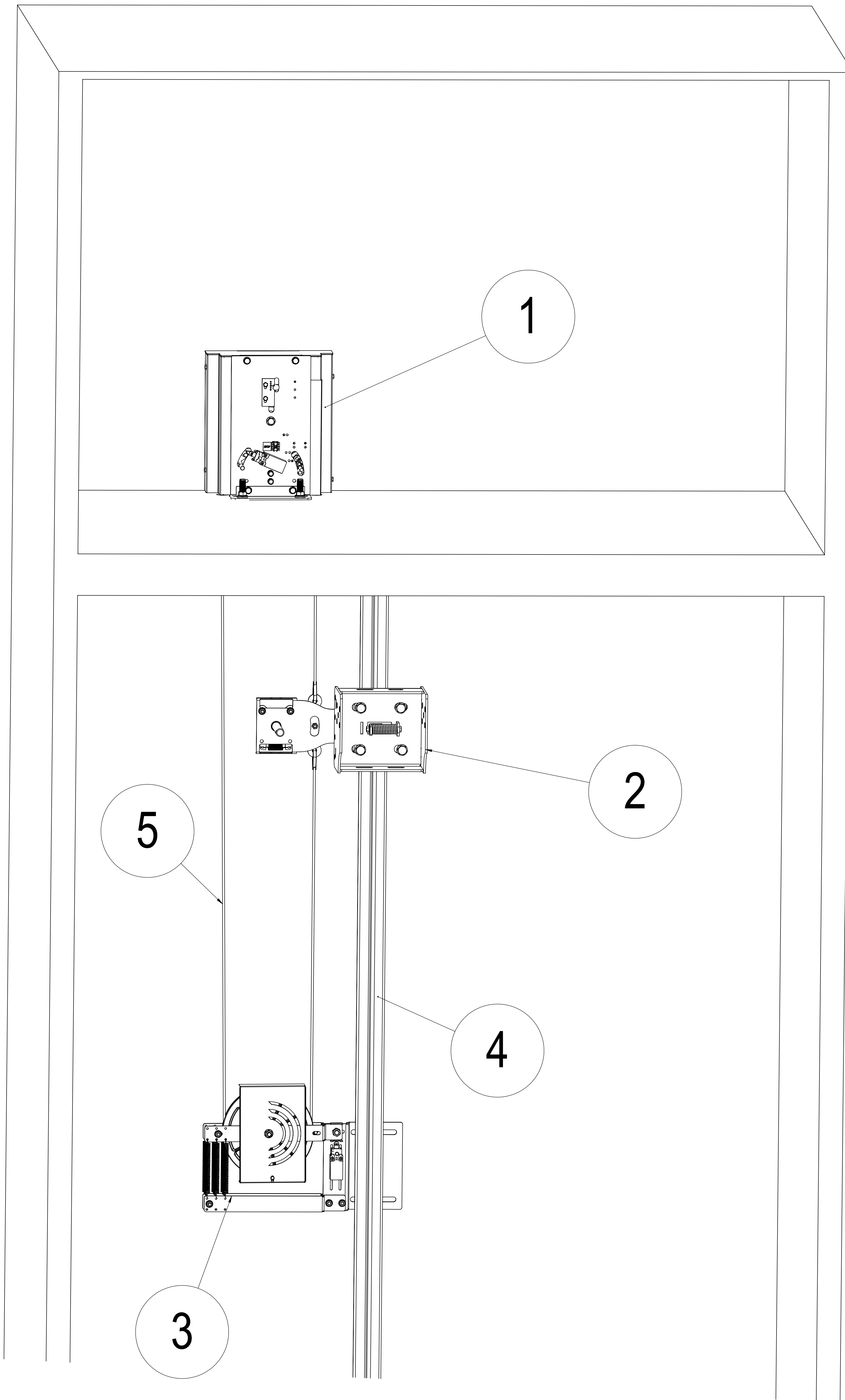
150



THE POSITION OF GOVERNOR ADJUSTED ACCORDING TO THE POSITION'S THE ROPE WHICH HOLDS BY THE BRAKE ACTIVATION SHAFT. OVER SPEED GOVERNOR IS FIXED ON THE MACHINE ROOM WITH 4XM12 DOWELS ACCORDING TO MEASURE OF THE GOVERNOR BUTTOM TABLE . IF ROPE HOLES DON'T EXIST , BEFORE INSTALLATION PLEASE DIG THE HOLES

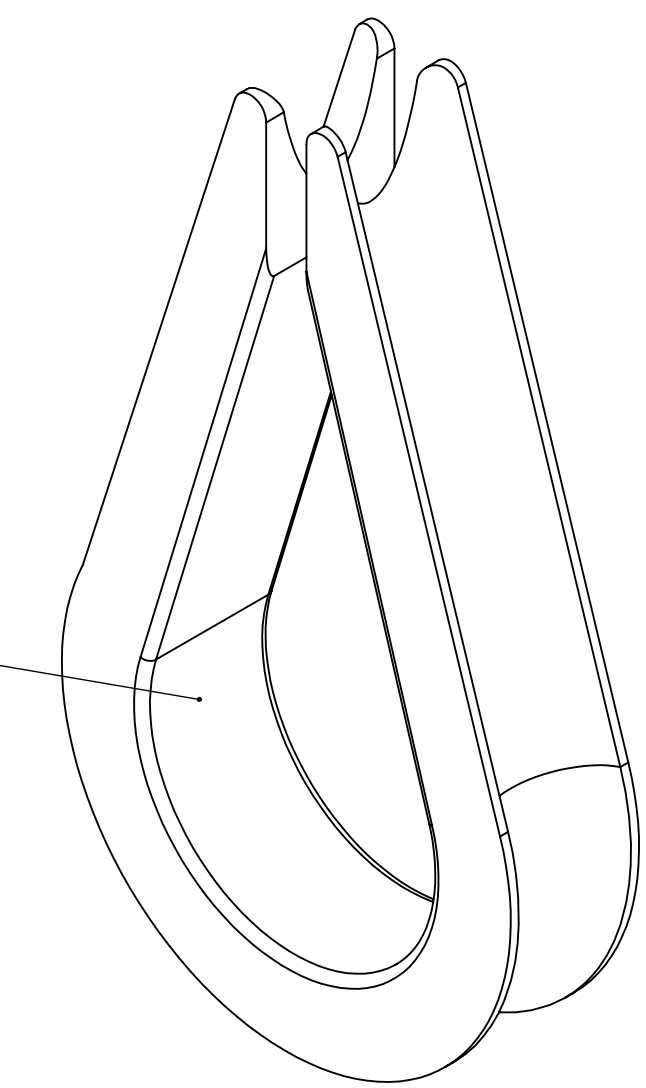


ROPE HOLDER PARTS OF ACTIVATION SHAFT

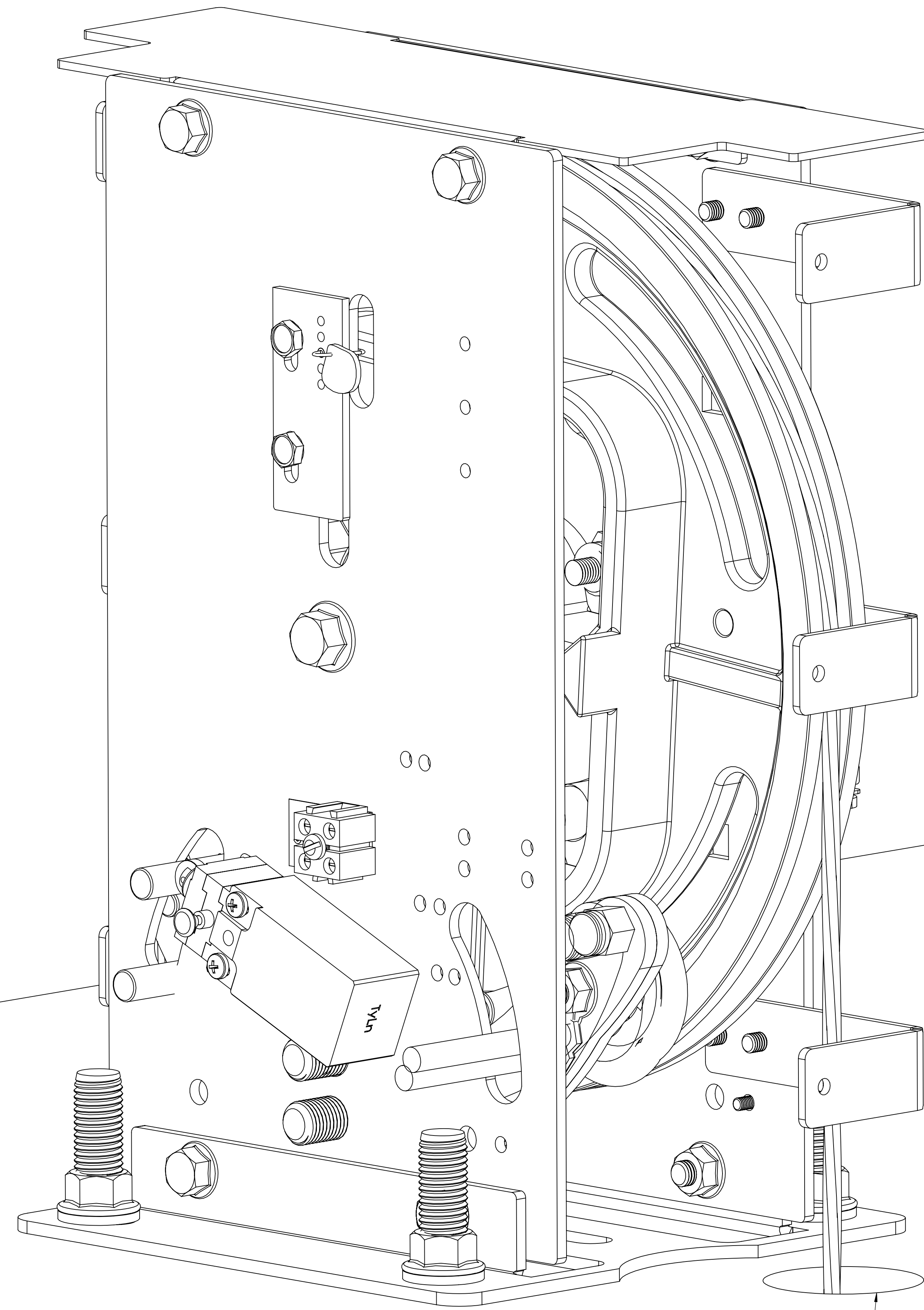


AFTER THE GOVERNOR FIXING PROCESS, THE 6 MM THICKNESS ROPE ARE PULLED BETWEEN THE BRAKE AND GOVERNOR TENSION PULLEY, WHICH HAS ALREADY BEEN DERAILED. GOVERNOR'S SIDE GUARDS ARE OPENED WHEN PULLING THE CONTACT ROPE , THE ROPE PROTECTION PART IS PULLED TO THE MOST EXTERNAL POSITION AND THE ROPE IS PASSED THROUGH THE PULLEYS AND THE RADANSAS ON THE BRAKE DRIVE LEVER ARE TRAINED WITH ROPE CLAMP. THE ROPE PROTECTION PART IS FIXED BY CONCEIVED CLOSE TO THE PULLEY UNTIL POSITION THAT WILL NOT ALLOW THE ROPE TO COME OUT FOR ANY REASON. SIDE GUARDS ARE PUT BACK IN PLACE.

