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# PROJEKT WYKONAWCZY SYSTEMU INFORMACJI WIZUALNEJ

w przejściach podziemnych w Warszawie

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**INWESTOR:**

ZDM Warszawa  
ul. Chmielna 120  
00-801 Warszawa

**FAZA:**

PROJEKT WYKONAWCZY

**BRANŻA:**

SYSTEM INFORMACJI WIZUALNEJ

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**REWIZJA:**

05

Warszawa, 13 października 2016 r.

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## **PROJEKT WYKONAWCZY SYSTEMU INFORMACJI WIZUALNEJ DLA PRZEJŚĆ PODZIEMNYCH W WARSZAWIE**

Projektowany system stanowi integralną część obowiązującego w Warszawie Miejskiego Systemu Informacji (MSI). Adaptuje także obowiązujące w systemie komunikacji publicznej ZTM oznaczenia rodzajów środków komunikacji, wraz z kodem kolorystycznym.

### **Format pola informacji**

Projektowane pola informacji mają wysokość 18 cm i długość zależnie od potrzeb: 100cm, 160 cm, 200 cm, 250 cm i 300 cm.

### **Budowa i montaż nośnika**

Rama kasetonu zbudowana jest z profilu aluminiowego. Trzy boki ramy kasetonu zespawane są ze sobą. Profil dolny lub boczny montowany jest do zespawanego w.w. zespołu przy pomocy stalowych prowadnic wsuniętych w komory profili i zabezpieczonych śrubami ze stali nierdzewnej. Profile aluminiowe malowane są proszkowo na kolor biały półmatowy RAL 9010. Przed zamknięciem kasetonu w prowadnice wsunięte są dyfuzory z arkusza mlecznego tworzywa sztucznego (plexi) do podświetleń, na którym naniesiona jest grafika z plotowanej folii samoprzylepnej do podświetleń analogicznej do Oracal 8500.

Kasetony dwustronne montowane są do stropu betonowego przejścia podziemnego przy pomocy prętów gwintowanych. Odcinki prętów widoczne pomiędzy kasetonem a stropem betonowym lub pomiędzy kasetonem a sufitem podwieszanym zakryć rurkami stalowymi malowanymi na kolor biały półmat RAL 9010. Ilość i rodzaj podwiesi i kołków rozporowych w stropie betonowym należy dobrać odpowiednio do budowy stropu, ciężaru kasetonu oraz obowiązujących norm obciążenia. Kaseton naścienny zbudowany jest analogicznie z tych samych profili z obciętym jednym z jego „skrzydełek”. Tylne ścianki kasetonu naściennego zasklepią stalową blachą ocynkowaną przykręconą na śruby do ramy kasetonu.

Kasetony podświetlane są świetlówkami ledowymi, które powinny zapewnić jednolite rozświetlenie matówki kasetonu o natężeniu ustalonym w drodze działań prototypowych. Stopień rozświetlenia matówki należy uzgodnić z projektantem. Typoszereg długości rodziny świetlówek powinien być odpowiedni dla długości kasetonów. Dopuszcza się składanie linii świetlnej w jednym kasetonie z kilku długości świetlówek. Napięcie 230V (zasilanie z sieci bez transformatorów napięcia), rozsył światła minimum 270 stopni, szczelność opraw do świetlówek minimum IP45 .

Instalację wewnętrzną należy wykonać według umieszczonego w karcie katalogowej schematu. Kabel zasilający doprowadzony według oddzielnego opracowania należy wprowadzić do wnętrza kasetonu wiszącego przez rurkę osłonową podwiesia, a do kasetonu naściennego przez otwór w tylnej ścianie osłonowej.

**WSZYSTKIE WYMIARY SPRAWDZIĆ NA MIEJSCU.**

### **Kolorystyka folii do podświetleń**

Oracal 8500 542 atramentowo niebieski – litery i piktogramy funkcji

Oracal 8500 030 ciemny czerwony – piktogram Tramwaju

Oracal 8500 403 jasny fioletowy – piktogram Autobusu

Oracal 8500 062 jasny zielony – piktogram Kolei Mazowieckich

Oracal 8500 068 trawiasty zielony – piktogram SKM

Oracal 8500 013 cynkowy żółty – piktogram Metra

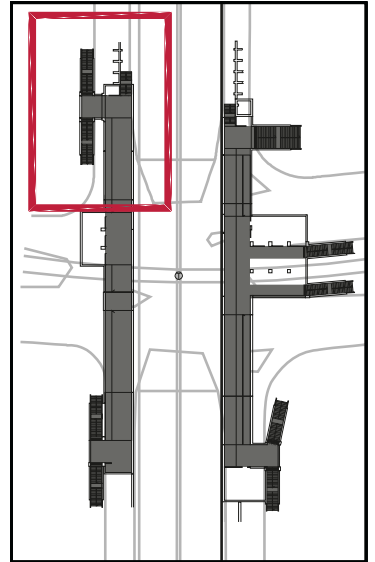
Oracal 8500 031 czerwony – piktogram Metra

### **Kodowanie symbolu nośnika**

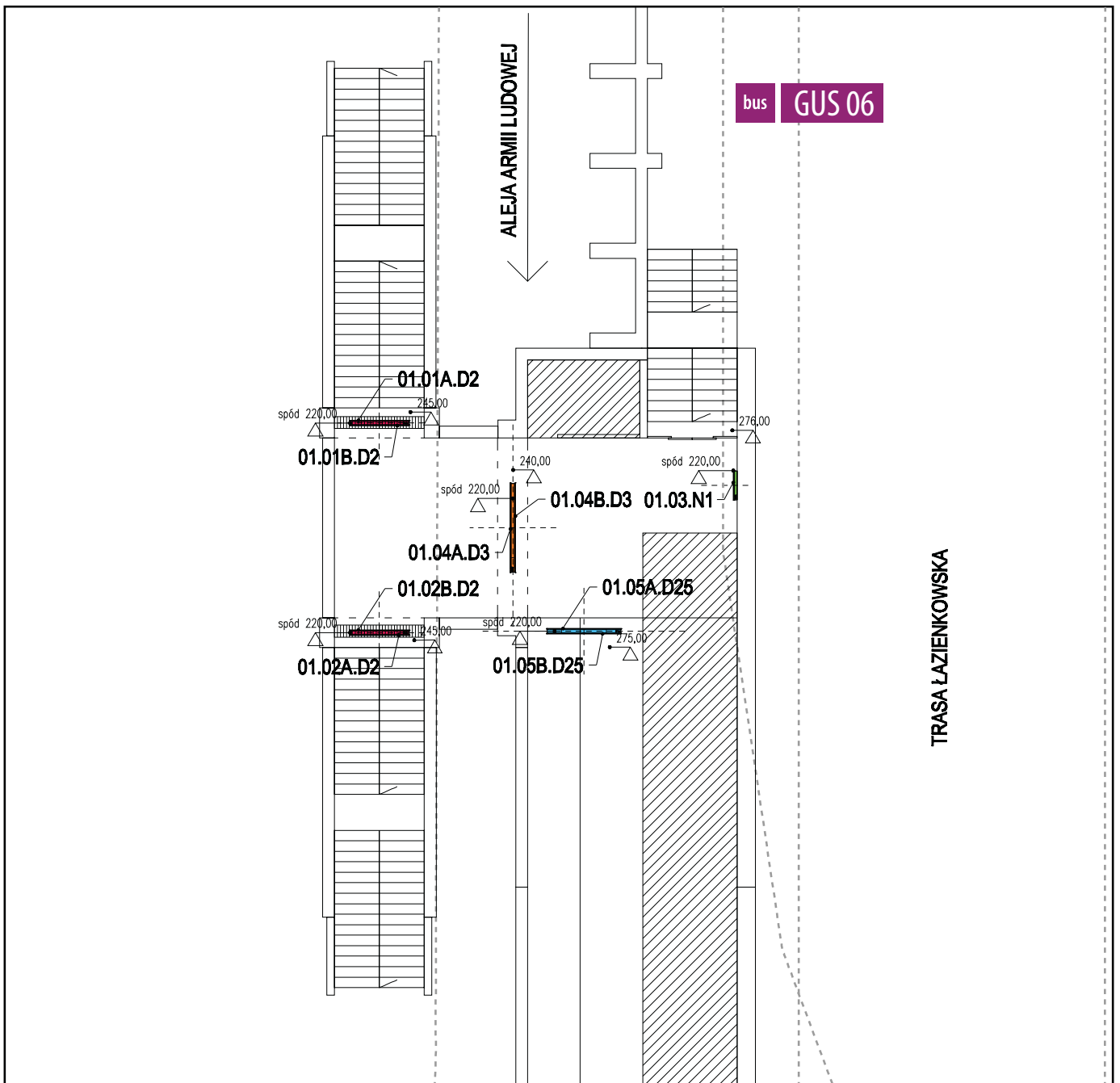
W symbolu nośnika, np.: **22.01A.D3**, zawarte zostały podstawowe informacje dotyczące kolejno:

- wybranego przejścia podziemnego – **21** Rondo J. Waszyngtona, **22** Rondo R. Dmowskiego itd.;
- lokalizacji na planie – **01**, **02** itd.;
- określenia strony informacji w kasetonie dwustronnym **A** lub **B**;
- rodzaju nośnika – **D** - dwustronny, **N** - naścienny, jednostronny;
- długości nośnika – **3** - 300 cm, **25** - 250 cm, **2** - 200 cm, **16** - 160 cm, **1** - 100 cm.

1:200

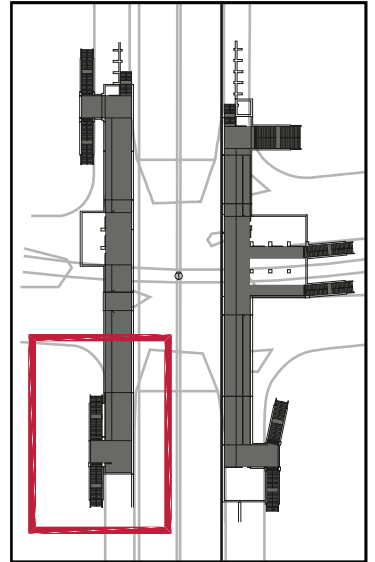


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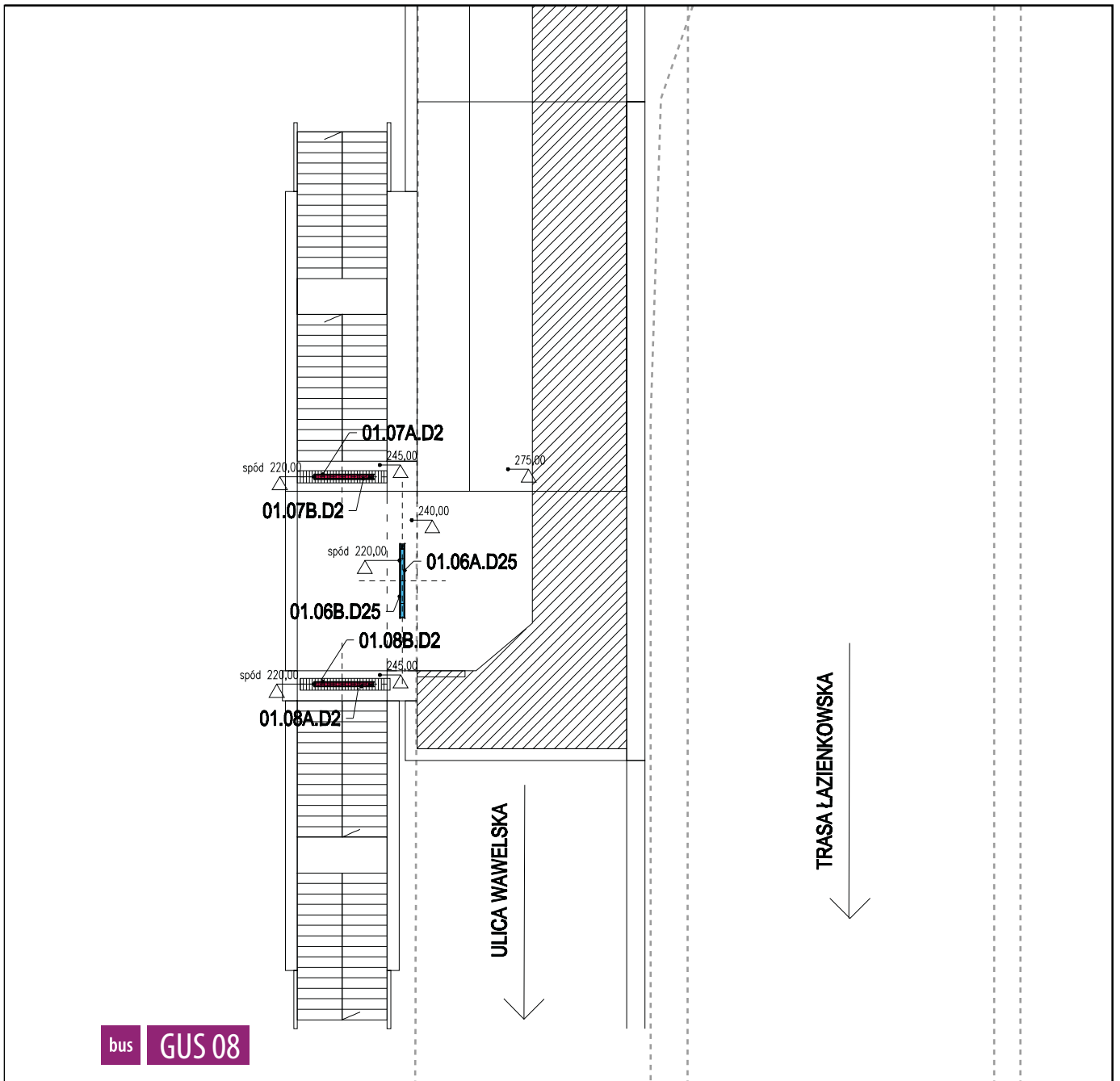


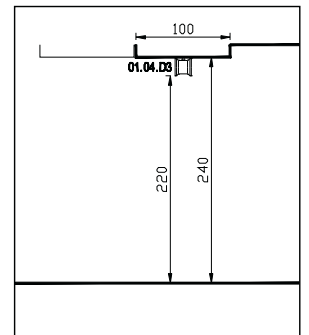
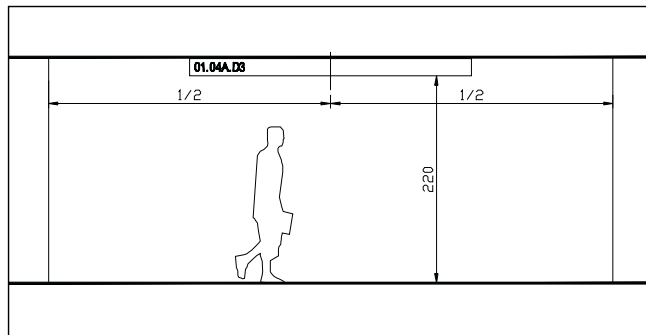
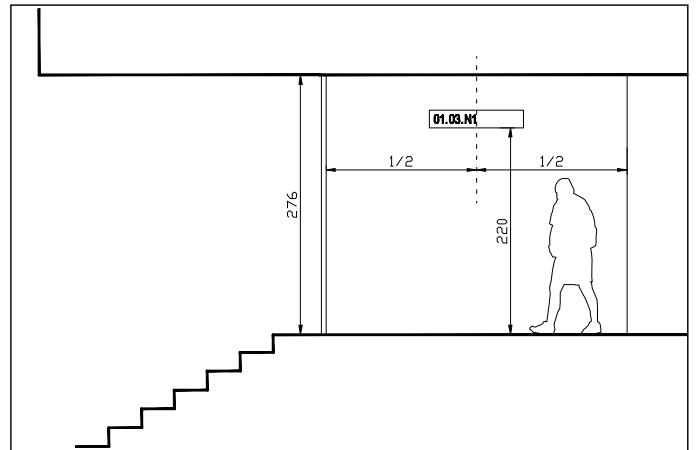
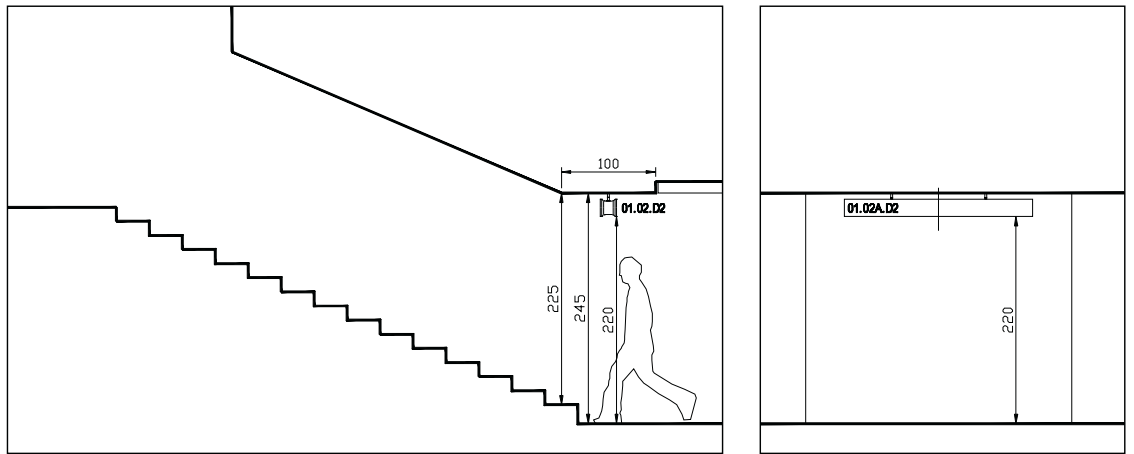
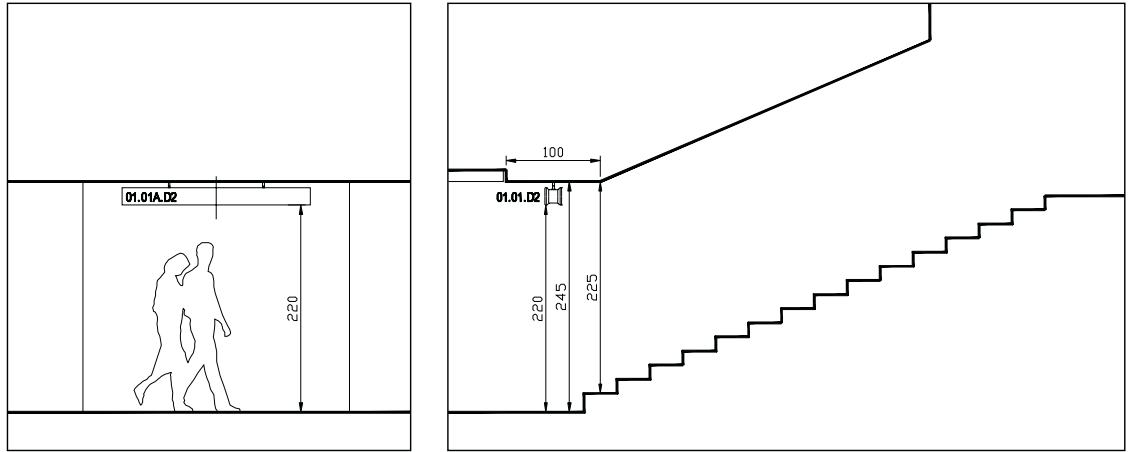


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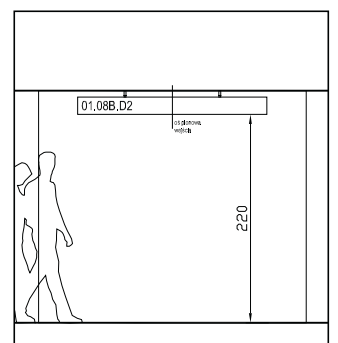
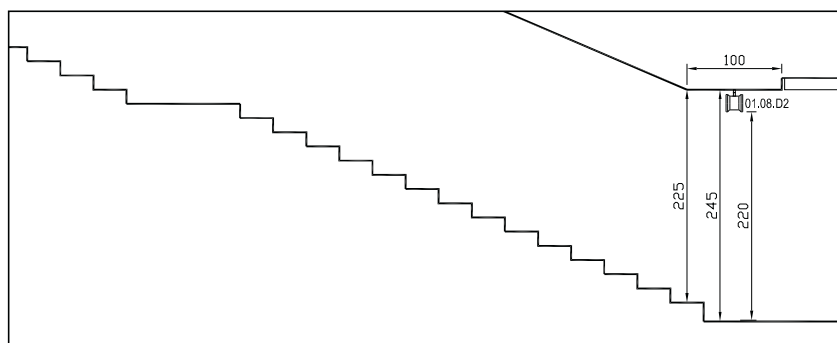
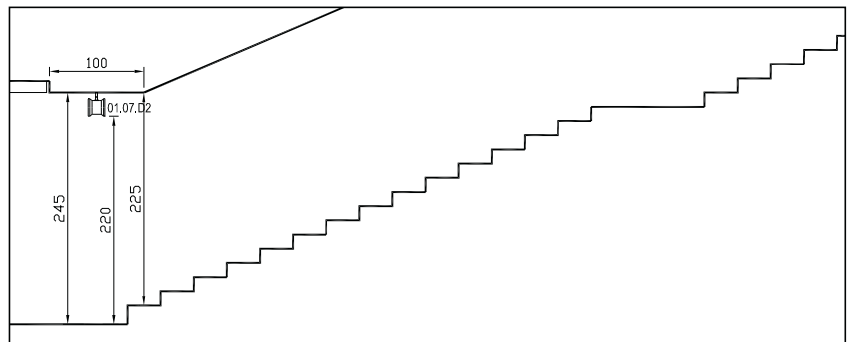
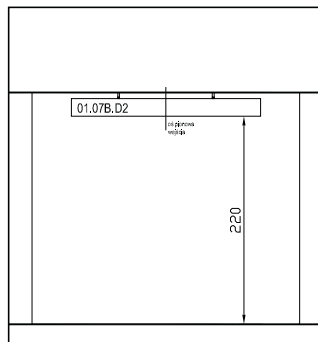
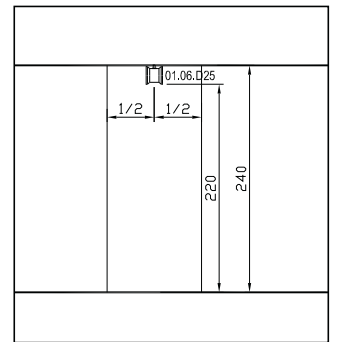
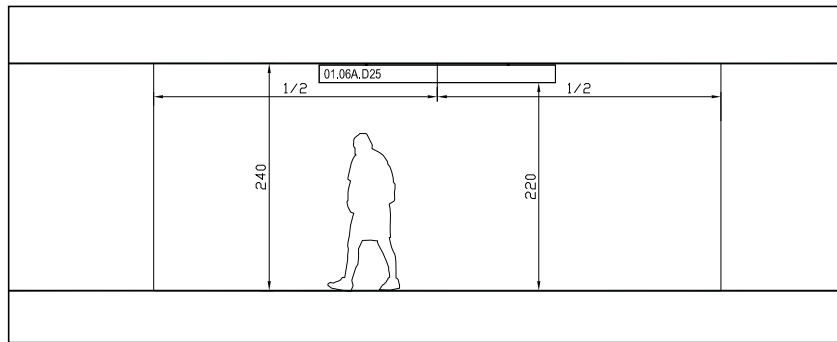
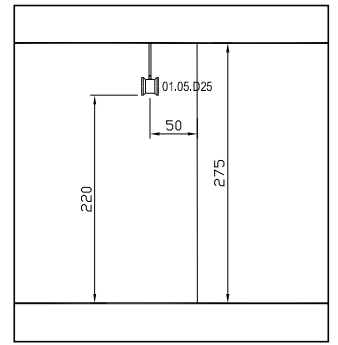
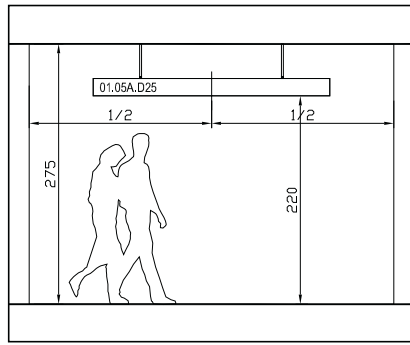


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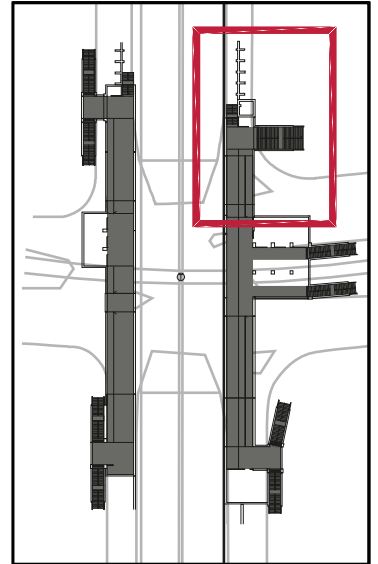
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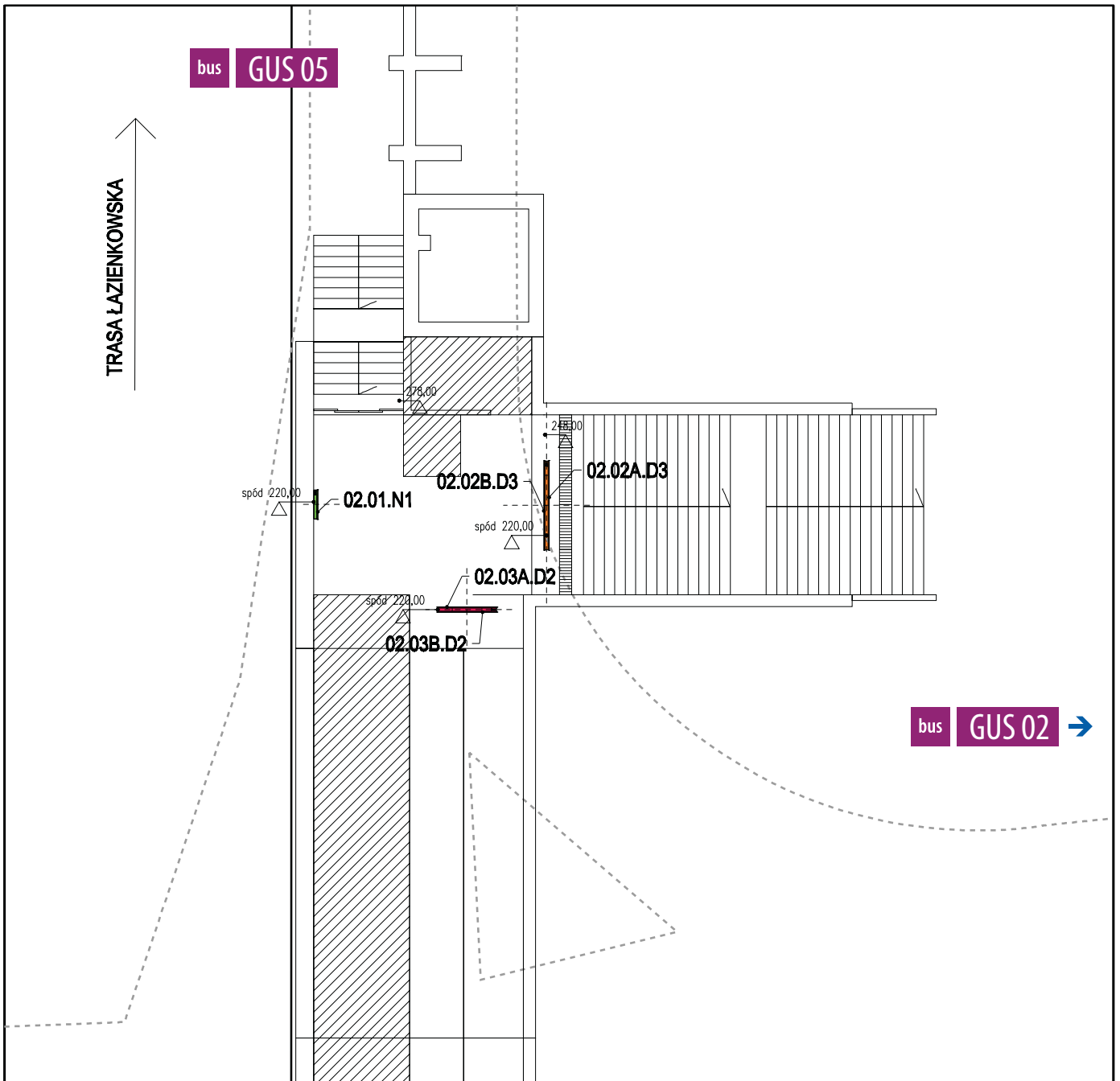
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01.01A.D2	  kierunek direction Ochota ul. Wawelska	
01.01B.D2	 al. Armii Ludowej	
01.02A.D2	 kierunek direction Ochota ul. Wawelska 	
01.02B.D2	al. Niepodległości	
01.03.N1	  kierunek direction Ochota	
01.04A.D3	 al. Armii Ludowej  kierunek direction Ochota	ul. Wawelska  kierunek direction Ochota 
01.04B.D3	 al. Niepodległości, al. Armii Ludowej	
01.05A.D25	 ul. Wawelska  kierunek direction Ochota	
01.05B.D25	 al. Niepodległości, al. Armii Ludowej	 kierunek direction Ochota 
01.06A.D25	 ul. Wawelska  kierunek direction Ochota	al. Niepodległości 
01.06B.D25	 al. Armii Ludowej  kierunek direction Ochota al. Niepodległości	
01.07A.D2	 al. Armii Ludowej  kierunek direction Ochota	
01.07B.D2	al. Niepodległości	
01.08A.D2	al. Armii Ludowej  kierunek direction Ochota 	
01.08B.D2	 ul. Wawelska  kierunek direction Ochota	

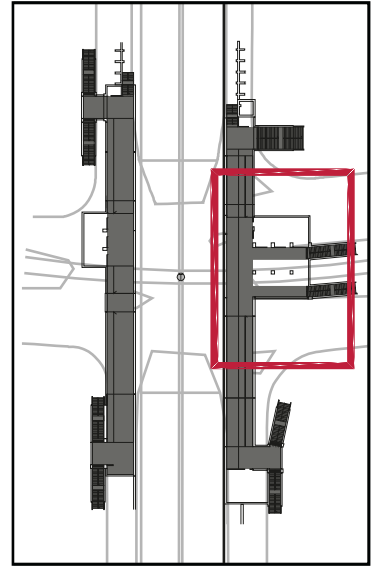
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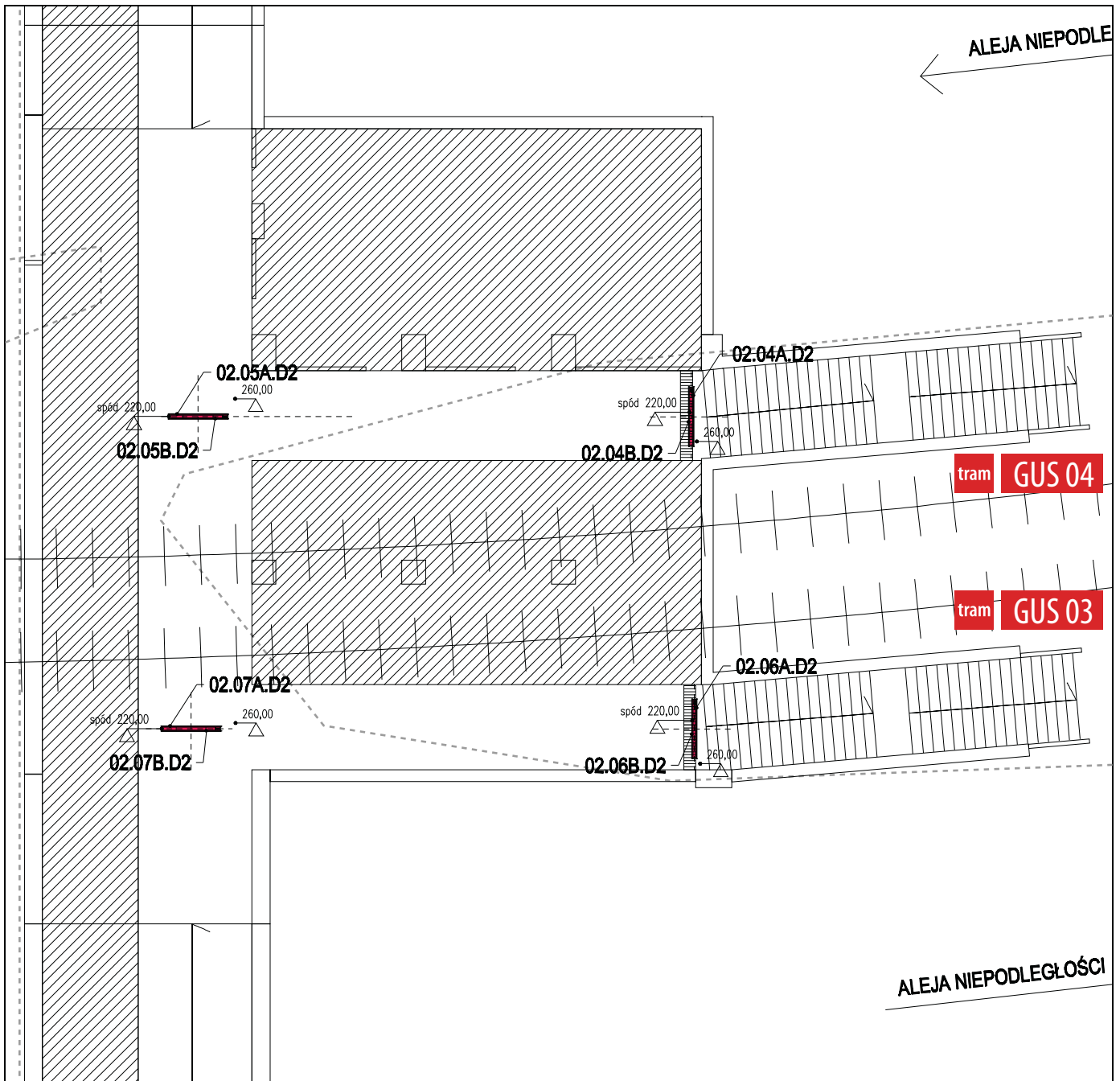
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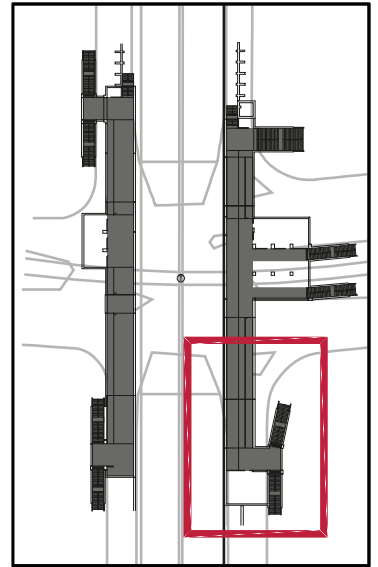
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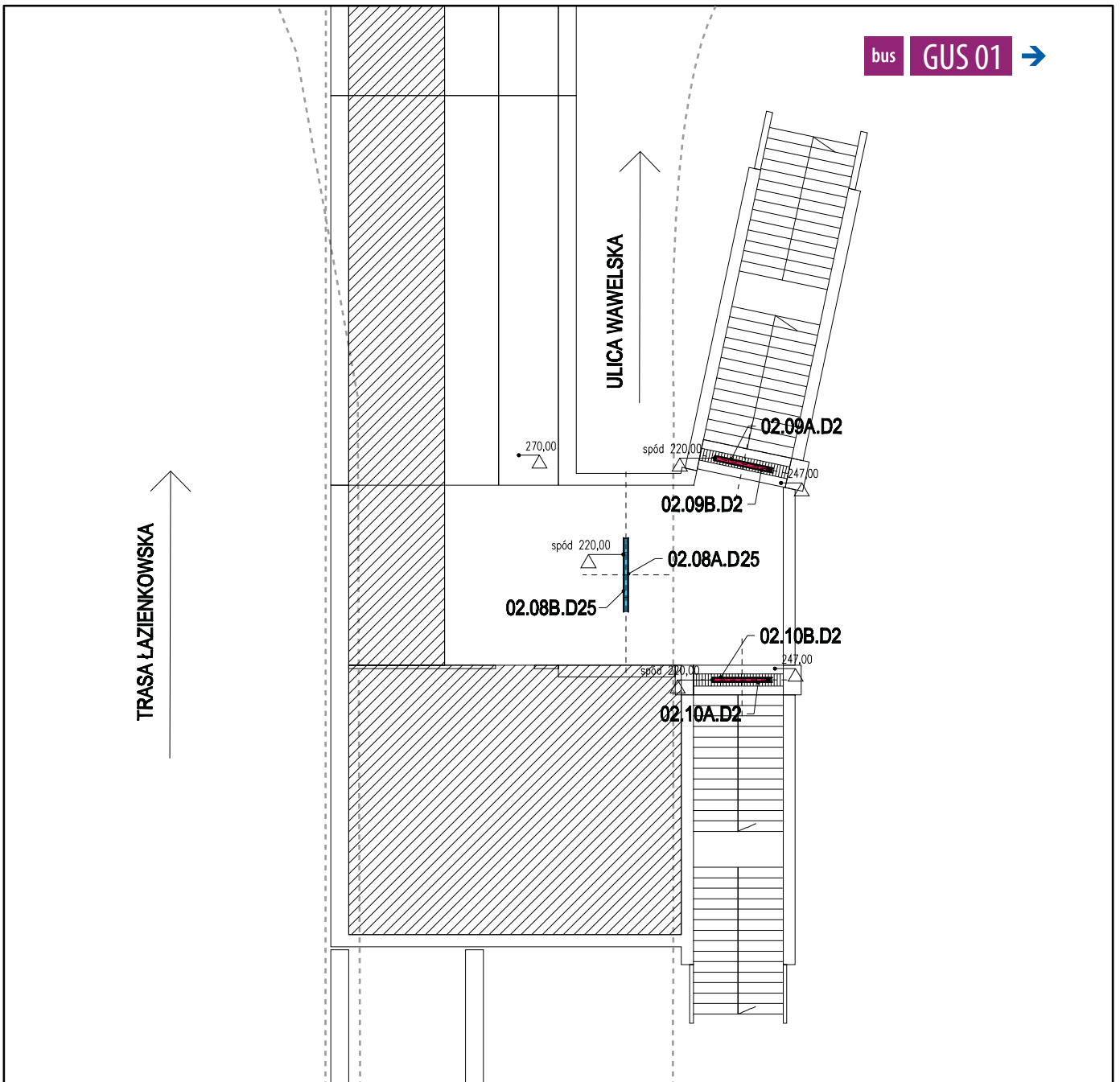
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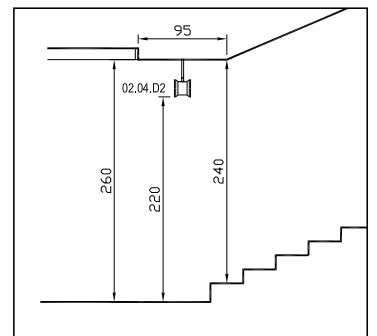
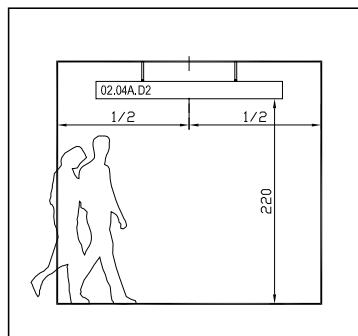
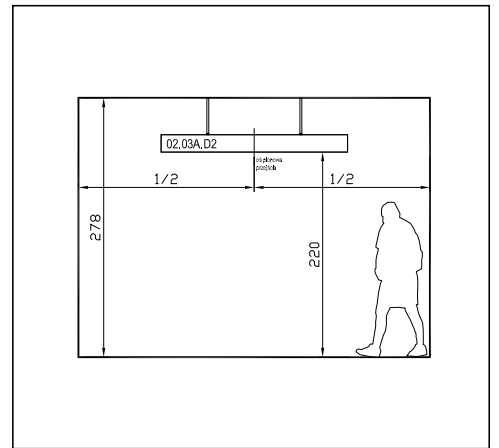
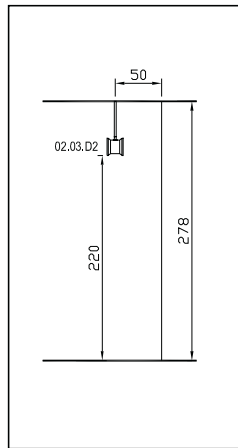
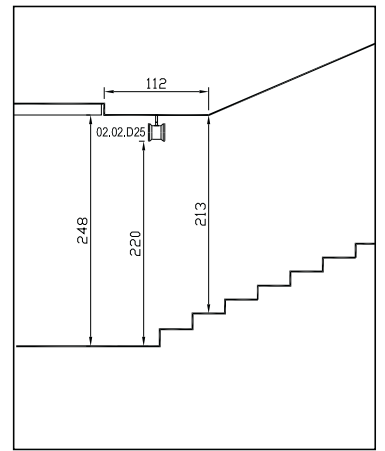
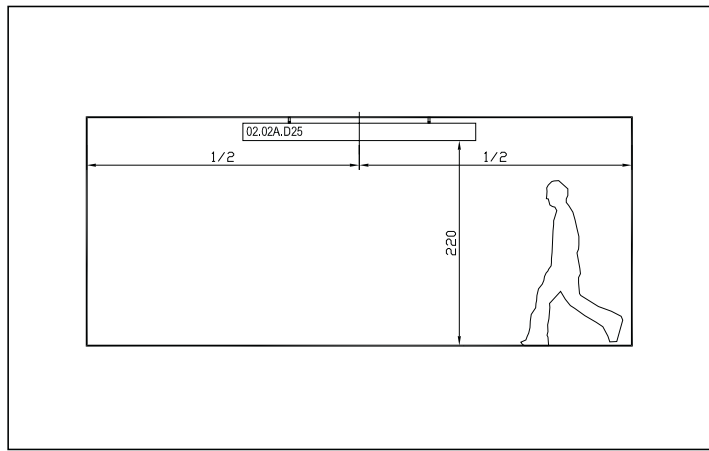
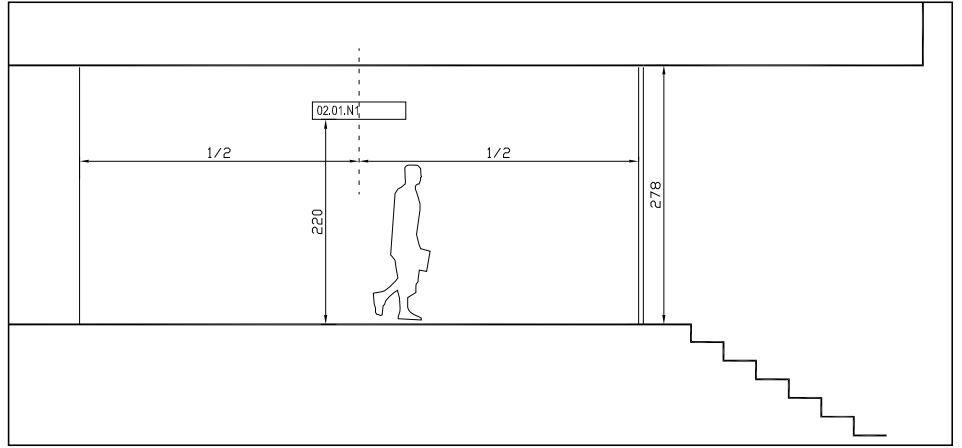


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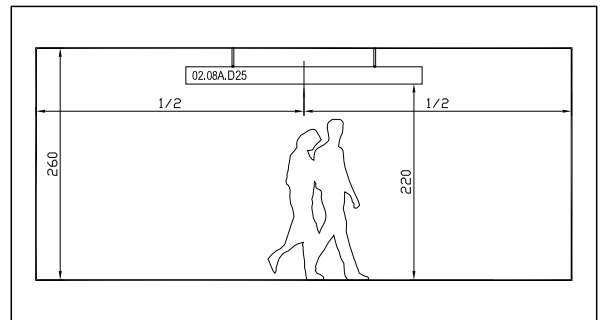
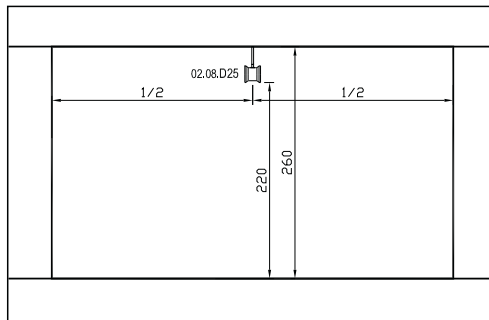
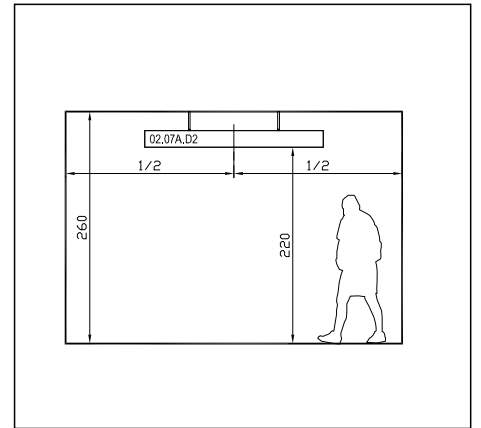
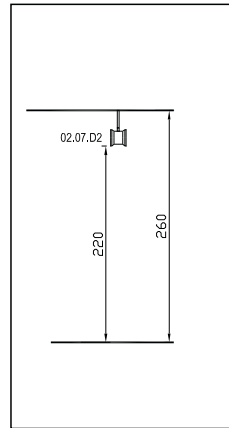
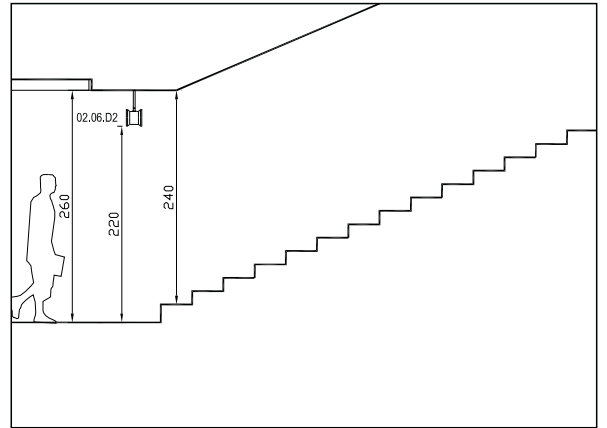
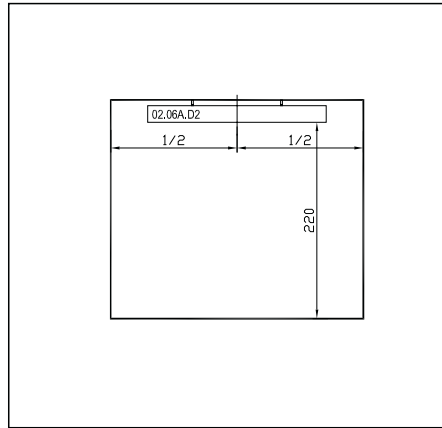
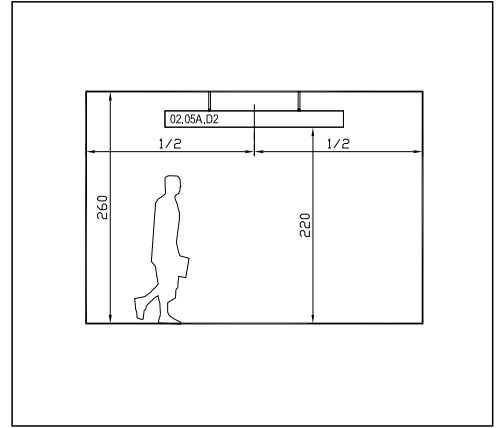
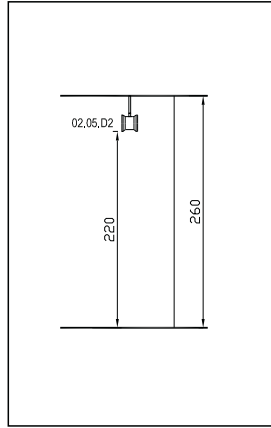


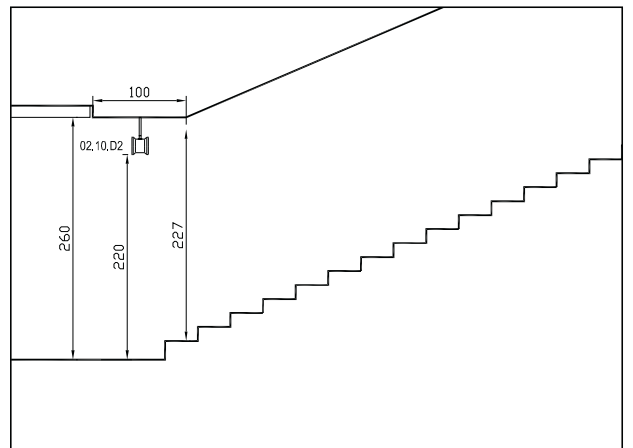
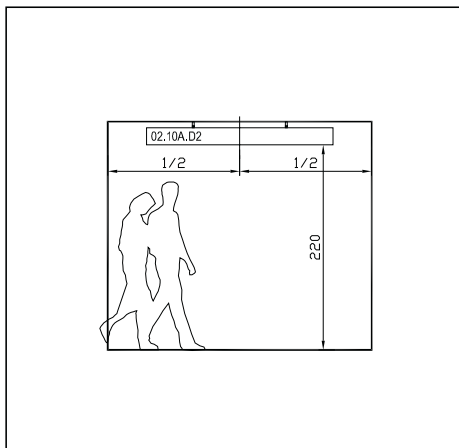
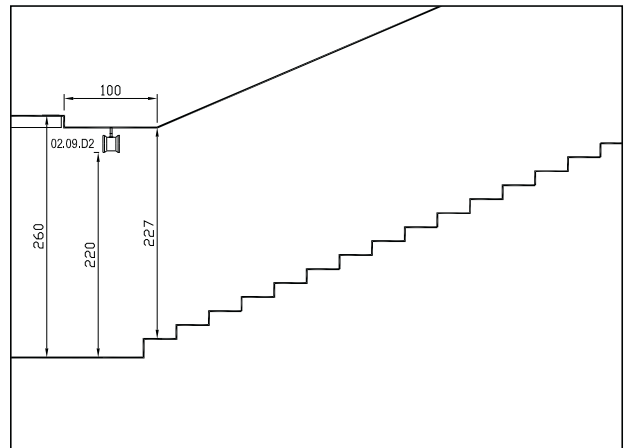
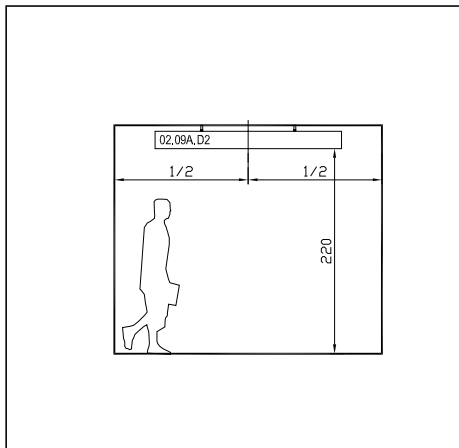
1:20








































































1:8

02.01.N1	 kierunek direction Praga-Pd. 	
02.02A.D3	  kierunek direction Mokotów, Centrum  kierunek direction Mokotów ul. Wawelska	 kierunek direction Praga-Pd. 
02.02B.D3	  kierunek direction Praga-Pd. al. Armii Ludowej	 kierunek direction Centrum al. Niepodległości 
02.03A.D2	  kierunek direction Mokotów, Centrum  kierunek direction Mokotów ul. Wawelska	
02.03B.D2	  kierunek direction Praga-Pd.	 kierunek direction Centrum 
02.04A.D2	   kierunek direction Mokotów	 kierunek direction Praga-Pd., Centrum 
02.04B.D2	 kierunek direction Centrum	
02.05A.D2	  kierunek direction Centrum	  kierunek direction Mokotów 
02.05B.D2	  kierunek direction Praga-Pd., Centrum	 kierunek direction Centrum 
02.06A.D2	  kierunek direction Mokotów	  kierunek direction Centrum  kierunek direction Praga-Pd. 
02.06B.D2	 kierunek direction Mokotów	

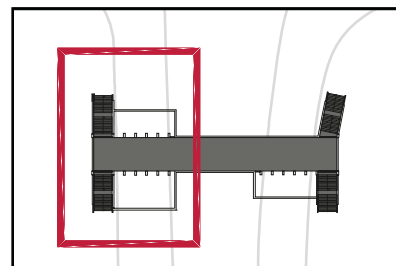
02.07A.D2	 kierunek direction Mokotów	 kierunek direction Mokotów		
02.07B.D2	   kierunek direction Centrum	 kierunek direction Praga-Pd.	 kierunek direction Mokotów	
02.08A.D25	 kierunek direction Mokotów, Centrum		 kierunek direction Praga-Pd., Centrum	al. Armii Ludowej
02.08B.D25	  kierunek direction Mokotów	al. Niepodległości	ul. Wawelska	
02.09A.D2	 kierunek direction Mokotów, Centrum	 kierunek direction Praga-Pd., Centrum		
02.09B.D2	al. Niepodległości		 kierunek direction Mokotów	
02.10A.D2	  kierunek direction Mokotów, Centrum	 kierunek direction Praga-Pd., Centrum		
02.10B.D2	 ul. Wawelska			

**AKTUALNIE PRZEJŚCIE ZAMKNIĘTE.**

BRAK MOŻLIWOŚCI POMIARÓW. NA RYS. NIE UWZGLĘDNIONO POWIERZCHNI PAWILONÓW HANLOWYCH W STANIE OBECNYM. NA RYS. WIDNIEJĄ TYLKO PIERWOTNIE PROJEKTOWANE POW. HANDLOWE.

PROJEKT DOTYCZY SYTUACJI PO EW. OTWARCIU PRZEJŚCIA.

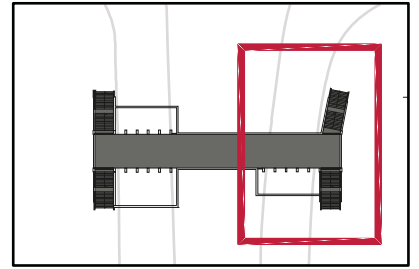
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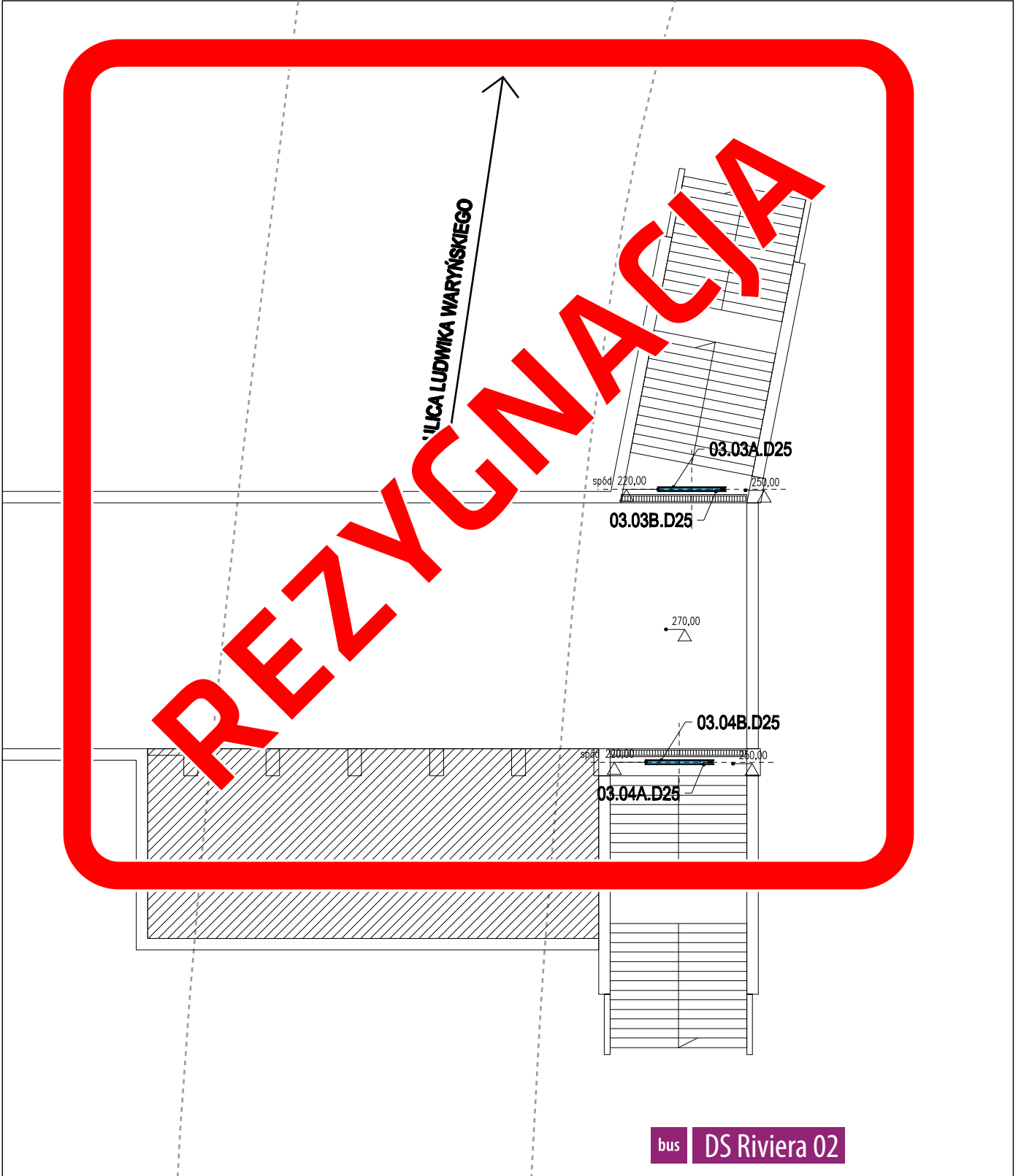
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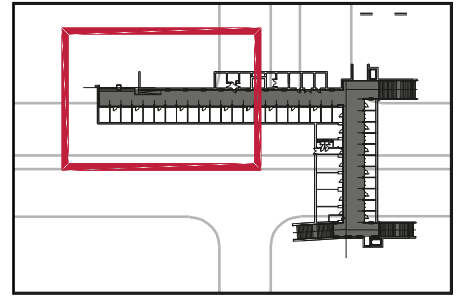




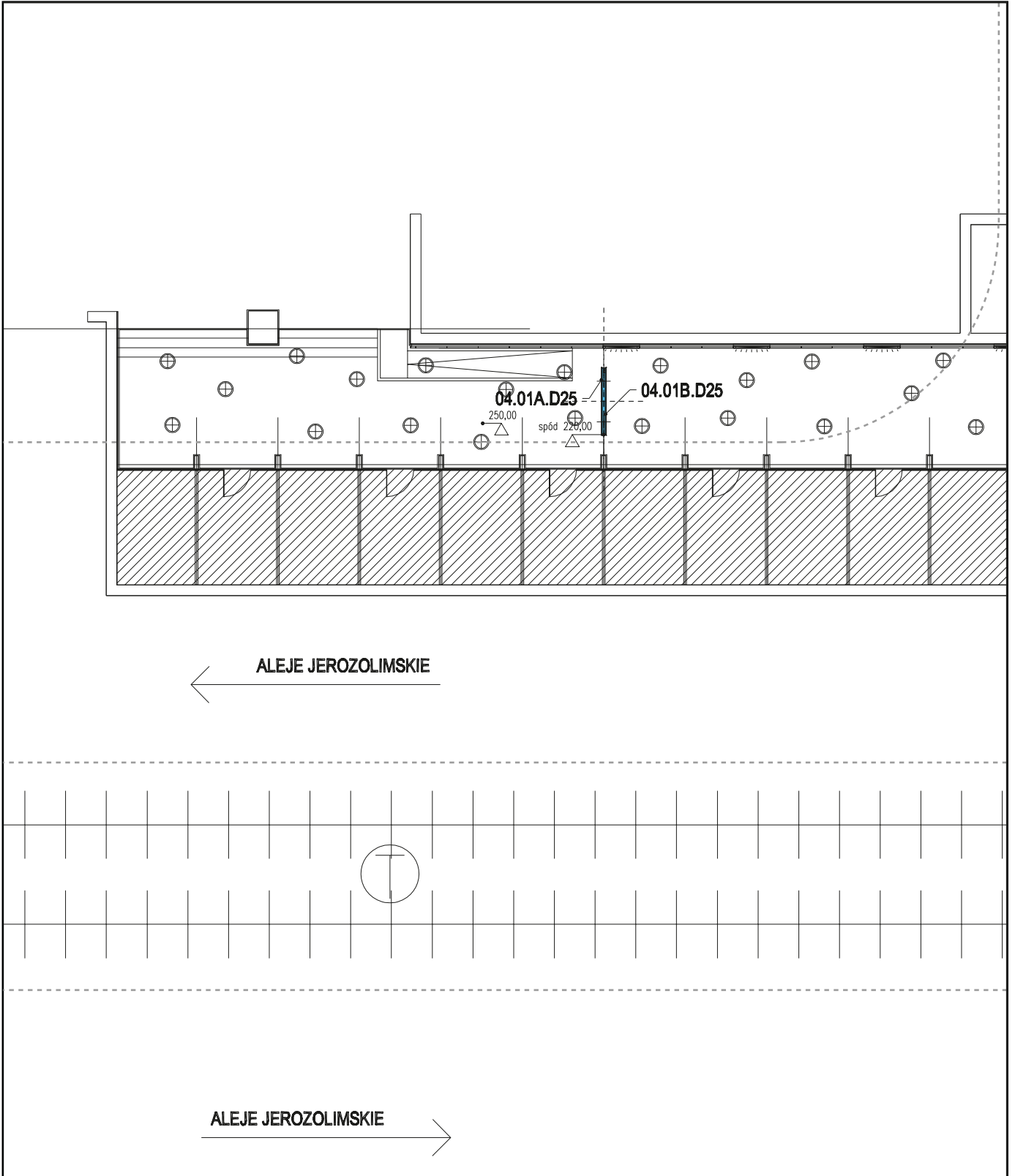


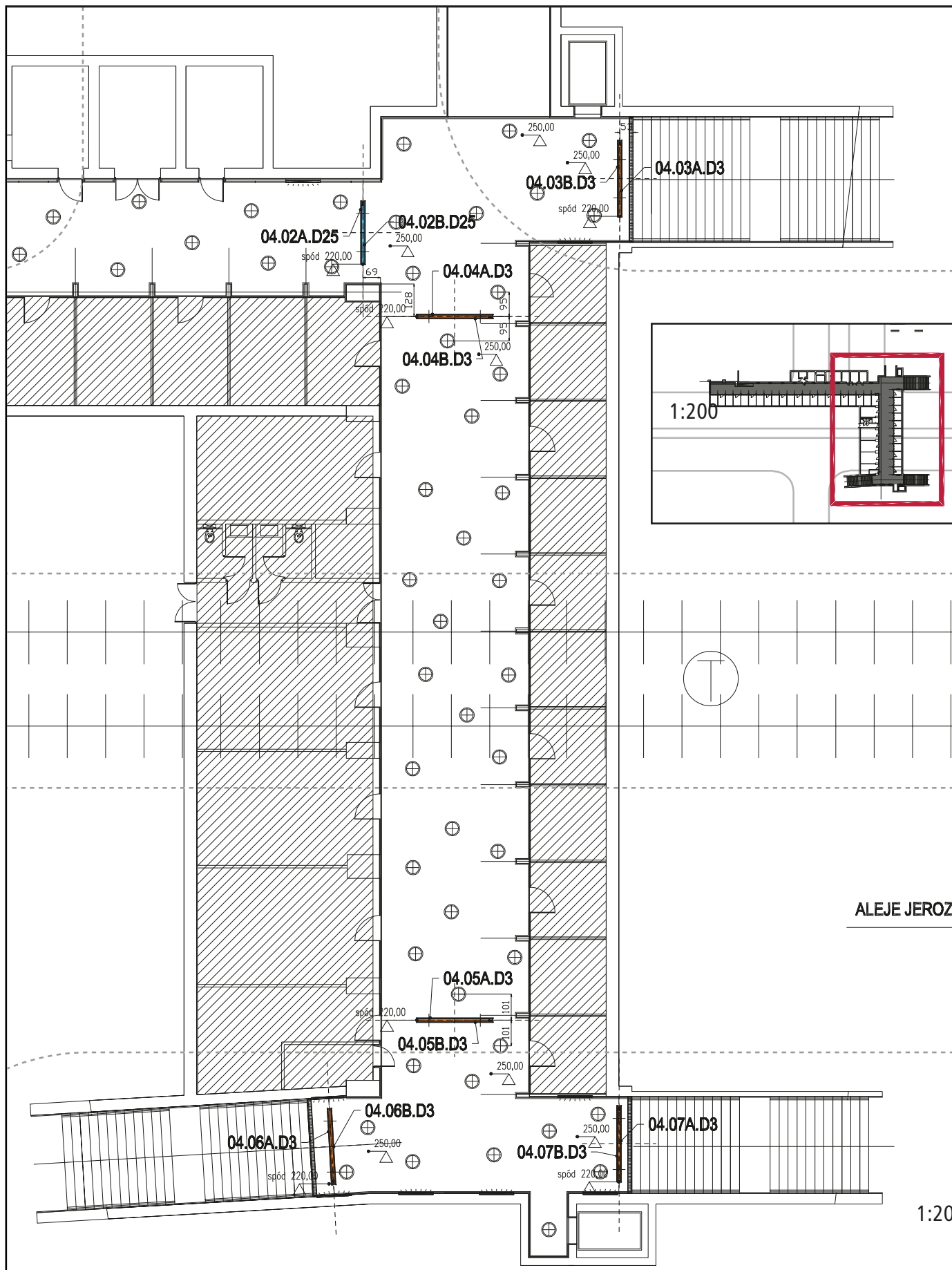


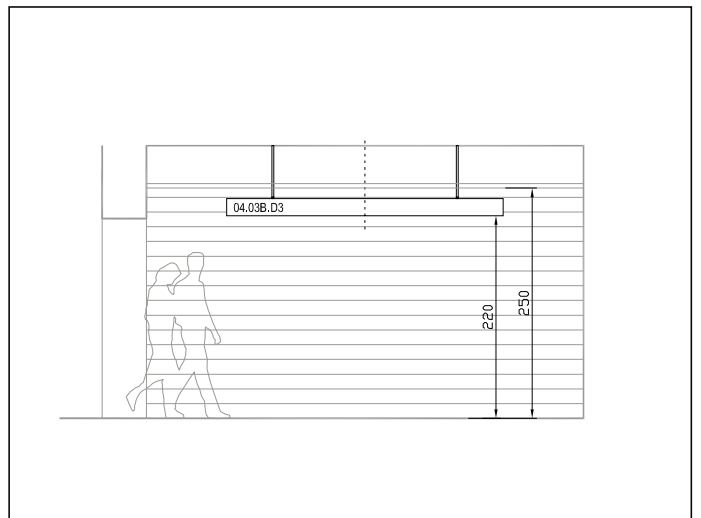
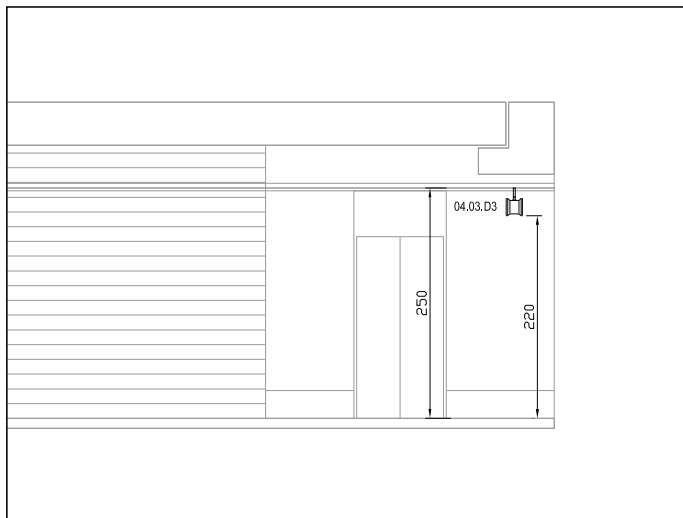
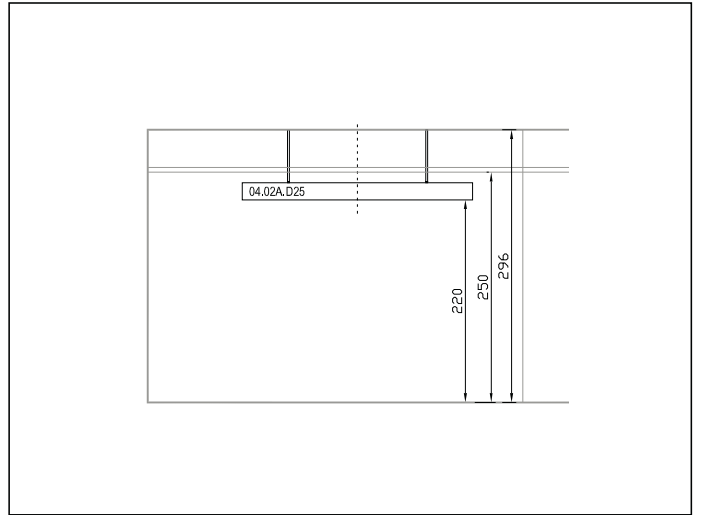
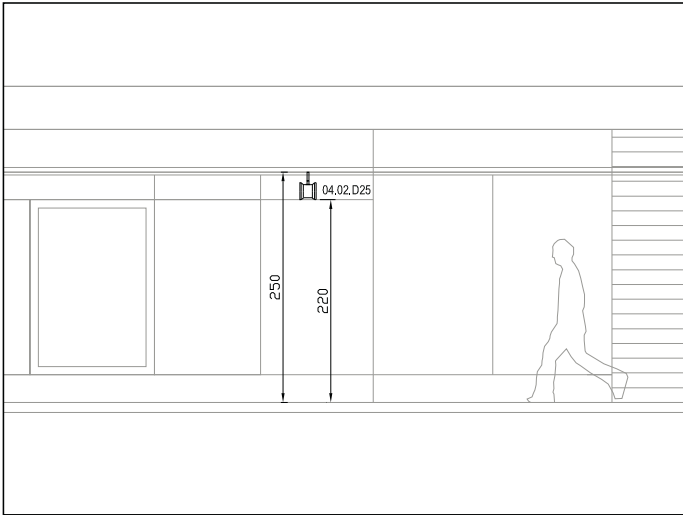
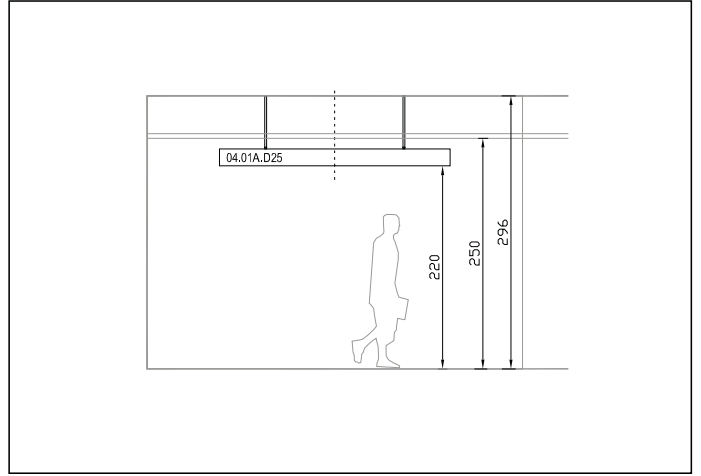
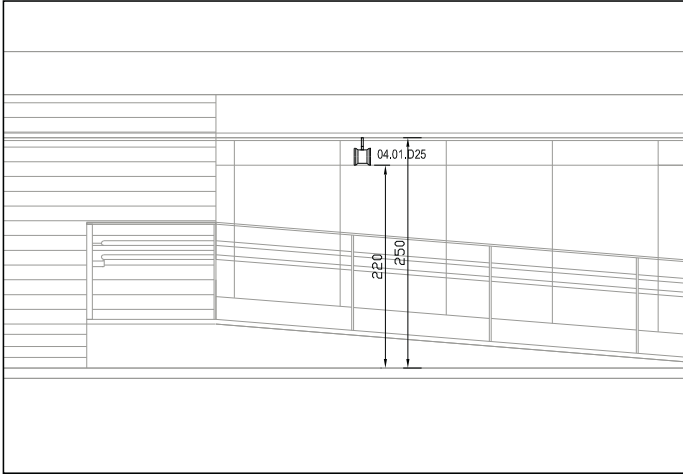
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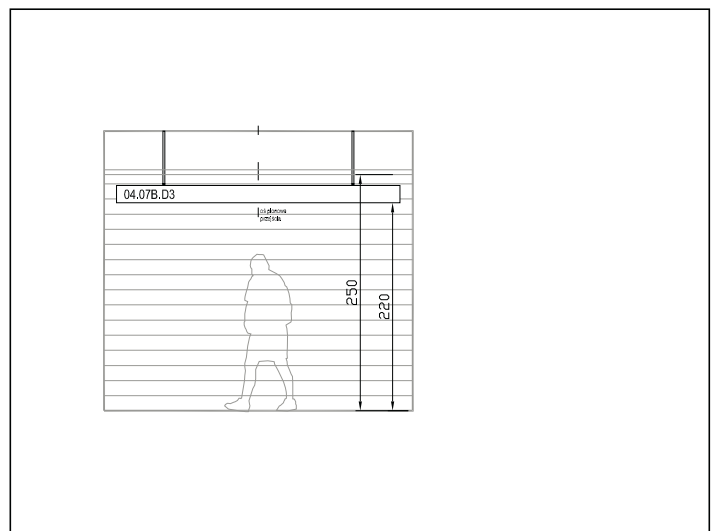
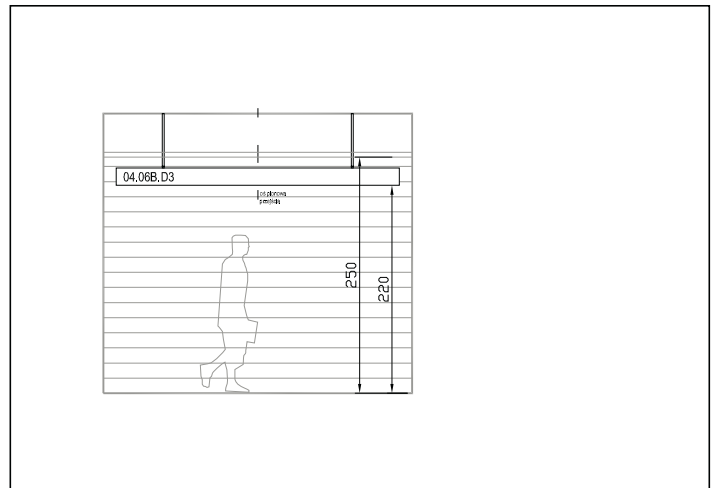
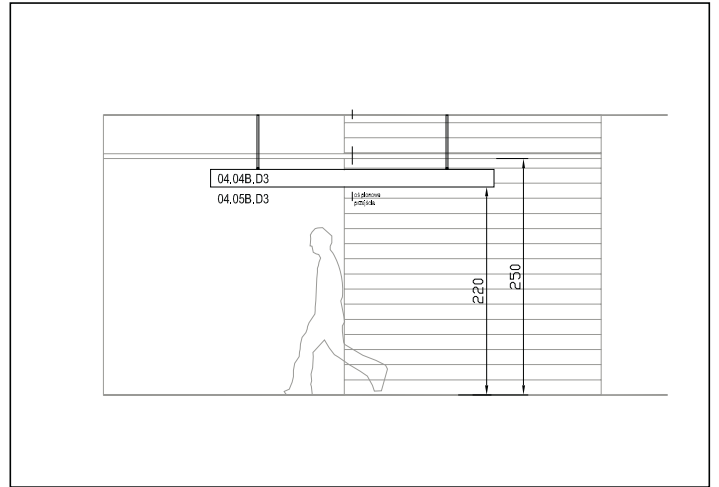


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







































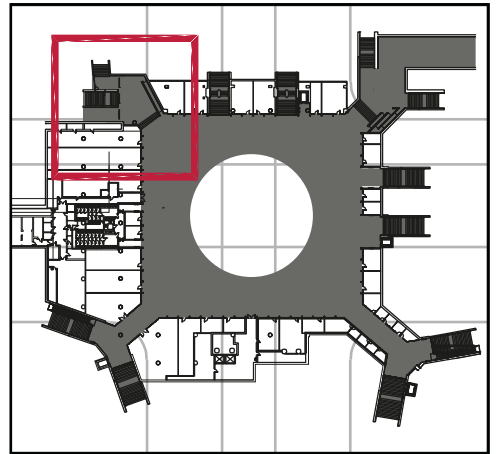




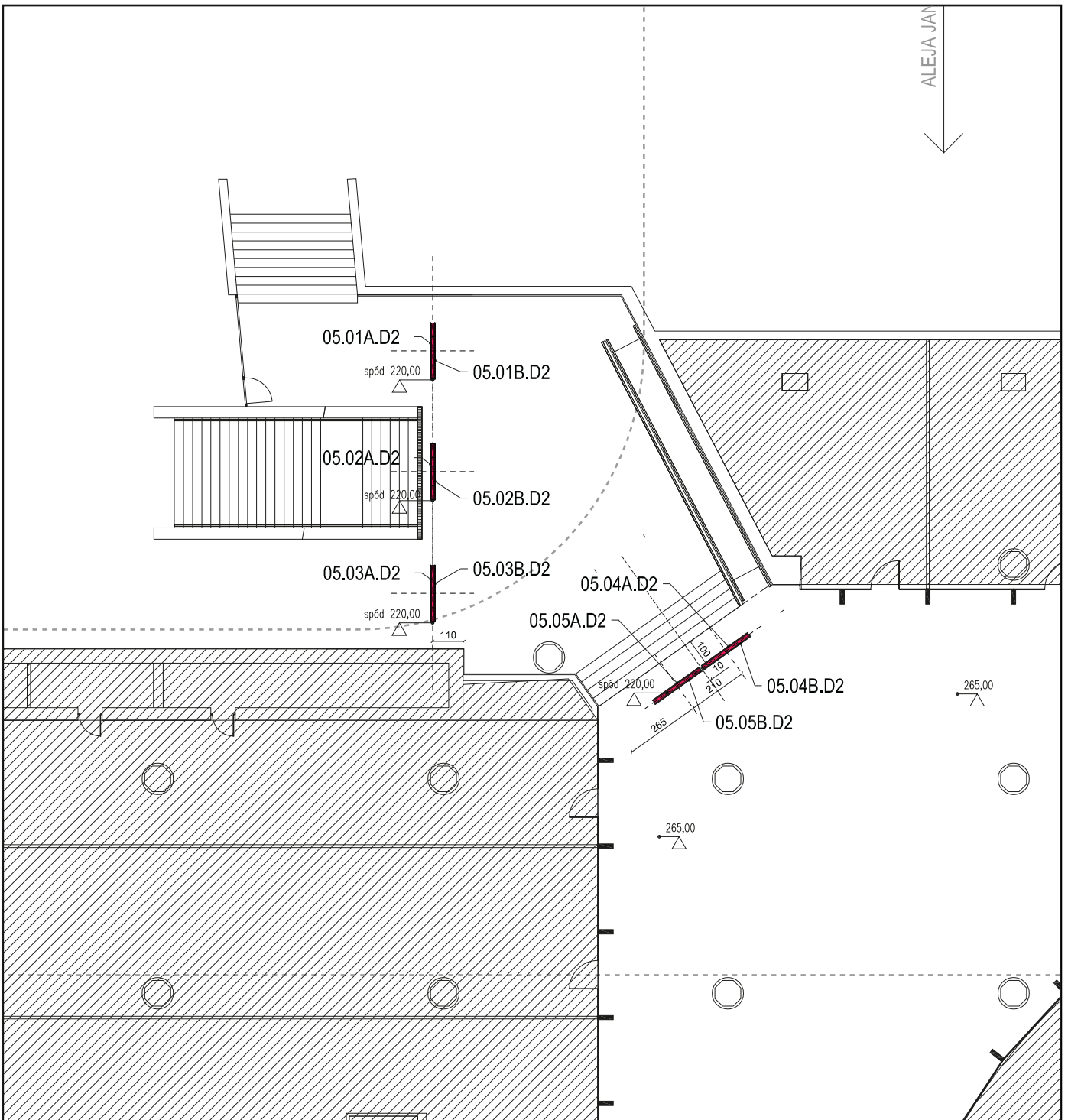
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04.01A.D25	  Warszawa Śródmieście  PKiN  Centrum
04.01B.D25	 <small>kierunek direction</small> Centrum, Ochota  <small>kierunek direction</small> Ochota  Warszawa Centralna 
04.02A.D25	  Warszawa Śródmieście  PKiN  Centrum
04.02B.D25	  <small>kierunek direction</small> Centrum, Ochota  <small>kierunek direction</small> Ochota  Warszawa Centralna
04.03A.D3	  <small>kierunek direction</small> Centrum  <small>kierunek direction</small> Centrum, Ochota  <small>kierunek direction</small> Ochota  Warszawa Centralna 
04.03B.D3	   Warszawa Śródmieście  PKiN  Centrum  
04.04A.D3	  <small>kierunek direction</small> Centrum
04.04B.D3	     Warszawa Śródmieście  PKiN  Centrum 
04.05A.D3	  ul. Marszałkowska    <small>kierunek direction</small> Centrum ul. E. Plater  
04.05B.D3	  Warszawa Centralna  Warszawa Śródmieście  PKiN  Centrum
04.06A.D3	  Warszawa Centralna  Warszawa Śródmieście  PKiN  Centrum
04.06B.D3	  ul. E. Plater  <small>kierunek direction</small> Centrum
04.07A.D3	 Centrum  Warszawa Centralna  Warszawa Śródmieście  PKiN 
04.07B.D3	  ul. Marszałkowska

