

# ECO-LINE 19"

## szafa sieciowa
## network cabinet

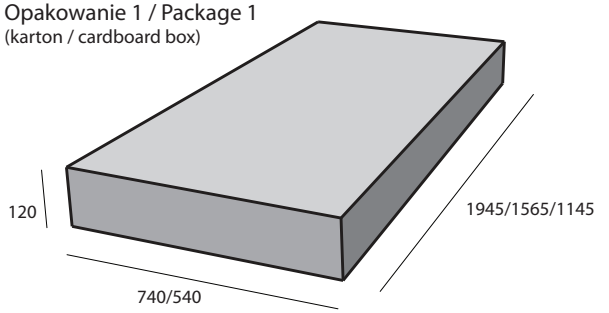
## instrukcja montażu
## assembly manual

**ZPAS GROUP**
info@zpasgroup.eu
www.zpasgroup.eu

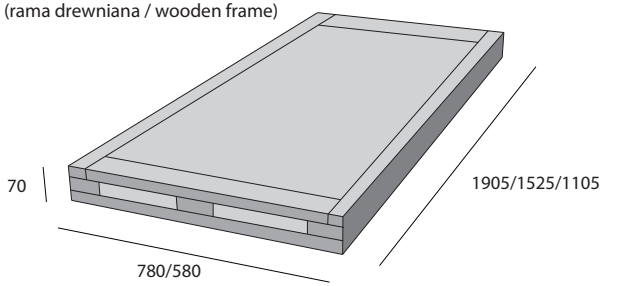
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M1Z-00-2125

# Sposób pakowania szafy, zawartość opakowań / Packaging method, the contents of packaging

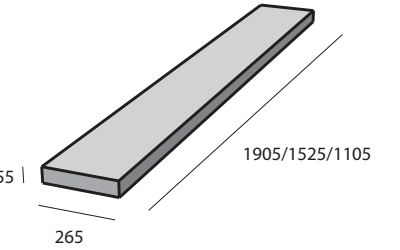
Opakowanie 1 / Package 1
(karton / cardboard box)



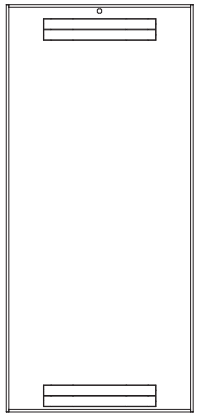

Opakowanie 2 / Package 2
(rama drewniana / wooden frame)



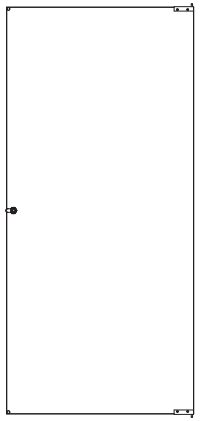

Opakowanie 3 / Package 3
(karton / cardboard box)

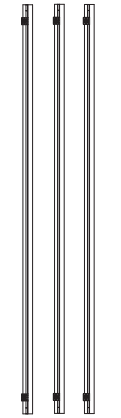



(F) x1
Osłona tylna /
Rear panel

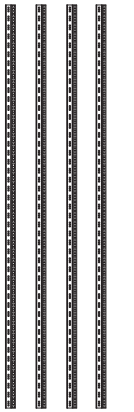


(E) x1
Drzwi przednie szklane /
Front glass door



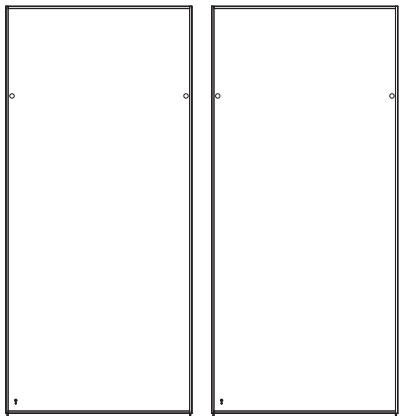


(H) x4
Słup szkieletu /
Frame's post



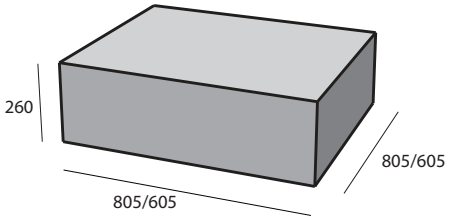
(I) x4
Belka nośna /
Mounting profile

(G) x2
Osłona boczna /
Side panel

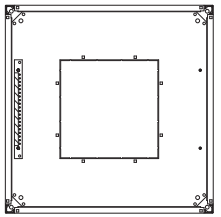


# Sposób pakowania szafy, zawartość opakowań / Packaging method, the contents of packaging

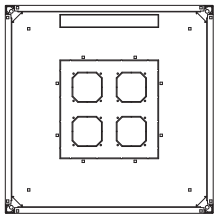
Opakowanie 4 / Package 4
(karton / cardboard box)



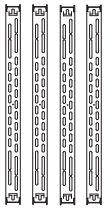

(A) x1
Płyta dolna szkieletu /
Frame's bottom plate



(B) x1
Płyta górna szkieletu /
Frame's top plate



(C) x4
Ceownik /
C-profile



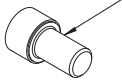
(D) x8 (L=800)**
Wysięgnik /
Outrigger



1 — x8
Zaślepka /
Blanking cap



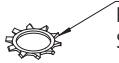
2 — x8
Śruba imbusowa M12x20 /
Hex-socket screw M12x20
Narzędzie: klucz imbusowy 10 /
Tool: Hex key 10



3 — x8
Podkładka okrągła ø13 /
Washer ø13



4 — x8
Podkładka ząbkowana ø12,5 /
Serrated washer ø12.5

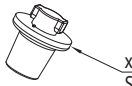


6 — x8 (L=600)*
x32(L=800)**
Śruba kołnierzowa M6x12 /
Screw M6x12 with flange
Narzędzie: klucz nasadowy SW10 /
Tool: socket wrench SW10

8 — x16 (L=600)*
x24 (L=800)**
Nakrętka kołnierzowa M6 /
Nut M6 with flange
Narzędzie: klucz nasadowy SW10 /
Tool: socket wrench SW10



