

# Demo Project

## Wood Framing Plan

Generated: May 18, 2026

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### Settings

Wall Height: 2600 mm

Stud Spacing: 625 mm

Timber Profile: 60x160 mm

Plates: Base + Top (2x)

### Summary

Total Walls: 4

Total Pieces: 128

Total Timber Length: 312.6 m

### By Type

Stud: 54 pcs, 130.4 m

King Stud: 10 pcs, 24.2 m

Jack Stud: 10 pcs, 21.4 m

Cripple Stud: 15 pcs, 9.9 m

Base Plate: 6 pcs, 33.9 m

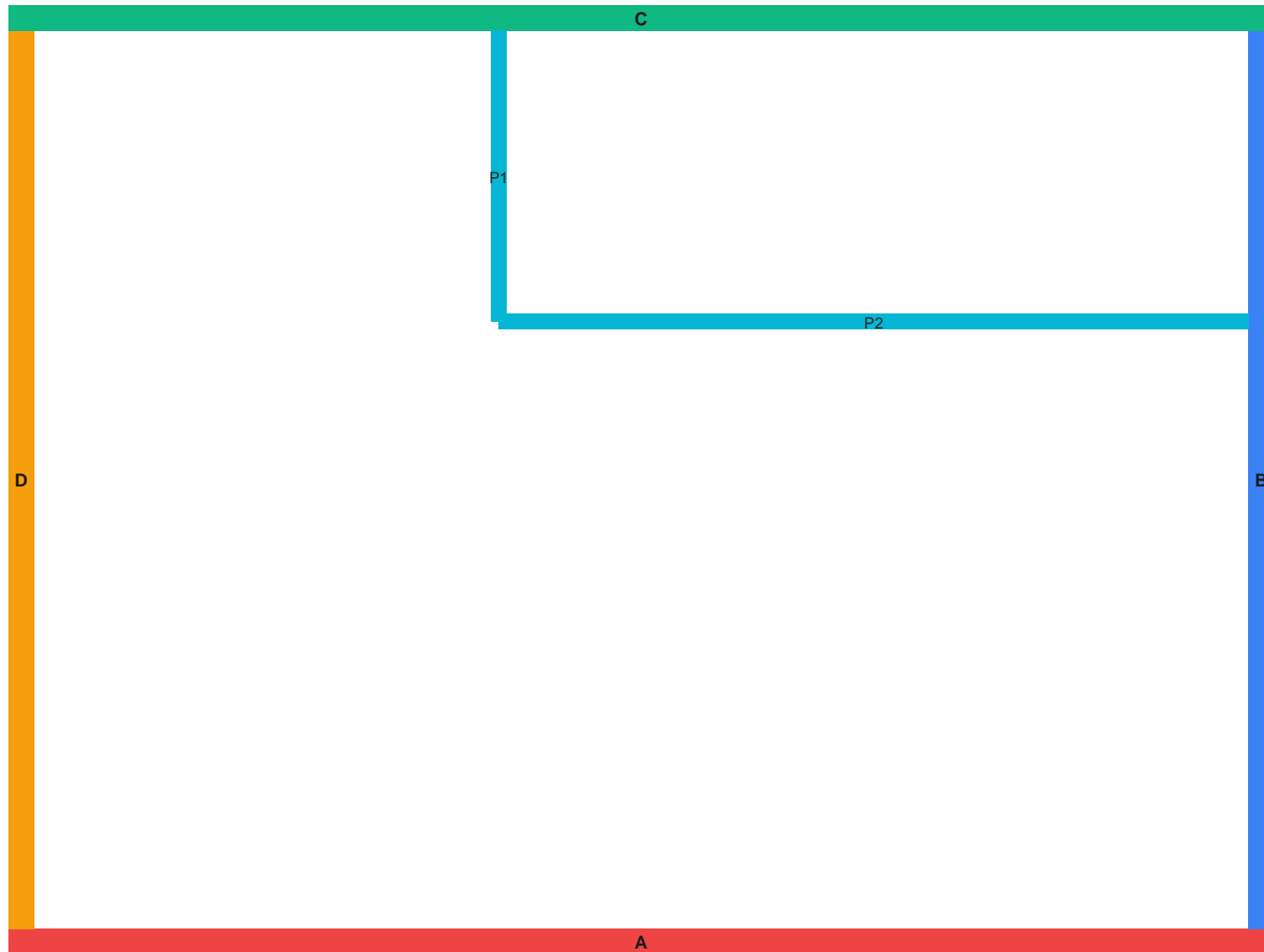
Top Plate: 12 pcs, 67.9 m

Header: 14 pcs, 18.7 m

Sill: 3 pcs, 4.2 m