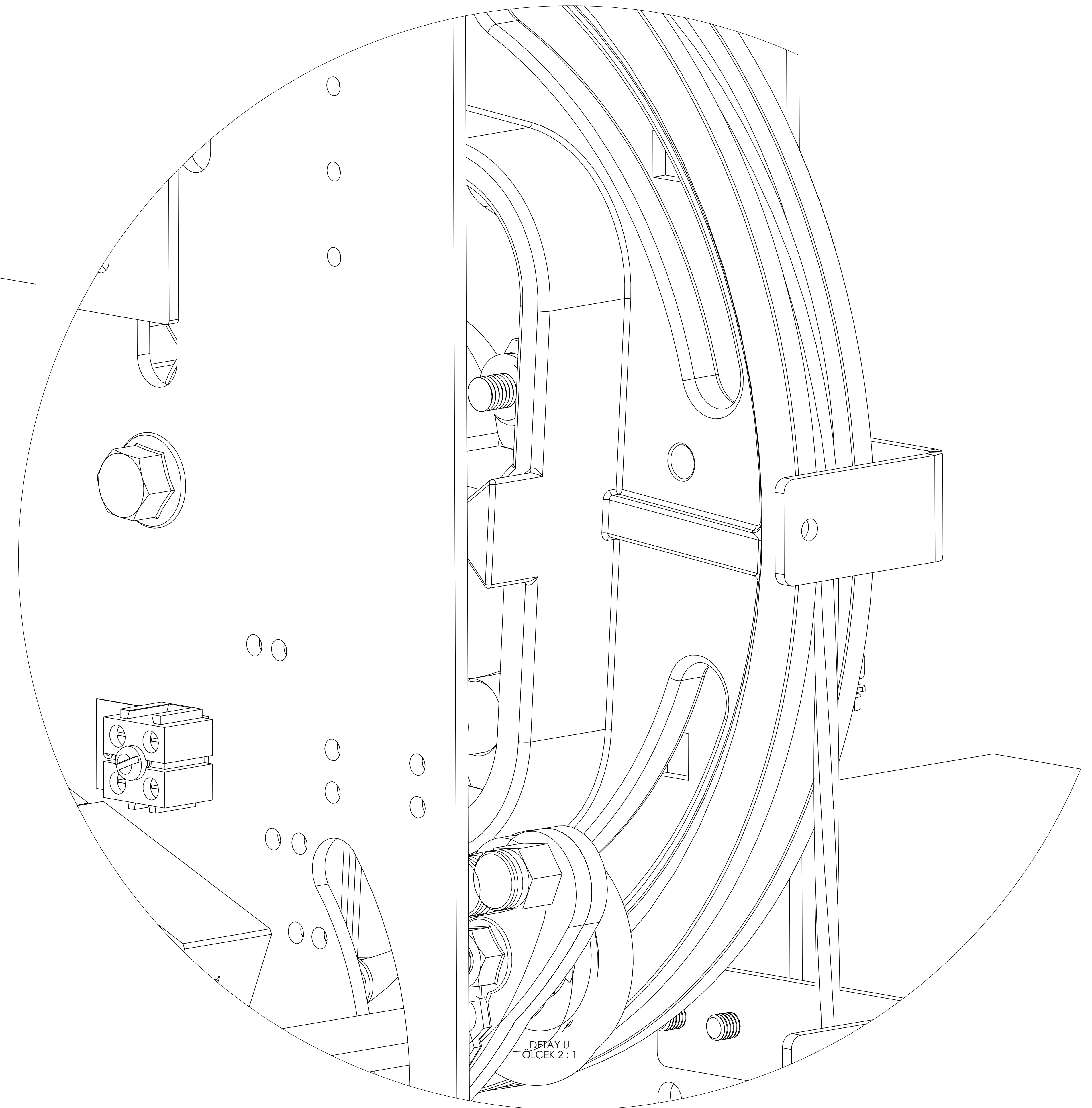
RADANSA



- 1) OBM B-MR TYPE GOVERNOR
- 2) OZBESLER BRAKE
- 3) OZBESLER TENSION PULLEY
- 4) MAIN RAIL
- 5) 6 MM TICHNESS ROPE

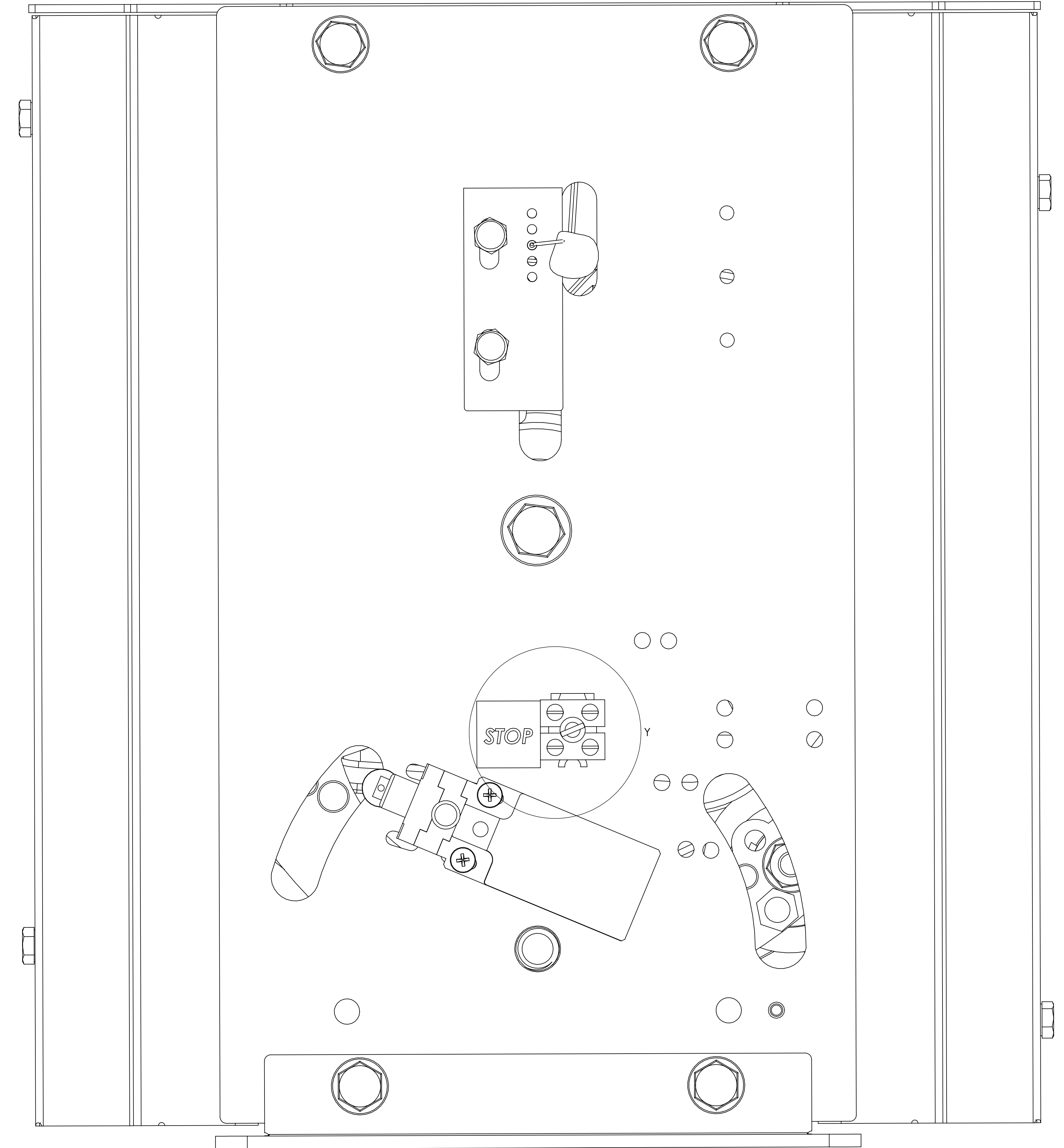
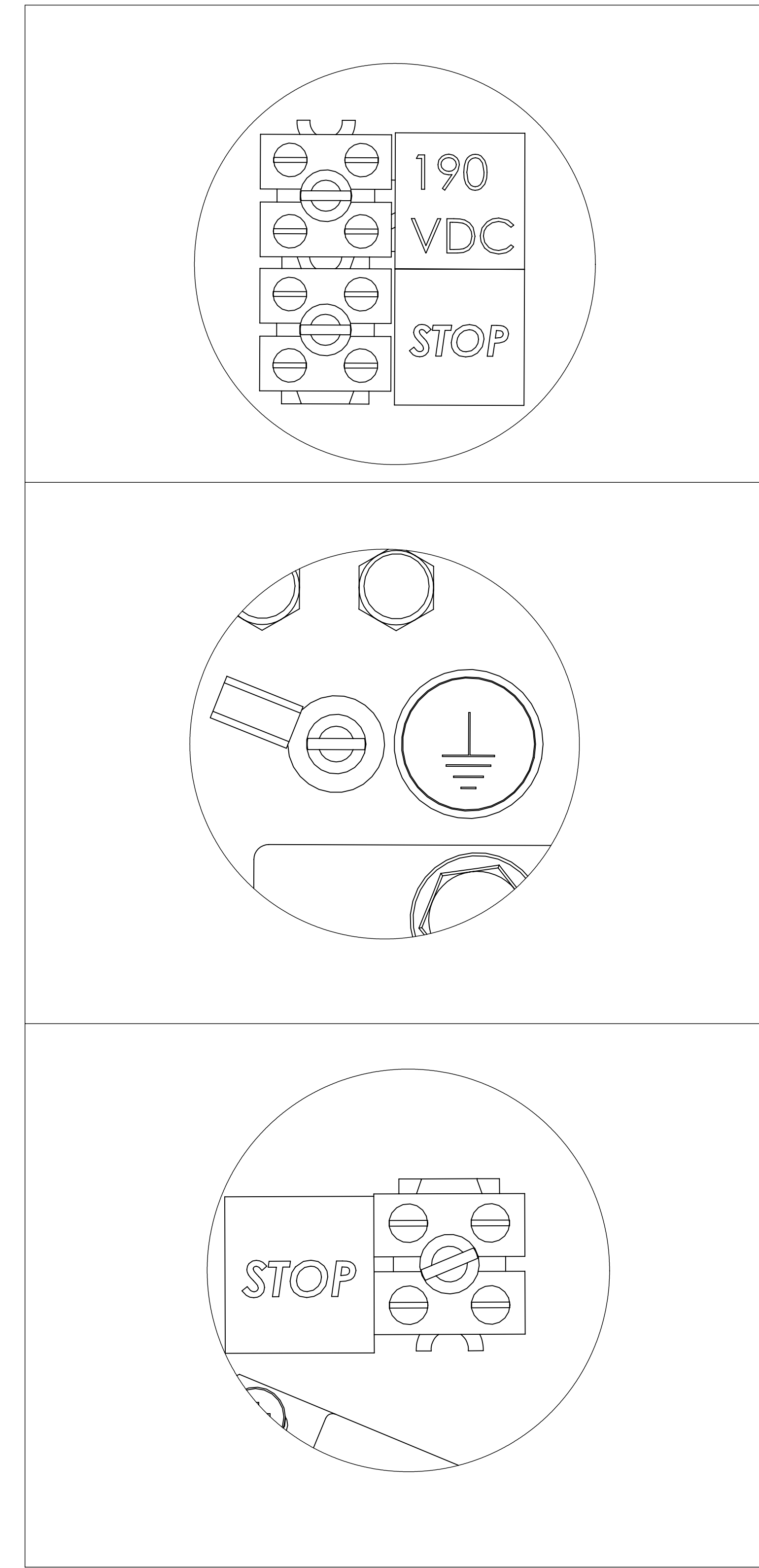
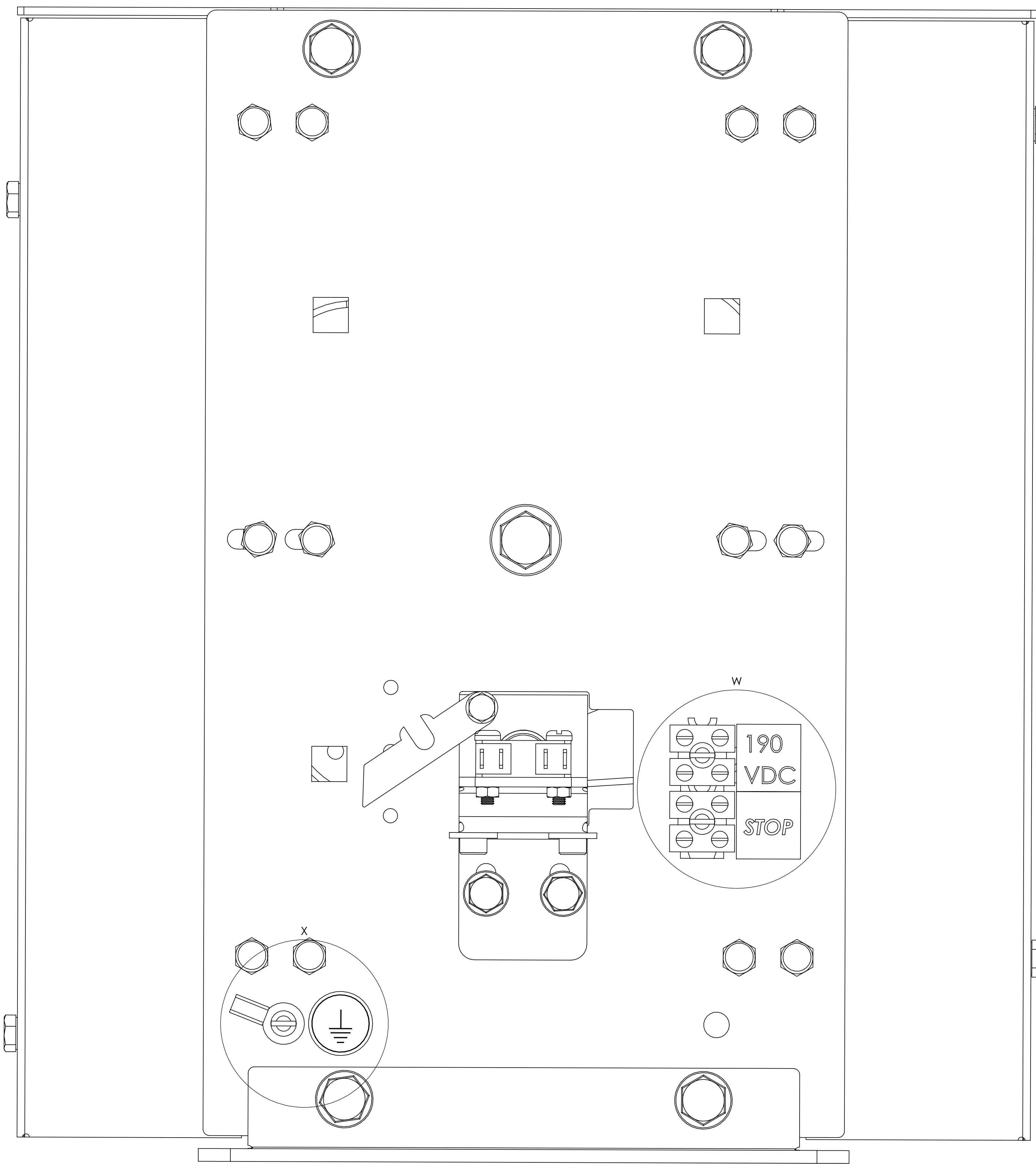


AFTER CONNECTING THE ROPE, THE ROPE PROTECTION PARTS ON BOTH SIDES OF THE PULLEY ARE TIGHTENED BY APPROACHING THE PULLEY UP TO 1-2 mm REMAINING. THUS, IN ANY CASE, THE ROPE IS PREVENTED FROM COMING OUT OF THE PULLEY.