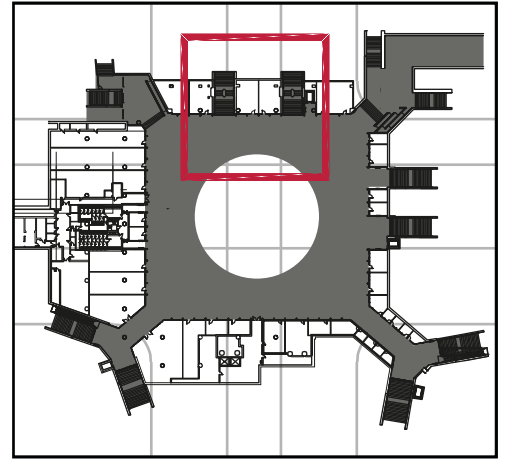
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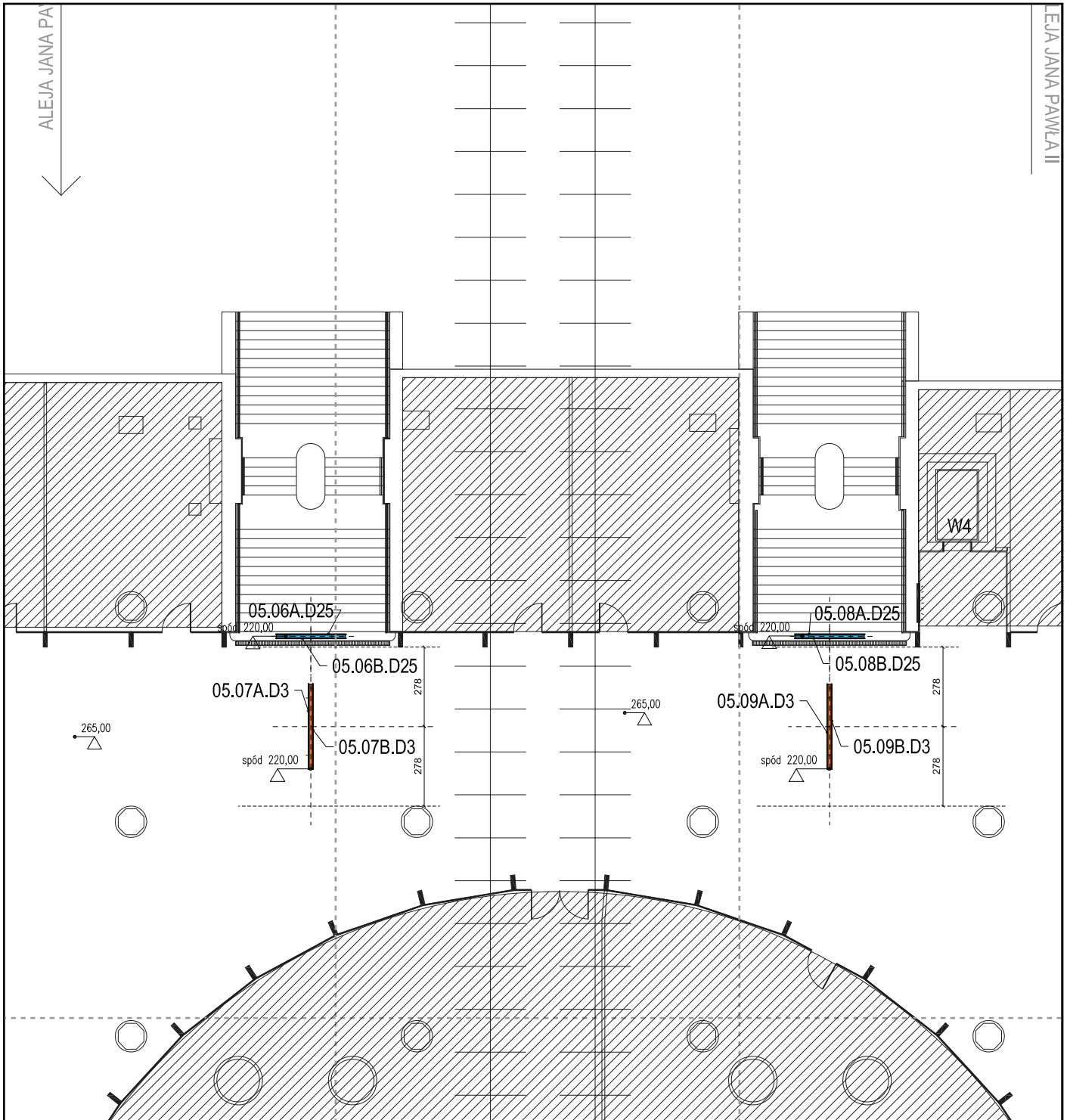
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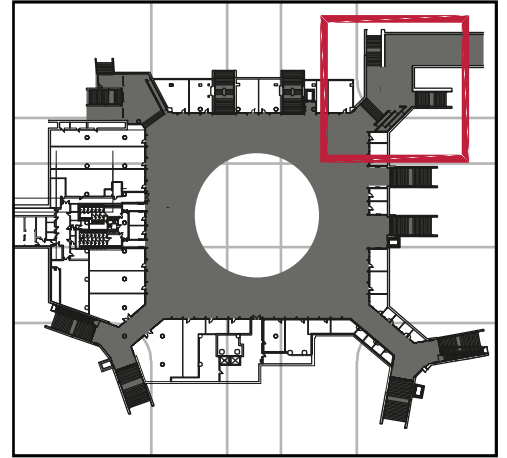
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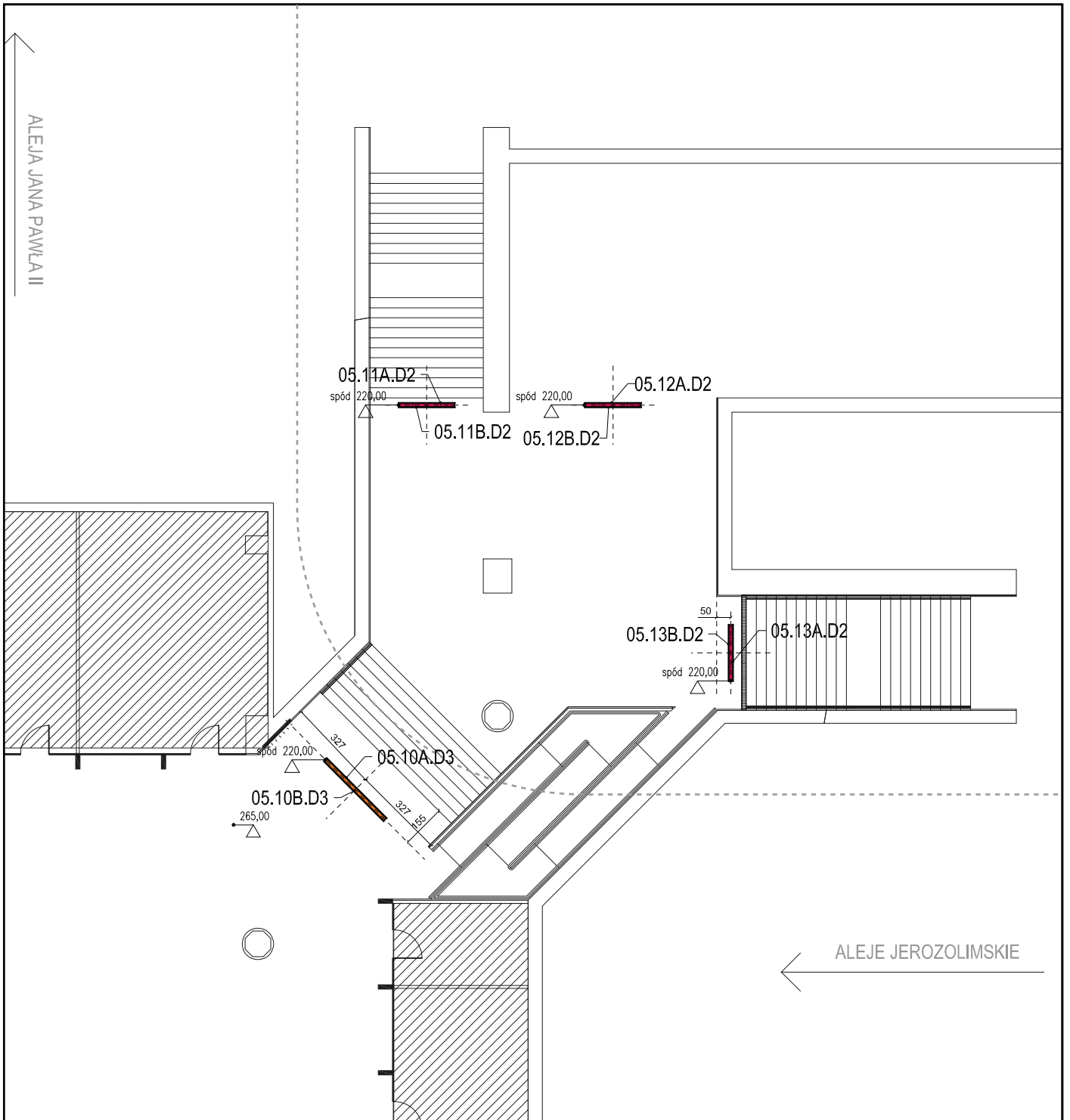
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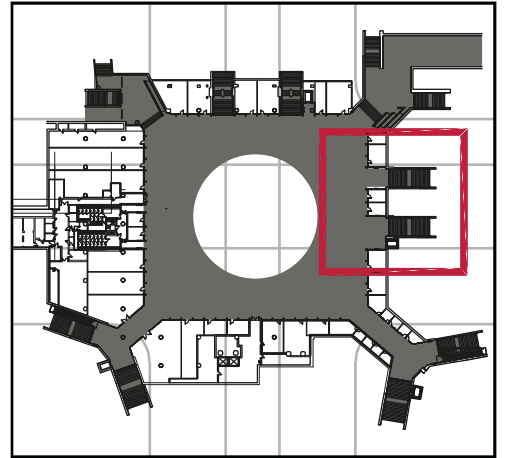


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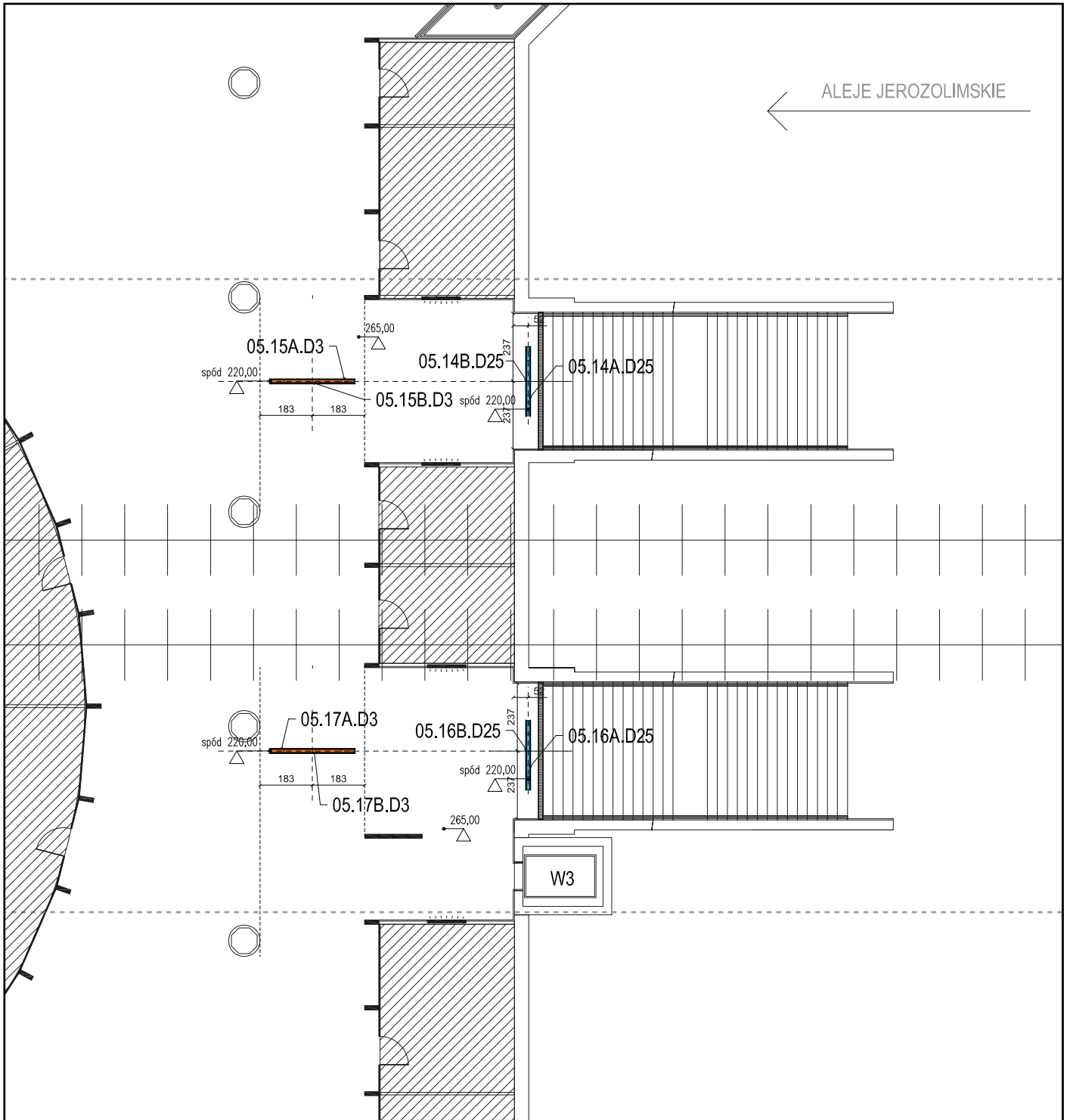




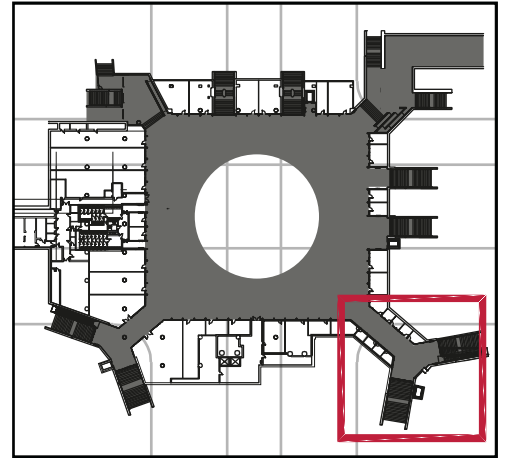
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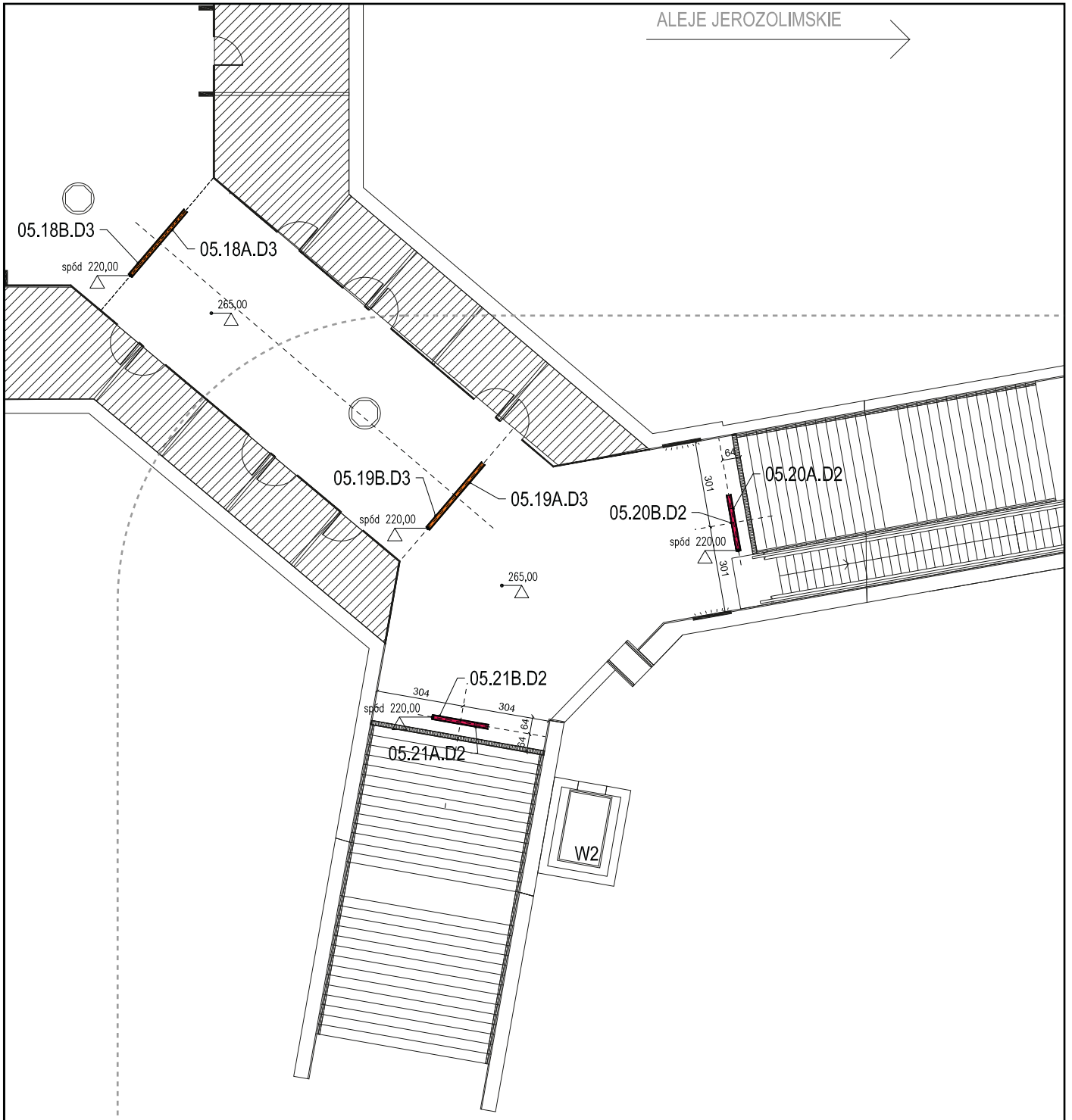
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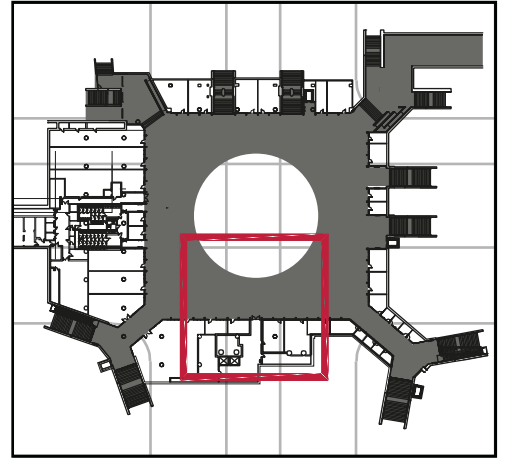
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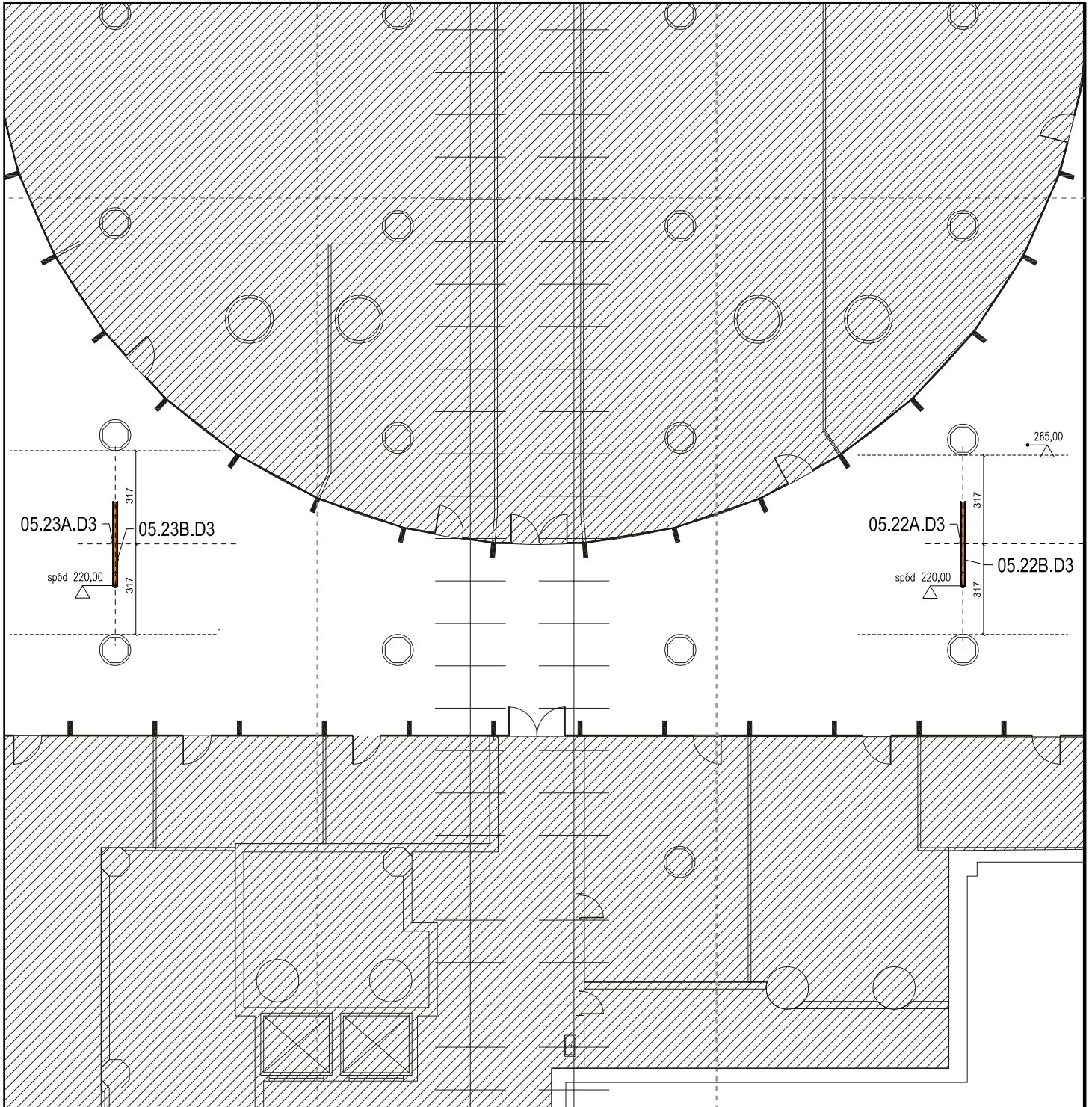
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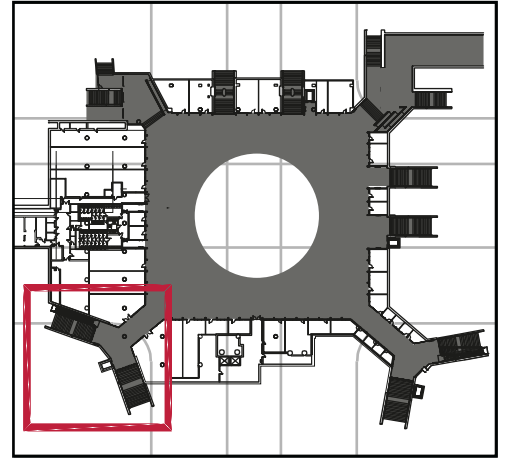
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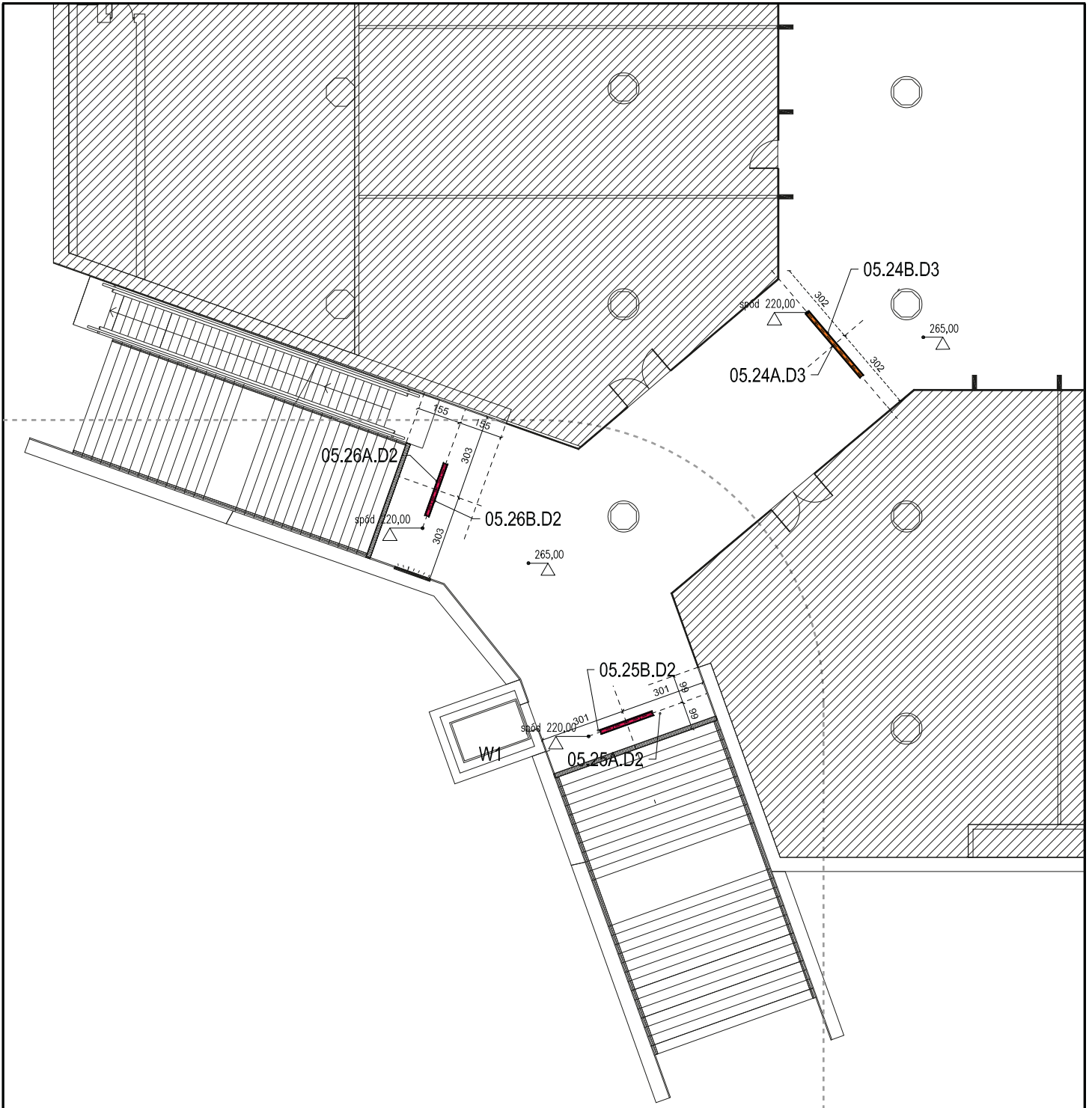
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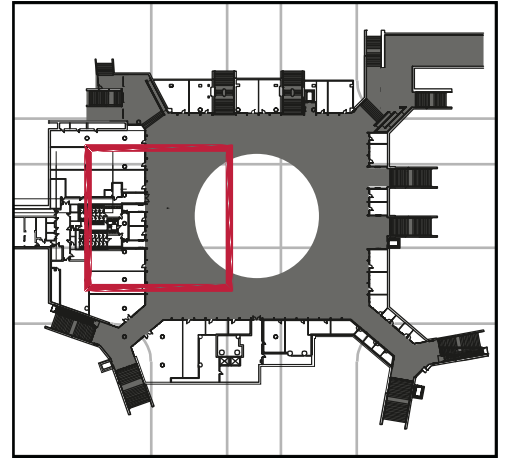
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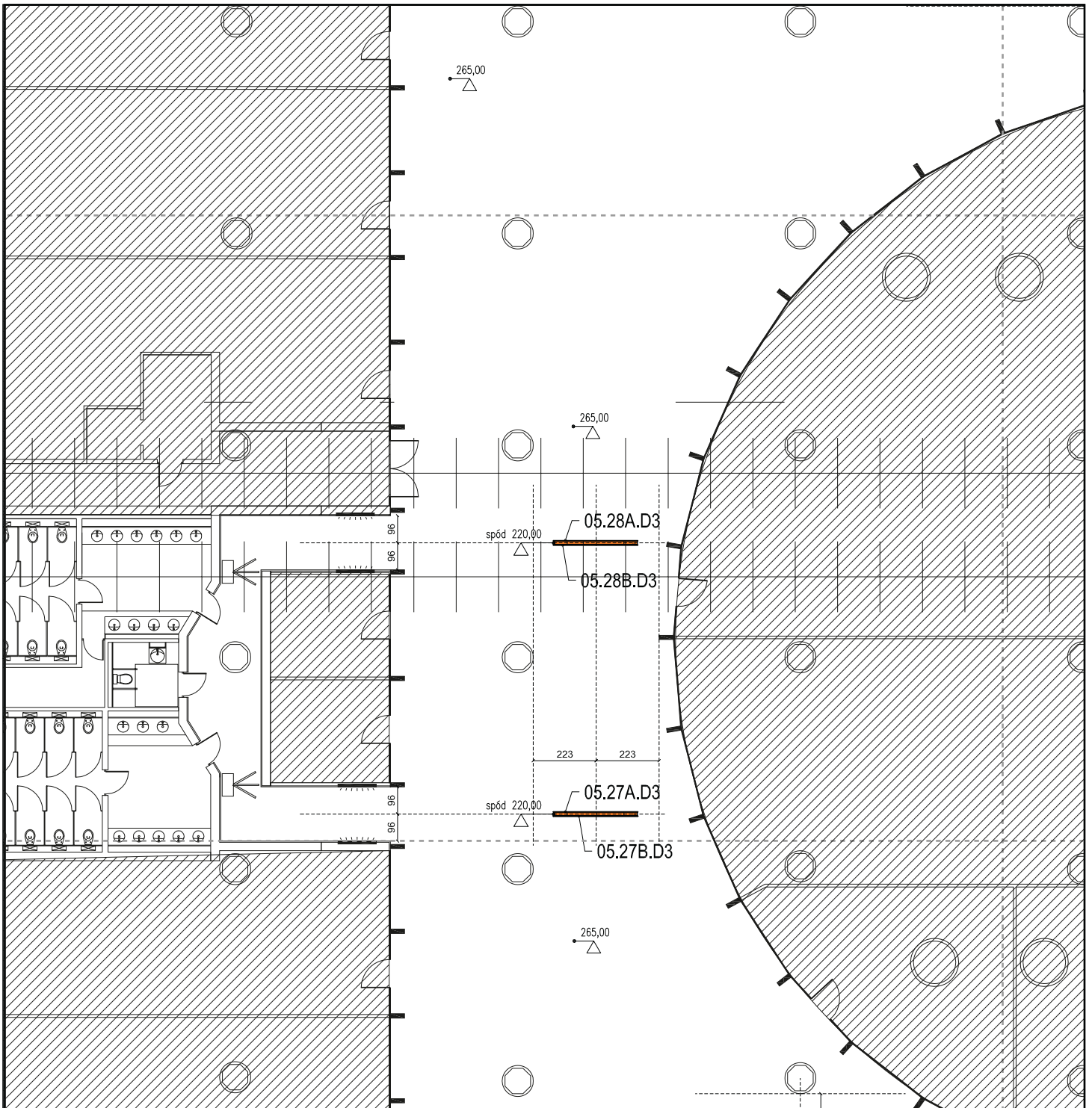
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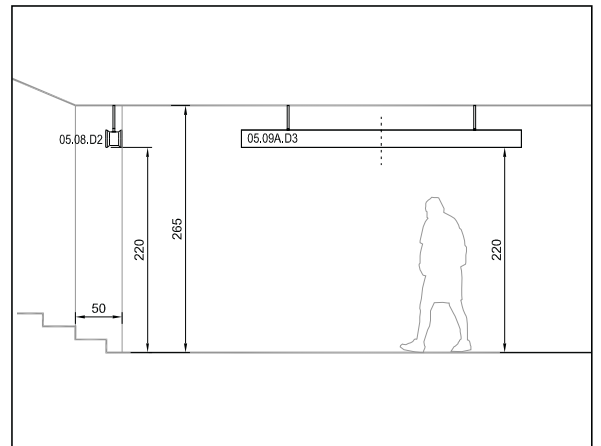
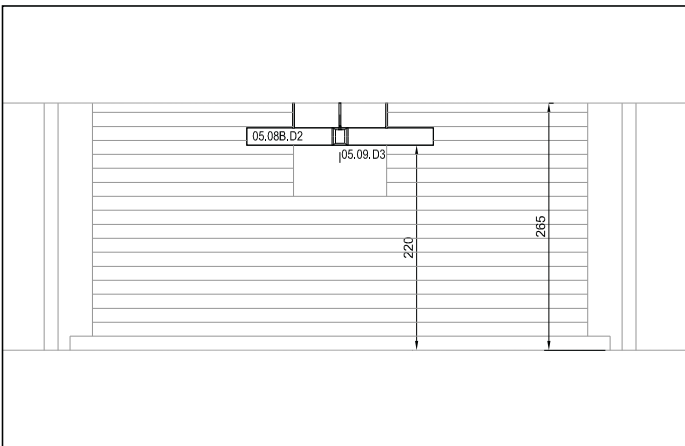
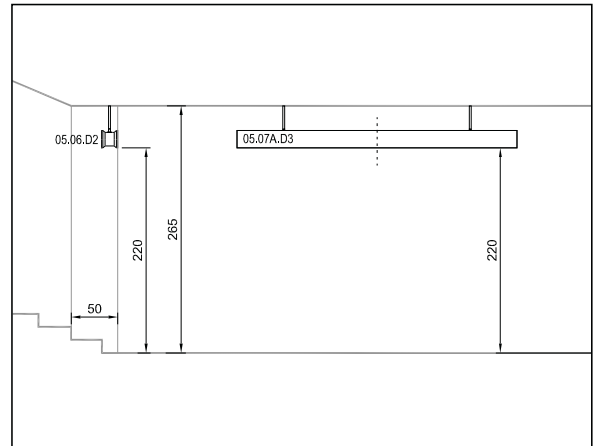
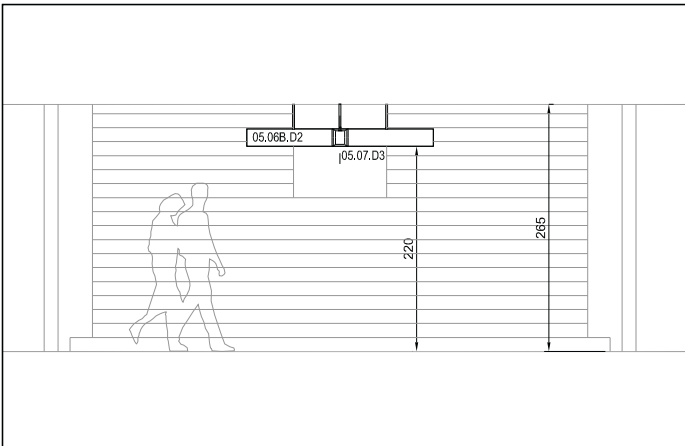
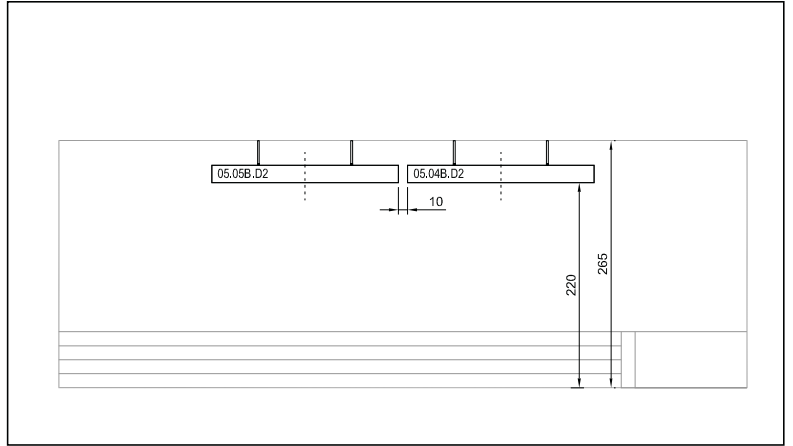
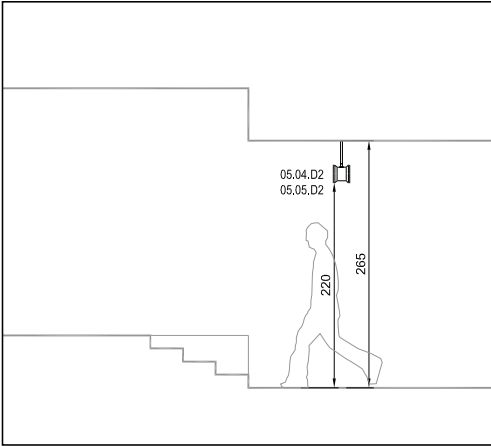
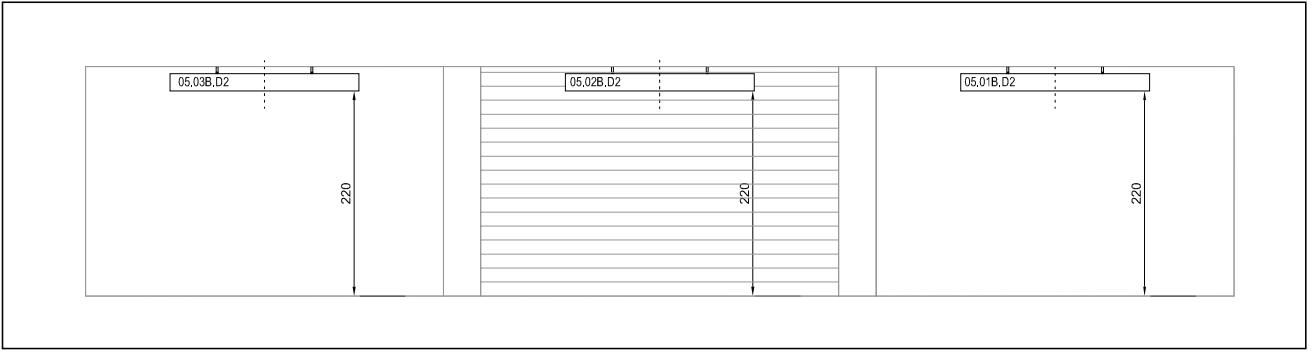


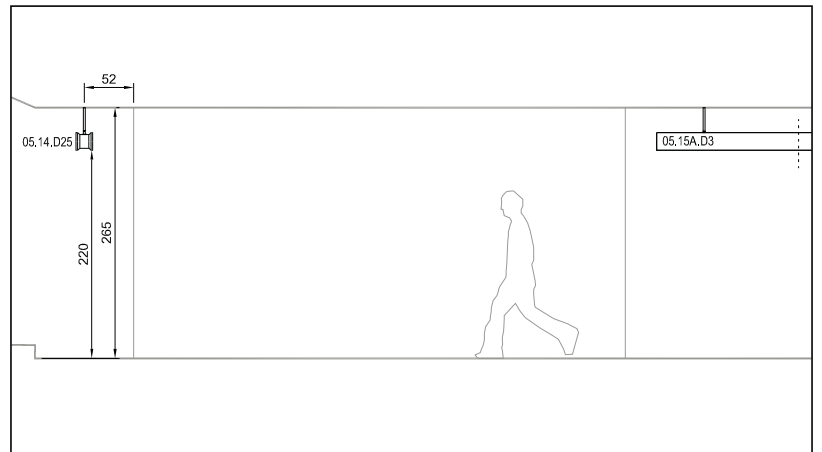
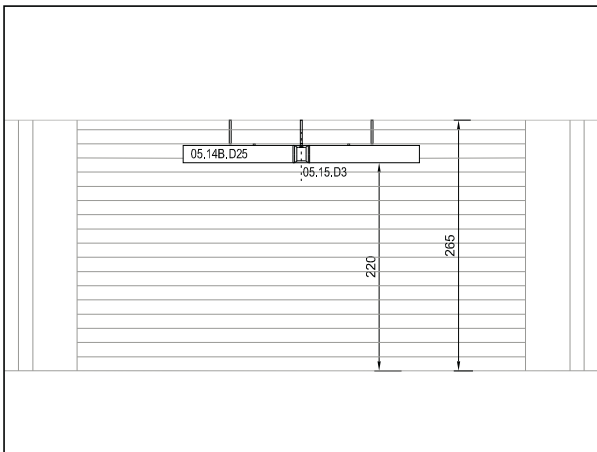
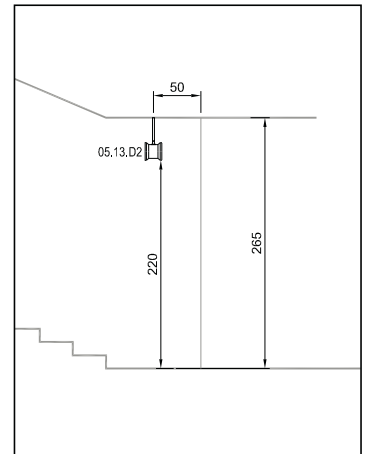
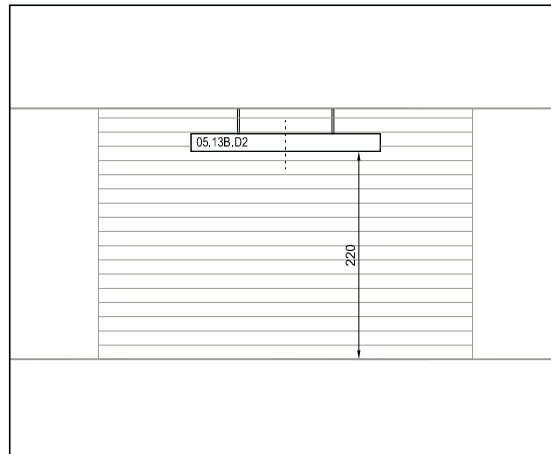
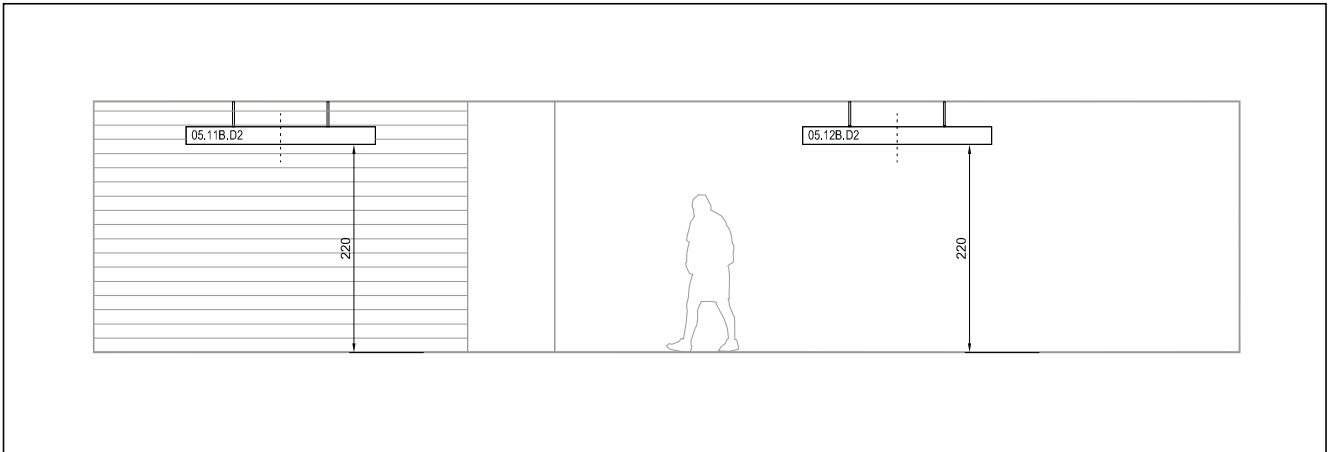
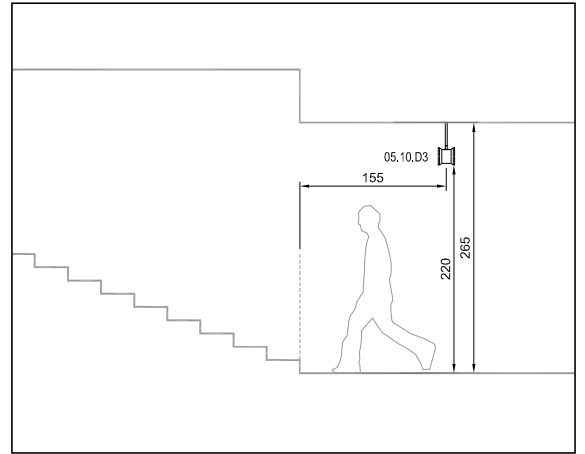
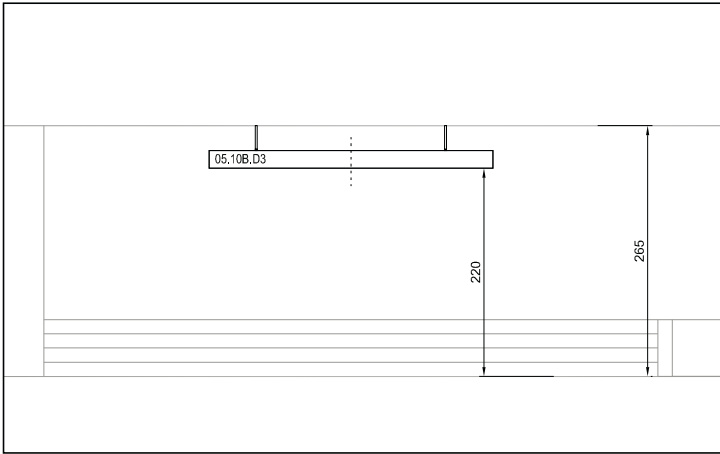
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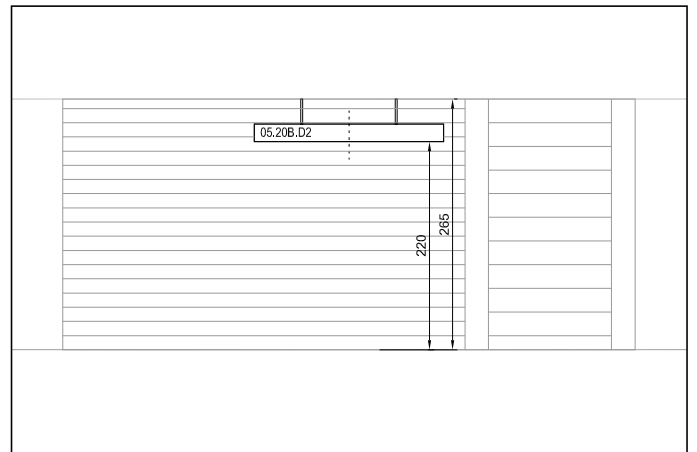
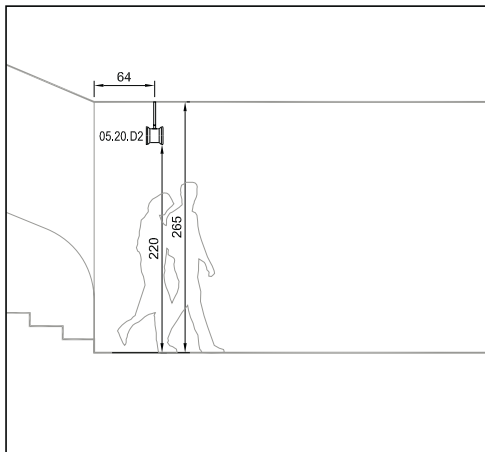
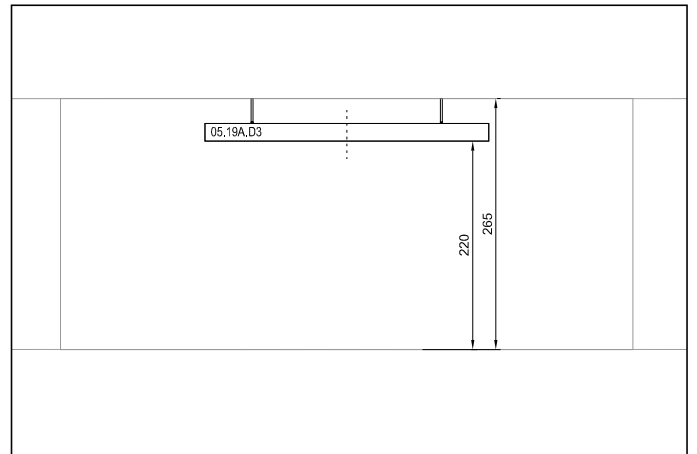
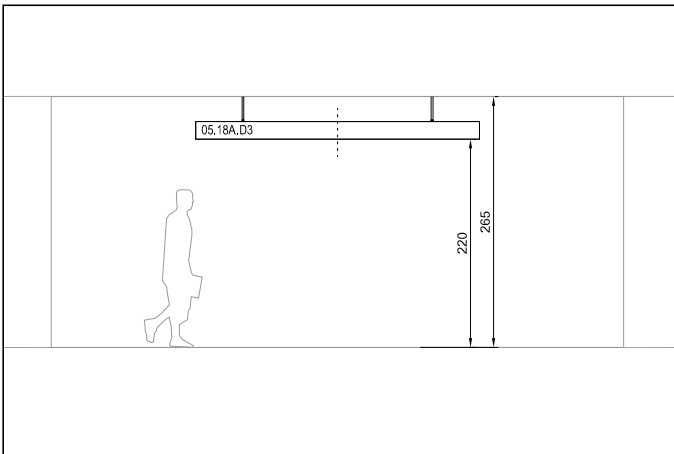
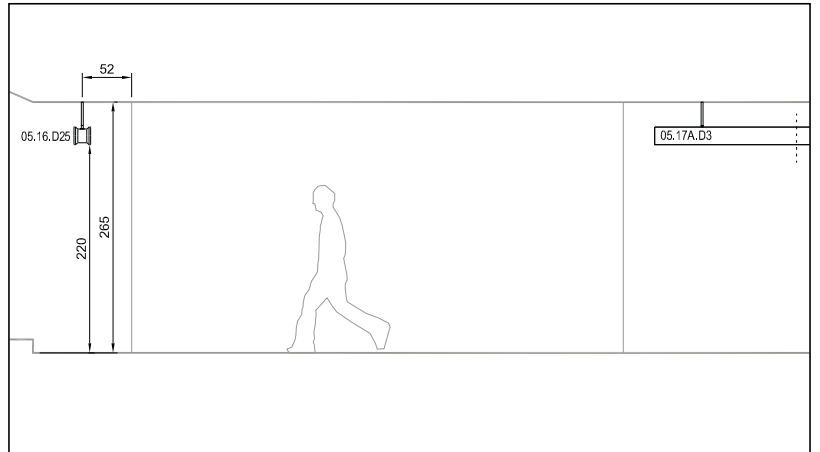
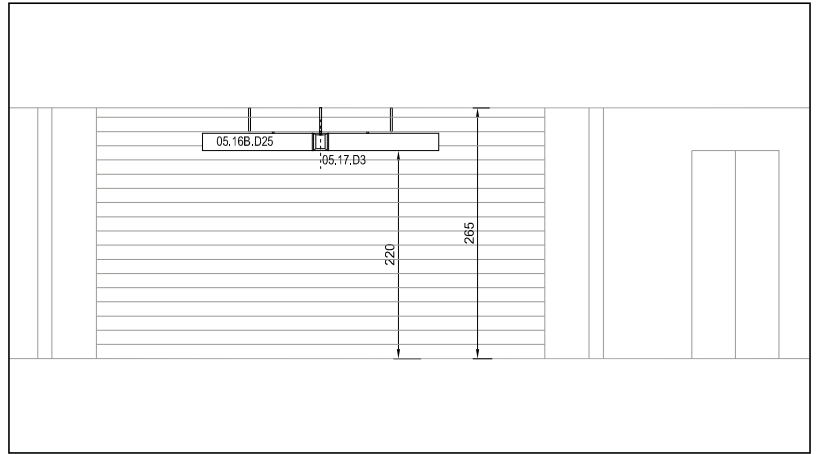


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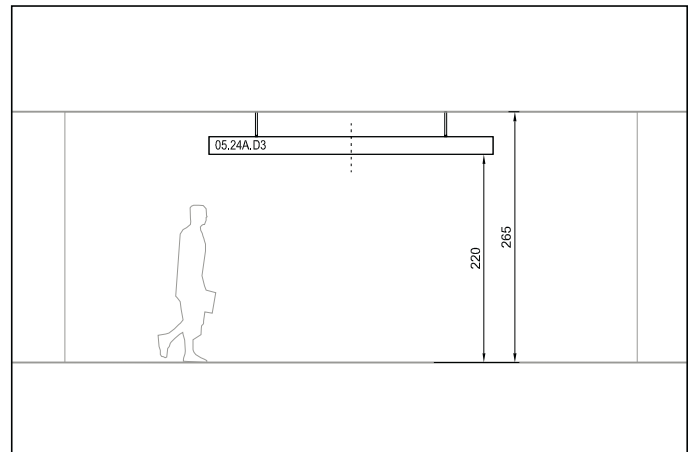
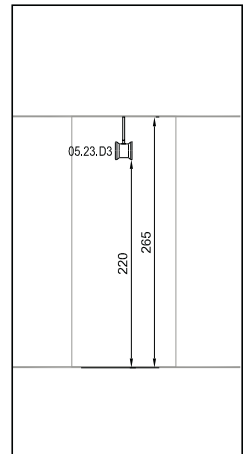
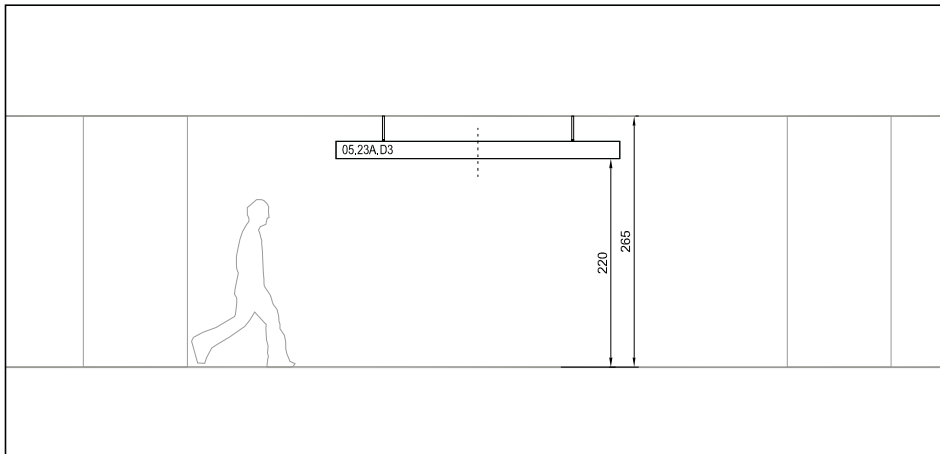
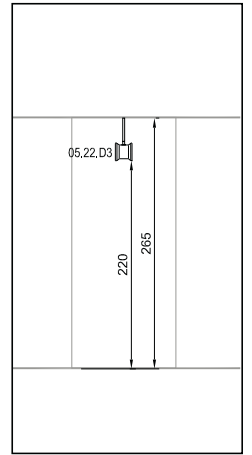
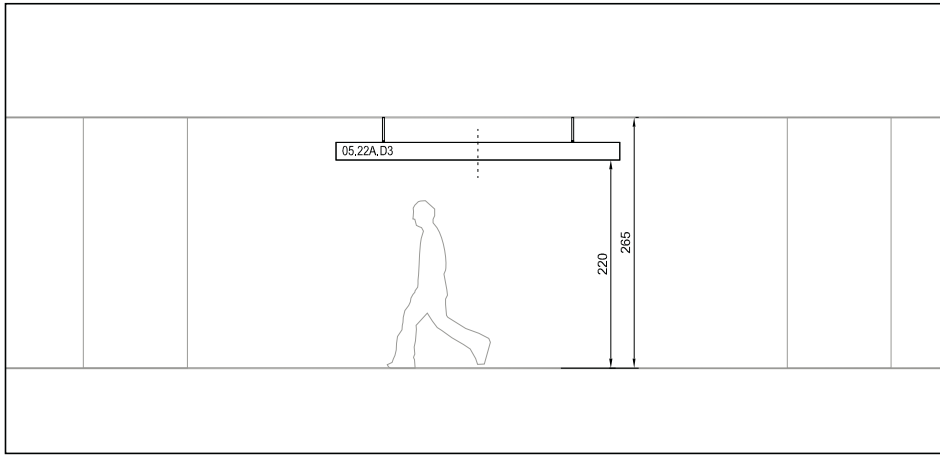
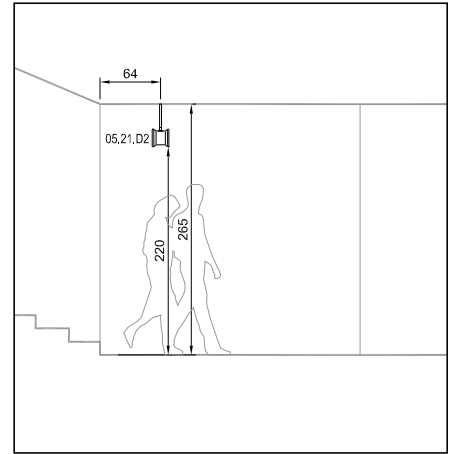
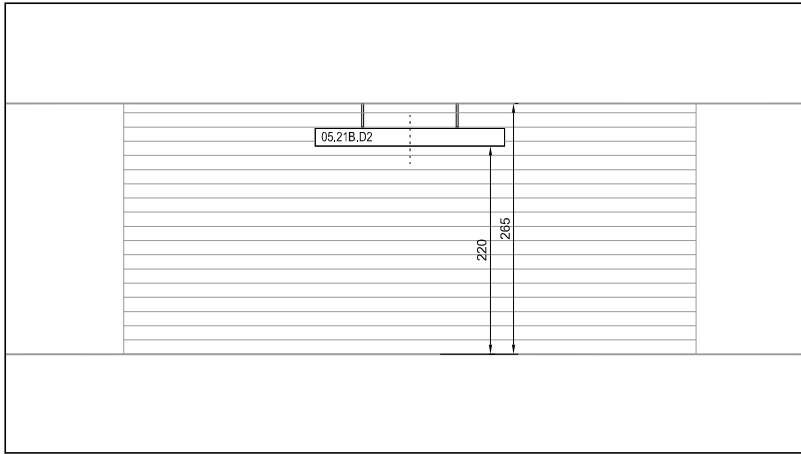


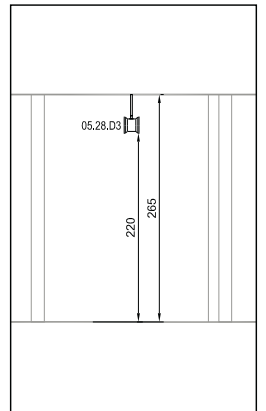
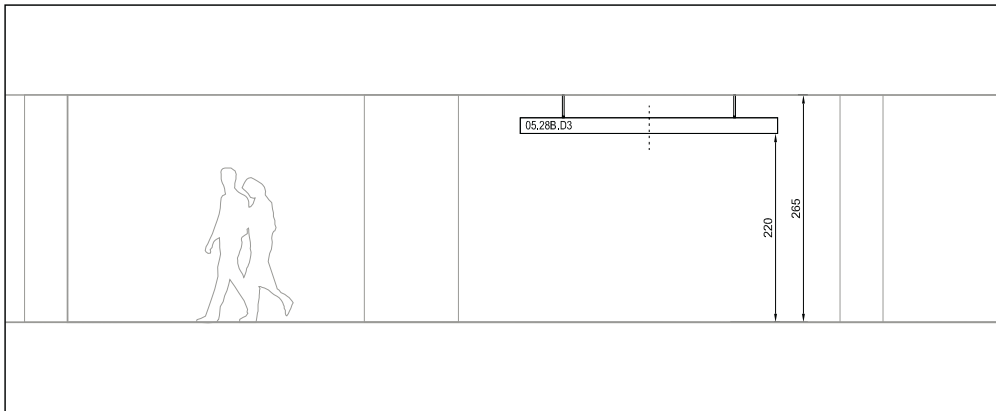
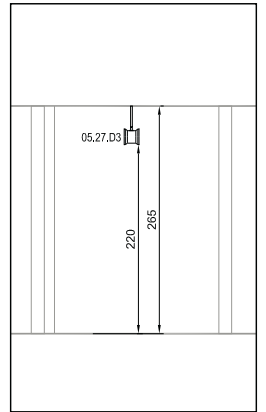
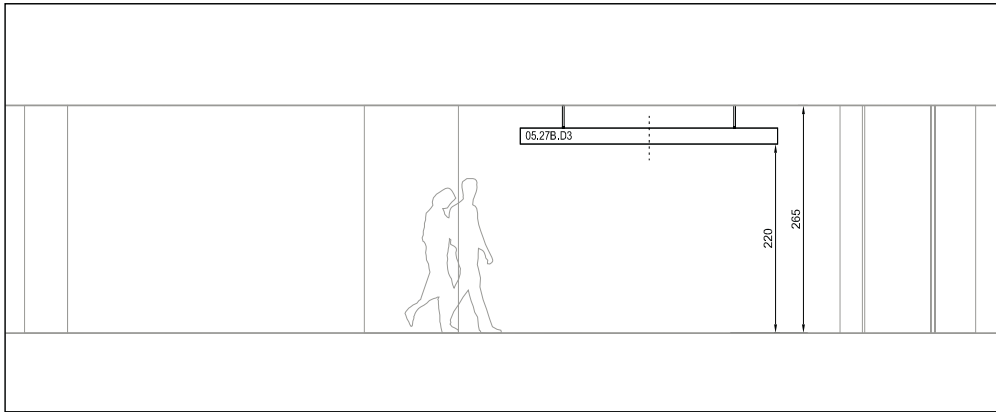
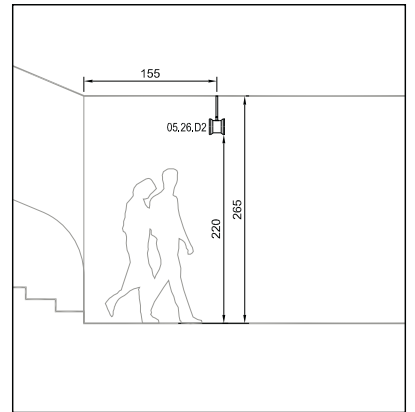
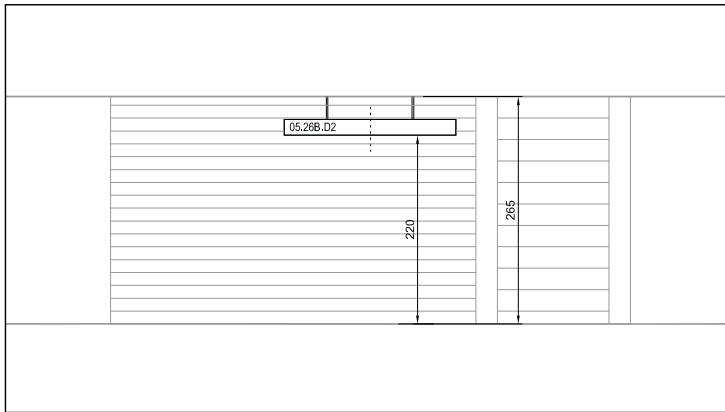
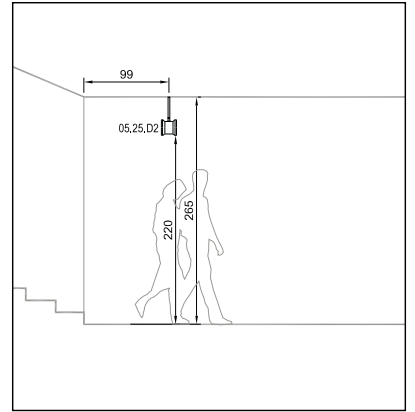
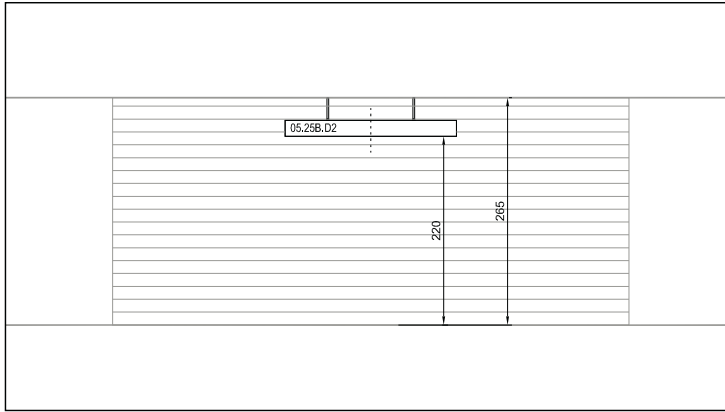











































































































































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05.01A.D2	    
05.01B.D2	 al. Jana Pawła II 
05.02A.D2	    
05.02B.D2	 Al.Jerozolimskie
05.03A.D2	    
05.03B.D2	  Warszawa Śródmieście WKD
05.04A.D2	  <small>kierunek direction</small> Mokotów, Żoliborz, Ochota, Praga-Pd.  <small>kierunek direction</small> Ochota
05.04B.D2	 Al.Jerozolimskie    al. Jana Pawła II 
05.05A.D2	  <small>kierunek direction</small> Mokotów, Praga-Pd. 
05.05B.D2	  Warszawa Śródmieście WKD
05.06A.D25	  W-wa Centralna   <small>kierunek direction</small> Ochota, Praga-Pd.    WKD 
05.06B.D25	 <small>kierunek direction</small> Mokotów

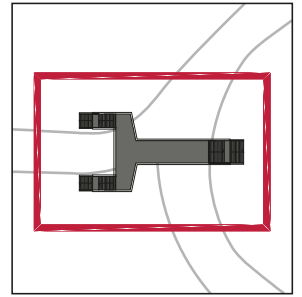
05.07A.D3	← tram kierunek direction Mokotów	tram kierunek direction Żoliborz, Ochota, Praga-Pd. bus kierunek direction Ochota, Praga-Pd.  ↑
05.07B.D3	← bus kierunek direction Mokotów 	↑  Warszawa Śródmieście WKD tram kierunek direction Mokotów →
05.08A.D25	←  W-wa Centralna tram bus kierunek direction Ochota, Praga-Pd.	 WKD →
05.08B.D25	tram kierunek direction Żoliborz	
05.09A.D3	← tram kierunek direction Żoliborz	↑ bus kierunek direction Ochota  tram kierunek direction Ochota, Praga-Pd. bus kierunek direction Praga-Pd. →
05.09B.D3	↑ tram bus kierunek direction Mokotów  Warszawa Śródmieście WKD 	tram kierunek direction Żoliborz →
05.10A.D3	← tram kierunek direction Ochota, Praga-Pd. bus kierunek direction Praga-Pd., Mokotów	 tram kierunek direction Żoliborz, Mokotów  WKD →
05.10B.D3	← al. Jana Pawła II	↑  Warszawa Centralna Al. Jerozolimskie →
05.11A.D2	tram bus  W-wa Śródmieście WKD   →	
05.11B.D2	↑ al. Jana Pawła II	
05.12A.D2	↑ tram bus  W-wa Śródmieście WKD  	
05.12B.D2		 Warszawa Centralna →

05.13A.D2	    W-wa Śródmieście WKD   
05.13B.D2	 Al.Jerozolimskie  kierunek direction Ochota
05.14A.D25	   kierunek direction Żoliborz, Mokotów  WKD    W-wa Centralna 
05.14B.D25	 kierunek direction Ochota
05.15A.D3	  kierunek direction Ochota    kierunek direction Praga-Pd.  kierunek direction Praga-Pd., Mokotów 
05.15B.D3	  kierunek direction Żoliborz, Mokotów  WKD       kierunek direction Ochota     kierunek direction Ochota 
05.16A.D25	  kierunek direction Żoliborz, Mokotów  Warszawa Centralna  WKD 
05.16B.D25	 kierunek direction Praga-Pd.
05.17A.D3	  kierunek direction Praga-Pd.     kierunek direction Praga-Pd.     kierunek direction Mokotów 
05.17B.D3	  kierunek direction Żoliborz, Mokotów, Ochota  kierunek direction Ochota  WKD    kierunek direction Praga-Pd. 
05.18A.D3	  kierunek direction Mokotów  WKD      kierunek direction Ochota   Warszawa Centralna 
05.18B.D3	  kierunek direction Praga-Pd.

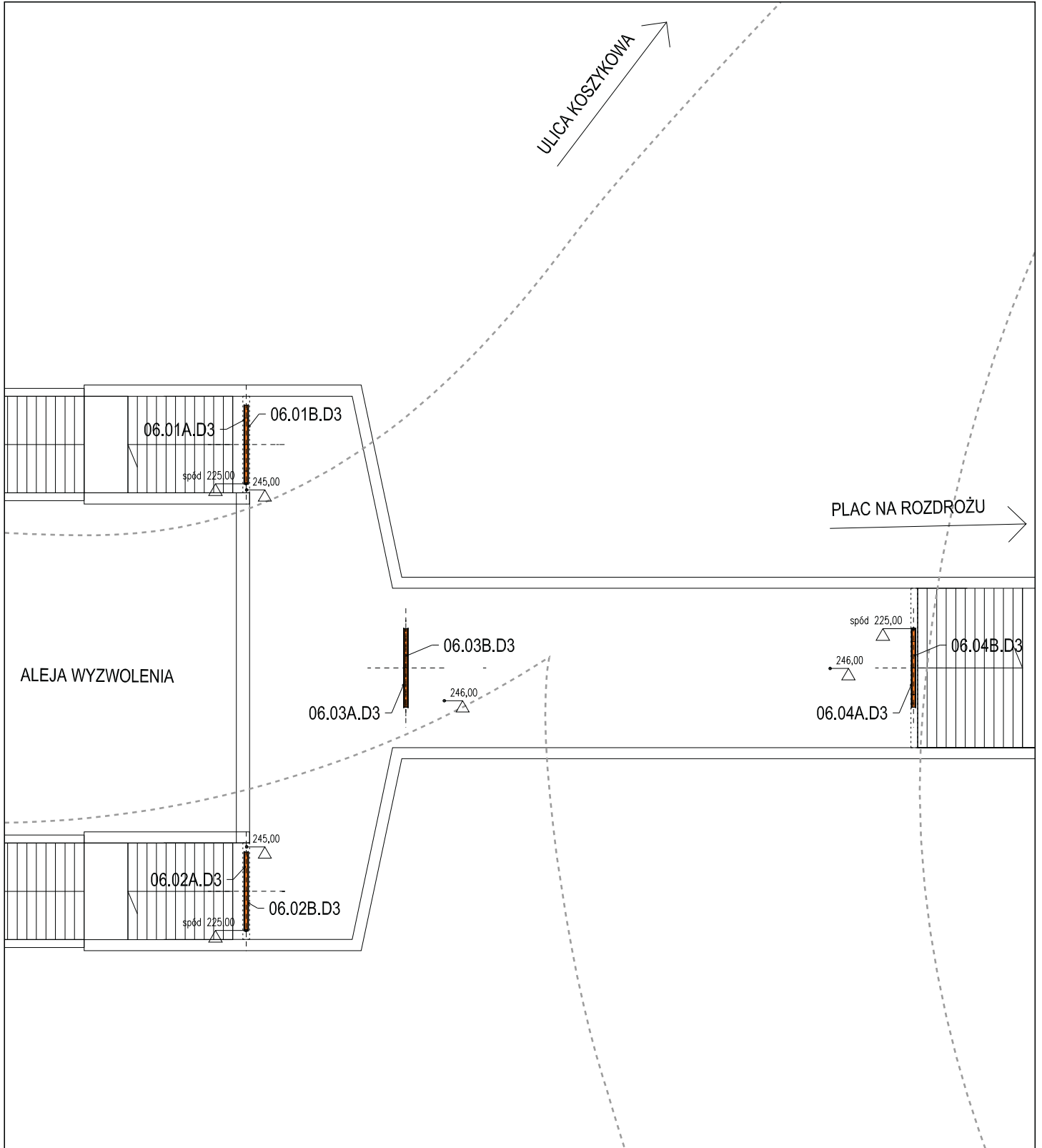
05.19A.D3	← bus kierunek direction Mokotów WKD ♿	bus kierunek direction Ochota tram Warszawa Centralna →
05.19B.D3	← Al. Jerozolimskie bus kierunek direction Praga-Pd.	↑ ul. T. Chałubińskiego →
05.20A.D2	tram bus Warszawa ŚródmieścieWKD ♿	→
05.20B.D2	↑ Al. Jerozolimskie bus kierunek direction Praga-Pd.	
05.21A.D2	← tram bus Warszawa ŚródmieścieWKD ♿	
05.21B.D2	↑ ul. T. Chałubińskiego	
05.22A.D3	← bus kierunek direction Ochota tram Warszawa Centralna	bus kierunek direction Praga-Pd. →
05.22B.D3	↑ bus kierunek direction Mokotów Warszawa ródmieścieWKD ♿	
05.23A.D3	↑ tram kierunek direction Praga-Pd., Ochota bus kierunek direction Praga-Pd., Ochota Warszawa Centralna	
05.23B.D3	← bus kierunek direction Mokotów ♿ tram kierunek direction Żoliborz, Mokotów Warszawa Śródmieście WKD →	
05.24A.D3	← WKD tram kierunek direction Mokotów, Żoliborz ♿	bus kierunek direction Ochota, Praga-Pd. tram →
05.24B.D3	↑ ul. T. Chałubińskiego bus kierunek direction Mokotów ♿	Al. Jerozolimskie → ↑

05.25A.D2	   W-wa Śródmieście WKD   		
05.25B.D2	  ul. T. Chałubińskiego  kierunek direction Mokotów		
05.26A.D2	    W-wa Śródmieście WKD  		
05.26B.D2	  Al. Jerozolimskie		
05.27A.D3	  kierunek direction Ochota, Praga-Pd.	 kierunek direction Praga-Pd.	  kierunek direction Mokotów  
05.27B.D3	 	 Warszawa Śródmieście WKD	 kierunek direction Mokotów, Żoliborz  kierunek direction Ochota 
05.28A.D3	  kierunek direction Ochota, Praga-Pd.	 kierunek direction Mokotów, Praga-Pd.	 
05.28B.D3	 	 Warszawa Śródmieście WKD	 kierunek direction Mokotów, Żoliborz  kierunek direction Ochota 

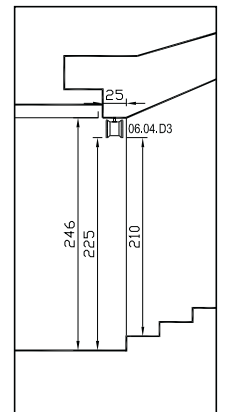
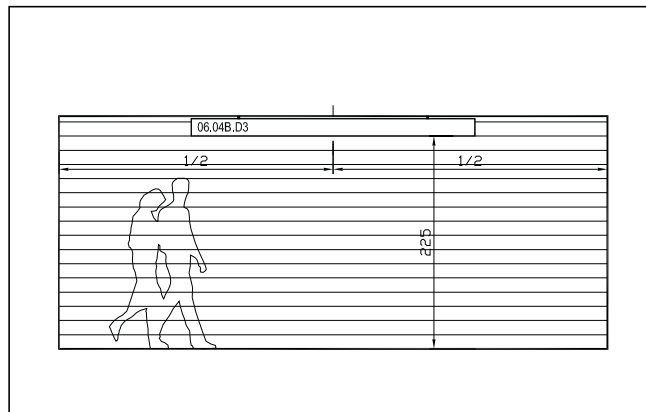
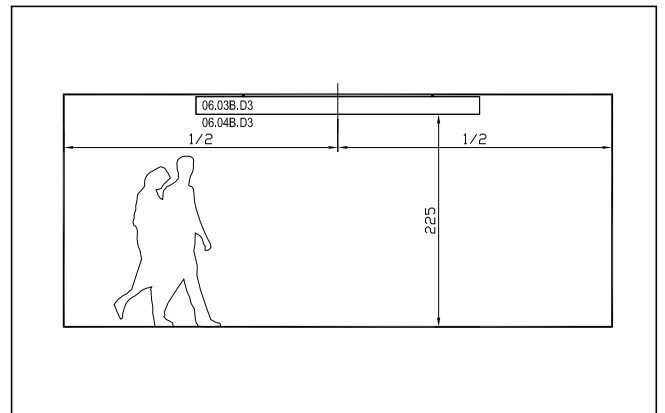
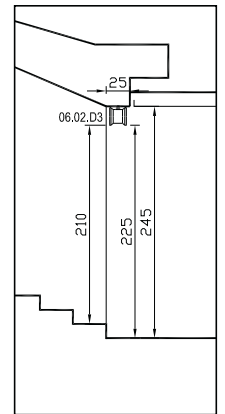
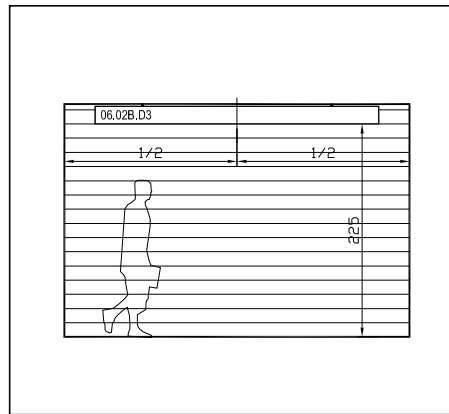
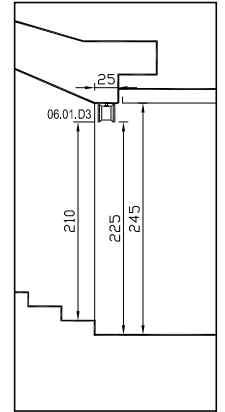
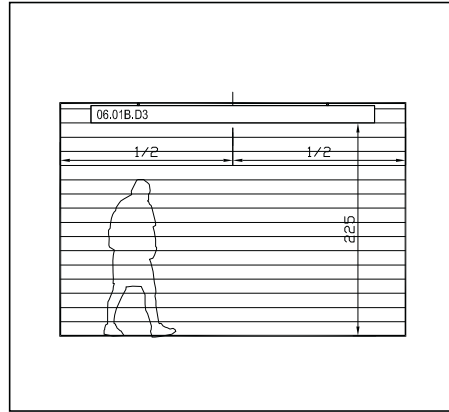
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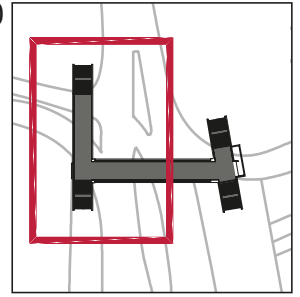




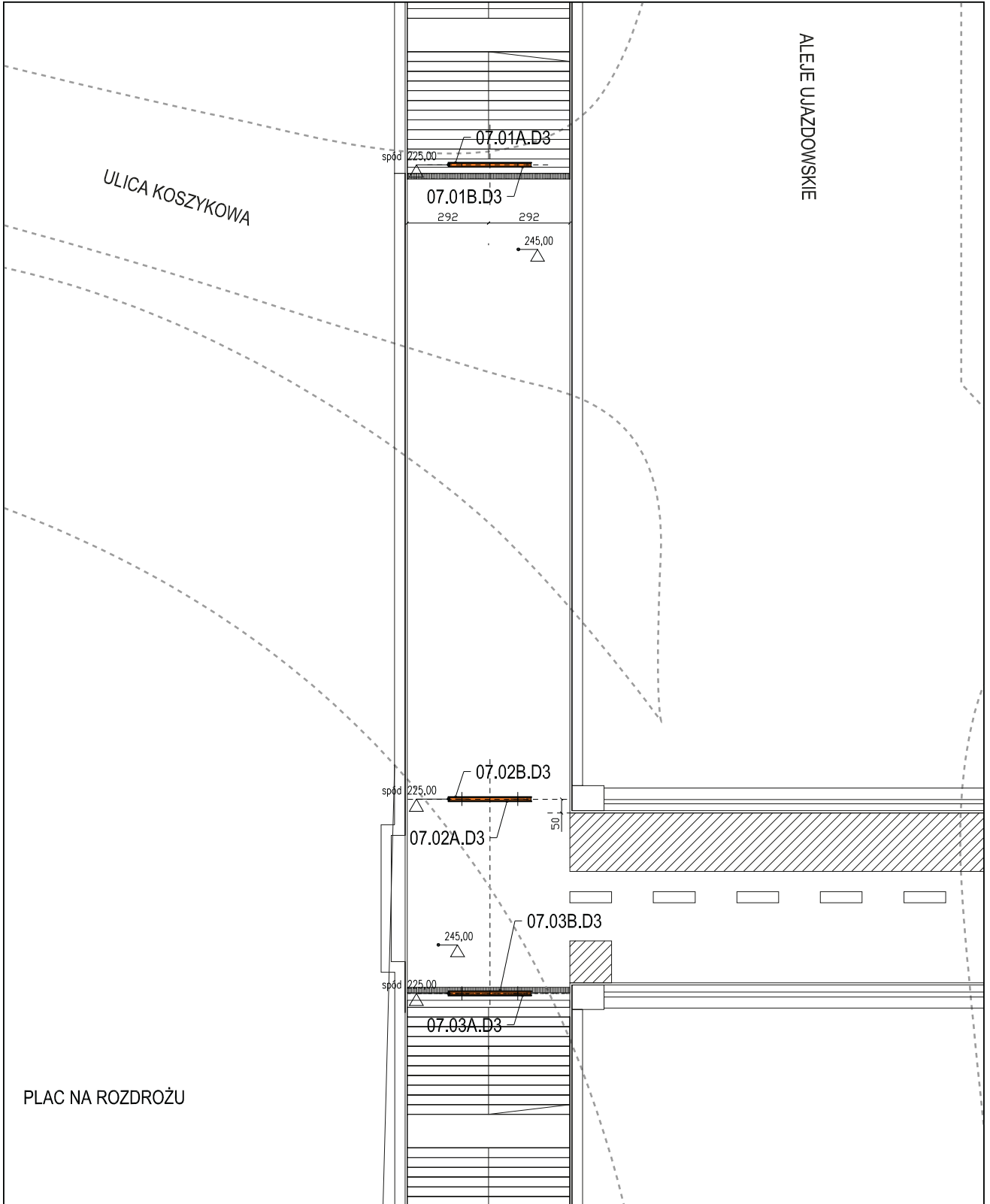
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06.01A.D3	 <small>kierunek direction</small> Mokotów, Centrum, Ochota, Praga-Pn. Park Ujazdowski  Łazienki Królewskie 		
06.01B.D3	 al. Wyzwolenia		ul. Koszykowa 
06.02A.D3	  <small>kierunek direction</small> Mokotów, Centrum, Ochota, Praga-Pn. Park Ujazdowski  Łazienki Królewskie		
06.02B.D3	 al. Armii Ludowej		al. Wyzwolenia 
06.03A.D3	  <small>kierunek direction</small> Mokotów, Centrum, Ochota, Praga-Pn. Park Ujazdowski  Łazienki Królewskie		
06.03B.D3	 al. Armii Ludowej	al. Wyzwolenia	ul. Koszykowa 
06.04A.D3	  <small>kierunek direction</small> Mokotów, Centrum, Ochota, Praga-Pn. Park Ujazdowski  Łazienki Królewskie		
06.04B.D3	 al. Armii Ludowej, al. Wyzwolenia, ul. Koszykowa		

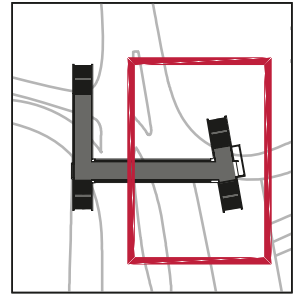
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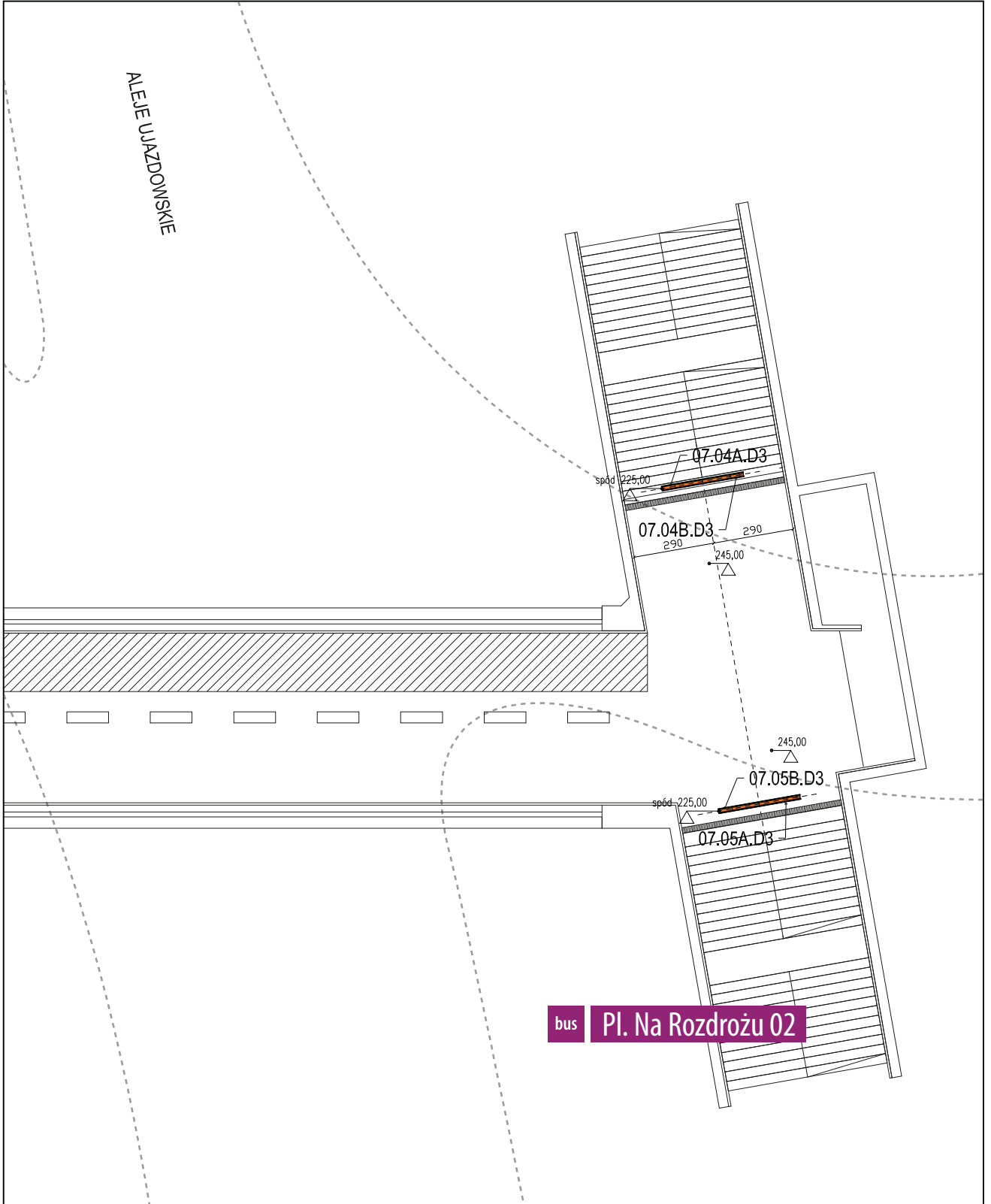
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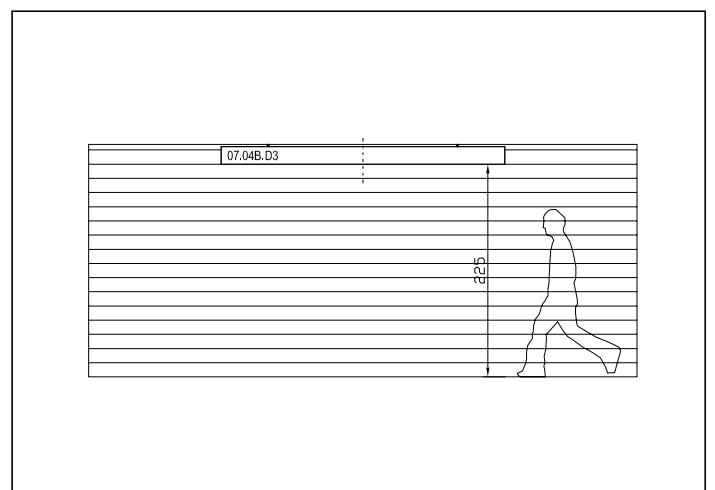
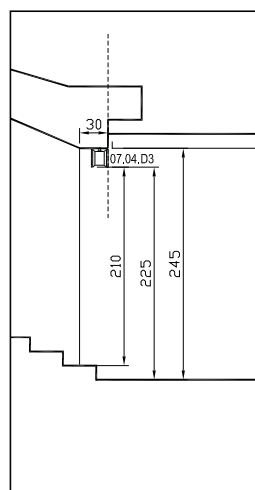
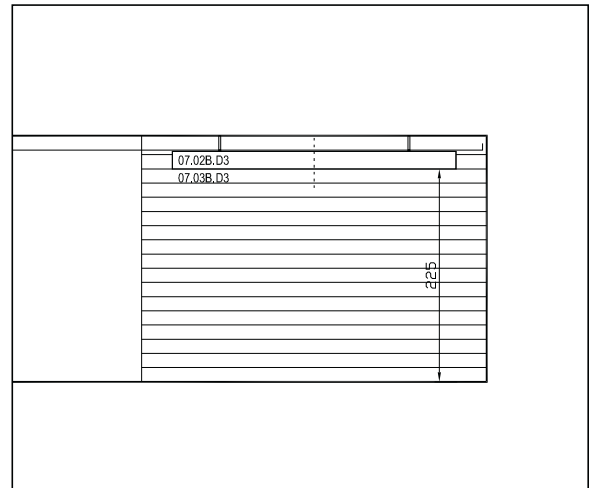
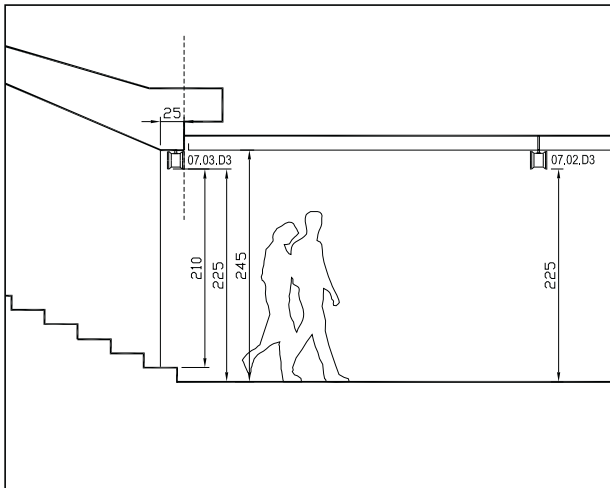
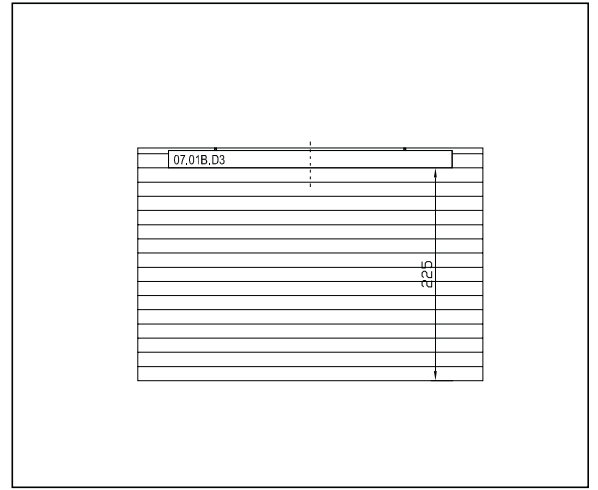
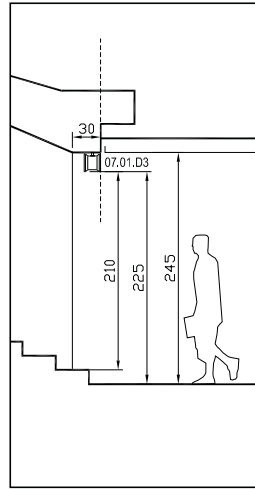


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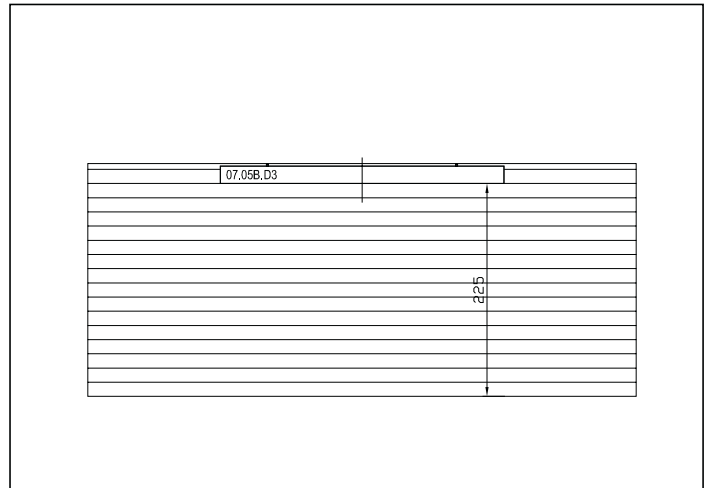
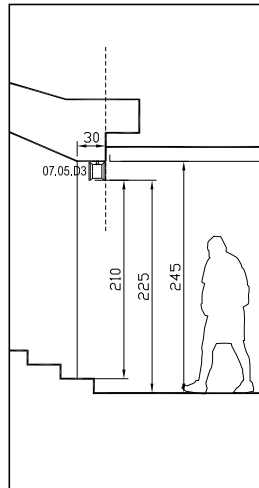


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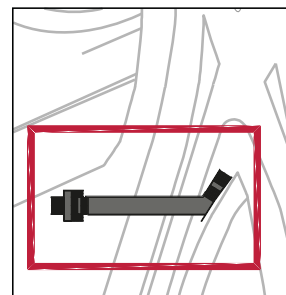


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07.01A.D3	  <small>kierunek direction</small> Centrum, Ochota, Praga-Pd. Park Ujazdowski		
07.01B.D3	 ul. Koszykowa	 <small>kierunek direction</small> Mokotów	Al. Ujazdowskie 
07.02A.D3	 ul. Koszykowa, Al. Ujazdowskie  <small>kierunek direction</small> Mokotów		
07.02B.D3	  <small>kierunek direction</small> Centrum, Ochota, Praga-Pd. Park Ujazdowski	al. J. Ch. Szucha 	
07.03A.D3	  <small>kierunek direction</small> Mokotów	 <small>kierunek direction</small> Centrum, Ochota, Praga-Pd. Park Ujazdowski	
07.03B.D3	 al. J.Ch. Szucha  Łazienki Królewskie		
07.04A.D3	  <small>kierunek direction</small> Centrum, Ochota, Praga-Pd.	 Łazienki Królewskie	 <small>kierunek direction</small> Mokotów 
07.04B.D3	 Al. Ujazdowskie, Park Ujazdowski		
07.05A.D3	  <small>kierunek direction</small> Mokotów	Park Ujazdowski 	
07.05B.D3	  <small>kierunek direction</small> Ochota, Praga-Pd.	  Łazienki Królewskie	 <small>kierunek direction</small> Centrum 

**AKTUALNIE PRZEJŚCIE WYNAJĘTE.**  
INSTALOWANIE NOŚNIKÓW INFORMACJI NIE JEST REKOMENDOWANE.  
W POBLIŻU ZNAJDUJE SIĘ NAZIEMNE PRZEJŚCIE DLA PIESZYCH.

