

E - E
1: 20

C - C

WYCI CIE W POZ.
1: 10

HEB 160 - 2040

RURA 3

BL. 6 - 60 x 1953
1953

R25

HEB 160 - 2040

Technical drawing of a window frame assembly in section. The drawing shows a vertical frame (1) with a horizontal sash (16) and a diagonal support arm (7). The sash is held in place by a roller (12) and a balance arm (17). The frame is mounted on a wall (11) with a height of 3060 mm. The sash has a width of 1300 mm and a height of 610 mm. The drawing includes various dimensions and callouts for components like the roller (12), balance arm (17), and support arm (7). A detail view of the roller (10) is shown with dimensions 160 x 160 mm and a scale of 1:10.

B - B
1 : 20

1
HEB 200 - 5030

8

10

2170

9

5030

5050

2110

9

750

10

50

C - C
1 : 20

5100

2310

1830

890

10

8

E | H |

11

1

11

10

5

16

10

6

12

12

180

10

8

C |

BELKA CZOŁOWA LVL R

G - G
1 : 10

3

5 - 20 x 49

1

258

170

20

80

R80

Ø18

67

104

55

170

20

14

20

20

90

9

49

64

130

360

BL. 8 - 90 x 170

BL. 10 - 170 x 360

H - H
1 : 10

160

1680

2000

160

160

2040

7

6

D

4

HEB 160 - 2000

16

3

17

7

6

D

3
5 - 20 x 49

G - G
1 : 10

1
258
170
20
80
R80
Ø18
67
114
55
170
20
14
20
20
90
49
64
130
360
9
BL. 8 - 90 x 170
BL. 10 - 170 x 360

H - H
1 : 10

Technical drawing of a mechanical assembly (Fig. 1) showing a cross-section of a shaft with a key and a pulley. The drawing includes dimensions for the shaft diameter (Ø18), key width (14), and pulley dimensions (170, 160, 120, etc.). The drawing is labeled "H - H" and "1 : 10".

[illegible]

K - K
1 : 1

8 2 8
HEB 200 - 515
9
USTALI NA BUDOWIE
45 10 515 10 45
625

F - F
1:10

Technical drawing showing the cross-section of a reinforced concrete beam (F-F) with dimensions and reinforcement details. The drawing includes a side view and a cross-section view.

Dimensions:

- Overall width: 310
- Overall height: 210
- Top flange width: 150
- Top flange thickness: 30
- Web width: 160
- Bottom flange width: 110
- Bottom flange thickness: 110
- Reinforcement spacing (vertical): 80, 80, 70
- Reinforcement spacing (horizontal): 30

Reinforcement Details:

- Top reinforcement: 1 (indicated by a line pointing to the top bar)
- Bottom reinforcement: 8 (indicated by a line pointing to the bottom bar)
- Reinforcement diameter: $\phi/8$ (indicated by a line pointing to the reinforcement bars)

Labels:

- BELKA CZOŁOWA LVL R (indicated by a line pointing to the beam section)

Notes:

- BL 10 - 210 x 310

Technical drawing of a building facade detail, showing a cross-section of a window frame and a sloped structural member (7). The drawing includes dimensions and labels for various components.

Dimensions:

- Vertical dimension: 3060
- Horizontal dimension: 2040
- Horizontal dimension: 1300
- Horizontal dimension: 610
- Horizontal dimension: 120
- Horizontal dimension: 10
- Horizontal dimension: 230
- Horizontal dimension: 190
- Horizontal dimension: 250
- Horizontal dimension: 190

Labels and Components:

- 2:** Window frame profile (top and bottom).
- 3:** Horizontal structural member (sill).
- 6:** Horizontal structural member (sill).
- 7:** Sloped structural member (ramp).
- 9:** Vertical structural member (post).
- 10:** Vertical structural member (post).
- 11:** Vertical structural member (post).
- 12:** Vertical structural member (post).
- 13:** Vertical structural member (post).
- 14:** Vertical structural member (post).
- 15:** Vertical structural member (post).
- 16:** Vertical structural member (post).
- 17:** Horizontal structural member (sill).
- 18:** Vertical structural member (post).

Section Lines:

- K-K:** Section line through the top of the window frame.
- C-C:** Section line through the bottom of the window frame.

Other Labels:

- +6,010:** Elevation mark at the top of the window frame.
- +2,950:** Elevation mark at the bottom of the window frame.

Scale: 1:10

L - L

1 : 10

310

30 150 160

210

80 60

70

Ø18

Ø18

Ø18

110

**BELKA STROPOWA
WZMOCNIONA**

8

STAL S235JR
WYKAZ STALI NR 5
POZYCJE 1- 18

M-PROJEKT BIURO USŁUG PROJEKTOWYCH 41-902 Bytom ul.Olejniczak3/1	
FIRMA	TEL./FAX. +48 512266896
mgr inż. Adam ŁÓJ	970/94
PROJEKTANT	PODPIS NR UPRAWNIEN
mgr inż. Zofia WACH	256/85
SPRAWDZAJĄCY	PODPIS NR UPRAWNIEN

ZARZĄD BUDYNKÓW MIEJSKICH I
TOWARZYSTWA BUDOWNICTWA SPOŁECZNEGO Sp. z o.o.
INWESTOR

44-100 GLIWICE, ul. DOLNYCH WAŁÓW 11

BUDOWA BUDYNKU MIESZKALNEGO
TEMAT

41-100 GLIWICE, ul. GÓRNA, nr działki 19,20,21	1:20, 1:10
BALKONY	SKALA
NAZWA RYSUNKU	PW
KONSTRUKCJA	FAZA
BRANŻA	640-00176007
	NR LICENCJI

8K
NR RYSUNKU
1/01/2019
NR PROJEKTU
STYCZEŃ 2019
DATA
1:20, 1:10
SKALA
PW
FAZA
640-00176007
NR LICENCJI