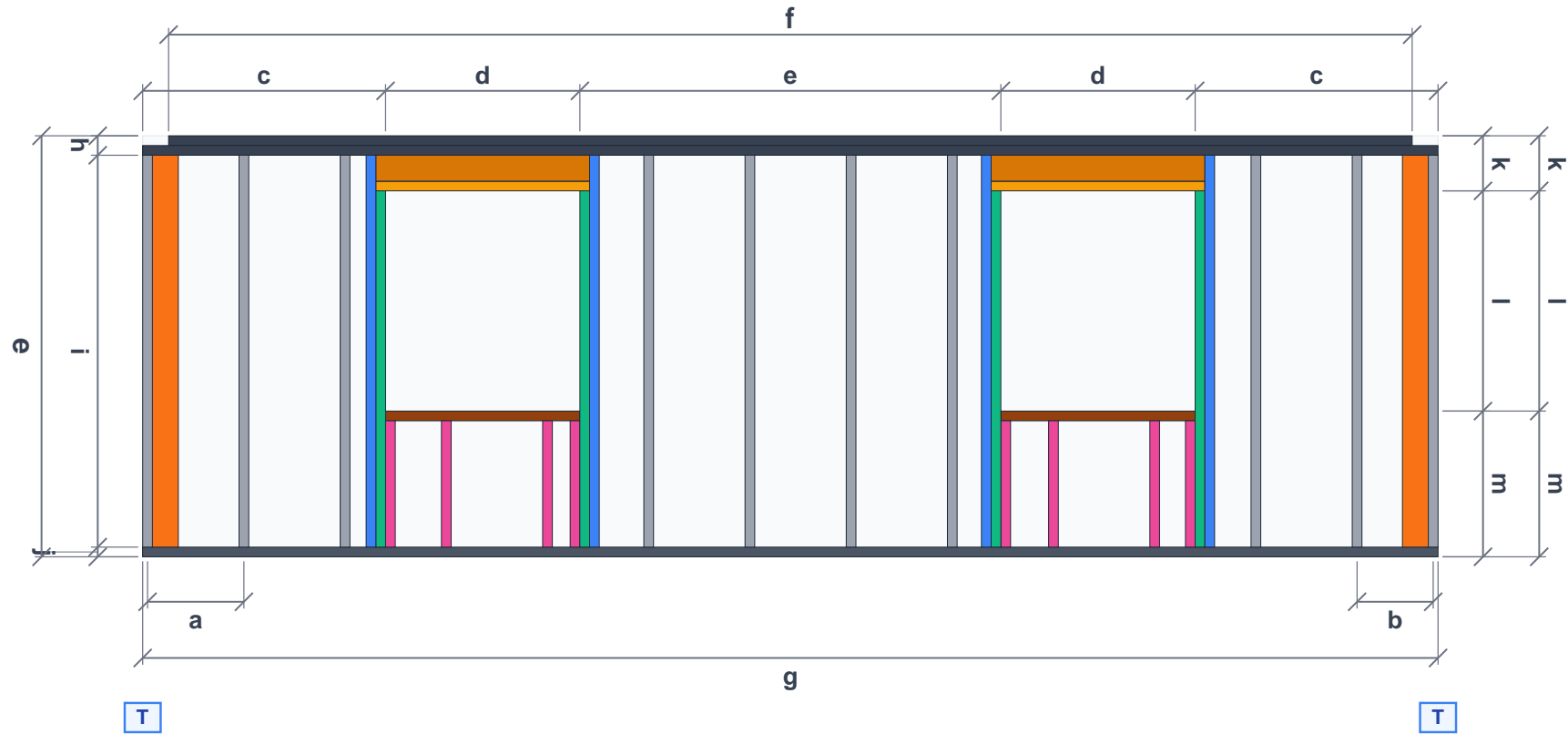
Nogging: 4 pcs, 1.9 m

# Floor Plan



# Wall A

39 pieces



**Wall info:** Height: 2,600 mm · Stud spacing (OC): 625 mm · Space between: 565 mm

**Legend:** Base Plate Top Plate Stud King Stud Jack Stud Header (Flat) Header (Edge) Sill Cripple (Bottom) Corner Stud

**Dimensions:** a = 159 mm b = 470 mm c = 1,500 mm d = 1,200 mm e = 2,600 mm f = 7,680 mm g = 8,000 mm h = 120 mm i = 2,420 mm j = 60 mm k = 340 mm

## Cut List — Wall A

Type	Length (mm)	Profile	Count	Total (m)
Stud	2420	60x160	10	24.20
Corner Stud	2420	60x160	2	4.84
King Stud	2420	60x160	4	9.68