1:200

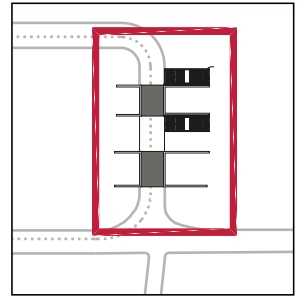


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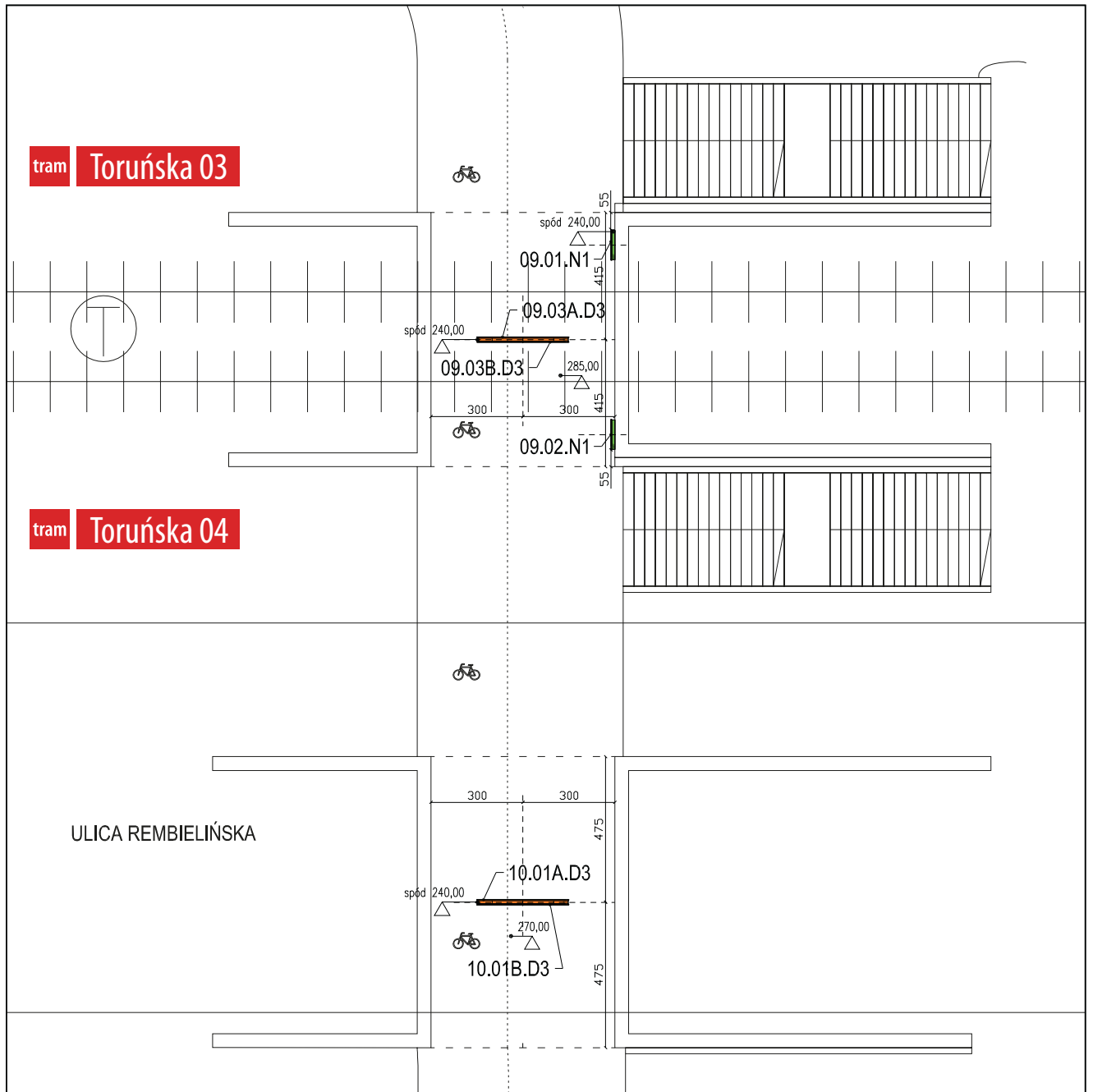


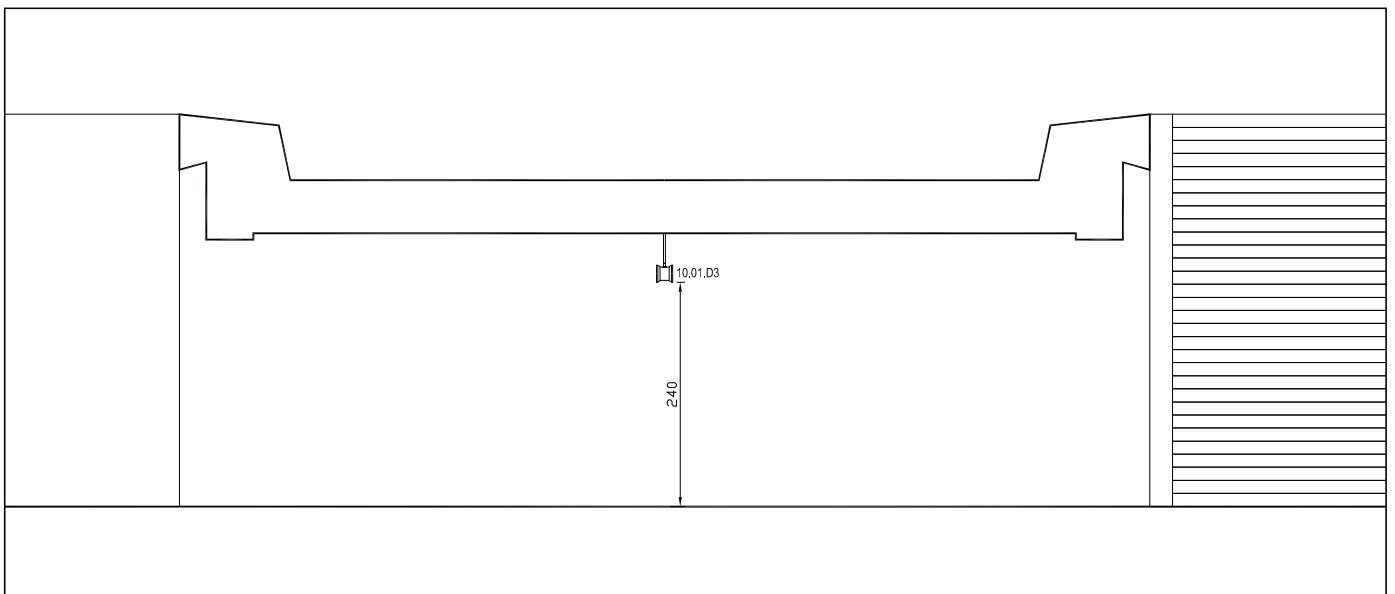
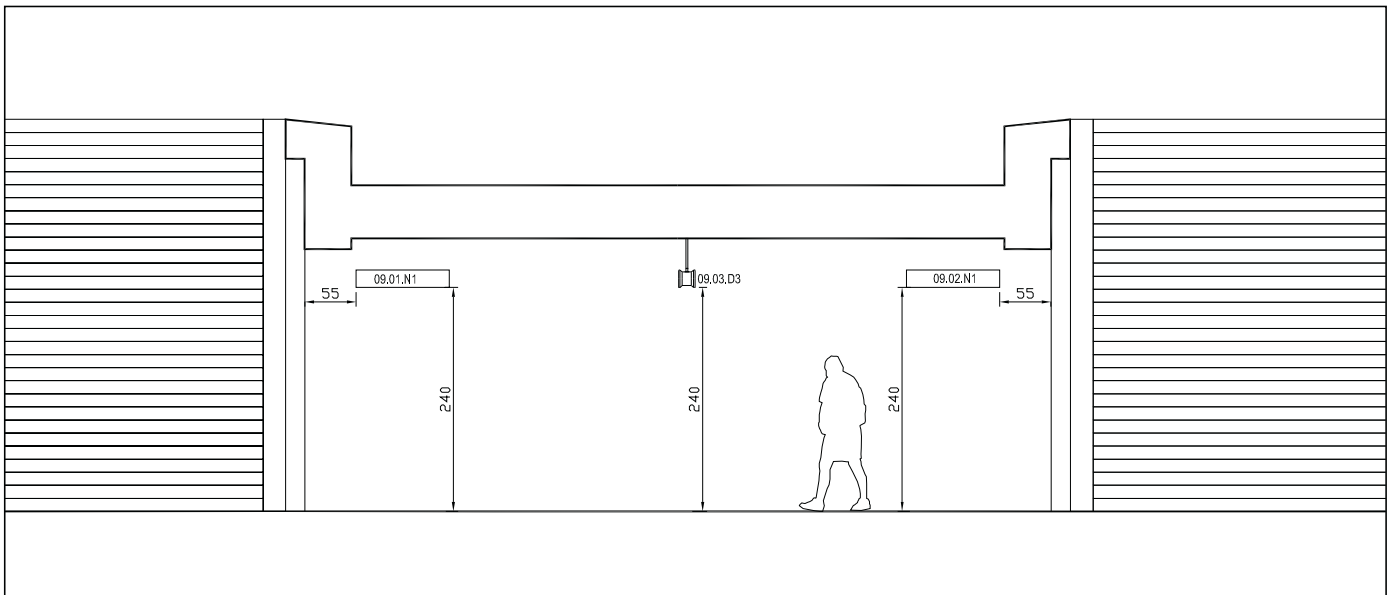
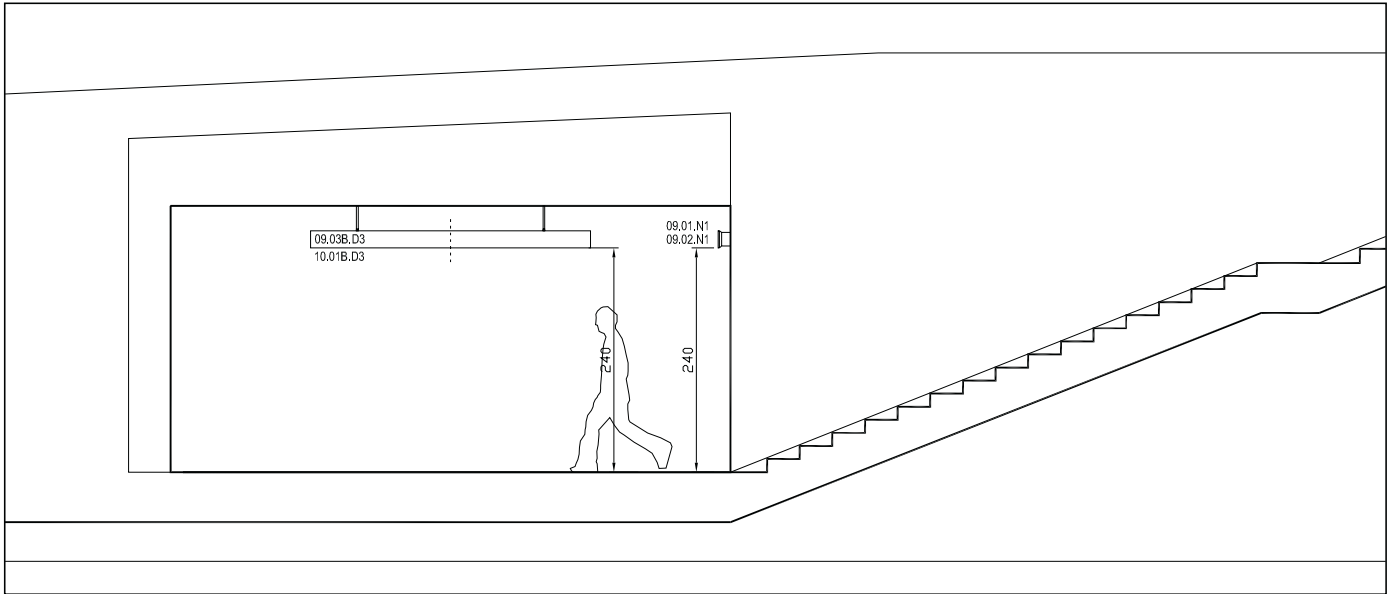




























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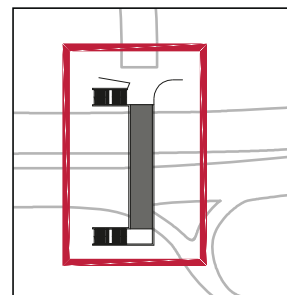
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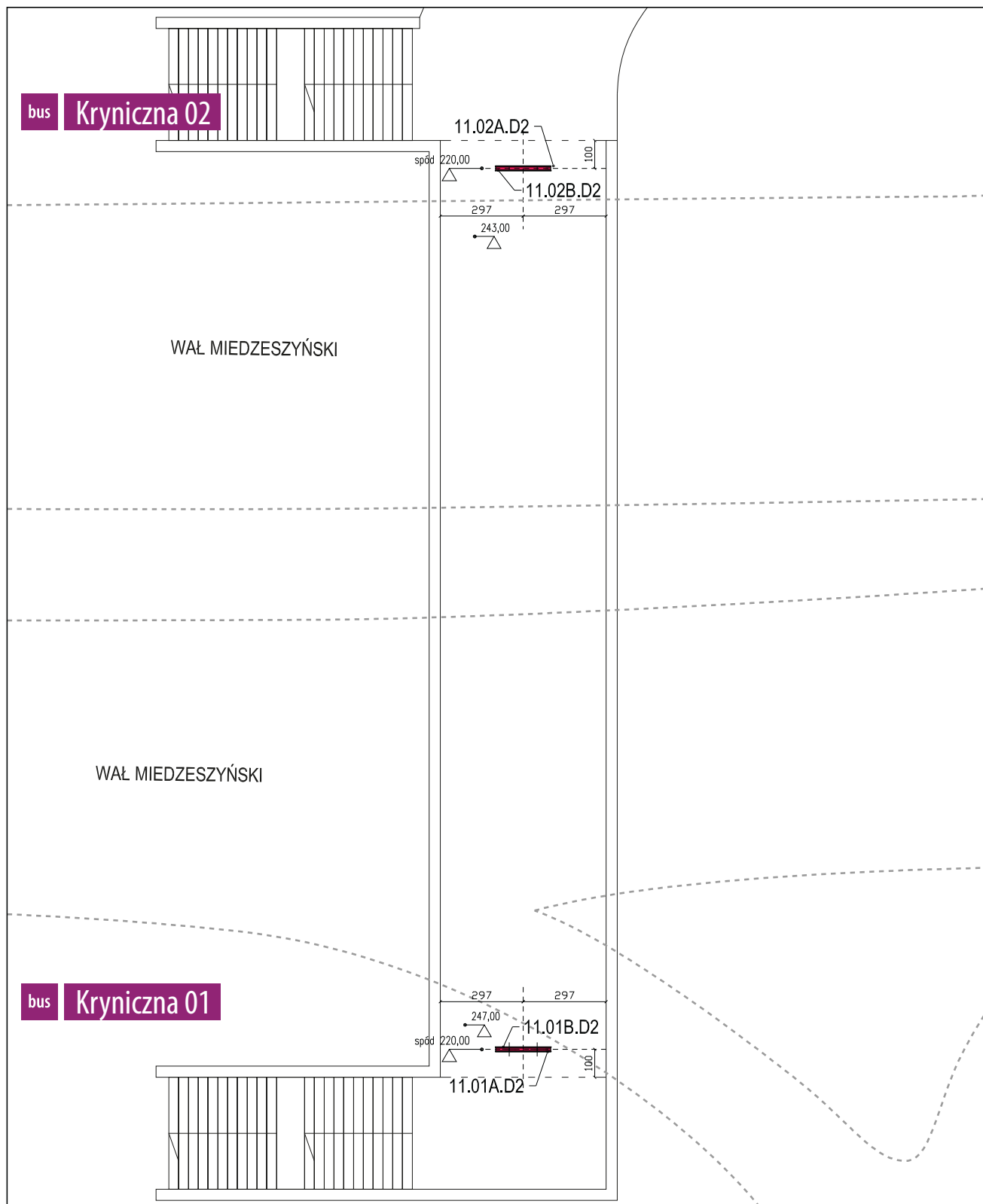


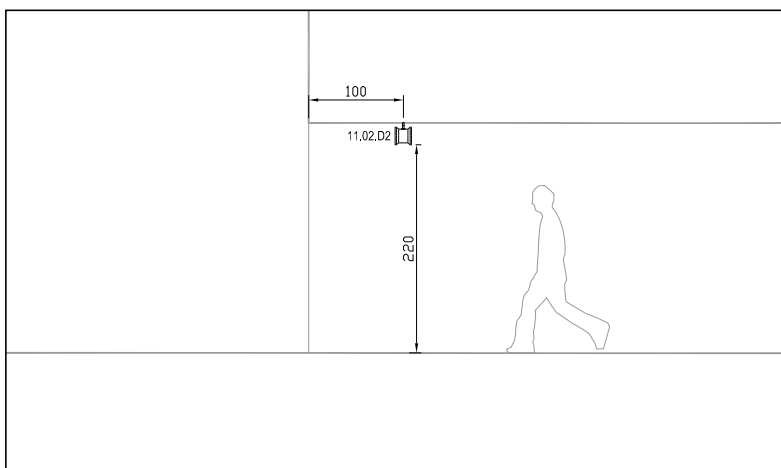
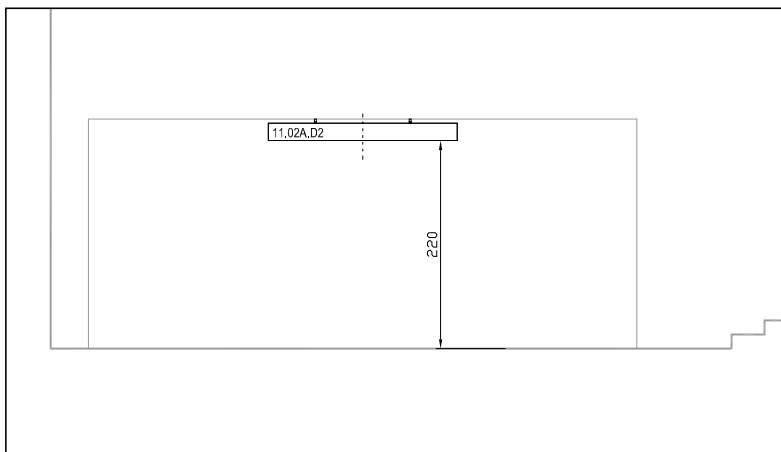
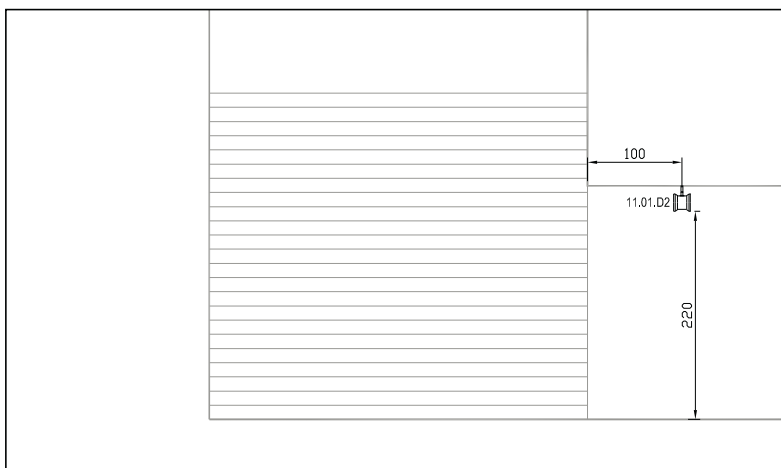
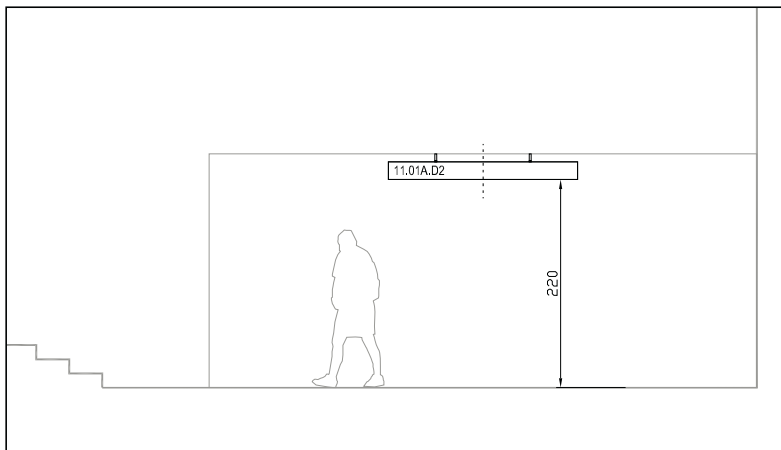
09.01.N1	   kierunek direction Targówek		
09.02.N1	   kierunek direction Żerań		
09.03A.D3	   kierunek direction Żerań	 ul. Toruńska  kierunek direction Białołęka, Żoliborz 	
09.03B.D3	 ul. Bazyliańska	   kierunek direction Targówek  	
10.01A.D3	 ul. Toruńska  kierunek direction Białołęka, Żoliborz	 	ul. L. Kondratowicza 
10.01B.D3	  kierunek direction Żerań, Targówek 		

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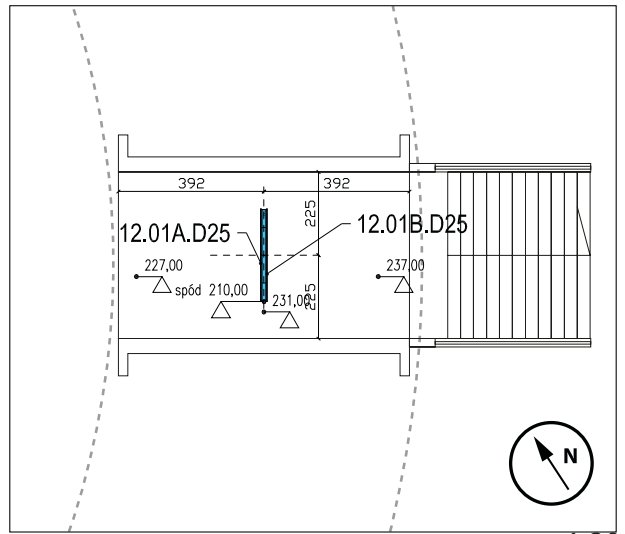
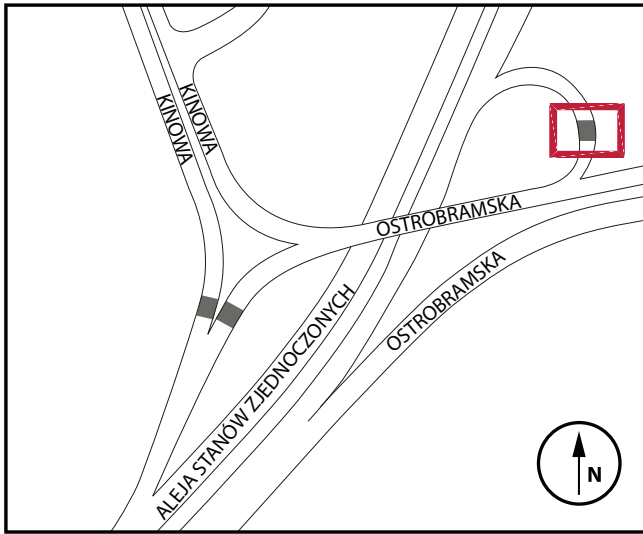
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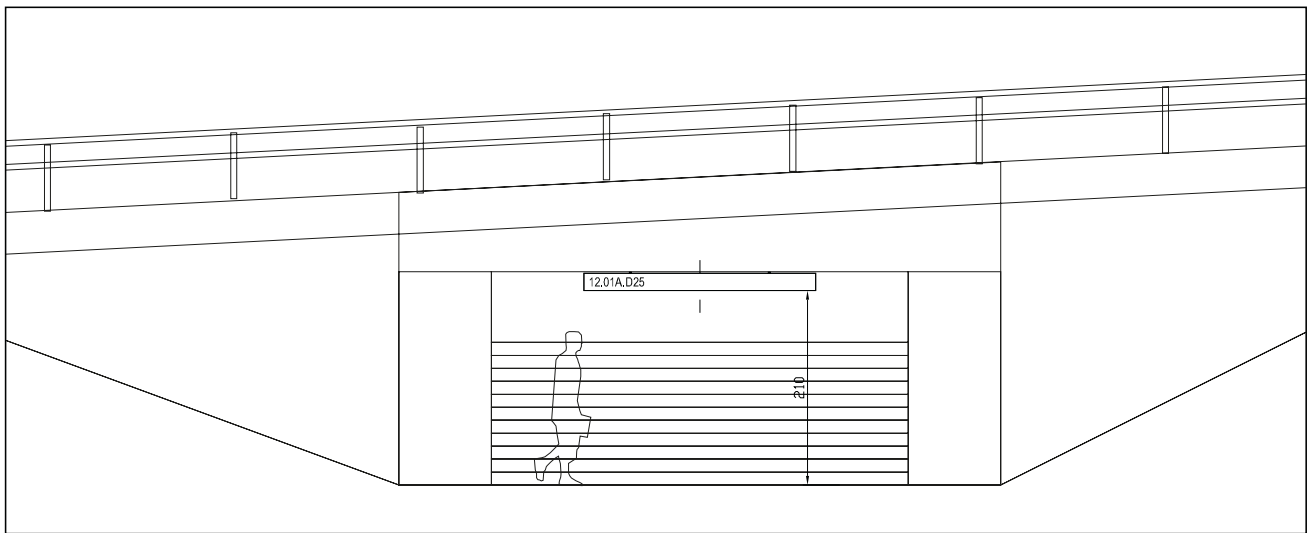


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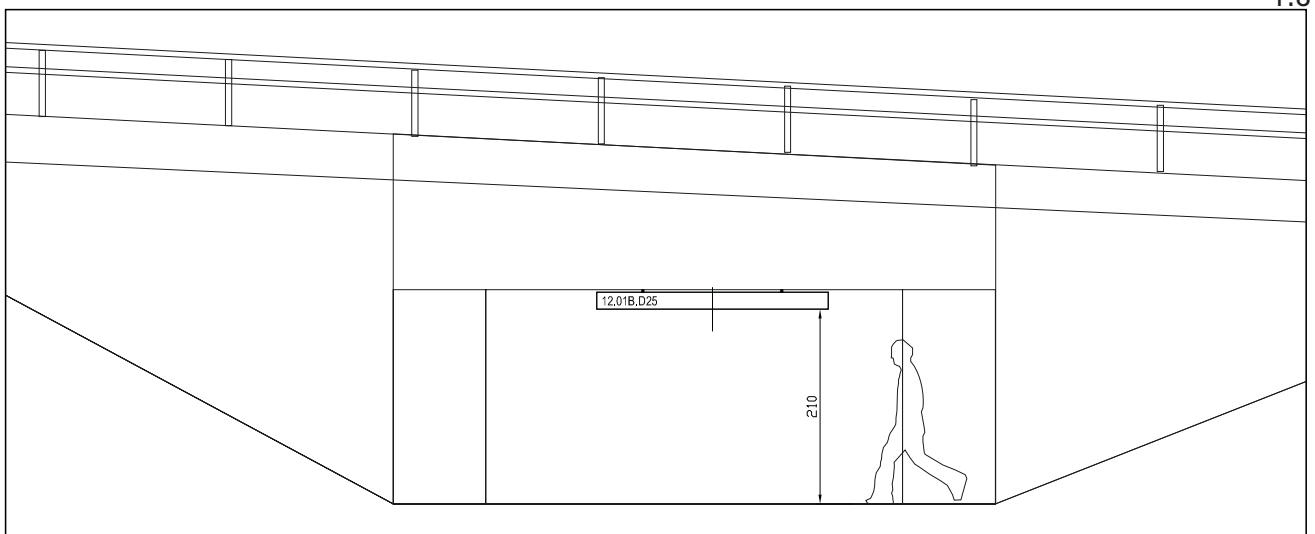
11.01A.D2	  kierunek direction Praga-Pn. ul. Kryniczna
11.01B.D2	 Plaża Miejska   kierunek direction Mokotów, Praga-Pd. 
11.02A.D2	  kierunek direction Mokotów, Praga-Pd.  Plaża Miejska 
11.02B.D2	  kierunek direction Praga-Pn.         ul. Kryniczna 










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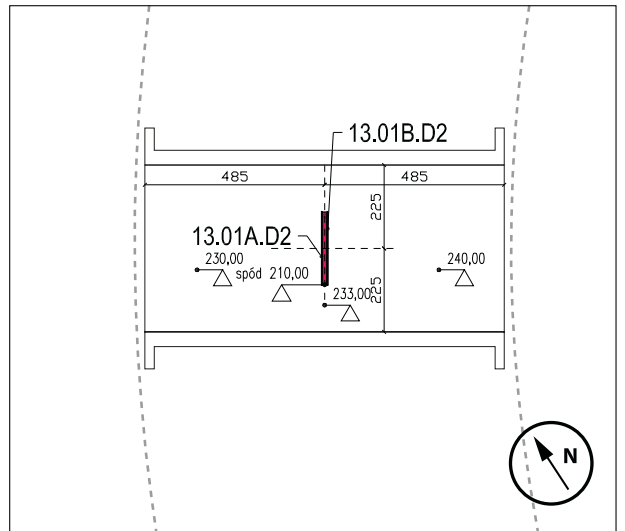
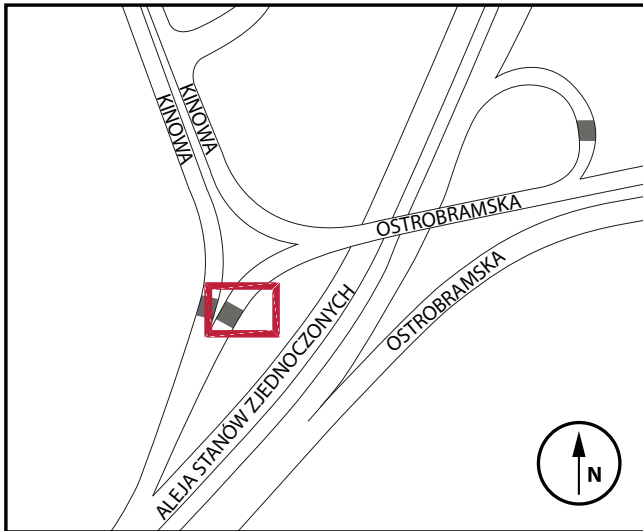
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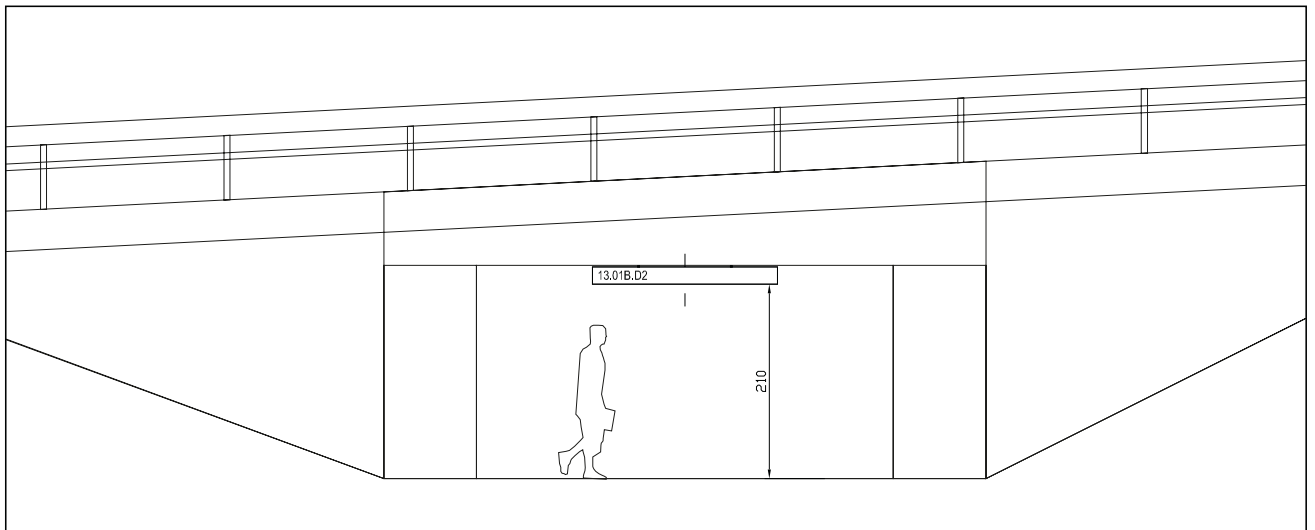
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12.01A.D25	 ul. Ostrobramska  kierunek direction Centrum
12.01B.D25	  kierunek direction Grochów   ul. Ostrobramska  kierunek direction Wawer

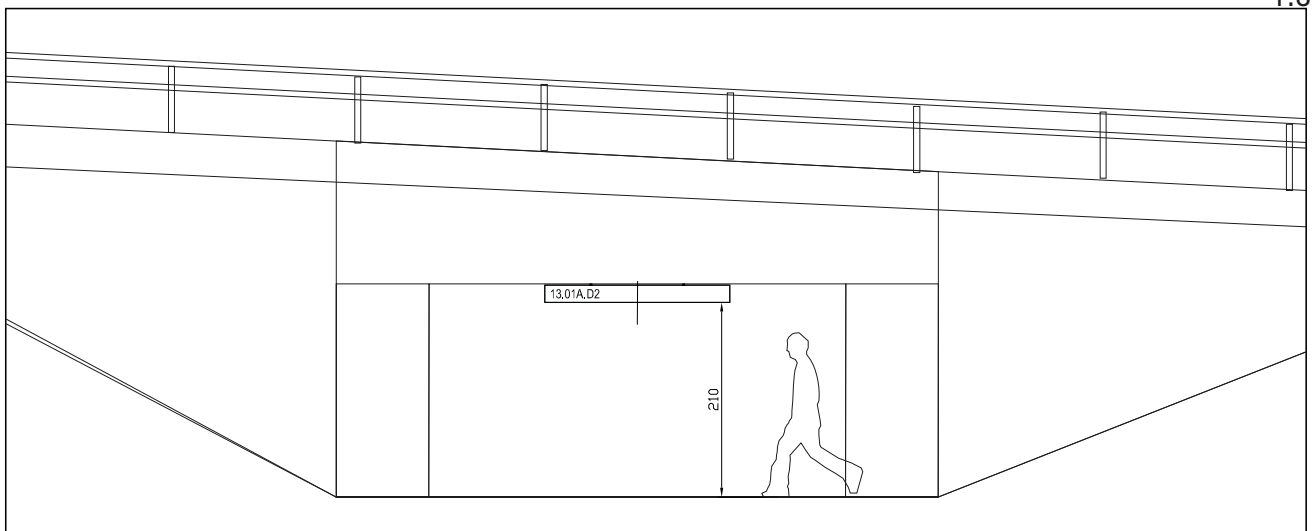









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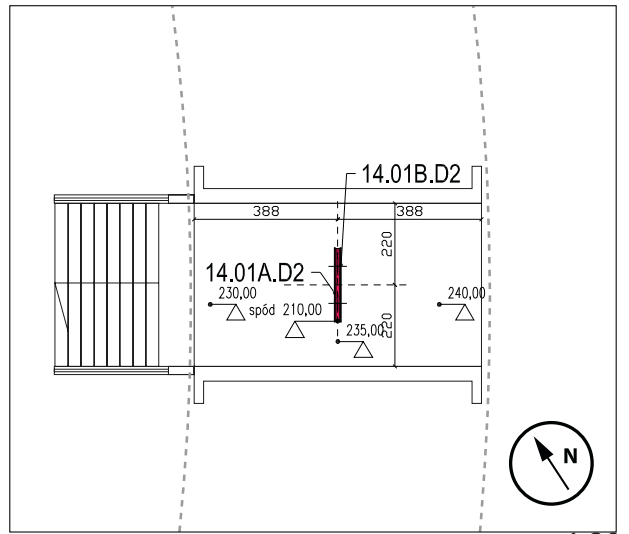
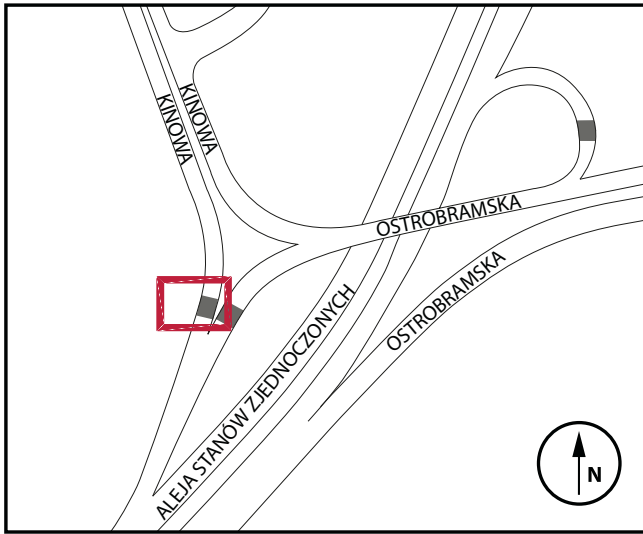


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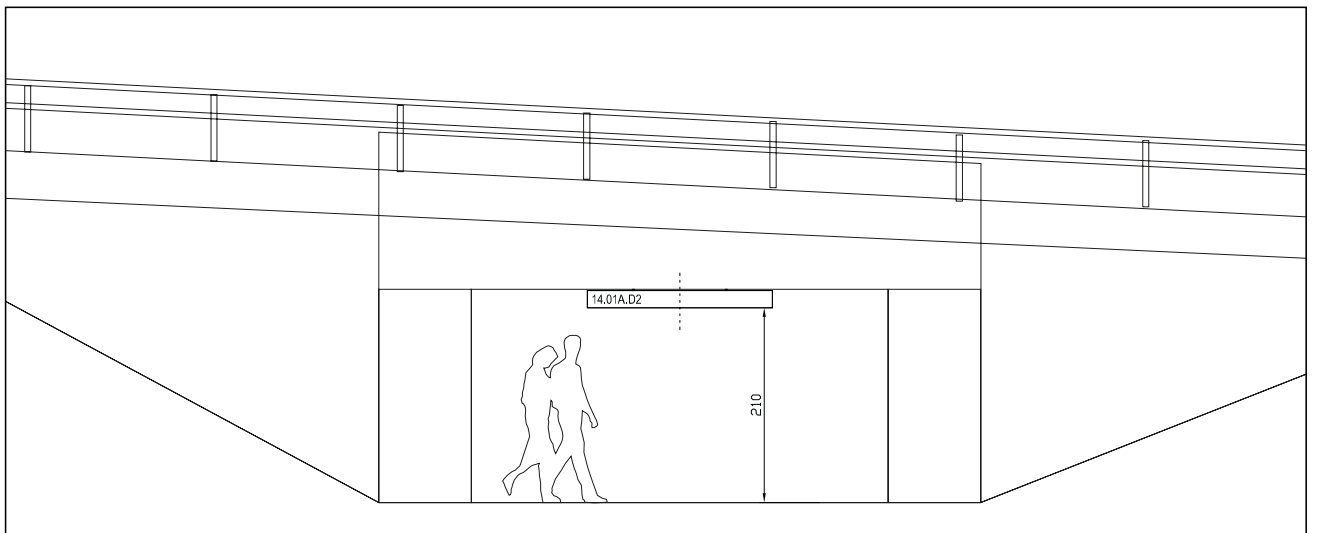


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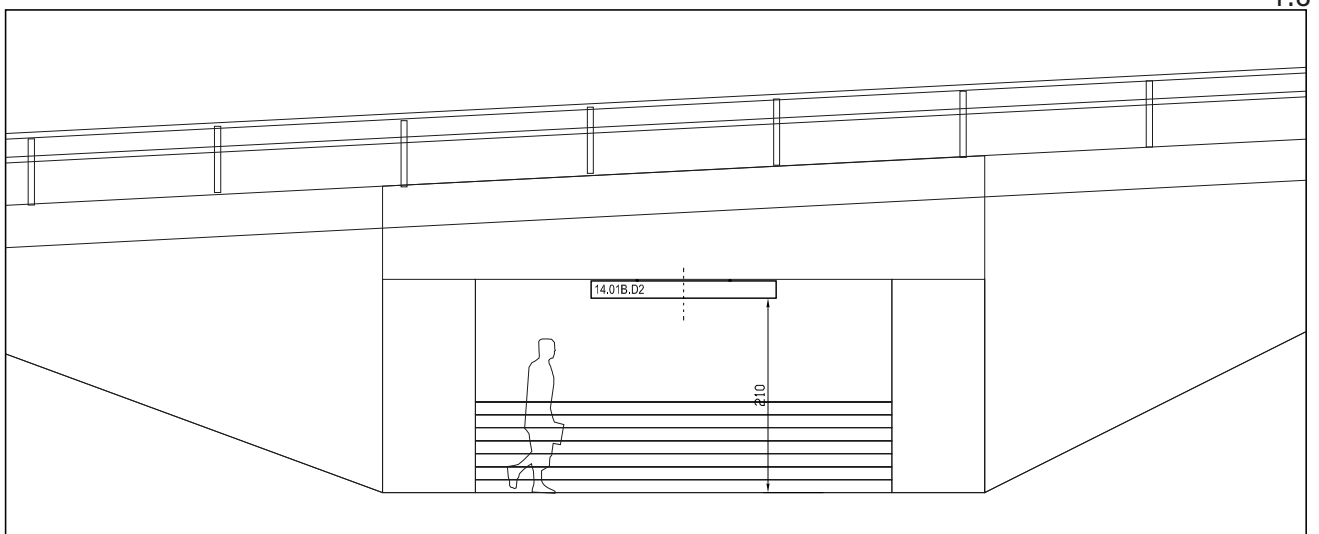
- 13.01A.D2   kierunek direction Centrum   kierunek direction Grochów, Wawer
- 13.01B.D2  ul. Kinowa





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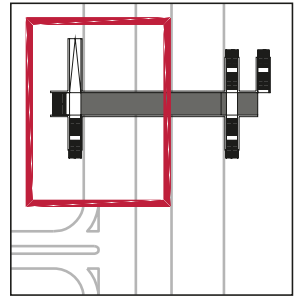
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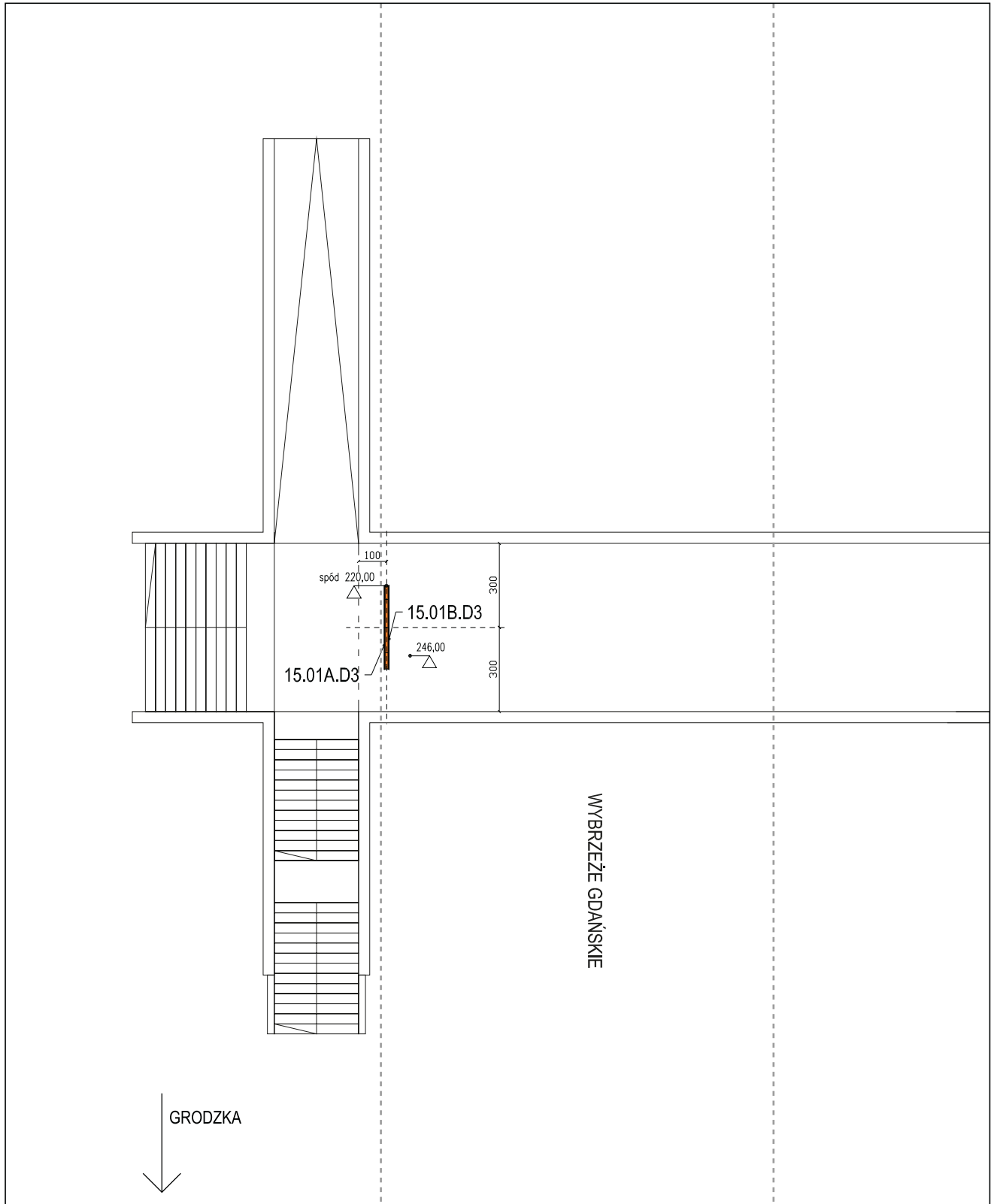
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14.01A.D2	  <small>kierunek direction</small> Centrum, Grochów, Wawer	
14.01B.D2	 al. Stanów Zjednoczonych	ul. Kinowa 

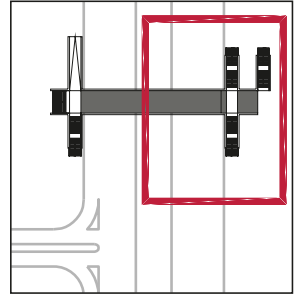
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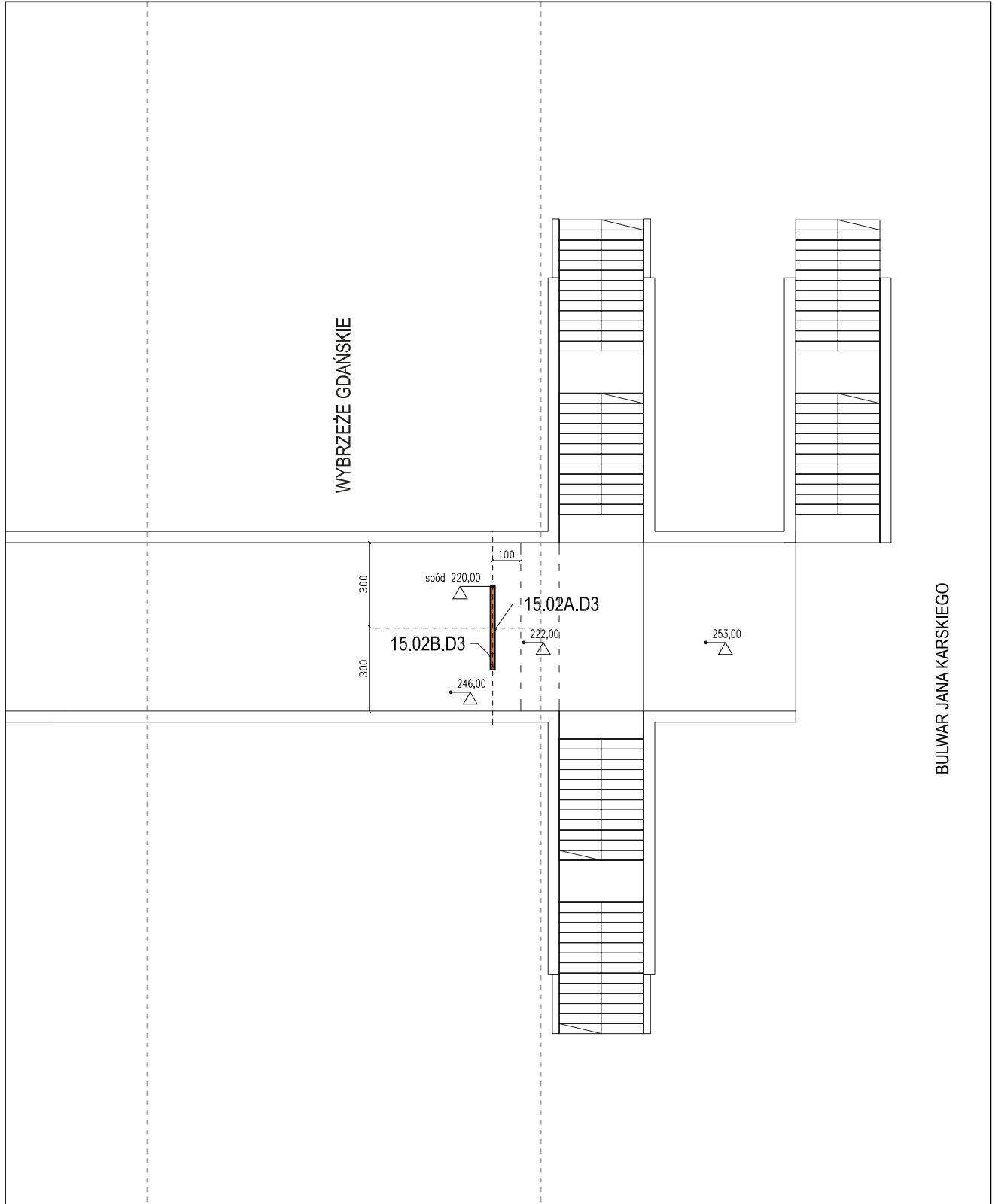
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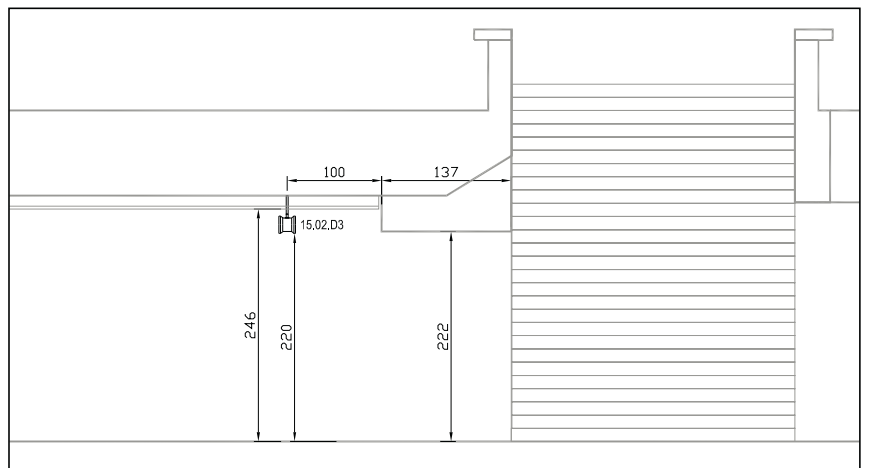
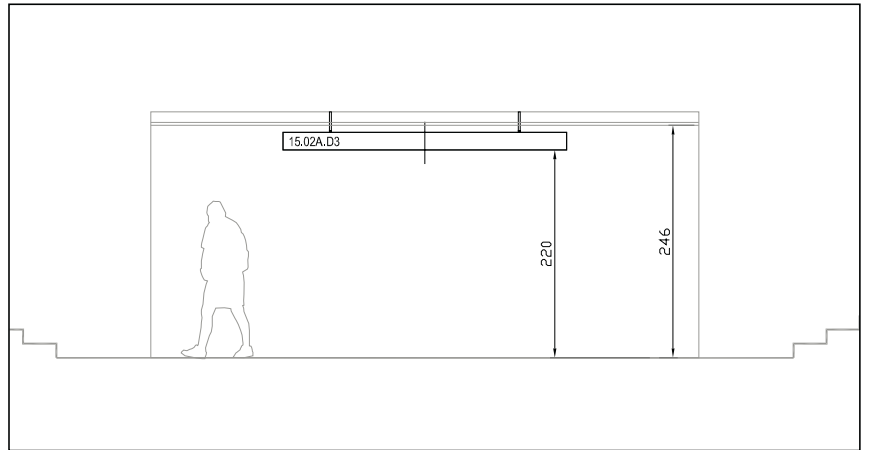
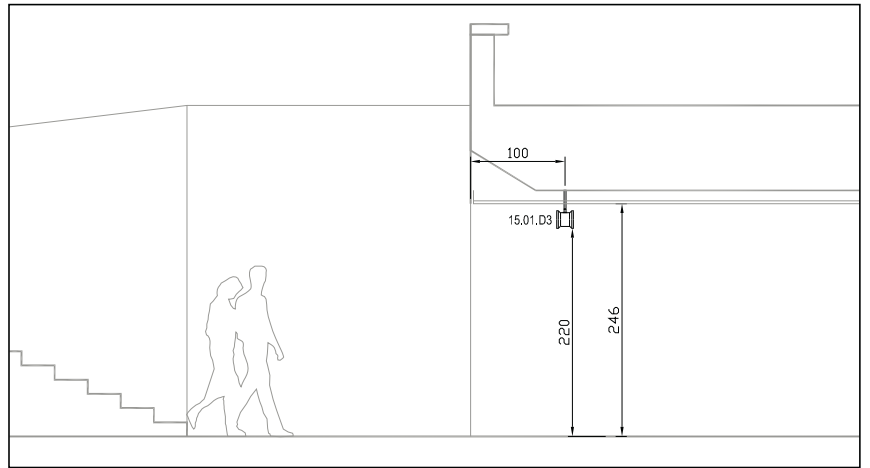
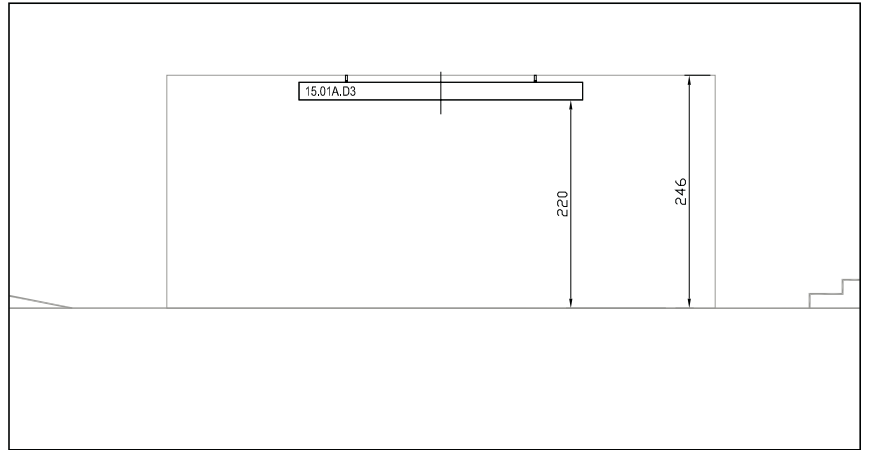


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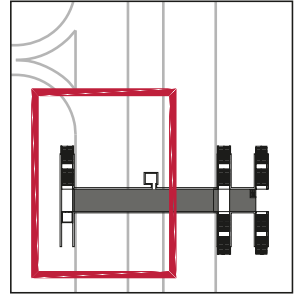


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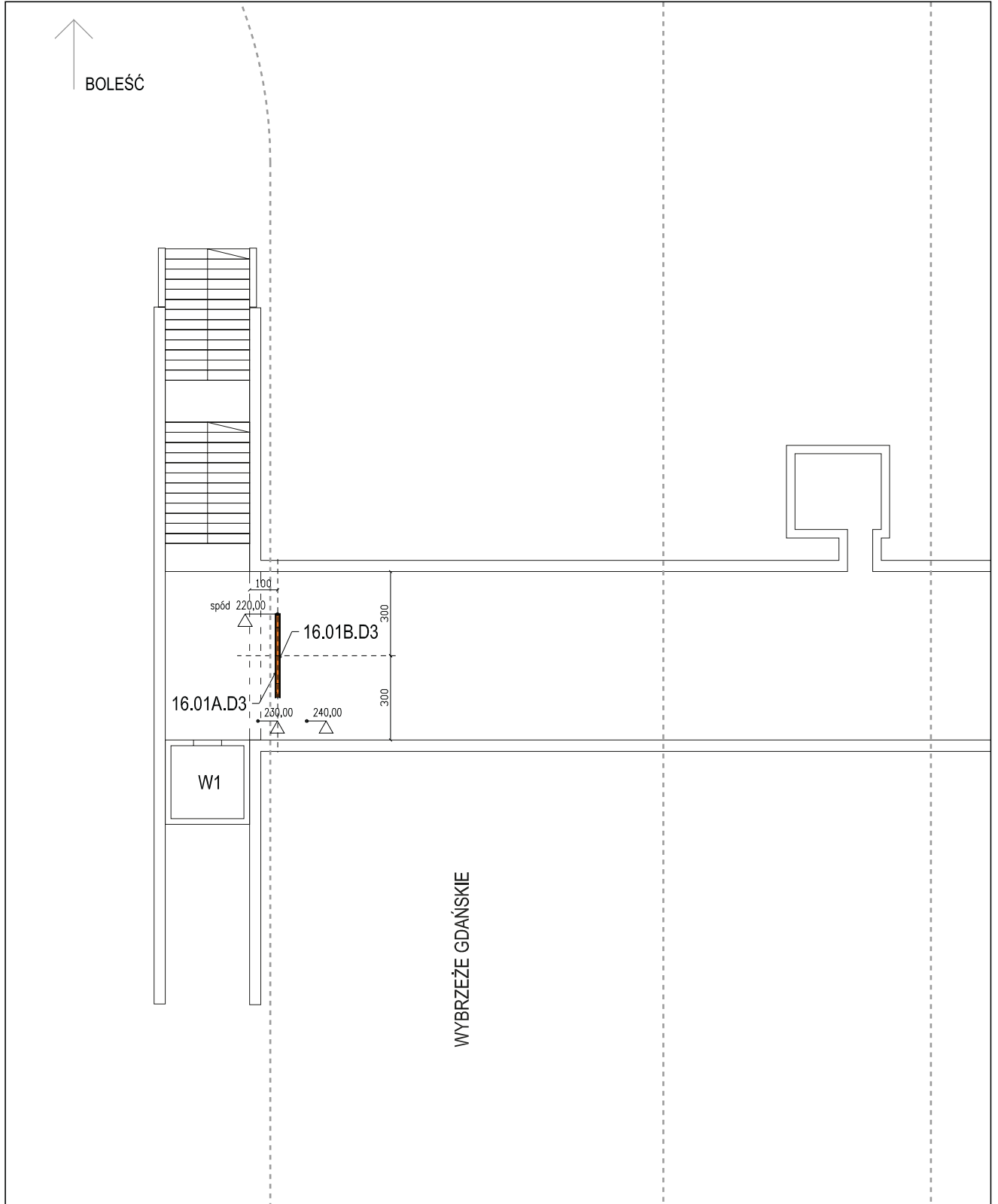
15.01A.D3	  kierunek direction Żoliborz  Bulwar J. Karskiego 
15.01B.D3	  Stare Miasto  Zamek Królewski            kierunek direction Centrum, Mokotów 
15.02A.D3	  kierunek direction Centrum, Mokotów  Stare Miasto  Zamek Królewski
15.02B.D3	  kierunek direction Żoliborz            Bulwar J. Karskiego 



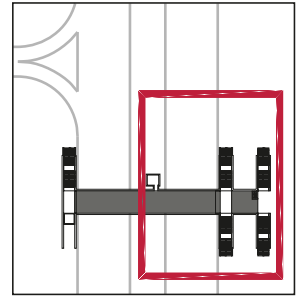
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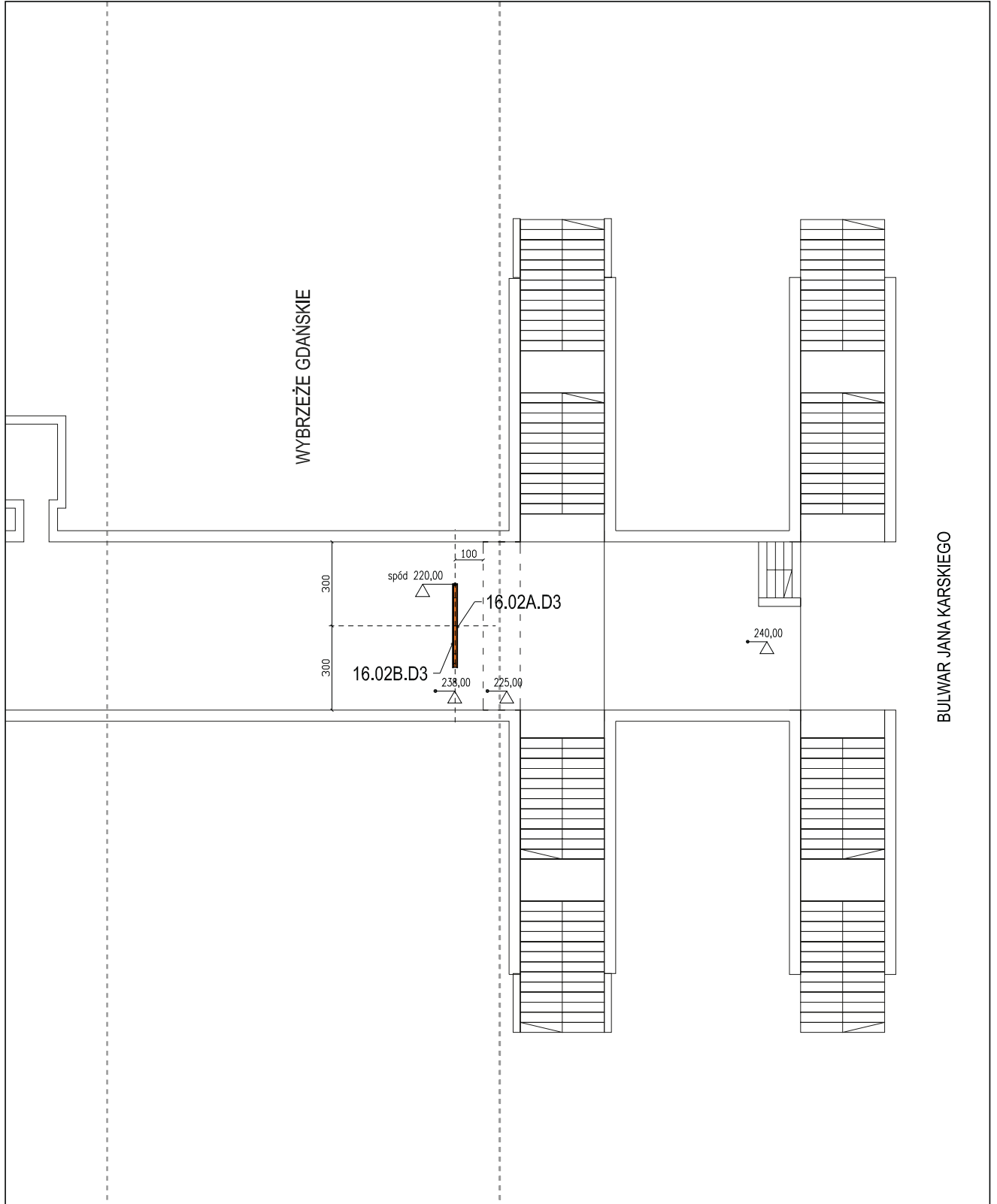
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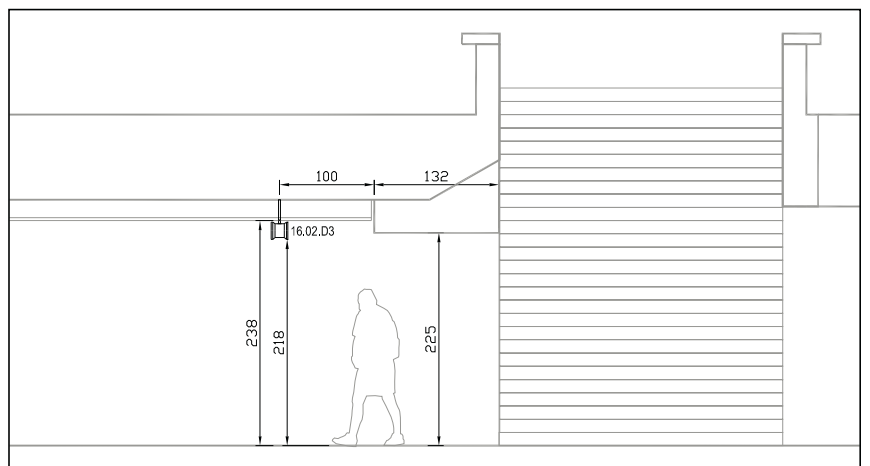
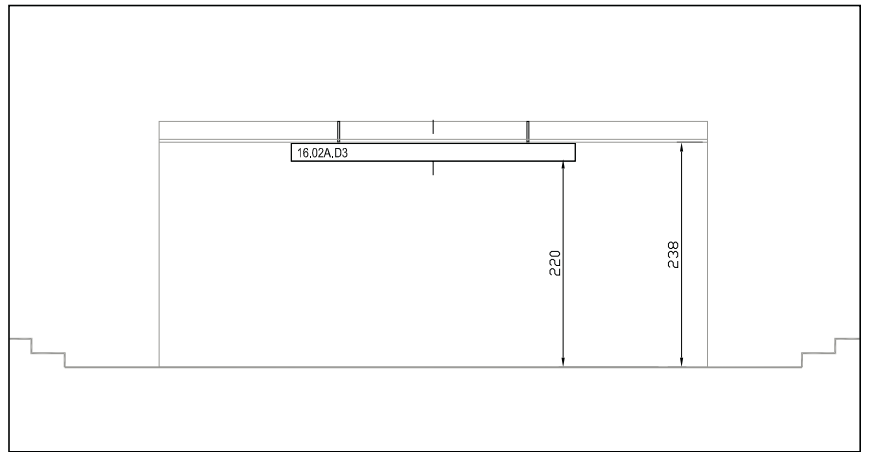
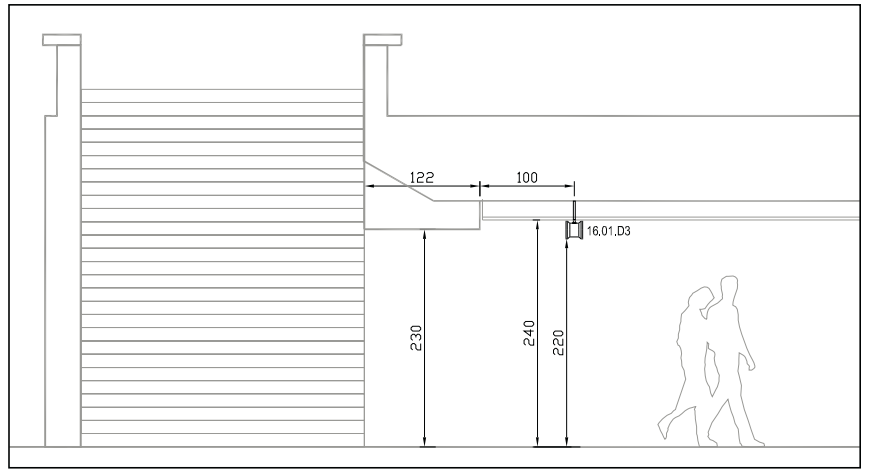
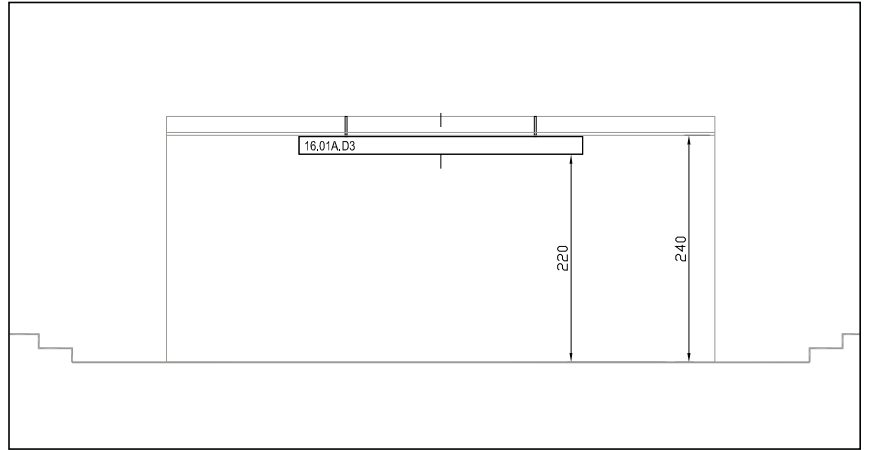


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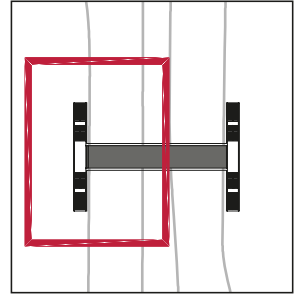




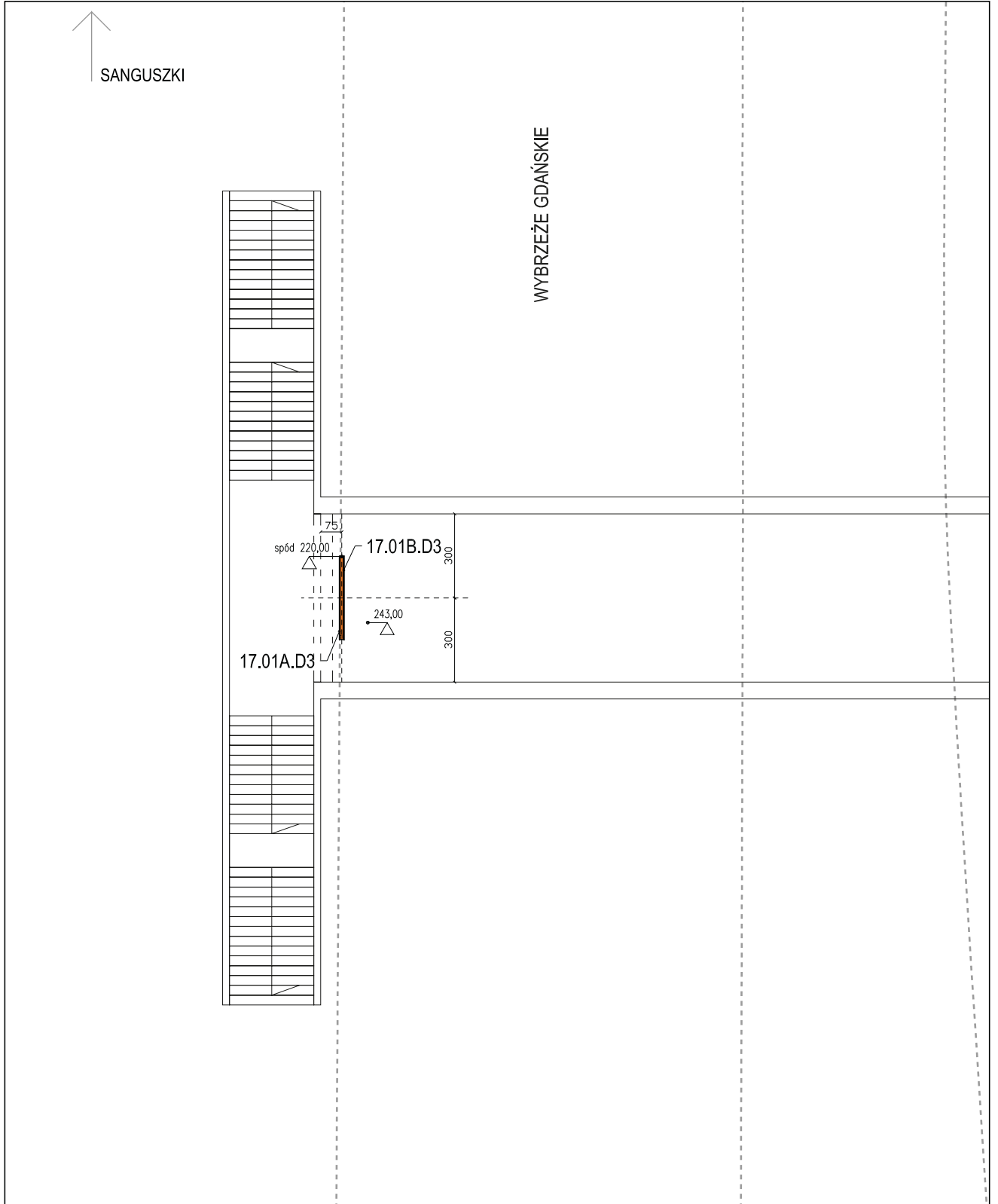
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16.01A.D3	  kierunek direction Żoliborz  Bulwar J.Karskiego 
16.01B.D3	 kierunek direction Centrum, Mokotów  Park Fontann  Stare Miasto, ul.Boleść  
16.02A.D3	  kierunek direction Centrum, Mokotów  Park Fontann  Stare Miasto, ul.Boleść
16.02B.D3	  kierunek direction Żoliborz  Bulwar J.Karskiego 

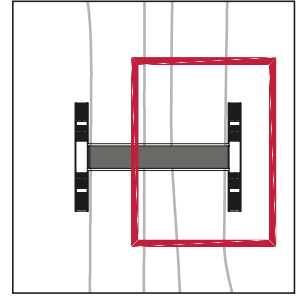
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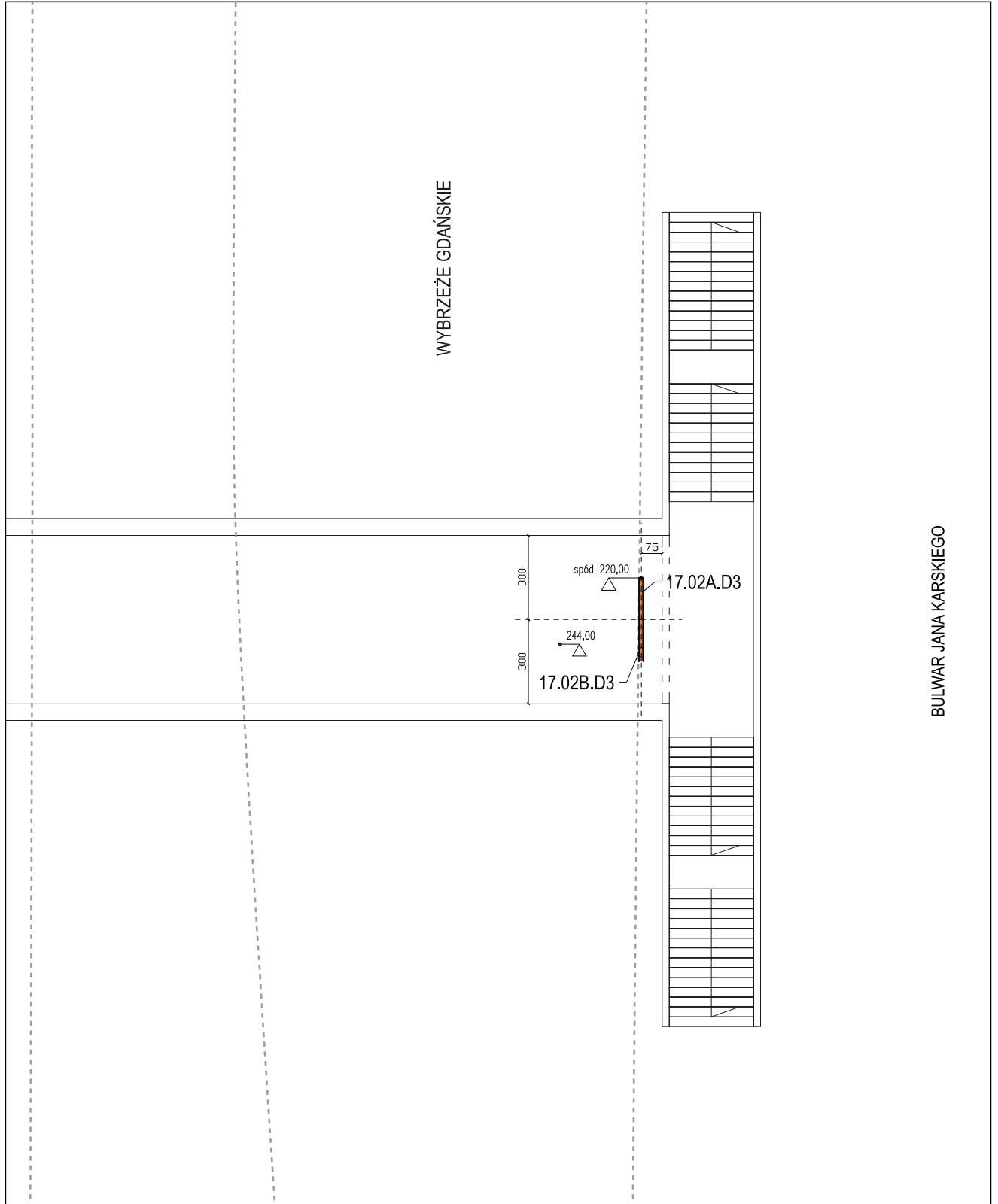
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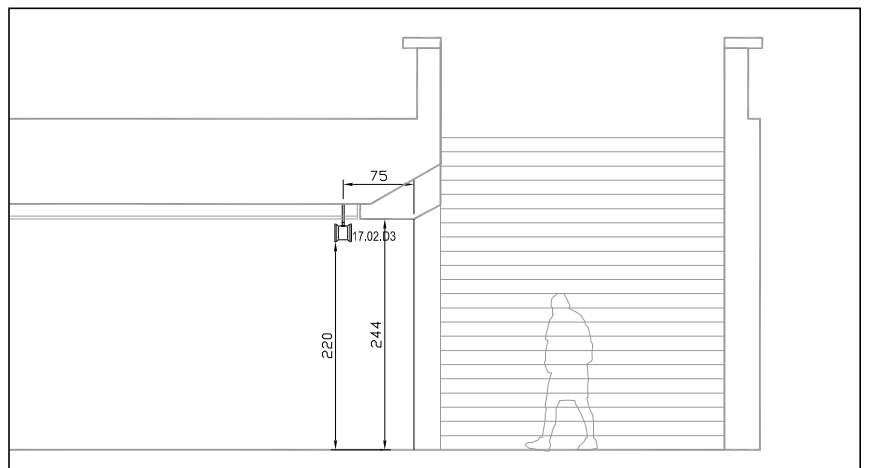
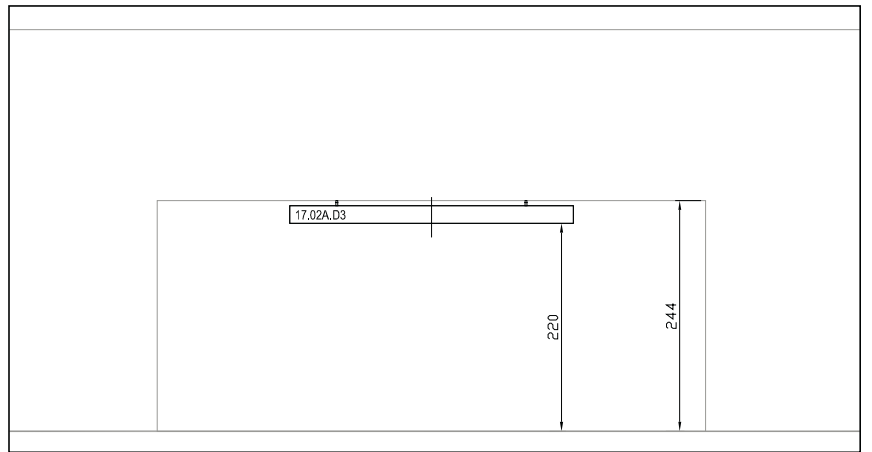
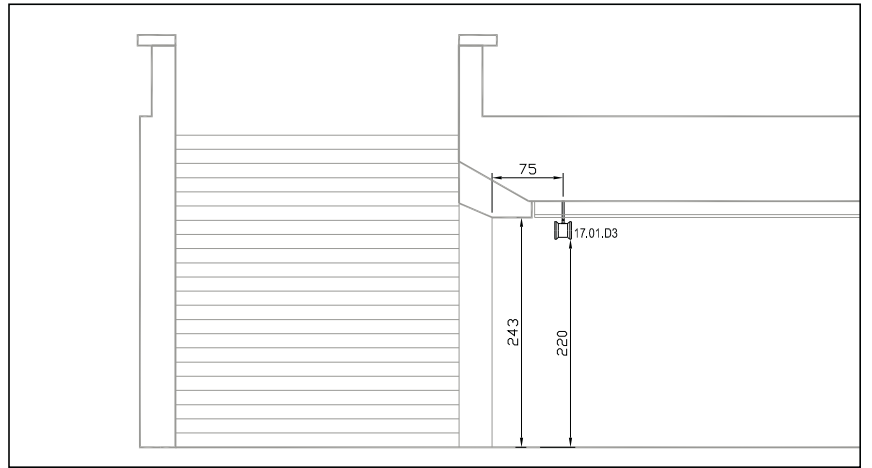
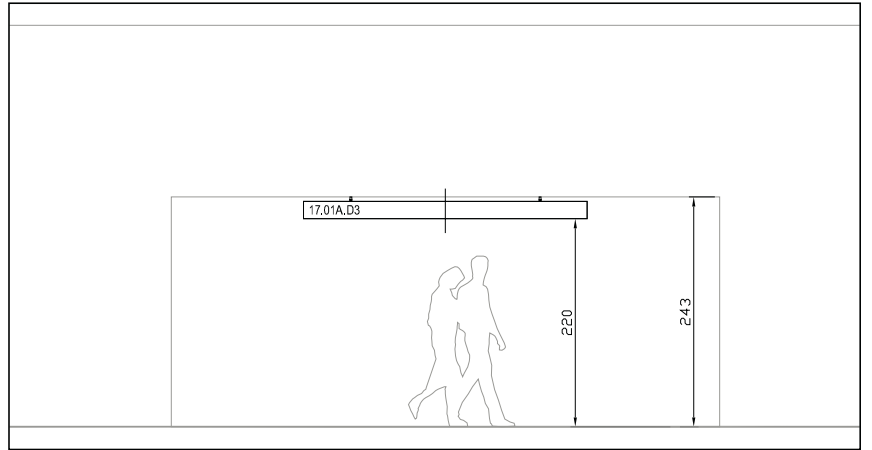