13 — x2
Sworzeń /
Pin



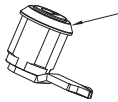
14 — x2
Wkładka /
Insert



17 — x2
Zaślepka /
Blanking cap



18 — x2
Zamek /
Lock



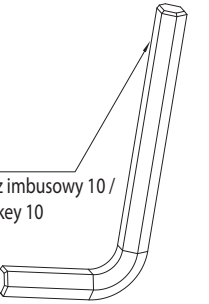
19 — x2
Podkładka zamka /
Lock's washer



20 — x2
Nakrętka zamka /
Lock's nut
Narzędzie: klucz płaski 27 /
Tool: wrench 27



22 — x1
Klucz imbusowy 10 /
Hex key 10



27 28 — x4
Stopka regulacyjna M12x40 /
Adjustable feet M12x40
Nakrętka kontrująca M12 /
Lock nut M12
Narzędzie: klucz płaski 19 /
Tool: wrench 19



30 — x2
Zaślepka /
Blanking cap



* dla szaf o szerokości 600 mm / for 600 mm wide cabinets

** dla szaf o szerokości 800 mm / for 800 mm wide cabinets

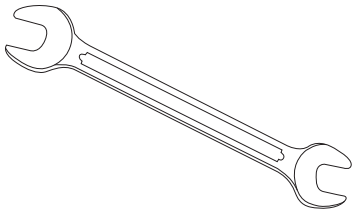
# Wykaz elementów / List of elements

| Oznaczenie elementu na rysunku / Symbol on drawing | Nazwa elementu / Name | Numer strony w instrukcji / Page number in this manual | Numer opakowania / Package number | Liczba sztuk / Quantity |
|---|---|---|---|---|
| A | Płyta dolna szkieletu / Frame's bottom plate | 5, 6, 7 | 4 | 1 |
| B | Płyta górna szkieletu / Frame's top plate | 5, 6, 7 | 4 | 1 |
| C | Ceownik / C-profile | 5, 7, 8 | 4 | 4 |
| D | Wysięgnik / Outrigger | 8 | 4 | 0*/ 8** |
| E | Drzwi przednie szklane / Front glass door | 9 | 2 | 1 |
| F | Osłona tylna / Rear panel | 9 | 1 | 1 |
| G | Osłona boczna / Side panel | 9 | 1 | 2 |
| H | Słup szkieletu / Frame's post | 5, 6, 7 | 3 | 4 |
| I | Belka nośna / Mounting profile | 8 | 3 | 4 |
| 1 | Zaślepka / Blanking cap | 5, 7 | 4 | 8 |
| 2 | Śruba imbusowa M12x20 / Hex-socket screw M12x20 | 5, 7 | 4 | 8 |
| 3 | Podkładka okrągła ø13 / Washer ø13 | 5, 7 | 4 | 8 |
| 4 | Podkładka ząbkowana ø12,5 / Serrated washer ø12.5 | 5, 7 | 4 | 8 |

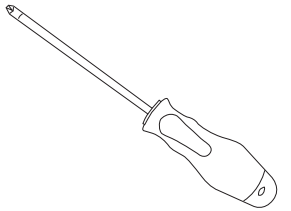
| Oznaczenie elementu na rysunku / Symbol on drawing | Nazwa elementu / Name | Numer strony w instrukcji / Page number in this manual | Numer opakowania / Package number | Liczba sztuk / Quantity |
|---|---|---|---|---|
| 6 | Śruba kołnierzowa M6x12 / Screw M6x12 with flange | 8 | 4 | 8* / 32* |
| 8 | Nakrętka kołnierzowa M6 / Nut M6 with flange | 7, 8 | 4 | 16* / 24** |
| 13 | Sworzeń / Pin | 9 | 4 | 6 |
| 14 | Wkładka otworu kwadratowego / Insert | 9 | 4 | 2 |
| 17 | Zaślepka otworu kwadratowego / Blanking cap | 8, 9 | 4 | 12 |
| 18 | Zamek / Lock | 9 | 4 | 3 |
| 19 | Podkładka zamka / Lock's washer | 9 | 4 | 3 |
| 20 | Nakrętka zamka / Lock's nut | 9 | 4 | 3 |
| 22 | Klucz imbusowy 10 / Hex key 10 | 10 | 4 | 1 |
| 27 | Stopka regulacyjna M12x40 / Adjustable feet M12x40 | 8, 11 | 4 | 4 |
| 28 | Nakrętka kontrująca M12 / Lock nut M12 | 8, 11 | 4 | 4 |
| 30 | Zaślepka otworu okrągłego / Blanking cap | 7 | 4 | 8 |

* dla szaf o szerokości 600 mm / for 600 mm wide cabinets ** dla szaf o szerokości 800 mm / for 800 mm wide cabinets

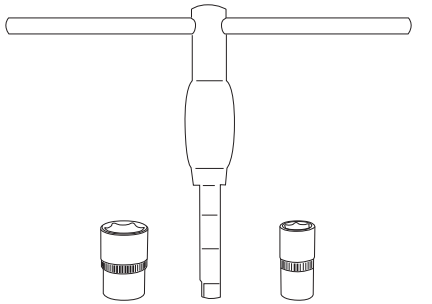
# Wykaz potrzebnych narzędzi / List of necessary tools



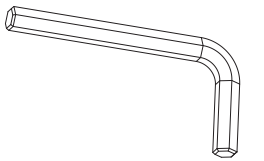
**Klucz płaski 19 i 27 / Wrench 19 and 27**



**Wkrętak krzyżowy PH3 / Screwdriver PH3**

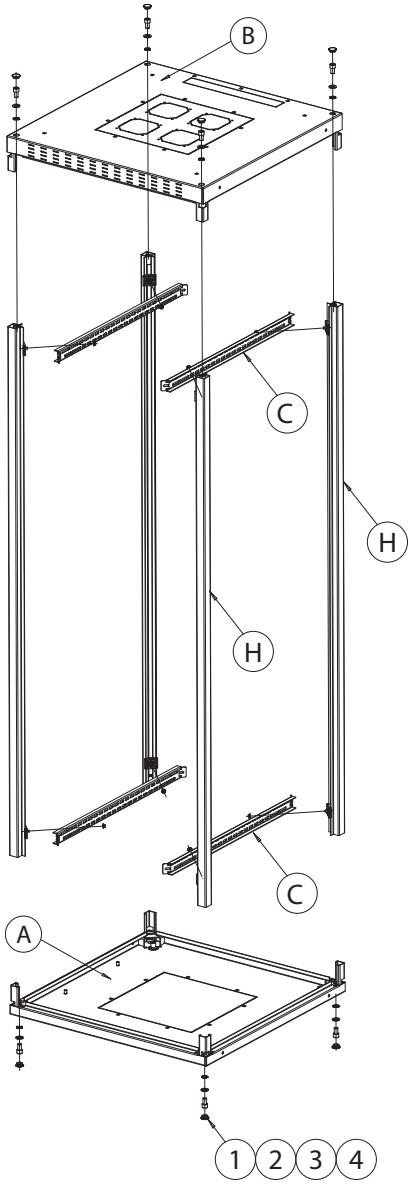


**Klucze nasadowe SW10 i 8 z pokrętłem / Socket wrench SW10 and SW8**

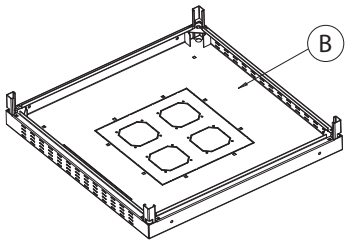


**Klucz imbusowy 10**
(dostarczany wraz z szafą - element nr 22) /
**Hex key 10**
(supplied with the cabinet - item no. 22)