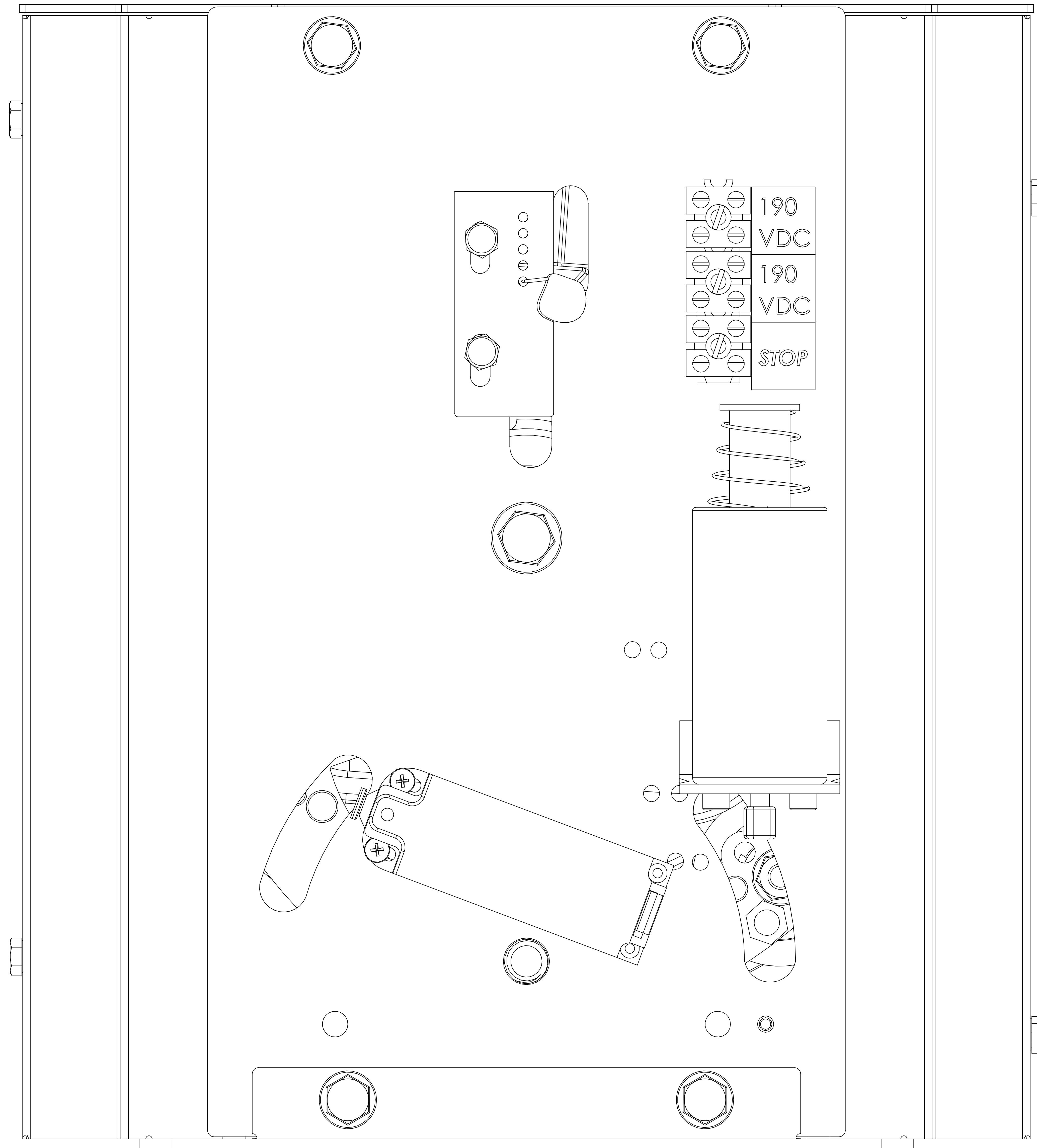
HOLE FOR THE ROPE

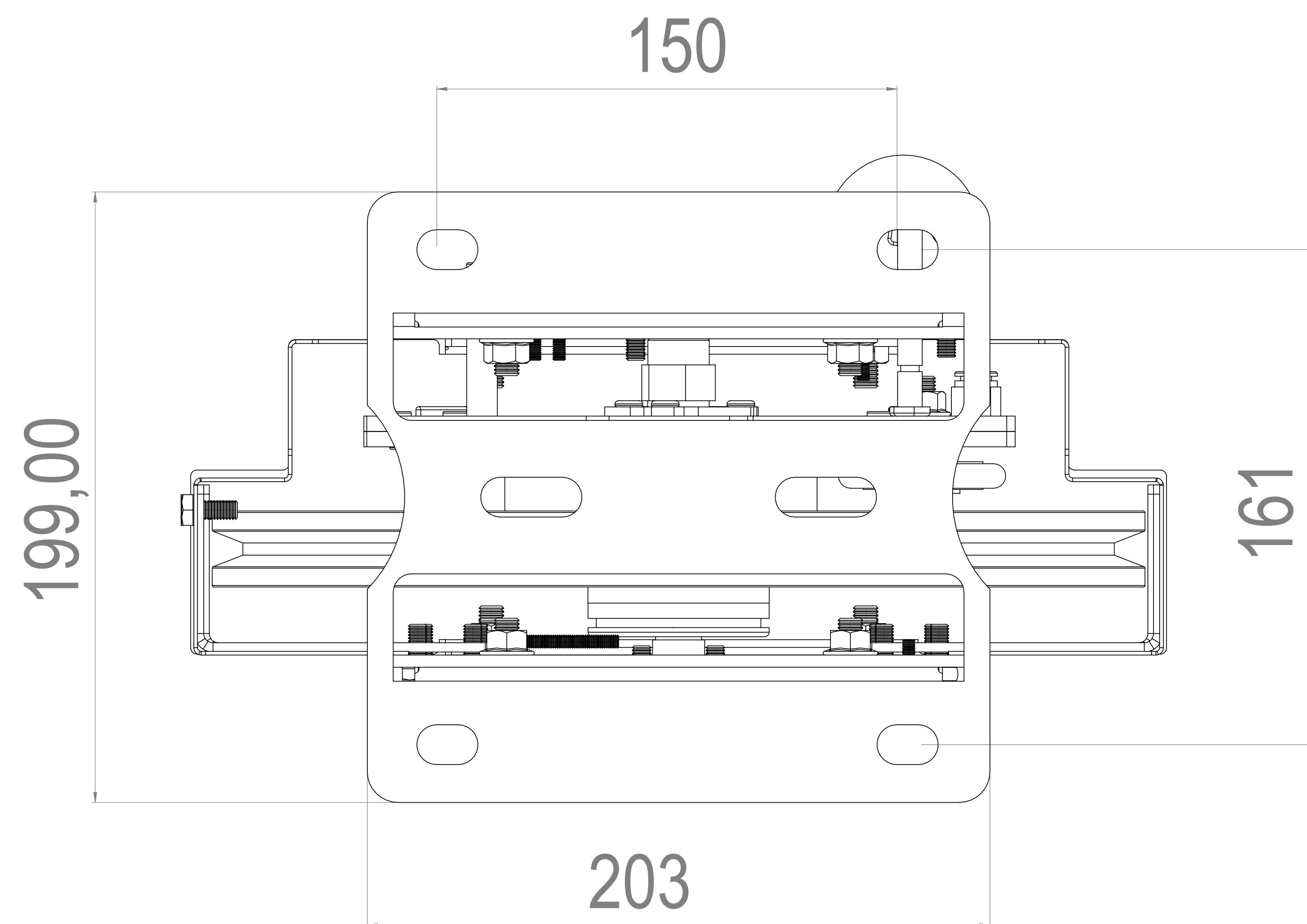
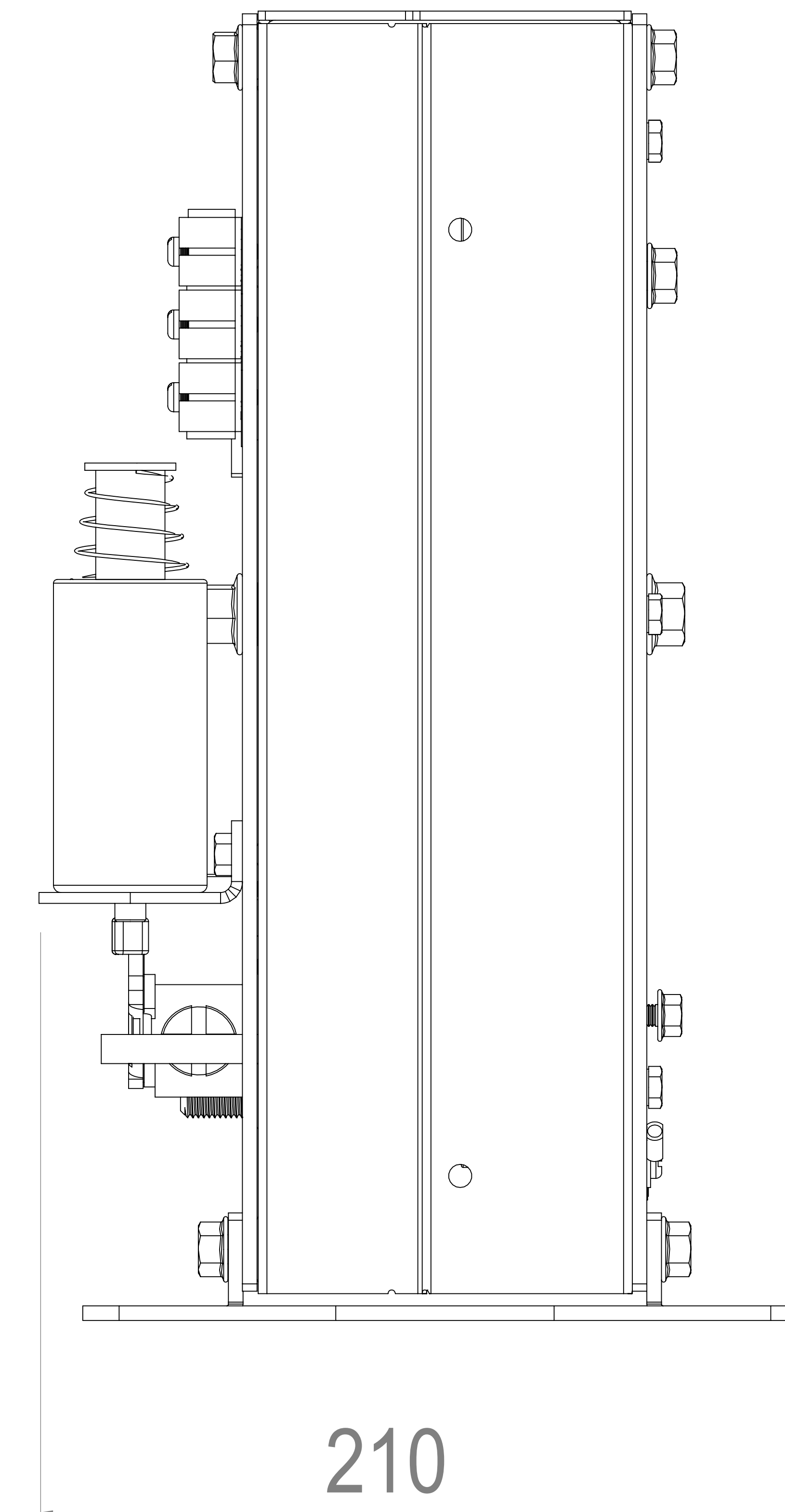
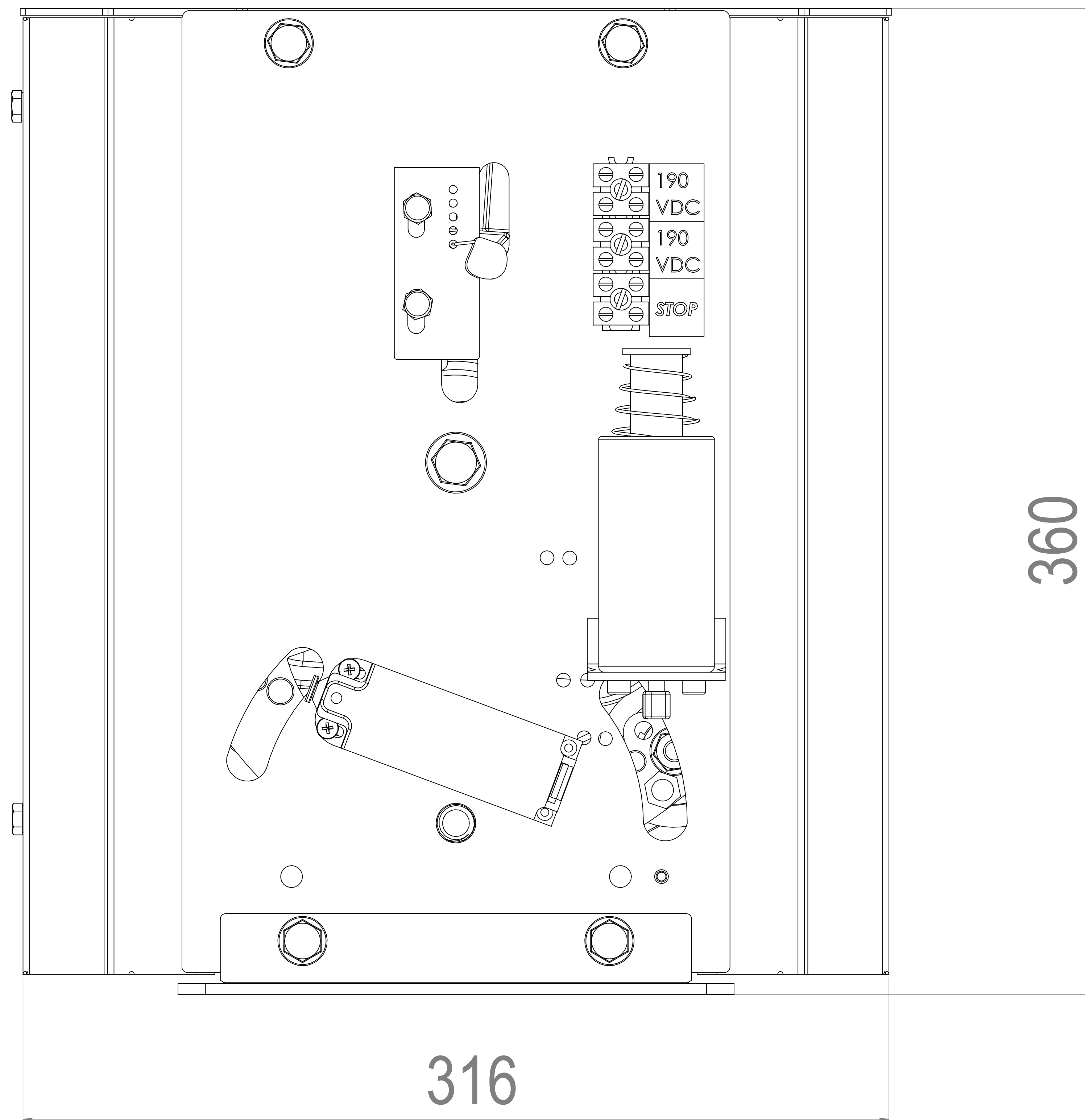
DETAY U  
ÖLÇEK 2:1



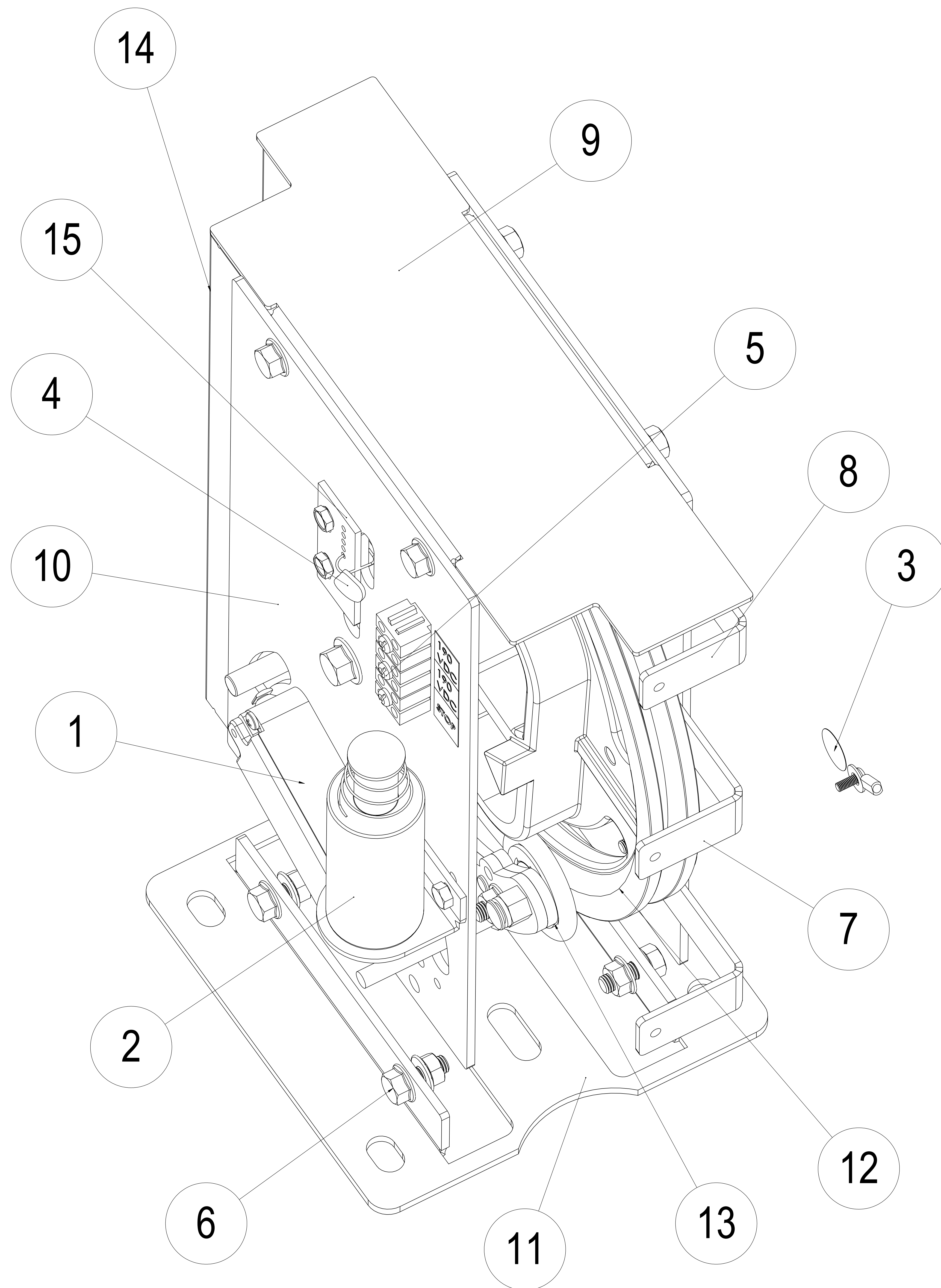
**AFTER CONNECTING THE ROPE, CABLE CONNECTIONS OF THE GOVERNOR WITH THE PANEL ARE MADE. THE FIRST CONNECTION OF SWITCHES AND COILS TO THE KLEMENS HAS BEEN MADE BY OUR COMPANY. THE APPROPRIATE CABLES FROM THE BOARD ARE CONTACTED TO THE CONNECTED AND TRAINED KLEMENS.**

# TYPE OF ÖBM-B MRL

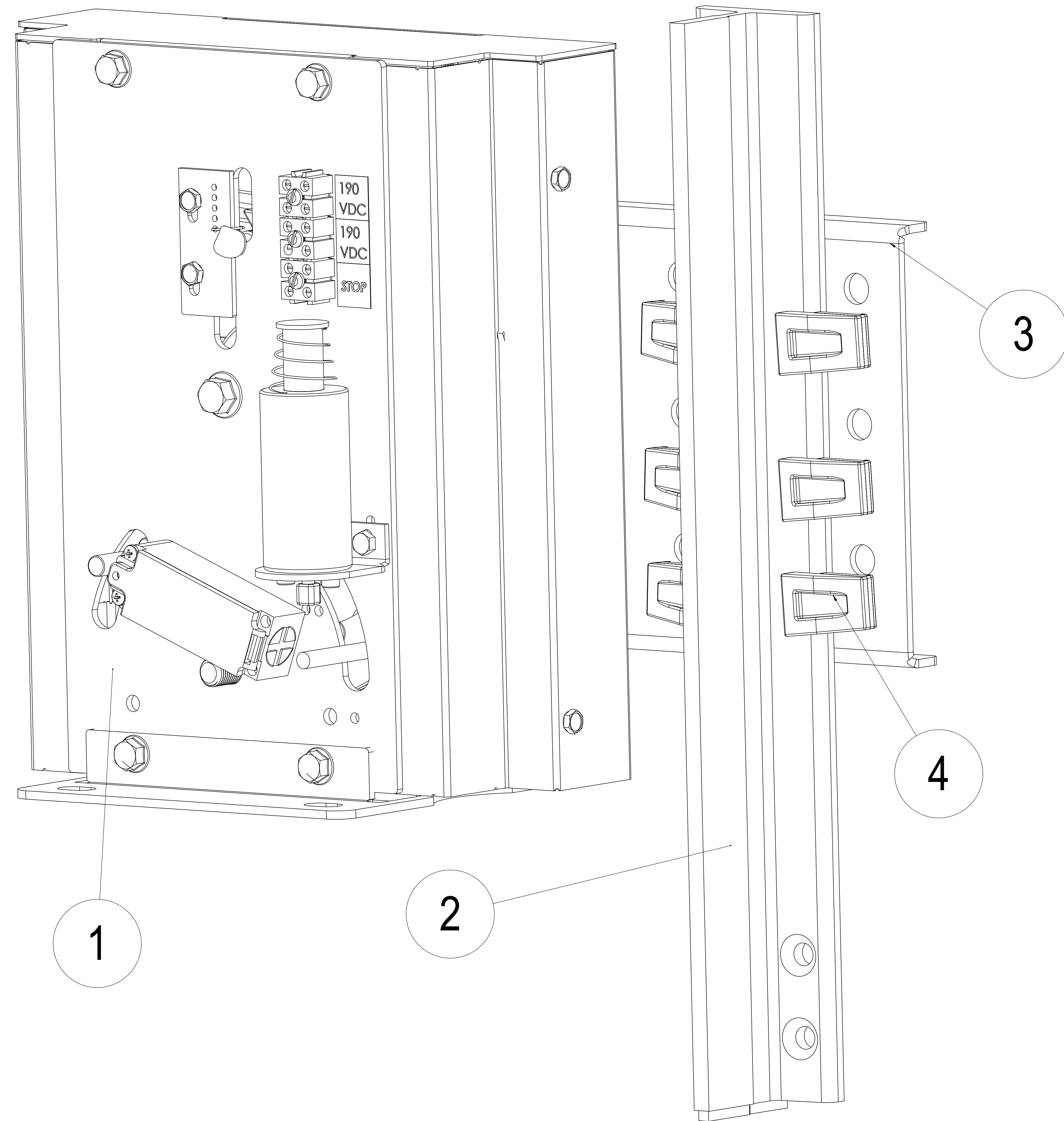




THE MAIN DIMENSIONS OF THE GOVERNOR ARE IN THE PICTURES. USE THE GOVERNOR FIXING TABLE PRODUCED BY OUR COMPANY FOR THE FIXING OF THE GOVERNOR OR THE RAIL CONNECTION PART TO CONTACT THE RAIL. DIFFERENT TYPE TABLES TO BE USED IF TABLE MEASUREMENTS SHOULD BE THE SAME AS GOVERNOR SUB-TABLE DIMENSIONS. OUR COMPANY CANNOT BE HELD RESPONSIBLE FOR ANY PROBLEMS ARISING IN A LIABLE STATE.