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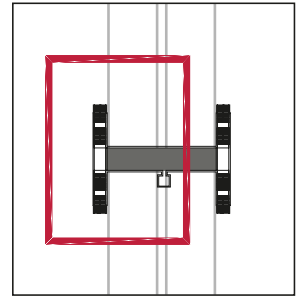


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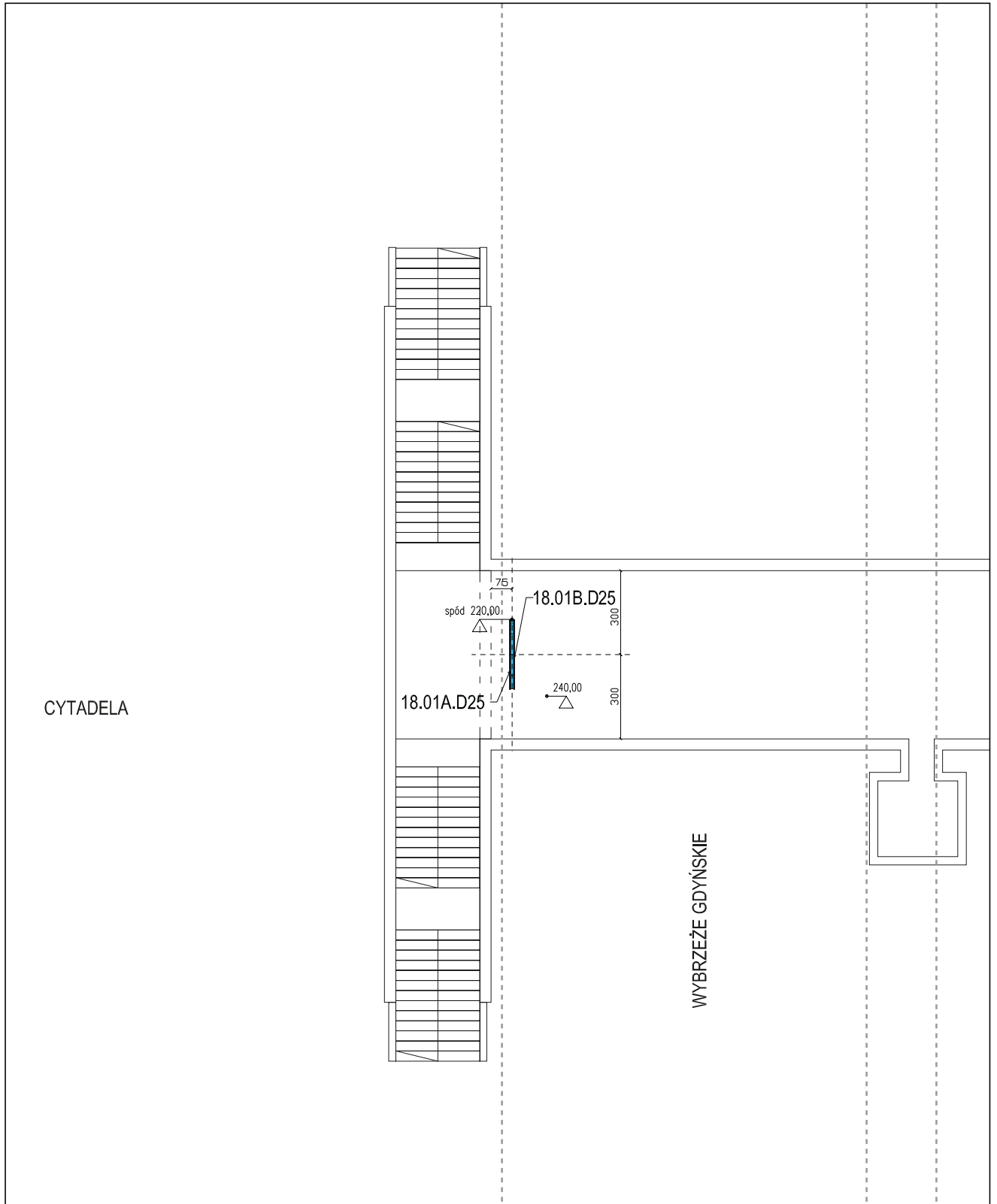
17.01A.D3	  kierunek direction Żoliborz  Bulwar J. Karskiego 
17.01B.D3	  kierunek direction Centrum, Mokotów  Park Fontann  Stare Miasto                   ul. R. Sanguszki 
17.02A.D3	  kierunek direction Centrum, Mokotów  Park Fontann  Stare Miasto, ul. R. Sanguszki
17.02B.D3	 Bulwar J. Karskiego     kierunek direction Żoliborz 



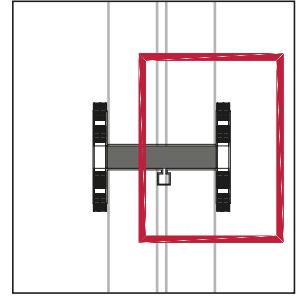
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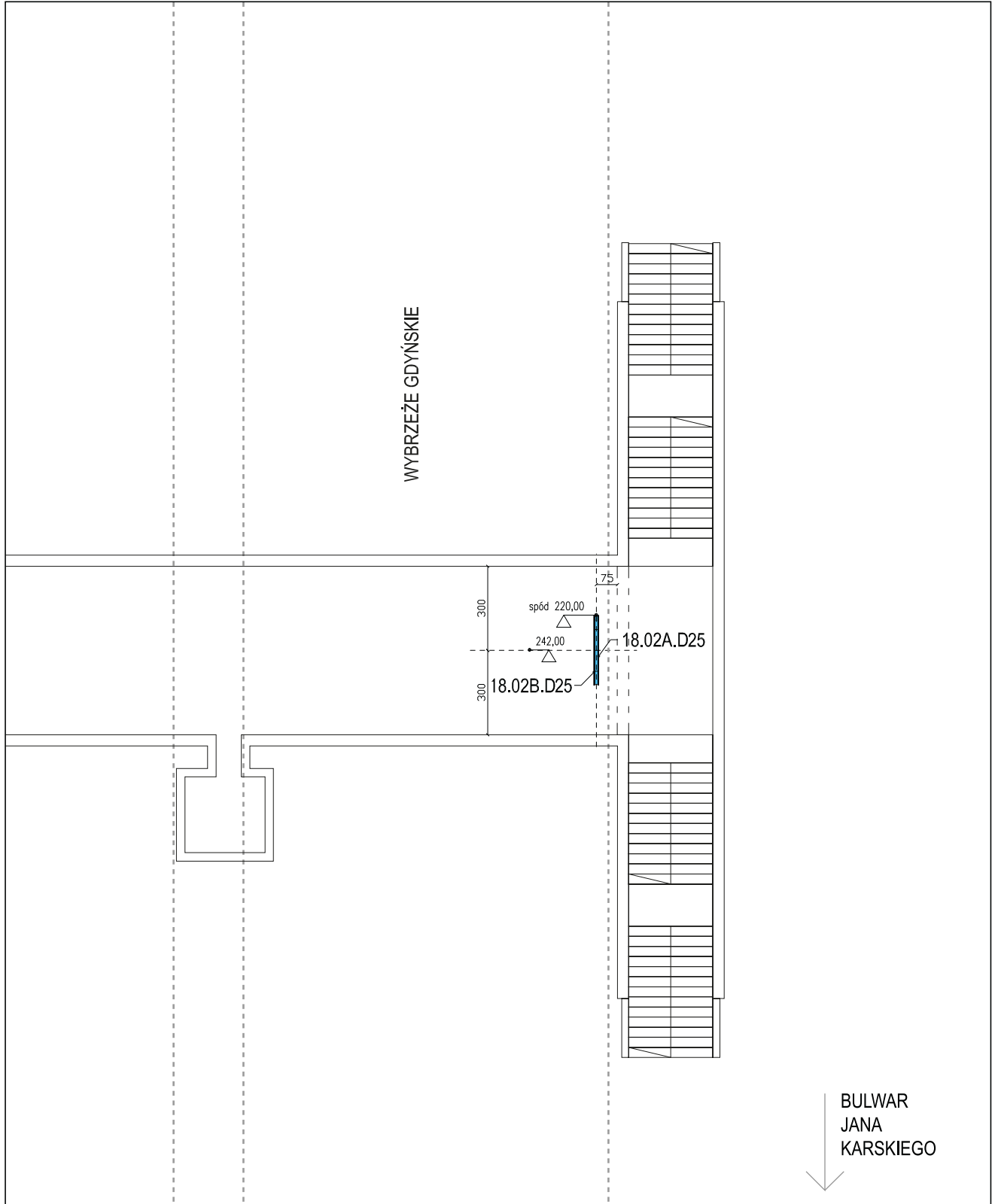
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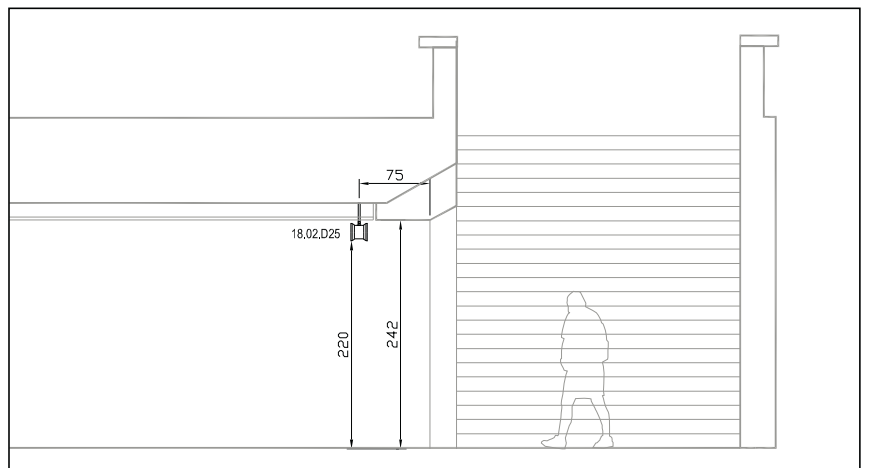
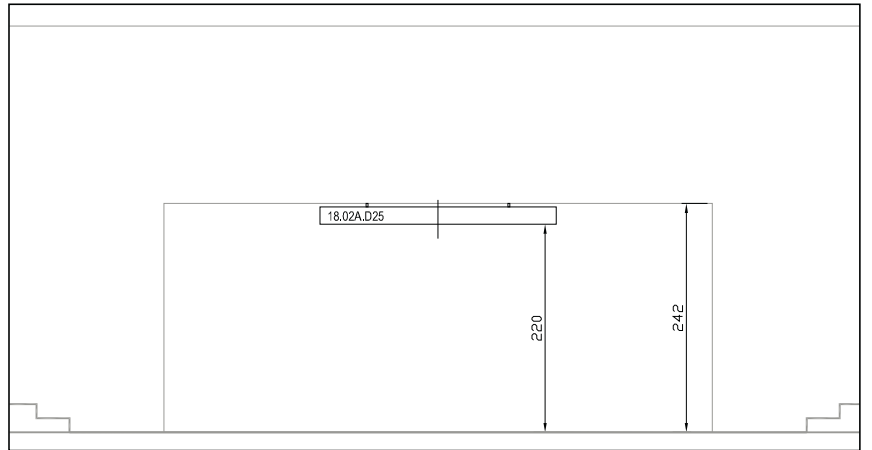
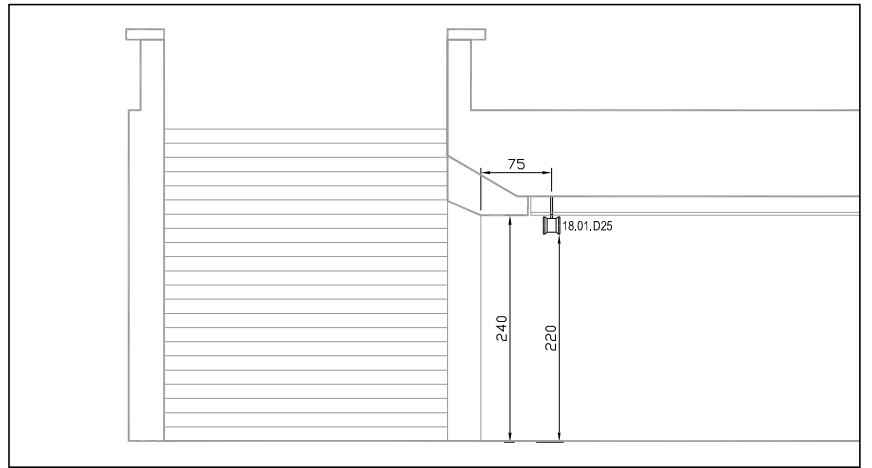
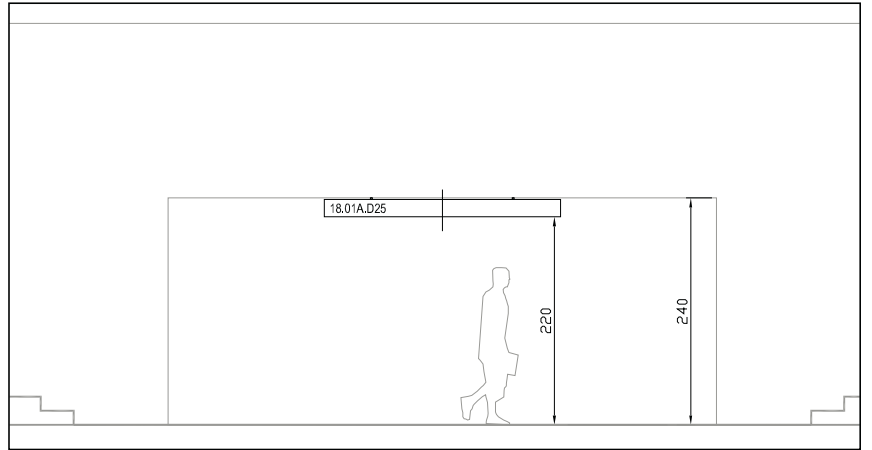


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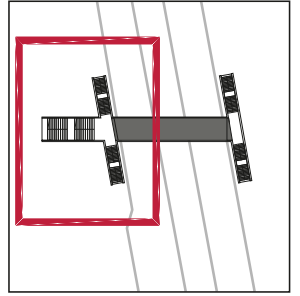




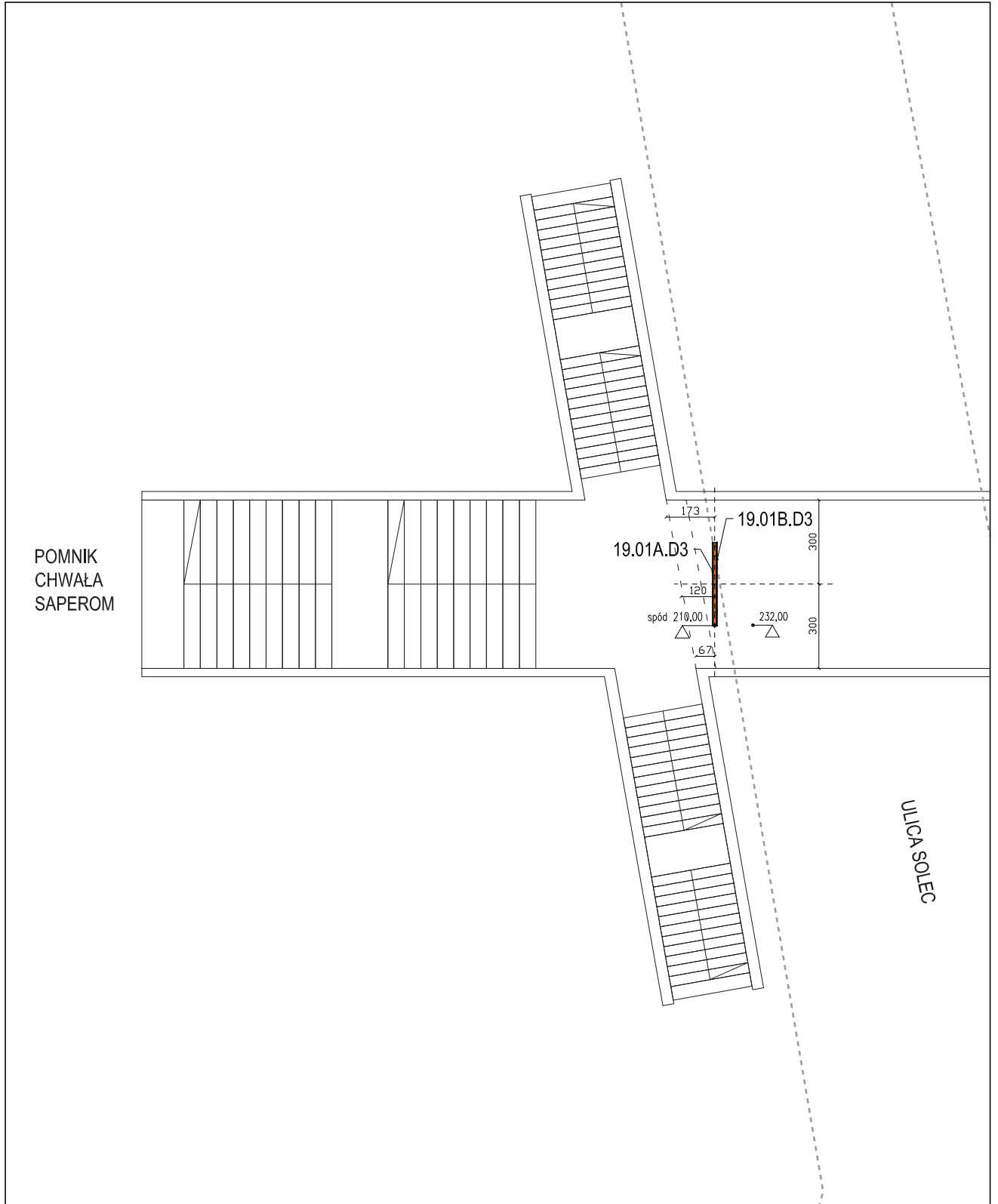
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18.01A.D25	  kierunek direction Żoliborz  Bulwar J. Karskiego 
18.01B.D25	  kierunek direction Centrum, Mokotów  Cytadela Warszawska
18.02A.D25	  kierunek direction Centrum, Mokotów  Cytadela Warszawska
18.02B.D25	 Bulwar J. Karskiego   kierunek direction Żoliborz 

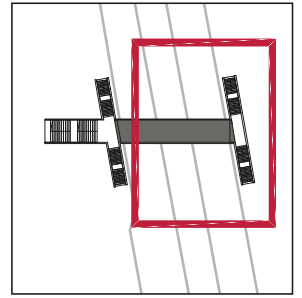
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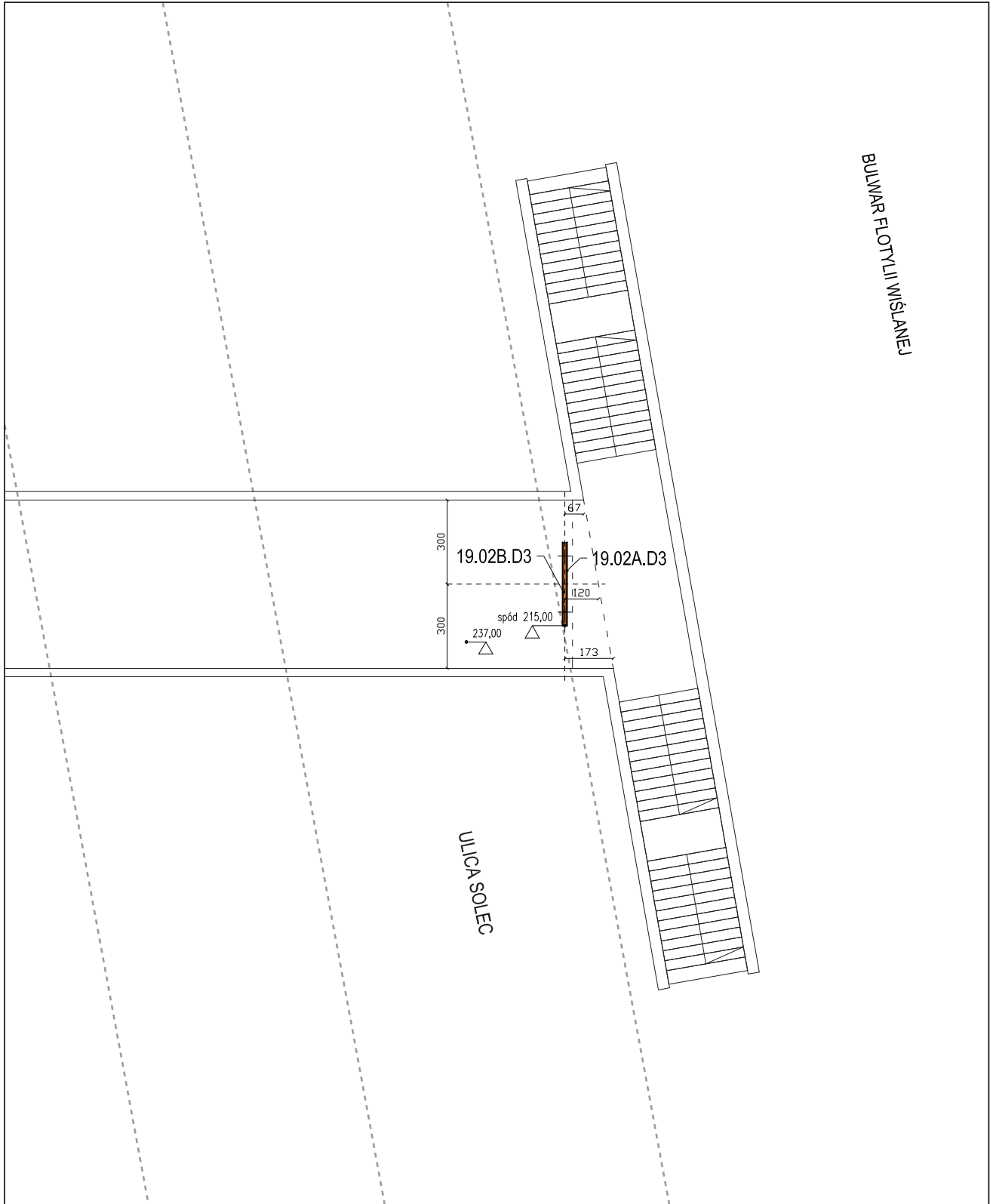
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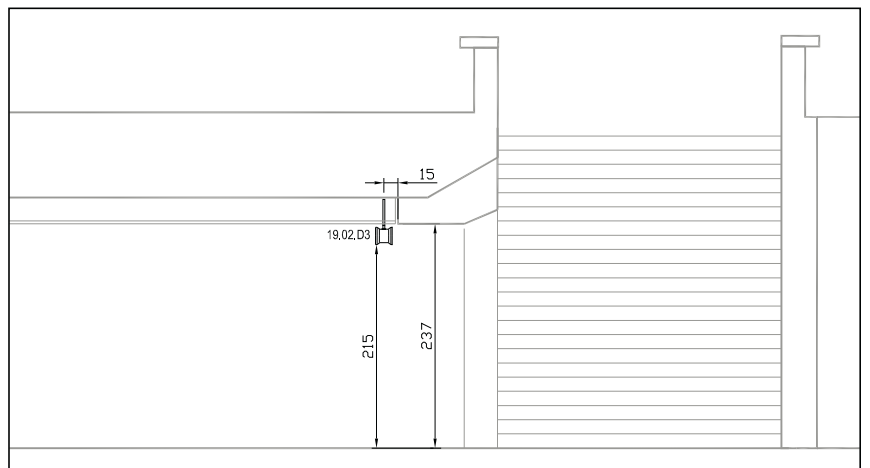
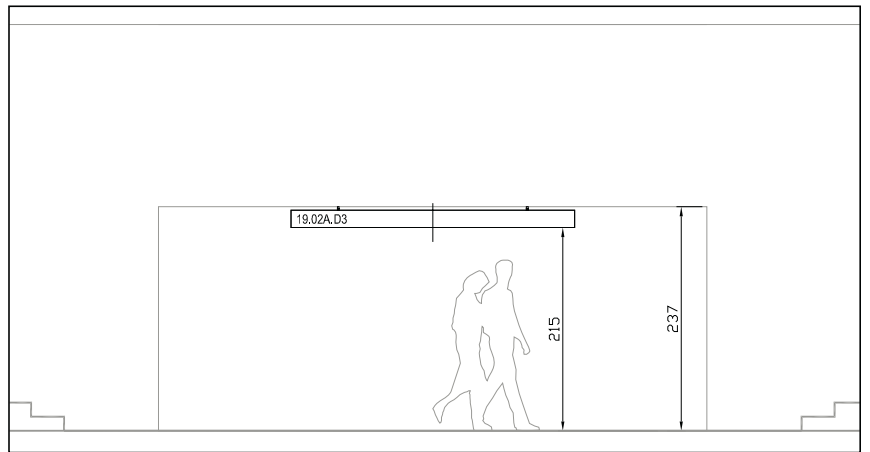
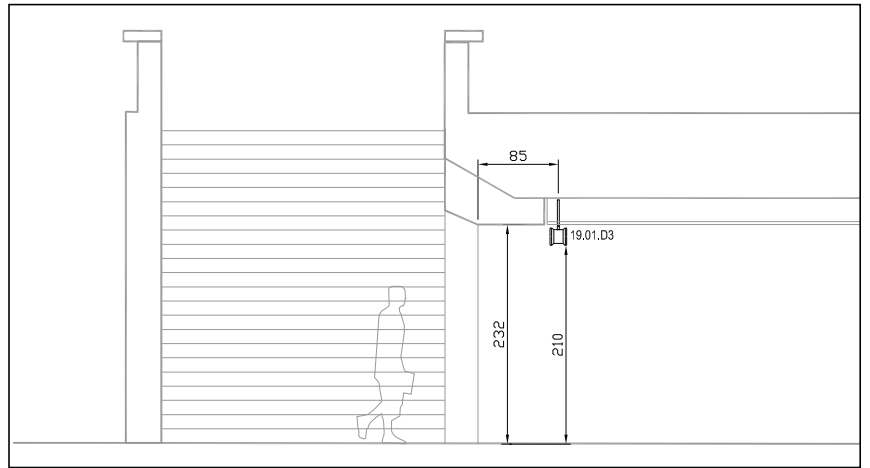
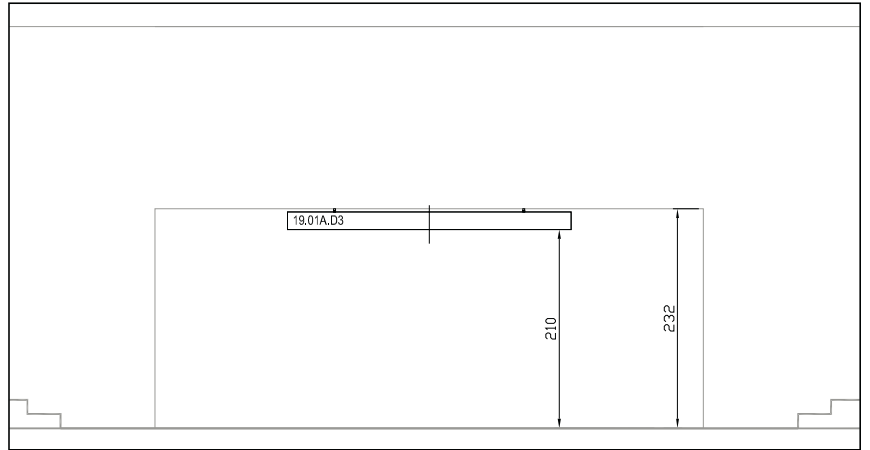


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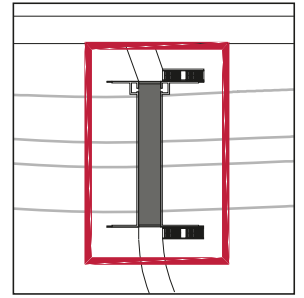
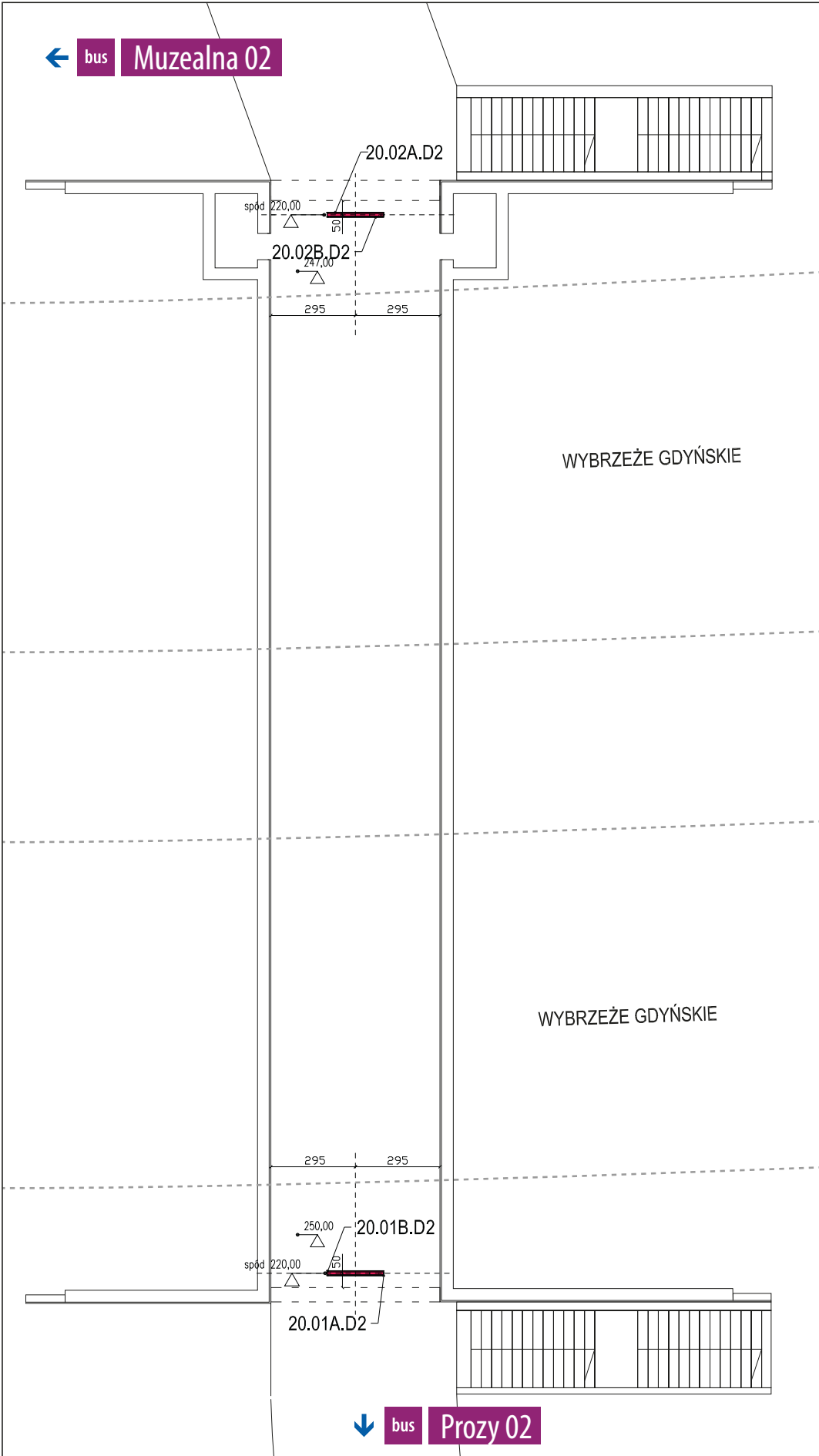




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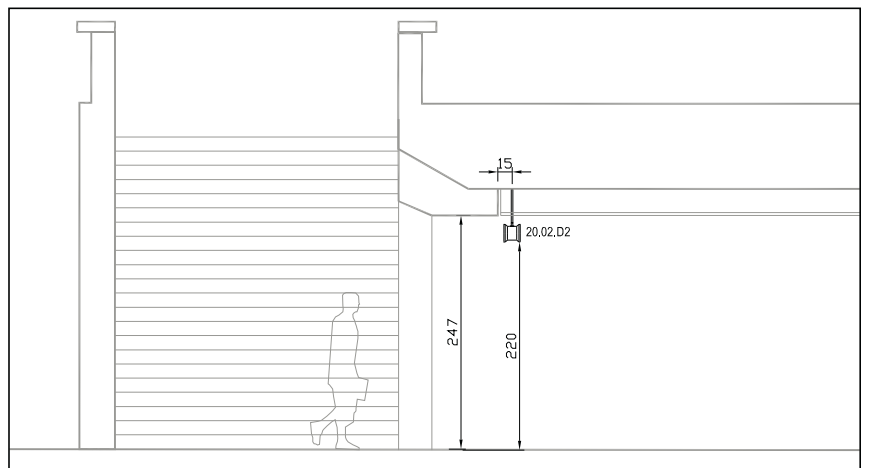
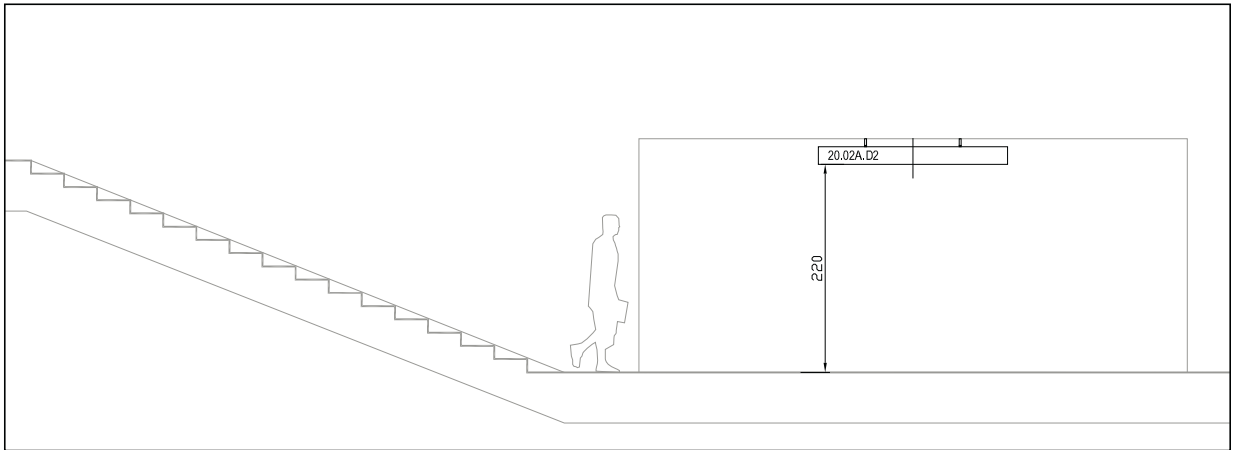
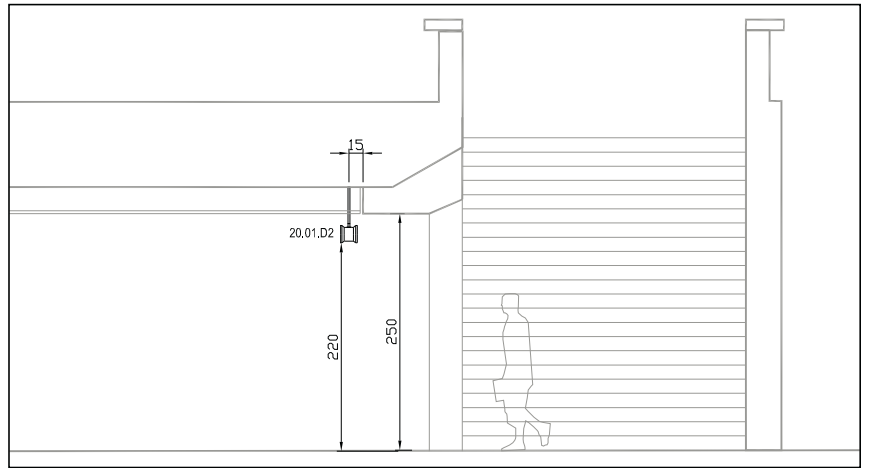
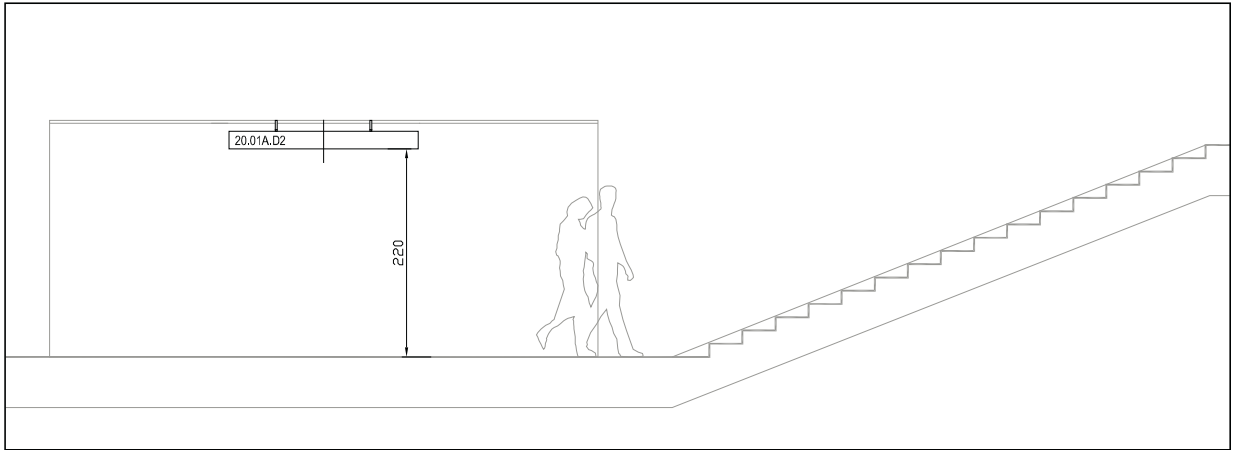
19.01A.D3	  kierunek direction Żoliborz  Bulwar Flotylli Wiślanej  Cypel Czerniakowski
19.01B.D3	  kierunek direction Centrum  Pomnik Chwała Saperom 
19.02A.D3	  kierunek direction Centrum  Pomnik Chwała Saperom
19.02B.D3	  kierunek direction Żoliborz  Bulwar Flotylli Wiślanej  Cypel Czerniakowski





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20.01A.D2



20.01B.D2



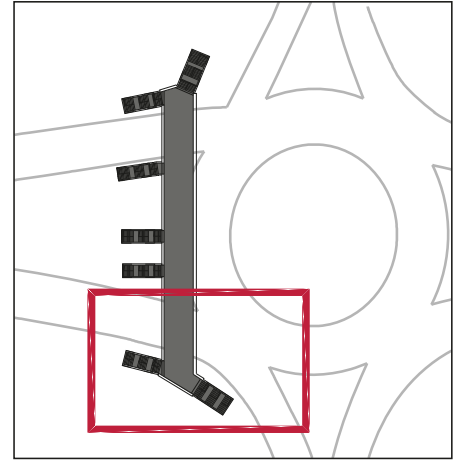
20.02A.D2



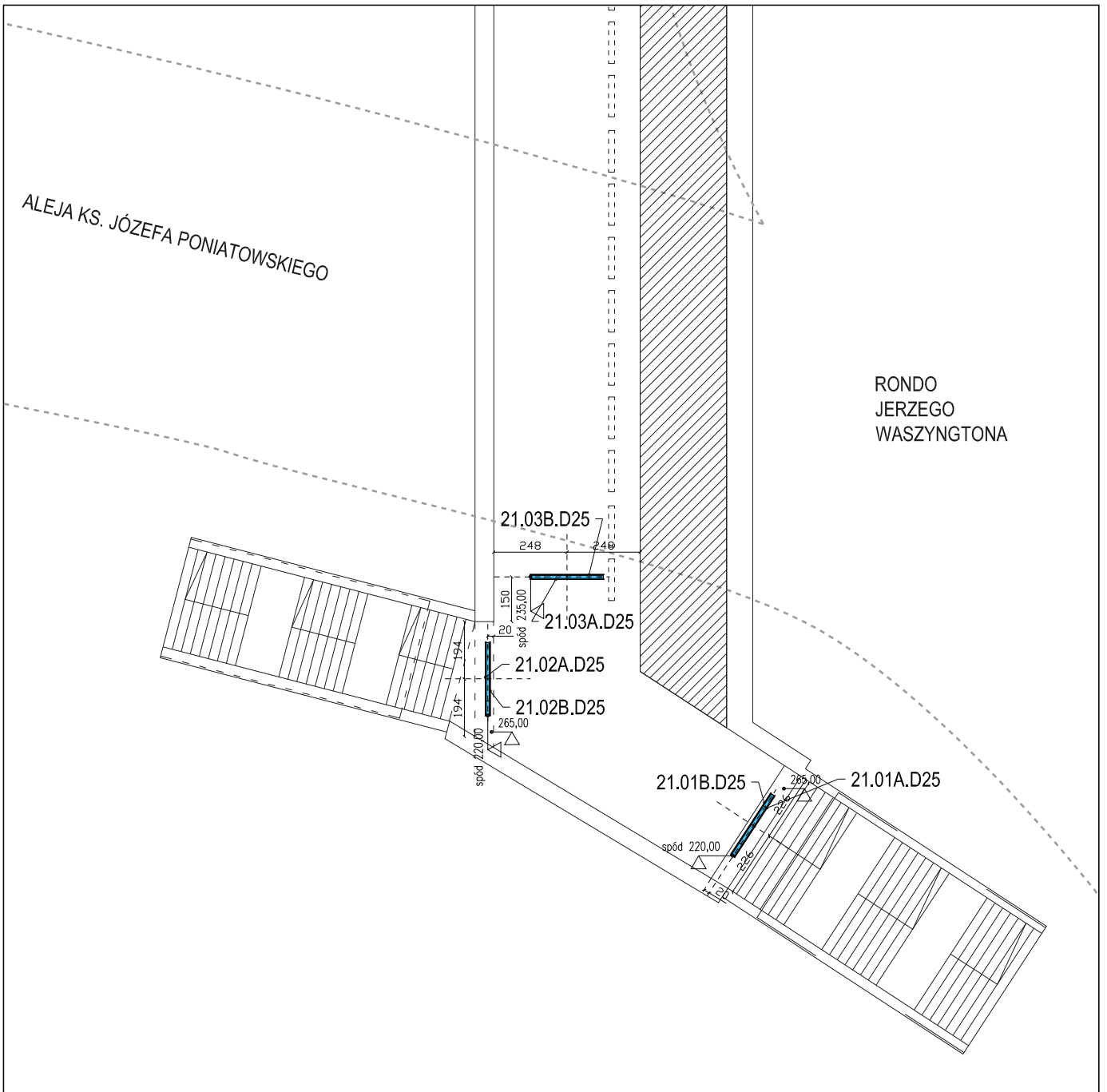
20.02B.D2



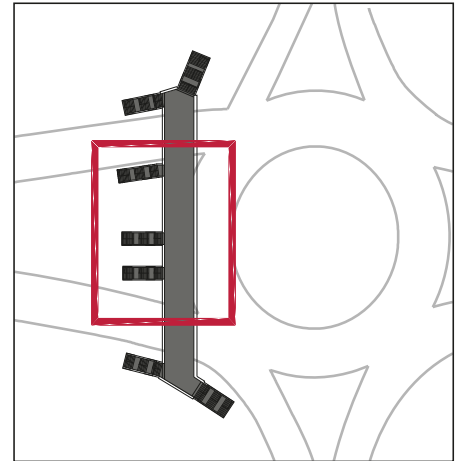
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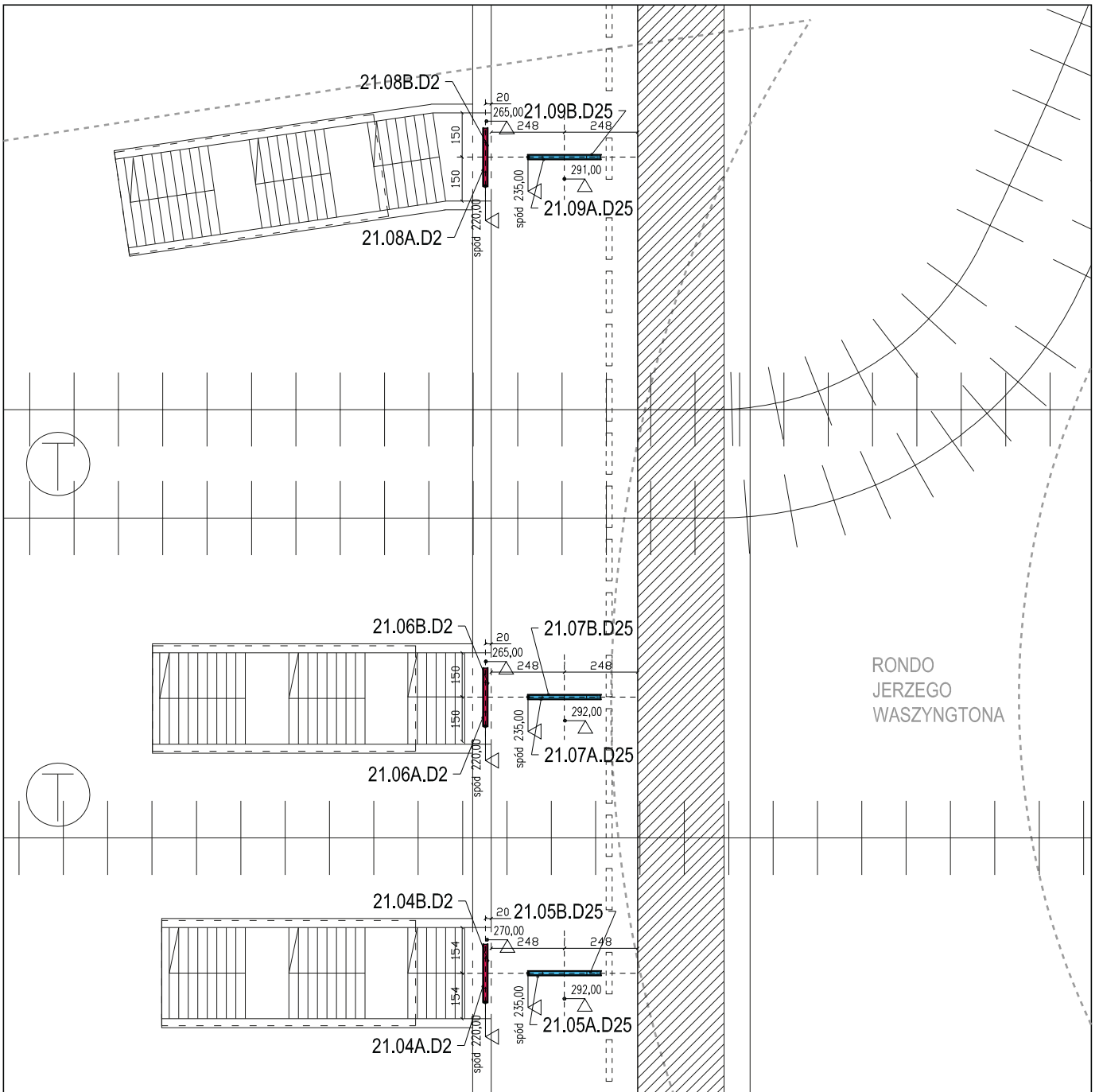
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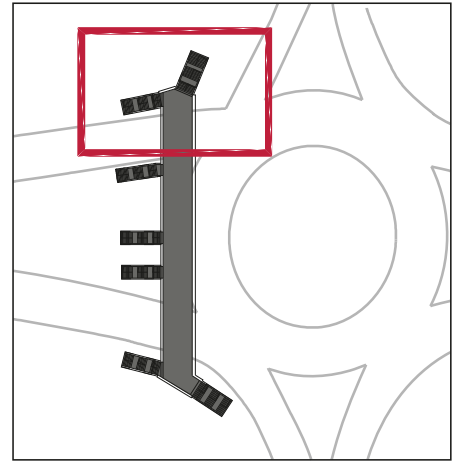
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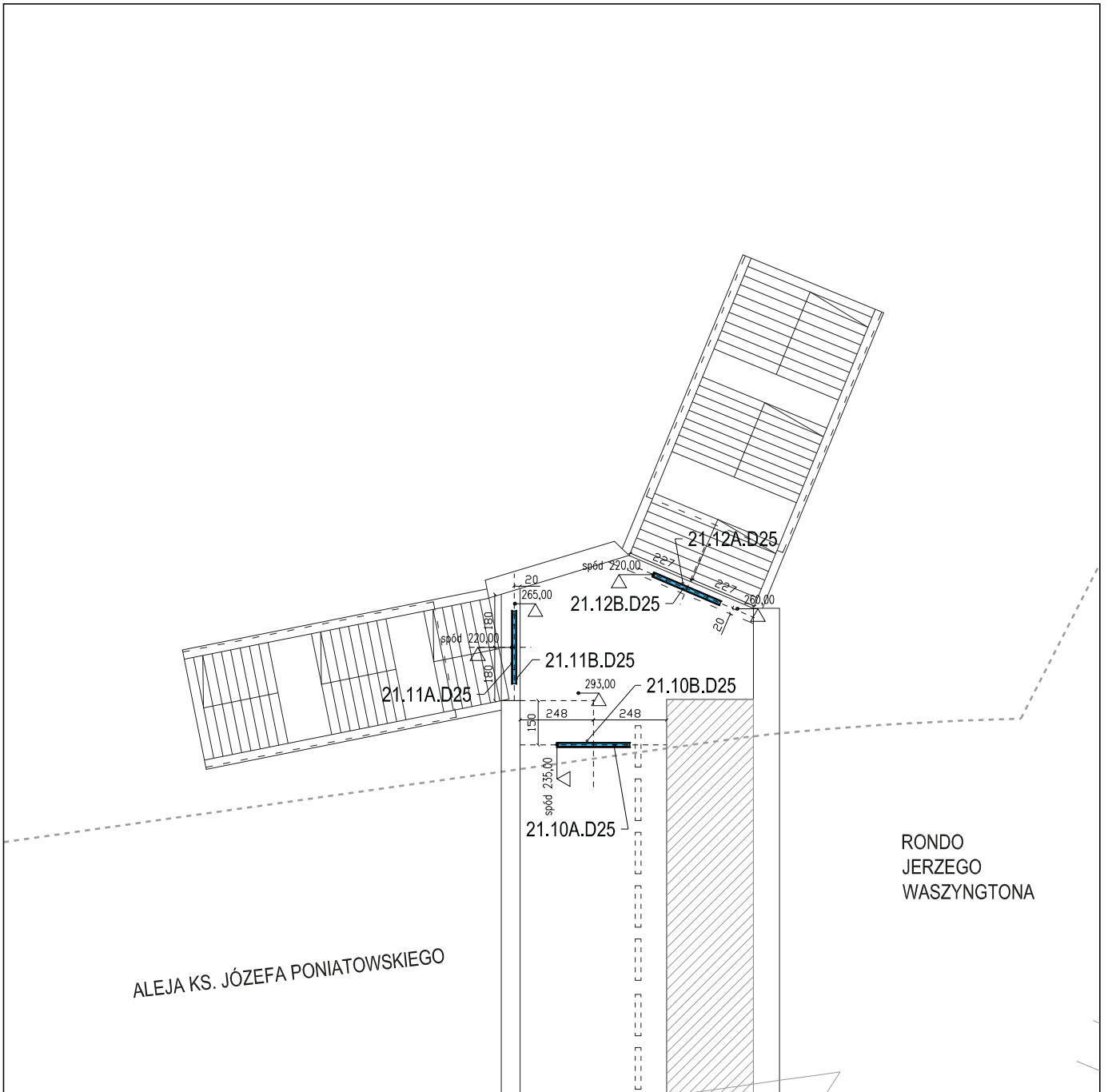
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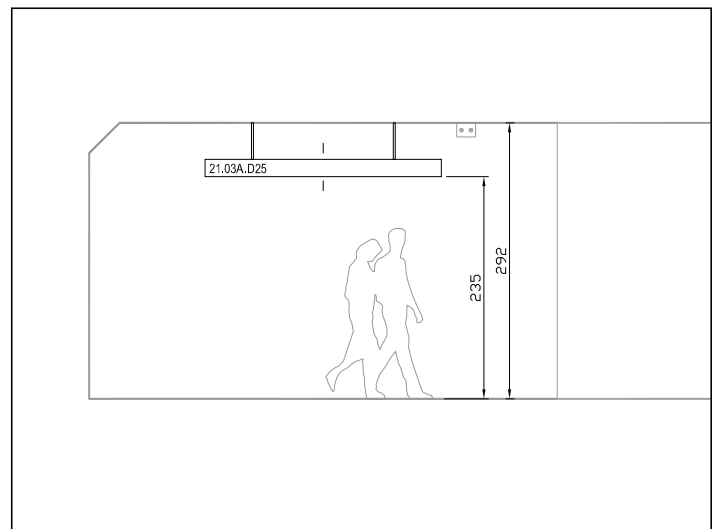
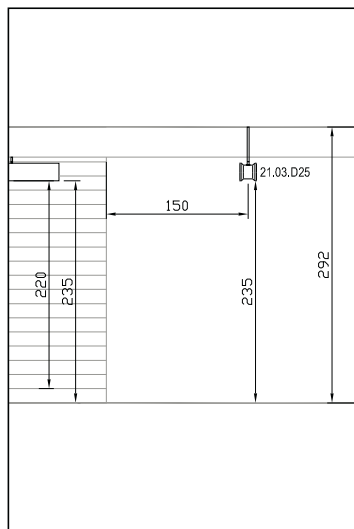
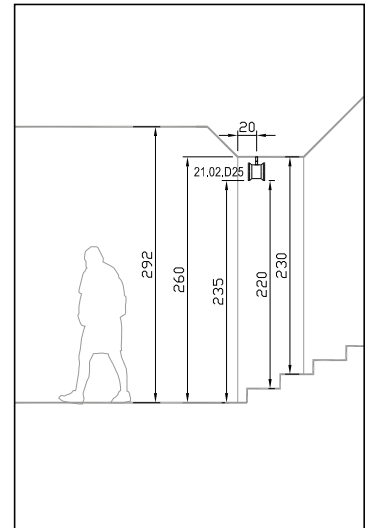
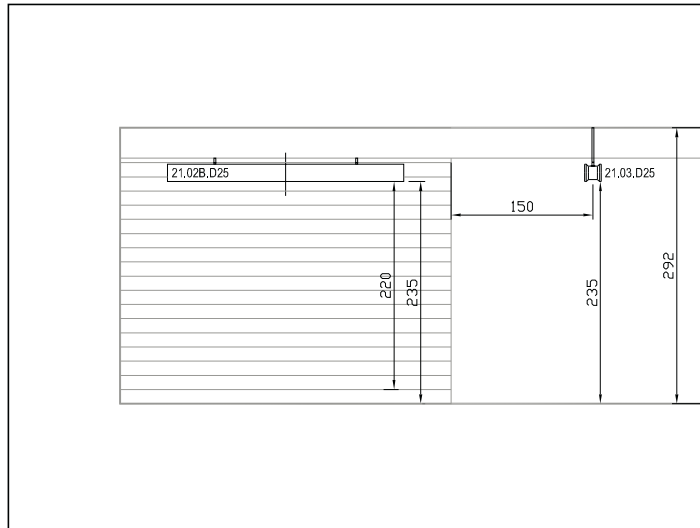
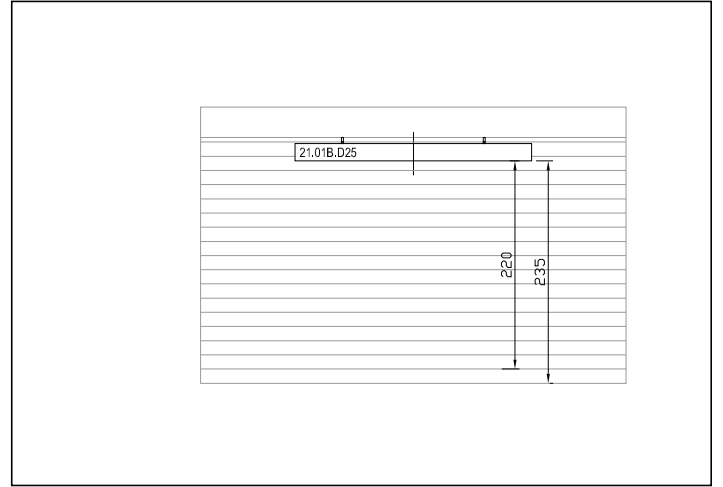
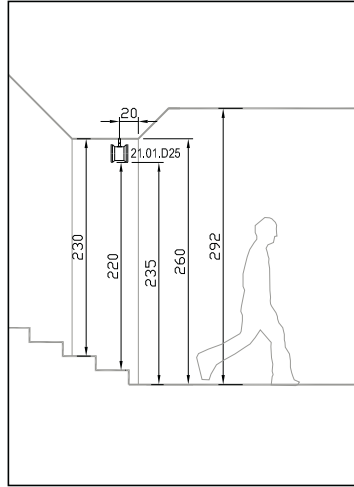


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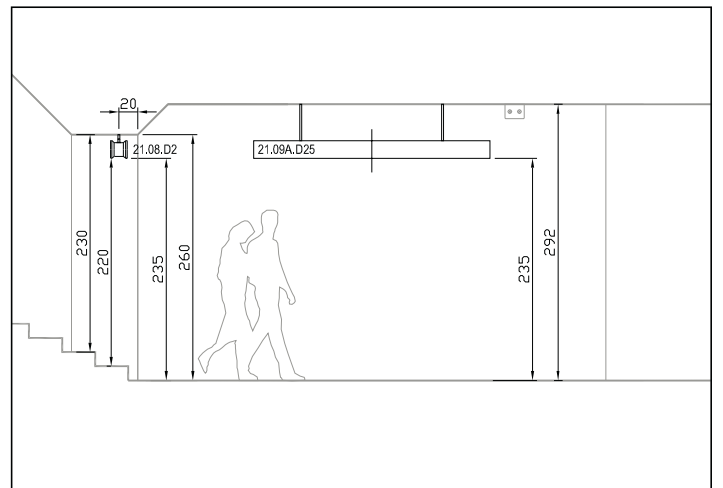
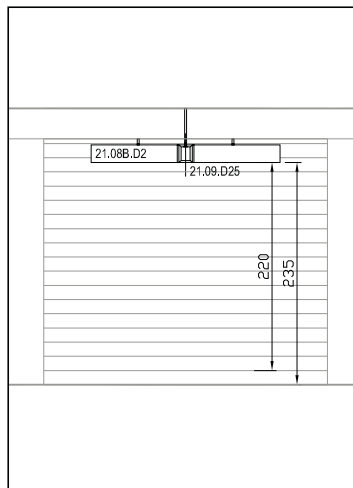
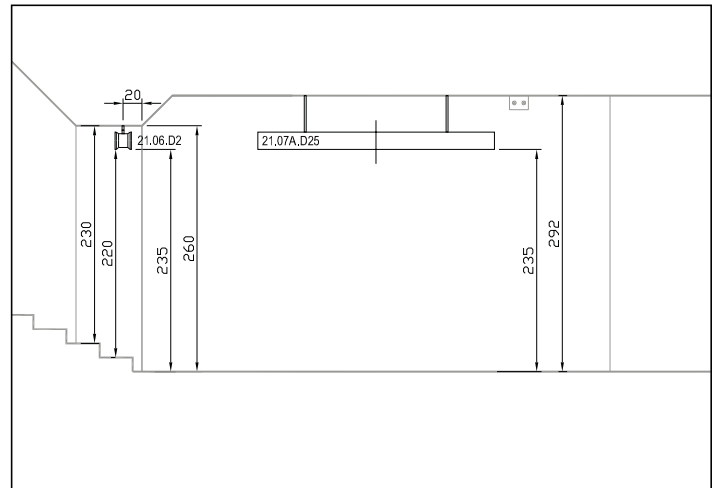
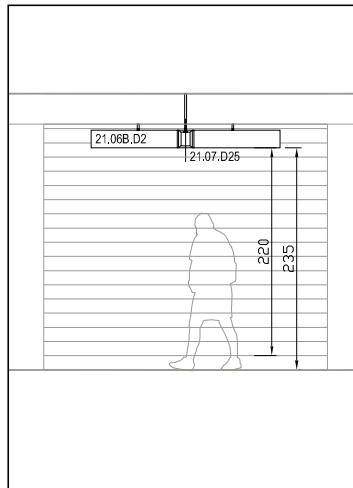
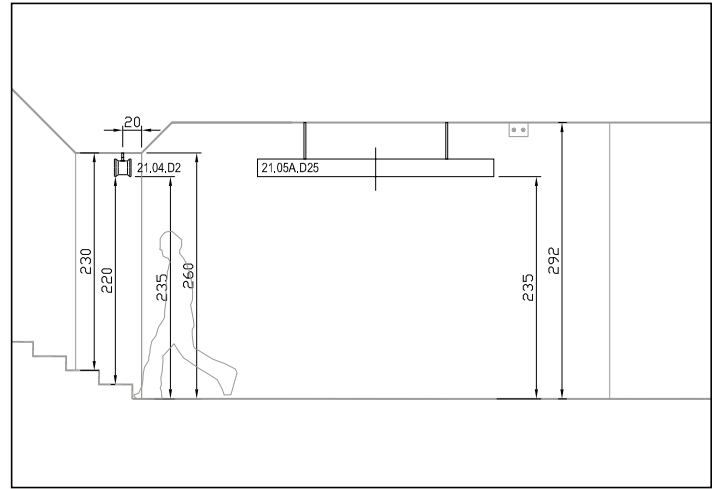
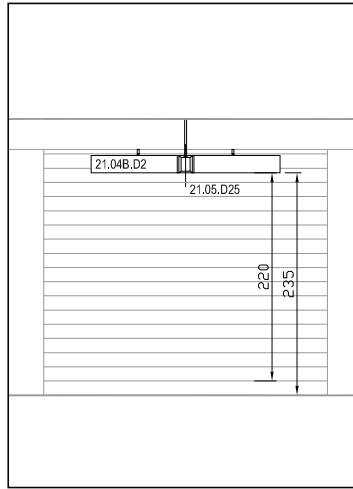


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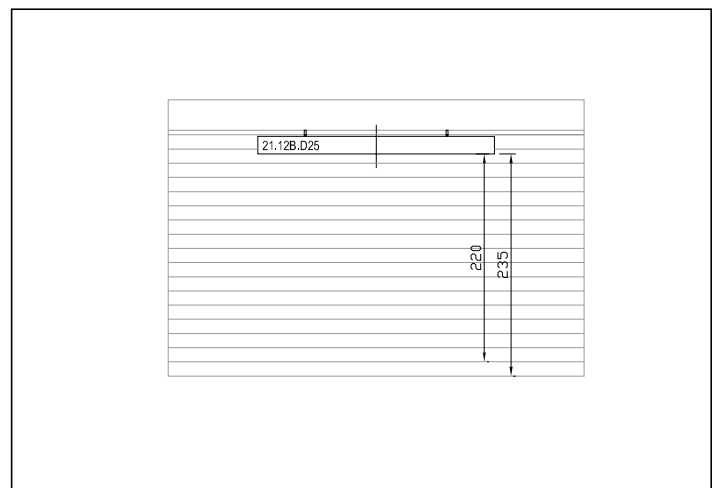
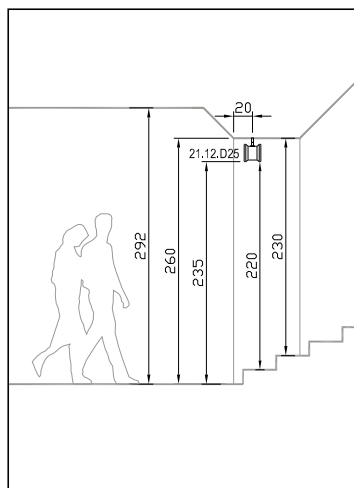
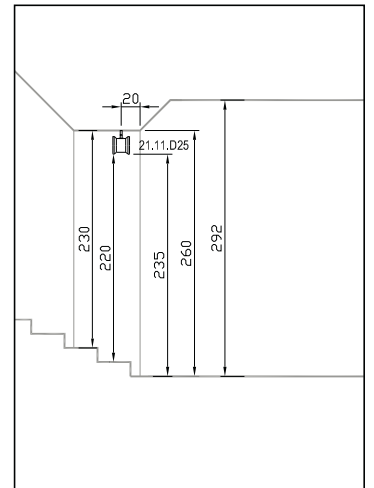
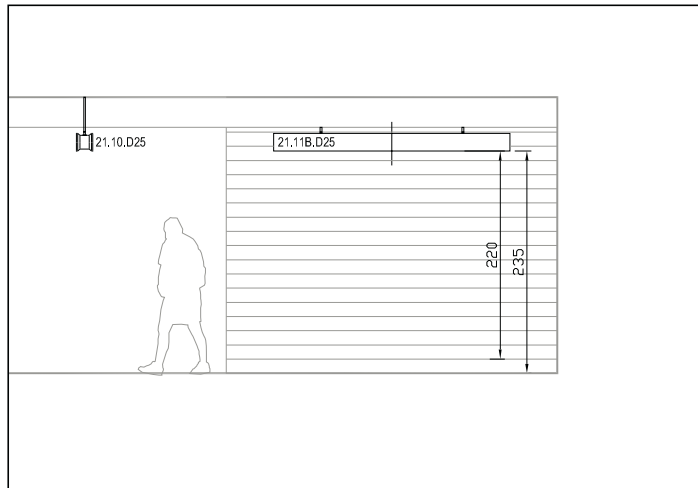
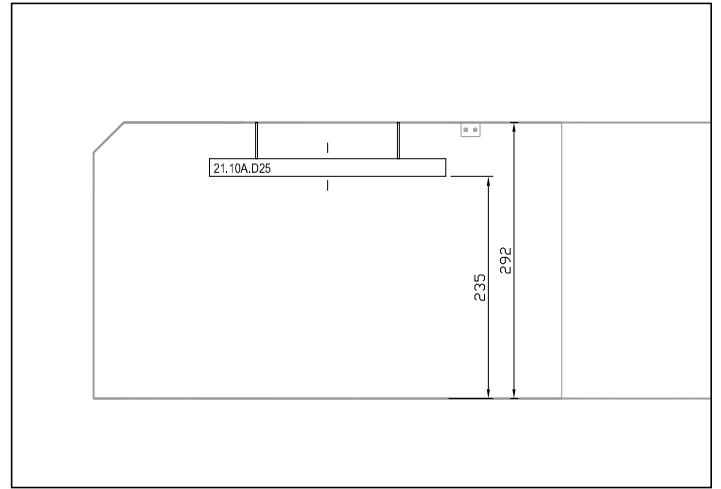
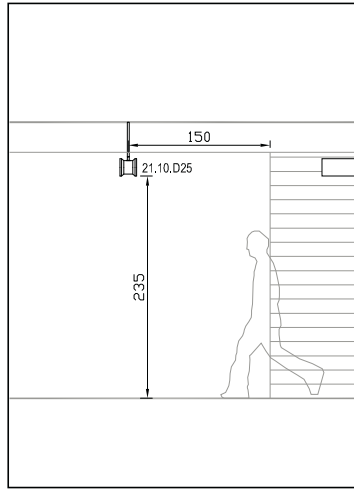


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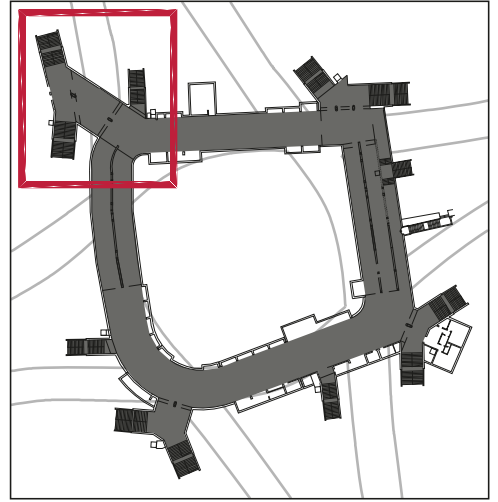


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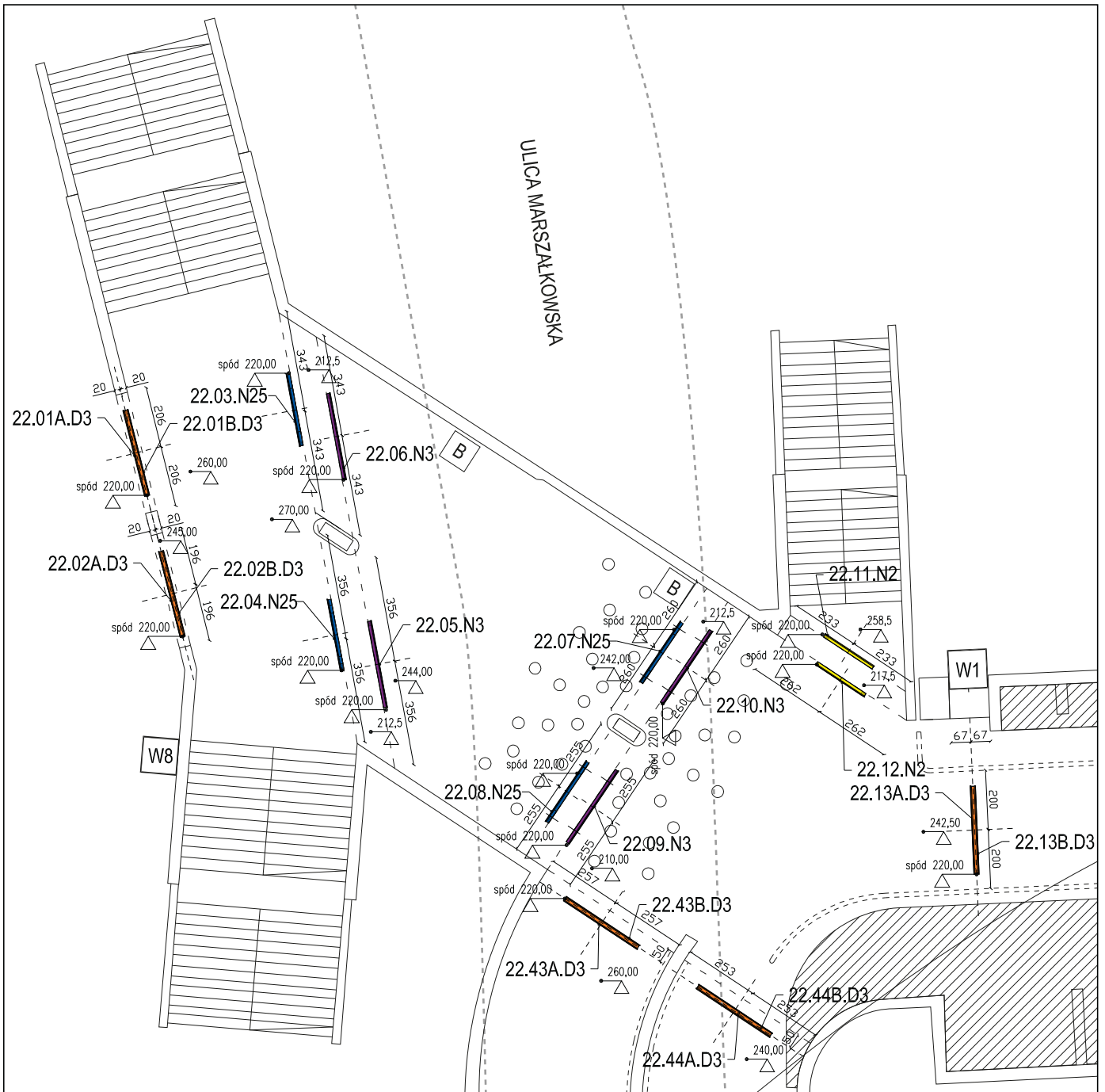
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21.01B.D25	↑ al. J. Waszyngtona	ul. Francuska →
21.02A.D25	  kierunek direction Praga-Pn., Grochów   kierunek direction Centrum  Stadion Narodowy	
21.02B.D25	↑ Aleja Księcia Józefa Poniatowskiego  kierunek direction Saska Kępa, Grochów	
21.03A.D25	↑  kierunek direction Praga-Pn., Grochów   kierunek direction Centrum  Stadion Narodowy	
21.03B.D25	← ul. Francuska, al. J. Waszyngtona	 kierunek direction Saska Kępa, Grochów →
21.04A.D2	←  Stadion Narodowy	 
21.04B.D2	 kierunek direction Grochów	
21.05A.D25	←  kierunek direction Grochów	 kierunek direction Praga-Pn.   kierunek direction Centrum  ↑
21.05B.D25	↑  kierunek direction Saska Kępa, Grochów	 kierunek direction Grochów →
21.06A.D2	←  Stadion Narodowy	 
21.06B.D2	 kierunek direction Praga-Pn.	