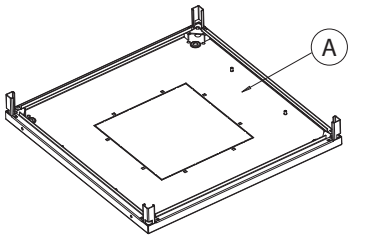
# Montaż szkieletu - przegląd elementów / Frame assembly - list of elements



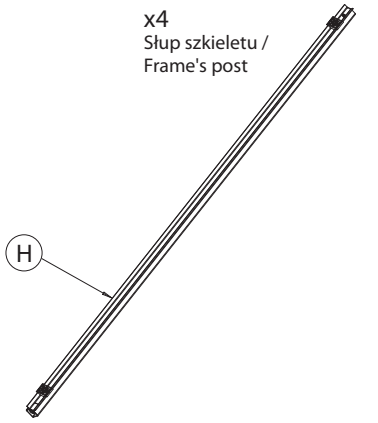

x1
Płyta górna szkieletu /
Frame's top plate



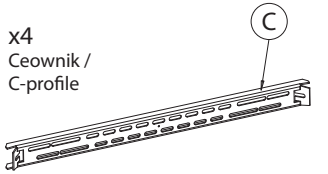

x1
Płyta dolna szkieletu /
Frame's bottom plate



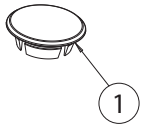

x4
Słup szkieletu /
Frame's post



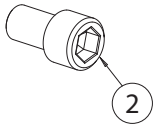

x4
Ceownik /
C-profile



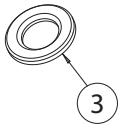

x8
Zaślepka /
Blanking cap



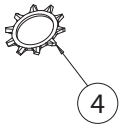

x8 (95 Nm)
Śruba imbusowa M12x20 /
Hex-socket screw M12x20




x8
Podkładka okrągła ø13 /
Washer ø13



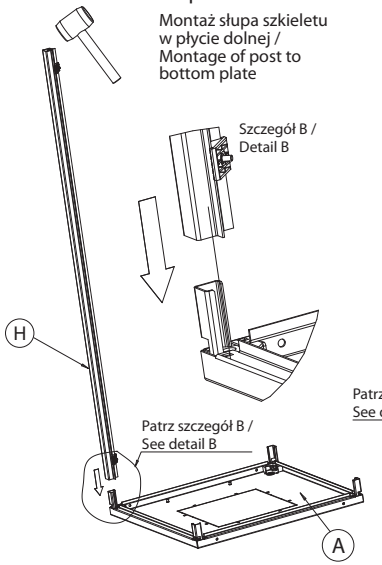

x8
Podkładka ząbkowana ø12,5 /
Serrated washer ø12.5



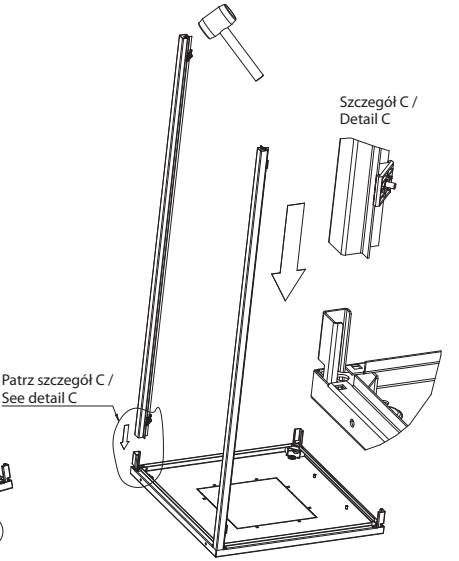
# Montaż szkieletu - połączenie słupów z płytą dolną i górną / Frame assembly - mounting posts to bottom and top plate