Jack Stud	2200	60x160	4	8.80
Cripple Stud	780	60x160	8	6.24
Base Plate	8000	60x160	1	8.00
Top Plate	8000	60x160	1	8.00
Top Plate	7680	60x160	1	7.68
Header	1320	60x160	6	7.92
Sill	1200	60x160	2	2.40
<b>TOTAL</b>			<b>39</b>	<b>87.76</b>

# Wall B

15 pieces



**Wall info:** Height: 2,600 mm · Stud spacing (OC): 625 mm · Space between: 565 mm

**Legend:** ■ Base Plate ■ Top Plate ■ Stud ■ Nogging

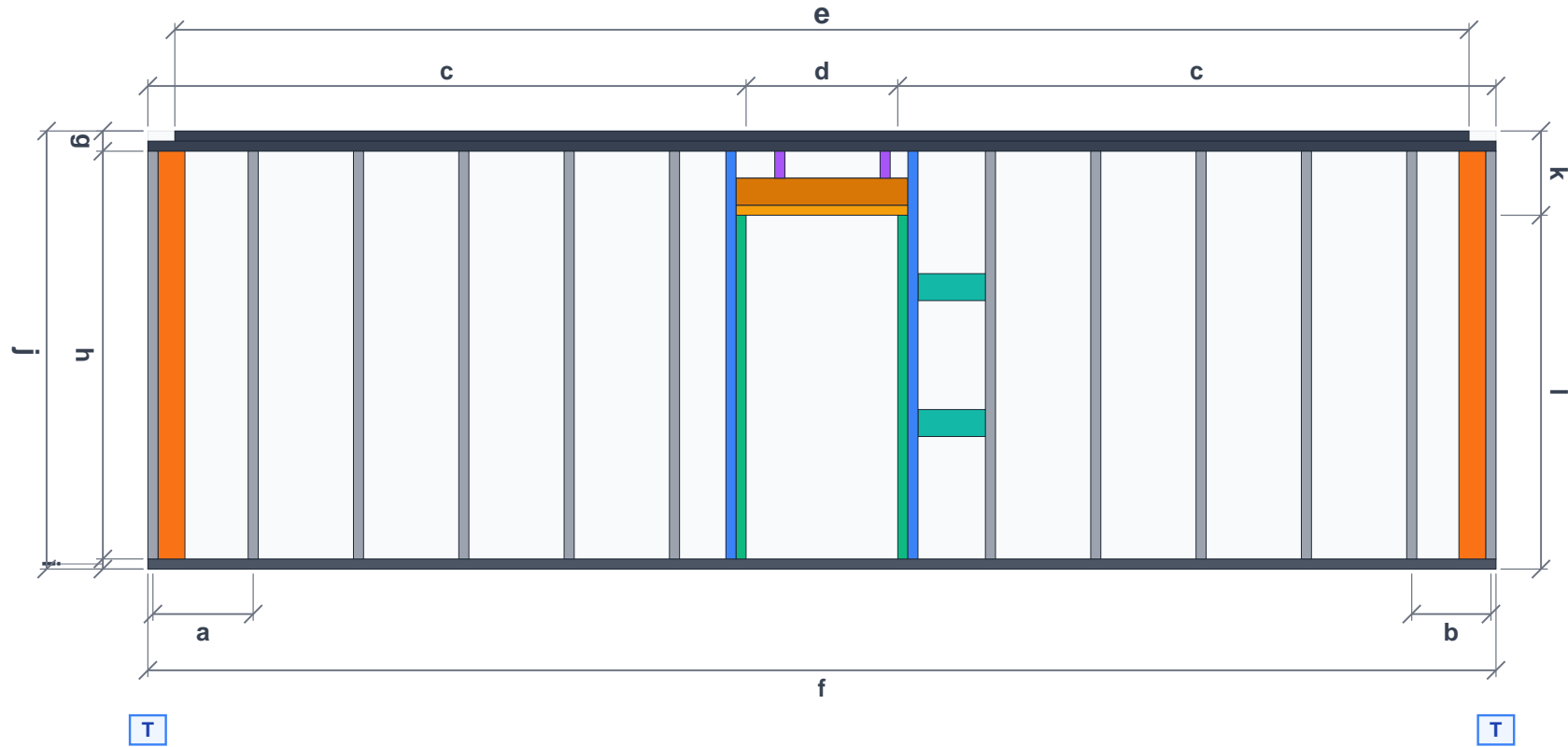
**Dimensions:** a = 595 mm   b = 650 mm   c = 6,000 mm   d = 5,680 mm   e = 120 mm   f = 2,420 mm   g = 60 mm   h = 2,600 mm