21.07A.D25	  kierunek direction Praga-Pn.	  kierunek direction Centrum	 Stadion Narodowy 
21.07B.D25	  kierunek direction Grochów	 kierunek direction Saska Kępa, Grochów	 kierunek direction Praga-Pn. 
21.08A.D2	  Stadion Narodowy	 	
21.08B.D2	 kierunek direction Centrum		
21.09A.D25	  kierunek direction Centrum	 kierunek direction Centrum	 Stadion Narodowy 
21.09B.D25	  kierunek direction Praga-Pn., Grochów	 kierunek direction Saska Kępa, Grochów	 kierunek direction Centrum 
21.10A.D25	  kierunek direction Centrum	 Stadion Narodowy	Park Skaryszewski 
21.10B.D25	  kierunek direction Centrum, Praga-Pn., Grochów	 kierunek direction Saska Kępa, Grochów	
21.11A.D25	 kierunek direction Centrum, Praga-Pn., Grochów	 kierunek direction Saska Kępa, Grochów	
21.11B.D25	  kierunek direction Centrum	 Stadion Narodowy	
21.12A.D25	  kierunek direction Centrum, Praga-Pn., Grochów	 kierunek direction Saska Kępa, Grochów	
21.12B.D25	 al. Zieleniecka	Park Skaryszewski 	

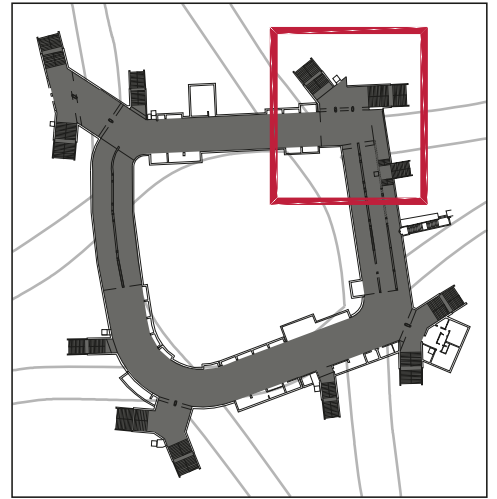
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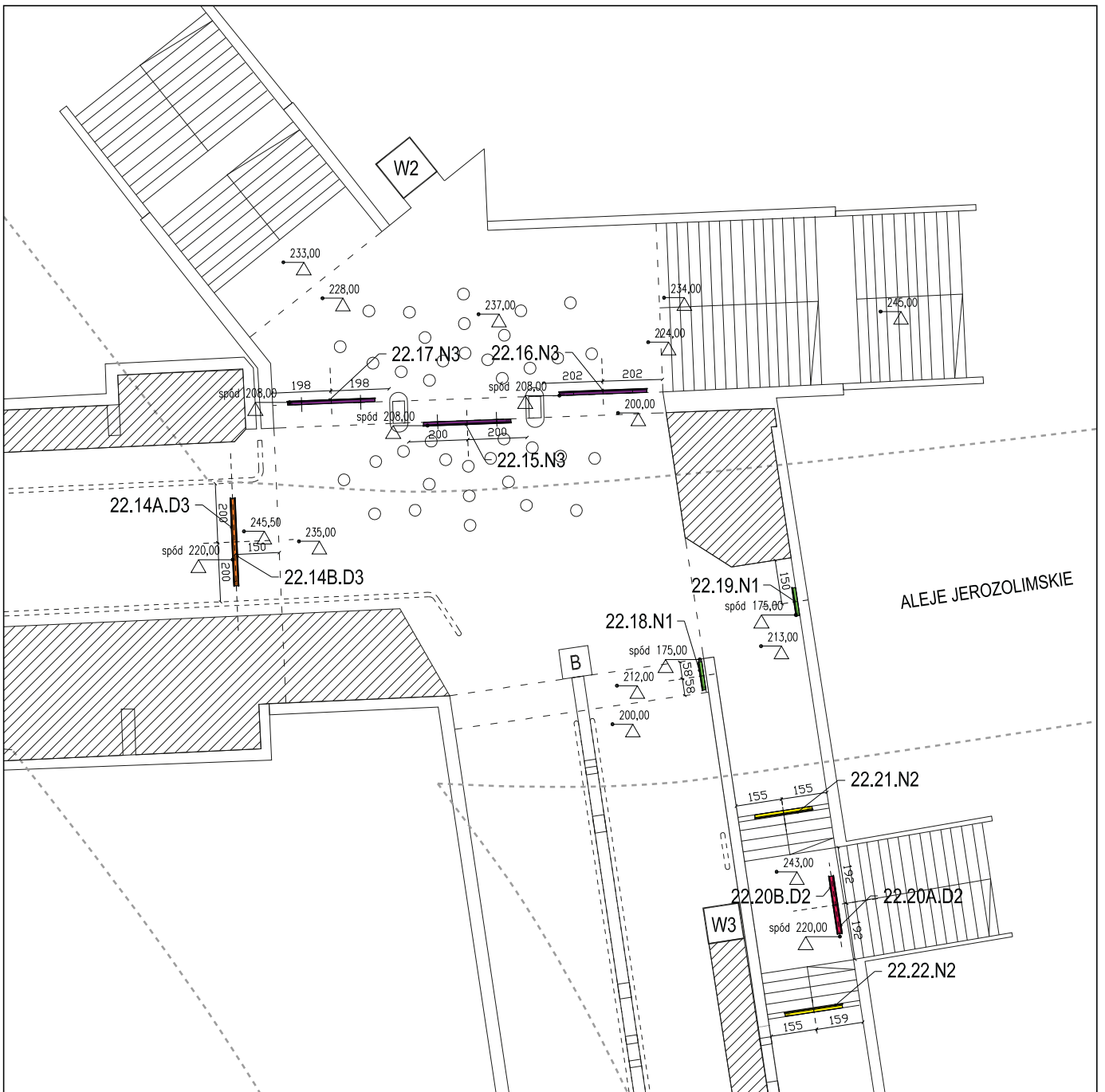
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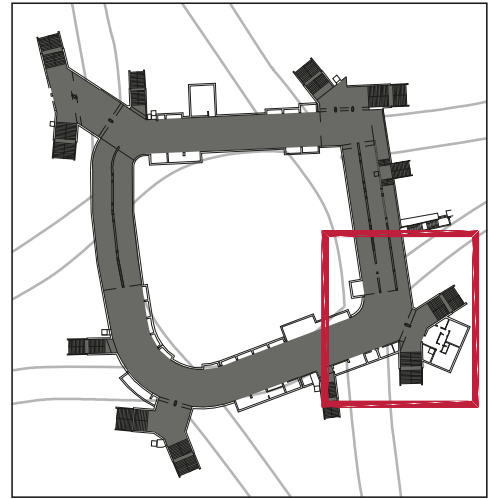
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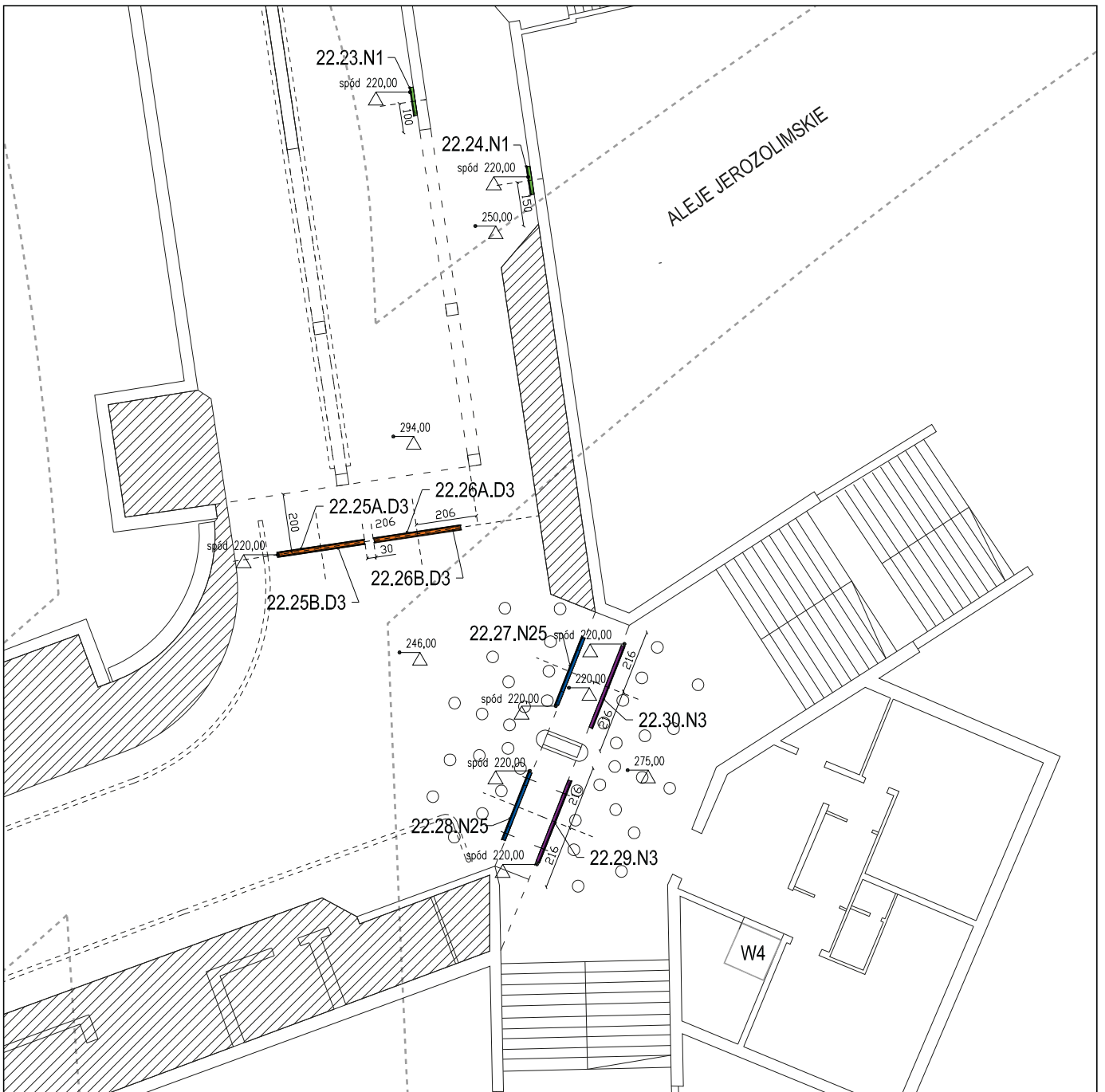
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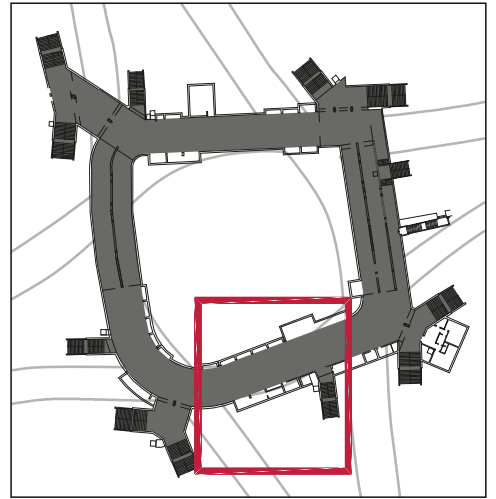
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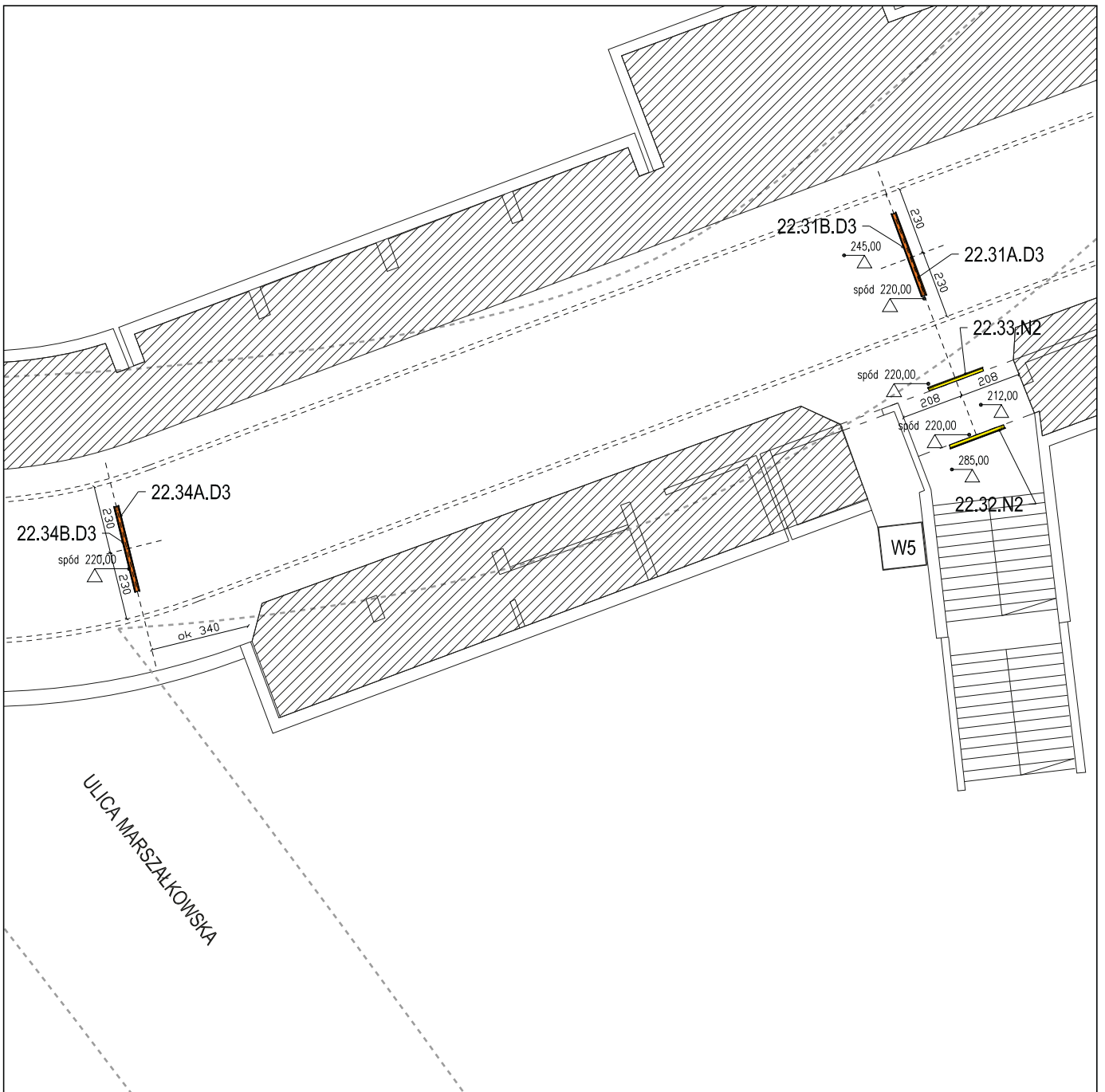
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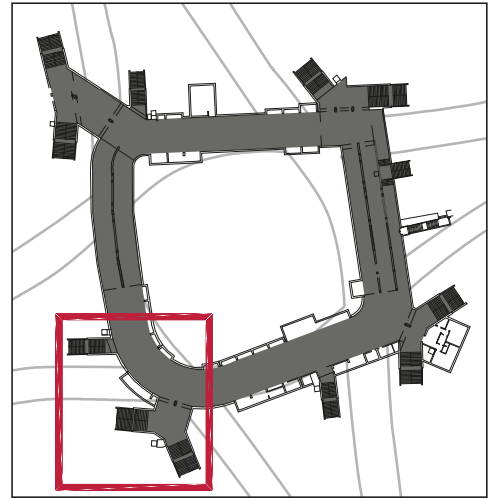
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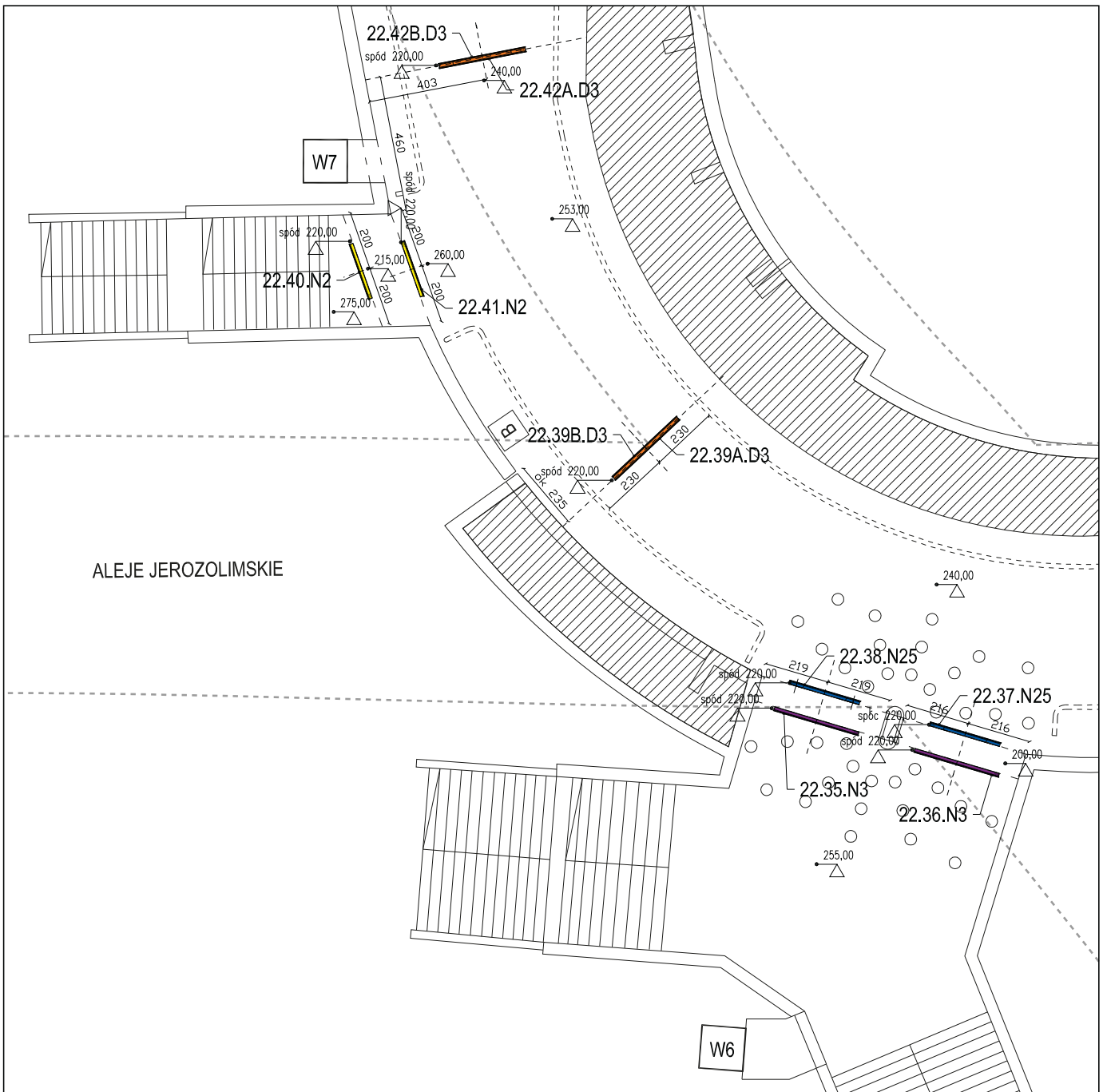
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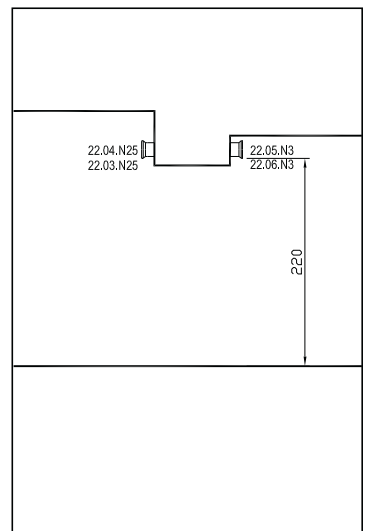
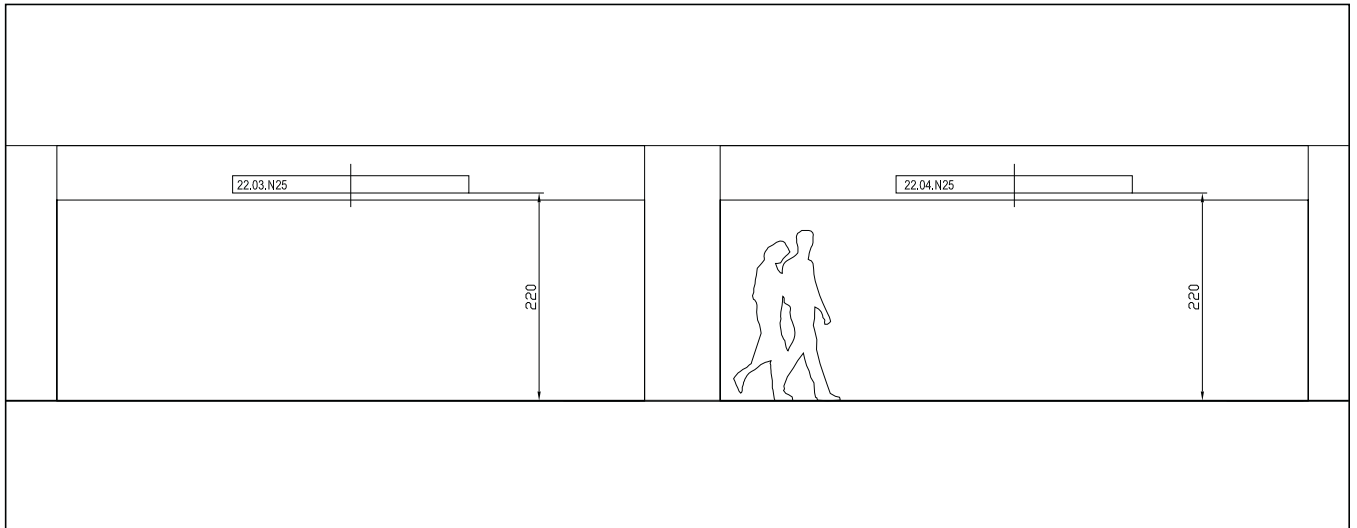
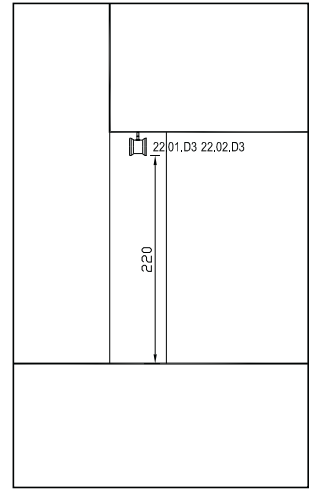
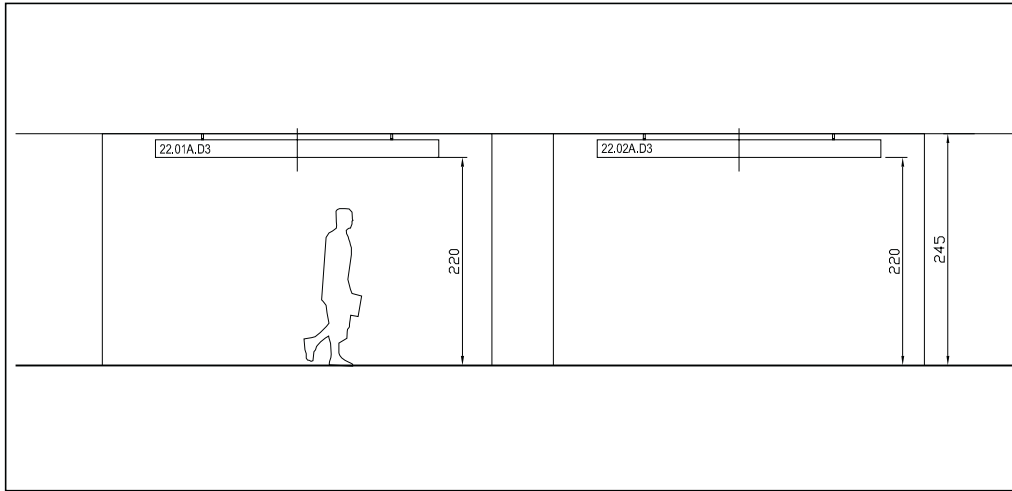
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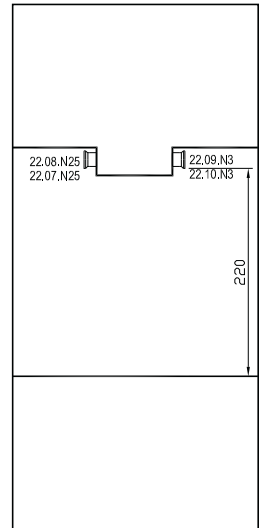
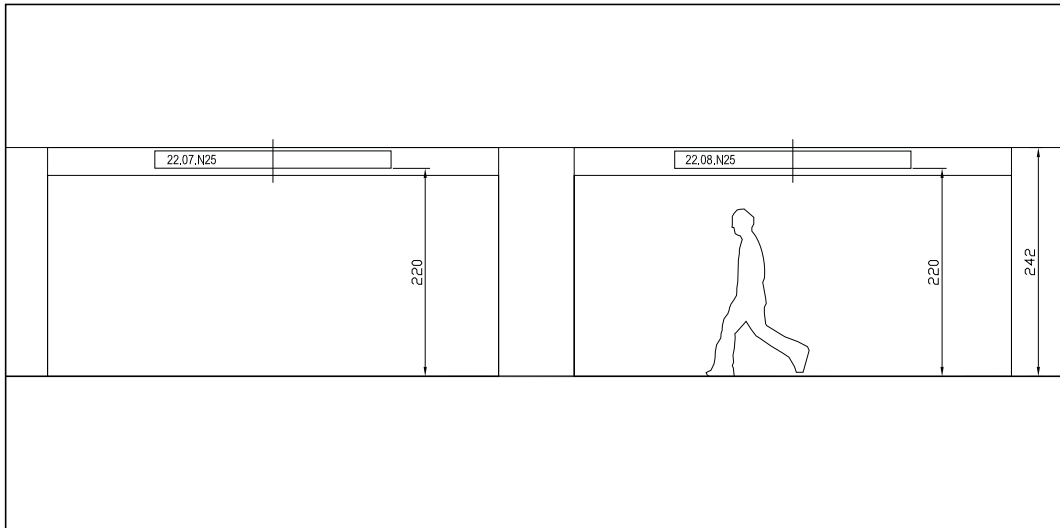
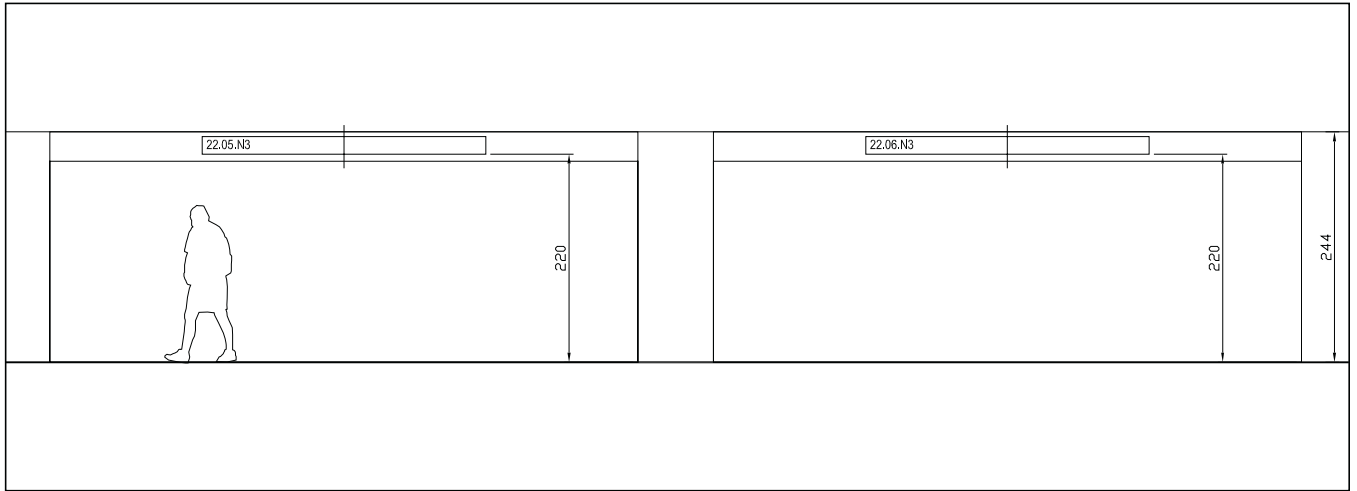
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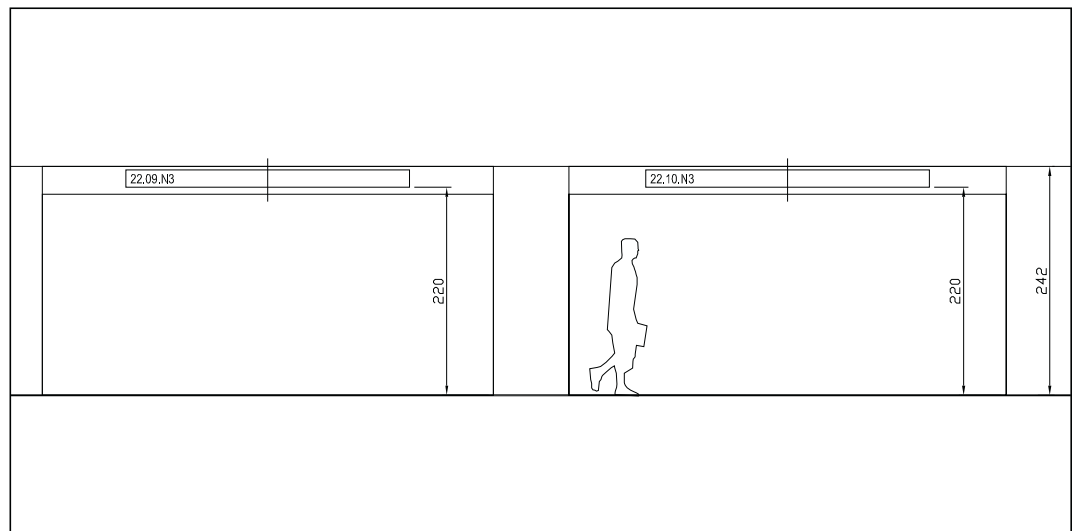


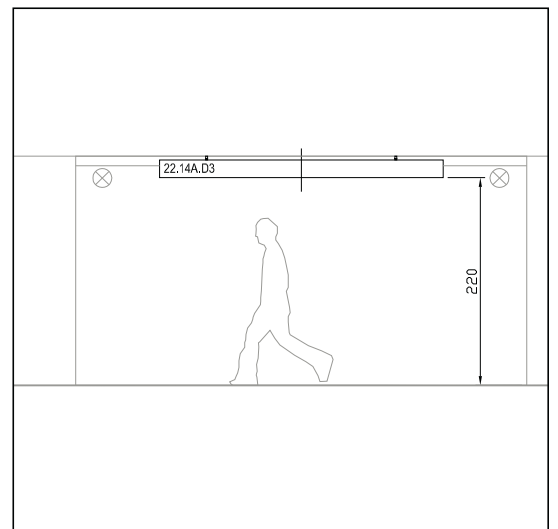
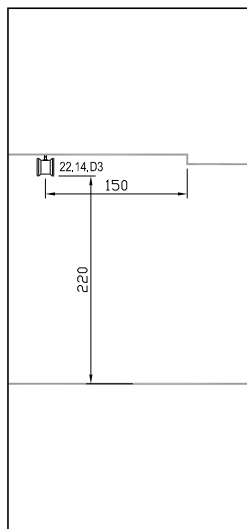
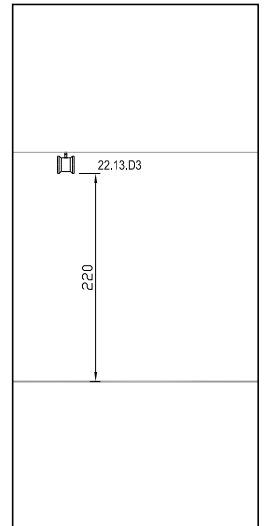
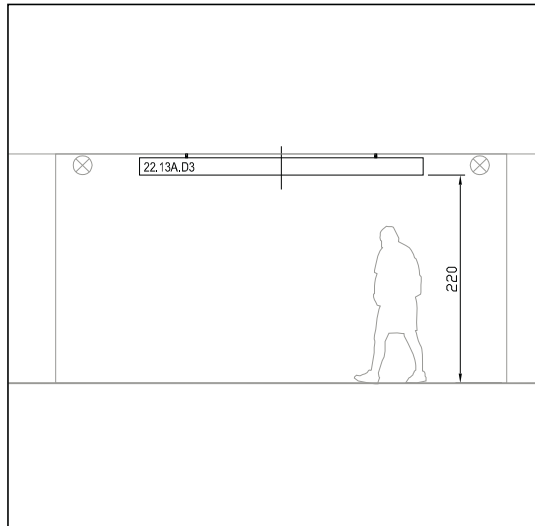
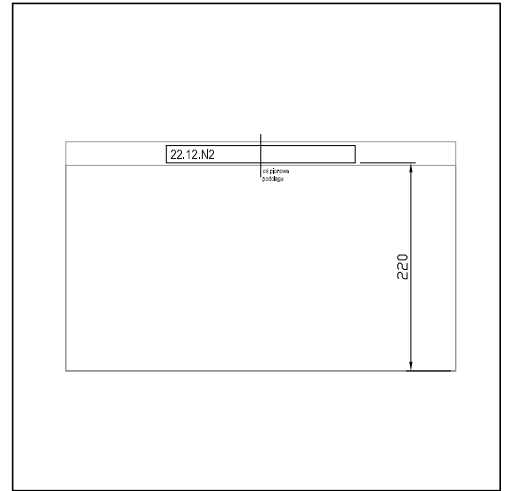
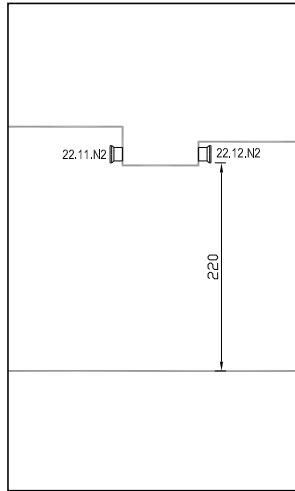
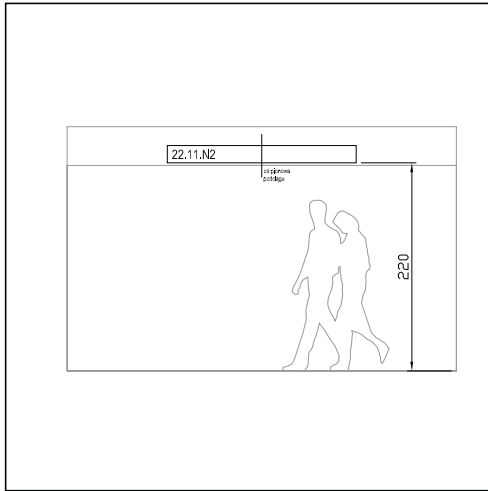


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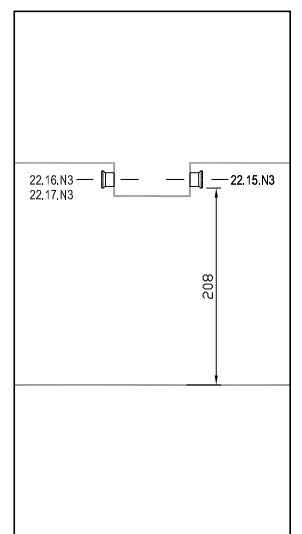
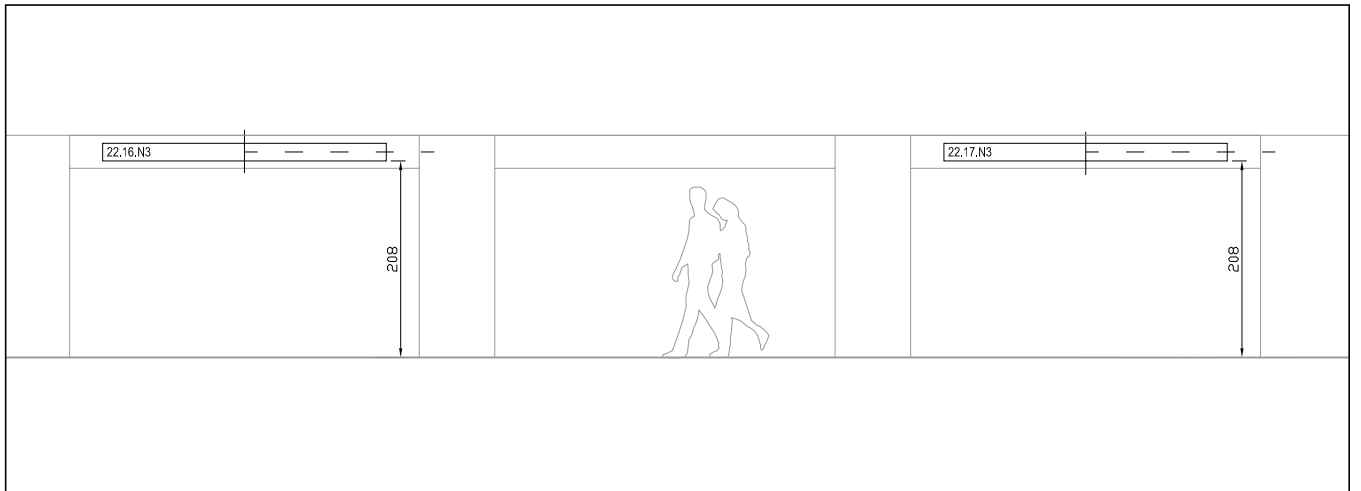
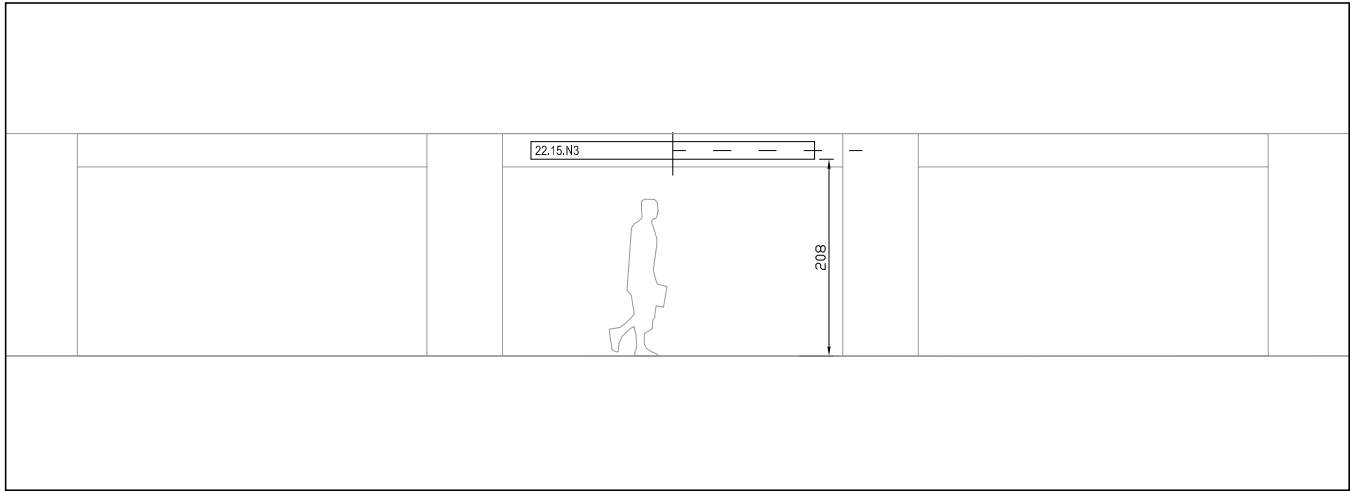


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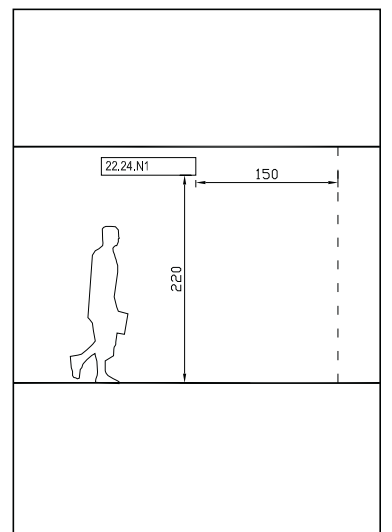
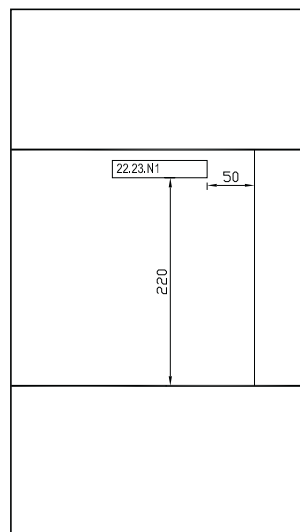
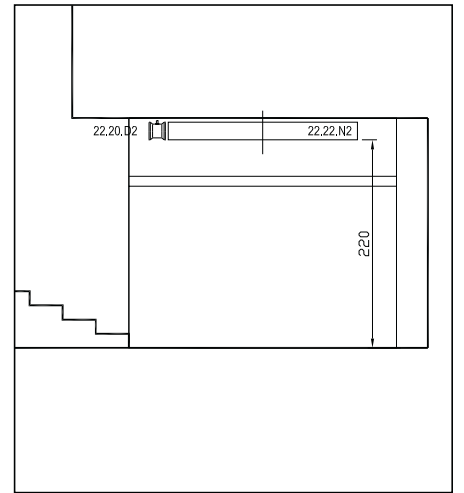
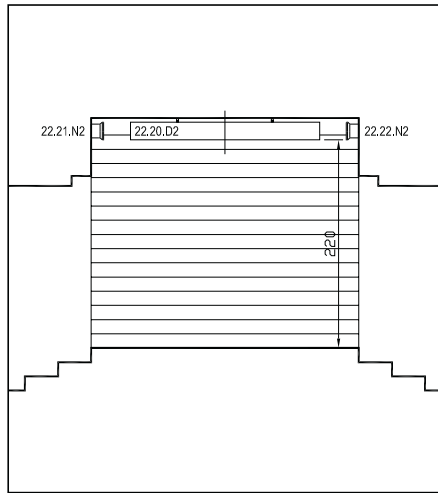
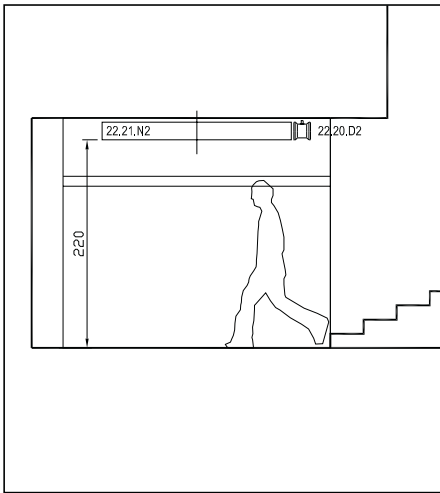
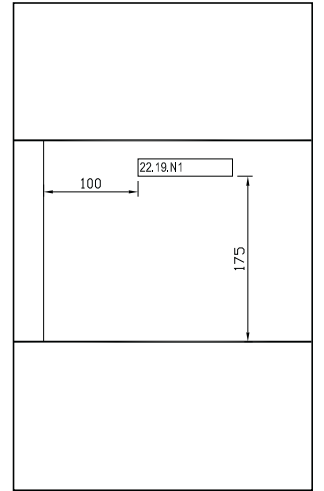
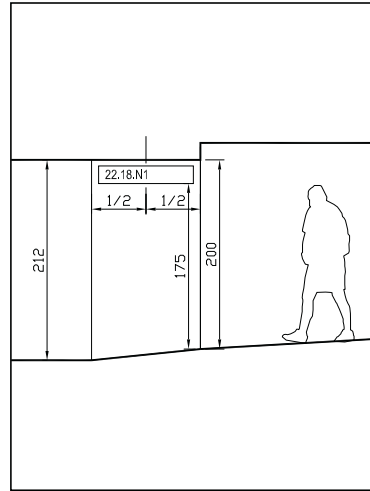




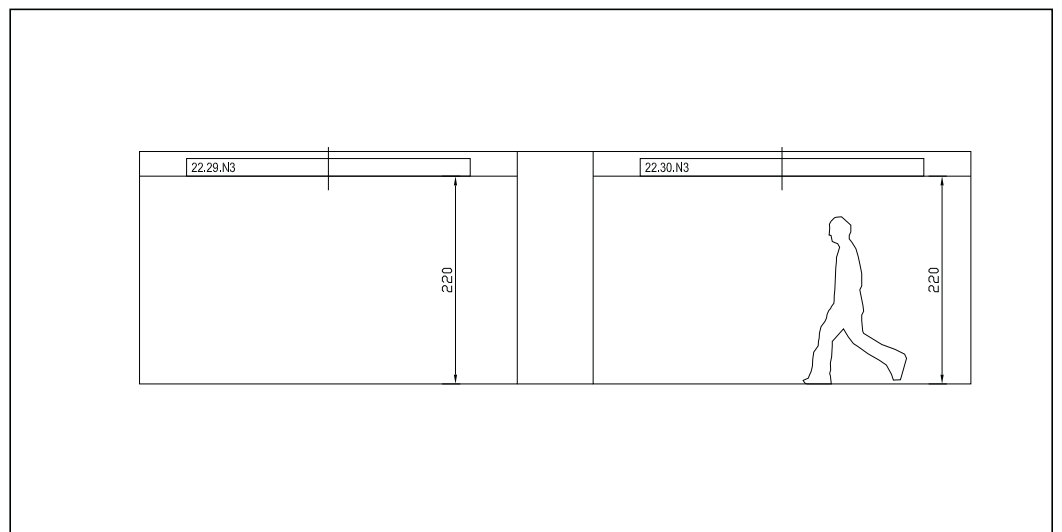
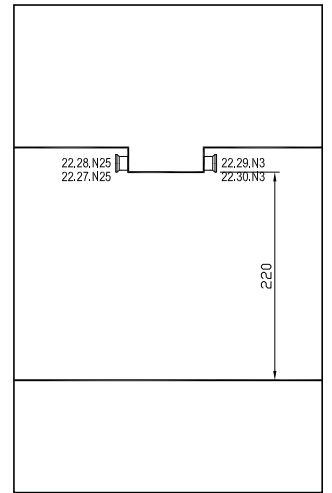
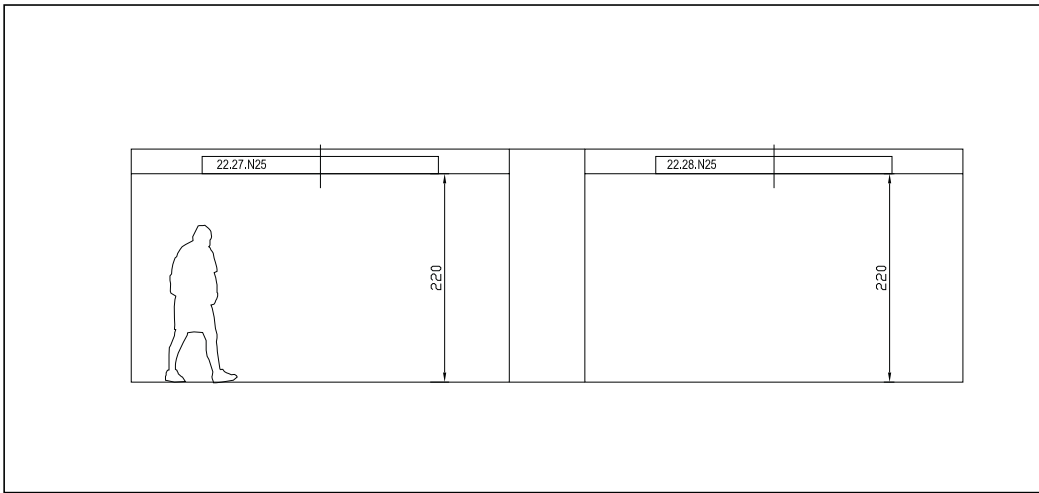
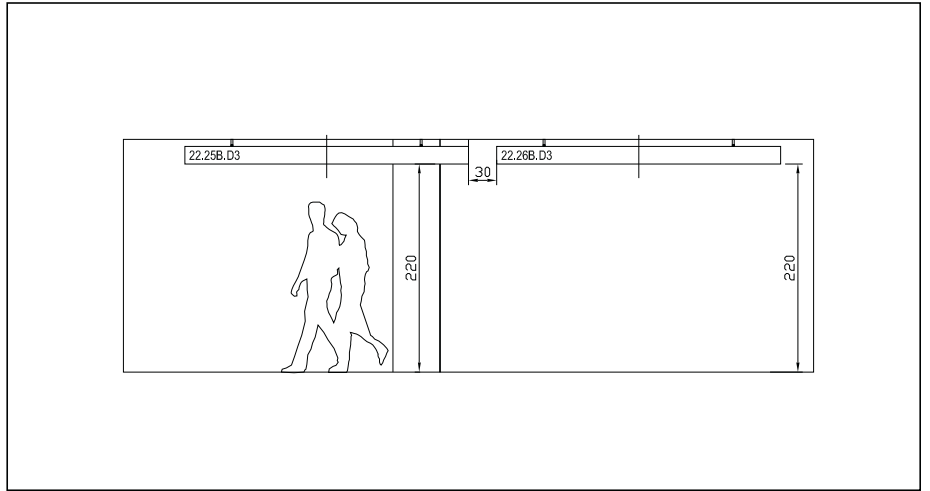
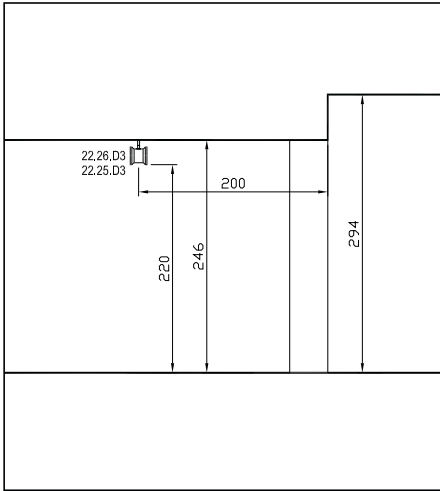
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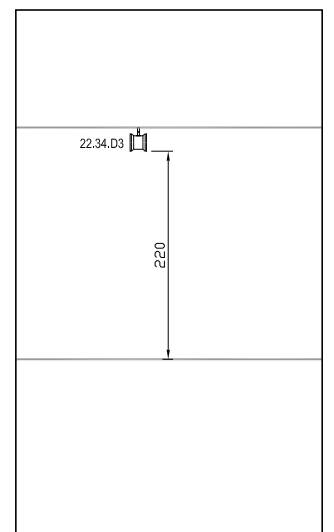
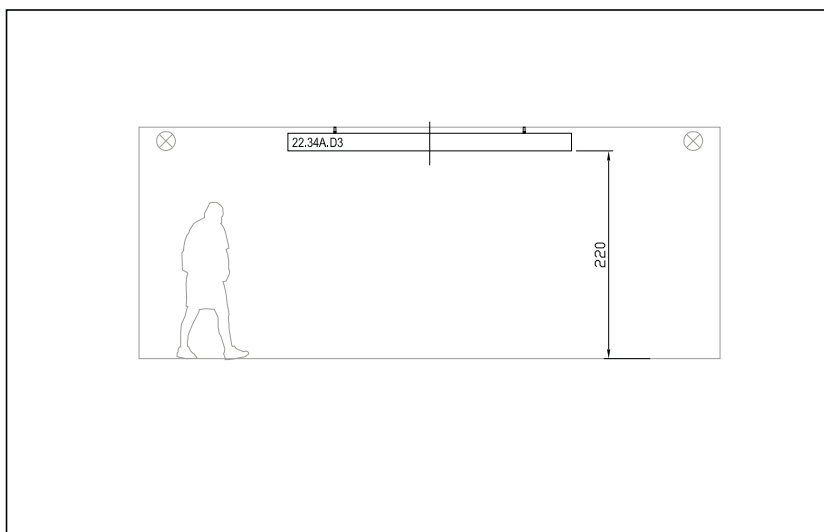
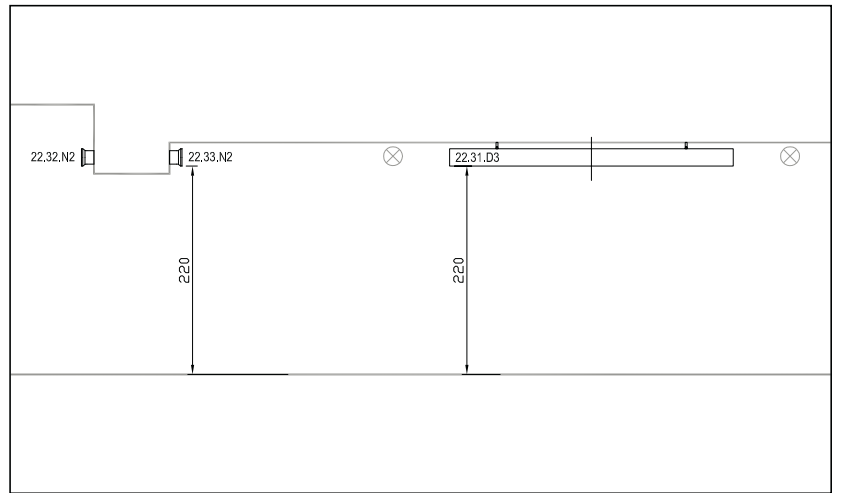
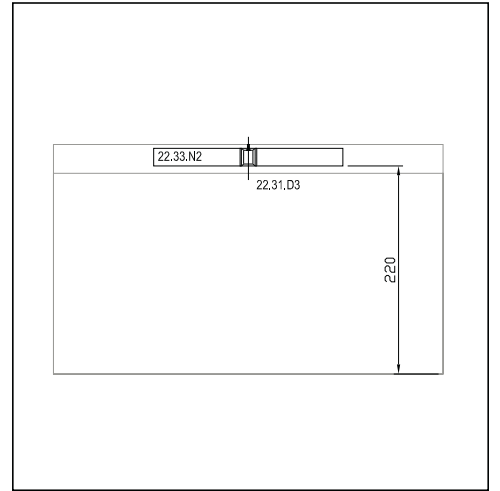
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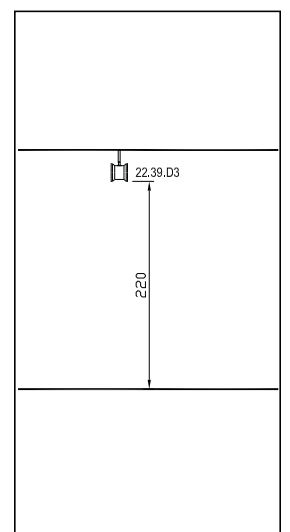
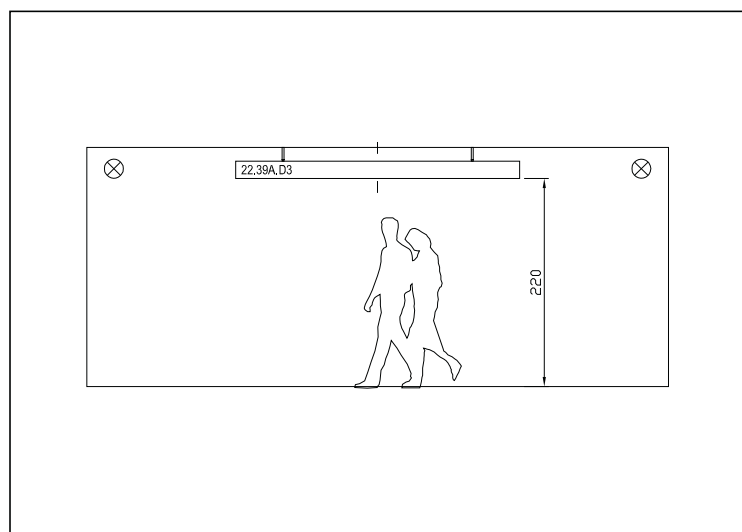
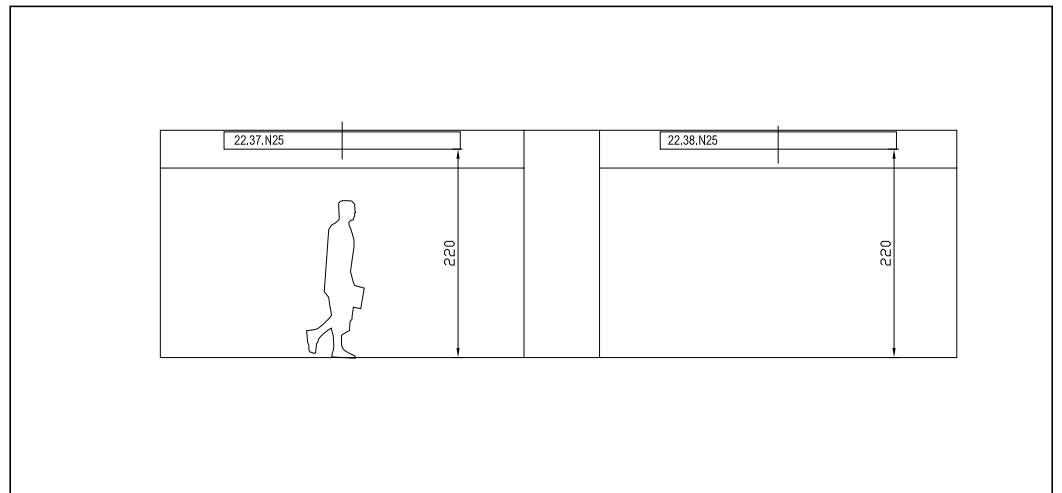
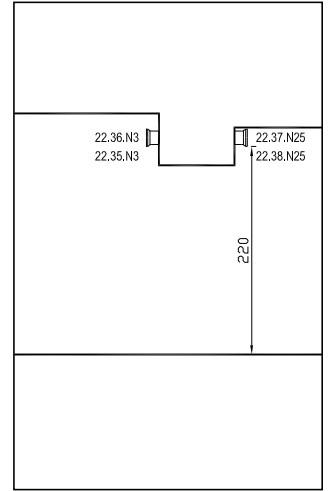
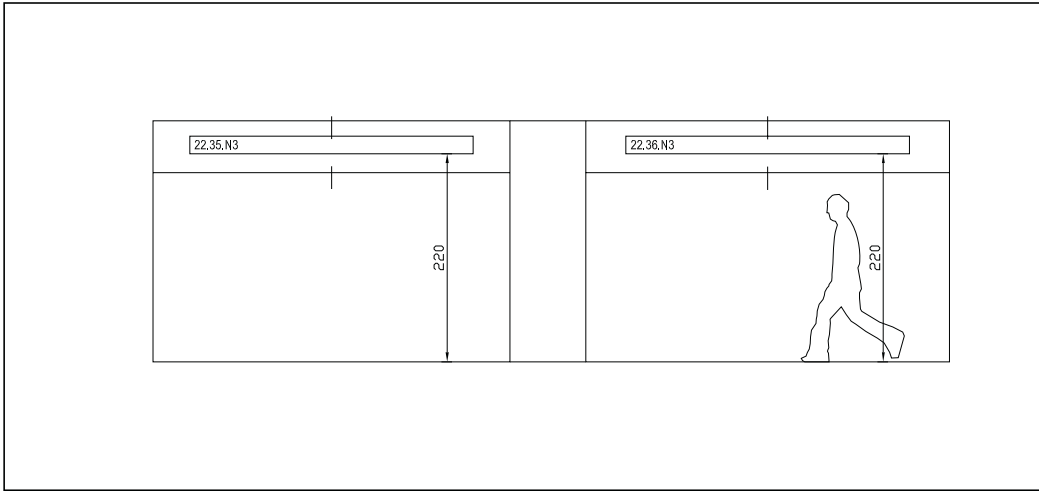
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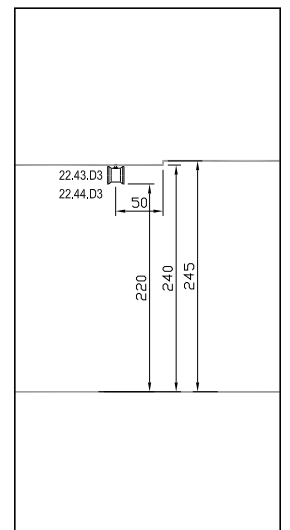
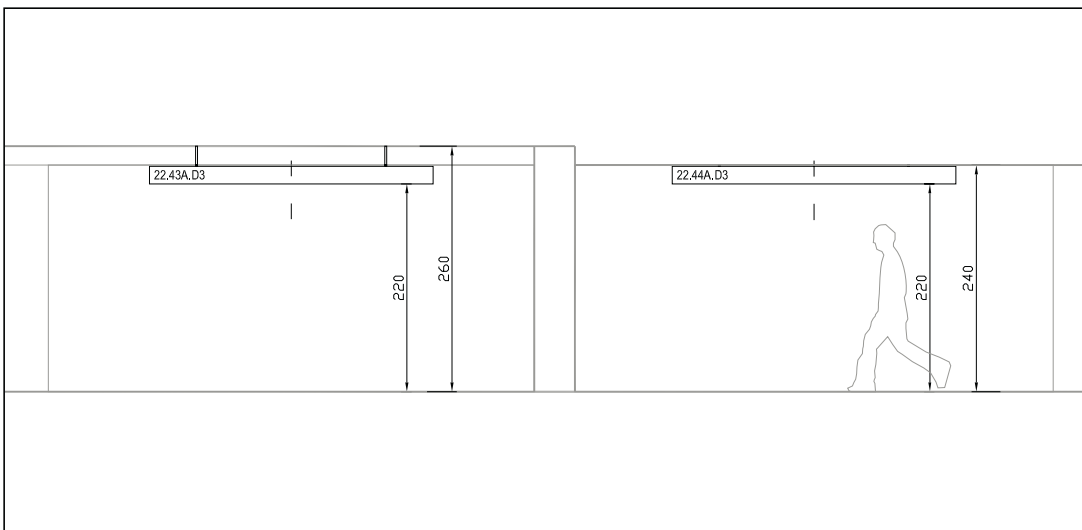
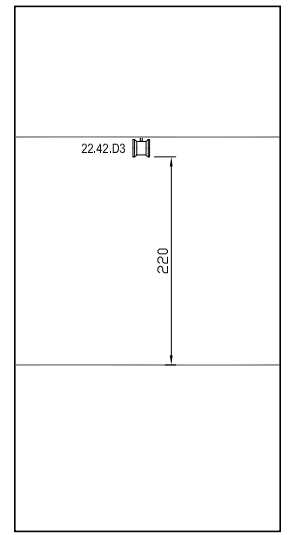
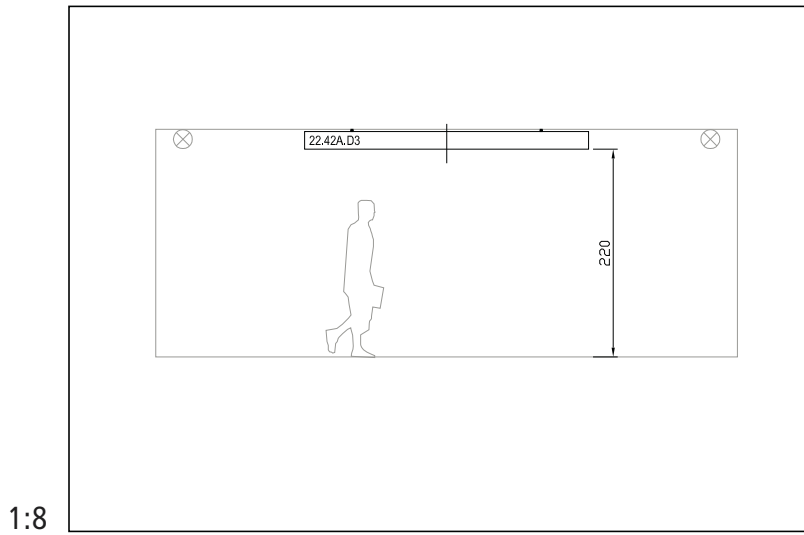
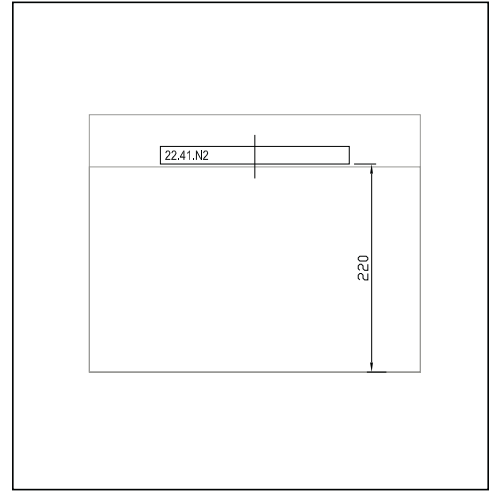
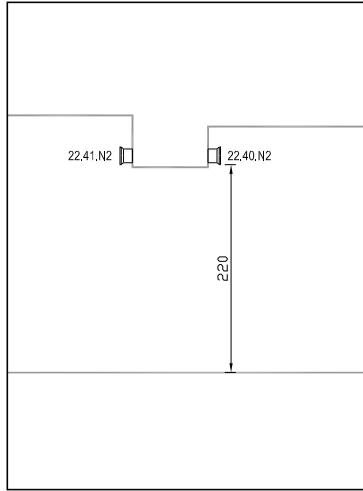
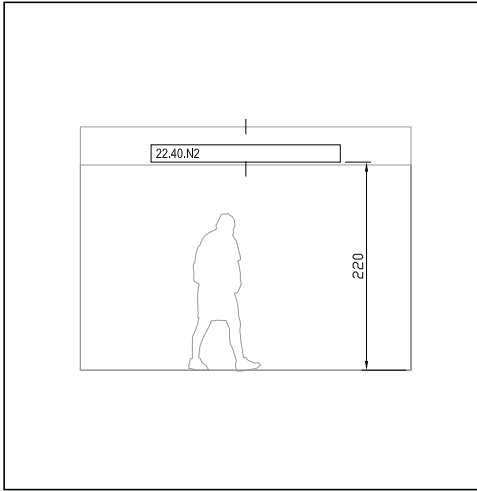


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22.01A.D3	PKiN	tram  bus
22.01B.D3	Centrum  PKiN  Warszawa Centralna	
22.02A.D3	Warszawa Śrómieście  Warszawa Centralna	
22.02B.D3	Al. Jerozolimskie  bus <small>kierunek direction</small> Ochota  Warszawa Śródmieście	
22.03.N25	tram <small>kierunek direction</small> Mokotów, Ochota  bus <small>kierunek direction</small> Praga, Muranów	
22.04.N25	tram <small>kierunek direction</small> Praga, Żoliborz  bus <small>kierunek direction</small> Mokotów	
22.05.N3	Al. Jerozolimskie  bus <small>kierunek direction</small> Ochota  Warszawa Śródmieście	
22.06.N3	Centrum  PKiN  Warszawa Centralna	ul. Marszałkowska
22.07.N25	tram <small>kierunek direction</small> Mokotów	tram <small>kierunek direction</small> Ochota  bus <small>kierunek direction</small> Praga, Muranów
22.08.N25		tram <small>kierunek direction</small> Praga, Żoliborz  bus <small>kierunek direction</small> Mokotów
22.09.N3	Al. Jerozolimskie  bus <small>kierunek direction</small> Ochota  Warszawa Śródmieście	
22.10.N3	Centrum  PKiN  Warszawa Centralna, ul. Marszałkowska	
22.11.N2	tram  bus	Centrum
22.12.N2	tram <small>kierunek direction</small> Mokotów	

- 22.13A.D3 

kierunek direction Ochota  kierunek direction Muranów, Praga  Rotunda
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- 22.13B.D3 

kierunek direction Praga, Muranów  kierunek direction Mokotów	kierunek direction Ochota	kierunek direction Mokotów
---	---------------------------	----------------------------
- 22.14A.D3 

kierunek direction Muranów  Rotunda	kierunek direction Ochota	kierunek direction Praga
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- 22.14B.D3 

Centrum  kierunek direction Mokotów, Praga  kierunek direction Ochota, Mokotów   PKiN
---
- 22.15.N3 

ul. Marszałkowska  Rotunda  kierunek direction Muranów	Al. Jerozolimskie
--	-------------------
- 22.16.N3 

kierunek direction Ochota	kierunek direction Ochota, Żoliborz  kierunek direction Praga, Mokotów
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- 22.17.N3 

kierunek direction Ochota  kierunek direction Mokotów, Praga  PKiN
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- 22.18.N1 

kierunek direction Ochota
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- 22.19.N1 

kierunek direction Ochota
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- 22.20A.D2 

	Centrum
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- 22.20B.D2 






































































kierunek direction Ochota
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- 22.21.N2 










Centrum  kierunek direction Mokotów  kierunek direction Muranów, Ochota
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- 22.22.N2 

kierunek direction Praga, Żoliborz  kierunek direction Praga, Mokotów
---
- 22.23.N1 

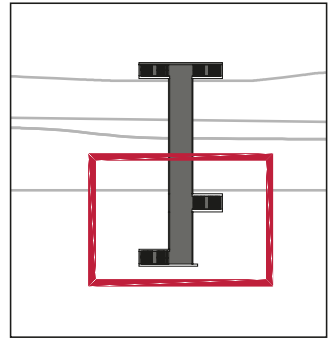
kierunek direction Ochota
---------------------------

22.24.N1		
22.25A.D3		
22.25B.D3		
22.26A.D3		
22.26B.D3		
22.27.N25		
22.28.N25		
22.29.N3		
22.30.N3		
22.31A.D3		
22.31B.D3		
22.32.N2		
22.33.N2		

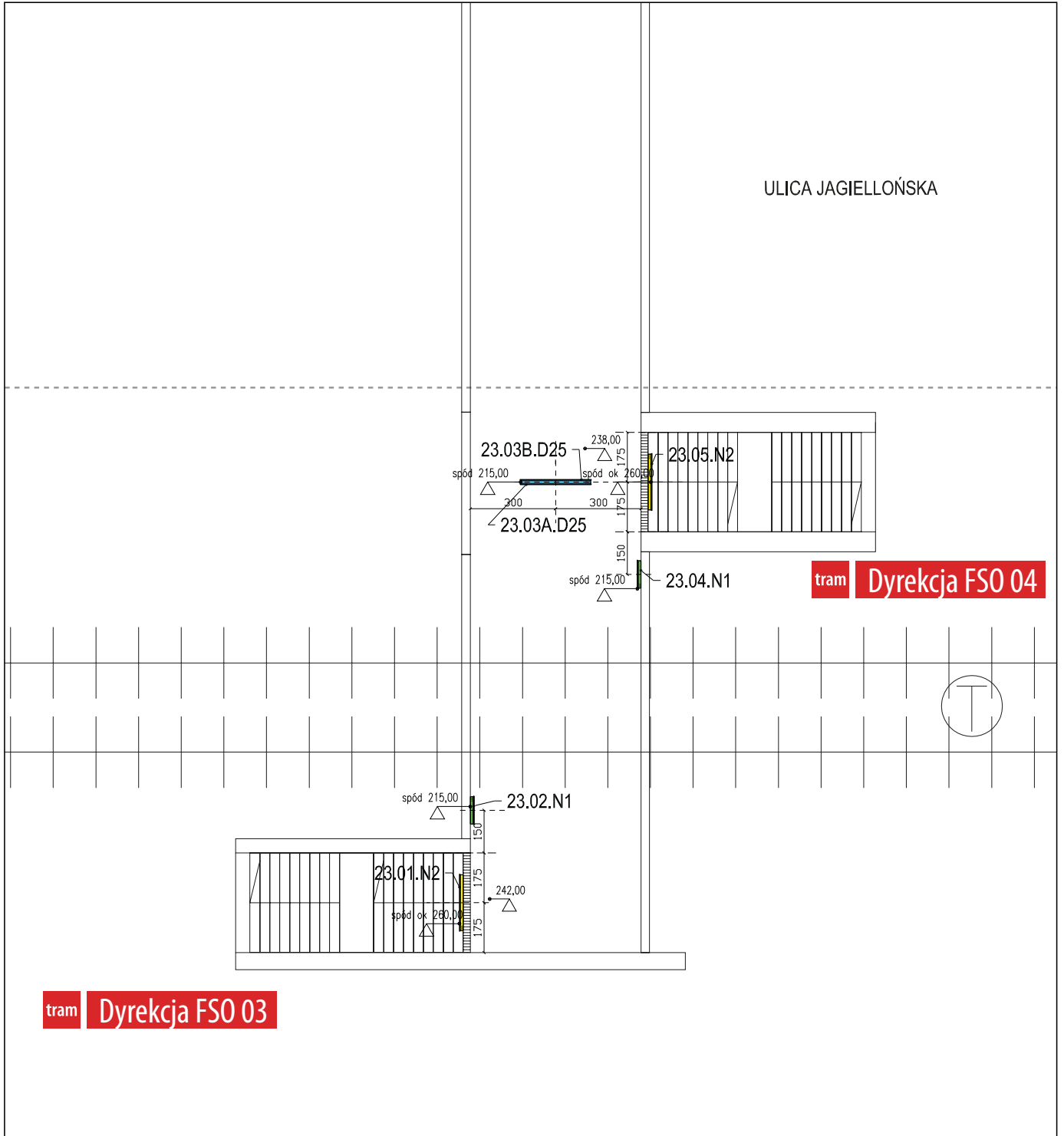
22.34A.D3	  kierunek direction Mokotów	 <b>Centrum</b>  kierunek direction Praga, Mokotów	 kierunek direction Ochota	 <b>PKiN</b> 	
22.34B.D3	  kierunek direction Zoliborz, Ochota	 kierunek direction Praga, Muranów	 <b>Rotunda</b> 		
22.35.N3	  <b>Centrum</b>  kierunek direction Praga, Mokotów	 kierunek direction Ochota	 <b>PKiN</b>		
22.36.N3		  kierunek direction Zoliborz, Ochota	 kierunek direction Praga, Muranów	 <b>Rotunda</b> 	
22.37.N25	  <b>ul. Marszałkowska</b>  kierunek direction Mokotów	 			
22.38.N25		<b>Al. Jerozolimskie</b>  			
22.39A.D3	  kierunek direction Praga	 <b>Centrum</b>  kierunek direction Mokotów	 kierunek direction Ochota, Muranów	 <b>PKiN</b> 	
22.39B.D3	  kierunek direction Zoliborz, Ochota	 kierunek direction Praga		 kierunek direction Mokotów	
22.40.N2	  <b>Centrum</b>	   			
22.41.N2	 kierunek direction Praga				
22.42A.D3	  <b>Centrum</b>  kierunek direction Mokotów	 kierunek direction Ochota	 <b>Warszawa Centralna</b>		
22.42B.D3	  kierunek direction Zoliborz	 kierunek direction Mokotów, Praga	 kierunek direction Praga	 	
22.43A.D3	  <b>Centrum</b>  kierunek direction Ochota	 <b>Warszawa Centralna</b>	 kierunek direction Mokotów		
22.43B.D3	  kierunek direction Praga, Zoliborz	 kierunek direction Mokotów			

22.44A.D3	  <b>Centrum</b>  <small>kierunek direction</small> <b>Ochota</b>  <b>Warszawa Centralna</b>	 <small>kierunek direction</small> <b>Mokotów</b> 
22.44B.D3	  <small>kierunek direction</small> <b>Praga, Żoliborz</b>  <small>kierunek direction</small> <b>Mokotów</b>	

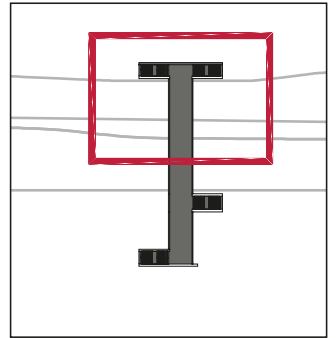
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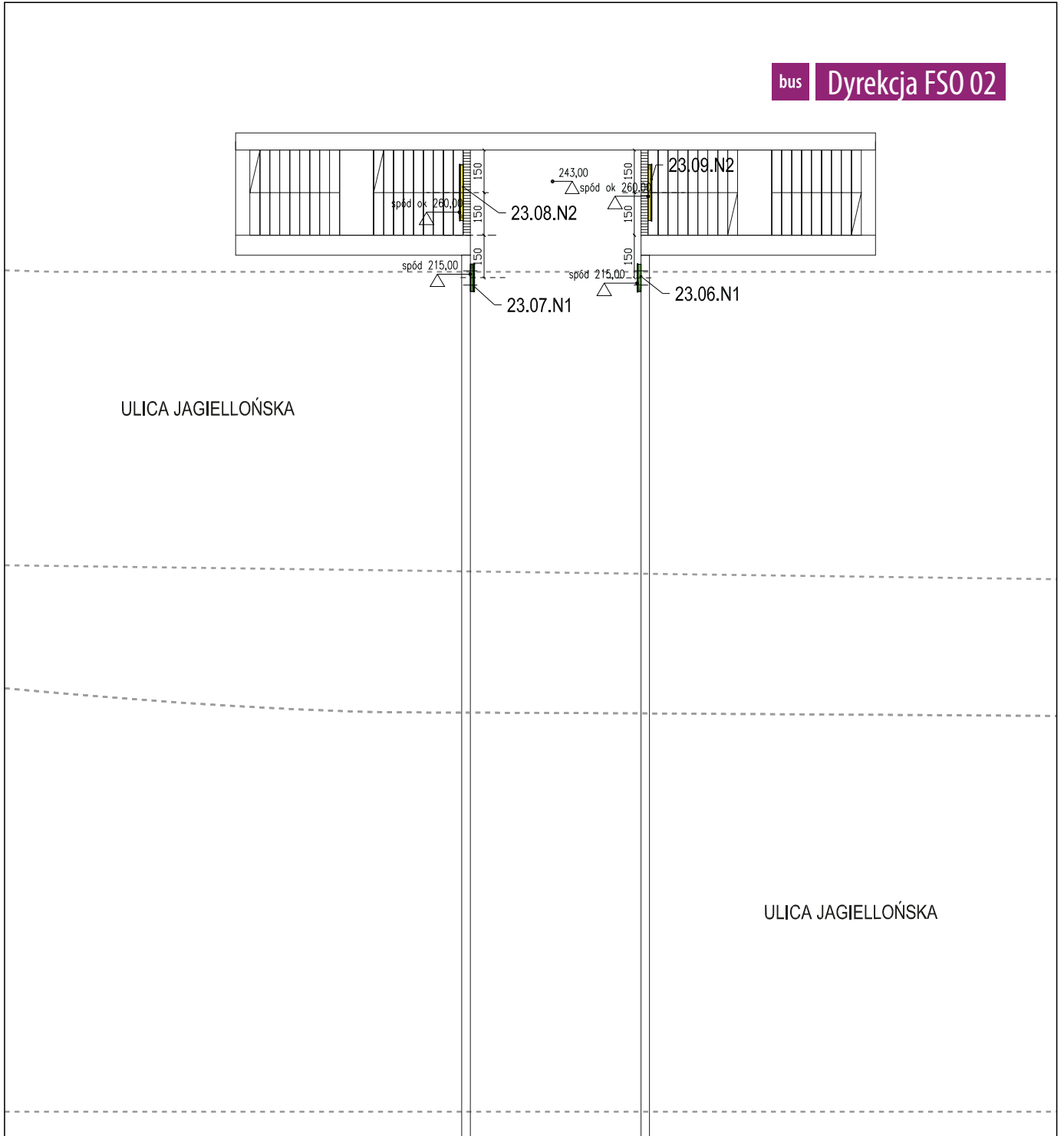
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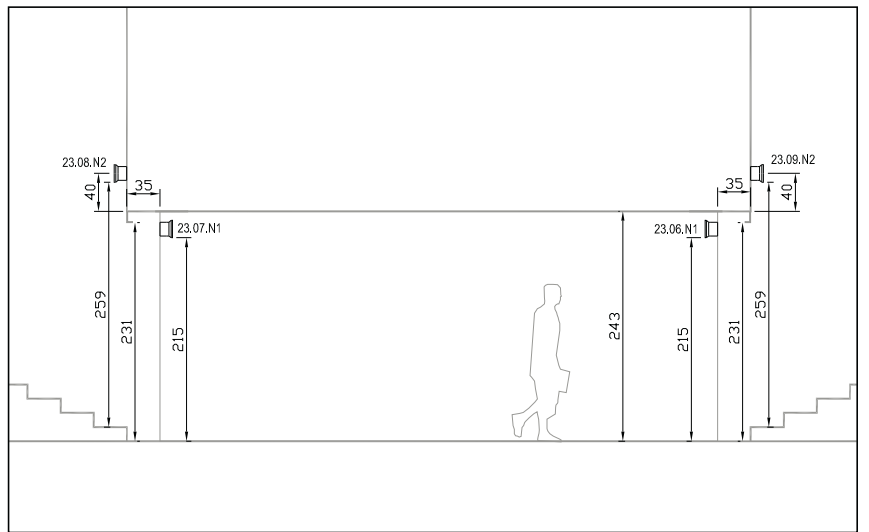
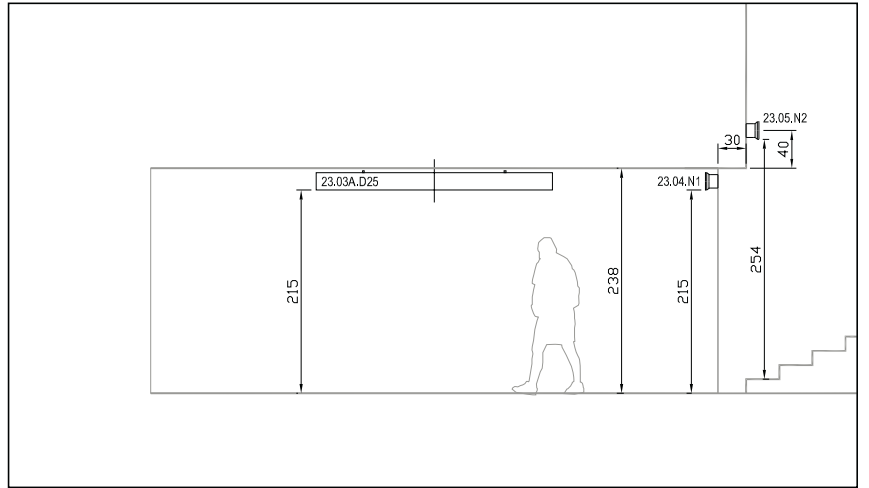
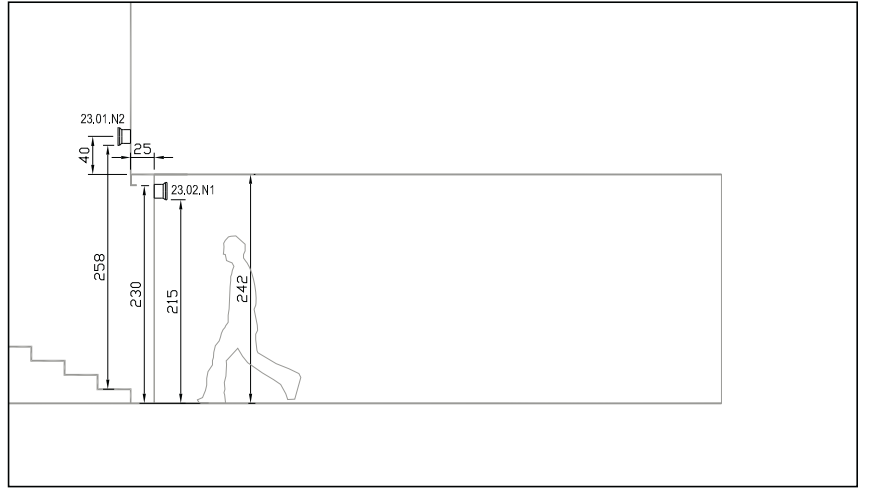
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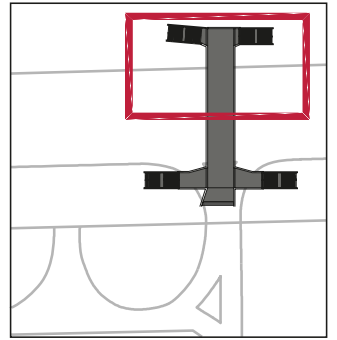




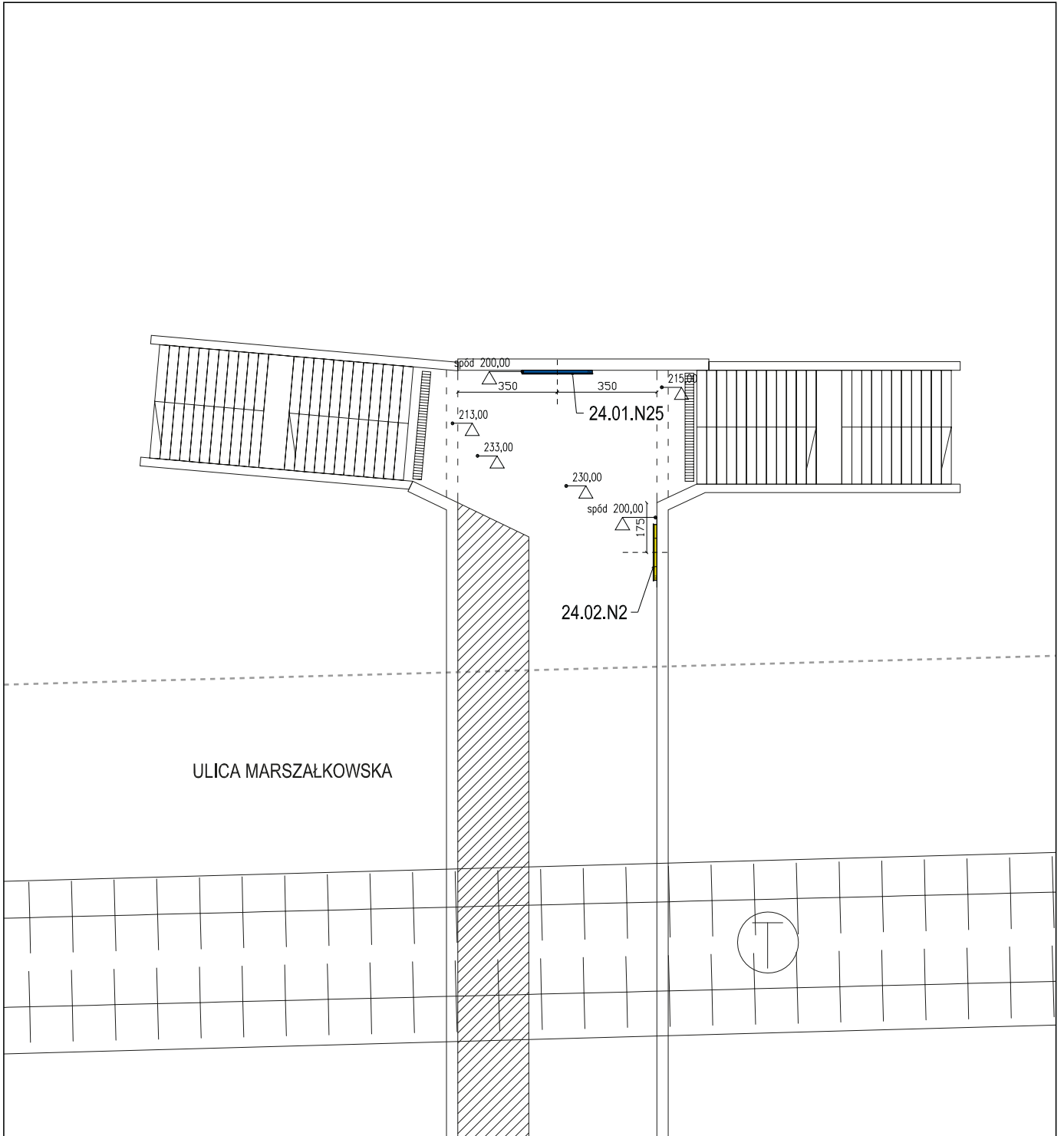
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23.01.N2	  kjerunek direction Żerań  kjerunek direction Żerań, Praga-Pn.
23.02.N1	 kjerunek direction Praga-Pn.
23.03A.D25	  kjerunek direction Żerań  kjerunek direction Żerań  kjerunek direction Praga-Pn. 
23.03B.D25	  kjerunek direction Żerań  kjerunek direction Praga-Pn.  kjerunek direction Praga-Pn. 
23.04.N1	 kjerunek direction Żerań  kjerunek direction Praga-Pn.
23.05.N2	  kjerunek direction Praga-Pn.  kjerunek direction Żerań 
23.06.N1	  kjerunek direction Żerań
23.07.N1	 ul. Toruńska
23.08.N2	 kjerunek direction Żerań, Praga-Pn.  kjerunek direction Praga-Pn. 
23.09.N2	  kjerunek direction Żerań, Praga Pn.  kjerunek direction Praga Pn.