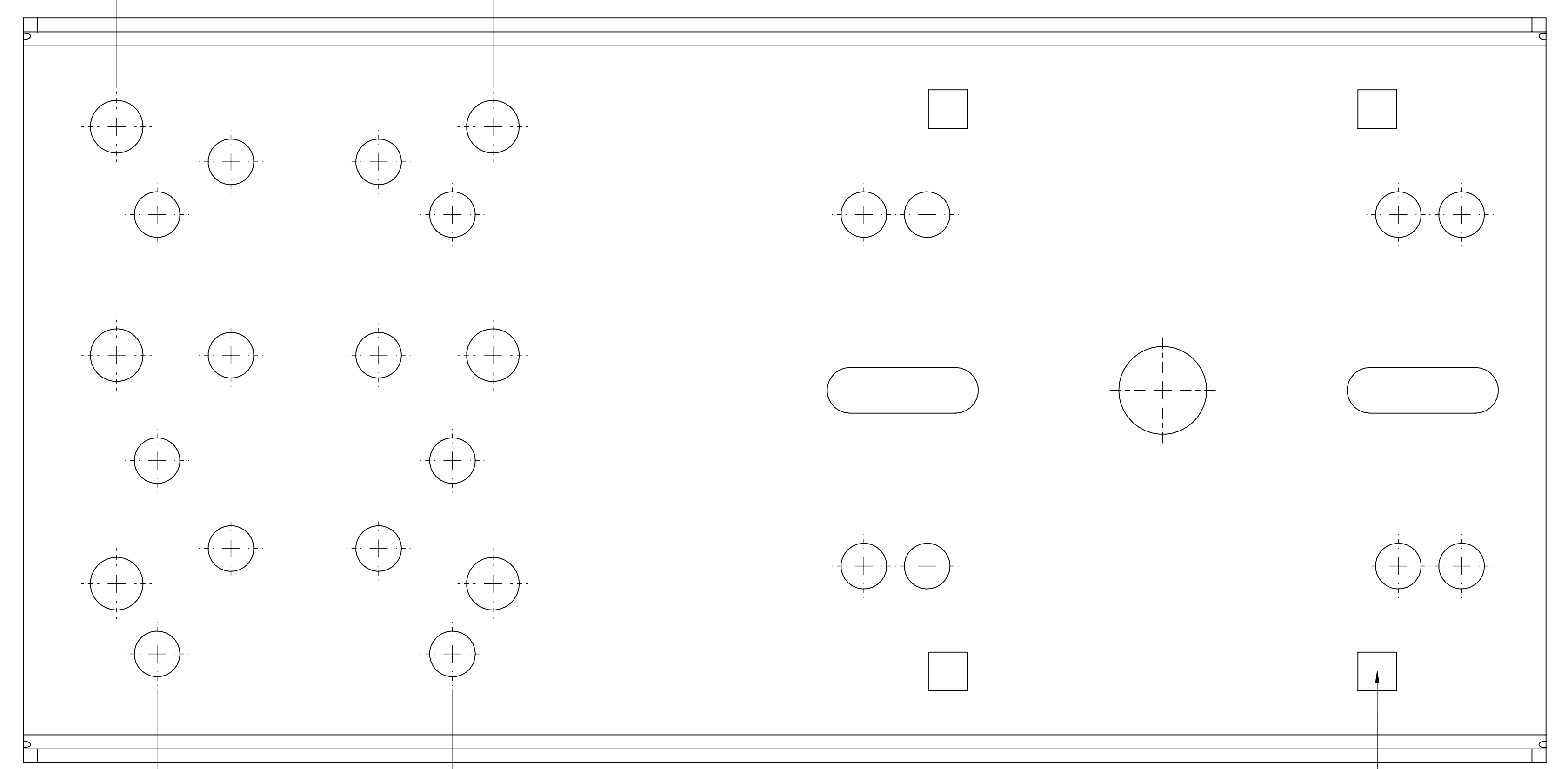
NO	NAME
1	SWITCH WITH REMOTE CONTROL
2	TEST COIL WITH REMOTE CONTROL
3	GROUND
4	SEAL
5	GROUP OF KLEMENS
6	M8X20 BOLT
7	ROPE PROTECTION PART
8	SIDE PROTECTION PARTS
9	TOP PROTECTION PART
10	GOVERNOR MAIN SIDE PART
11	GOVERNOR BUTTOM TABLE
12	PULLEY OF MRL MODULE
13	OVER SPEED LOCKING PART
14	SIDE PROTECTION PARTS
15	ADJUSMENT PART OF SPEED



ON THE LEFT SIDE, THE ÖBM-B MRL TYPE OF GOVERNOR IS SHOWN TO THE RAIL CONNECTION WITH THE RAIL HOLDER'S PART.

- 1- ÖBM-B MRL
- 2- MAIN RAIL
- 3- RAIL HOLDER'S PART
- 4- RAIL BOLTS

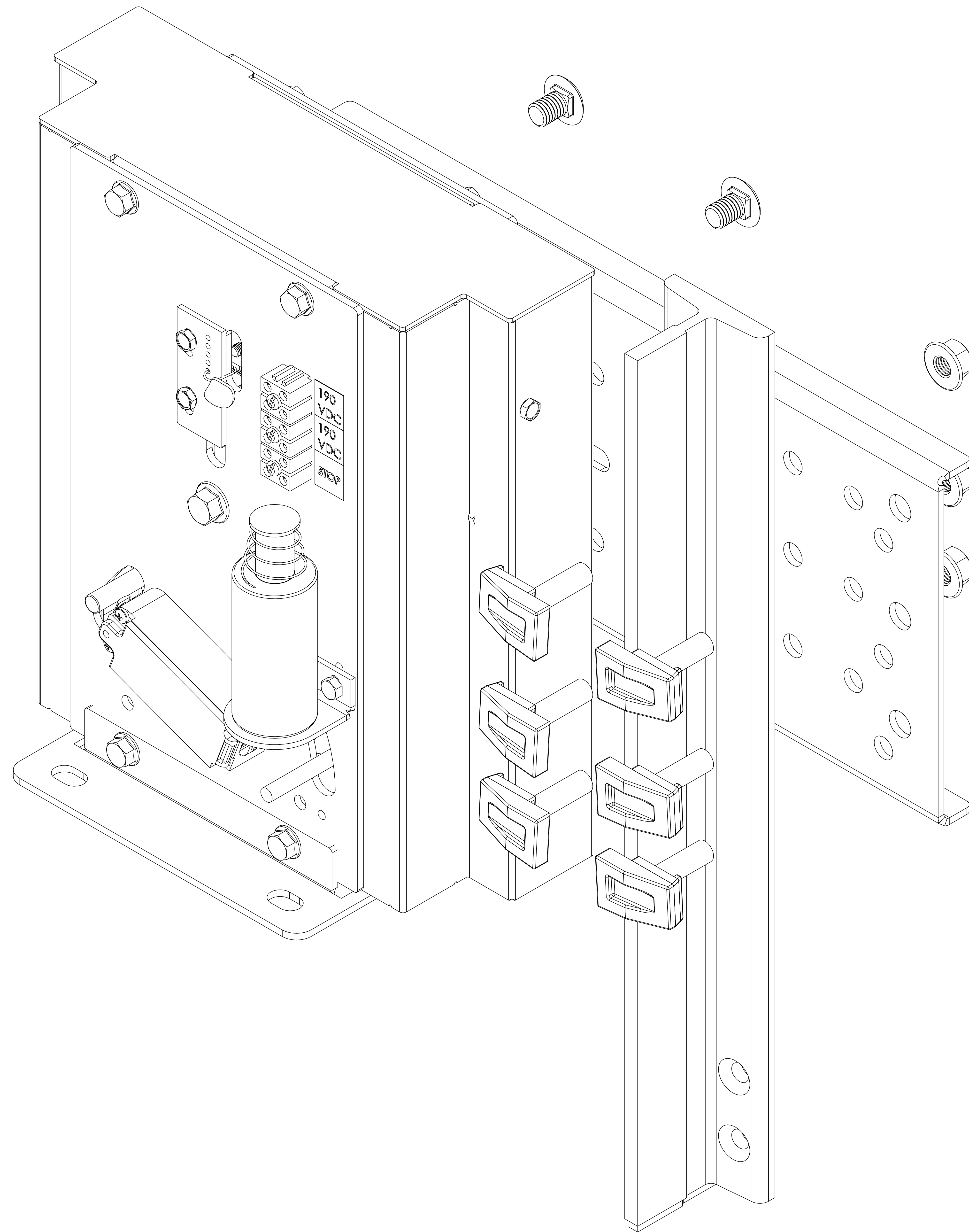
90 OF RAIL CONNECTION HOLES



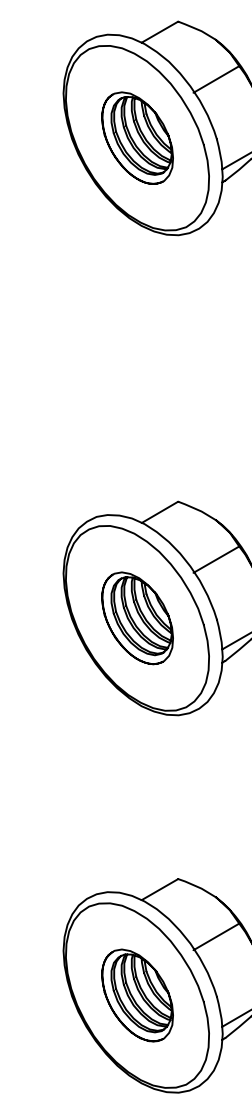
70 OF RAIL CONNECTION HOLES

HOLES FOR THE ASSEMBLY

M10X25 ROUND HEAD SQUARE-SHAPED KIT AND M10 FLANSTED NUTS ARE SENT FITTED ON THE APPARATUS FOR REGULATOR AND APPARATUS CONTACT. REGULATOR SIDE PROTECTIONS ARE OPENED AND THE APPARATUS AND REGULATOR ARE CONTACTED TO EACH OTHER.

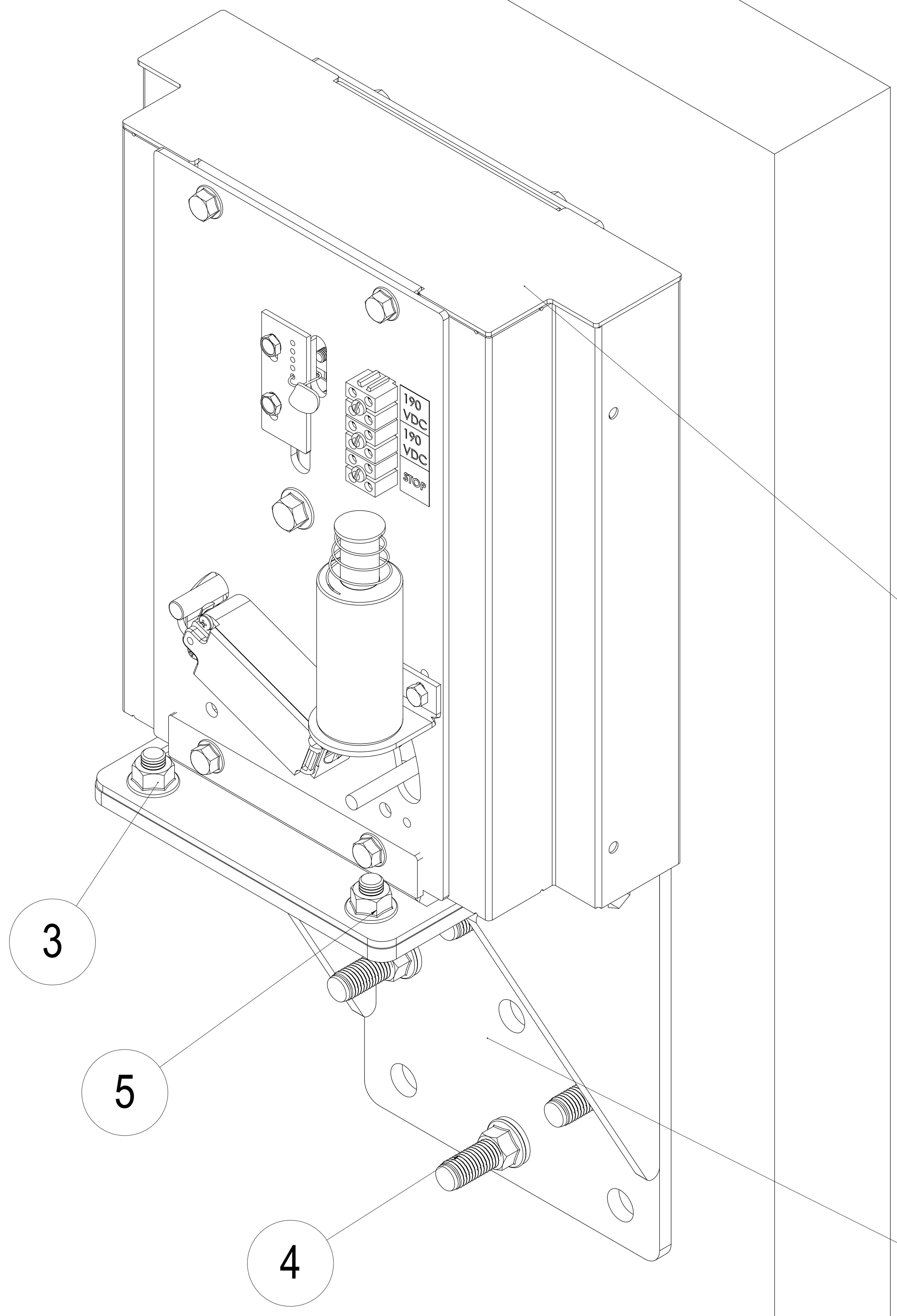


ON THE LEFT SIDE IS THE DETONATED APPEARANCE OF THE GOVERNOR, WHICH IS FIXED WITH THE RAIL, HANGER APPARATUS.



RAIL CONNECTION APPARATUS ALLOWS THE GOVERNORS TO CONNECT TO BOTH THE LEFT AND RIGHT SIDES OF THE RAIL.

ÖBM-B MRL TYPE GOVERNOR CAN BE MOUNTED ON THE WALL WITH A TABLE OF GUARDIANS. THE TABLE OF THE GOVERNOR TO BE PREPARED SHOULD BE THE SAME AS THE SUBSTRATE DIMENSIONS. THERE MAY BE FRICTION SITUATIONS ON THE CONTACT ROPE IN A FLASH. TABLE FIXED THE WALL WITH M12 DOWELS. THE REGULATOR IS FIXED WITH M12X25 FLANGED BOLT AND M12 FLANGED NUT VASTA IN THE SLOTS OPENED IN ACCORDANCE WITH THE DIMENSIONS GIVEN ON THE REGULATOR SUB-TABLE.