Krok 1
Step 1

Montaż słupa szkieletu w płycie dolnej /
Montage of post to bottom plate

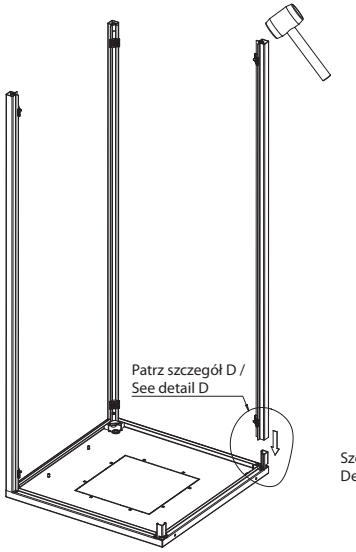



Krok 2
Step 2

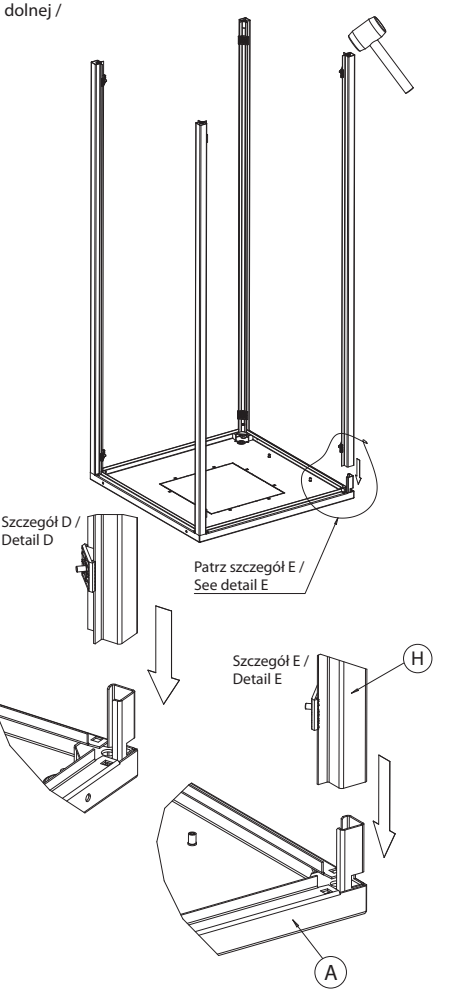


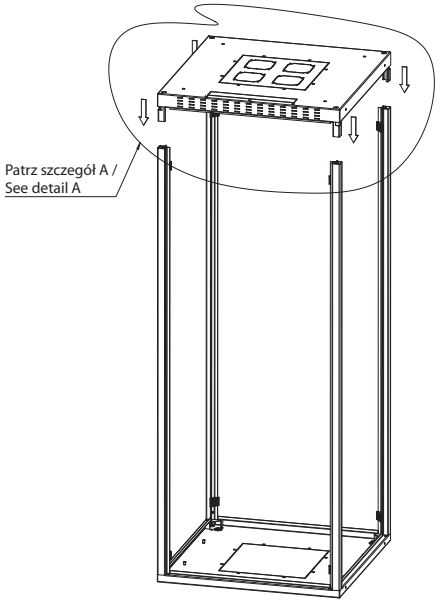

Krok 3
Step 3

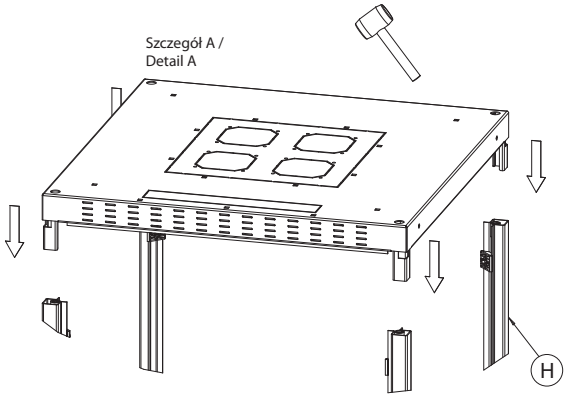
Montaż pozostałych słupów szkieletu w płycie dolnej /
Montage of remaining posts




Krok 4
Step 4



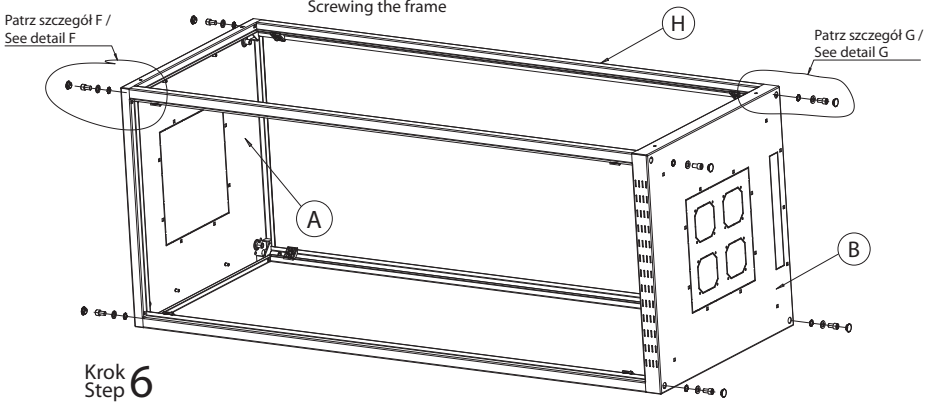



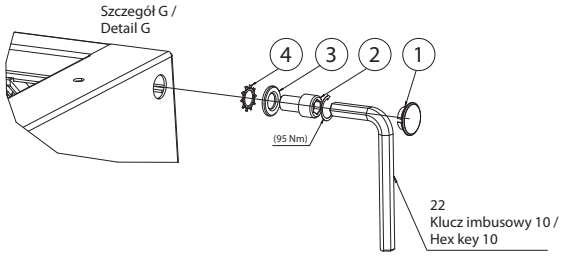



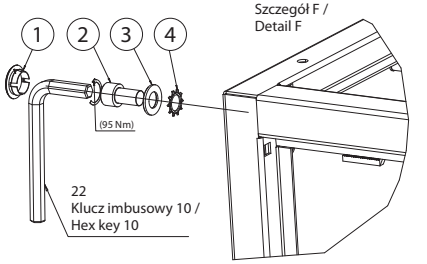
# Montaż szkieletu - skręcenie słupów z płytą dolną i górną, przykręcenie ceowników / Frame assembly - screwing the frame, montage of C-profiles