## Cut List — Wall B

Type	Length (mm)	Profile	Count	Total (m)
Stud	2420	60x160	10	24.20
Base Plate	5680	60x160	1	5.68
Top Plate	6000	60x160	1	6.00
Top Plate	5680	60x160	1	5.68
Nogging	565	60x160	2	1.13
<b>TOTAL</b>			<b>15</b>	<b>42.69</b>

# Wall C

28 pieces



**Wall info:** Height: 2,600 mm · Stud spacing (OC): 625 mm · Space between: 565 mm

**Legend:** Base Plate Top Plate Stud King Stud Jack Stud Header (Flat) Header (Edge) Cripple (Top) Corner Stud Nogging

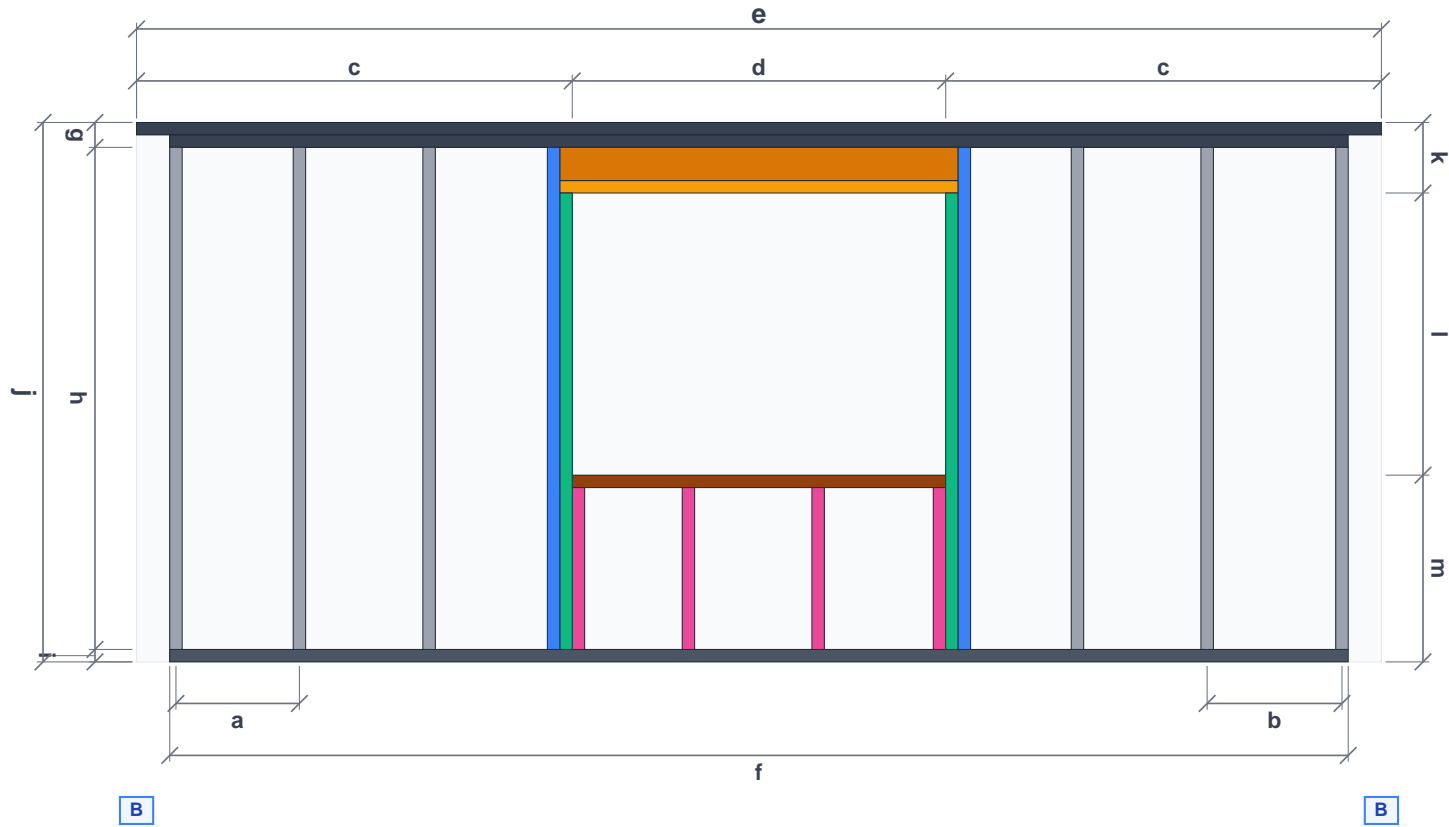
**Dimensions:** a = 2,960 mm b = 470 mm c = 3,550 mm d = 900 mm e = 7,680 mm f = 8,000 mm g = 120 mm h = 2,420 mm i = 60 mm j = 2,600 mm k = 500 mm