1

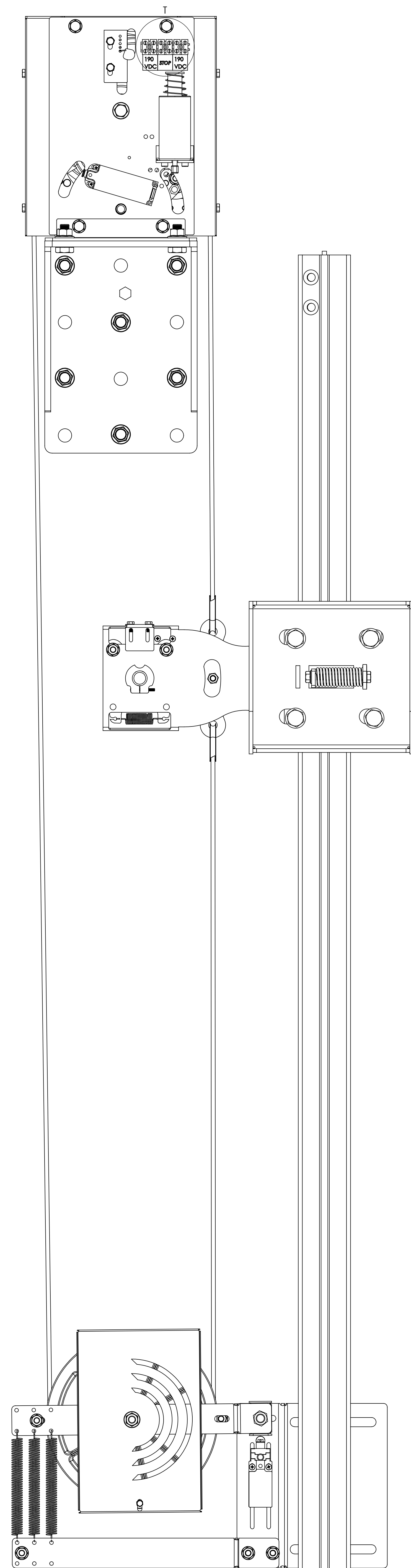
- 1- ÖBM-B MRL
- 2- SUB TABLE
- 3- M12 FLANGED NUTS
- 4- M12 DOWELS
- 5- M12X25 FLANGED BOLTS

2

3

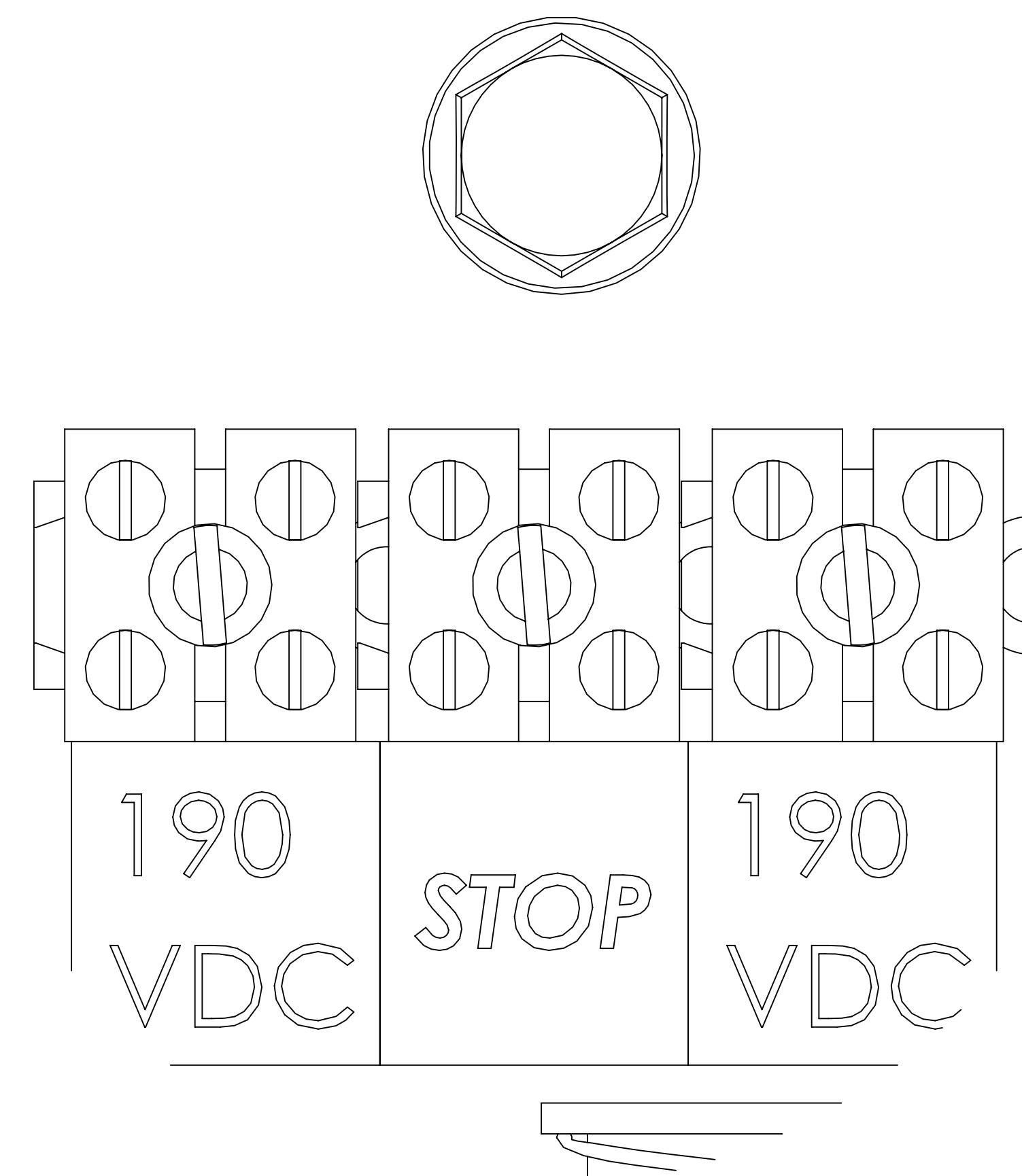
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4



CONTACT ROPE CONNECTIONS ARE MADE IN THE SAME WAY AS THE ÖBM-B MRL MODEL, WHICH IS USED BY INSTALLING THE HANGER APPARATUS OR WALL.

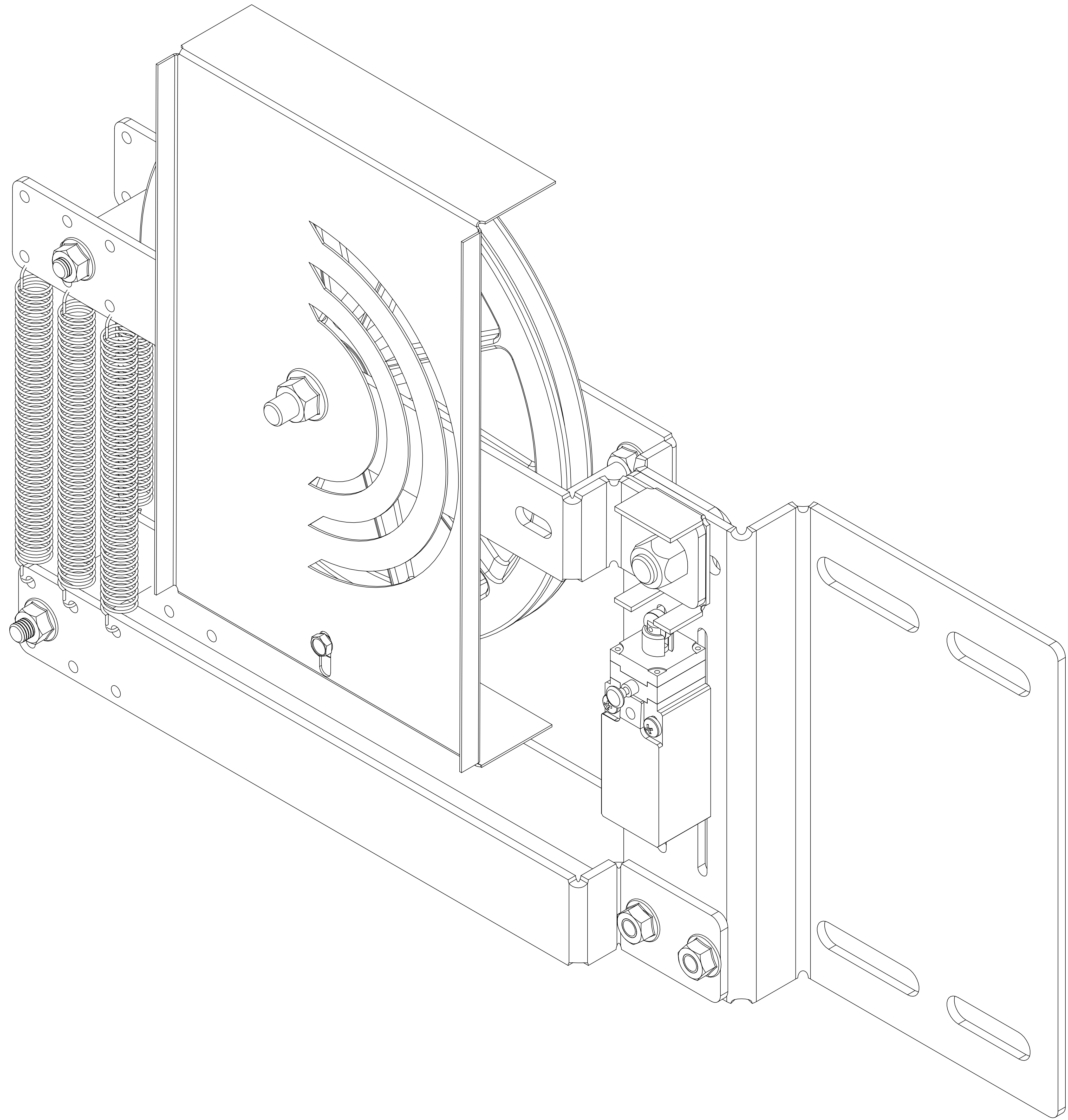
AFTER THE ROPE IS CONTACTED, THE ROPE PROTECTION PARTS ARE DOCKED UNTIL 1-2 MM REMAINS ON THE PULLEY WITHOUT CLOSING THE GOVERNOR SIDE CAGES. THUS PREVENTING THE ROPE FROM EXITING IN ANY SITUATION.



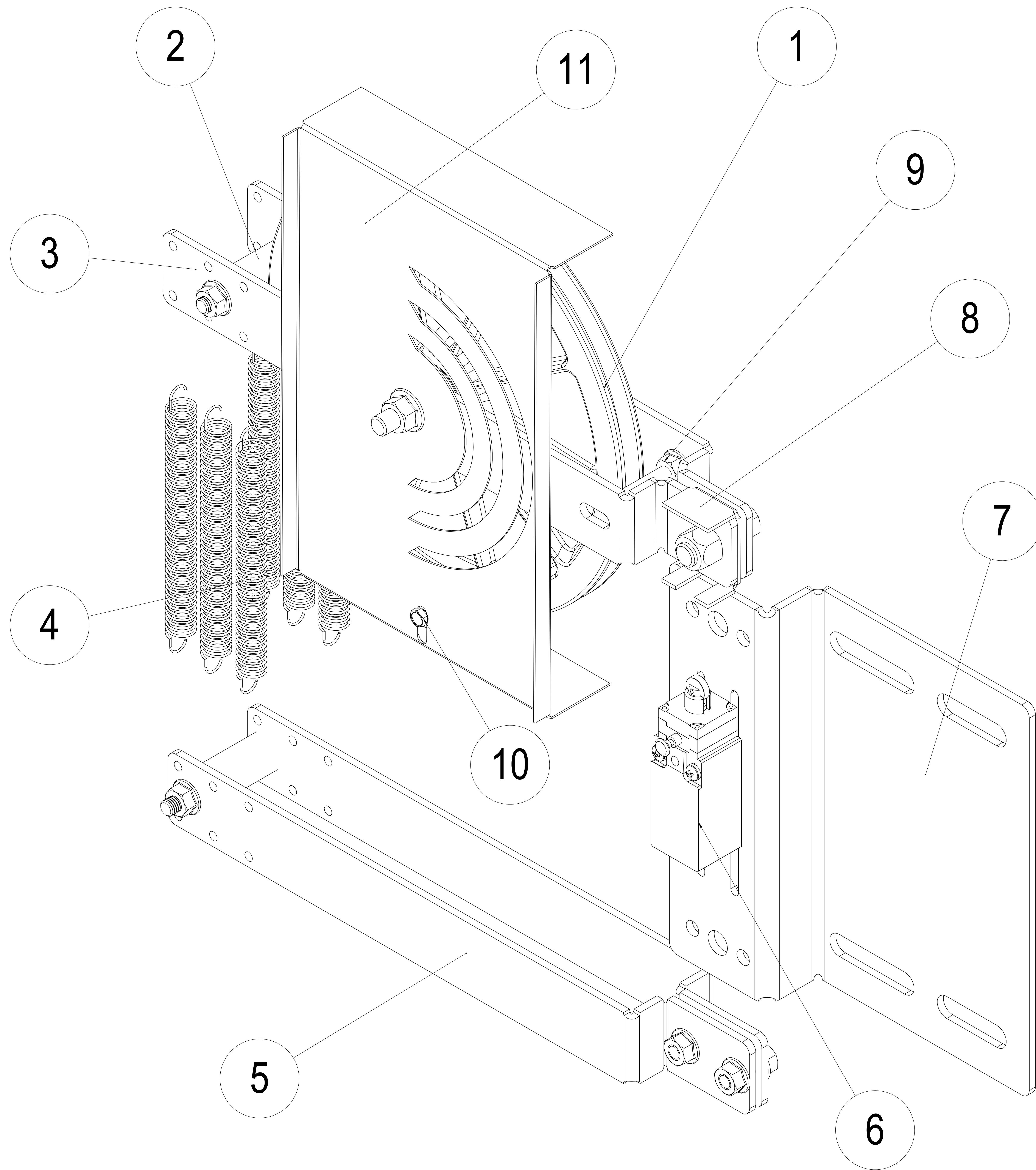
THE FIRST CONNECTIONS MADE AND OPERATED BY OUR COMPANY ARE CONTACTED IN ACCORDANCE WITH THE CABLES COMING FROM THE BOARD. BEFORE THE ELEVATOR IS ACTIVATED, IT SHOULD BE CONTROLLED THAT THE REMOTE CONTROL SWITCH IS DISABLED.

WHEN THE COIL ON THE ÖBM-B MRL IS INJECTED DURING THE TEST, THE MECHANICAL LOCKING PART IS ACTIVATED AND STOPS THE ROTATION OF THE GOVERNOR PULLEY. THUS, THE PARACHUTE SYSTEM IS ACTIVATED AND THE ELEVATOR IS PUT ON THE BRAKE. THE TEST COIL SHOULD NOT BE ACTIVATED FOR MORE THAN 10 sec. OUR COMPANY IS NOT RESPONSIBLE FOR ANY DAMAGES THAT MAY OCCUR IN THE COIL. IN ADDITION, BY INJECTING THE REMOTE CONTROLLED SWITCH ON THE ÖBM-B MRL, THE ELEVATOR CIRCUIT THAT NORMALLY COMES INTO THE OPEN POSITION WITH THE INTRODUCTION OF THE BRAKE SYSTEM IS RESTORED TO ITS NORMALLY CLOSED POSITION, ALLOWING THE ELEVATOR TO OPERATE IN A NORMAL WAY. REMOTE CONTROL SWITCHES SHOULD NOT BE ACTIVATED FOR MORE THAN 1 sec. IT SHOULD BE NOTED THAT THERE WILL BE DAMAGE TO THE SWITCH IN A CONTRARY STATE.