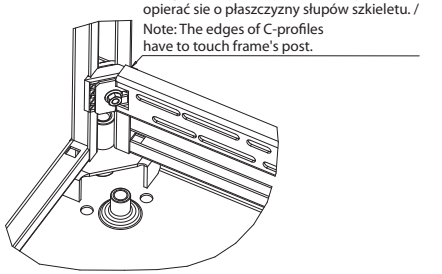
## Krok / Step 5

Montaż kompletnego szkieletu (skręcanie) / Screwing the frame



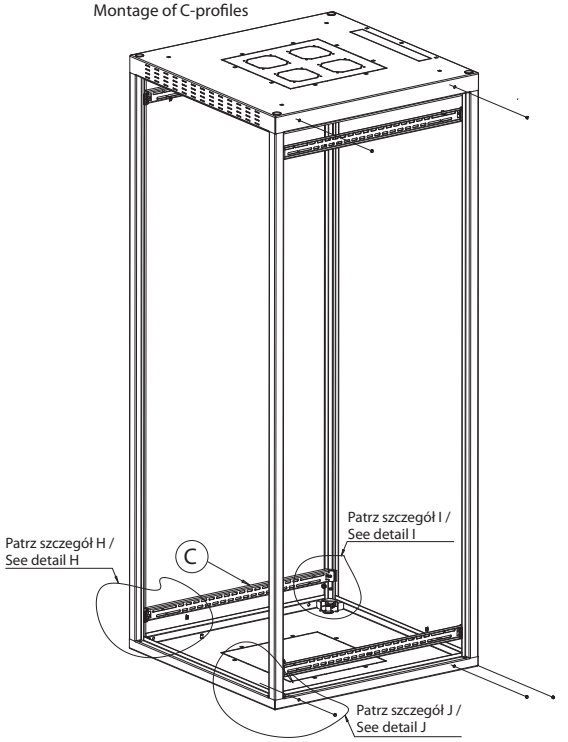



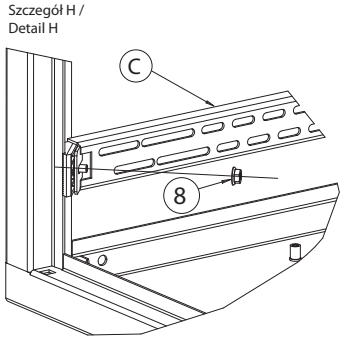



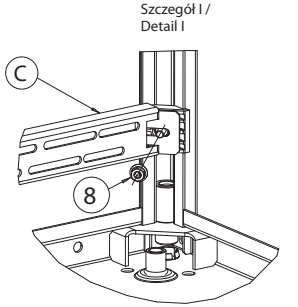



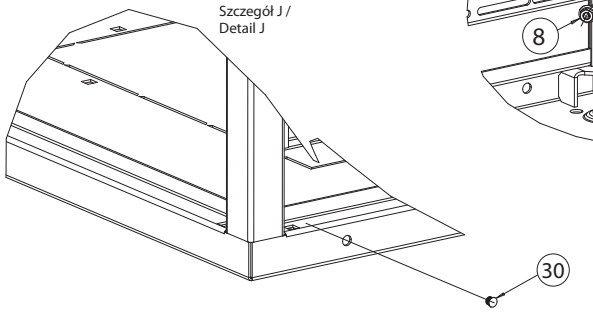

## Krok / Step 6

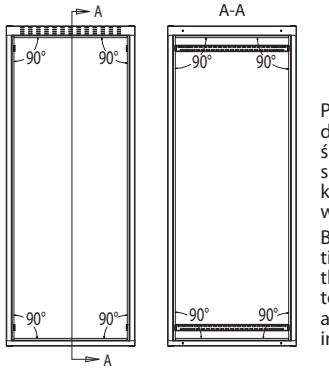
Montaż ceowników w szkielecie / Montage of C-profiles



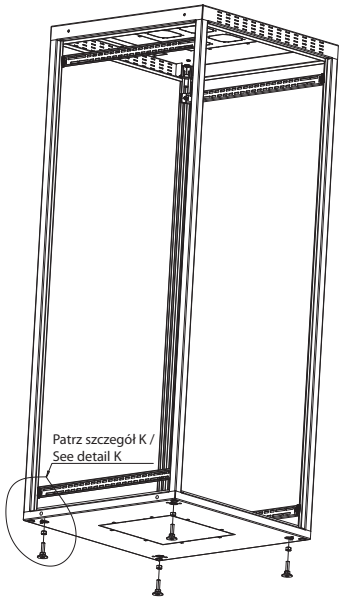

Przed dokręceniem śrub (2) sprawdzić kąty proste w szkielecie.

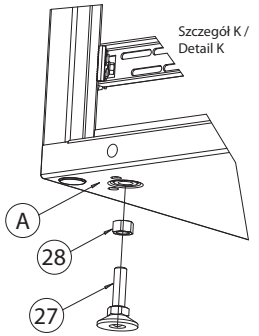
Before tightening the screws (2) to check right angles in the frame.

# Montaż stopek i belek nośnych / Montage of leveling feet and mounting profiles

## Krok / Step 7

Montaż stopek regulacyjnych /
Montage of leveling feet

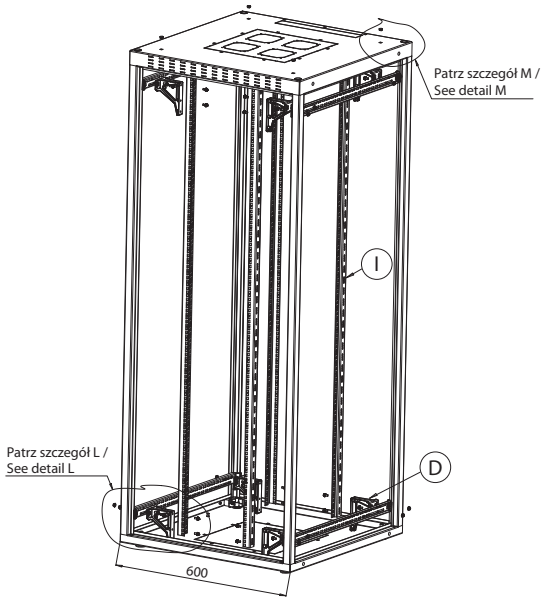


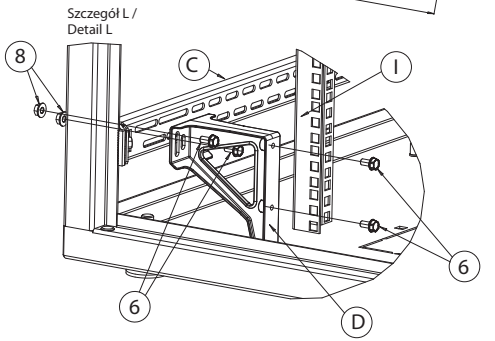



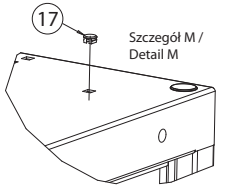

Uwaga:
Po wypoziomowaniu szafy należy dokręcić do płyty dolnej (A) nakrętki (28) znajdujące się na każdej ze stopek.
Jest to warunek zapewnienia maksymalnej nośności szafy.
Instrukcja poziomowania szafy znajduje się na str. 11

## Krok / Step 8a

Montaż belek nośnych do szaf o szerokości L=600 /
Montage of mounting profiles in 600 mm wide cabinets



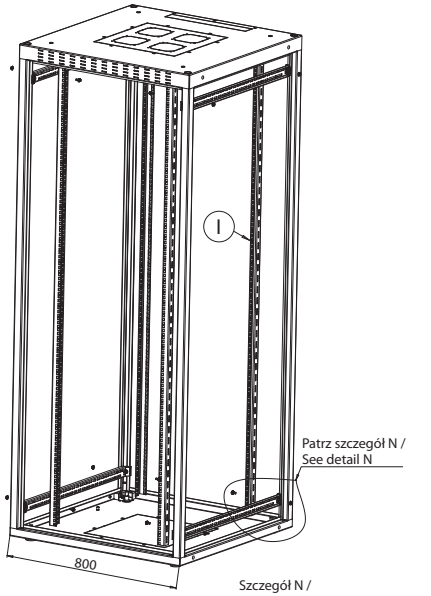



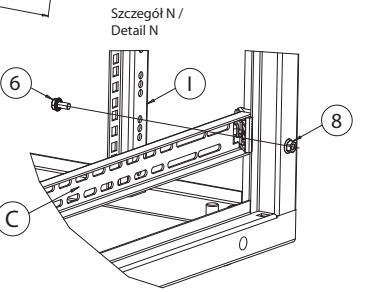




Note:
After leveling the cabinet, tighten the nuts (28) to the bottom plate (A), located on each feet.
It is a necessary condition to ensure maximum load capacity of the cabinet. For leveling manual, see page 11.