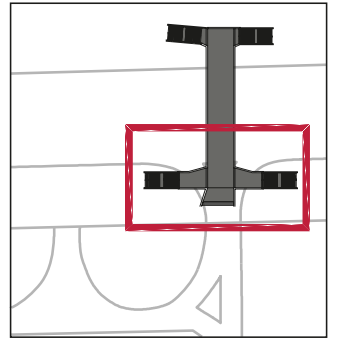
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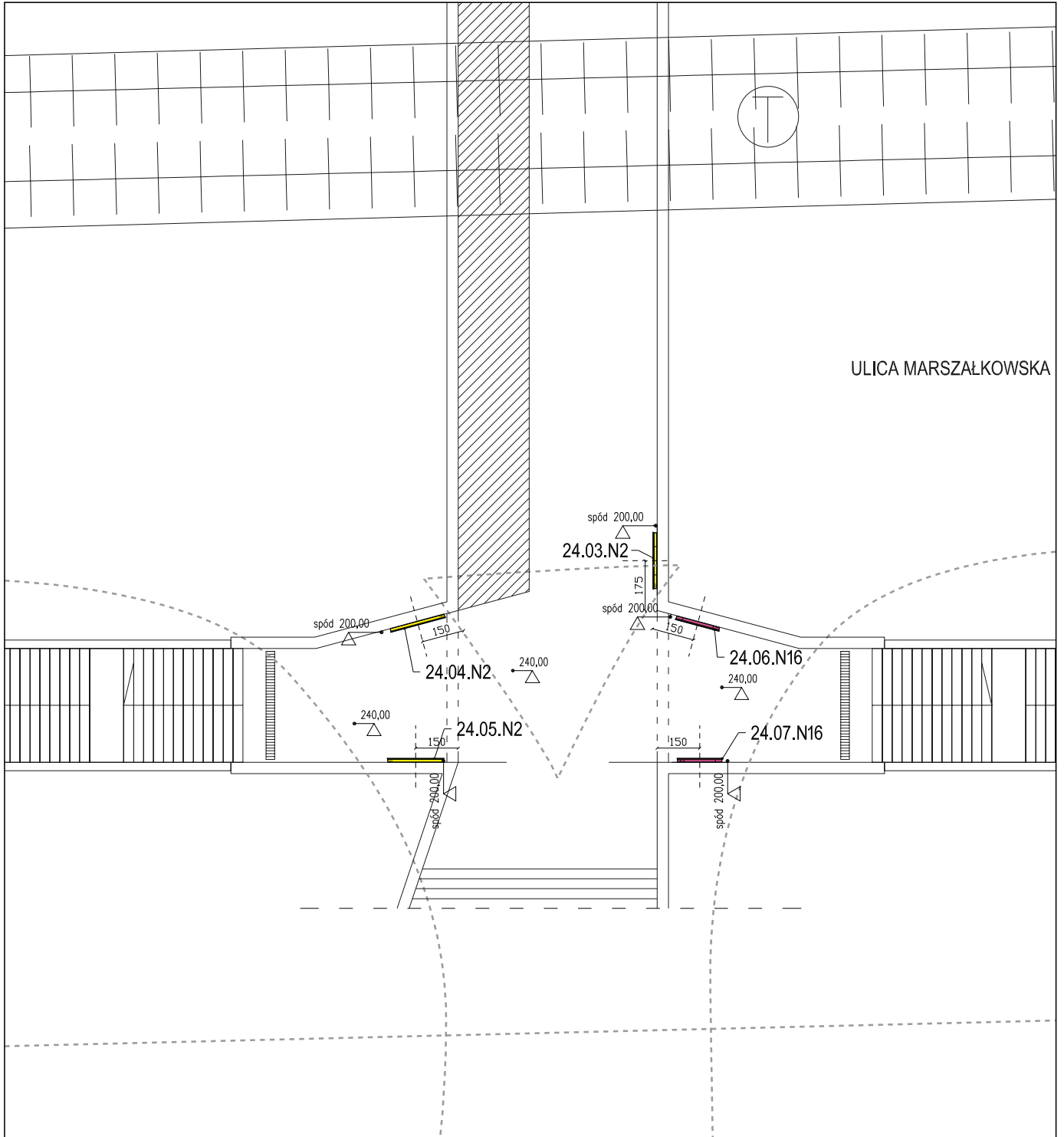
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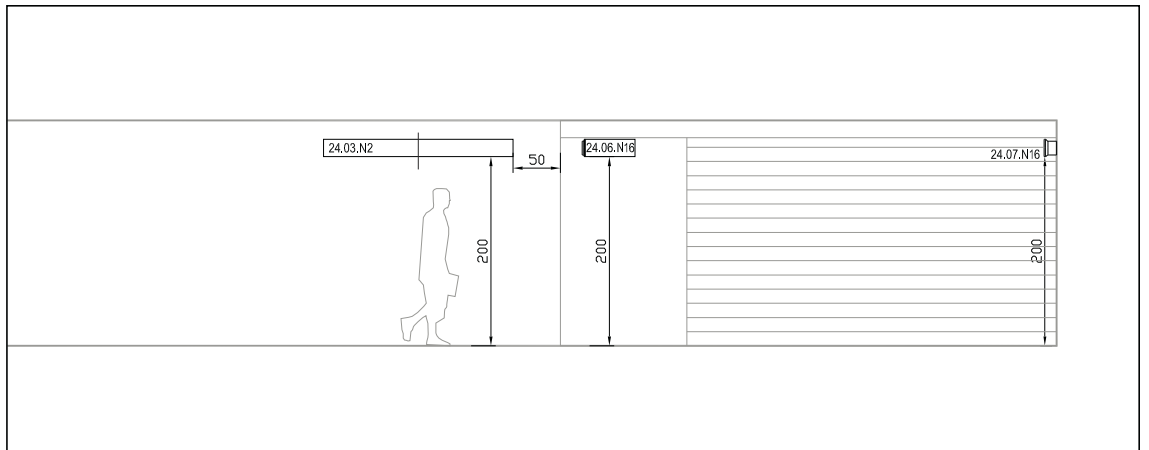
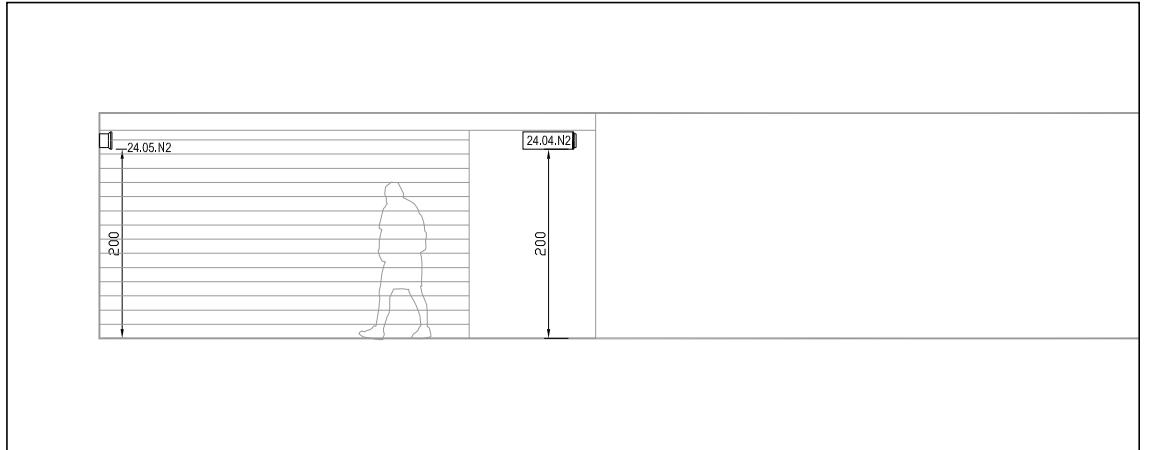
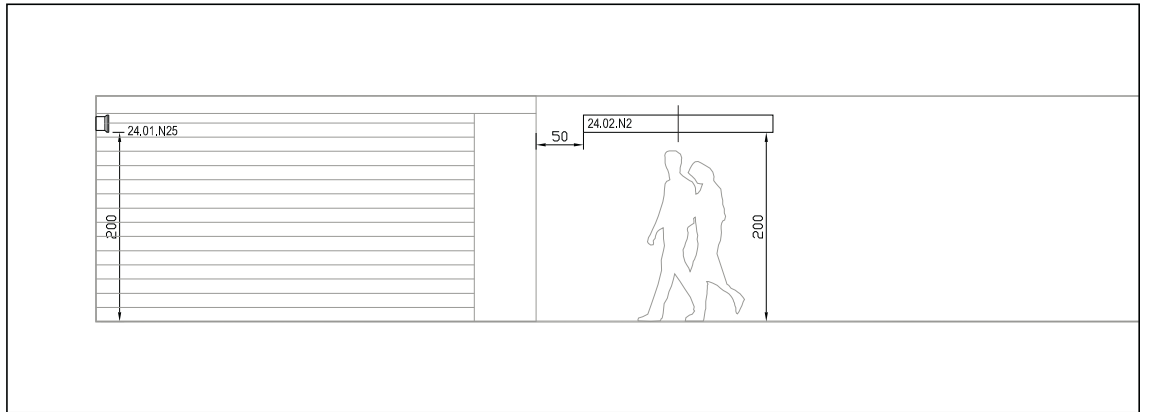
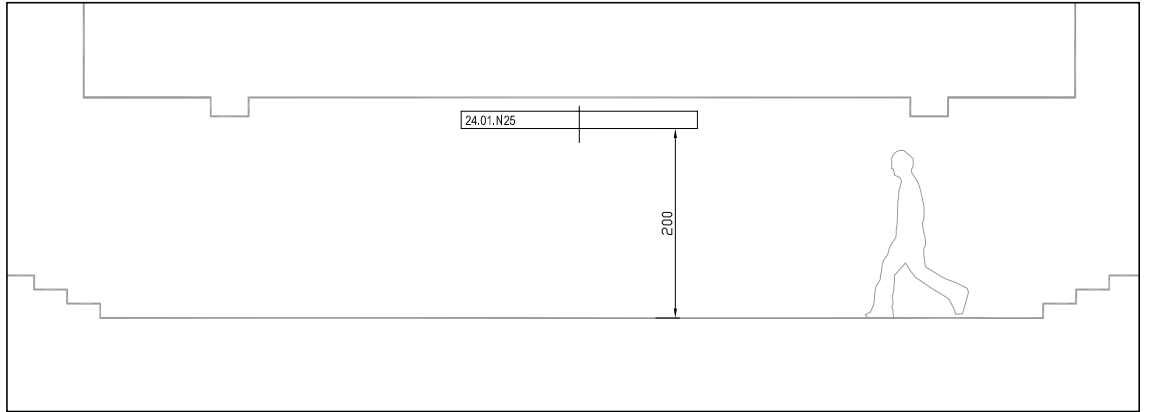


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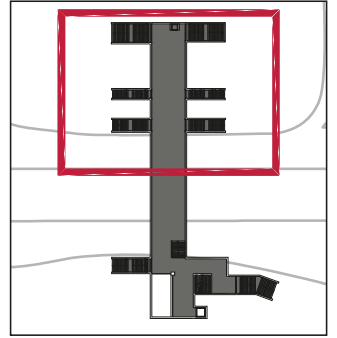




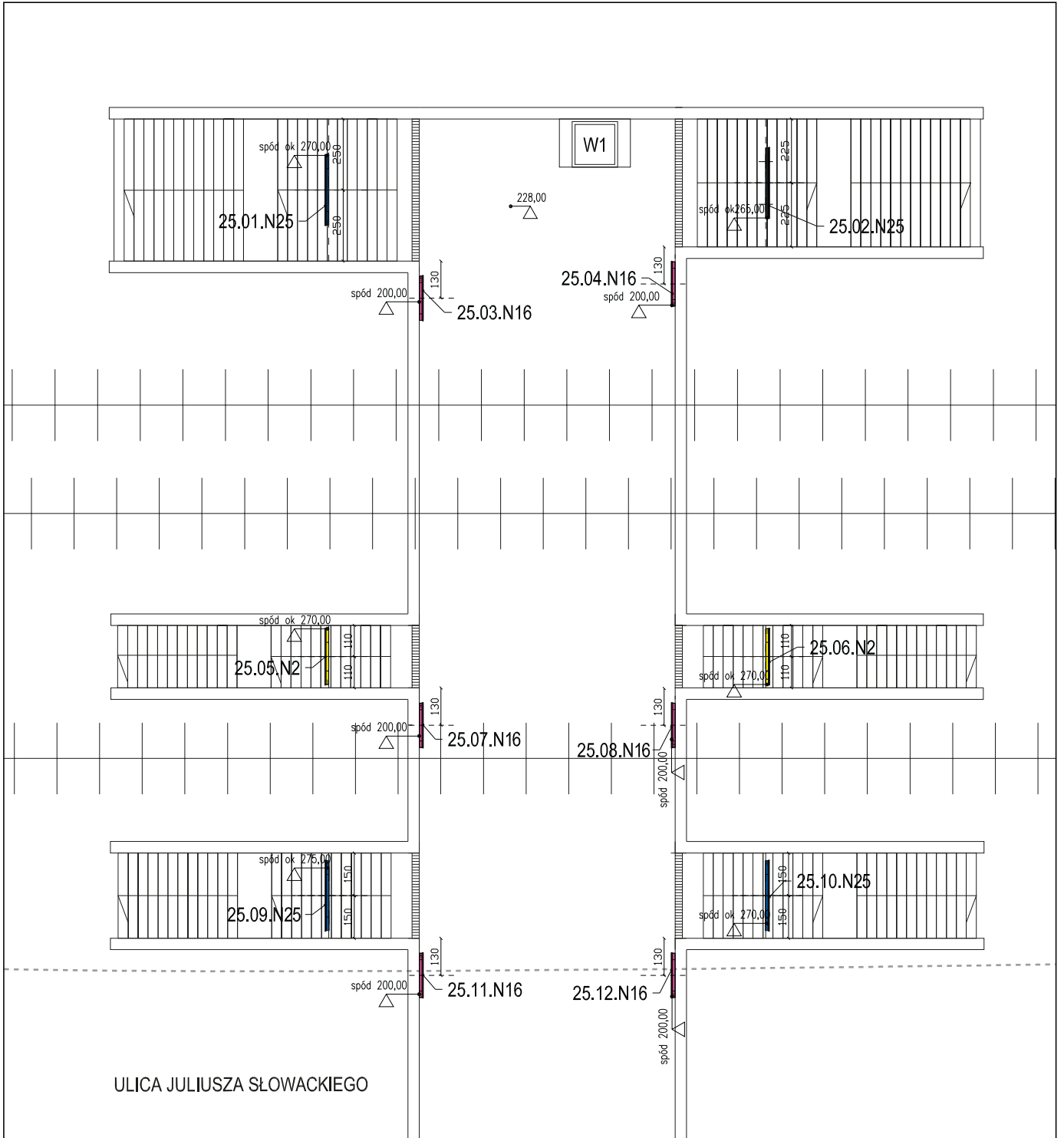
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- |   |   |
|---|---|
| <span style="font-size: 24px;">←</span> ul. Złota | ul. Marszałkowska <span style="font-size: 18px; color: purple;">bus</span> kierunek direction Muranów <span style="font-size: 24px;">→</span> |
|---|---|
- |   |   |
|---|---|
| <span style="font-size: 24px;">↑</span> <span style="font-size: 18px; color: purple;">bus</span> kierunek direction Muranów | <span style="font-size: 24px; color: yellow;">M</span> Centrum <span style="font-size: 18px;">PKiN</span> <span style="font-size: 24px;">→</span> |
|---|---|
- |   |  |  |
|---|--|--|
| <span style="font-size: 24px;">←</span> <span style="font-size: 18px; color: purple;">bus</span> kierunek direction Muranów | <span style="font-size: 18px;">PKiN</span> <span style="font-size: 24px;">↑</span> | <span style="font-size: 24px; color: yellow;">M</span> <span style="font-size: 24px;">→</span> |
|---|--|--|
- |   |   |
|---|---|
| <span style="font-size: 24px;">←</span> ul. Marszałkowska | <span style="font-size: 18px; color: purple;">bus</span> kierunek direction Muranów <span style="font-size: 24px;">↑</span> |
|---|---|
- |  |   |
|--|---|
| <span style="font-size: 24px;">↑</span> <span style="font-size: 24px; color: yellow;">M</span> Centrum | ul. Marszałkowska <span style="font-size: 24px;">→</span> |
|--|---|
- |   |
|---|
| <span style="font-size: 24px;">↑</span> <span style="font-size: 18px; color: purple;">bus</span> kierunek direction Muranów |
|---|
- |  |
|--|
| <span style="font-size: 24px;">←</span> ul. Marszałkowska <span style="font-size: 18px;">PKiN</span> |
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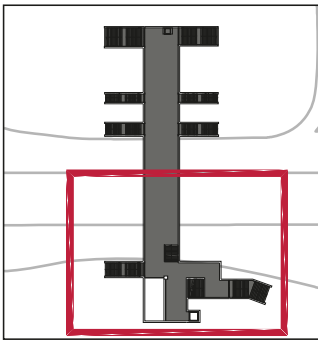
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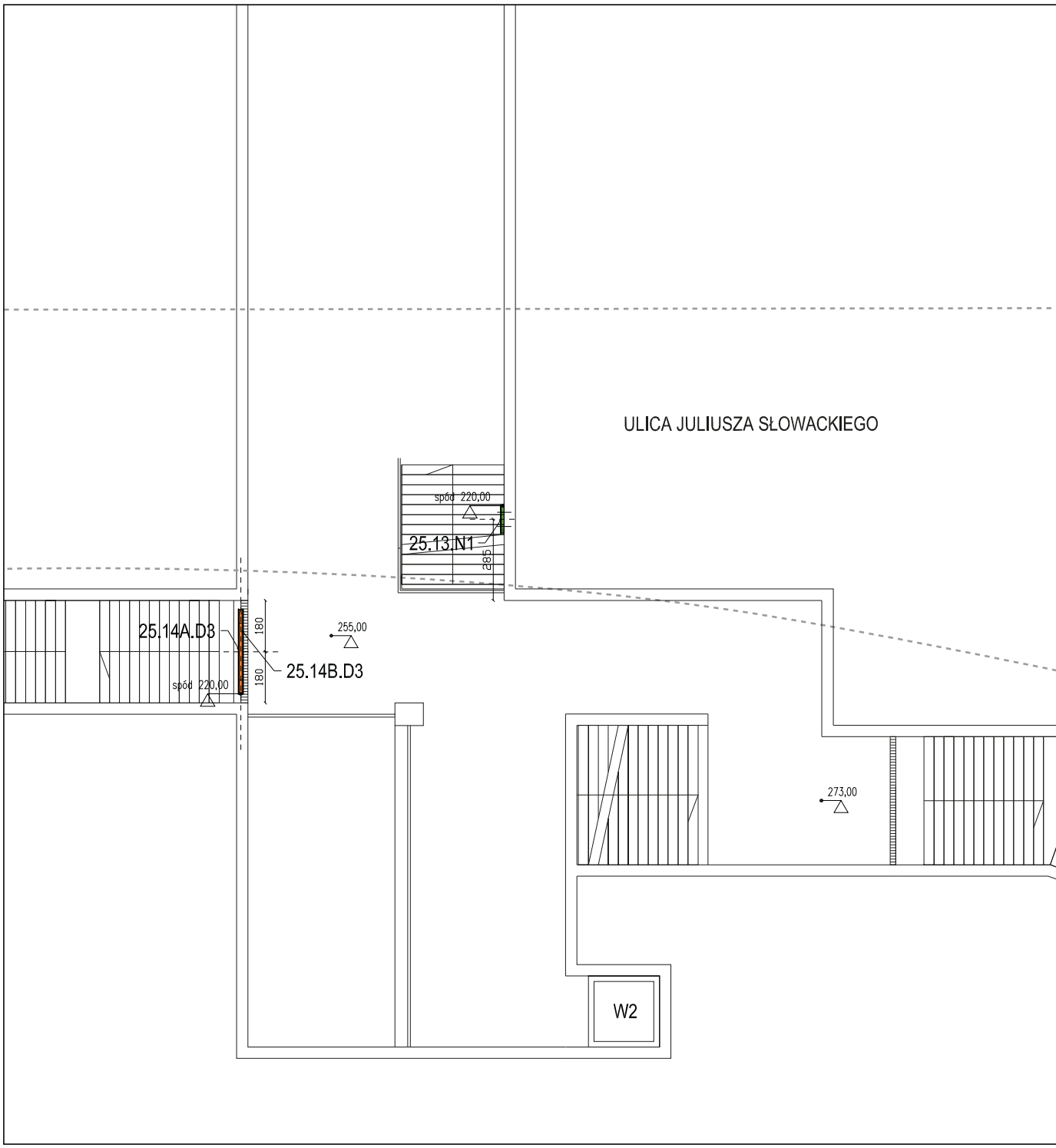
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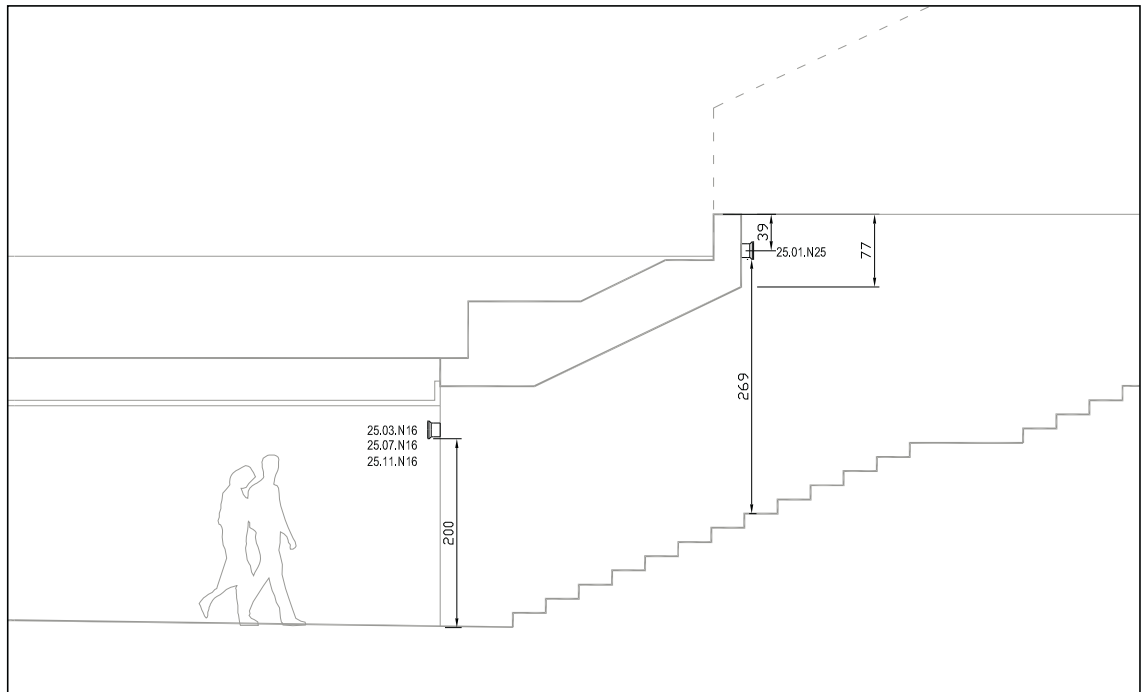
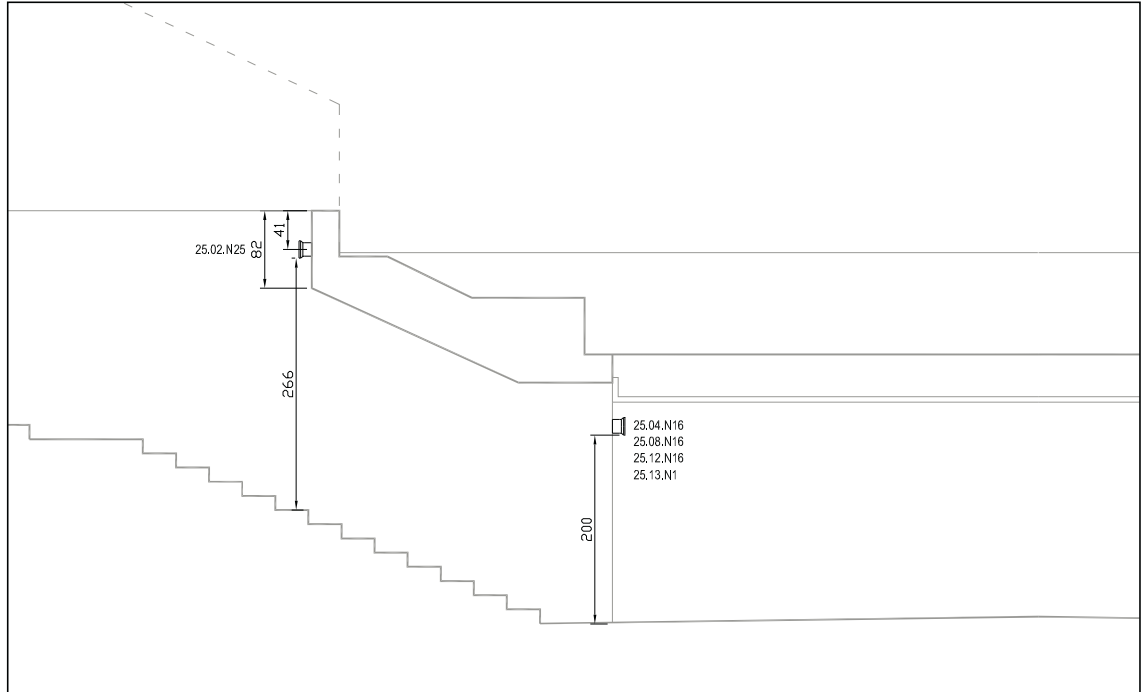
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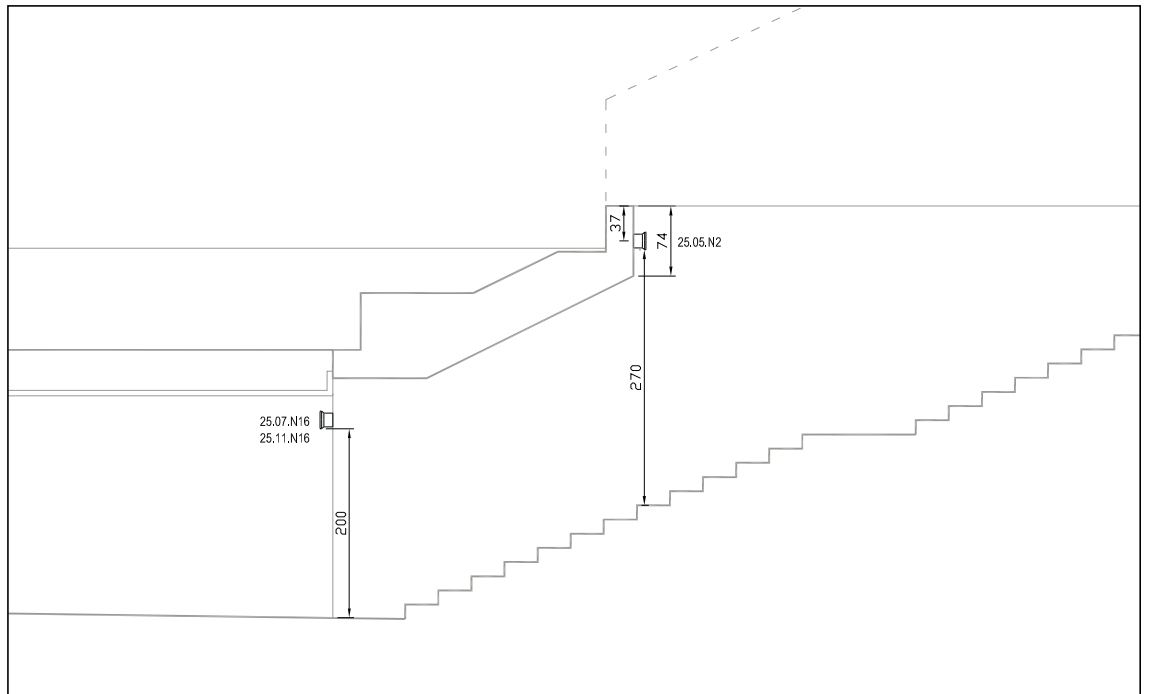
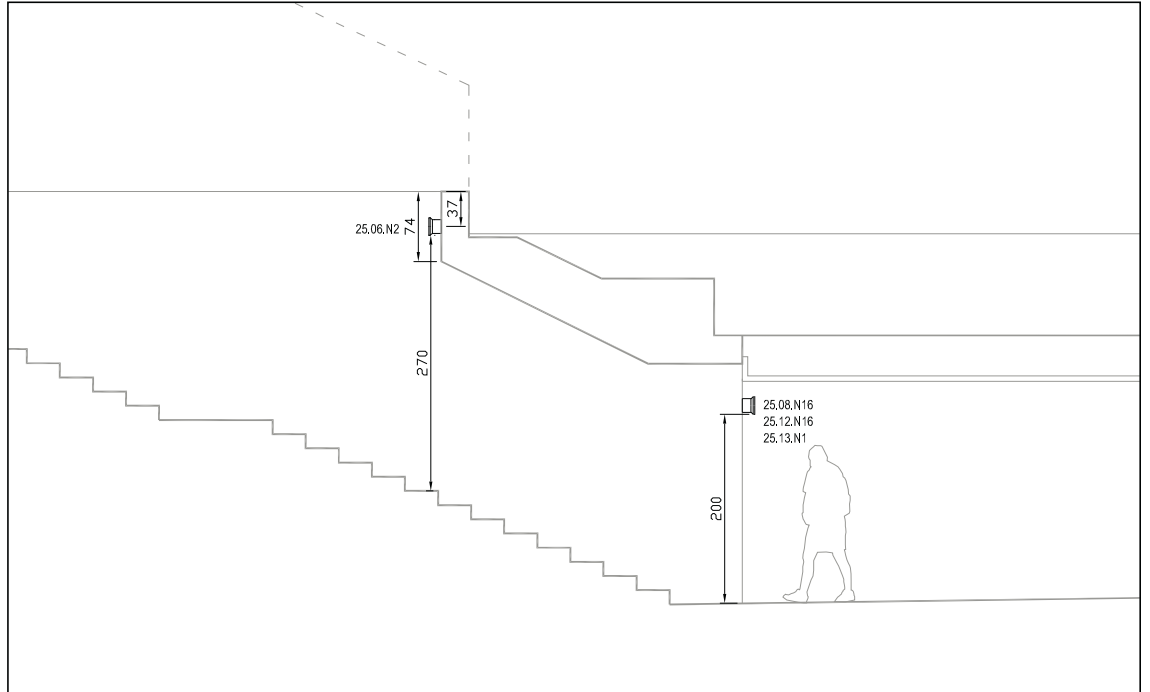
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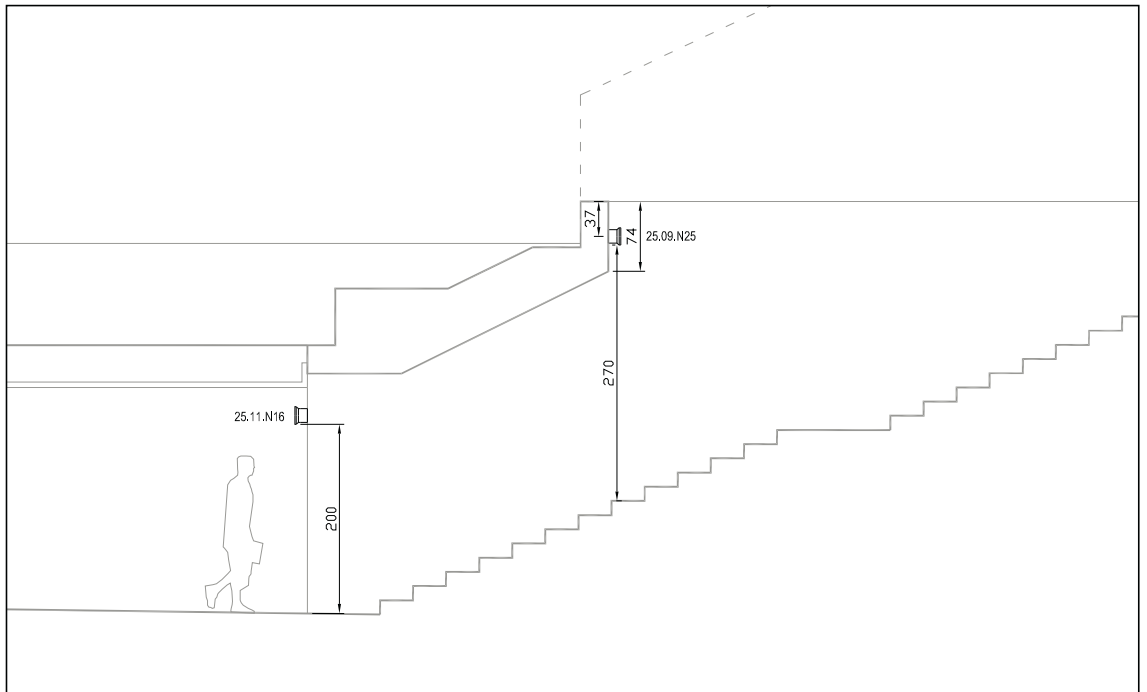
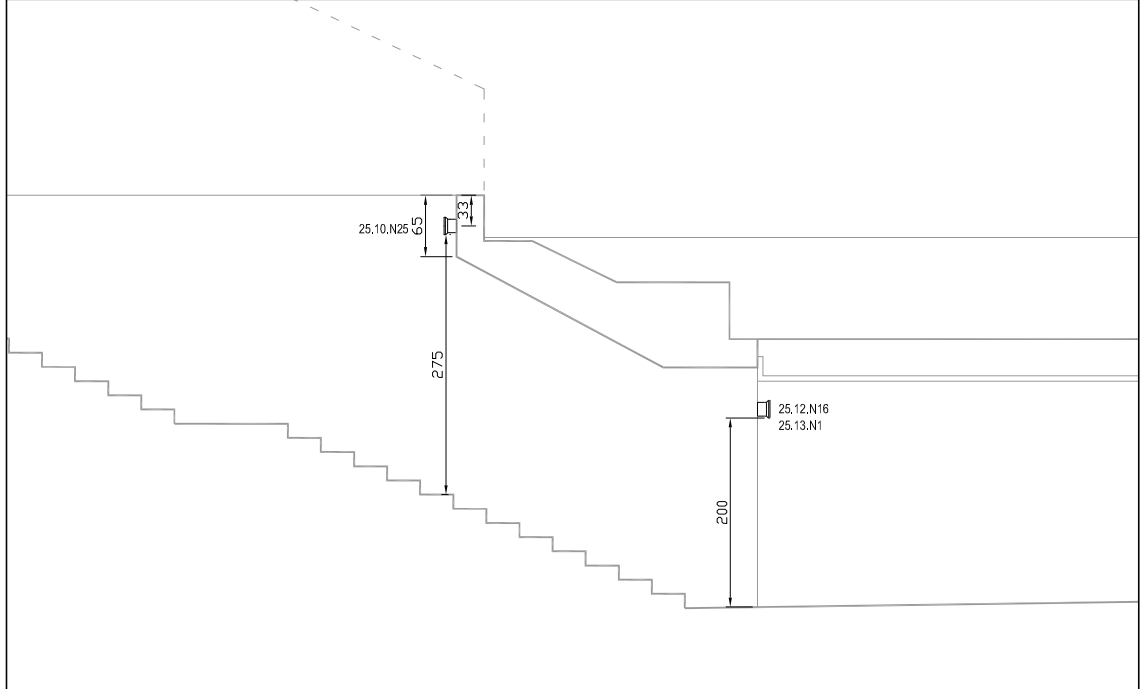




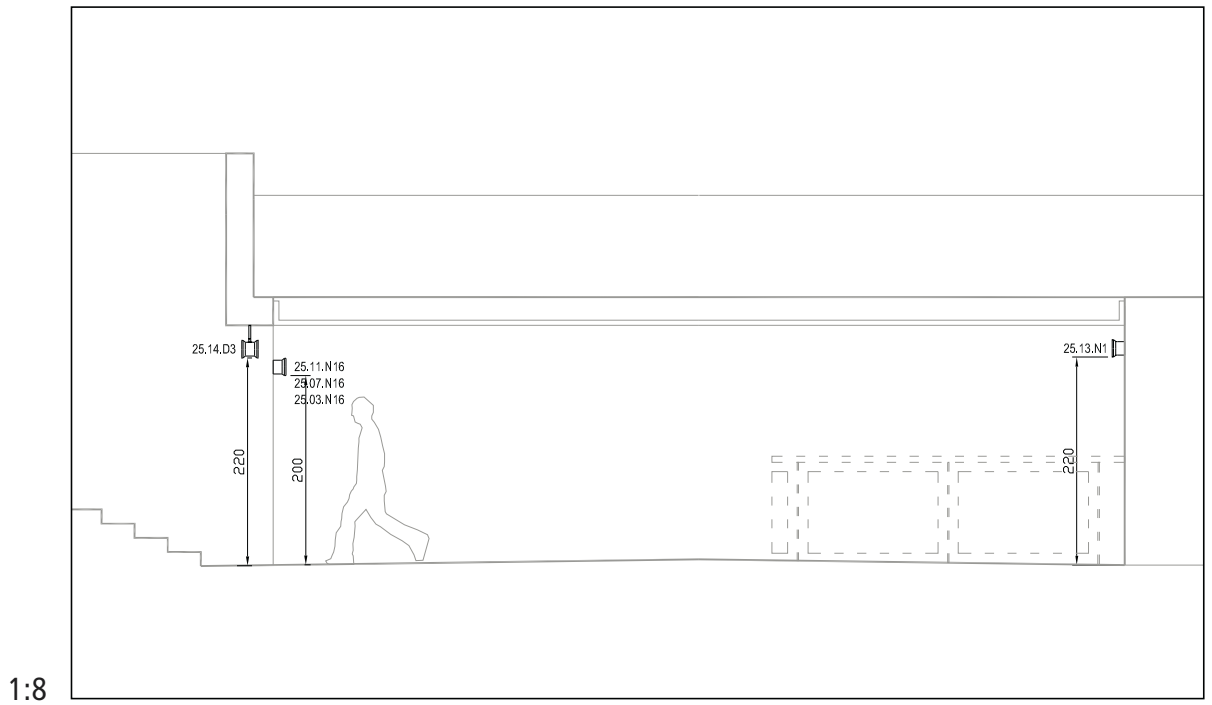
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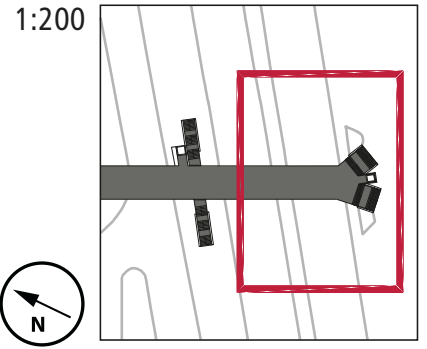
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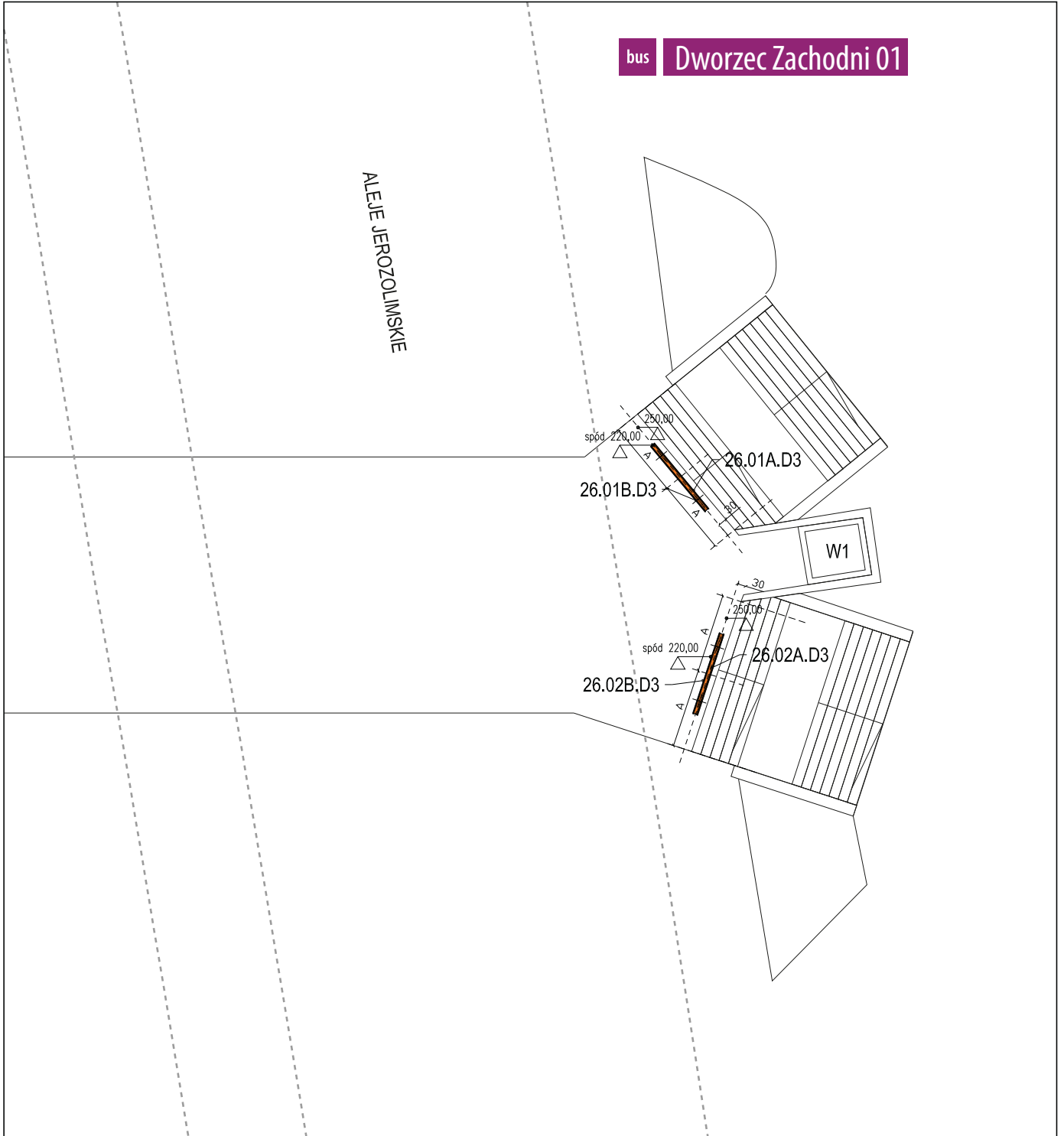
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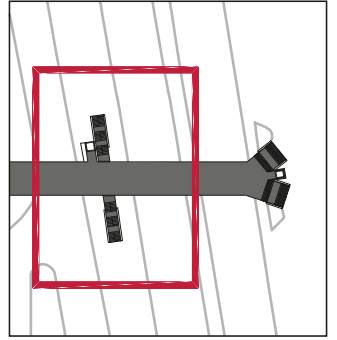
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25.02.N25	  <b>Marymont</b>  kierunek direction <b>Wola, Centrum</b>  kierunek direction <b>Bielany, Centrum</b>
25.03.N16	 kierunek direction <b>Bielany</b> <b>Park Kaskada</b>  
25.04.N16	   kierunek direction <b>Bielany</b> <b>ul. Gdańska</b>
25.05.N2	  kierunek direction <b>Bielany</b>      kierunek direction <b>Wola</b> 
25.06.N2	  kierunek direction <b>Wola</b>      kierunek direction <b>Bielany</b> 
25.07.N16	 kierunek direction <b>Centrum, Praga</b>  
25.08.N16	   kierunek direction <b>Centrum, Praga</b>
25.09.N25	  kierunek direction <b>Centrum, Bielany, Praga</b>    <b>Marymont</b>  kierunek direction <b>Centrum</b> 
25.10.N25	  kierunek direction <b>Centrum</b>  <b>Marymont</b>    kierunek direction <b>Centrum, Bielany, Praga</b> 
25.11.N16	 kierunek direction <b>Wola, Centrum</b>  kierunek direction <b>Bielany</b>  
25.12.N16	   kierunek direction <b>Wola, Centrum</b>  kierunek direction <b>Bielany</b>
25.13.N1	   <b>Marymont</b>
25.14A.D3	  kierunek direction <b>Wola, Centrum, Bielany, Praga</b>  kierunek direction <b>Bielany</b> <b>Park Kaskada</b>     
25.14A.D3	  kierunek direction <b>Centrum</b> <b>ul. Włociańska</b>



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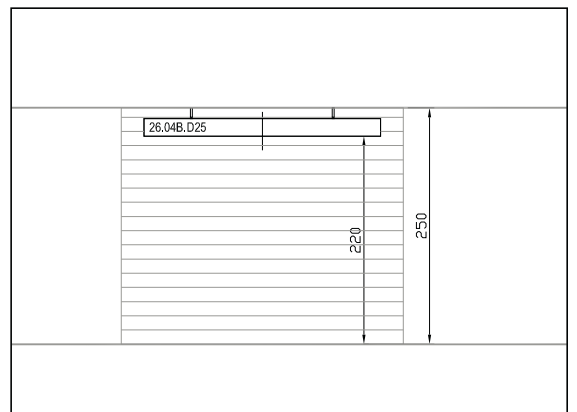
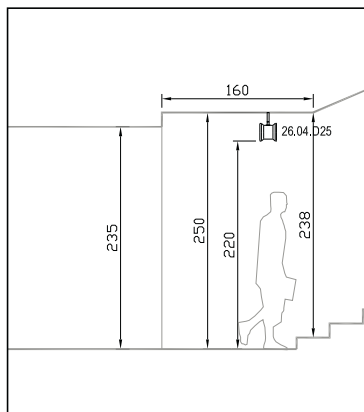
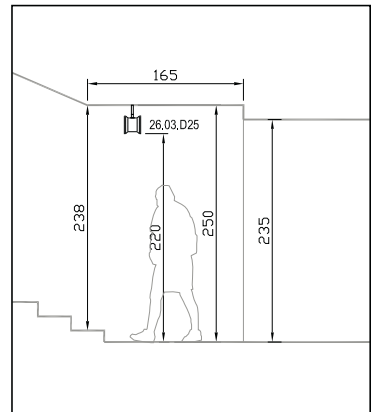
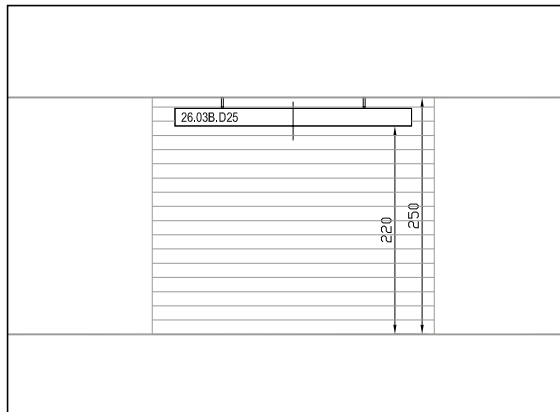
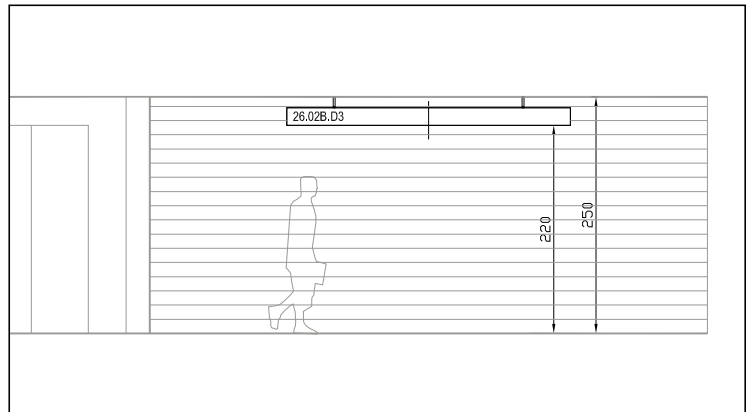
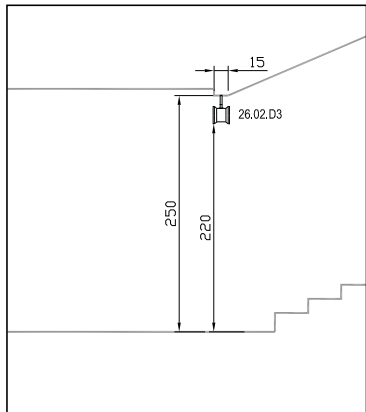
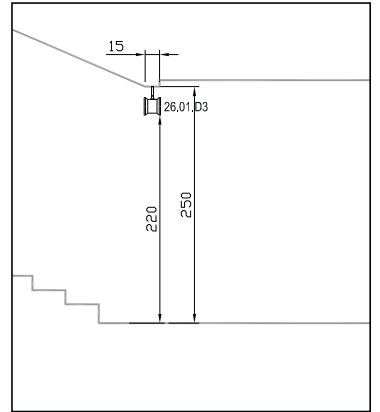
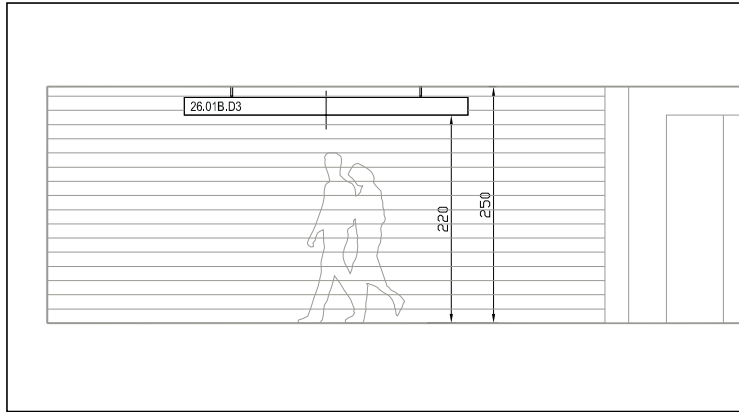


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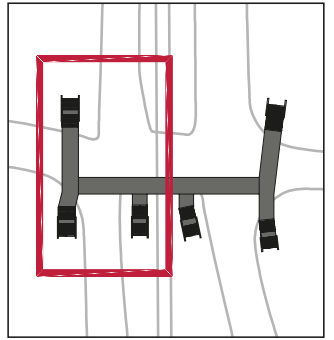


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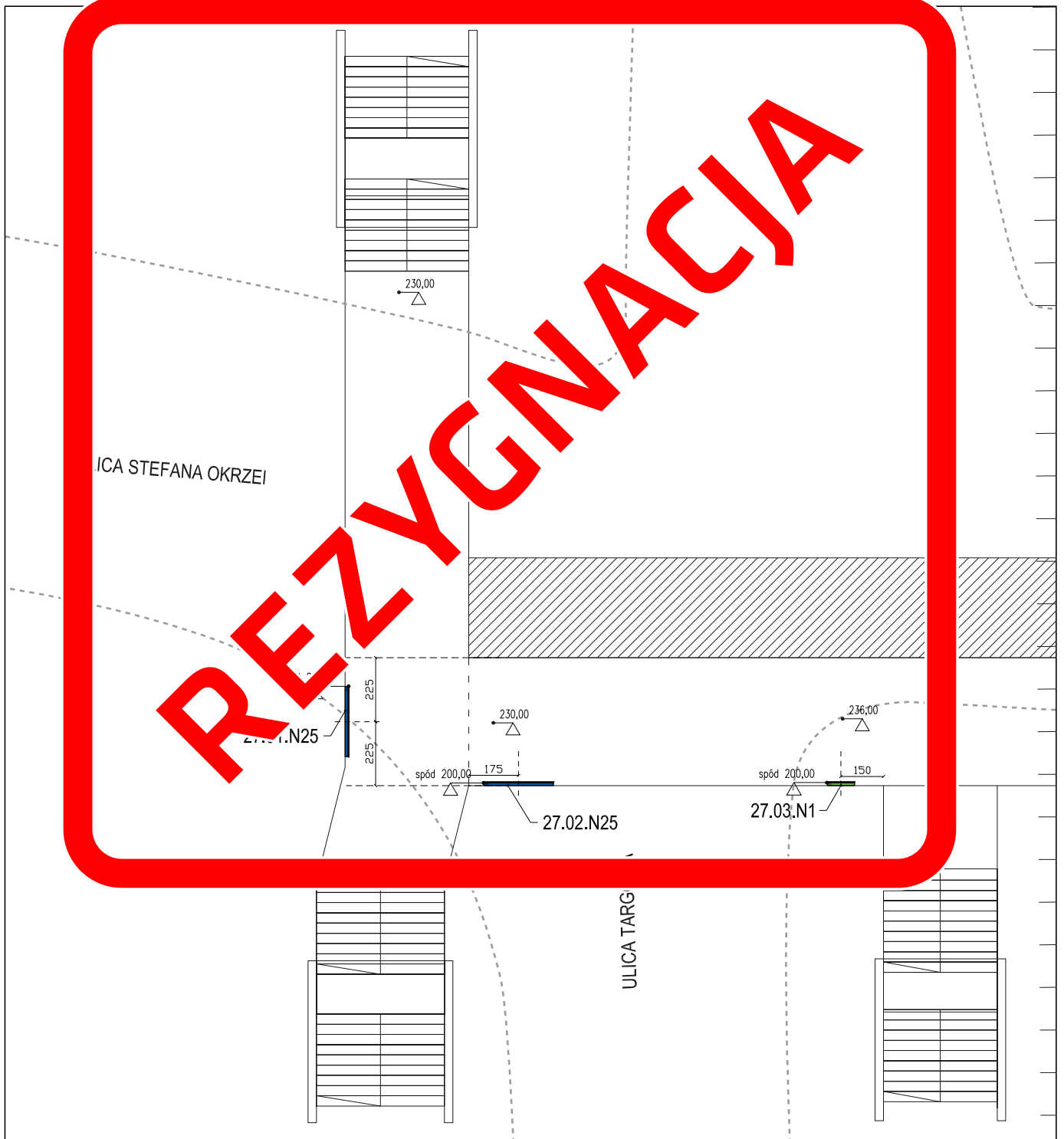


26.1A.D3	  Dw. Zachodni  Warszawa Zachodnia  kierunek direction Wola, Włochy, Ursus
26.1B.D3	  Al. Jerozolimskie  kierunek direction Centrum  
26.2A.D3	  Dw. Zachodni  Warszawa Zachodnia  kierunek direction Wola, Włochy, Ursus
26.2B.D3	  ul. Bitwy Warszawskiej 1920 r.  
26.3A.D25	  kierunek direction Centrum  Warszawa Zachodnia 
26.3B.D25	   kierunek direction Wola, Włochy, Ursus  Dw. Zachodni  
26.4A.D25	  Warszawa Zachodnia  kierunek direction Centrum 
26.4B.D25	   kierunek direction Wola, Włochy, Ursus  Dw. Zachodni

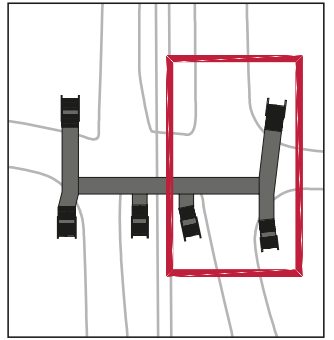
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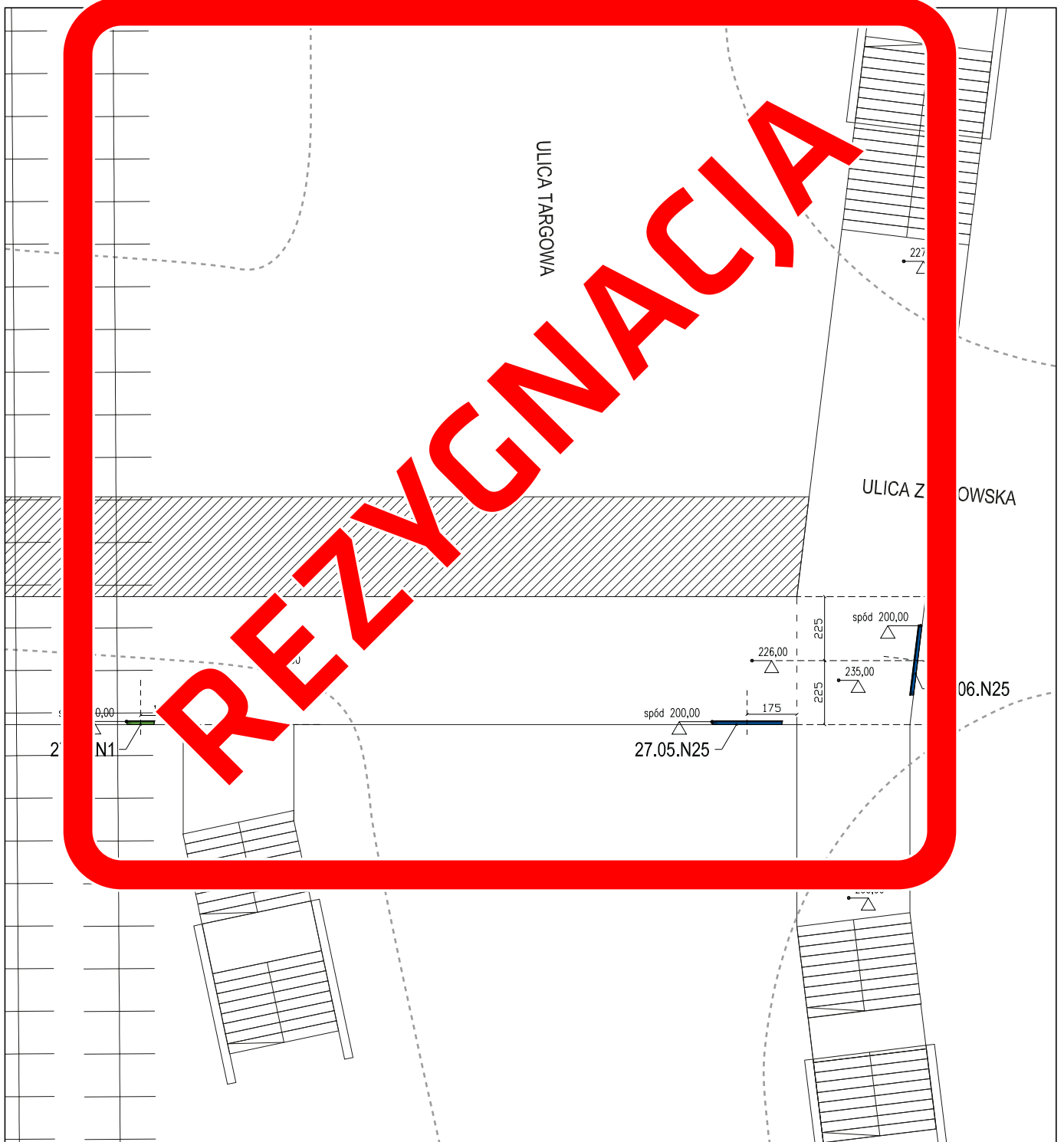
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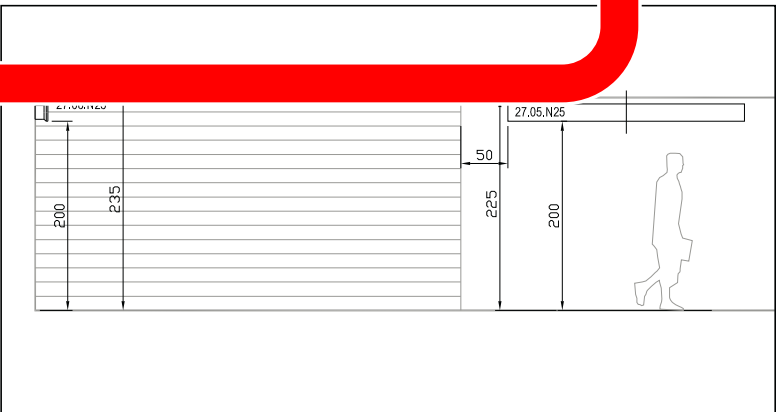
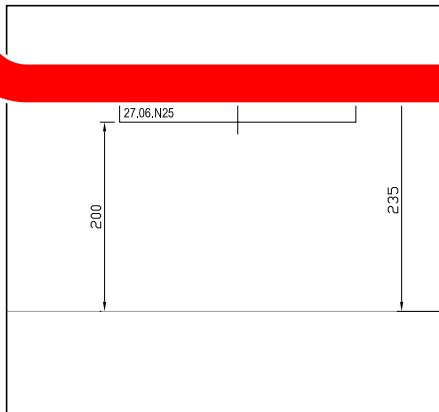
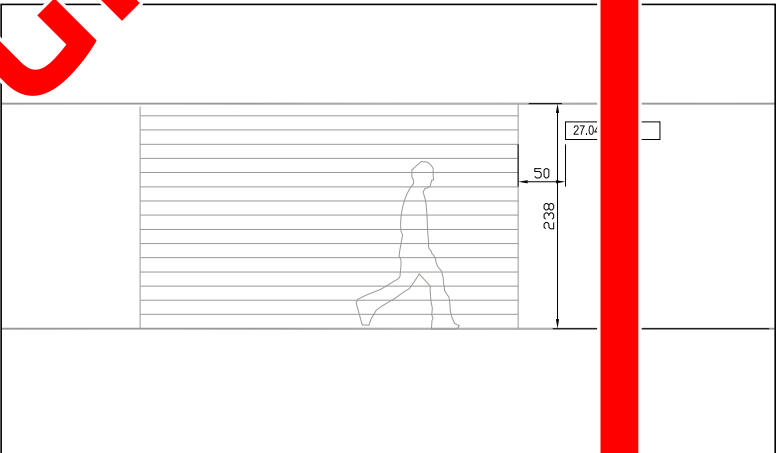
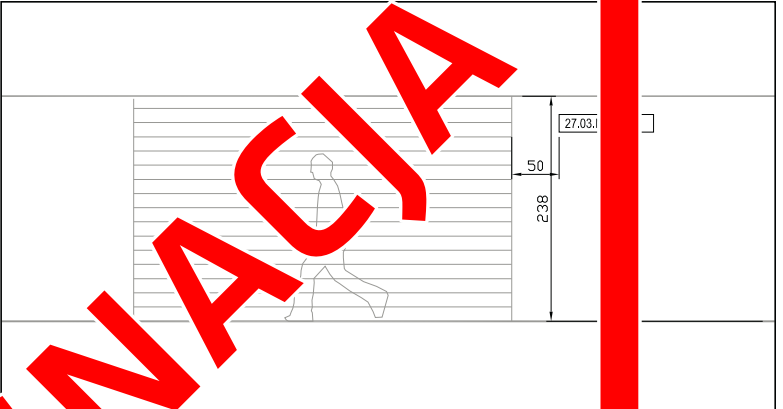
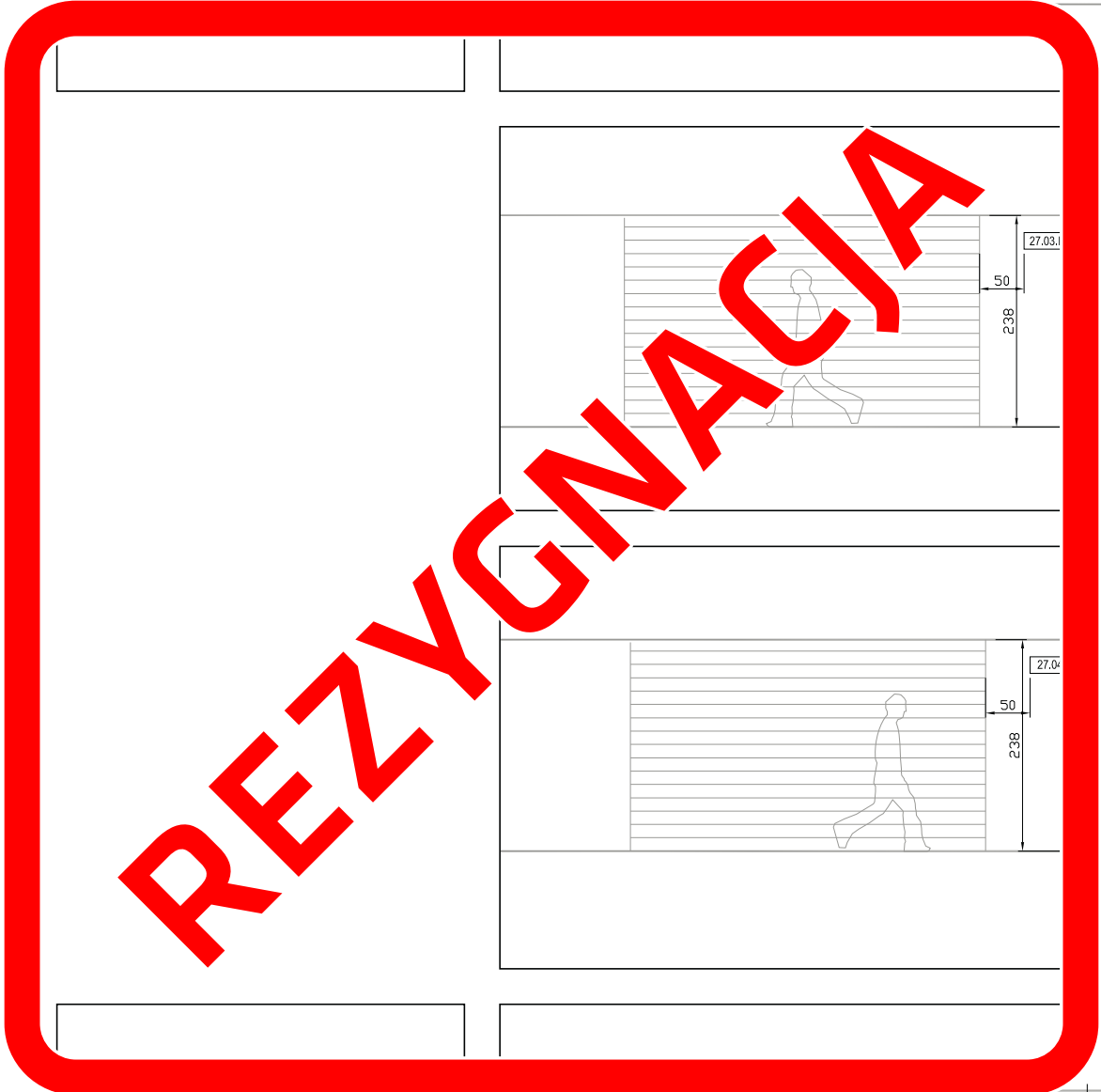
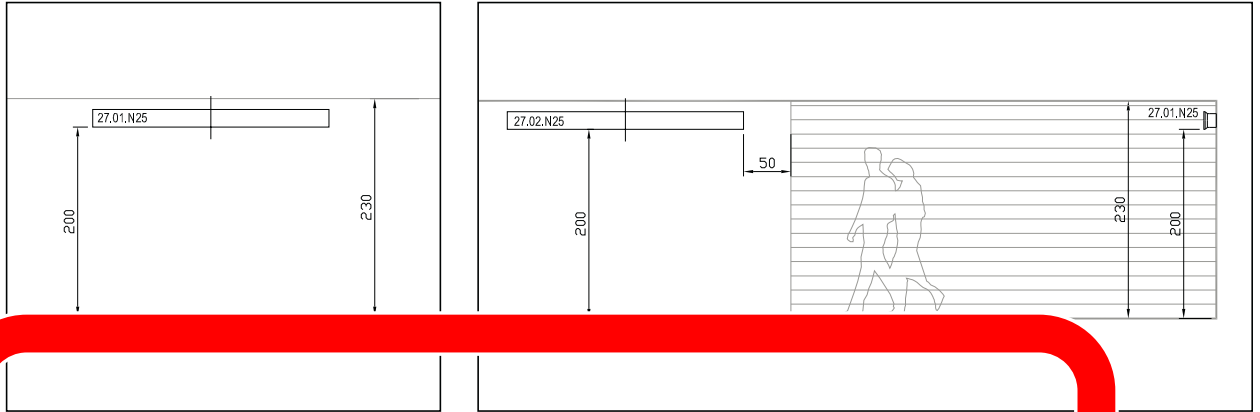


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**REWYGNACJA**

27.01.N25  Kierunek Direction Praga-Pd. | ul. S. Okrzei  

27.02.N25   Kierunek Direction Praga-Pn., Praga-Pd. |  Kierunek Direction Praga-Pn. | ul. Ząbkowska

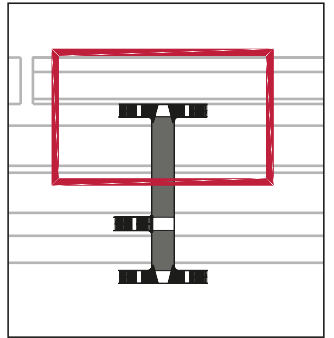
27.03.N1  Kierunek Direction Praga-Pd.

27.04.N1  Kierunek Direction Praga-Pn.

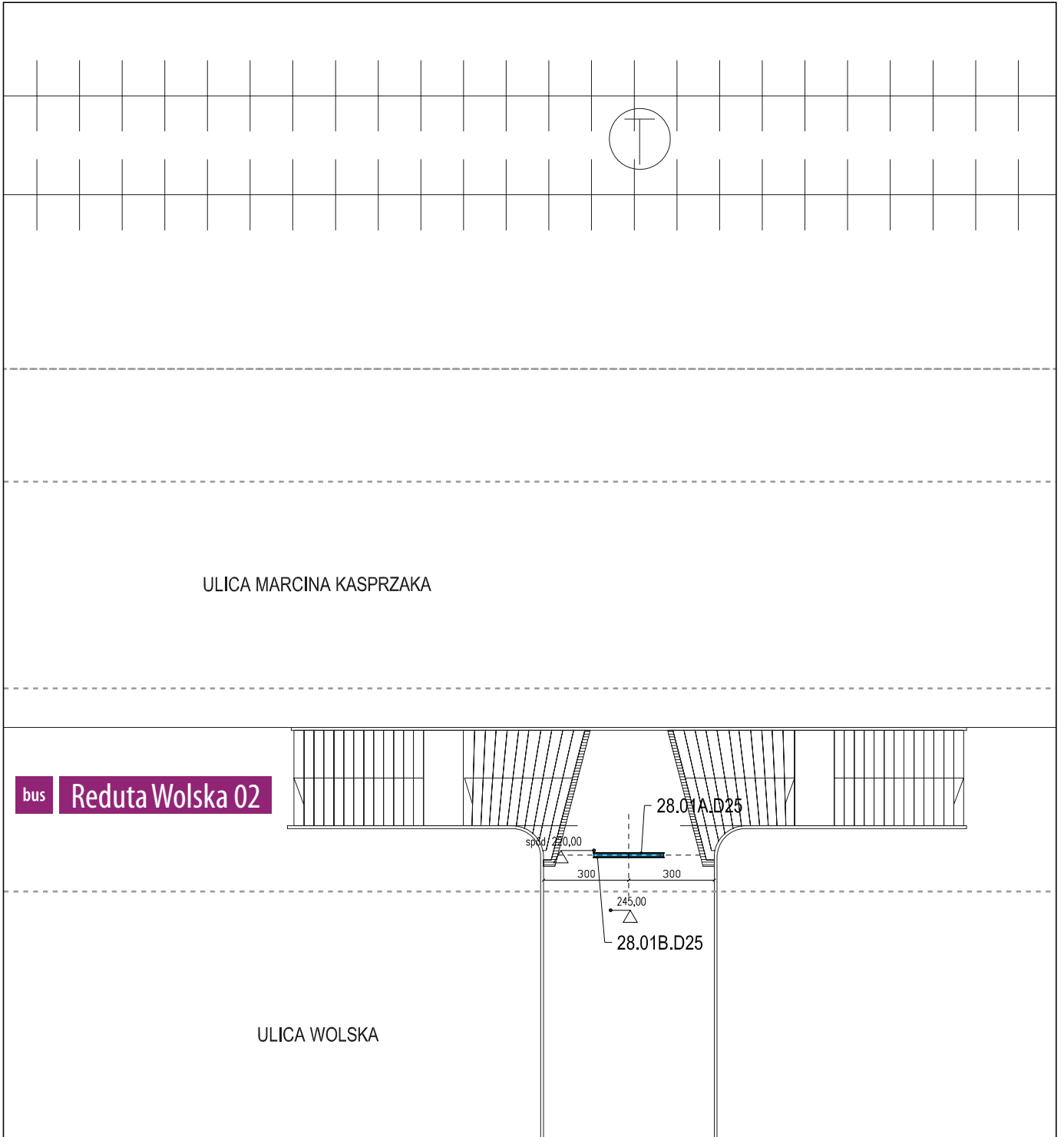
27.05.N25  Kierunek Direction Praga-Pn., Praga-Pd. |  Kierunek Direction Praga-Pd. | ul. S. Okrzei 

27.06.N27  ul. Ząbkowska |  Kierunek Direction Praga-Pn. | ul. Ząbkowska 

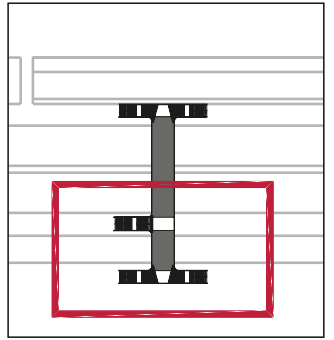
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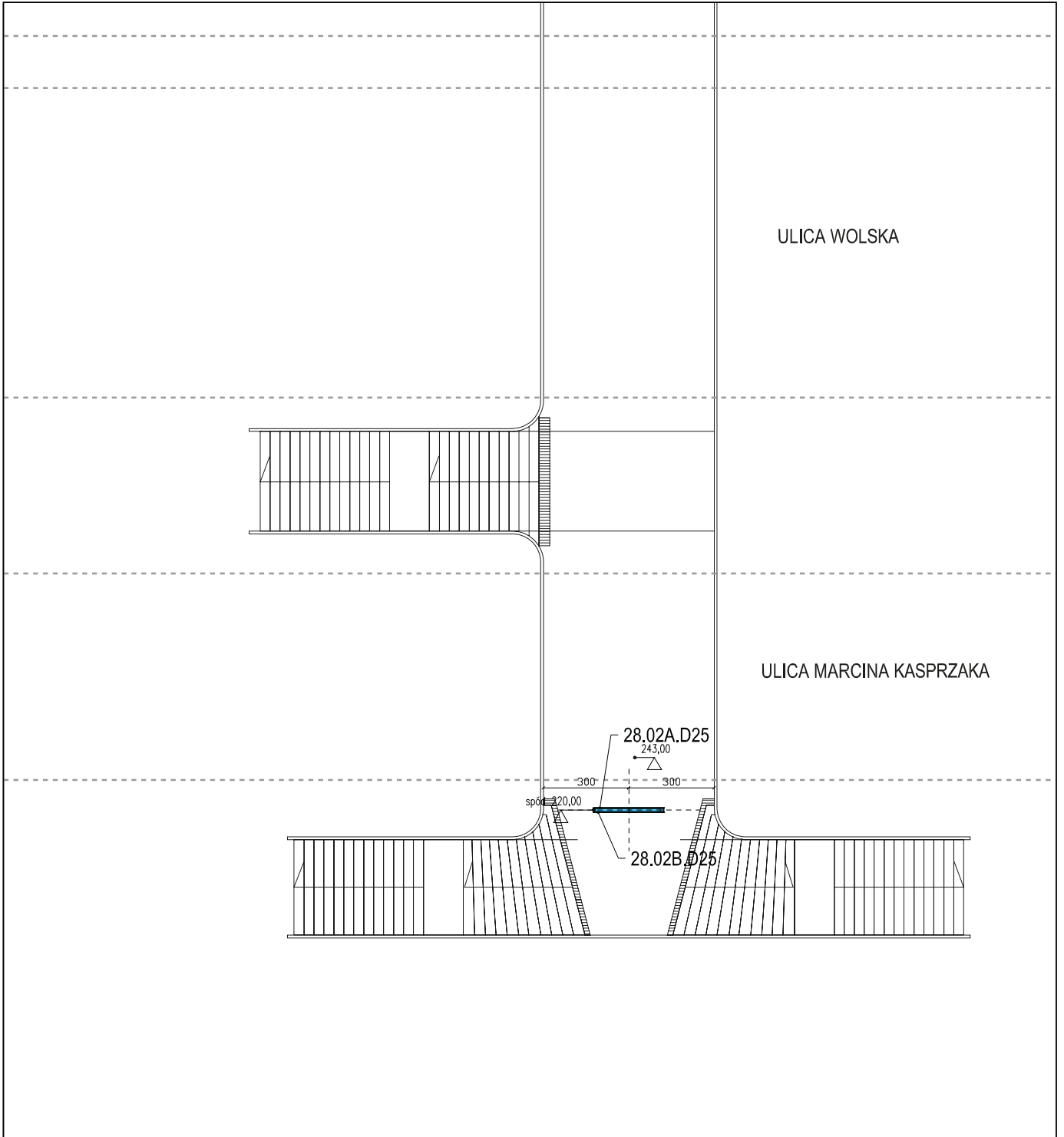
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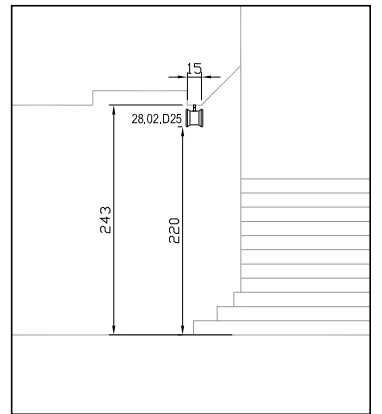
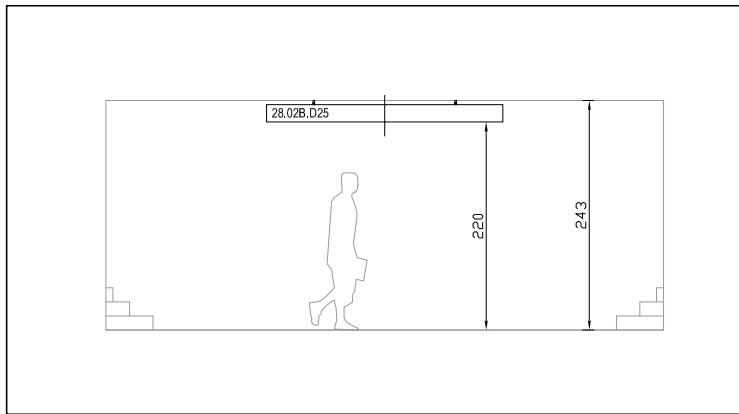
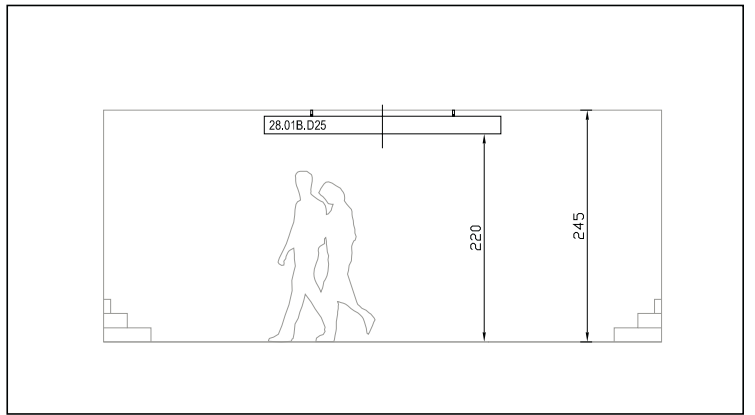
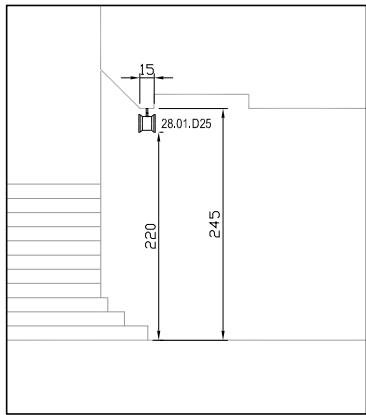


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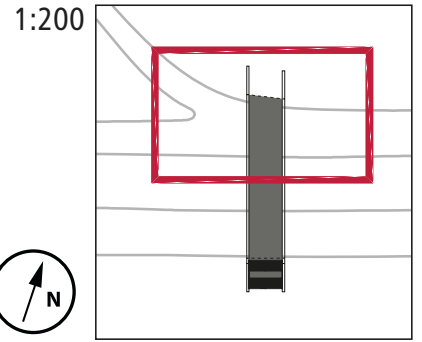




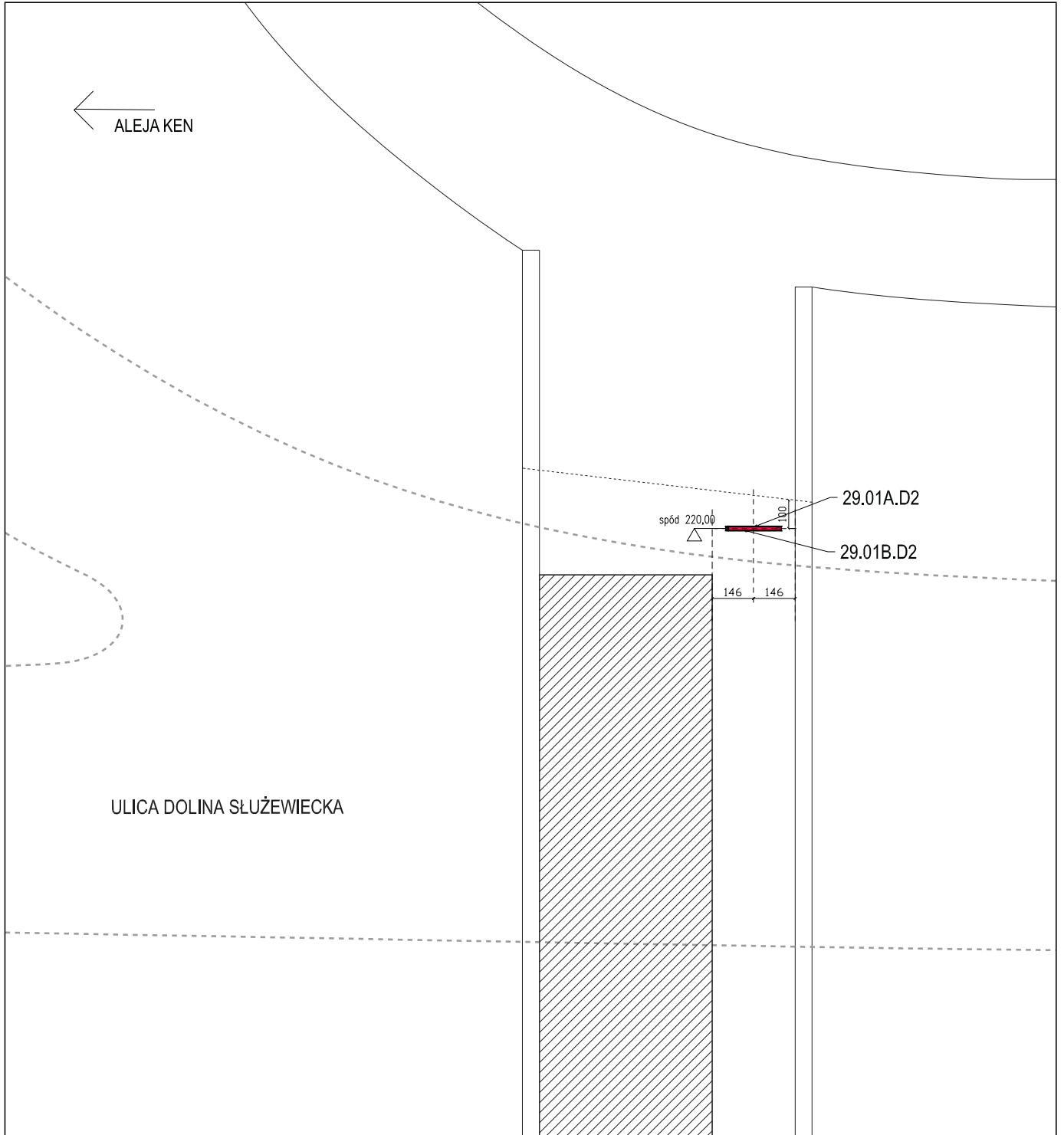
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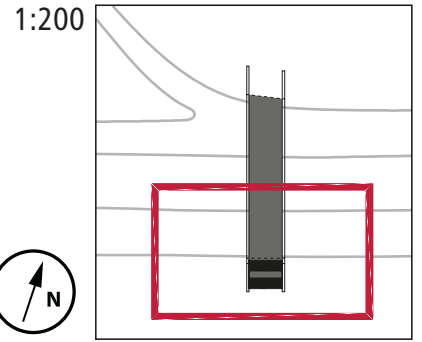


28.01A.D25	 ul. M. Kasprzaka  kierunek direction Centrum
28.01B.D25	 ul. Wolska   kierunek direction Bemowo  kierunek direction Centrum   ul. Redutowa 
28.02A.D25	 ul. M. Kasprzaka  kierunek direction Centrum
28.02B.D25	 ul. Redutowa   kierunek direction Bemowo  kierunek direction Centrum

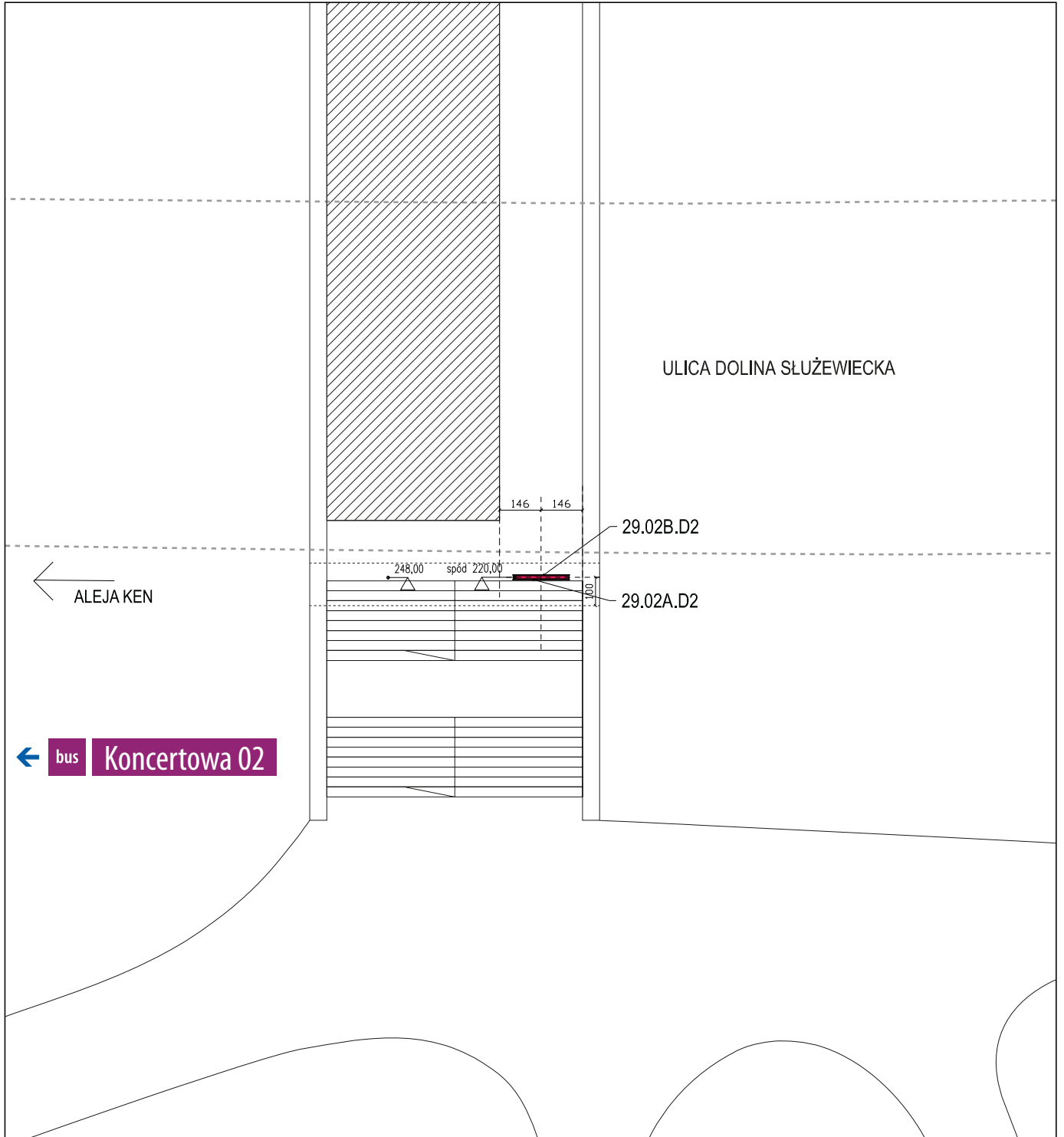


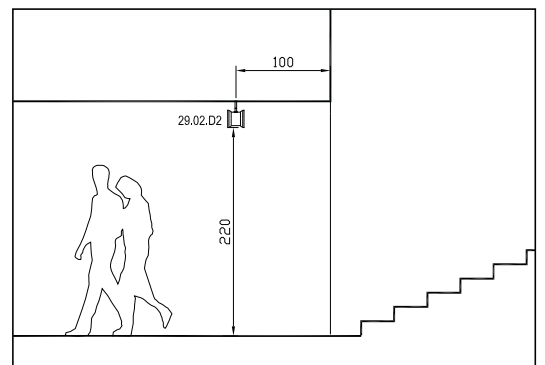
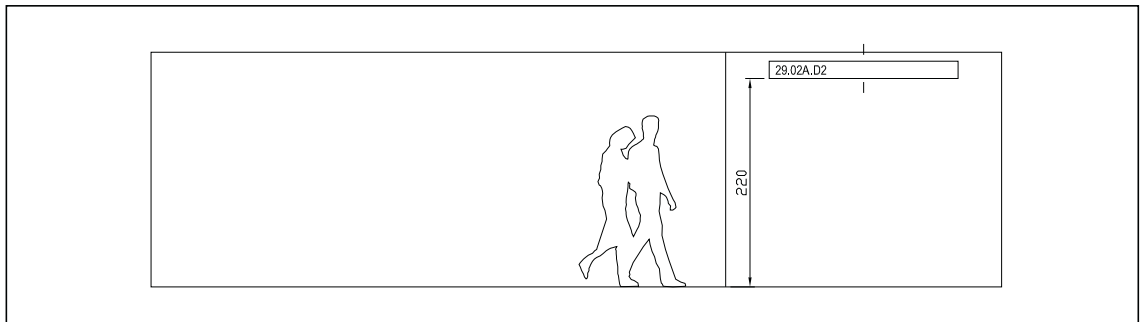
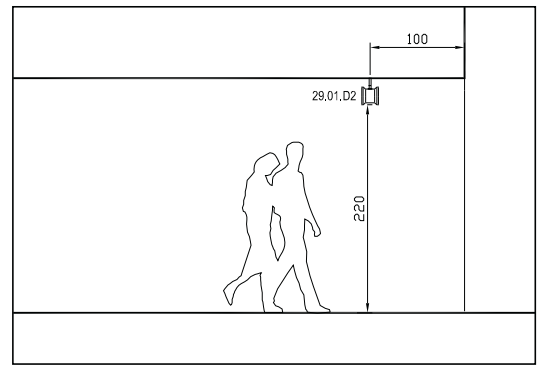
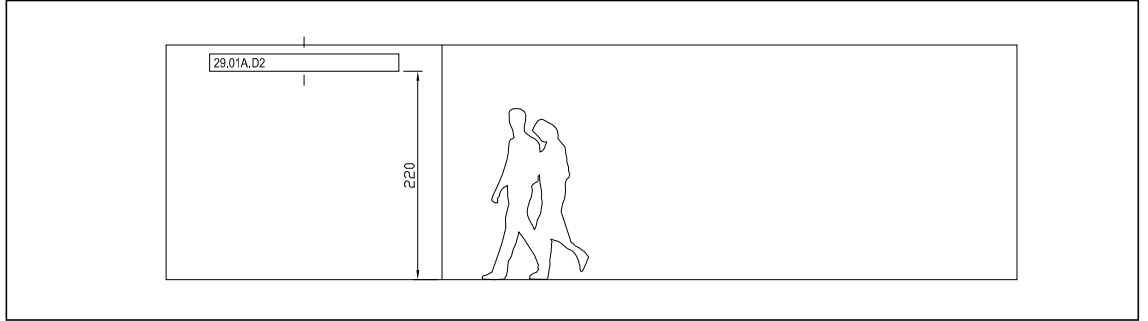
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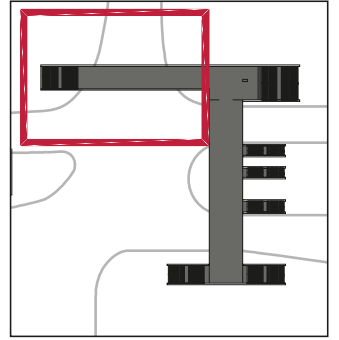