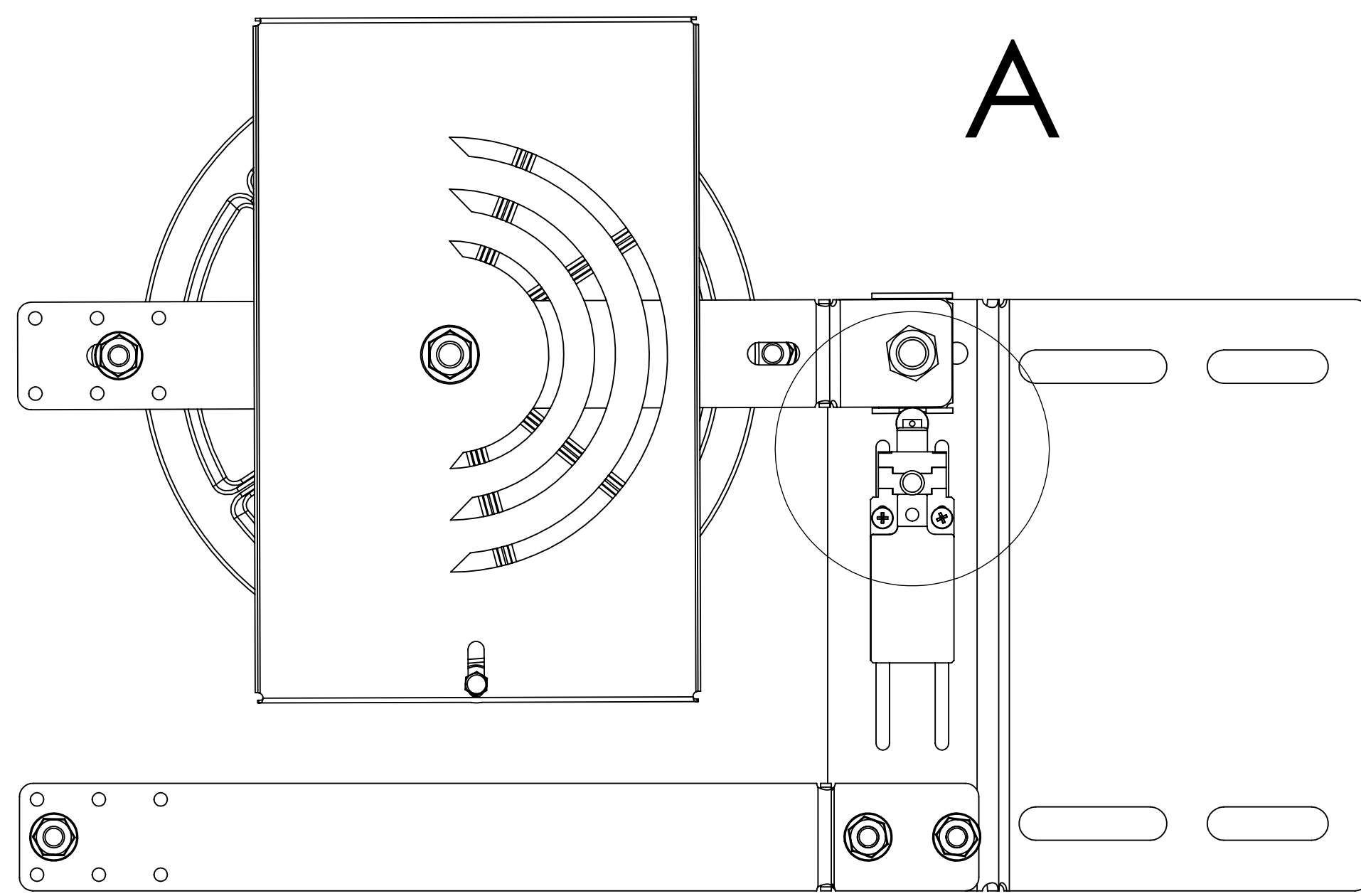
ÖZBEŞLER ASANSÖR  
GOVERNOR SUB-TENSION  
PULLEY USE AND INSTALLATION  
GUIDE



2022

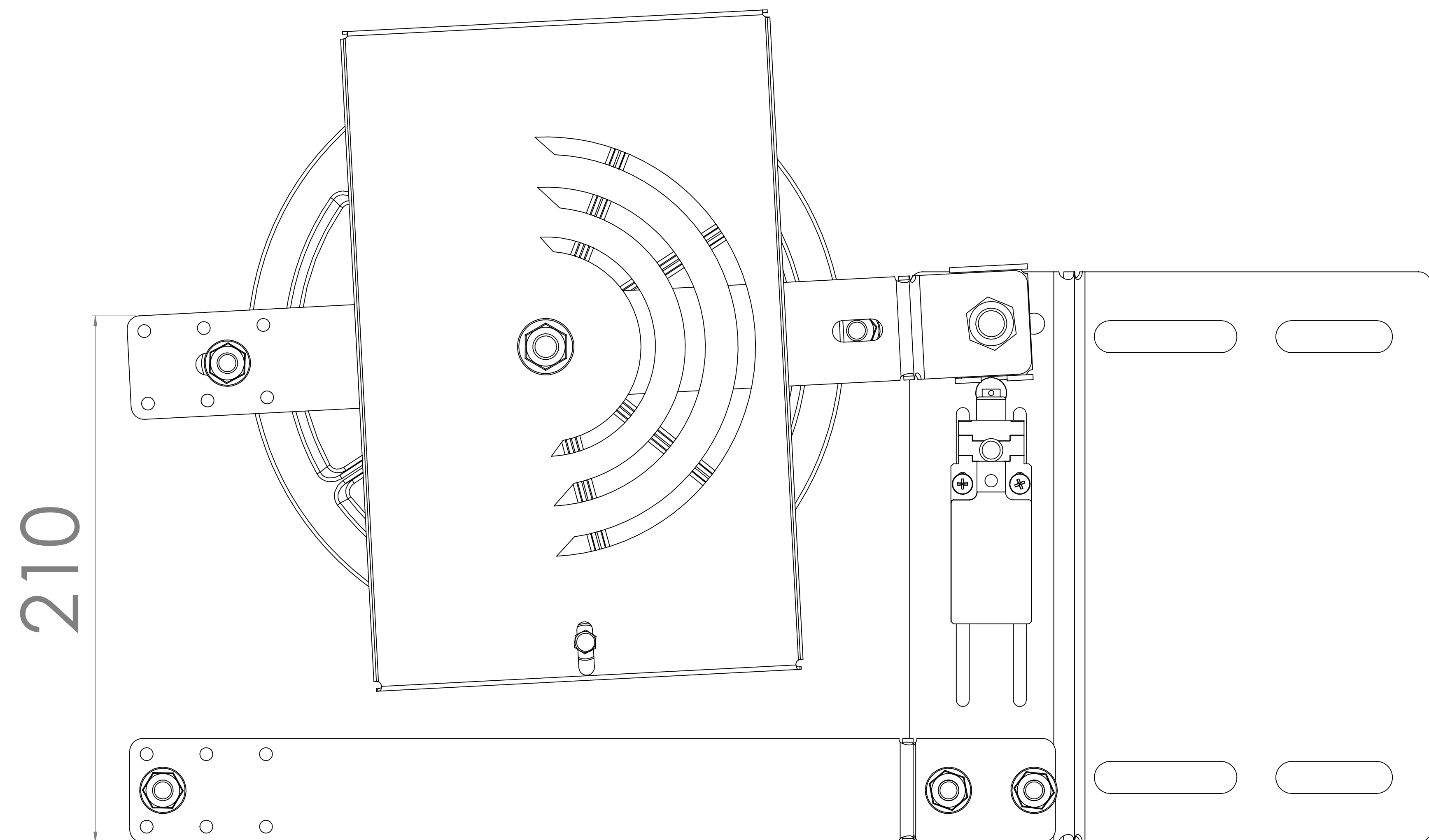


NO	TANIM
1	PULLEY
2	LEFT SIDE ROPE PROTECTOR
3	UPPER FRAME
4	SPRINGS
5	LOWER FRAME
6	SWITCH
7	CONNECTOR OF RAIL
8	SWITCH AKTIVATOR
9	RIGHT SIDE ROPE PROTECTOR
10	LOWER SIDE ROPE PROTECTOR
11	PULLEY PROTECTOR



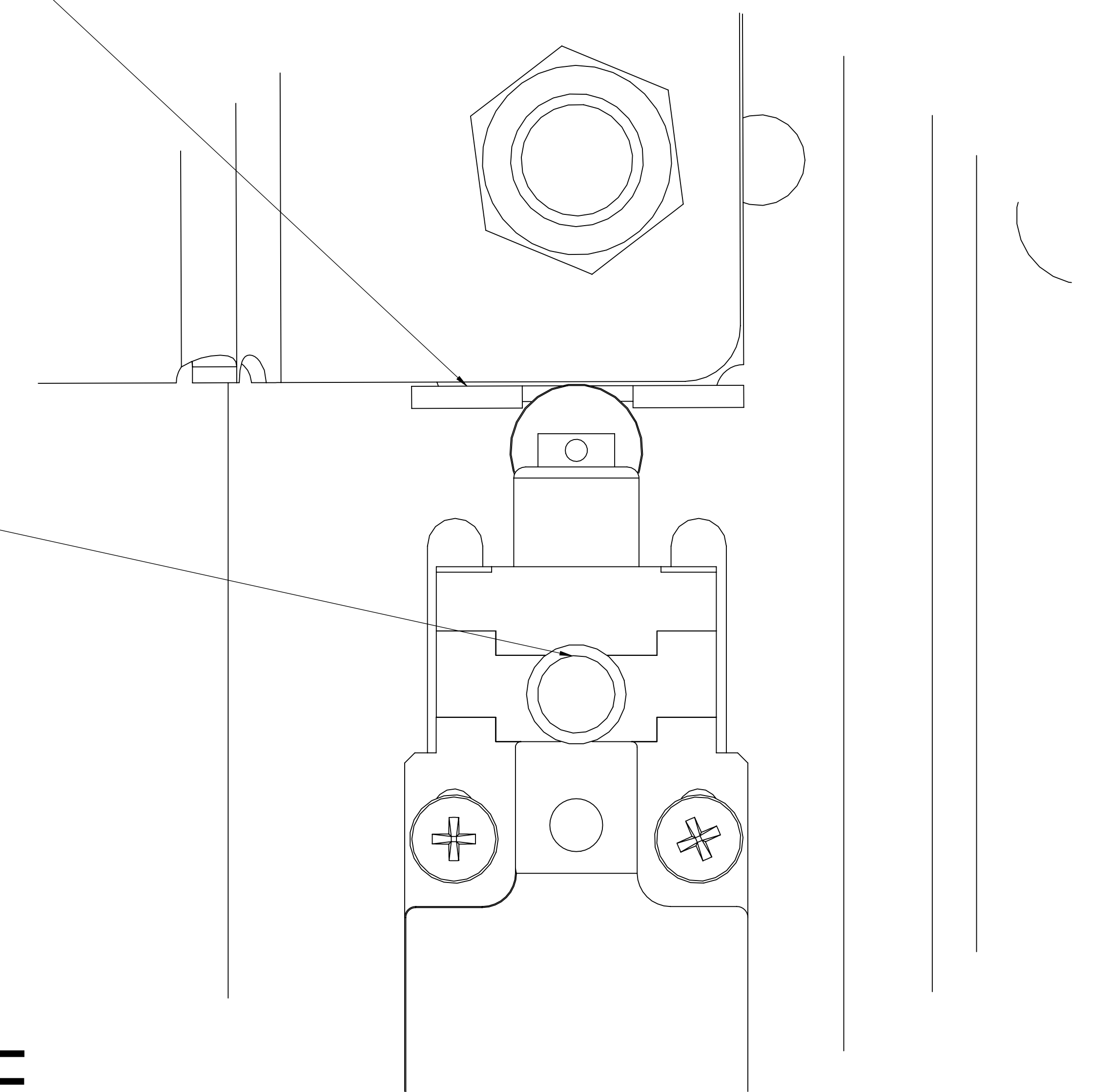
THE SETTING OF THE SWITCH MUST BE DONE BEFORE INSTALLATION BEGINS. FOR THIS PURPOSE, THE SPRING GROUP IS SEPARATED FROM THE UPPER AND LOWER FRAME GROUPS FIRST. THEN THE SWITCH IS APPROACHED TO THE ACTIVATION PART IN SUCH A WAY THAT IT IS ZERO ON THE SURFACE. THE SIZE BETWEEN ARM GROUPS IS CLOSED UP TO 210 mm AND WHEN THE SIZE BETWEEN ARM GROUPS IS 210 mm, IT IS OBSERVED THAT THE SWITCH IS ACTIVE. IN CASE OF FLOW, THE APPROPRIATE MEASUREMENT IS ACHIEVED TO BE ACTIVE BY APPROACHING THE SWITCH. THE ACTIVE SWITCH IS FIXED WITH THE BOLTS. THE SWITCH MUST BE RESET WITH THE RESET LATCH AFTER ADJUSTMENT.

TOP SURFACE OF SWITCH ACTIVATOR

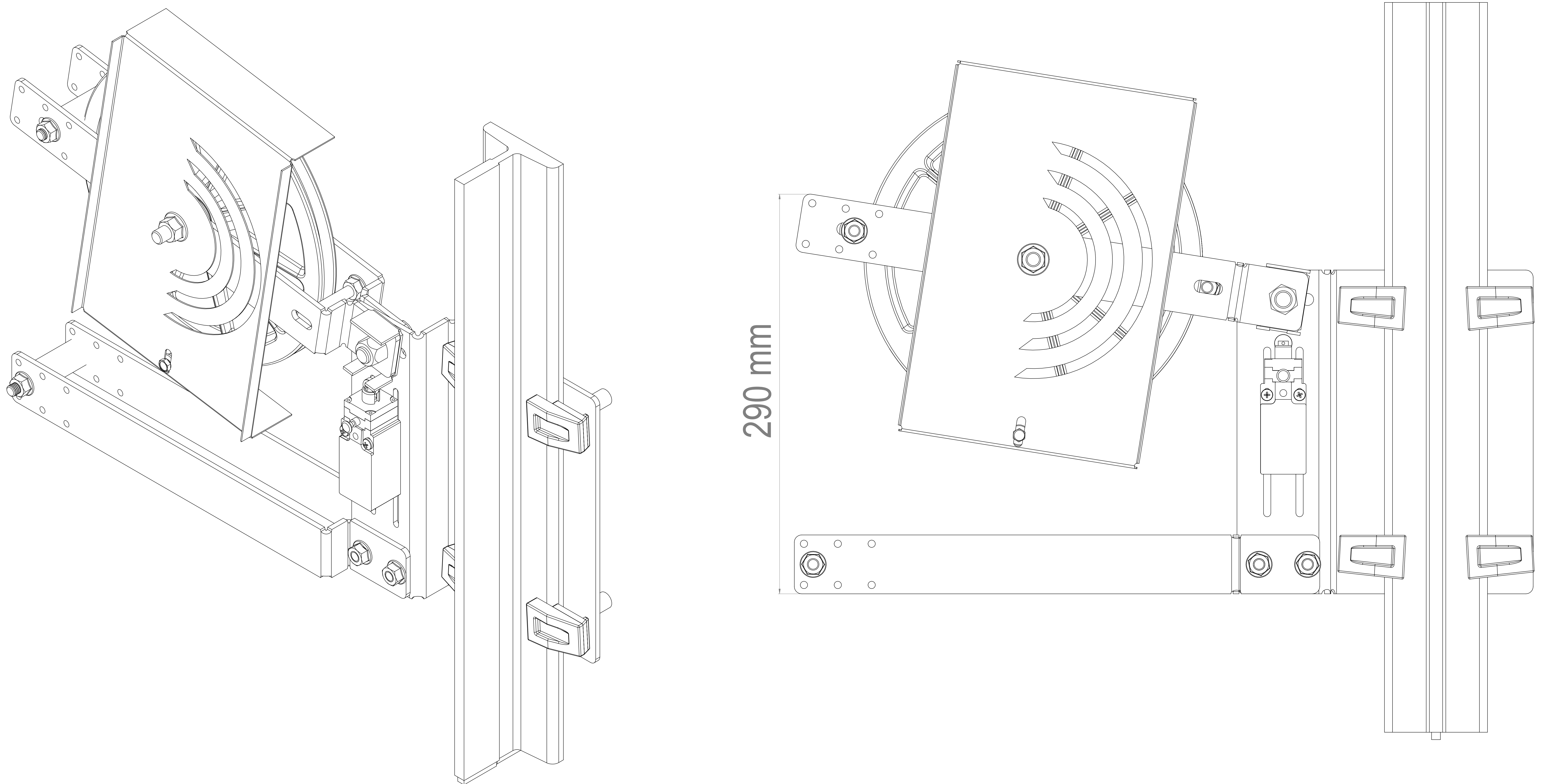


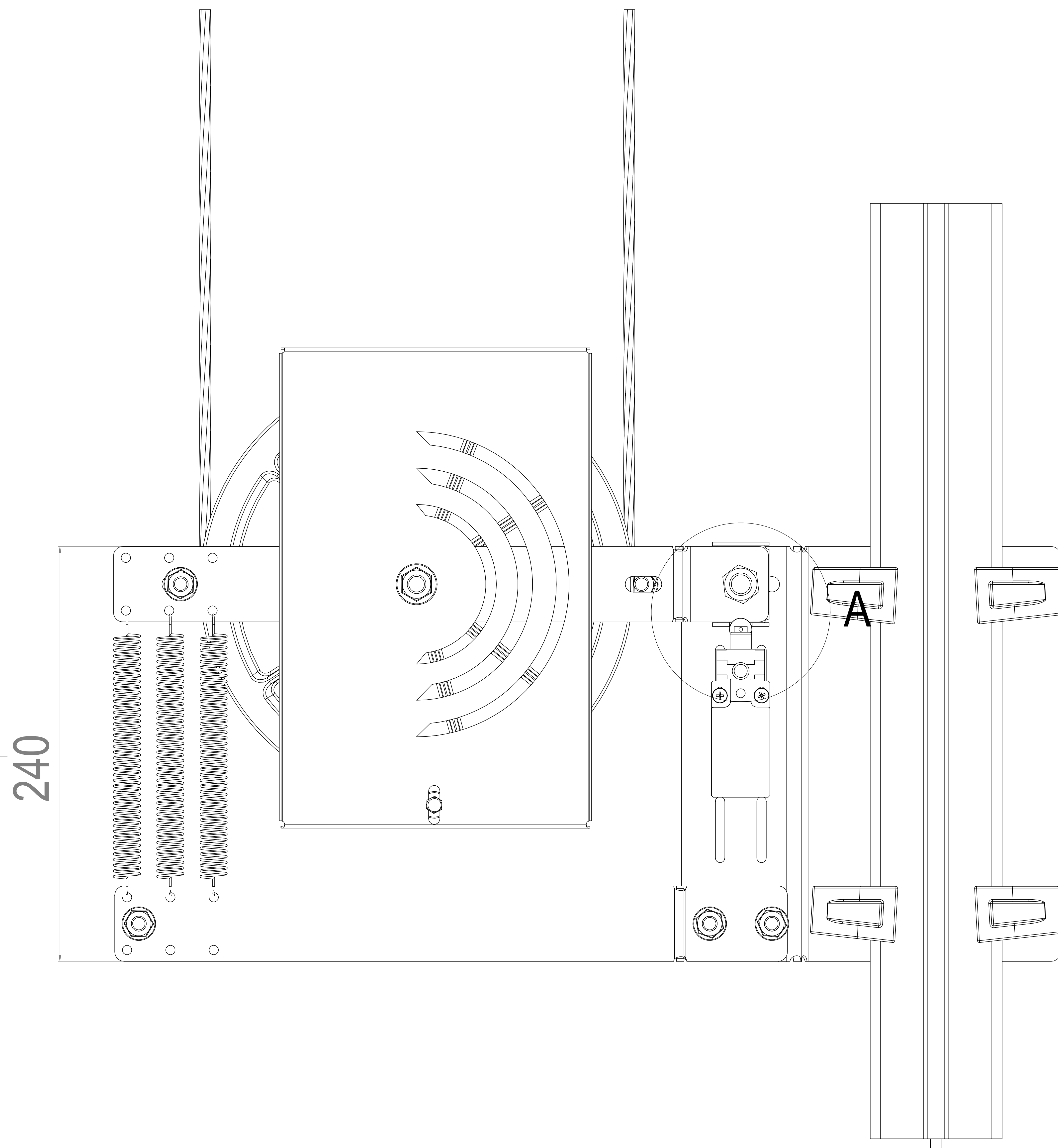
RESET LATCH

WHEN ARM GROUPS ARE INCREASED TO 210 mm, THE SWITCH MUST BE ACTIVE.