## Krok / Step 8b

Montaż belek nośnych do szaf o szerokości L=800 /
Montage of mounting profiles in 800 mm wide cabinets

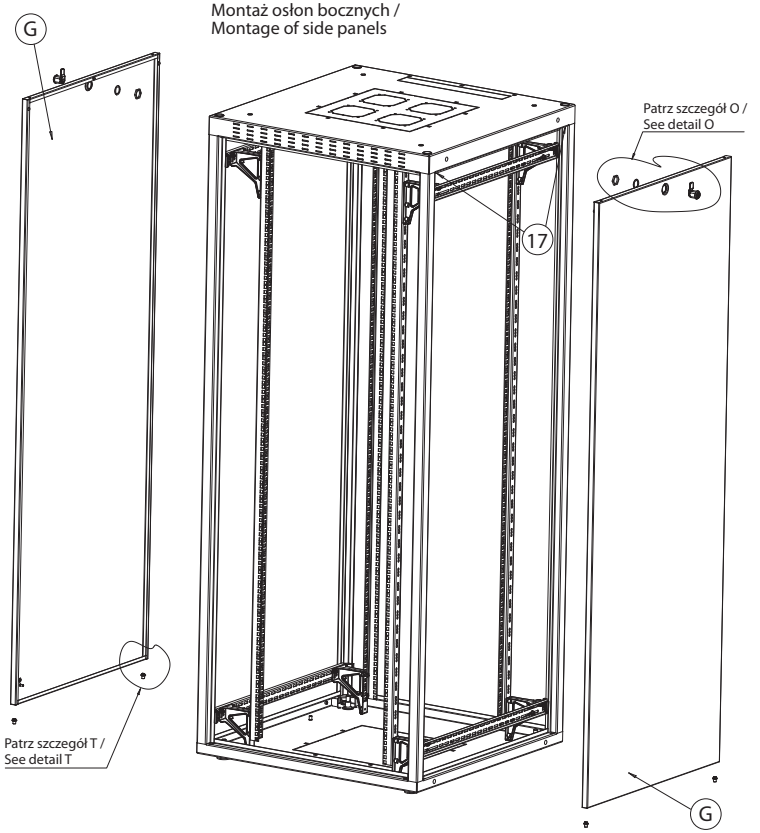


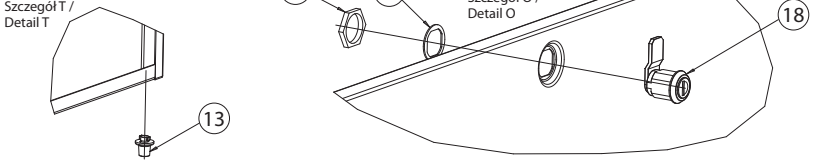



# Montaż dachu i osłon bocznych / Montage of roof and side panels

## Krok / Step 9

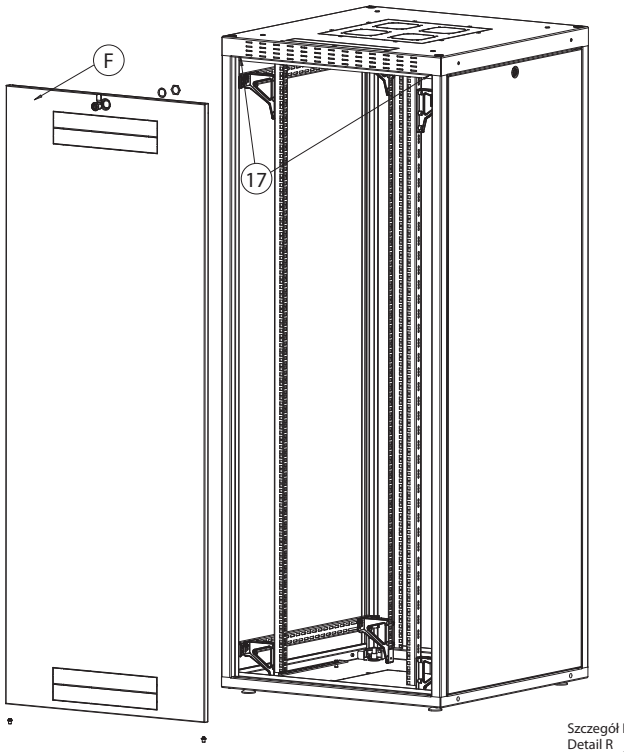
Montaż osłon bocznych /
Montage of side panels

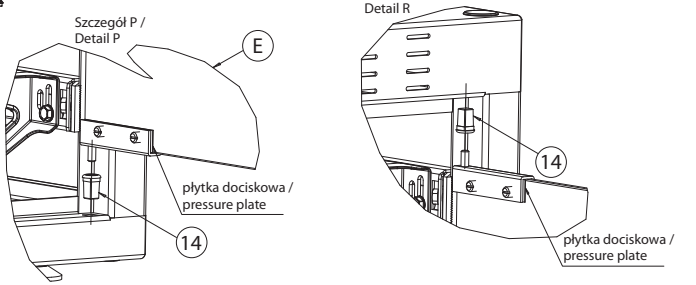



## Krok / Step 10

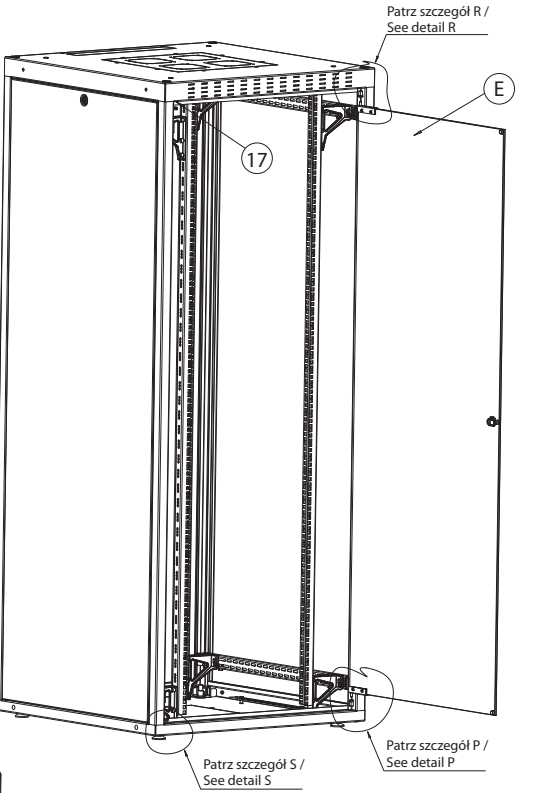
Montaż osłony bocznej /
Montage of rear panel

