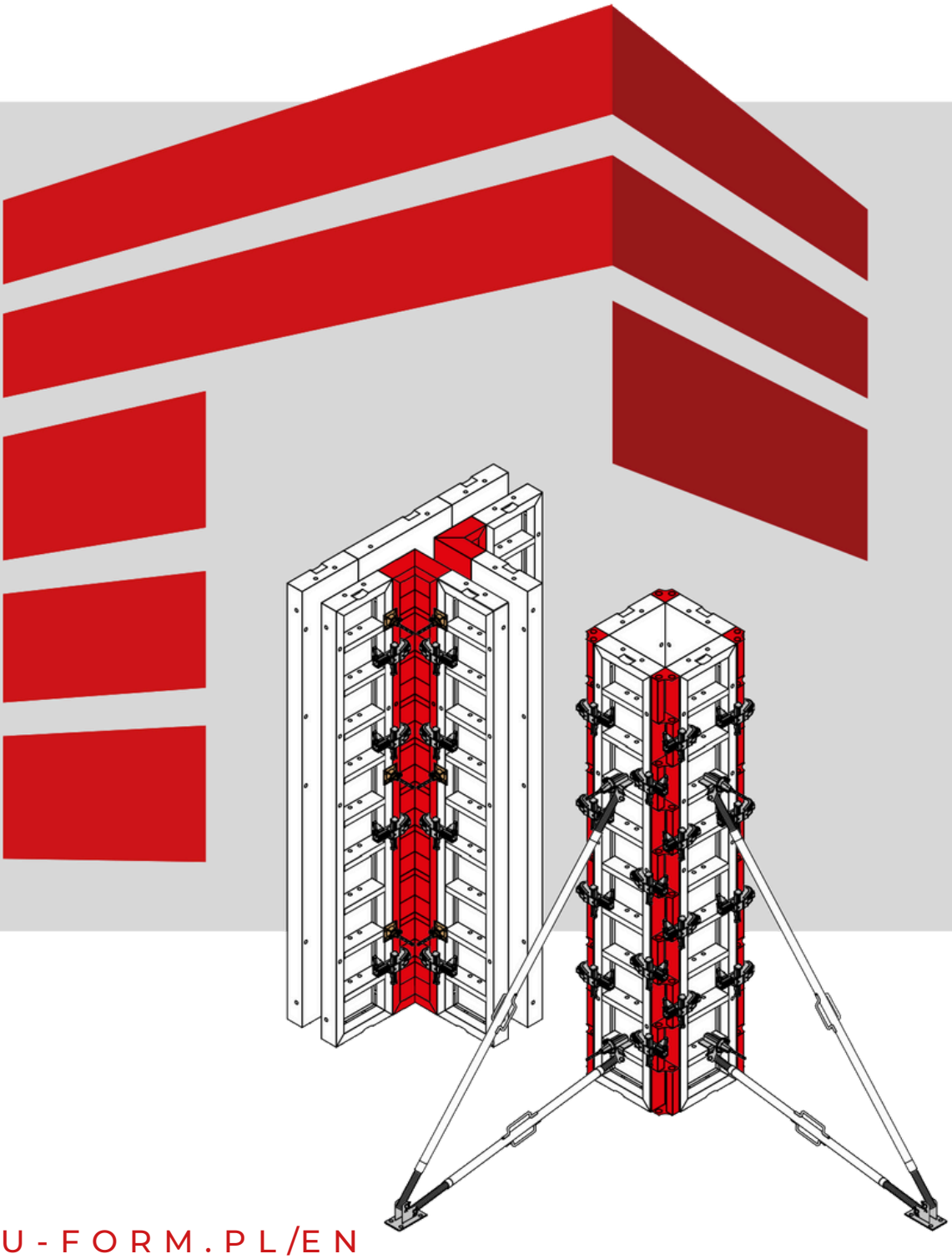
BAU-FORM
FORMWORK & SCAFFOLDING

DTR

MANUFACTURER OF BF120 FORMWORK



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BF 120 WALL FORMWORK

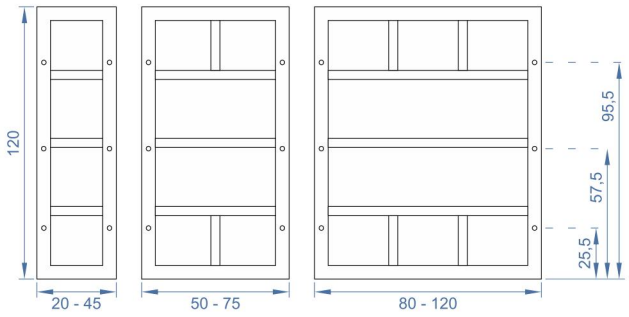
Designed for shuttering straight sections of walls. They consist of a frame and plywood. The frame is made of closed high-quality steel profiles and its anti-corrosion protection is made by powder coating.