AFTER SETTING THE SWITCH, THE TENSION PULLEY IS PLACED ON THE RAIL. WHEN THE GOVERNOR LOWER TENSION CHASSIS IS PLACED ON THE RAIL, M1 FOR 50 RAIL, M2 FOR 70 RAIL, M3 NAIL FOR 90 RAIL ARE ATTACHED TO THE RAIL AS SHOWN BELOW. THE UPPER ARM GROUP MOVES IN THE UPPER DIRECTION UNTIL THE DISTANCE BETWEEN THE LOWER AND UPPER ARM GROUP IS 290 mm FROM OUT TO OUTSIDE. THEN THE BRAKE, REGULATOR AND LOWER TENSION PULLEY ARE PUSHED TOGETHER WITH THE CONTACT ROPE. IF YOUR MAIN RAILS ARE 125, YOU MUST NOTIFY OUR COMPANY DURING ORDERING.

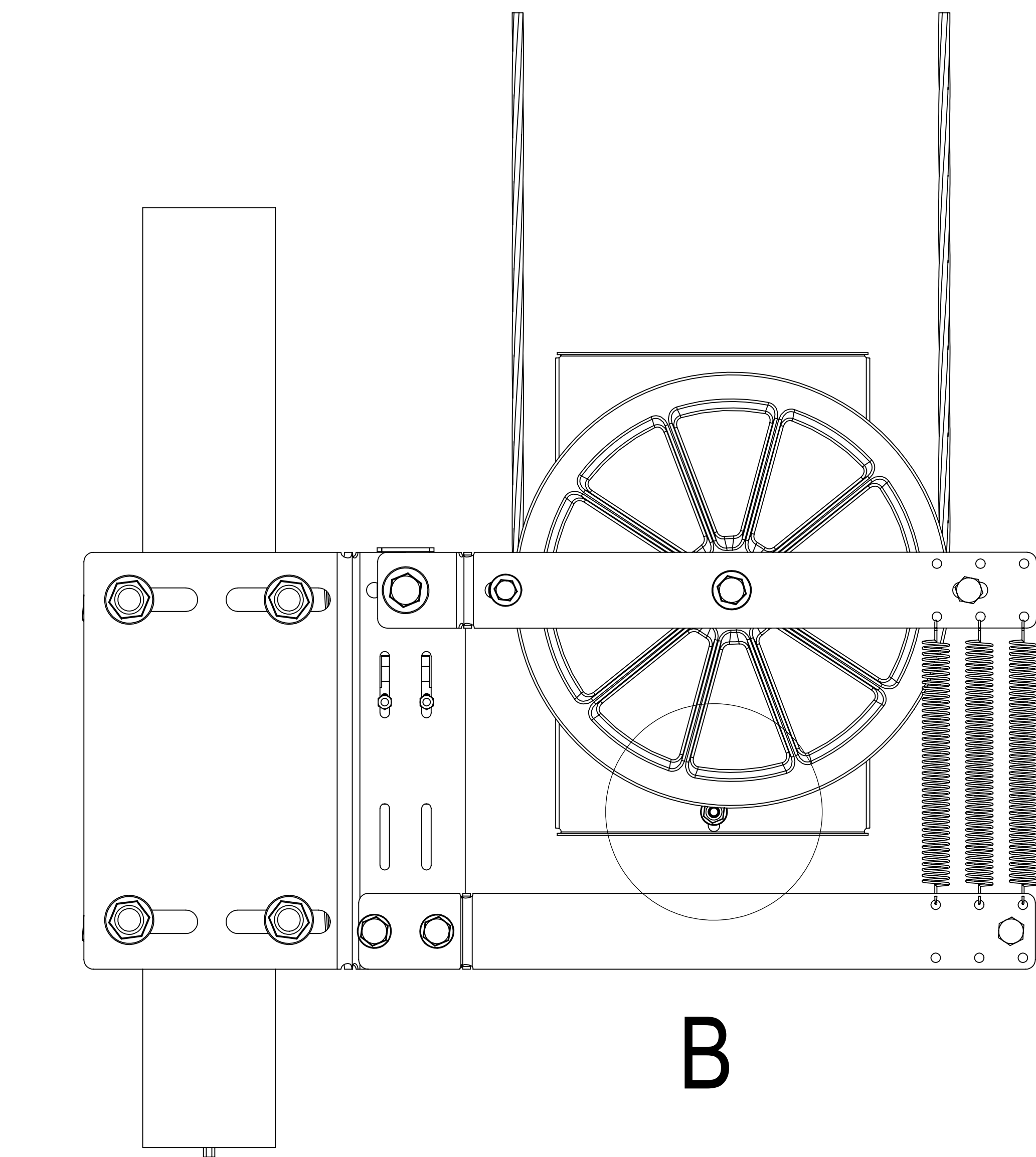




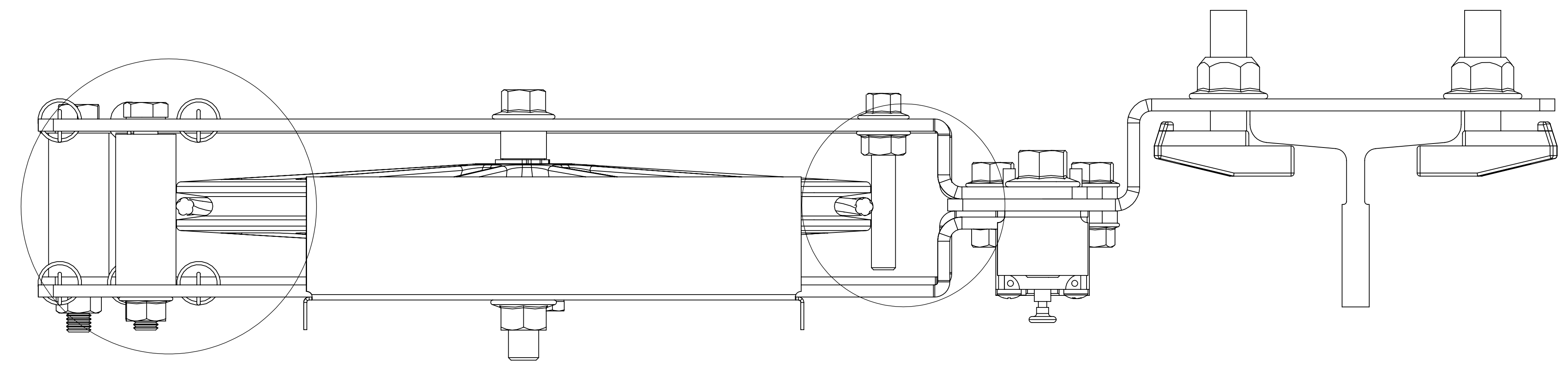
SPRING GROUP IS CONTACTED TO THE UPPER FRAME GROUP OPENED UP TO 290 mm, THE UPPER ARM GROUP IS MADE PARALLEL ACCORDING TO THE LOWER FRAME GROUP BY CHANGING LONG OF ROPE; THE UPPER AND LOWER FRAME GROUPS ARE BECAME FROM TOOTH TO TOOTH TO 240 mm. UPPER FRAME GROUP CREATES 450 N FORCE ON THE CONTACT ROPE WITH THE SPRING GROUP. IN THE PERIODIC CONTROLS, THE ROPE IS STRETCHED FROM TOOTH TO BOTTOM 220 mm AND BELOW DUE TO ROPE ELONGATION BETWEEN UPPER AND LOWER FRAME GROUPS, THE MEASUREMENT IS ADJUSTED TO 240 mm BY STRETCHING AGAIN.

IN THE FORM OF RUPTURE OF THE CONTACT ROPE, THE UPPER FRAME GROUP ACTS ON THE SWITCH BY MOVING WITH SPRING FORCE IN THE DOWNWARD DIRECTION.

AFTER ASSEMBLY, ROPE GUARDS MUST BE ADJUSTED FROM 3 POINTS TO PREVENT THE ROPE FROM COMING OUT.