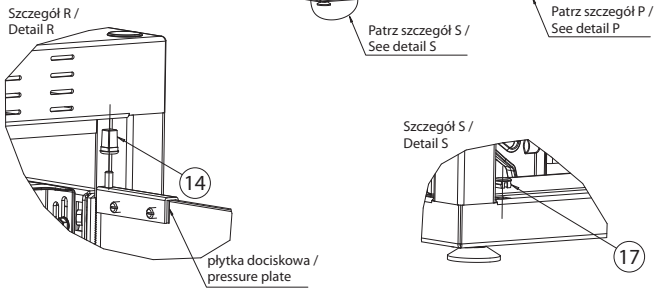


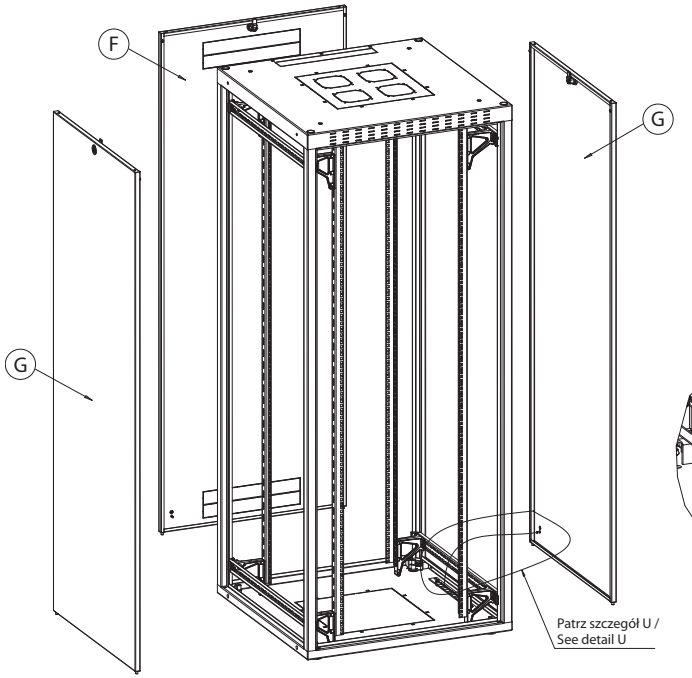

## Krok / Step 11

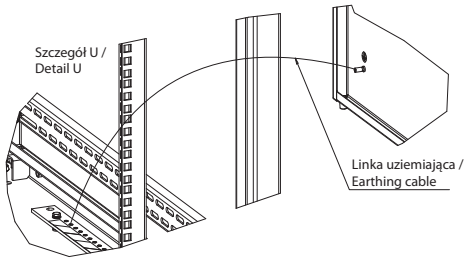
Montaż drzwi przednich szklanych /
Montage of front glass door