## Cut List — Wall C

Type	Length (mm)	Profile	Count	Total (m)
Stud	2420	60x160	12	29.04
Corner Stud	2420	60x160	2	4.84
King Stud	2420	60x160	2	4.84
Jack Stud	2040	60x160	2	4.08
Cripple Stud	160	60x160	2	0.32
Base Plate	8000	60x160	1	8.00
Top Plate	8000	60x160	1	8.00
Top Plate	7680	60x160	1	7.68
Header	1020	60x160	3	3.06
Nogging	400	60x160	2	0.80
<b>TOTAL</b>			<b>28</b>	<b>70.66</b>

# Wall D

21 pieces



**Wall info:** Height: 2,600 mm · Stud spacing (OC): 625 mm · Space between: 565 mm

**Legend:** Base Plate Top Plate Stud King Stud Jack Stud Header (Flat) Header (Edge) Sill Cripple (Bottom)

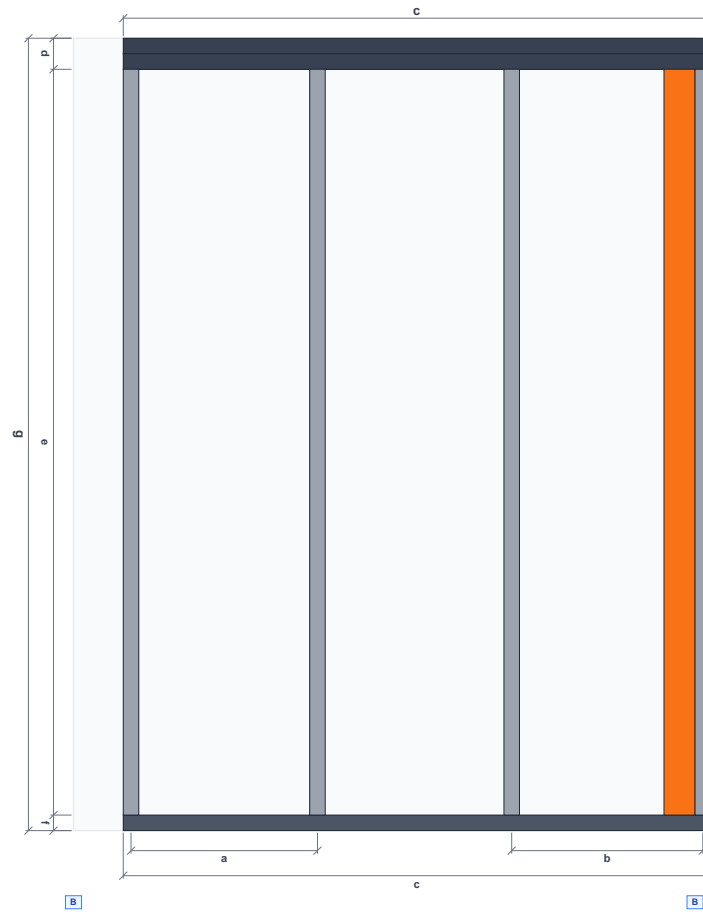