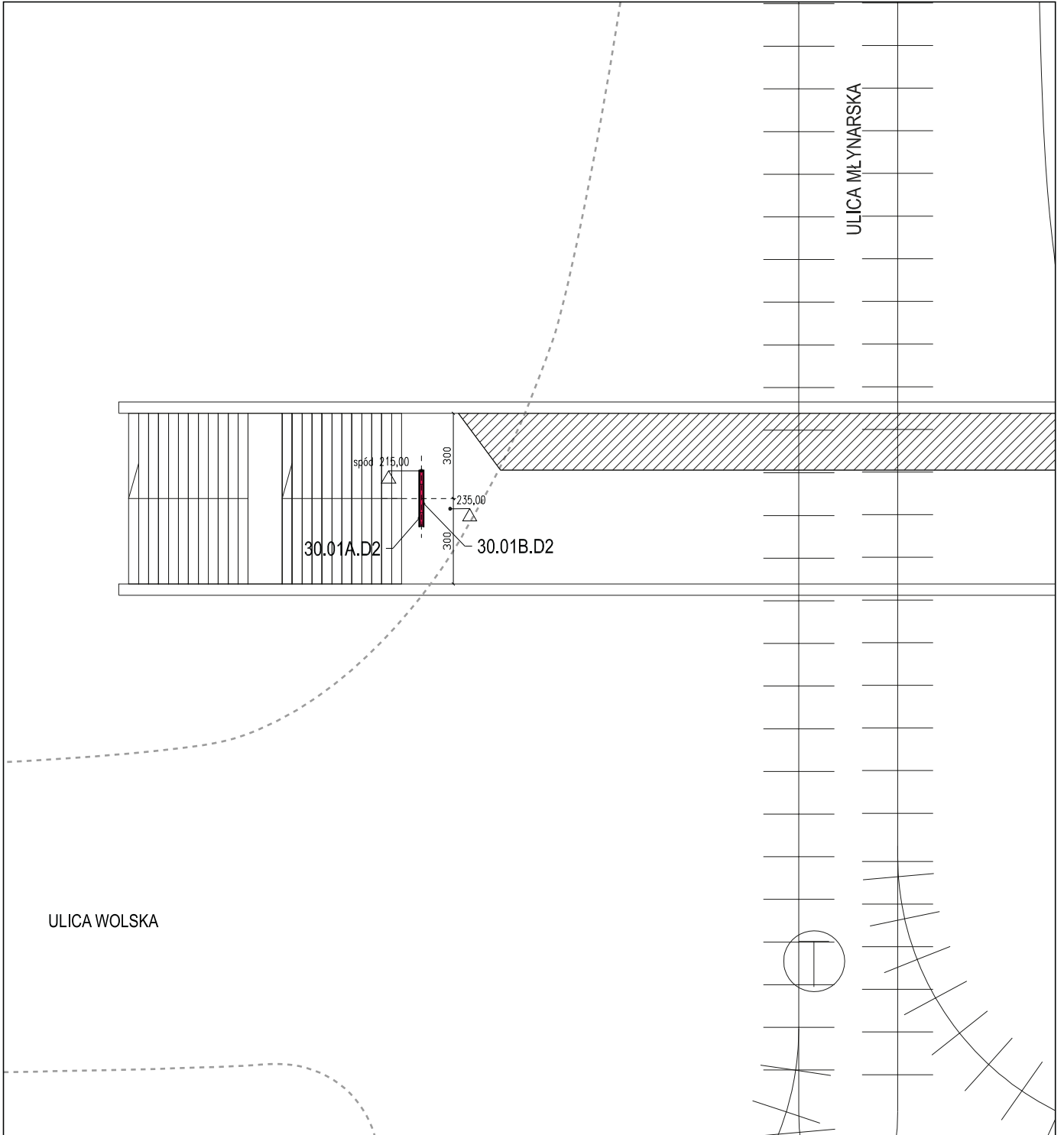
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29.01A.D2	  kierunek direction Mokotów, Ursynów ul. Koncertowa
29.01B.D2	 ul. J. S. Bacha
29.02A.D2	 ul. J. S. Bacha
29.02B.D2	 ul. Koncertowa    kierunek direction Mokotów, Ursynów 

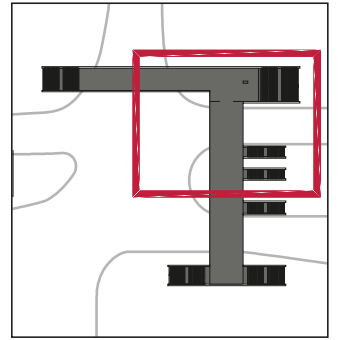
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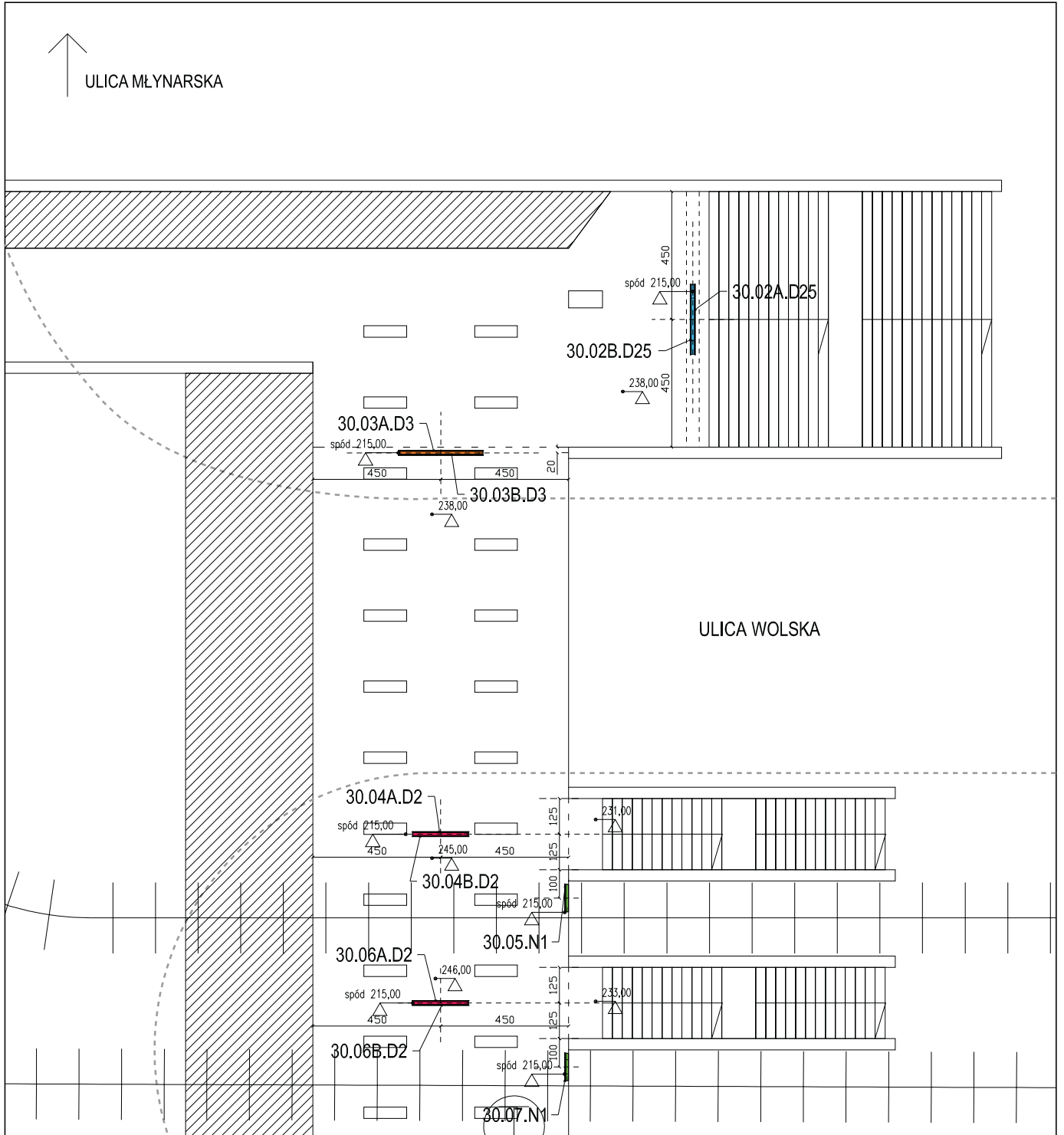
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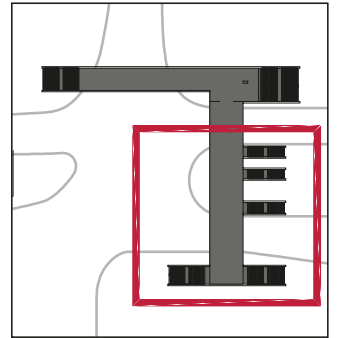
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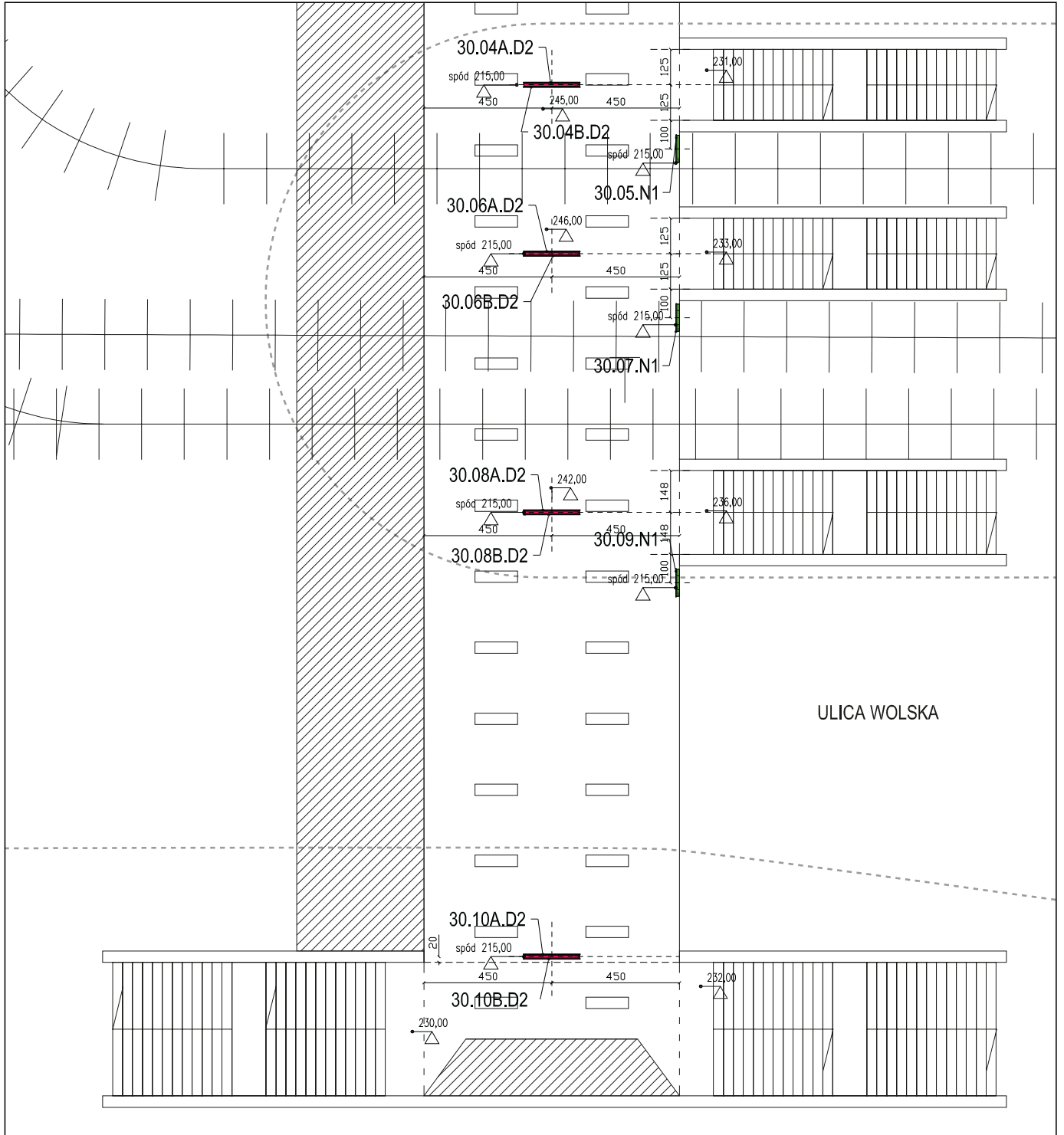
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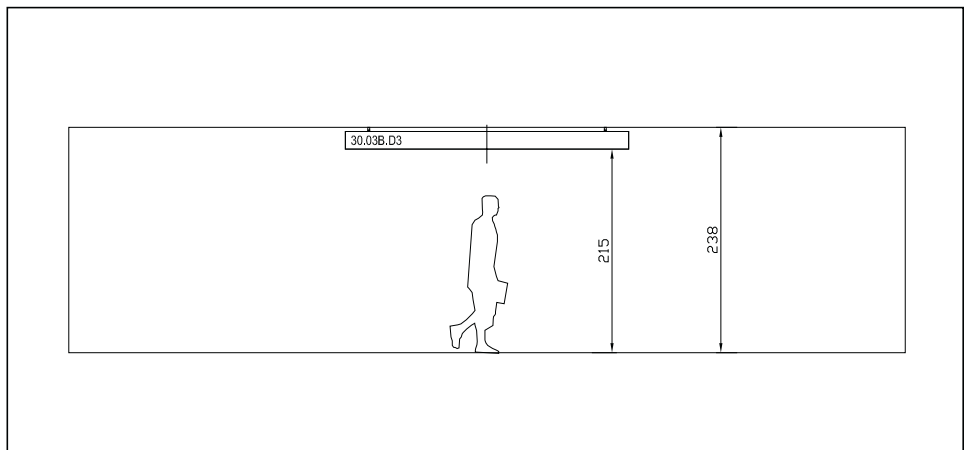
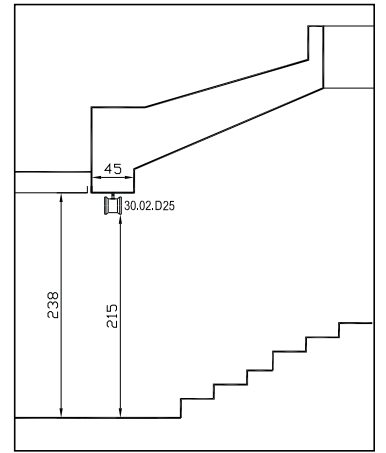
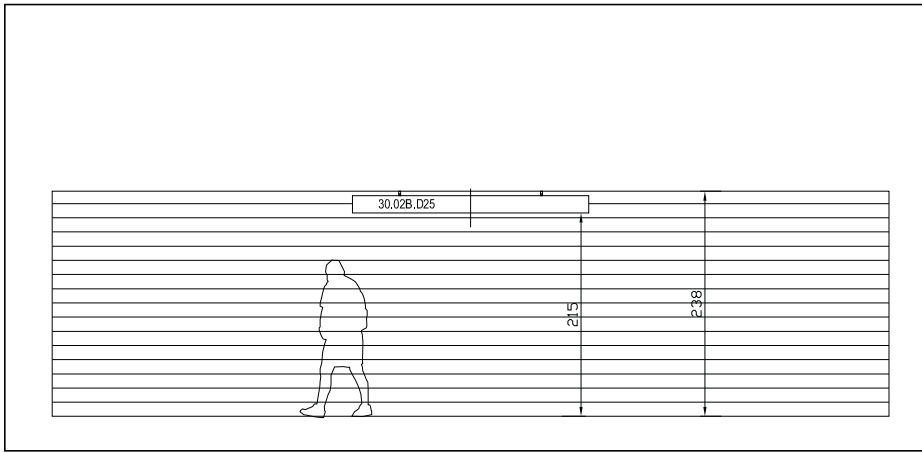
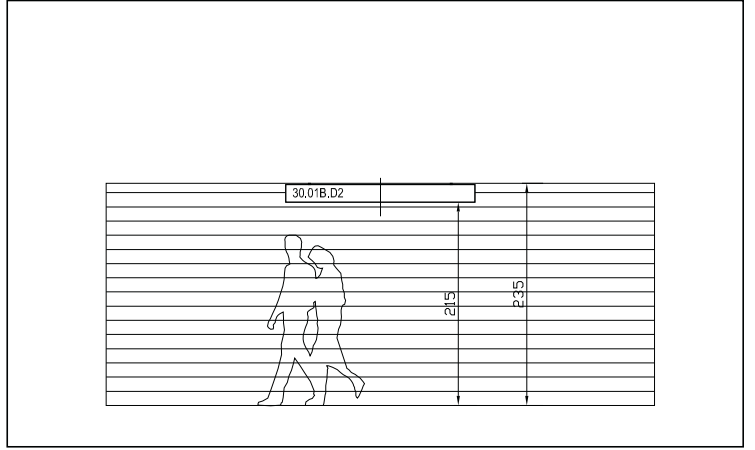
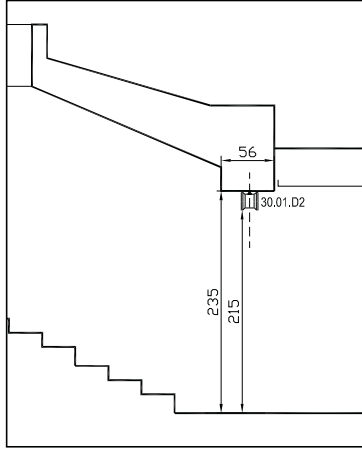
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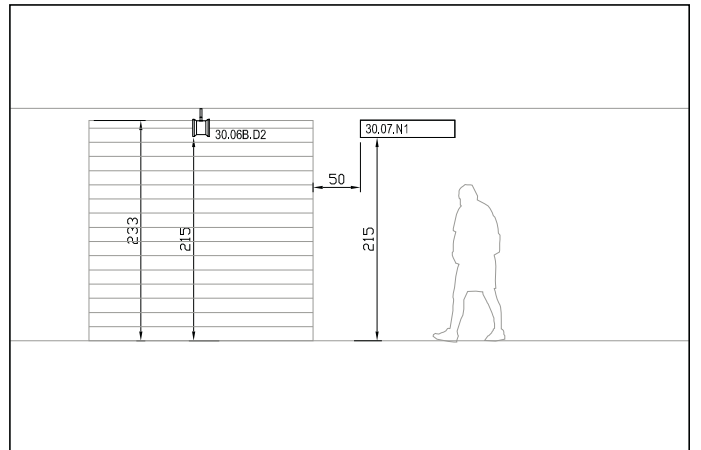
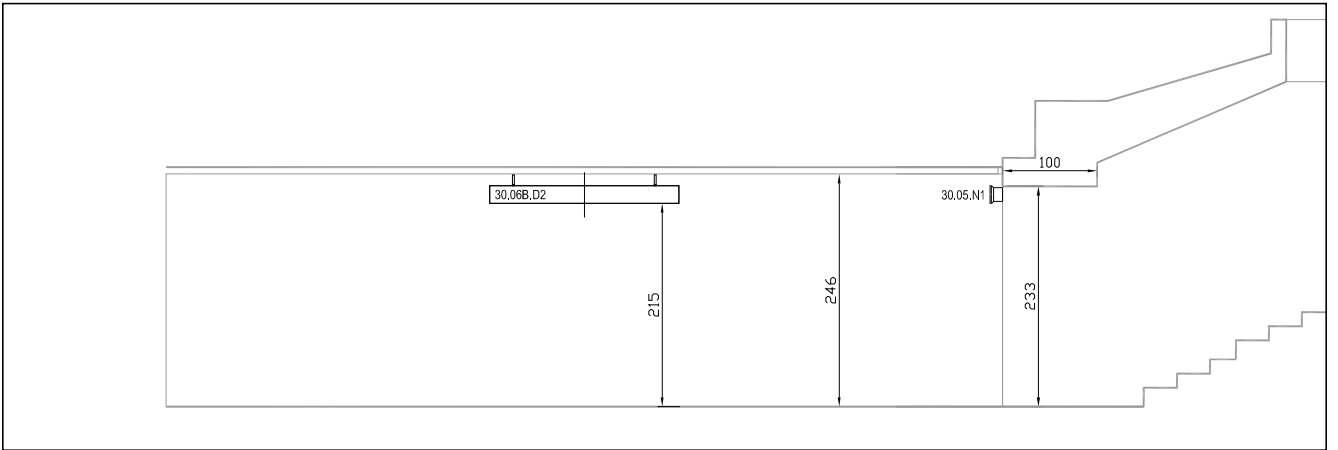
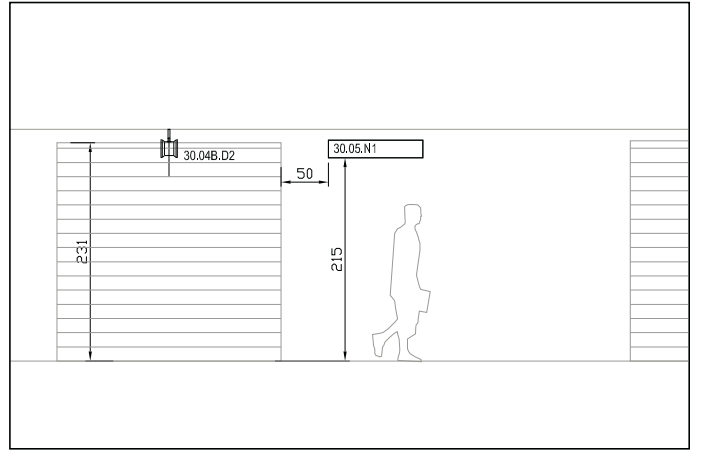
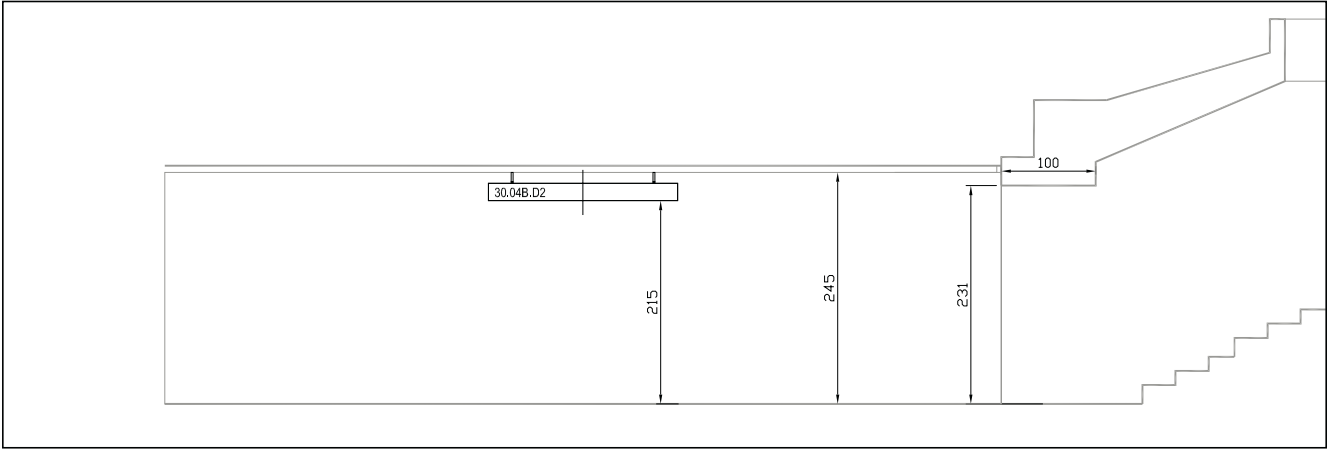
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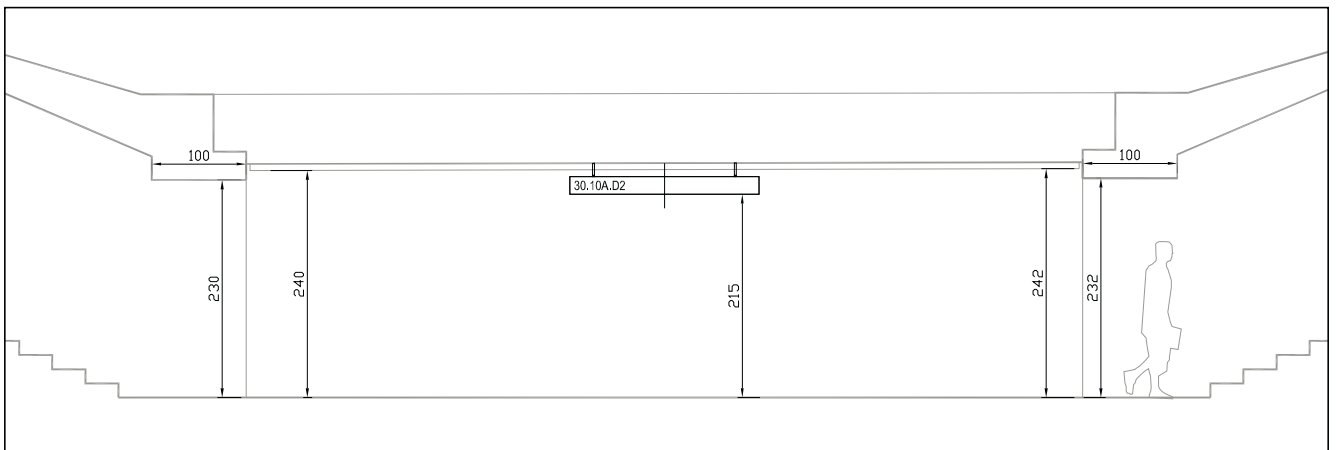
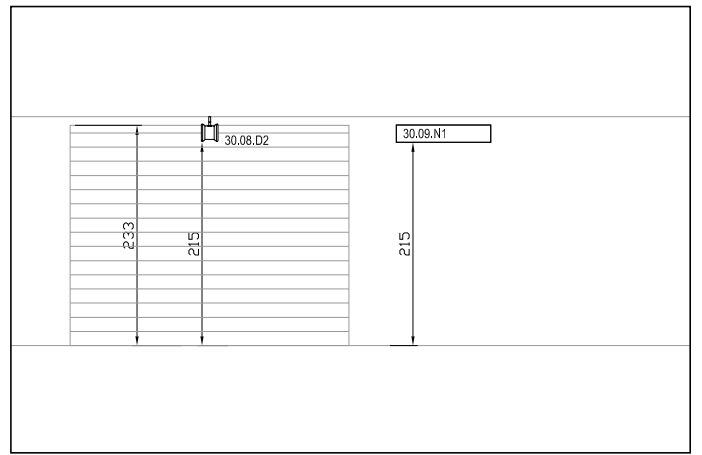
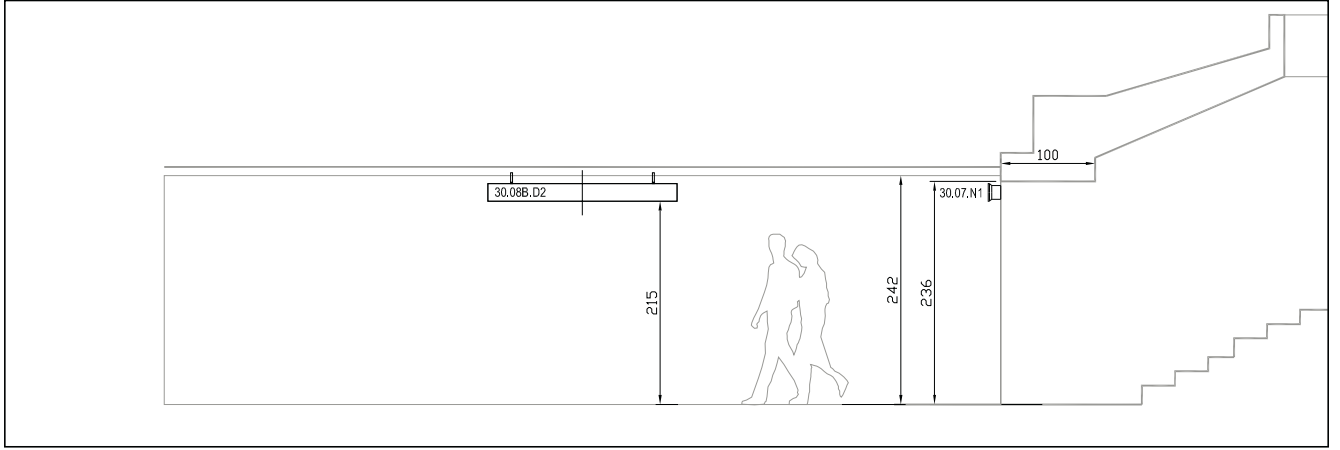



































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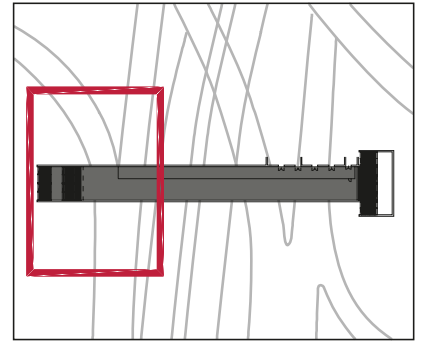


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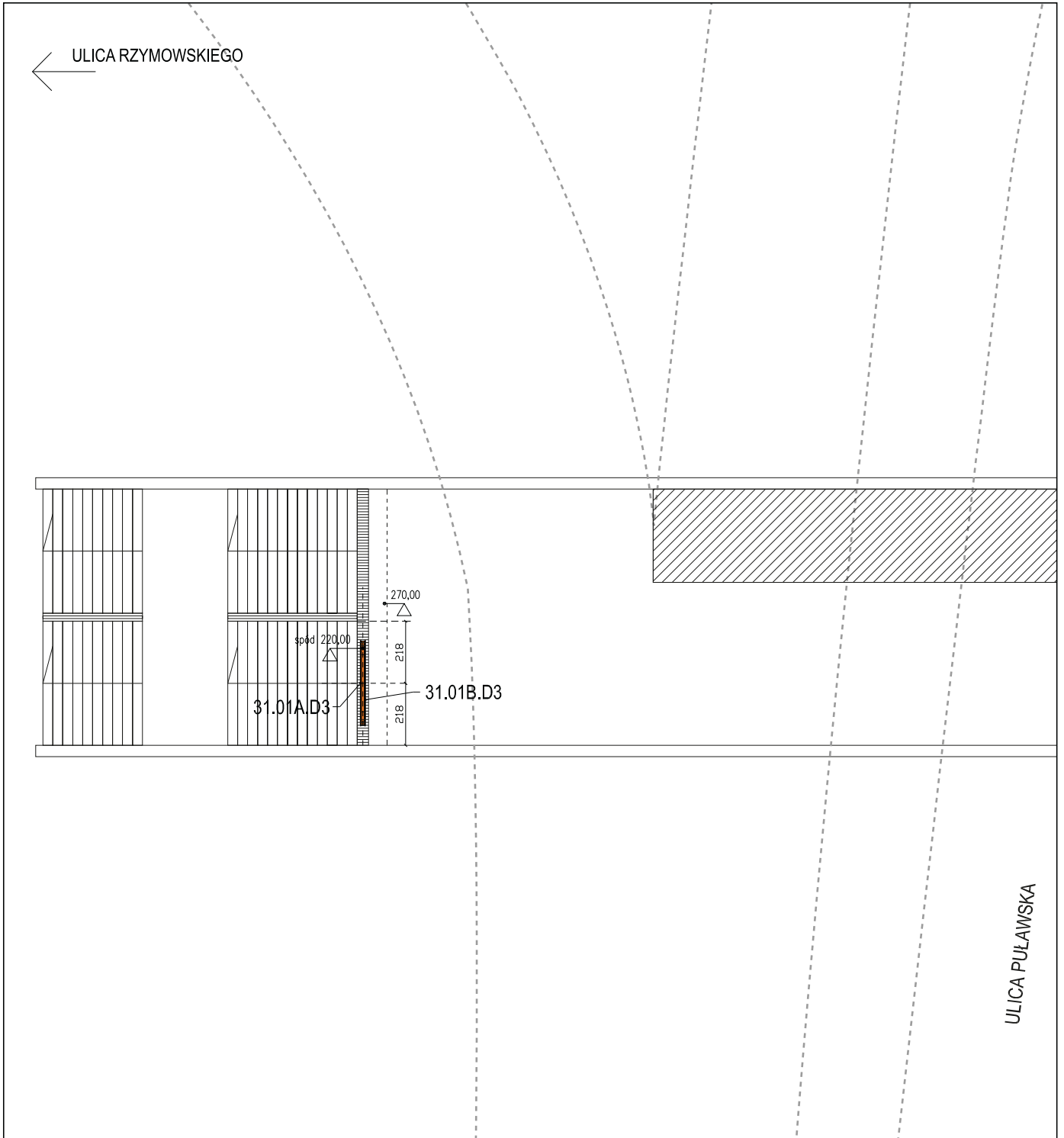
30.01A.D2	  kierunek direction Koło, Jelonki, Centrum	
30.01B.D2	 ul. Wolska	ul. Młynarska 
30.02A.D25	  kierunek direction Koło, Jelonki, Centrum	
30.02B.D25	 ul. Młynarska, ul. Leszno	al. „Solidarności” 
30.03A.D3	  kierunek direction Koło, Jelonki, Centrum	
30.03B.D3	 ul. Wolska	ul. Młynarska
		al. „Solidarności”, ul. Leszno 
30.04A.D2	  kierunek direction Koło	 kierunek direction Jelonki, Centrum 
30.04B.D2	 ul. Młynarska	 kierunek direction Koło 
30.05.N1	  kierunek direction Koło	
30.06A.D2	  kierunek direction Jelonki	 kierunek direction Centrum 
30.06B.D2	  kierunek direction Koło	 kierunek direction Jelonki 
30.07.N1	  kierunek direction Jelonki	

30.08A.D2	
30.08B.D2	 
30.09.N1	
30.10A.D2	ul. Wolska
30.10B.D2	

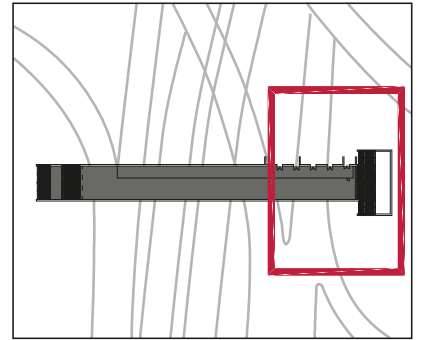
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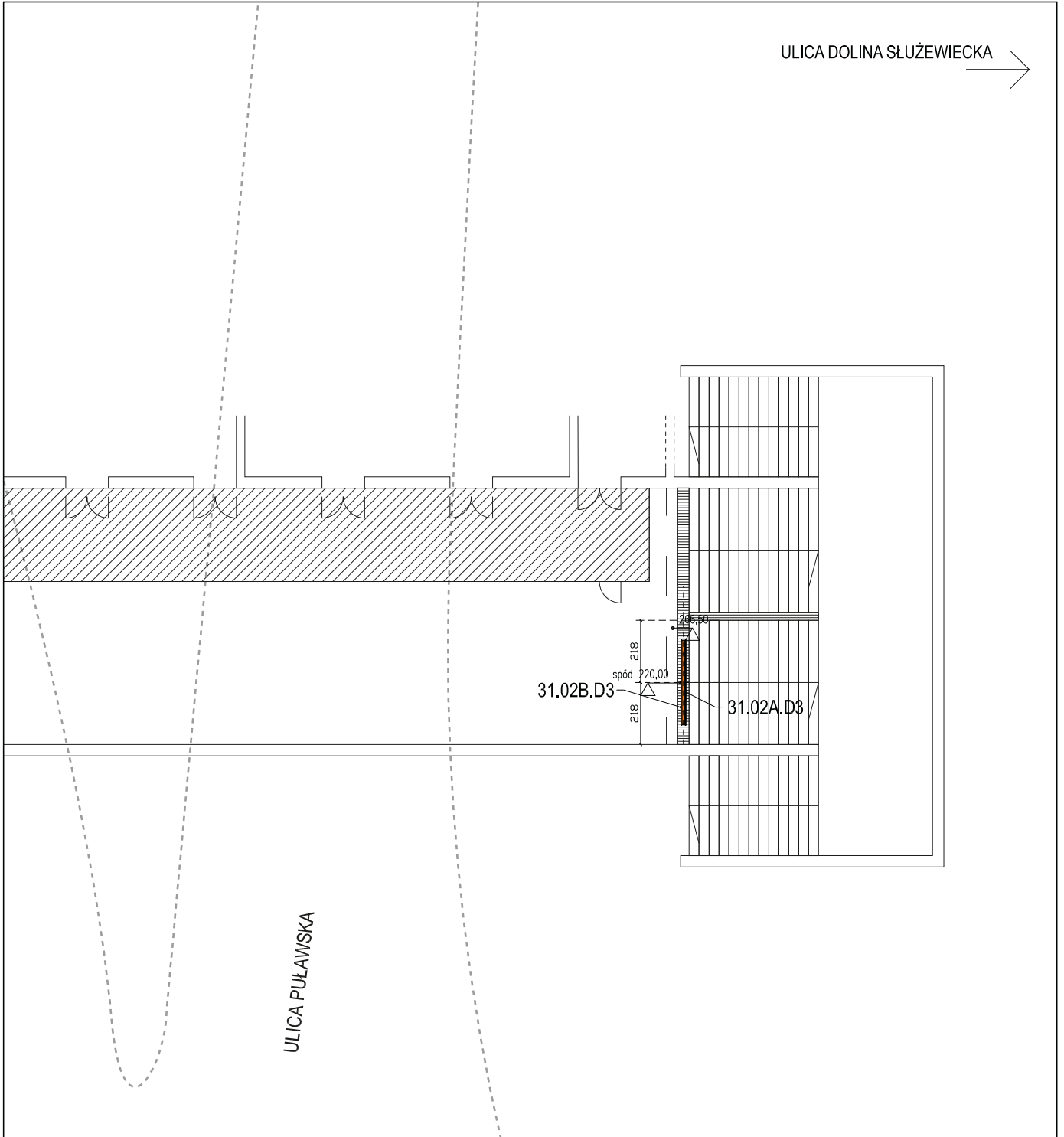
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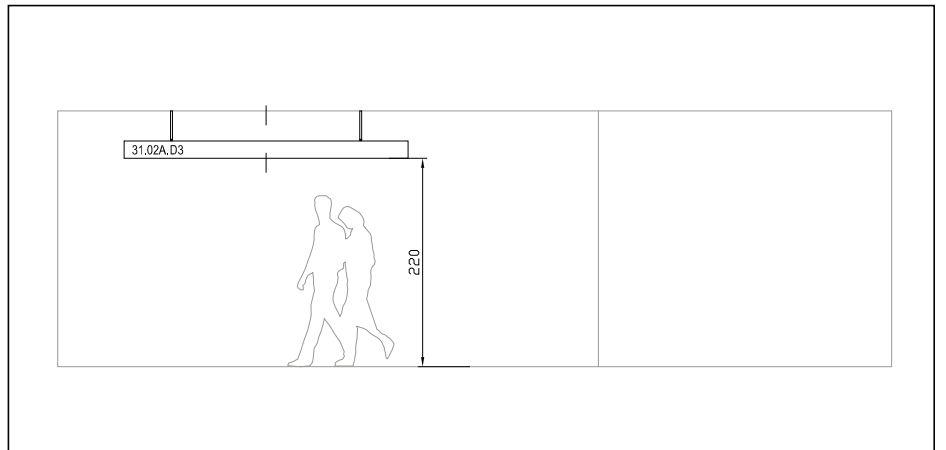
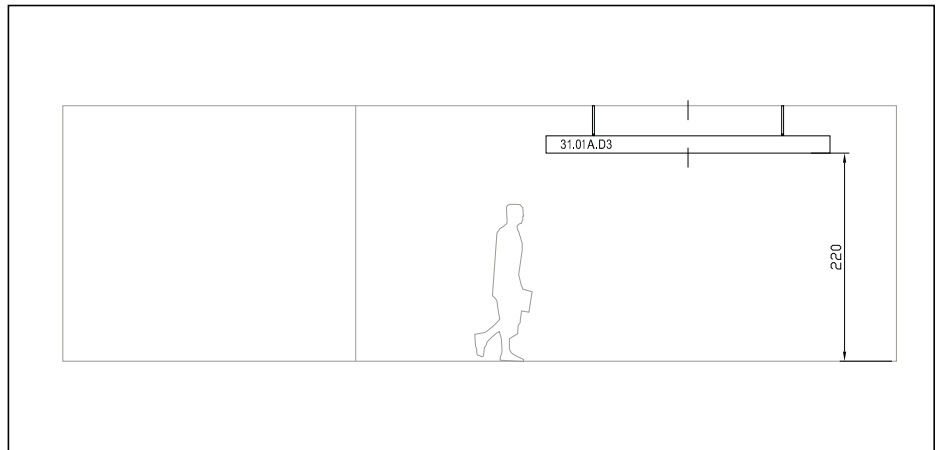


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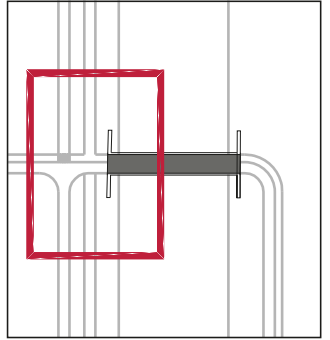


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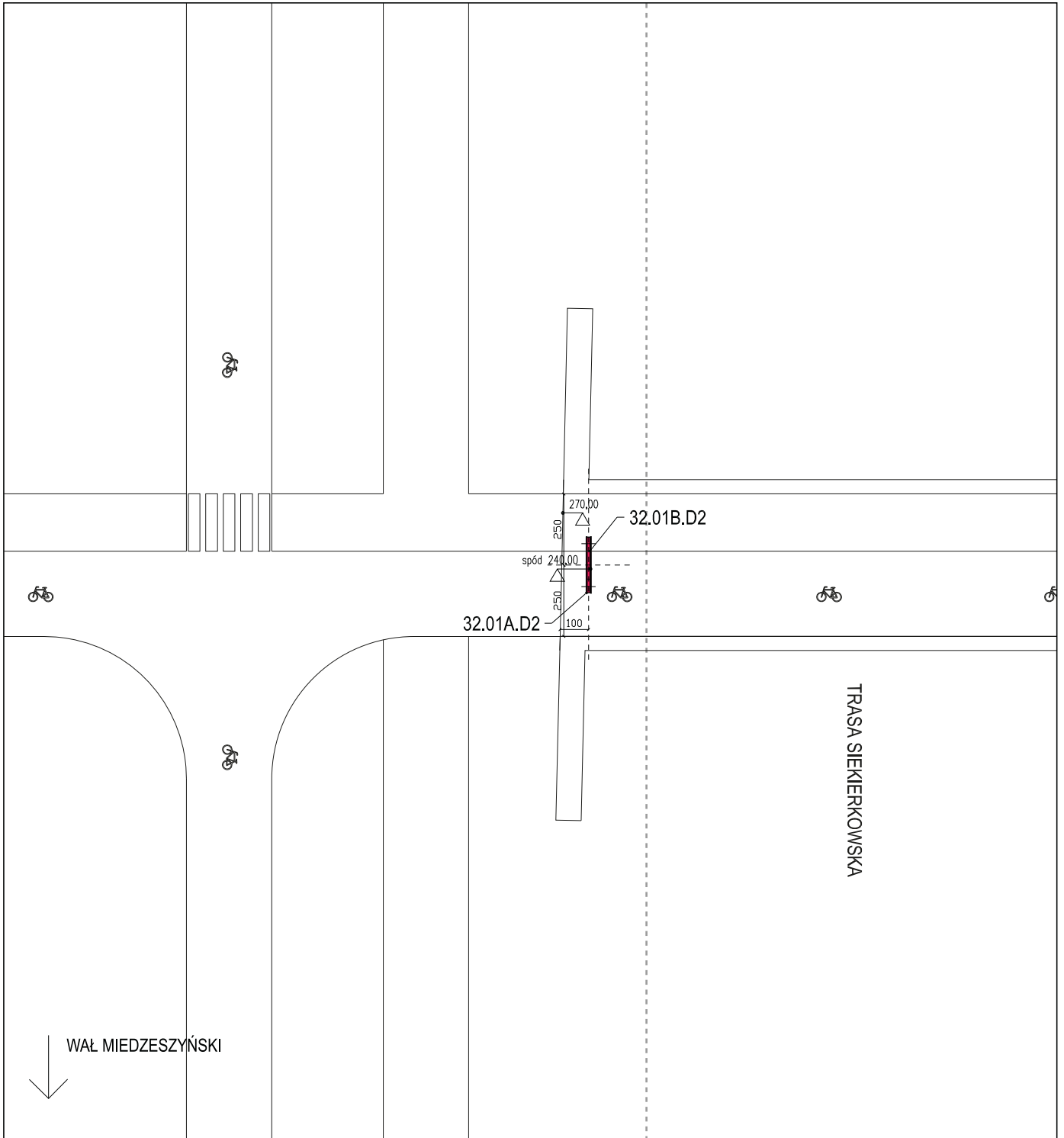


31.01A.D3	  kierunek direction <b>Mokotów</b> ul. Dolina Służewiecka	
31.01B.D3	  kierunek direction <b>Ursynów, Piaseczno</b> Hipodrom Służewiec	ul. W. Rzymowskiego 
31.02A.D3	  kierunek direction <b>Ursynów, Piaseczno</b> Hipodrom Służewiec, ul. W. Rzymowskiego	
31.02B.D3	  kierunek direction <b>Mokotów</b> ul. Dolina Służewiecka	

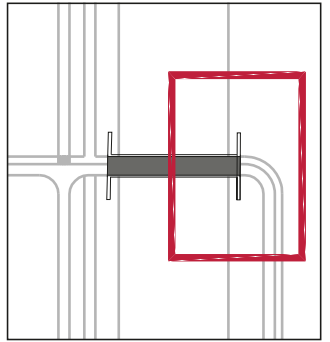
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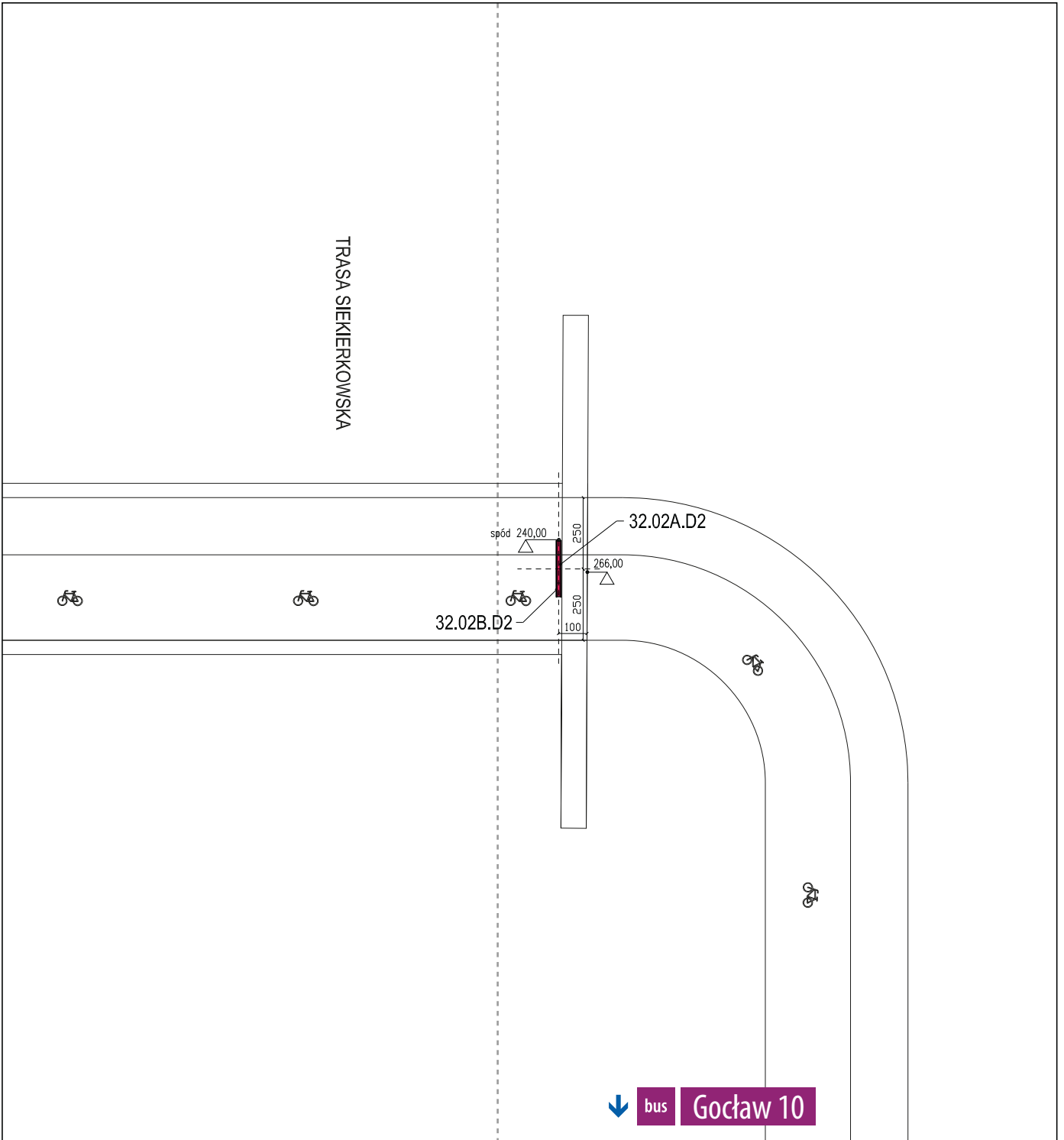
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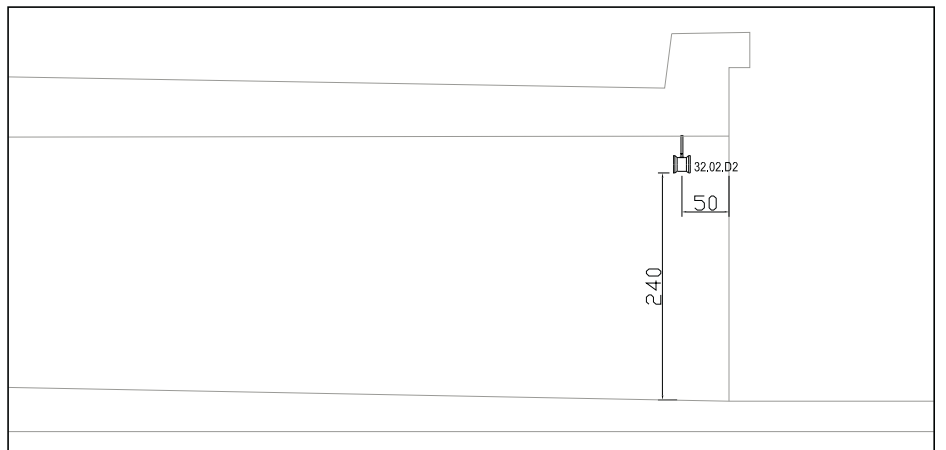
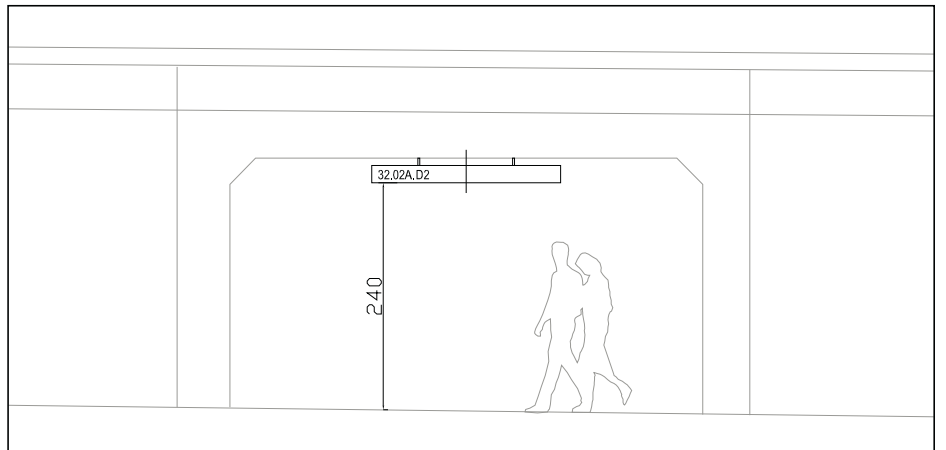
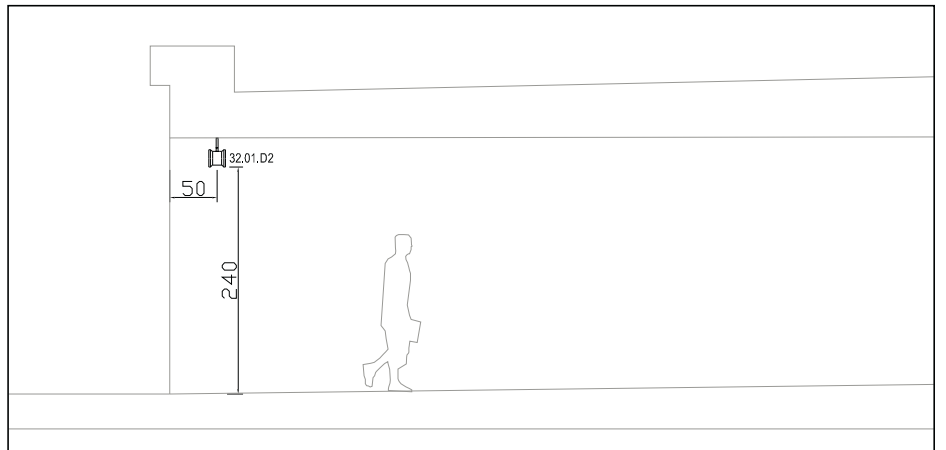
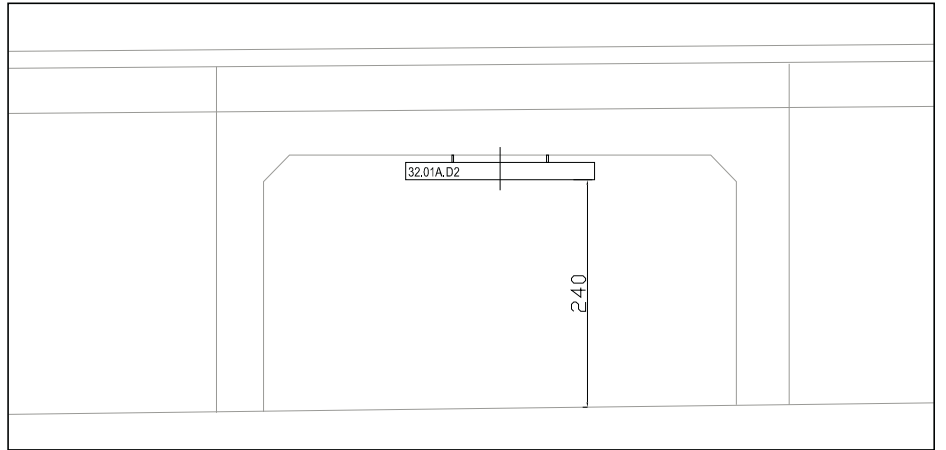


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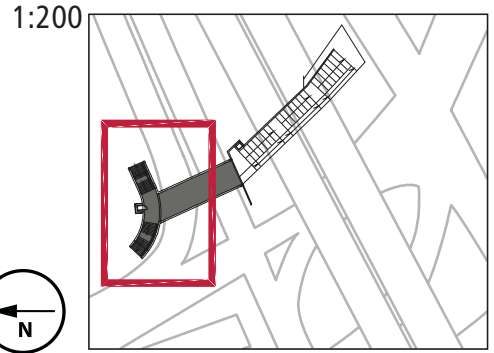
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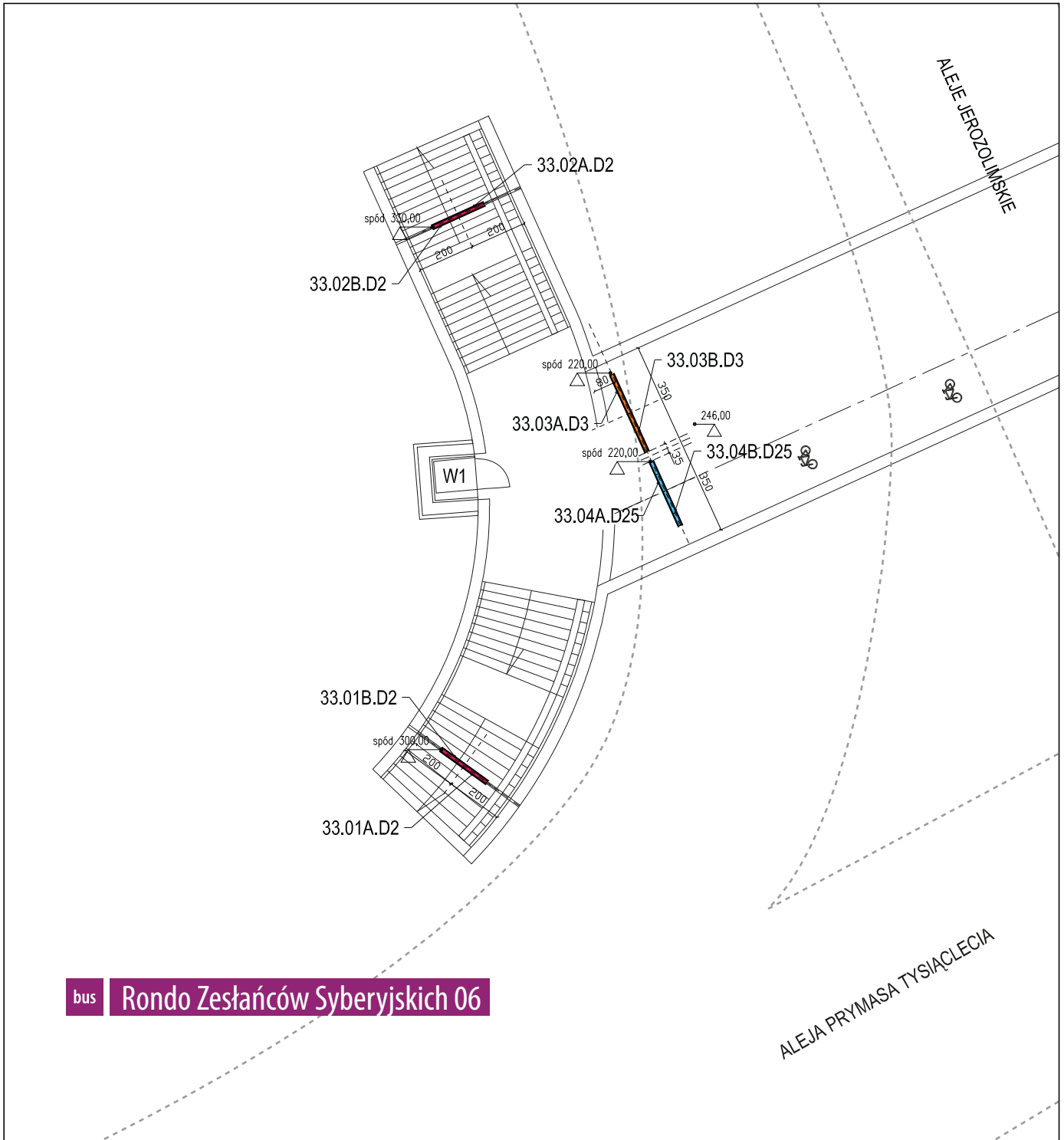


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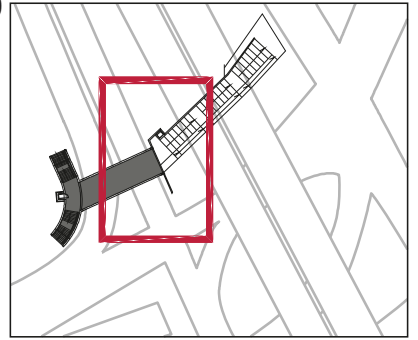
- 32.01A.D2   kierunek direction  
Rembertów, Wesola **ul. Kosmatki** 
- 32.01B.D2   kierunek direction  
Mokotów, Wawer **ul. F. Znanieckiego** 
- 32.02A.D2   kierunek direction  
Mokotów, Wawer **ul. F. Znanieckiego** 
- 32.02B.D2  **ul. Kosmatki**   kierunek direction  
Rembertów, Wesola 



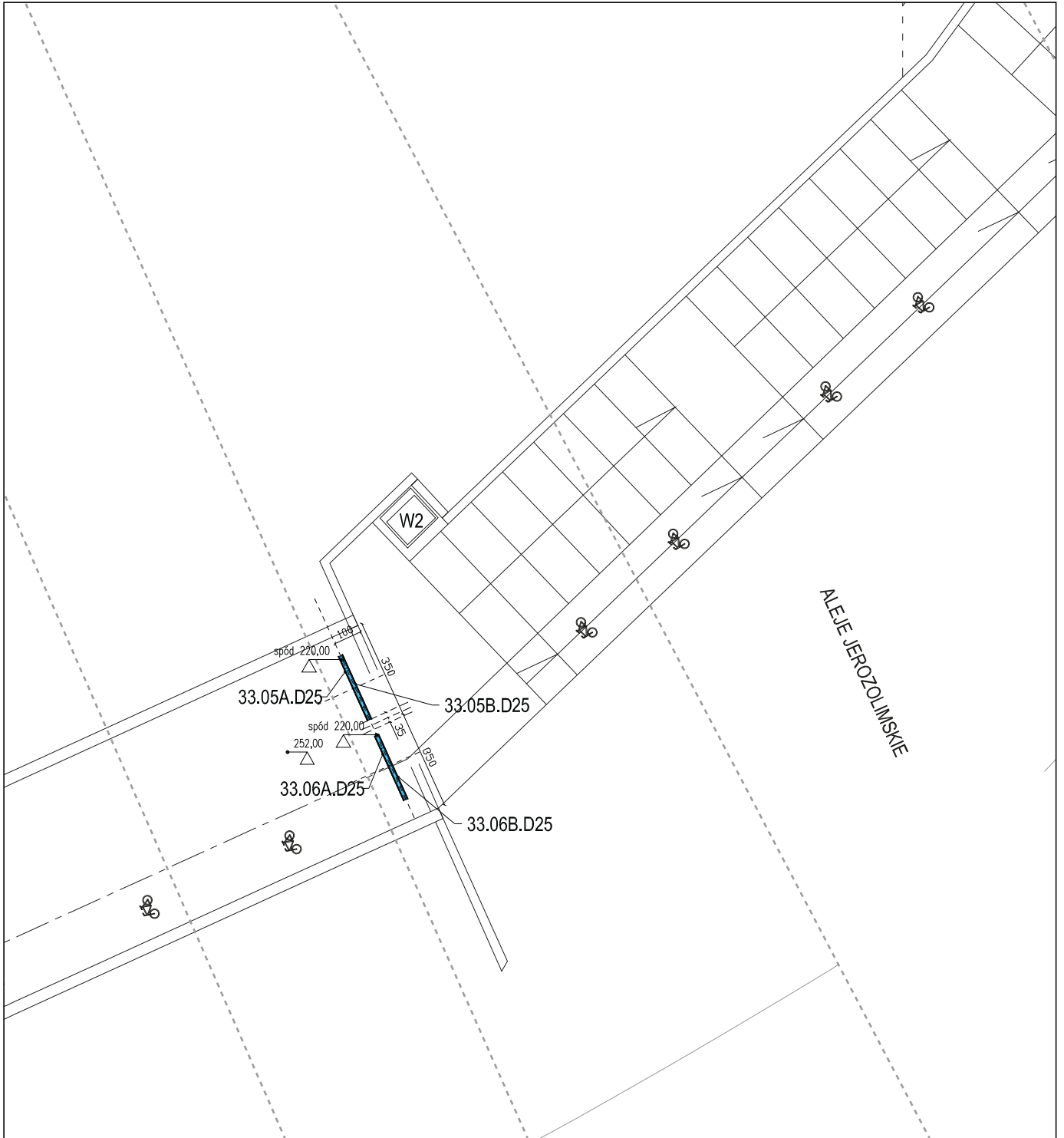
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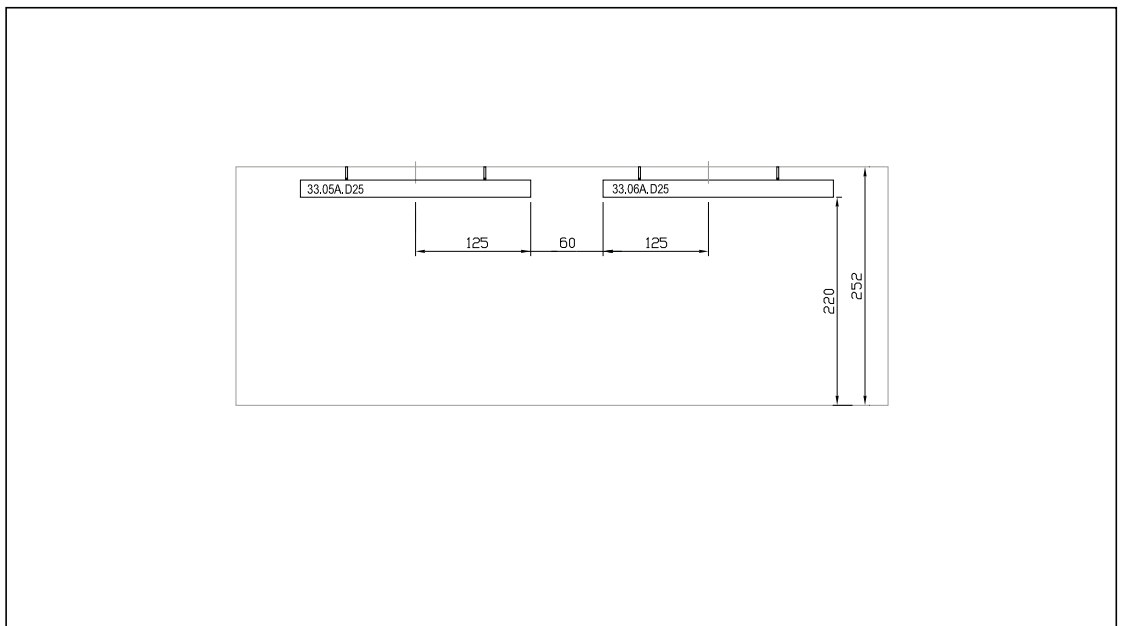
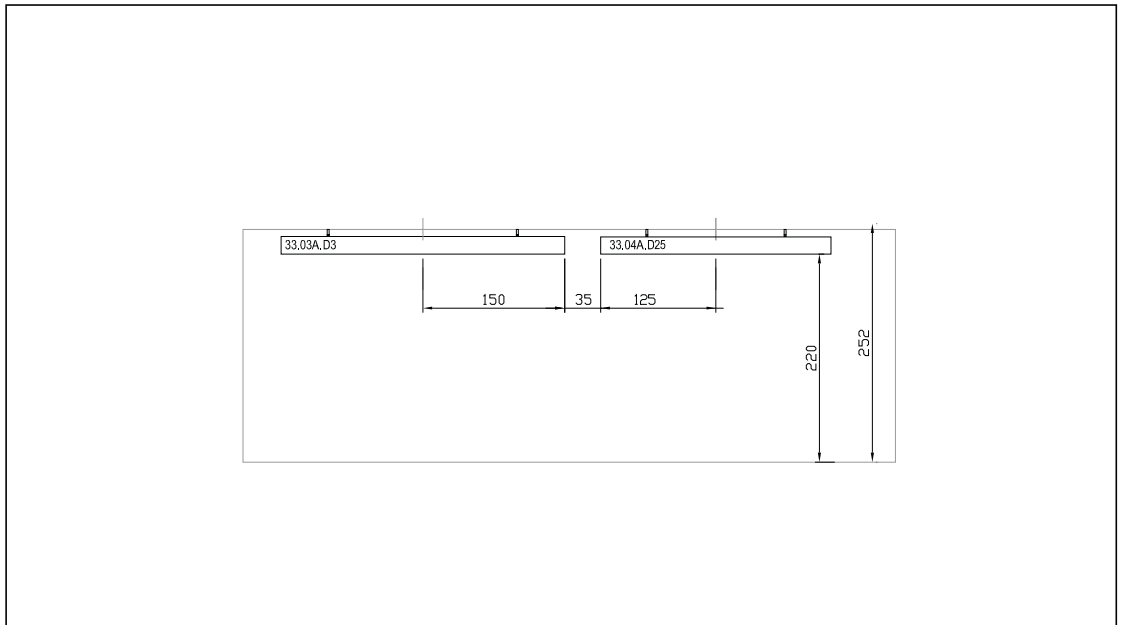
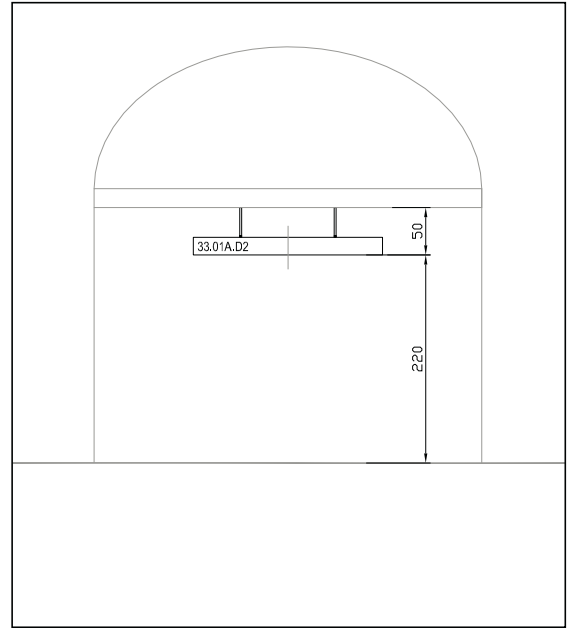
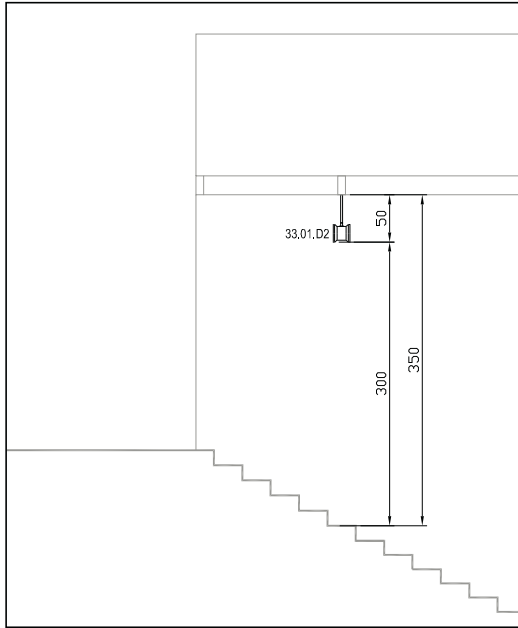


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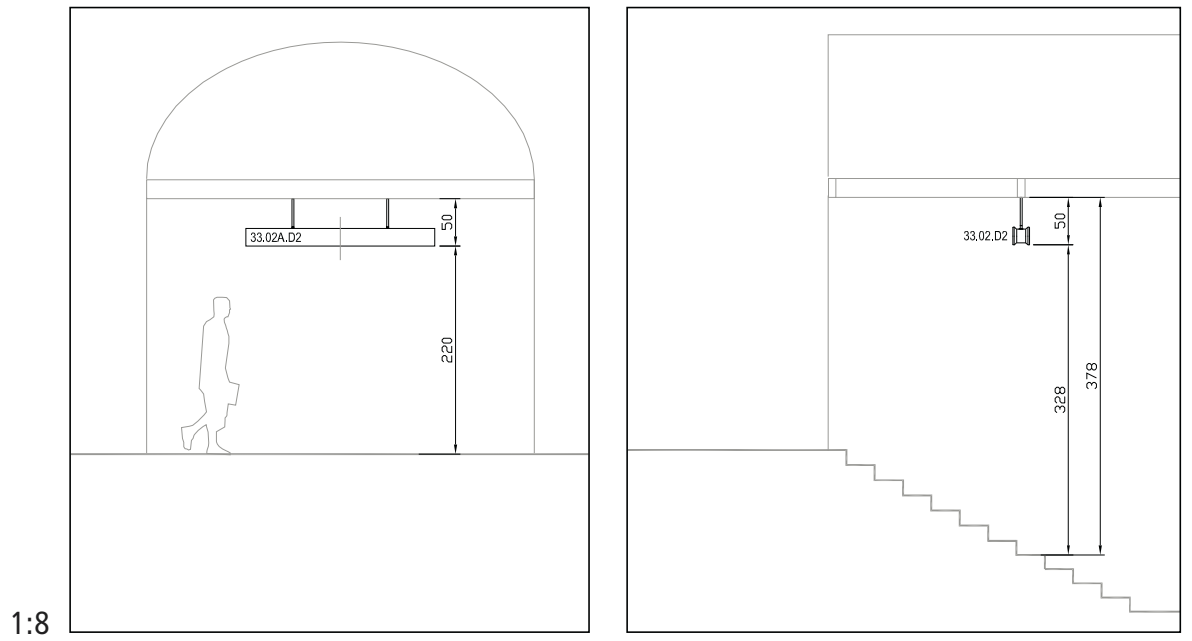
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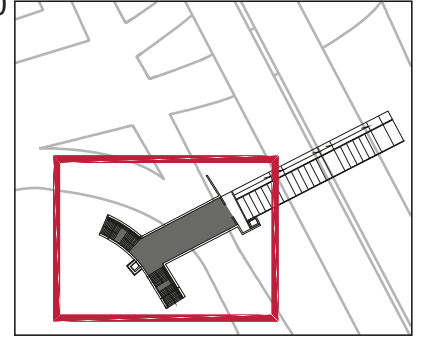
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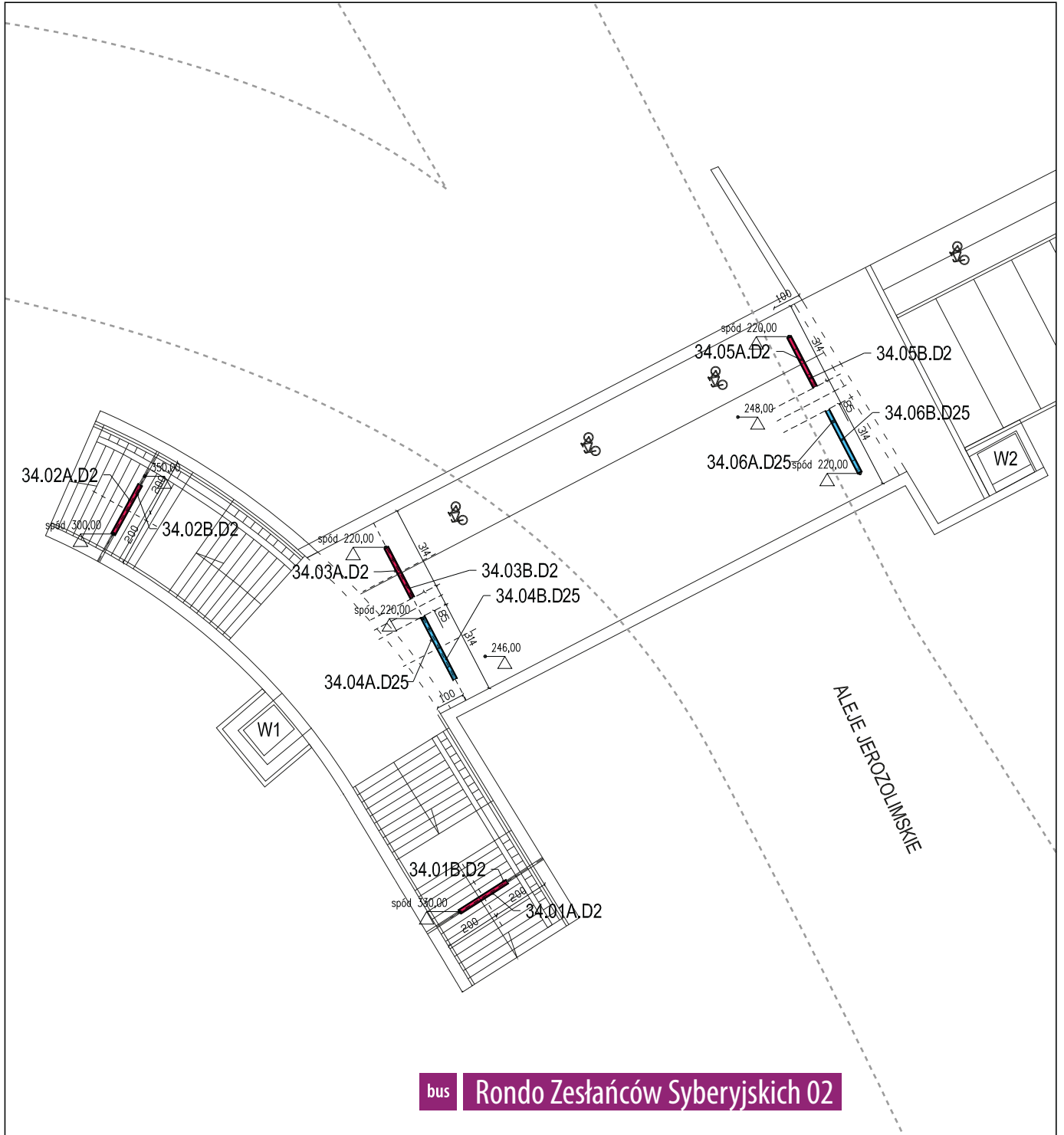


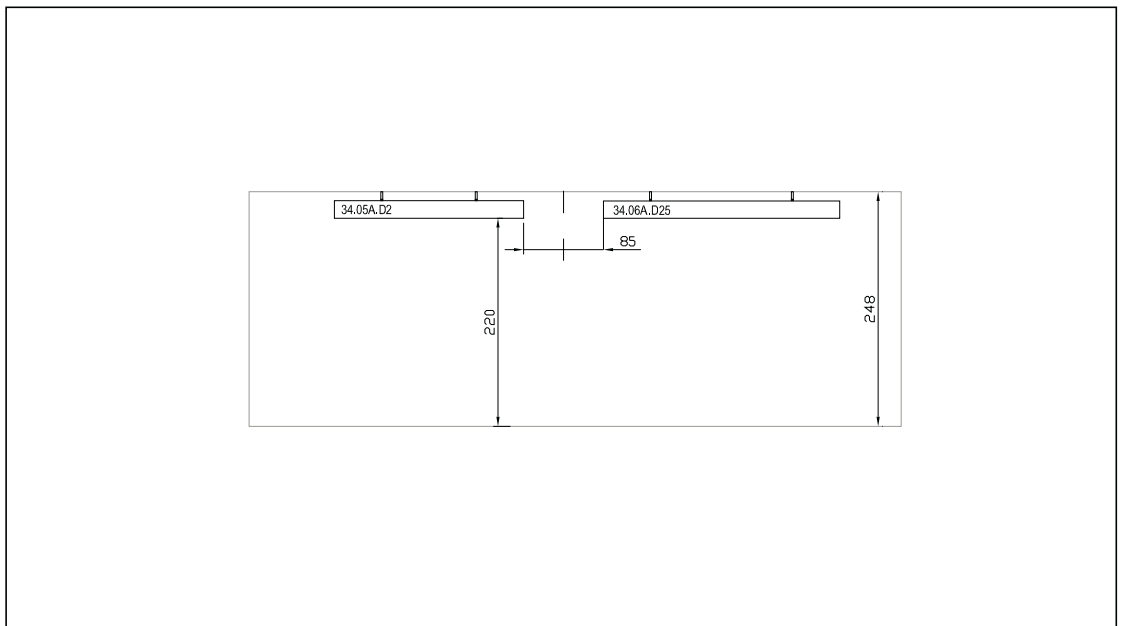
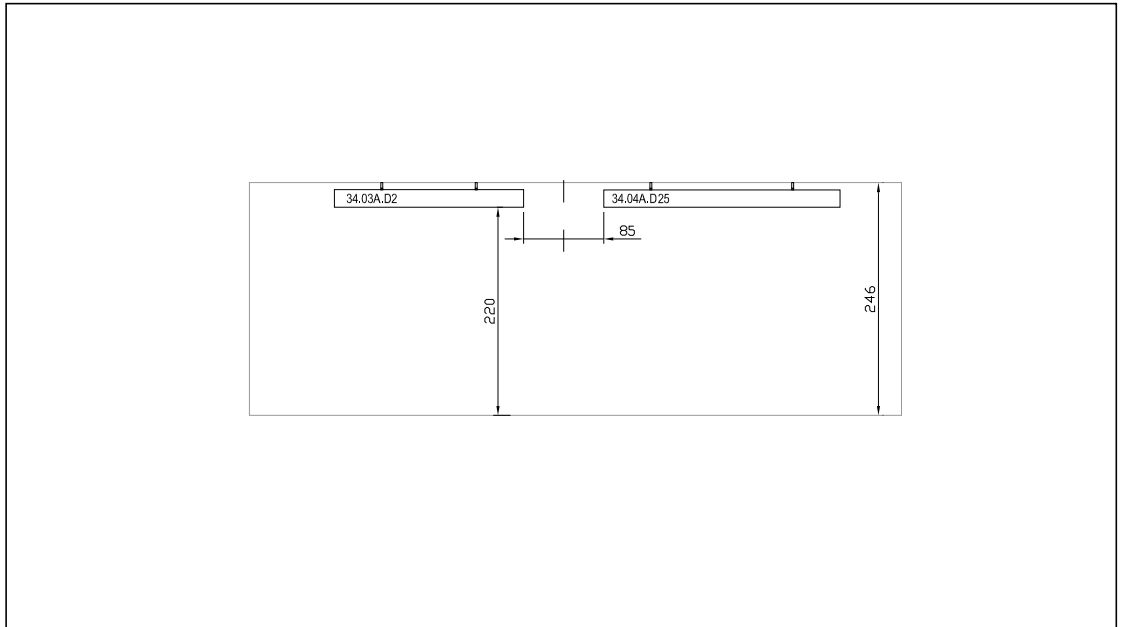
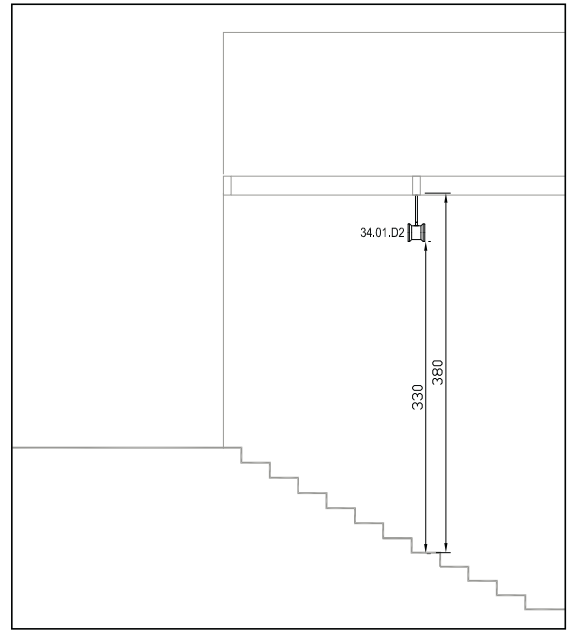
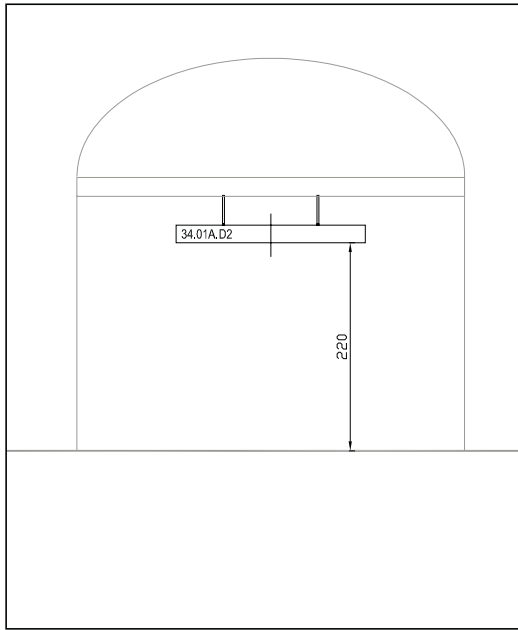
33.01A.D2	  kierunek direction Centrum, Mokotów 
33.01B.D2	al.Prymasa Tysiąclecia  kierunek direction Wola 
33.02A.D2	  kierunek direction Centrum, Mokotów
33.02B.D2	 Dw.Zachodni  Warszawa Zachodnia
33.03A.D3	 Al.Jerozolimskie  kierunek direction Centrum 
33.03B.D3	 Dw.Zachodni  Warszawa Zachodnia, Al.Jerozolimskie  
33.04A.D25	 ul.Bitwy Warszawskiej 1920 r.  kierunek direction Mokotów 
33.04B.D25	  al.Prymasa Tysiąclecia  kierunek direction Wola 
33.05A.D25	   Al.Jerozolimskie  kierunek direction Centrum  
33.05B.D25	  Dw.Zachodni  Warszawa Zachodnia
33.06A.D25	  ul.Bitwy Warszawskiej 1920 r.  kierunek direction Mokotów 
33.06B.D25	 al.Prymasa Tysiąclecia  kierunek direction Wola 