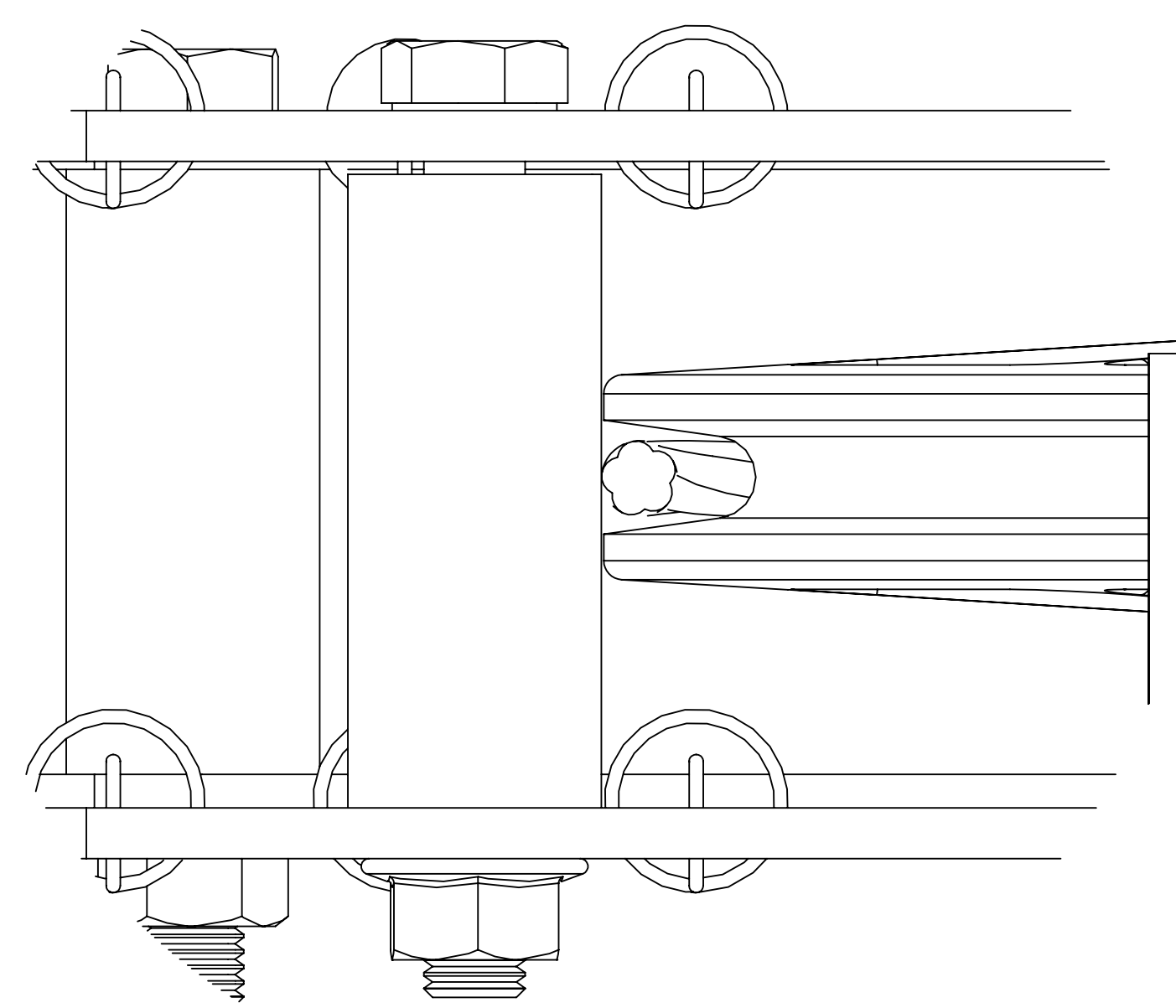


B

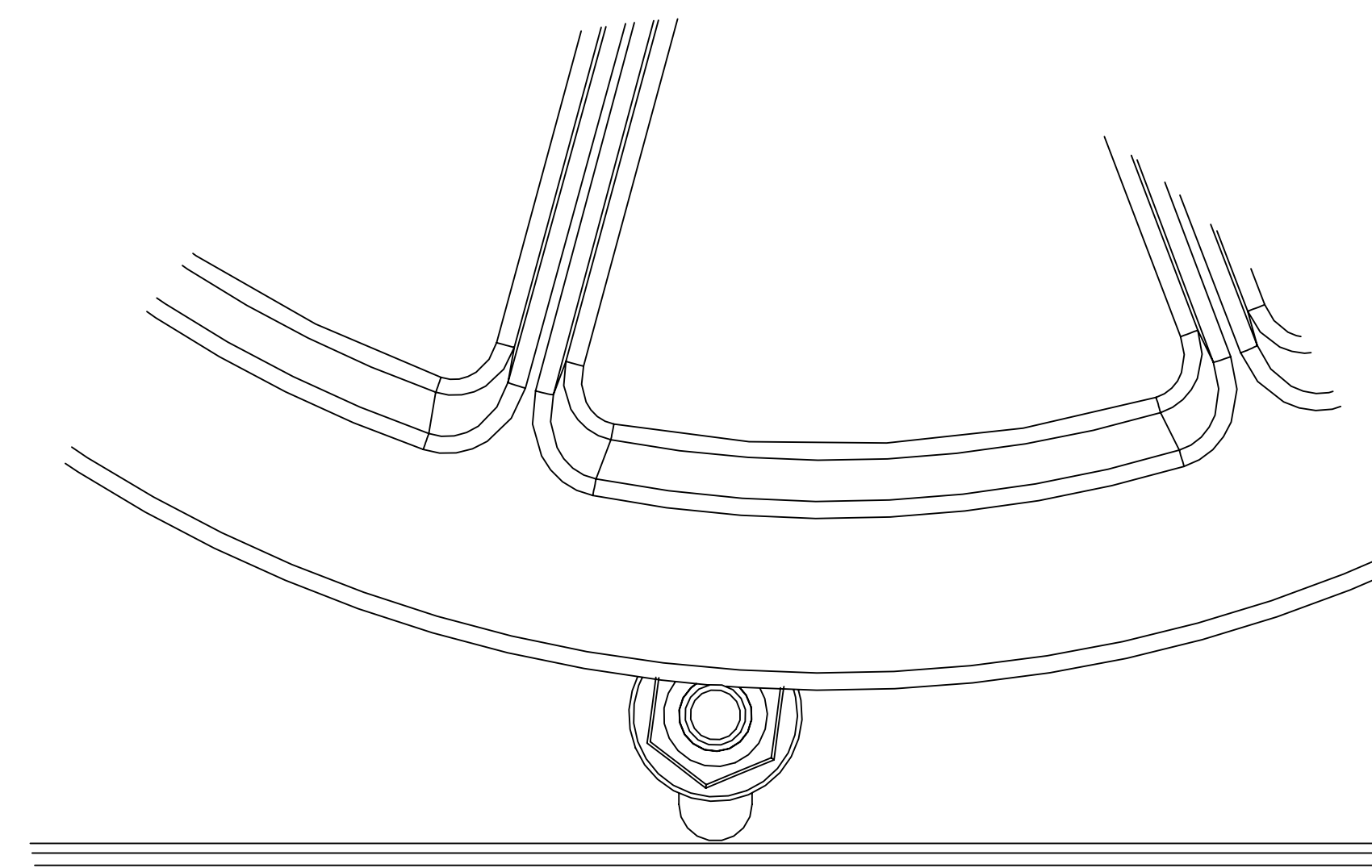


C

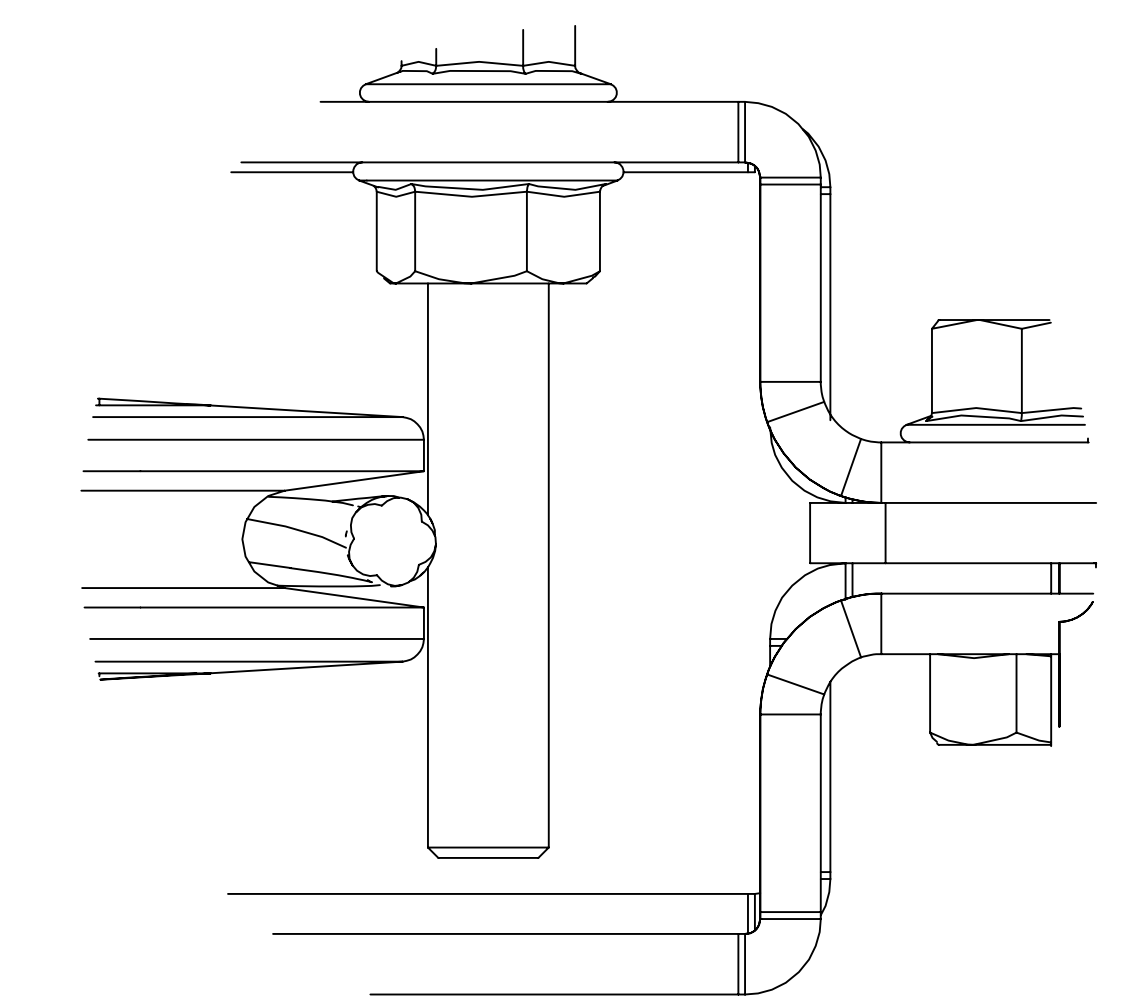
D



DETAIL C  
LEFT SIDE VIEW



DETAIL B  
BOTTOM SIDE VIEW



DETAIL D  
RIGHT SIDE VIEW

LEFT SIDE, BOTTOM AND RIGHT SIDE ROPE PROTECTION PINS ARE APPROACHED UNTIL 1-2 mm REMAINS ON THE PULLEY.

TENSION OF ROPE AND SPRING GROUP, POSITION OF THE PINS AND SWITCH SHOULD BE CHECKED IN THE PERIYODIC CONTROLS. THERE IS A SITUATION IN THE INSTALLATION MANUAL IF THE ADJUSTMENTS ARE MADE ACCORDING TO THE INSTALLATION.

NO	TARİH(DATE)	KİLİTLEME NEDENİ(LOCKING REASON)	PERSONEL AD-SOYAD NAME - SURNAME

NO	TARİH(DATE)	BAKIM VE ARIZA NOTLARI(DESCRIPTION)	PERSONEL AD-SOYAD NAME - SURNAME

NO	TARİH(DATE)	KİLİTLEME NEDENİ(LOCKING REASON)	PERSONEL AD-SOYAD NAME - SURNAME

NO	TARİH(DATE)	BAKIM VE ARIZA NOTLARI(DESCRIPTION)	PERSONEL AD-SOYAD NAME - SURNAME

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NO	TARİH(DATE)	KİLİTLEME NEDENİ(LOCKING REASON)	PERSONEL AD-SOYAD NAME - SURNAME

NO	TARİH(DATE)	BAKIM VE ARIZA NOTLARI(DESCRIPTION)	PERSONEL AD-SOYAD NAME - SURNAME

# AB TİP İNCELEME SERTİFİKASI

No: LDsq08-0309-0118-22

## ÖZBEŞLER MAKİNA OTOMOTİV KUYUMCULUK AKARYAKIT İNŞAAT ASANSÖR SANAYİ VE TİCARET LİMİTED ŞİRKETİ

Samanlı Mah. 2. Serin Sok. No:138 – Yıldırım, Bursa, Türkiye

**D KARE GÖZETİM TEST VE BELGELENDİRME TİC. LTD. ŞTİ.;** yukarıda unvanı belirtilen firmanın ürettiği ve aşağıda teknik özellikleri belirtilmiş olan asansör güvenlik aksamının, **2014/33/AB Asansör Yönetmeliğinin 1 numaralı Ekinde belirtilen Temel Sağlık ve Güvenlik Kurallarını** karşıladığını değerlendirmiş olup, onaylamaktadır.

### 2014/33/AB Ek IV/A Asansör Güvenlik Aksamı İçin AB Tip İncelemesi (Modül B) ÜRÜNÜN;

Tanımı	: 2014/33/AB Asansör Yönetmeliği Ek-III madde 3. Aşırı Hız Sınırlayıcı Tertibatlar
Adı	: Hız Regülatörü
Markası	: ÖZBEŞLER
Tipi	: ÖBM-B MR, ÖBM-B MRL
Tip Varyasyonları	: ÖBM-B MR (HR 40, HR 50, HR 63, HR 80, HR 100, HR 120, HR 160, HR 200) ÖBM-B MRL (HR 40, HR 50, HR 63, HR 80, HR 100, HR 120, HR 160, HR 200)
Temel Özellikler	: Beyan Hızı: 0,40 ile 2,00 m/s aralığında Azami devreye girme hızı: 0,60 ile 2,62 m/s aralığında Sertifika ekinde detaylandırılmıştır.

Bu sertifika ve ekinde belirtilen tipler ve ekipmanlar üzerinde gerçekleştirilecek değişiklikler veya ilgili standart üzerinde meydana gelebilecek değişiklikler durumunda sertifikanın geçerliliği D KARE tarafından yeniden değerlendirilmelidir.

Bu sertifika 08/03/2022 tarihli ve LDsq08-0308-0118-22 numaralı final raporunda belirtilen bulgular doğrultusunda düzenlenmiştir.

Güvenlik ekipmanının uygunluğunun değerlendirilmesi sırasında TS EN 81-20:2020 ve TS EN 81-50:2020 standartlarında belirtilen muayene ve deney metotları kullanılmıştır.

Selcan GÖRMÜŞ

Genel Müdür

Yayın Tarihi : 09 Mart 2022

Geçerlilik Tarihi : 08 Mart 2027

Revizyon Tarihi/No: 16 Mart 2022/01



LIFTS-2528-2200047



**ÖZBEŞLER MAKİNA OTOMOTİV KUYUMCULUK AKARYAKIT  
İNŞAAT ASANSÖR SANAYİ VE TİCARET LİMİTED ŞİRKETİ  
SAMANLI MAH. 2.SERİN SOK. NO:138 YILDIRIM/BURSA/TÜRKİYE  
TEL: +90 224 351 4301 FAX:+90 224 351 4303**

**AT UYGUNLUK BEYANI**  
EU DECLARATION OF CONFORMITY

**İMALATÇI/MANUFACTURER NAME**  
ÖZBEŞLER MAKİNA OTOMOTİV KUYUMCULUK AKARYAKIT İNŞAAT ASANSÖR SANAYİ VE TİCARET LİMİTED ŞİRKETİ

**İMALATÇI ADRESİ/MANUFACTURER ADRESS**  
SAMANLI MAH. 2. SERİN SOK. NO:138 YILDIRIM/BURSA/TÜRKİYE

**ÜRÜN ADI/PRODUCT NAME**  
ÇİFT YÖNLÜ HIZ REGÜLATÖRÜ/ OVERSPEED GOVERNOR-BI DIRECTIONAL

**ÜRETİM TARİHİ/DATE OF MANUFACTURE**  
ETİKET ÜZERİNDE/SEE DATA PLATE ON PRODUCT

**TİP/TYPE**  
ÖBM-B MR / ÖBM-B MRL  
(0.40 m/s-2.00 m/s )

**SERİ NO/SERIAL NUMBER**  
ETİKET ÜZERİNDE/SEE DATA PLATE ON PRODUCT

**UYGULANAN STANDARTLAR/EURAPEAN STANDARTS**  
EN 81-20:2020/EN 81-50:2020

**UYGULANAN DİREKTİFLER /EUROPEAN DIRECTIVES**  
LIFT DIRECTIVE/2014/33/EU

**ÜZERİNDE SERİ NUMARASI VE KAPASİTE BİLGİLERİ YER ALAN ÜRÜNÜN KULLANICIYA TESLİM EDİLEN KULLANIM VE BAKIM KLAVUZLARINDAKİ ŞARTLARA UYMASI DURUMUNDA YUKARIDA BELİRTİLEN STANDARTLARA VE DİREKTİFE UYGUNLUĞUNU BEYAN EDERİZ.**

**WE HERE BY CONFIRM THAT THE PRODUCT (REQUIREMENTS OF THE DIRECTIVE AND STANDARTS MENTIONED ABOVE UNDER THE CONDITIONS GIVEN AT INSTRUCTIONS FOR USE.)**

**ONAY KURULUŞU/NOTIFIED BODY: D KARE GÖZETİM TEST VE BELGELENDİRME TİC.LTD.ŞTİ. -2528**

**BELGE NO / CERTIFICATE NR: LDsq08-03090118-22**

**FİRMA SORUMLUSU/RESPONCE OF COMPANY : YENER ÇAKMAK**

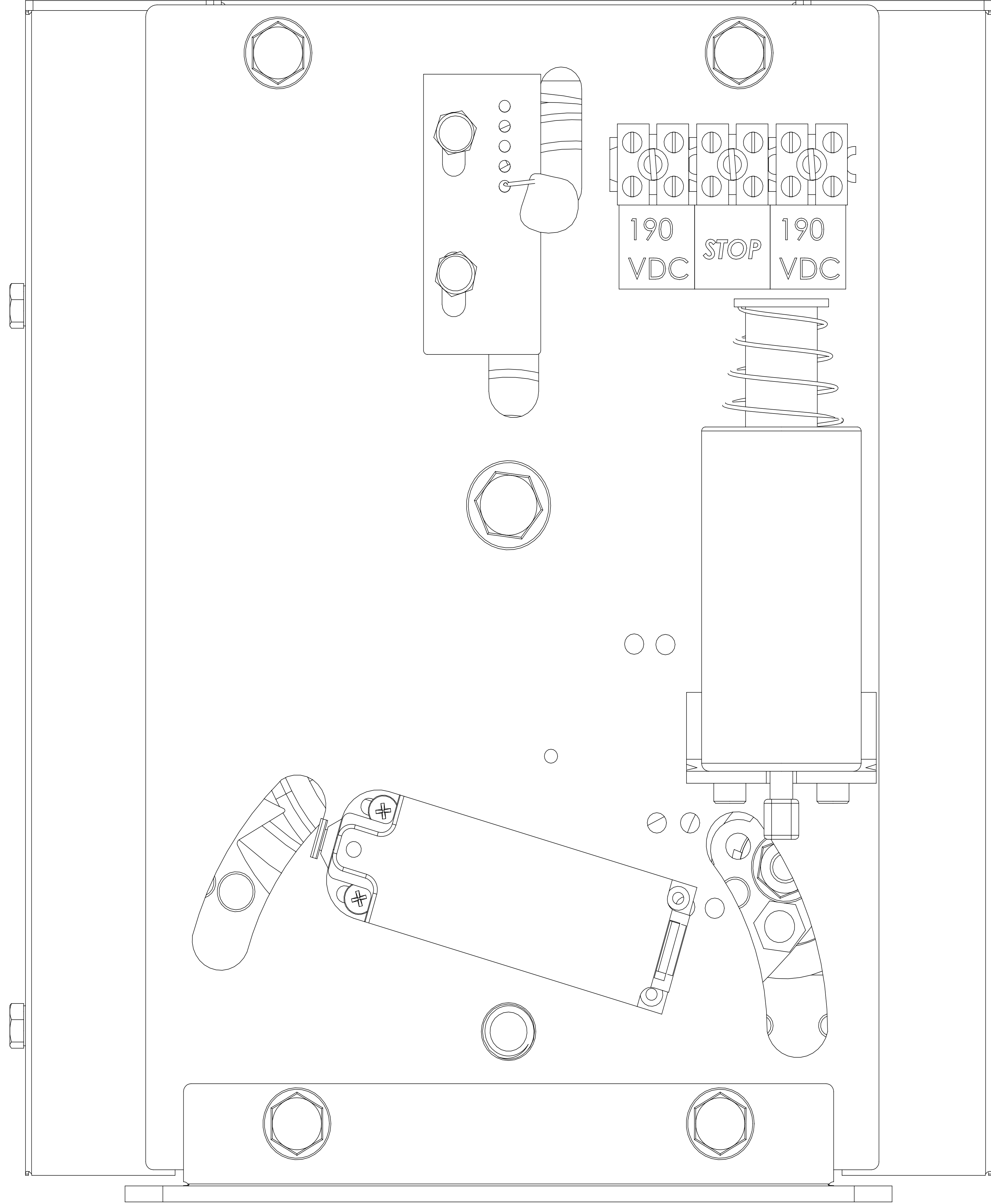
**YETKİLİ İMZA/LEGALLY BINDING SIGNATURE**

**ÖZBEŞLER MAKİNA**

OTOMOTİV KUYUMCULUK AKARYAKIT İNŞAAT ASANSÖR SANAYİ VE TİCARET LİMİTED ŞİRKETİ  
MERKEZİ: BURSA / YILDIRIM MAHALLESİ / SAMANLI MAH. 2. SERİN SOK. NO: 138 / BURSA / TÜRKİYE  
Tic. Sic. No: 272112 / Mersis No: 068800713700002  
ŞUBE: SAMANLI MAHALLESİ / YILDIRIM MAHALLESİ / SAMANLI MAH. 2. SERİN SOK. NO: 138 / BURSA / TÜRKİYE  
Tel: +90 224 351 4301 / Fax: +90 224 351 4303 / www.ozbesler.com.tr  
Ticaret Sicil No: 272112 / Mersis No: 068800713700002

# ÖZBEŞLER ASANSÖR

## ÇİFT YÖNLÜ HIZ REGÜLATÖRÜ KURULUM , KULLANMA VE BAKIM KLAVUZU



ÖBM-B MR VE ÖBM-B MRL