**Dimensions:** a = 159 mm b = 500 mm c = 2,100 mm d = 1,800 mm e = 6,000 mm f = 5,680 mm g = 120 mm h = 2,420 mm i = 60 mm j = 2,600 mm k = 340 mm

## Cut List — Wall D

Type	Length (mm)	Profile	Count	Total (m)
Stud	2420	60x160	6	14.52
King Stud	2420	60x160	2	4.84
Jack Stud	2200	60x160	2	4.40
Cripple Stud	780	60x160	4	3.12
Base Plate	5680	60x160	1	5.68
Top Plate	6000	60x160	1	6.00
Top Plate	5680	60x160	1	5.68
Header	1920	60x160	3	5.76
Sill	1800	60x160	1	1.80
<b>TOTAL</b>			<b>21</b>	<b>51.80</b>

P1

8 pieces



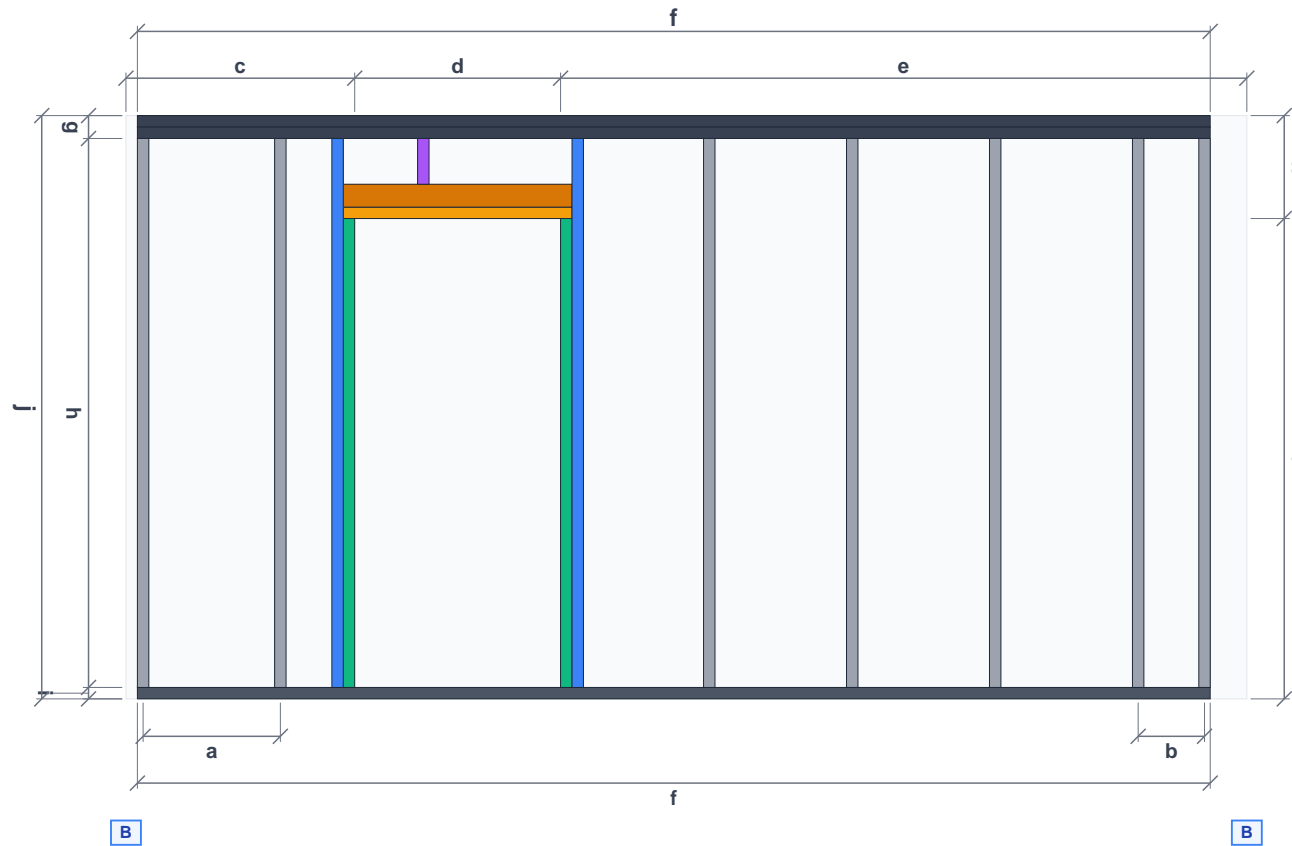
**Wall info:** Height: 2,550 mm · Stud spacing (OC): 625 mm · Space between: 575 mm · Top offset: 50 mm