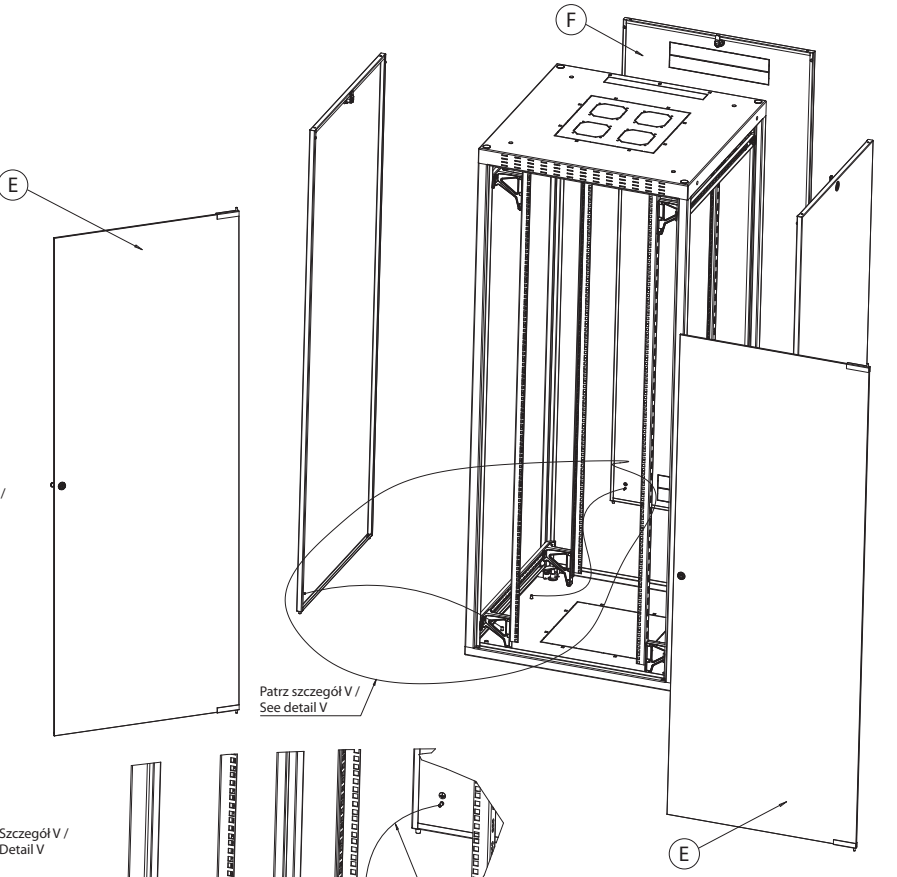


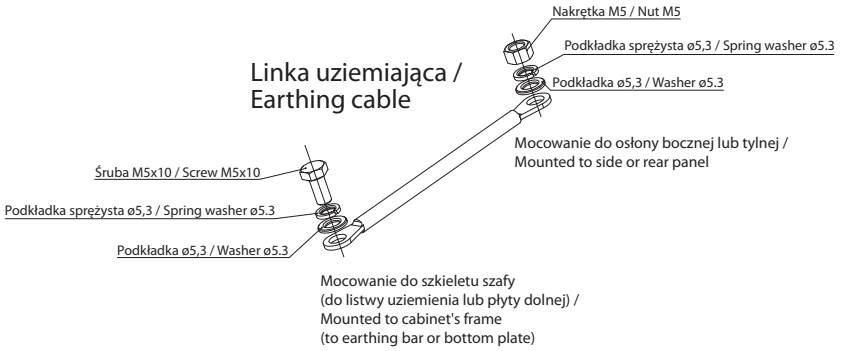



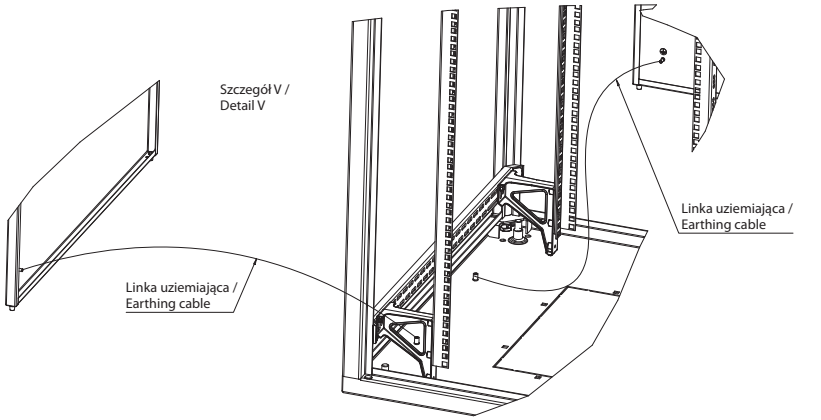
# Uziemienie drzwi i osłon / Doors and panels earthing



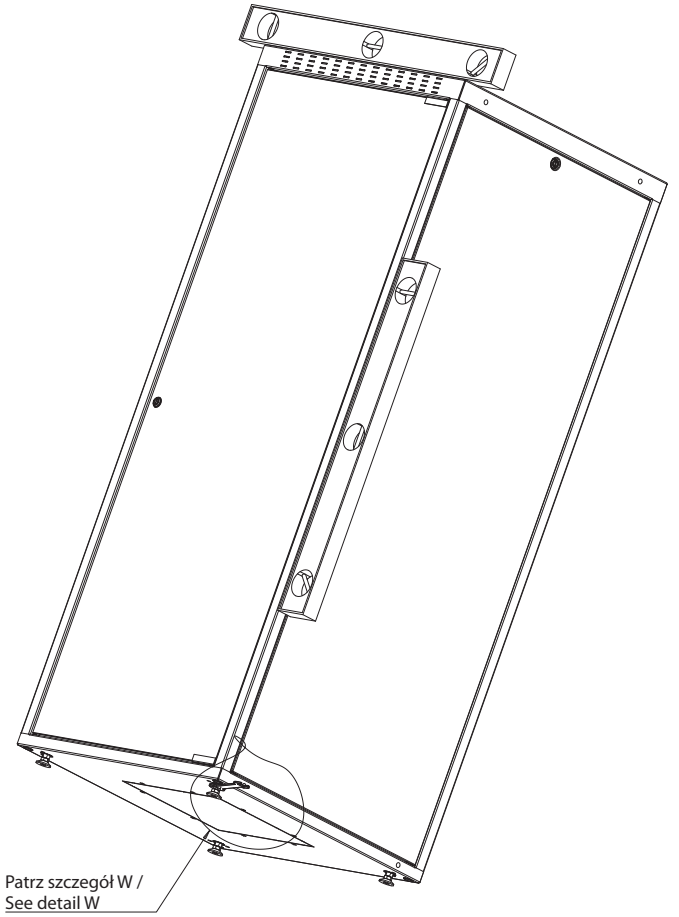



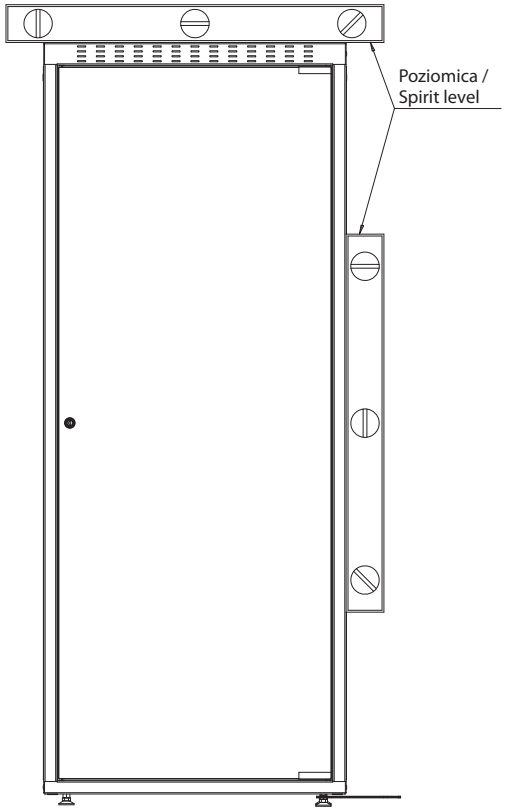



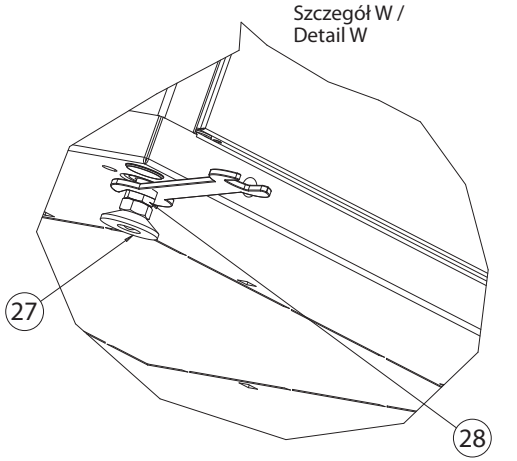

Uwaga:
Linki uziemienia są wyposażeniem dodatkowym szafy, zamawianym oddzielnie.

Note:
Earthing cables are supplementary accessories, ordered separately.

# Poziomowanie szafy / Level the cabinet




1. Wypoziomować szafę za pomocą stopek regulacyjnych (27).

2. Po wypoziomowaniu szafy dokręcić do płyty dolnej (A) nakrętki (28) znajdujące się na każdej ze stopek (27). Jest to warunek zapewnienia maksymalnej nośności szafy.

1. Level the cabinet using the levelling feet (27).

2. After levelling the cabinet, tighten the nuts (28) to the bottom plate (A), located on each foot (27). It is a necessary condition to ensure maximum load capacity of the cabinet.




**for your connections**