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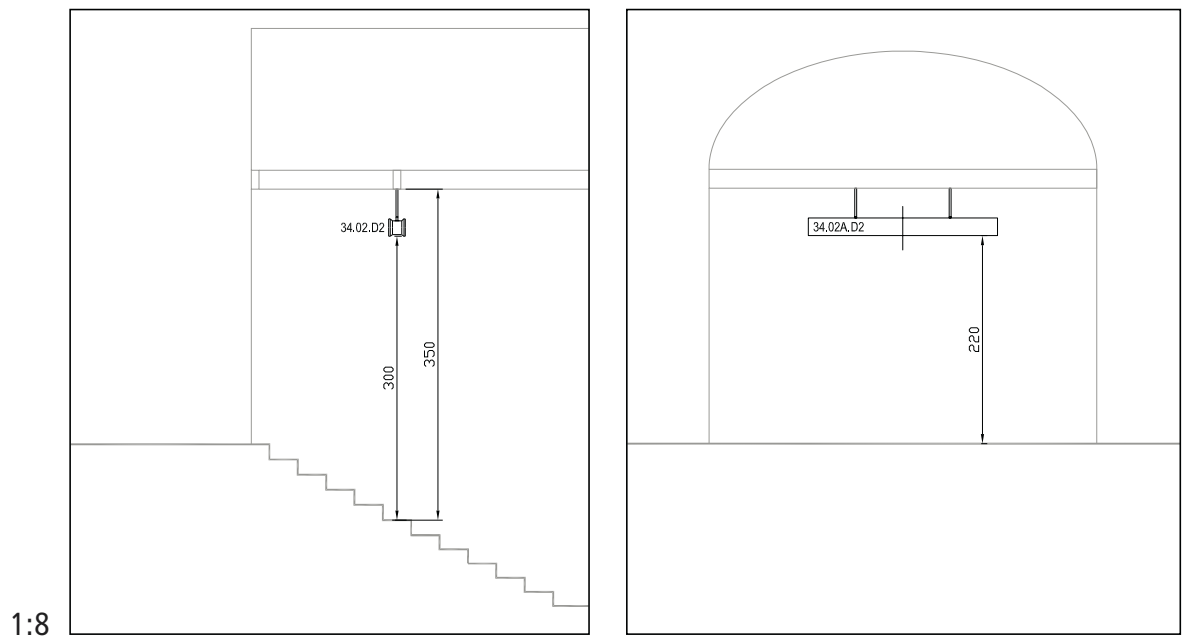

































1:20



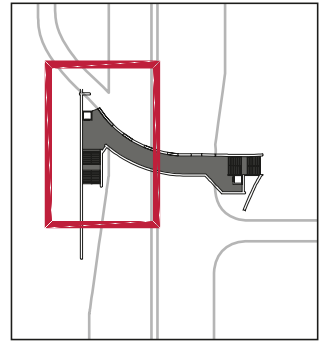


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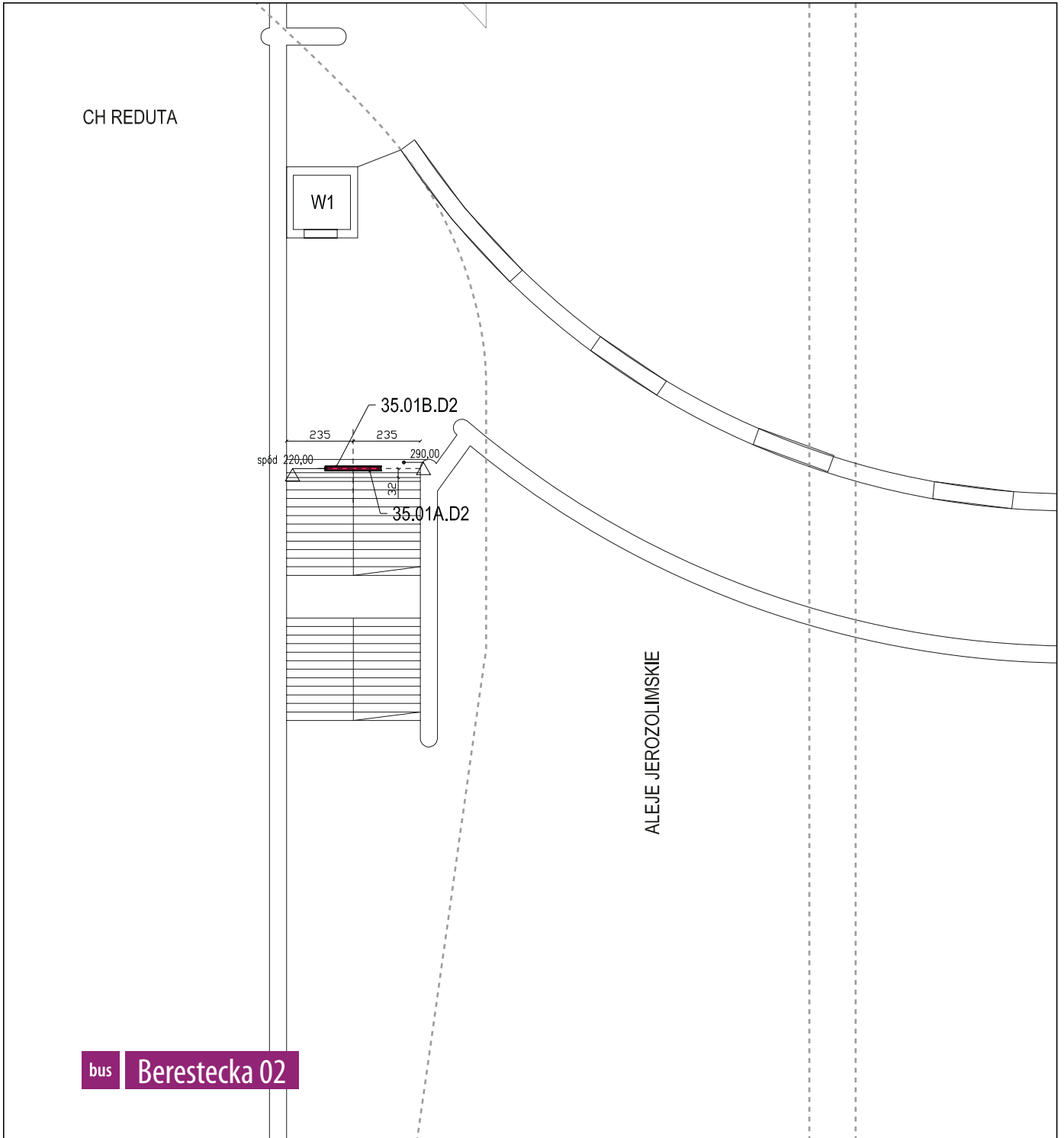


34.01A.D2	  kierunek direction Mokotów, Wola, Centrum 
34.01B.D2	Al. Jerozolimskie  kierunek direction Włochy, Ursus 
34.02A.D2	  kierunek direction Mokotów, Wola, Centrum
34.02B.D2	al. Prymasa Tysiąclecia
34.03A.D2	 Al. Jerozolimskie  kierunek direction Centrum 
34.03B.D2	al. Prymasa Tysiąclecia  
34.04A.D25	 ul. Bitwy Warszawskiej 1920 r.  kierunek direction Mokotów, Wola 
34.04B.D25	  Al. Jerozolimskie  kierunek direction Włochy, Ursus 
34.05A.D2	 Al. Jerozolimskie  kierunek direction Centrum 
34.05B.D2	 al. Prymasa Tysiąclecia
34.06A.D25	 ul. Bitwy Warszawskiej 1920 r.  kierunek direction Mokotów, Wola   
34.06A.D25	 Al. Jerozolimskie  kierunek direction Włochy, Ursus 

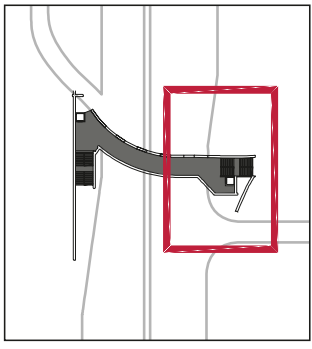
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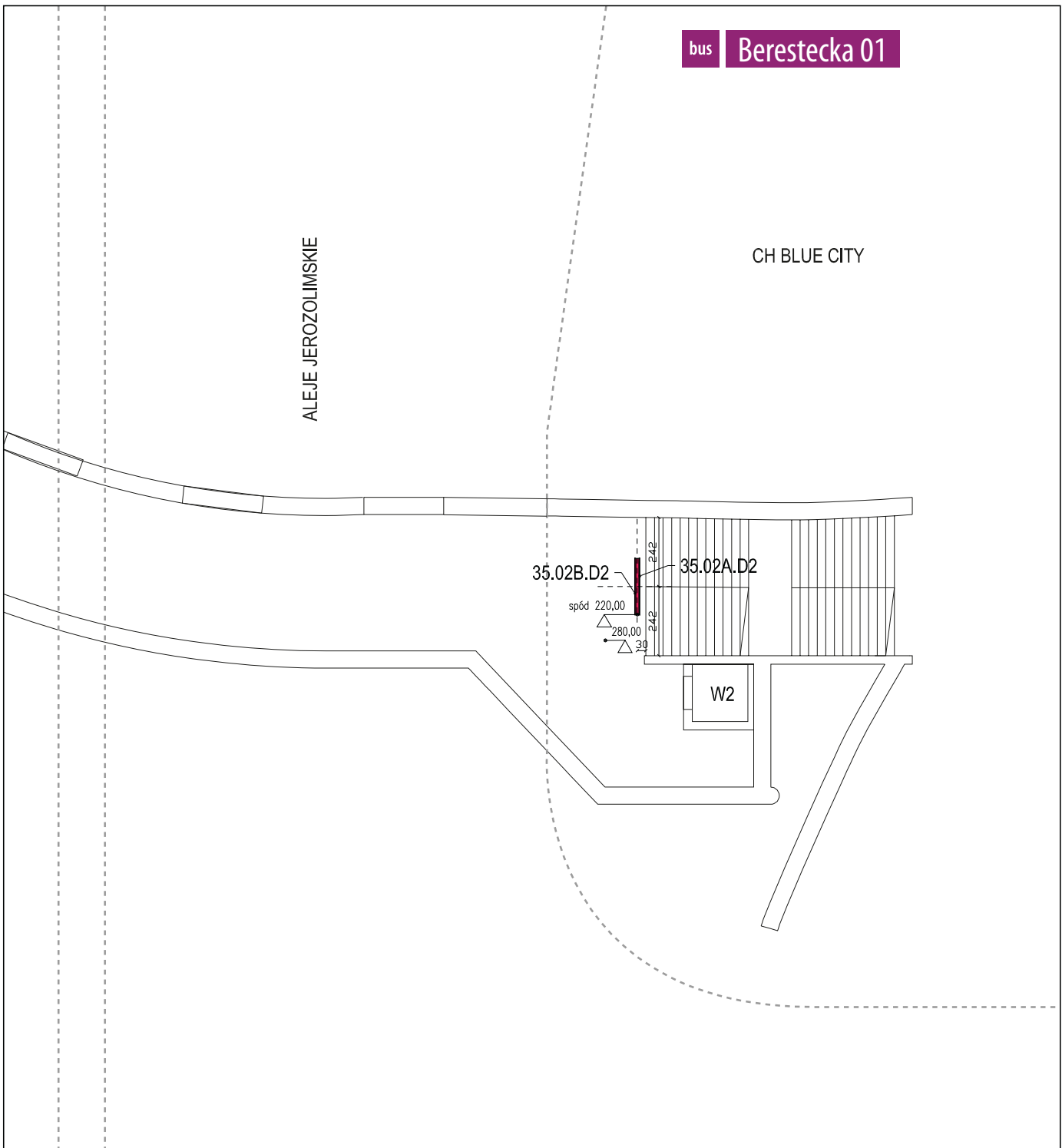
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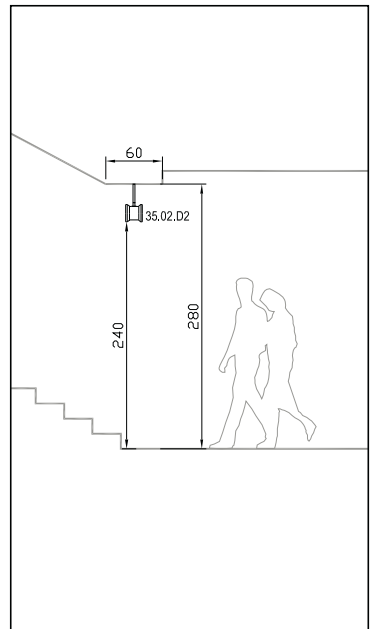
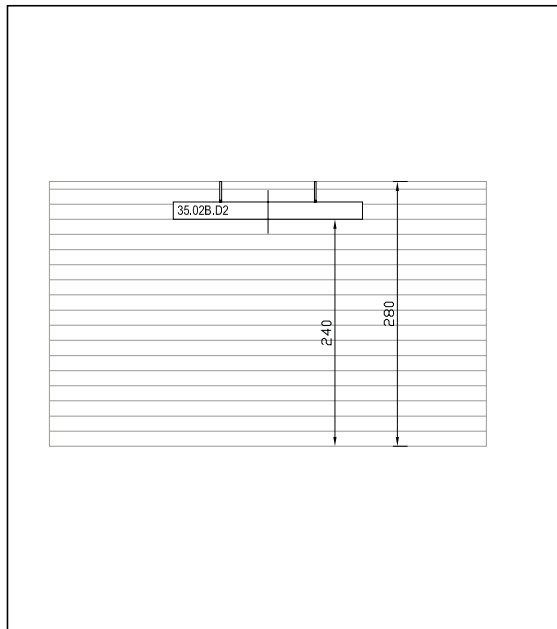
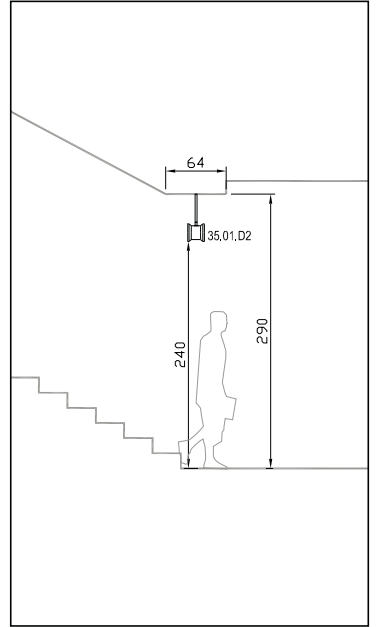
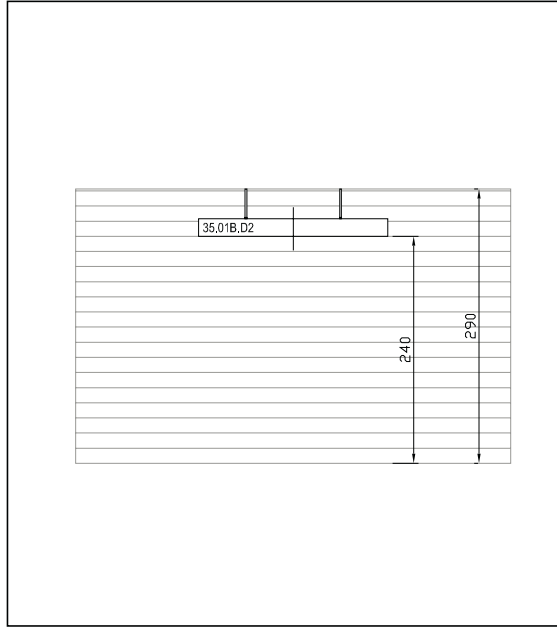
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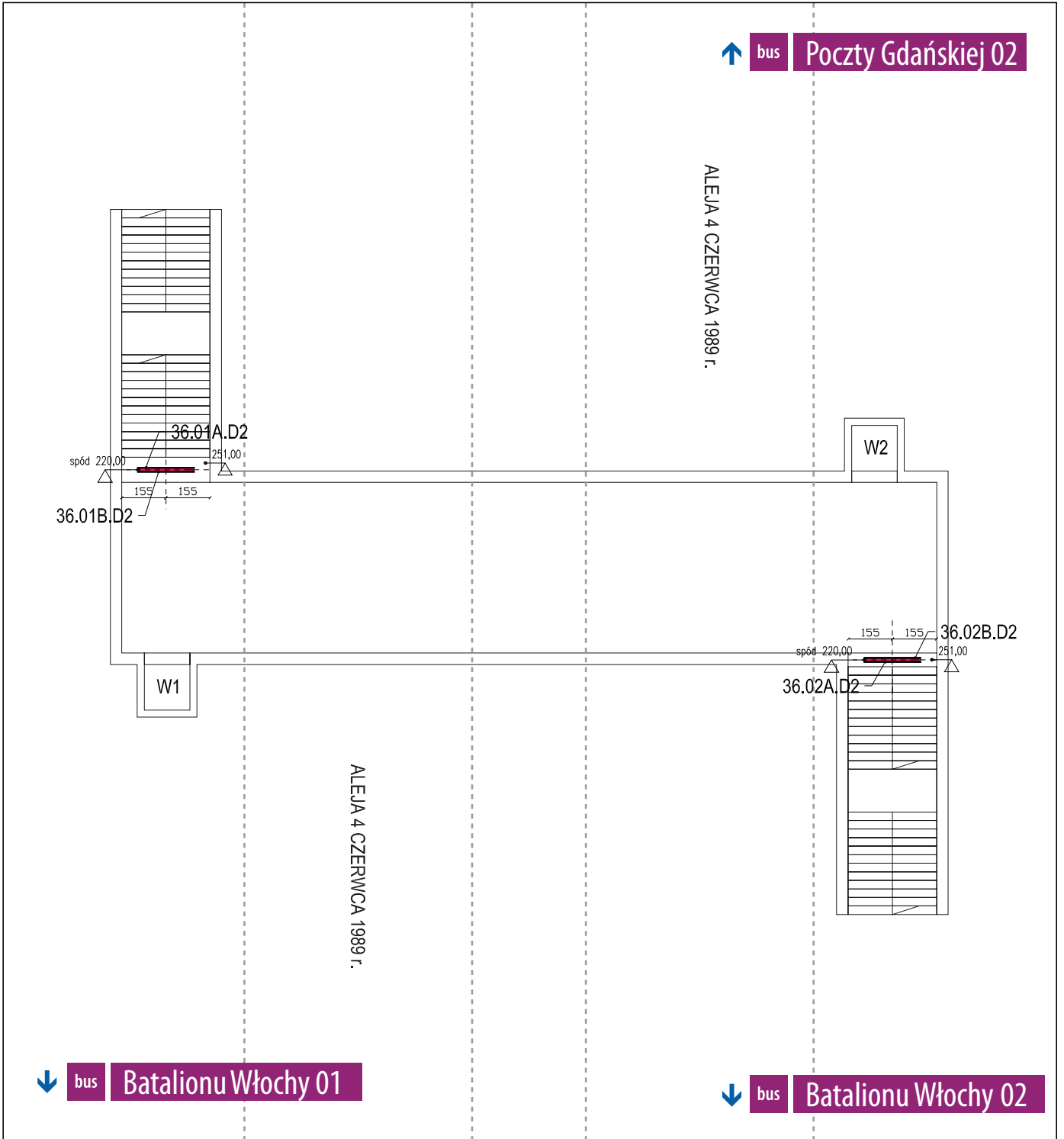


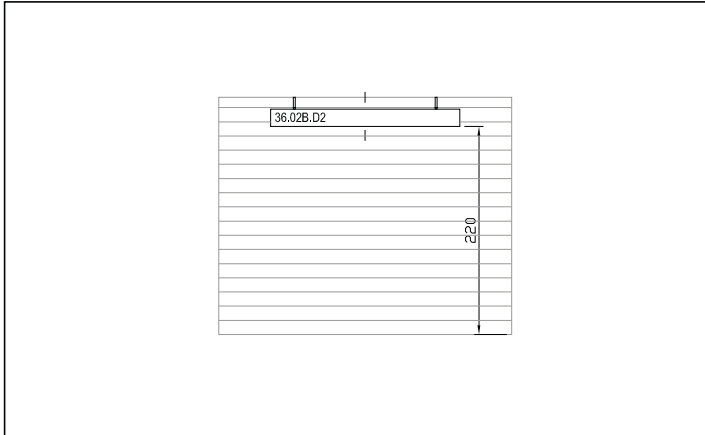
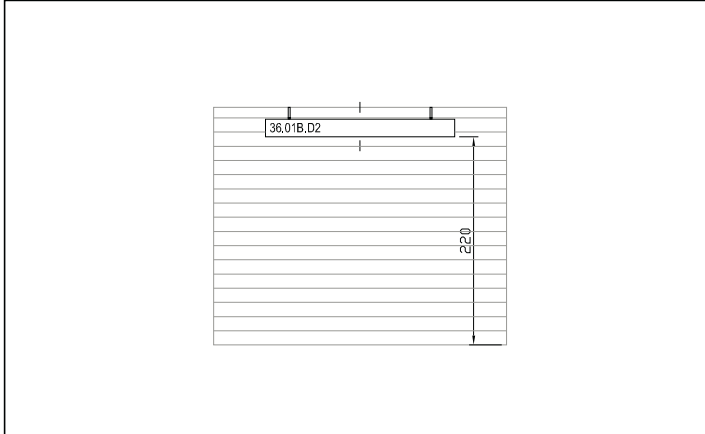




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35.01A.D2	 kierunek direction Centrum ul. Opaczewska 		
35.01B.D2	  kierunek direction Włochy, Ursus ul. Mszczonowska		
35.02A.D2	  kierunek direction Włochy, Ursus ul. Mszczonowska		
35.02B.D2	  kierunek direction Centrum	ul. Opaczewska	 

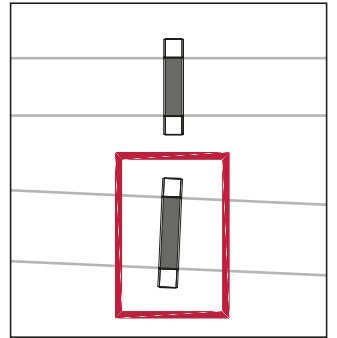




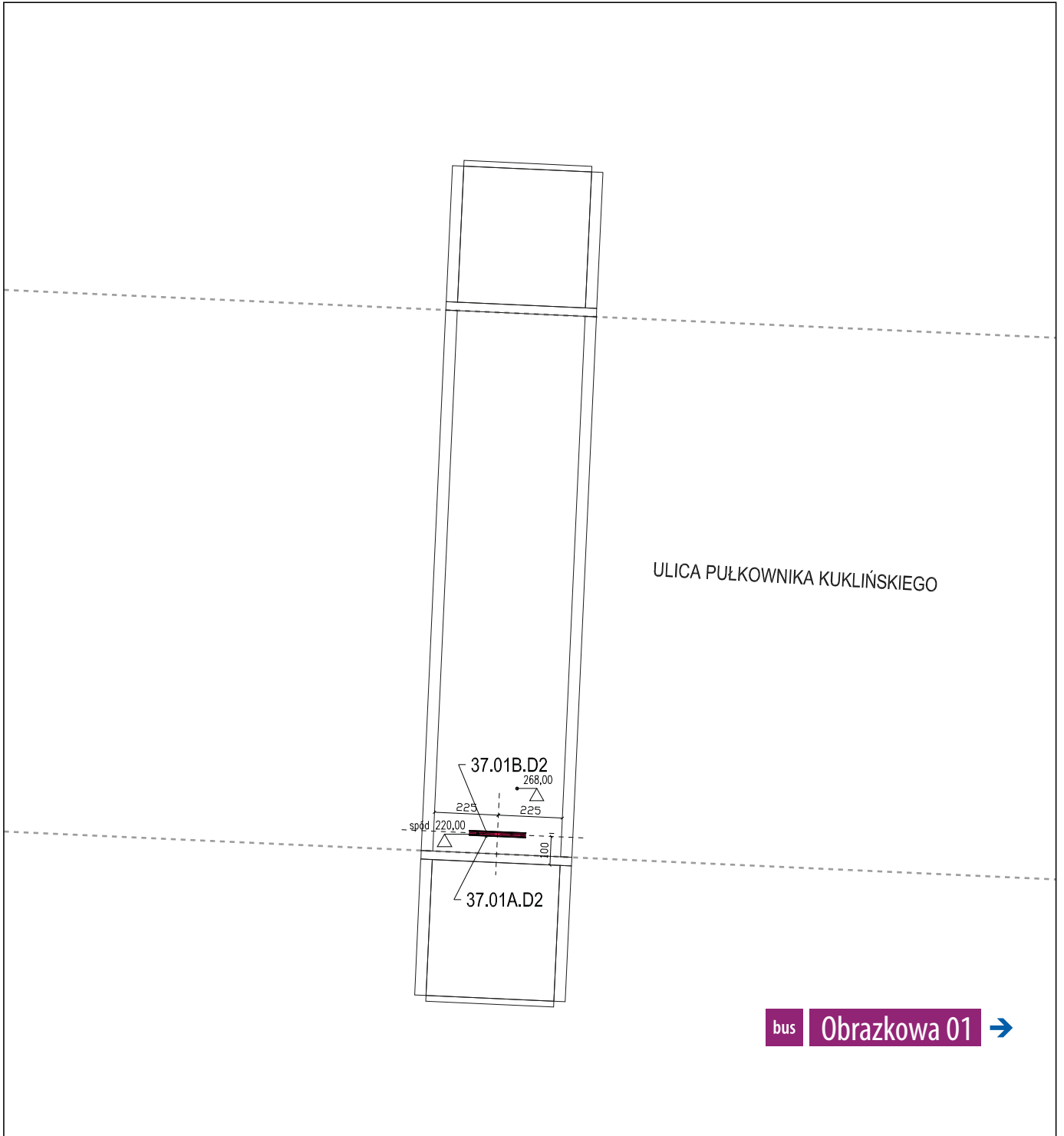
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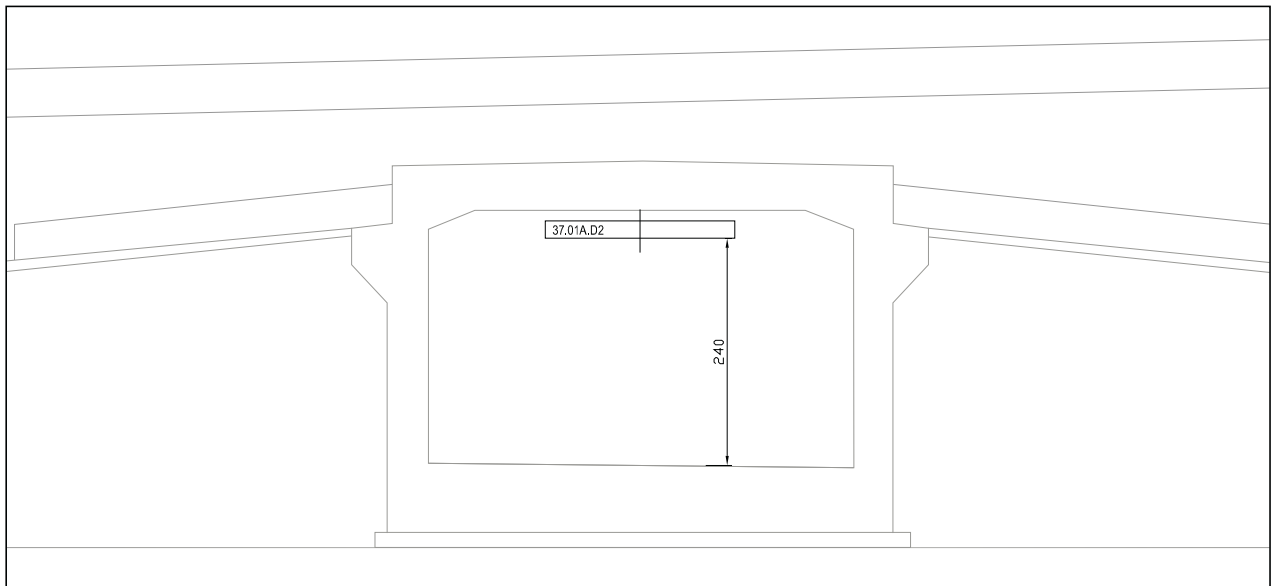
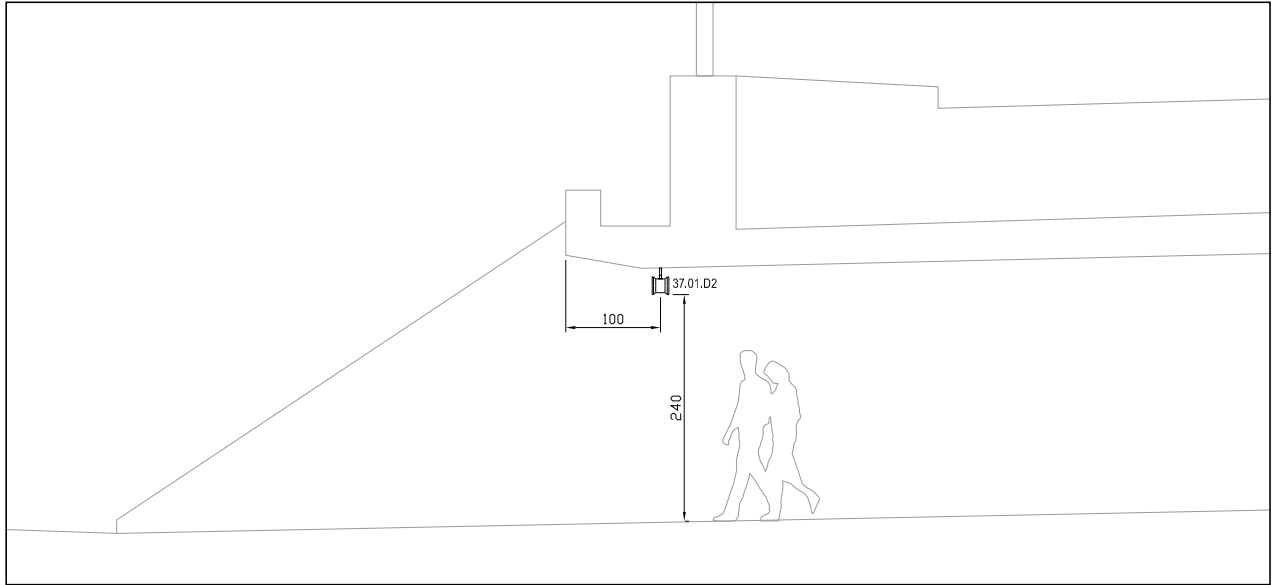
36.1A.D2	  kierunek direction Ursus ul. Batalionu AK „Włochy”
36.1B.D2	  kierunek direction Ochota   ul. Poczty Gdańskiej 
36.2A.D2	  kierunek direction Ochota ul. Poczty Gdańskiej
36.2B.D2	  kierunek direction Ursus ul. Batalionu AK „Włochy”

1:200



1:20



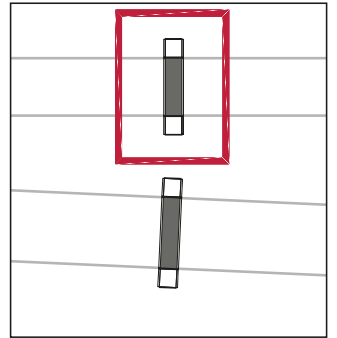


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37.1A.D2	  <small>kierunek direction</small> Bielany, Białotęka, Legionowo
37.1B.D2	  <small>kierunek direction</small> Żerań   ul. Modlińska   ul. Obrazkowa

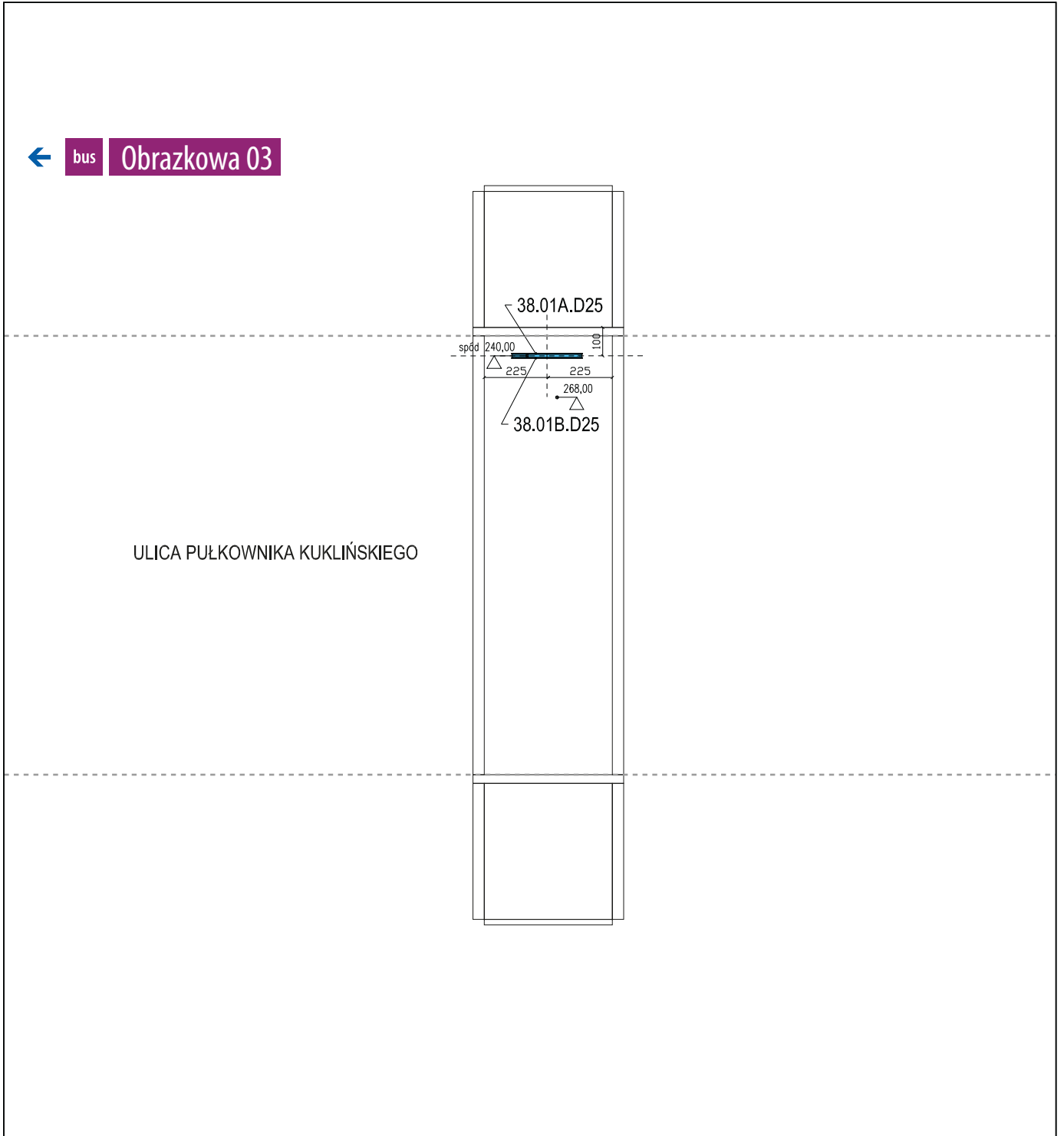


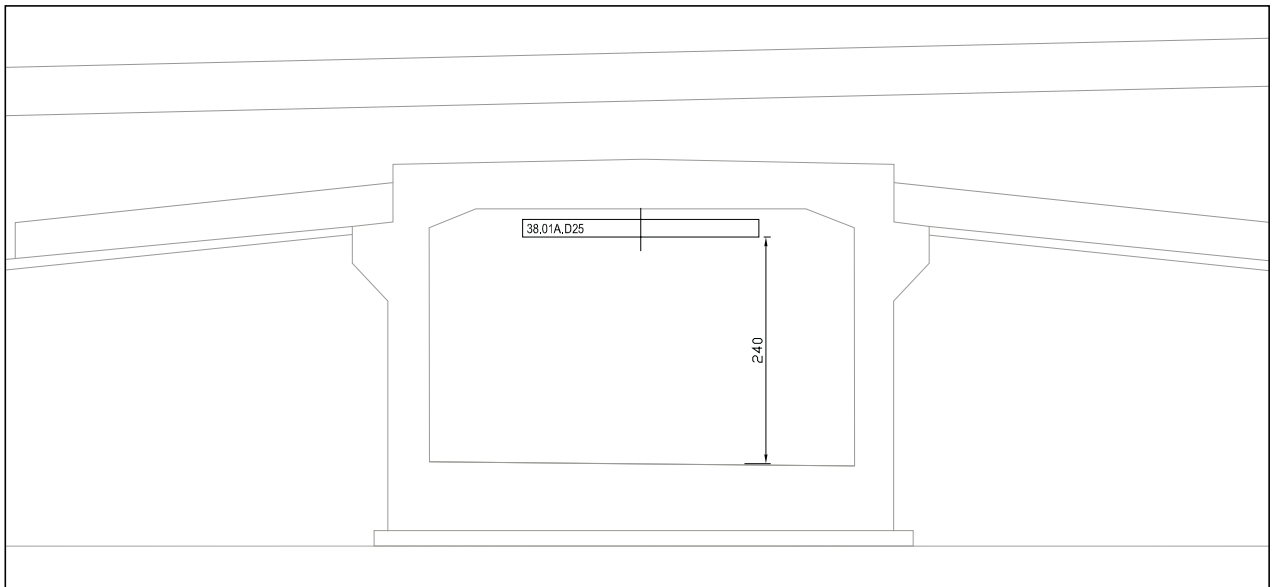
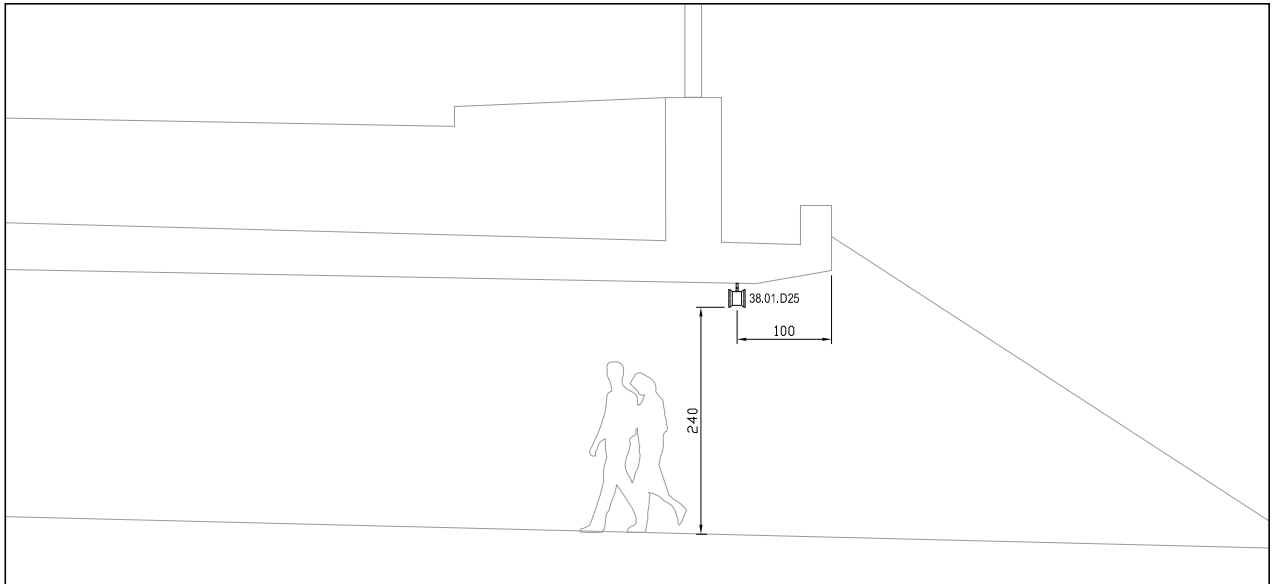
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← bus **Obrazkowa 03**

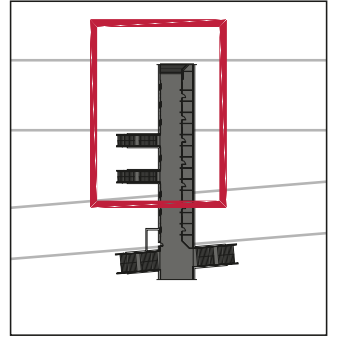




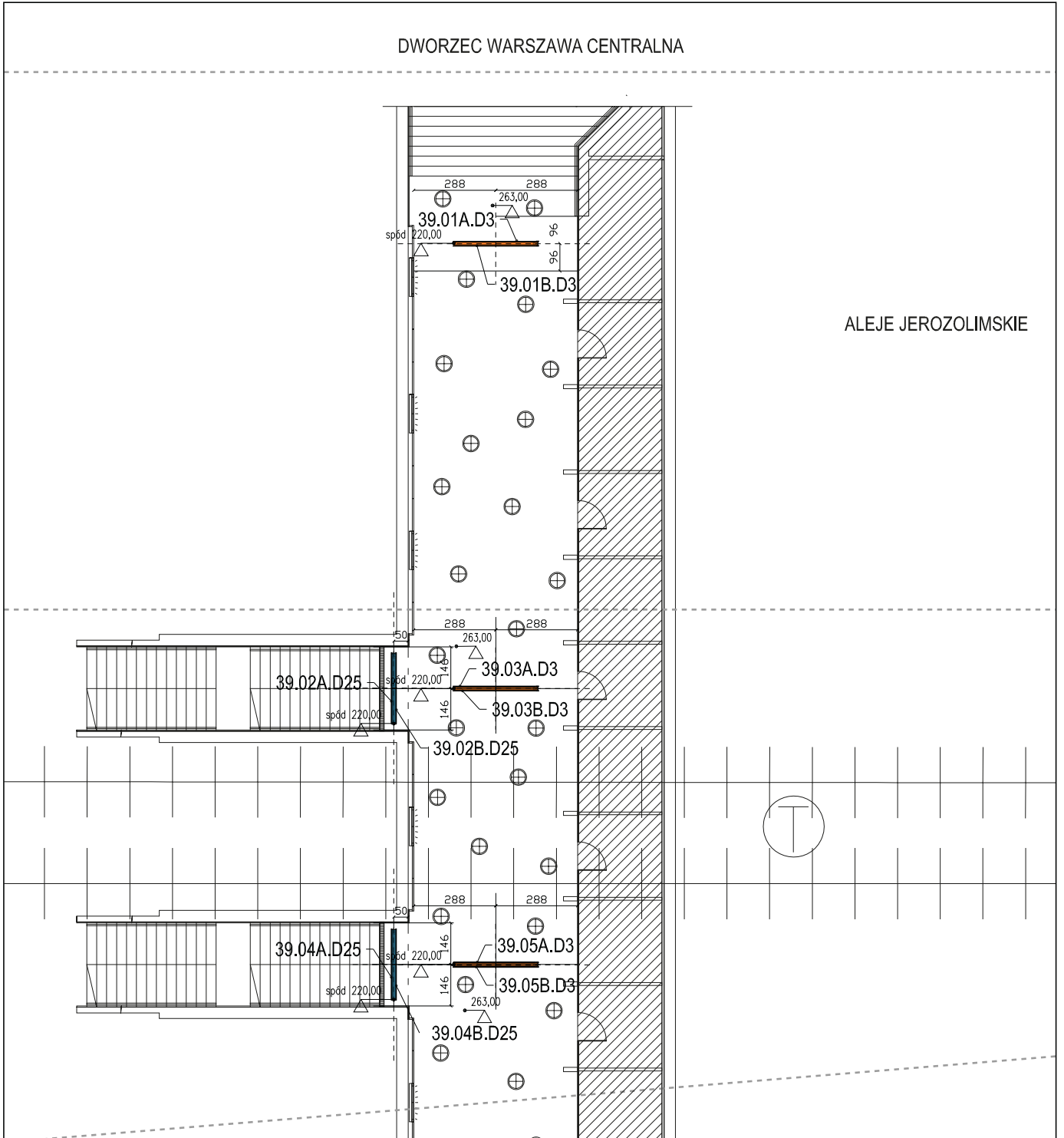
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38.1A.D25	  <small>kierunek direction</small> Zerań <b>ul. Obrazkowa</b>
38.1B.D25	  <small>kierunek direction</small> Bielany   <small>kierunek direction</small> Białołęka, Legionowo <b>ul. Modlińska</b> 

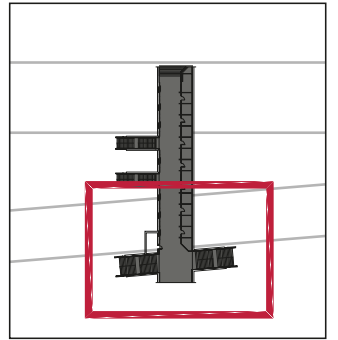
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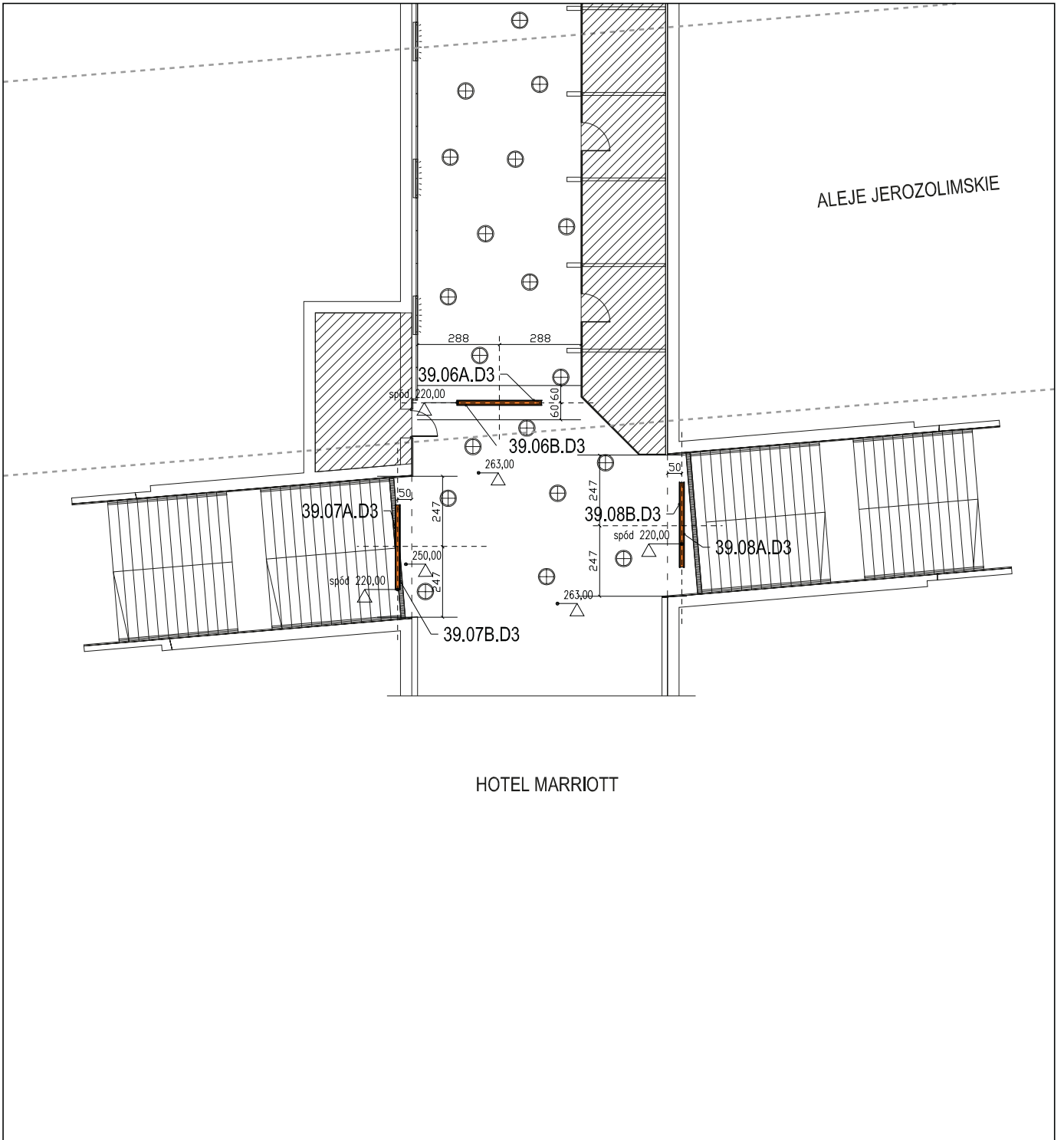
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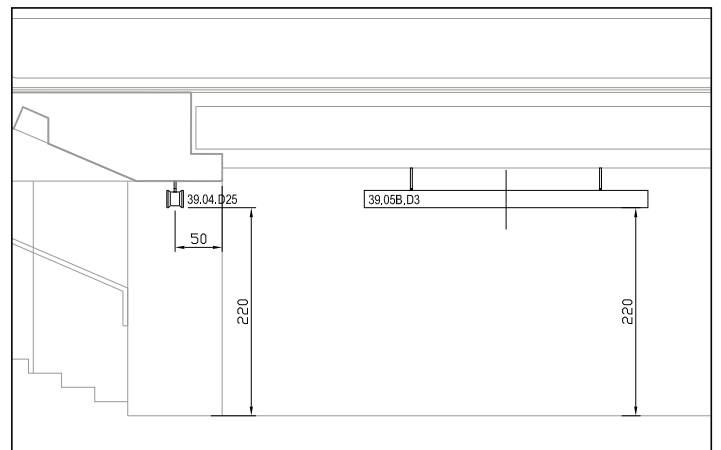
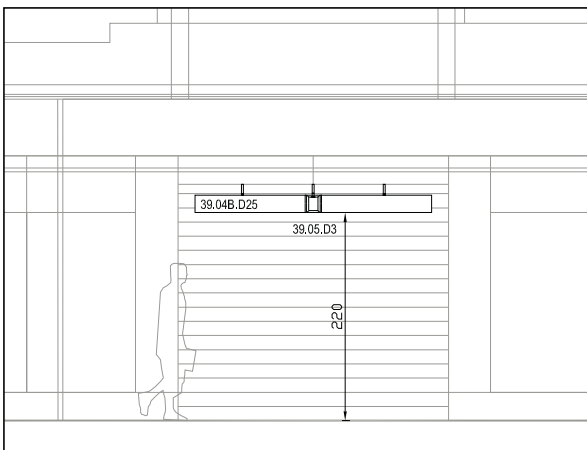
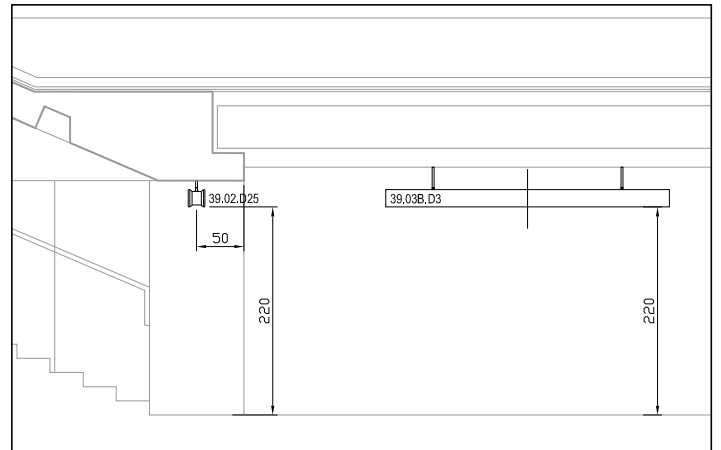
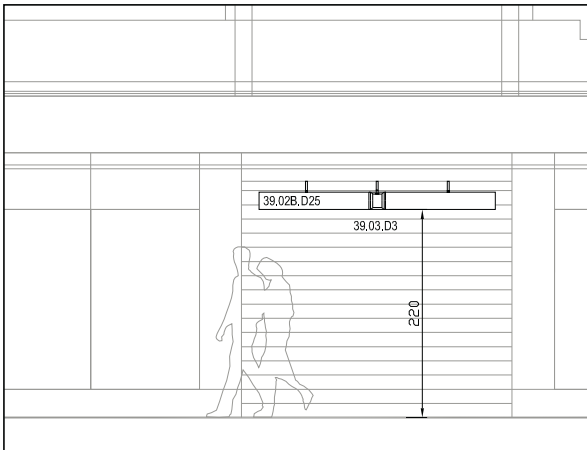
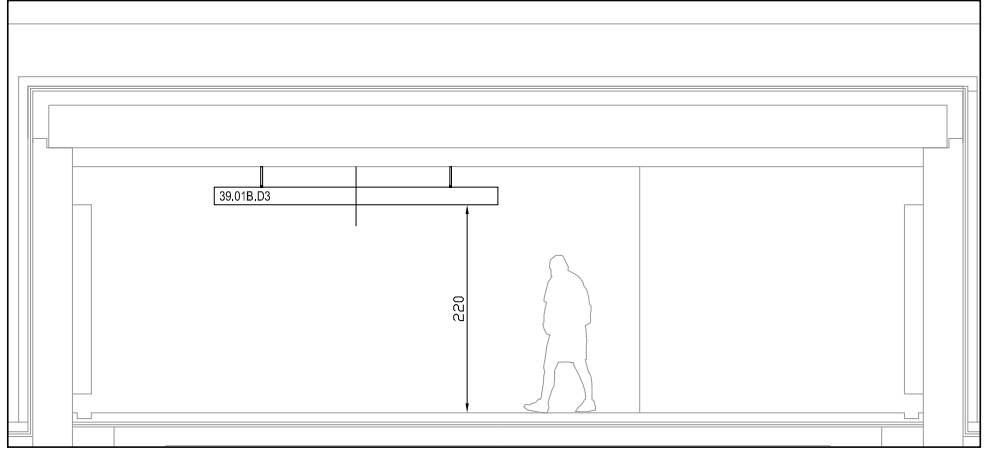
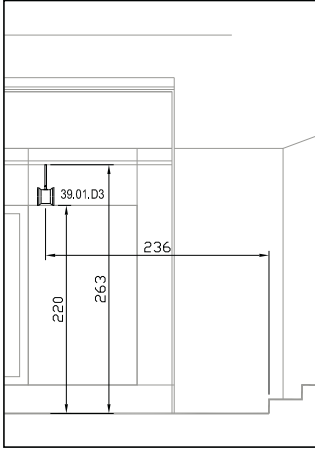


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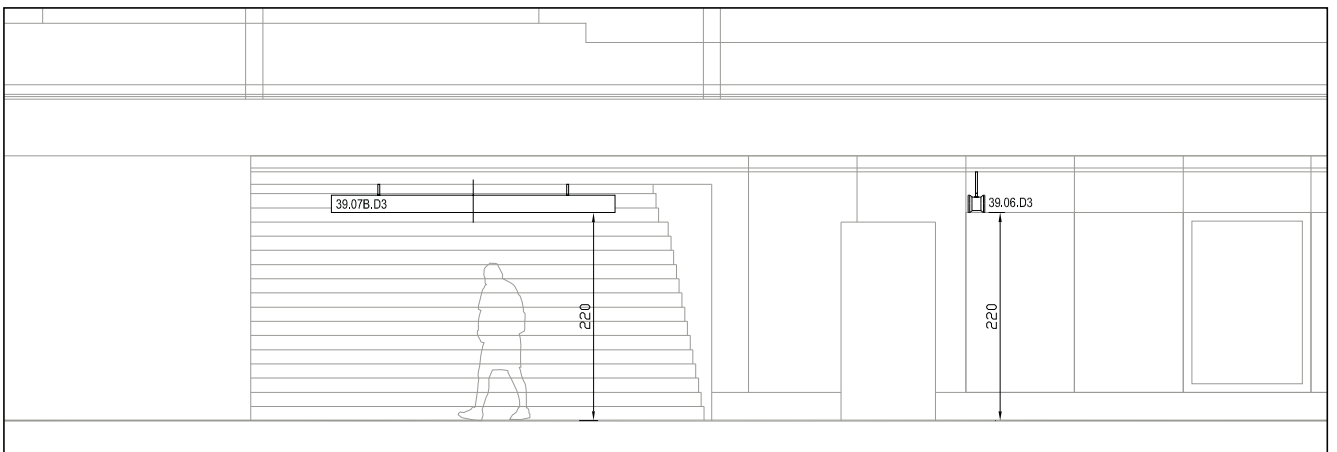
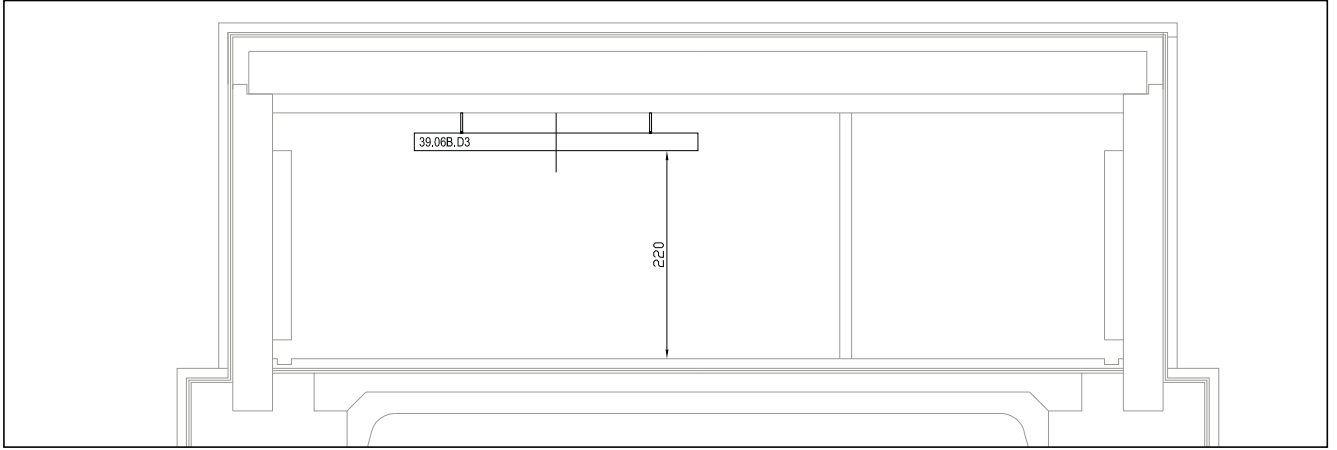


1:20

































































1:8

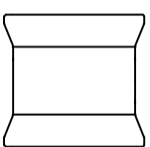
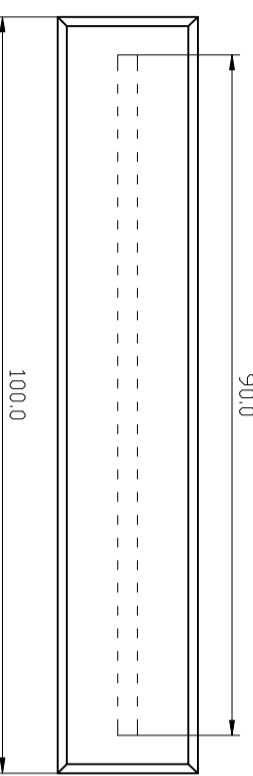
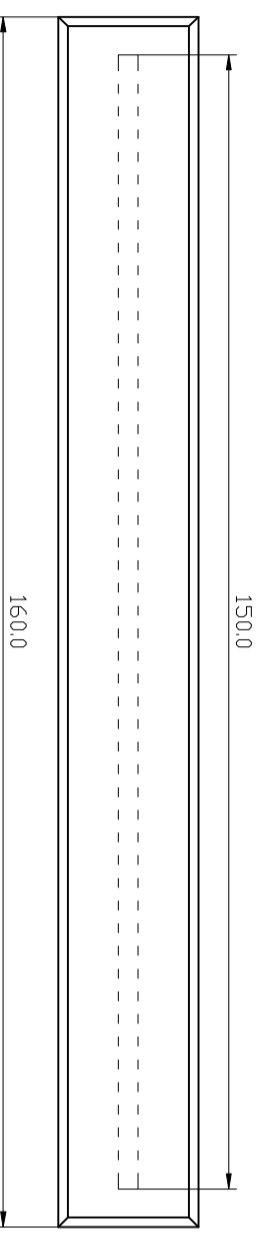
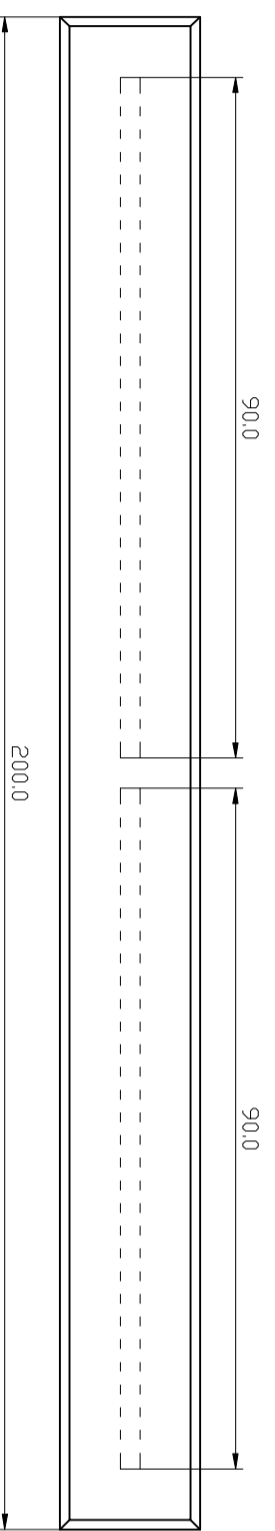
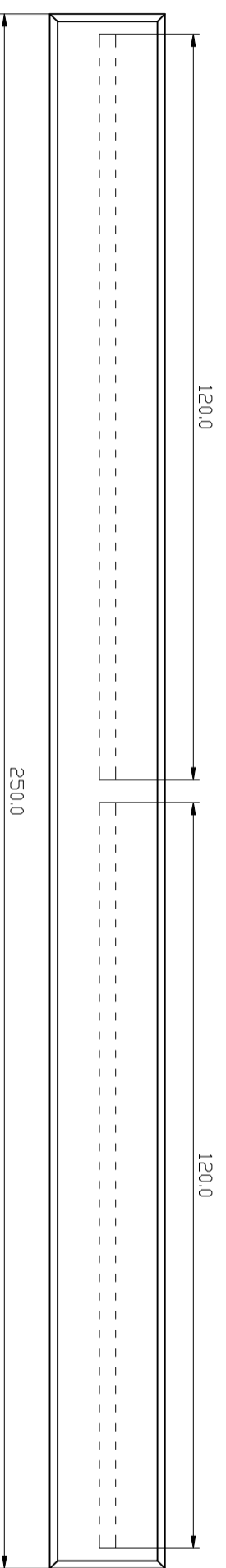
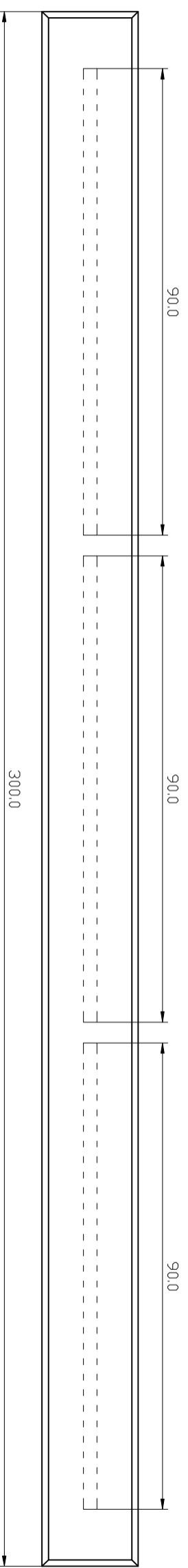


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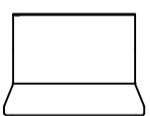
39.1A.D3	  kierunek direction <b>Wola, Ochota, Praga</b>  kierunek direction <b>Praga</b>		
39.1B.D3	  kierunek direction <b>Ochota</b>	  <b>Warszawa Centralna</b>	 <b>Warszawa Śródmieście</b> 
39.2A.D25	  kierunek direction <b>Ochota</b> 	  kierunek direction <b>Praga</b> 	
39.2B.D25	 kierunek direction <b>Wola, Ochota</b>		
39.3A.D3	   kierunek direction <b>Praga</b>	 kierunek direction <b>Wola, Ochota</b> 	
39.3B.D3	  kierunek direction <b>Wola, Ochota</b>	 kierunek direction <b>Ochota</b>  <b>Warszawa Centralna</b> 	
39.4A.D25	   kierunek direction <b>Wola, Ochota</b> 	 kierunek direction <b>Praga</b> 	
39.4B.D25	 kierunek direction <b>Praga</b>		



39.5A.D3	  kierunek direction Praga	 kierunek direction Praga 
39.5B.D3	  kierunek direction Praga	 kierunek direction Wola, Ochota  Warszawa Centralna 
39.6A.D3	 ul. E. Plater	 kierunek direction Praga         ul. T. Chałubińskiego 
39.6B.D3	  kierunek direction Wola, Ochota, Praga  kierunek direction Ochota  Warszawa Centralna	
39.7A.D3	  kierunek direction Wola, Ochota, Praga  kierunek direction Ochota  Warszawa Centralna	
39.7B.D3	  kierunek direction Praga         ul. T. Chałubińskiego	
39.8A.D3		 kierunek direction Wola, Ochota, Praga  kierunek direction Ochota  Warszawa Centralna 
39.8B.D3	 ul. E. Plater	



**KASETONY WISZĄCE**



**KASETONY NAŚCIENNE**

**UWAGA:**  
 PRZERYWANĄ LINIĄ ZAZNACZONO  
 PRZYKŁADOWE ROZMIESZCZENIE  
 ŚWIETLÓWEK HB LED TUBE

**TEMAT:**  
 PROJEKT SYSTEMU INFORMACJI  
 WIZUALNEJ W PRZEJŚCIACH  
 PODZIEMNYCH W WARSZAWIE

**ZAMAWIĄCY:**  
 MIASTO STOLECZNE WARSZAWA  
 ZARZĄD DRÓG MIEJSKICH

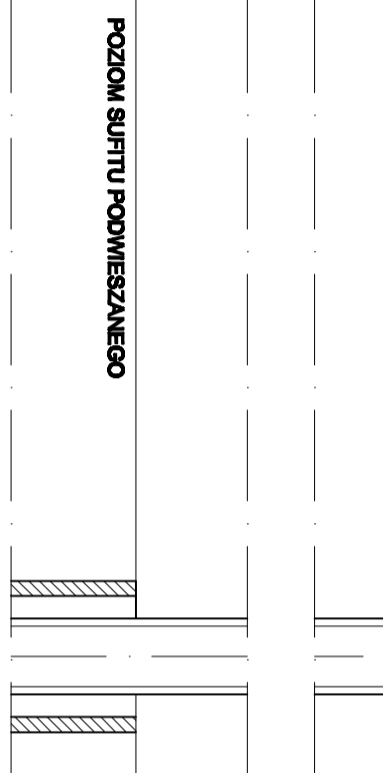
**FAZA:**  
 PROJEKT WYKONAWCZY

**BURO PROJEKTOWE:**  
 TOWARZYSTWO PROJEKTOWE S.C.  
 Grzegorz Niewiadki, Jerzy Pospisil  
 00-634 Warszawa  
 ul. Janczyńskiego 8 lok. 7  
 tel. 022 628 86 85, fax 022 628 89 89  
 Barbara Dobrzyńska  
 Grzegorz Niewiadki  
 Jerzy Pospisil

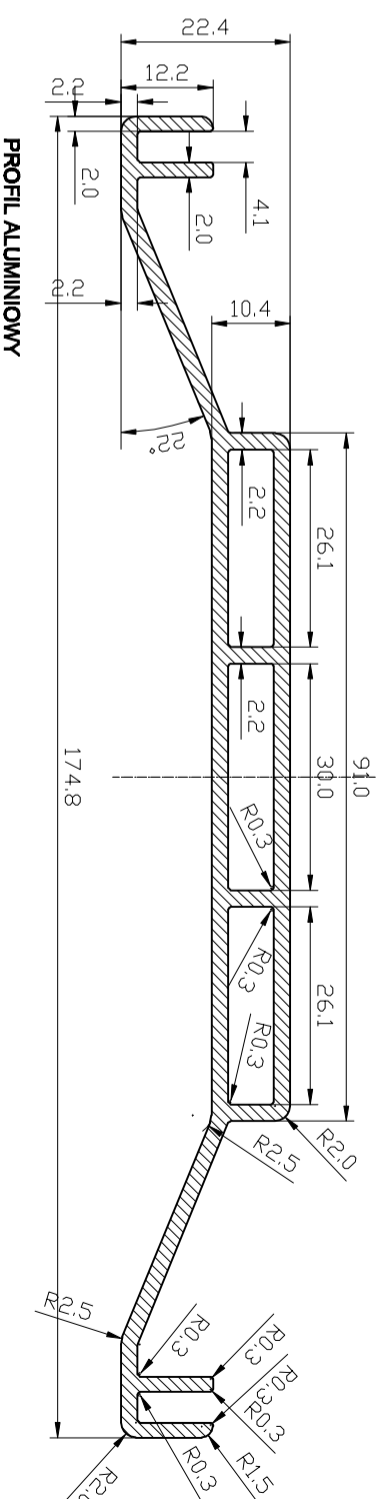
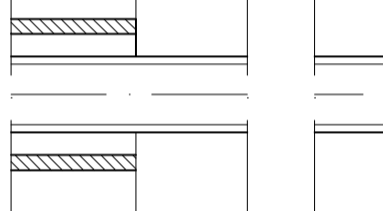
**TREŚĆ RYSUNKU:**  
 TYPOSZEREG KASETONÓW  
 INFORMACYJNYCH

<b>SKALA:</b>	<b>DATA:</b>	<b>NR RYB:</b>
1:10	11.08.2016	01

POZIOM SUFITU BETONOWEGO



POZIOM SUFITU PODWIESZANEGO



DYFUZOR Z PLEXI OPAL  
GRAFIKA Z FOLII TRANSLUCENTNEJ

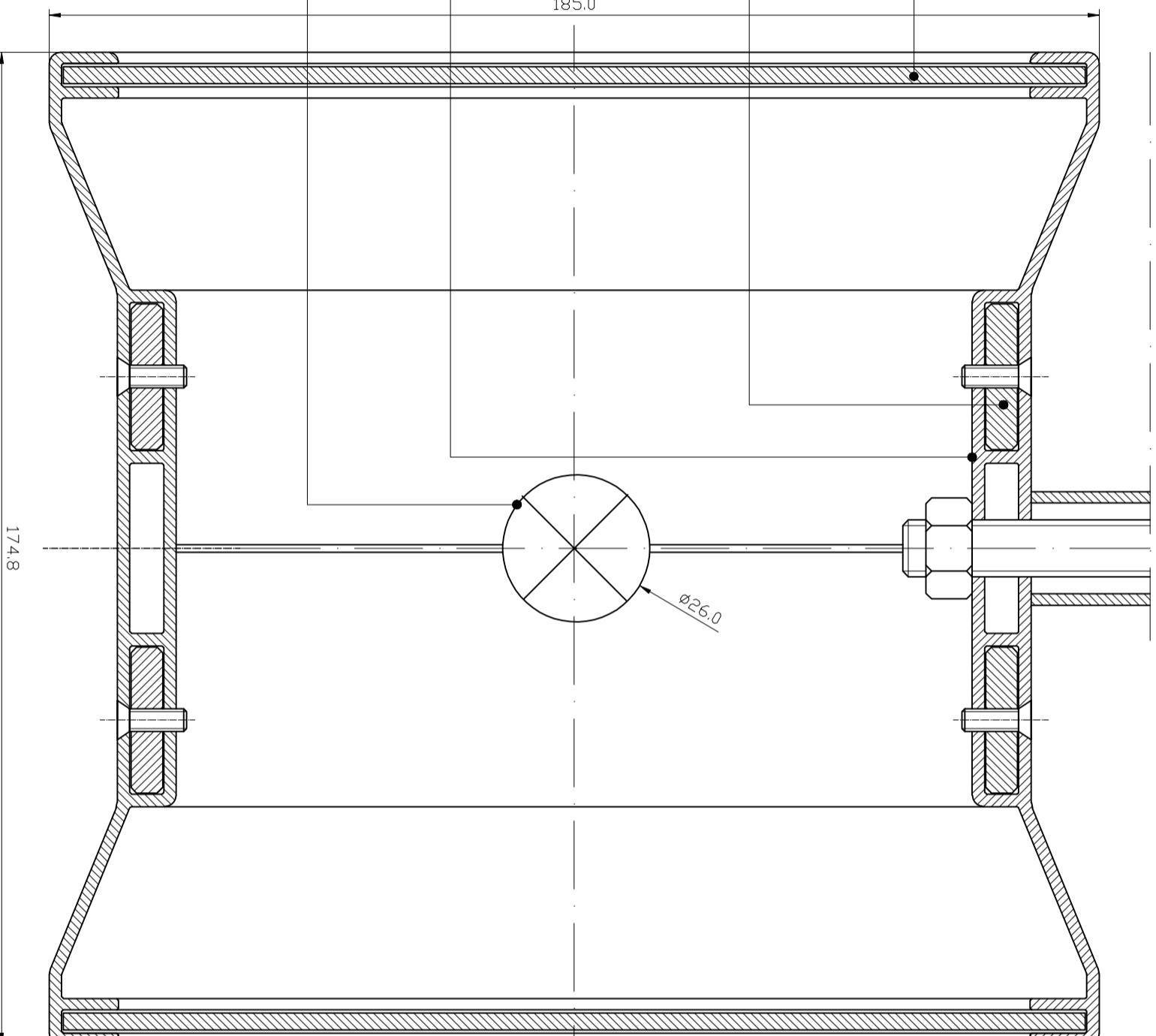
SZYNY BOCZNEGO PROFILA  
MOCOWANE NA ŚRUBY

OBUDOWA KASETONU  
PROFILE GÓRNY, DOLNY  
I JEDEN Z BOCZNYCH ZESPRAWANE,  
DRUGI BOCZNY POSIADA SZYNY  
KTÓRE WŚCİWA SIĘ W KOMORY  
PROFILI DOLNEGO I GÓRNEGO  
OBUDOWA KASETONU LAKIEROWANA  
PROSZKOWO NA KOLOR BIAŁY RAL 9010

ŚWIETŁÓWKI HB LED TUBE

185.0

Ø26.0



TEMAT:  
PROJEKT SYSTEMU INFORMACJI  
WIZUALNEJ W PRZESTRZACH  
PODZIEMNYCH W WARSZAWIE

ZAMAWIAJĄCY:  
MIASTO STOŁECZNE WARSZAWA  
ZARZĄD DRÓG MIEJSKICH

FAZA:  
PROJEKT WYKONAWCZY

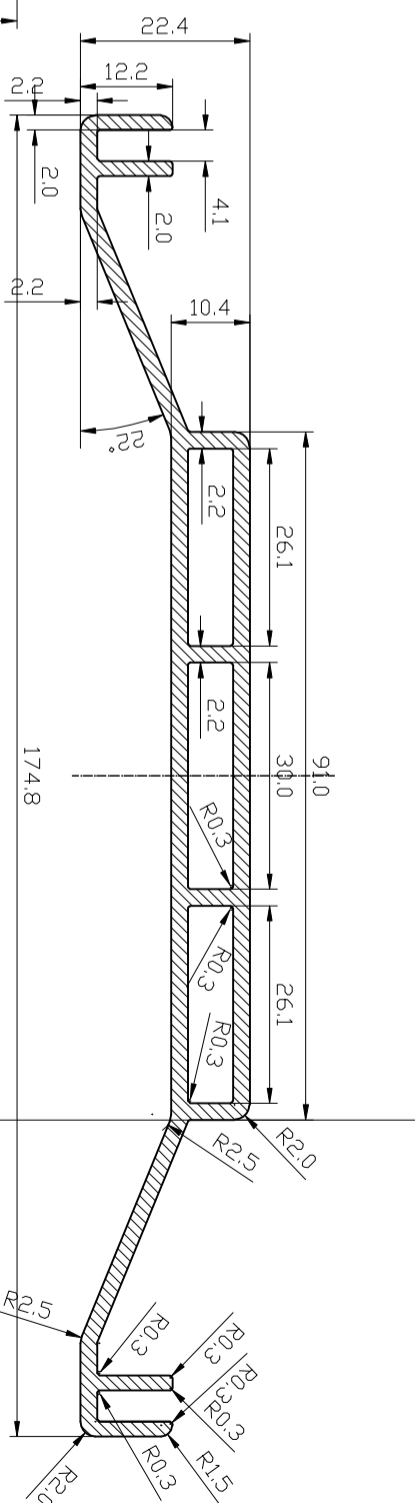
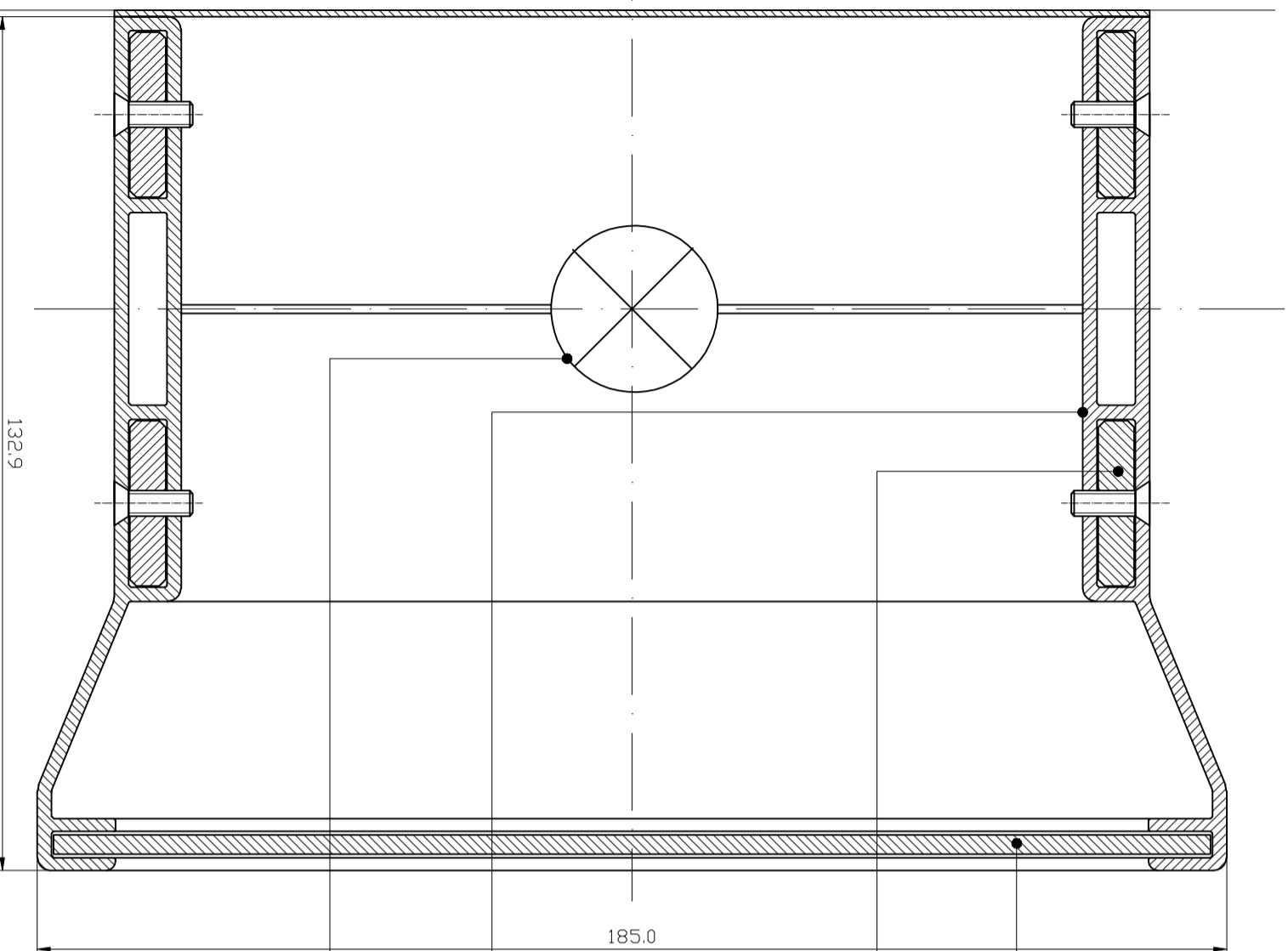
BIURO PROJEKTOWE:  
TOWARZYSTWO PROJEKTOWE S.C.  
Gzazgorz Nowicki, Jacek Pospiech  
00-634 Warszawa  
ul. Januszowska 8 lok. 7  
tel. 022 625 85 85, fax 022 625 89 89

Barbara Dobrzyńska  
Gzazgorz Nowicki  
Jacek Pospiech

Tytuł rysunku:  
PRZEKRÓJ WISZĄCEGO  
KASETONU  
INFORMACYJNEGO

SKALA: 1:1 DATA: 11.08.2015 NR RYS.: 02

POWIERZCHNIA ŚCIANY



DYFUZOR Z PLEXI OPAL  
GRAFIKA Z FOLII TRANSLUCENTNEJ

SZYNY BOCZNEGO PROFILA  
MOCOWANE NA ŚRUBY

OBUDOWA KASETONU  
PROFILI GÓRNY, DOLNY  
I JEDEN Z BOCZNYCH ZESPRAWANE,  
DRUGI BOCZNY POSIADA SZYNY  
KTÓRE WSÓWA SIĘ W KOMORY  
PROFILI DOLNEGO I GÓRNEGO  
OBUDOWA KASETONU LAKIEROWANA  
PROSZKOWO NA KOLOR BIAŁY RAL 9010

ŚWIETŁÓWKI HB LED TUBE

TEMAT:

PROJEKT SYSTEMU INFORMACJI  
WIZUALNEJ W PRZELISCIACH  
PODZIEMNYCH W WARSZAWIE

ZAMAWIAJĄCY:

MIASTO STOŁECZNE WARSZAWA  
ZARZĄD DRÓG MIEJSKICH

FAZA:

PROJEKT WYKONAWCZY

BIURO PROJEKTOWE:

TOWARZYSTWO PROJEKTOWE S.C.

Gzroguez Nowikid, Jerzy Porębski

00-034 Warszawa

ul. Jaszczyńska 8 lok. 7

tel. 022 625 65 65, fax 022 625 69 69

Barbara Dobrzyńska

Gzroguez Nowikid

Jerzy Porębski

TREŚĆ RYSUNKU:

PRZEKRÓJ NAŚCIENNEGO  
KASETONU  
INFORMACYJNEGO

SKALA: 1:1 DATA: 11.08.2015 NR RYS.: 03

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26	0	2	2	0	0	0	0	0	4
27	0	0	0	0	0	0	0	0	0
28	0	2	0	0	0	0	0	0	2
29	2	0	0	0	0	0	0	0	2
30	5	1	1	3	0	0	0	0	10
31	0	0	2	0	0	0	0	0	2
32	2	0	0	0	0	0	0	0	2
33	2	3	1	0	0	0	0	0	6
34	4	2	0	0	0	0	0	0	6
35	2	0	0	0	0	0	0	0	2
36	2	0	0	0	0	0	0	0	2
37	1	0	0	0	0	0	0	0	1
38	0	1	0	0	0	0	0	0	1
39	0	2	6	0	0	0	0	0	8
SUMA	53	35	63	16	8	18	13	11	217