**Legend:** ■ Base Plate ■ Top Plate ■ Stud ■ Corner Stud

**Dimensions:** a = 600 mm    b = 615 mm    c = 1,890 mm    d = 100 mm    e = 2,400 mm    f = 50 mm    g = 2,550 mm

## Cut List — P1

Type	Length (mm)	Profile	Count	Total (m)
Stud	2400	60x160	4	9.60
Corner Stud	2400	60x160	1	2.40
Base Plate	1890	60x160	1	1.89
Top Plate	1890	60x160	2	3.78
<b>TOTAL</b>			<b>8</b>	<b>17.67</b>



**Wall info:** Height: 2,550 mm · Stud spacing (OC): 625 mm · Space between: 575 mm · Top offset: 50 mm

**Legend:** ■ Base Plate ■ Top Plate ■ Stud ■ King Stud ■ Jack Stud ■ Header (Flat) ■ Header (Edge) ■ Cripple (Top)

**Dimensions:** a = 2,000 mm   b = 290 mm   c = 1,000 mm   d = 900 mm   e = 3,000 mm   f = 4,690 mm   g = 100 mm   h = 2,400 mm   i = 50 mm   j = 2,550 mm   k = 450 mm

## Cut List — P2

Type	Length (mm)	Profile	Count	Total (m)
Stud	2400	60x160	7	16.80
King Stud	2400	60x160	2	4.80
Jack Stud	2050	60x160	2	4.10
Cripple Stud	200	60x160	1	0.20
Base Plate	4690	60x160	1	4.69
Top Plate	4690	60x160	2	9.38
Header	1000	60x160	2	2.00
<b>TOTAL</b>			<b>17</b>	<b>41.97</b>

# Cutlist

Type	Length (mm)	Profile	Count	Total (m)
Base Plate	8000	60x160	2	16.00
Base Plate	5680	60x160	2	11.36
Nogging	565	60x160	2	1.13
Nogging	400	60x160	2	0.80
Corner Stud	2420	60x160	4	9.68
Cripple Stud	780	60x160	12	9.36
Cripple Stud	160	60x160	2	0.32
Header	1920	60x160	3	5.76
Header	1320	60x160	6	7.92
Header	1020	60x160	3	3.06
Jack Stud	2200	60x160	6	13.20
Jack Stud	2040	60x160	2	4.08
King Stud	2420	60x160	8	19.36
Sill	1800	60x160	1	1.80
Sill	1200	60x160	2	2.40
Stud	2420	60x160	38	91.96
Top Plate	8000	60x160	2	16.00
Top Plate	7680	60x160	2	15.36
Top Plate	6000	60x160	2	12.00
Top Plate	5680	60x160	2	11.36
<b>TOTAL</b>			<b>103</b>	<b>252.91</b>