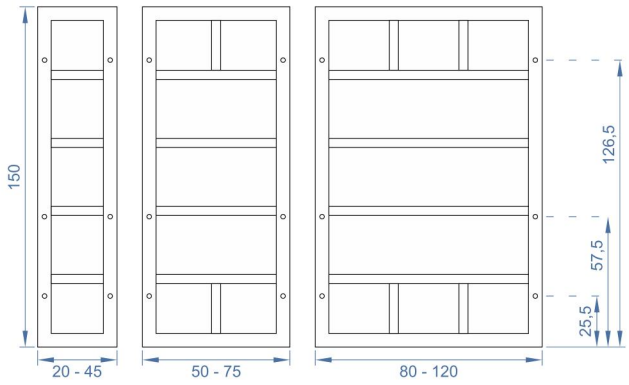
The sheathing is made of multi-layer waterproof plywood coated on both sides with a resin coating.

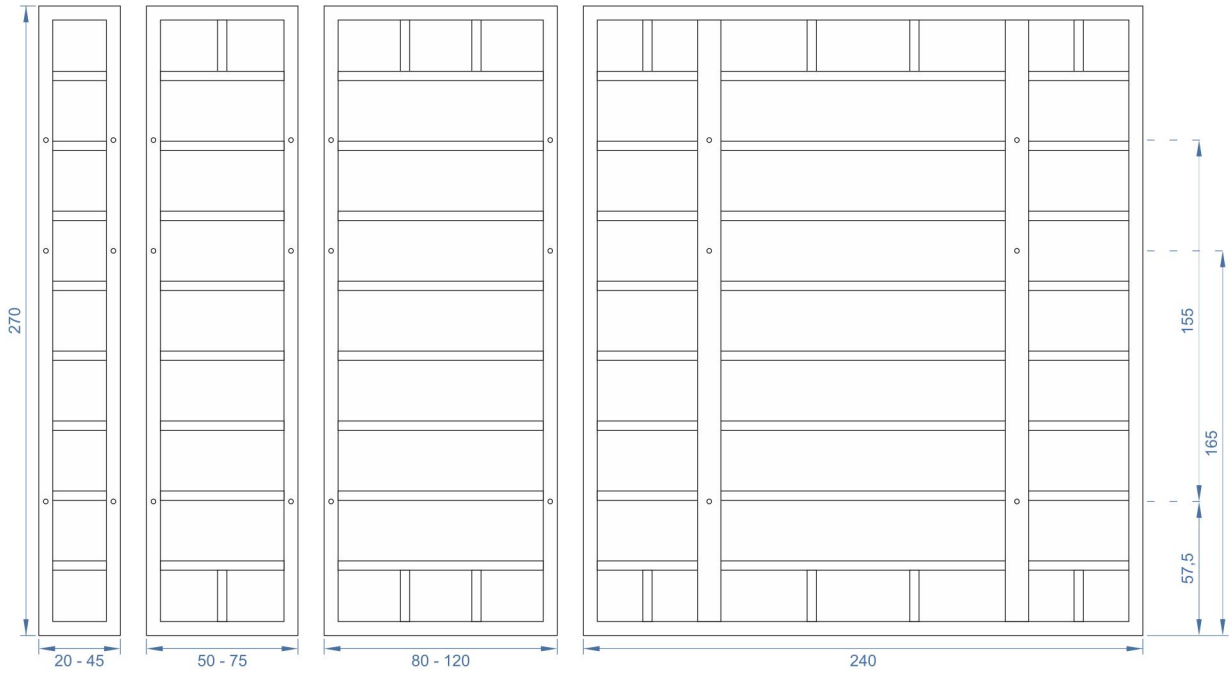
It guarantees high quality of concrete surface and a long life of formwork surfaces. The permissible concrete pressure is 80 kN/m.

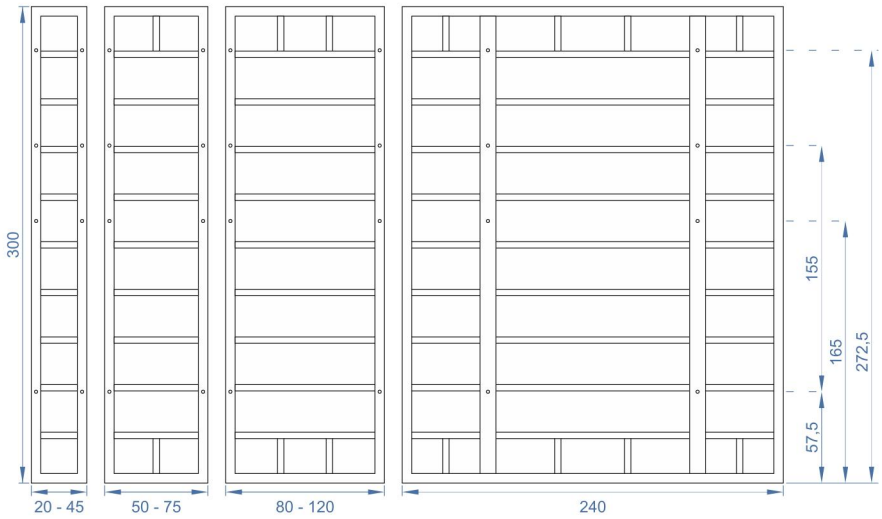
The dimensions and weight of BF 120 wall formwork is:

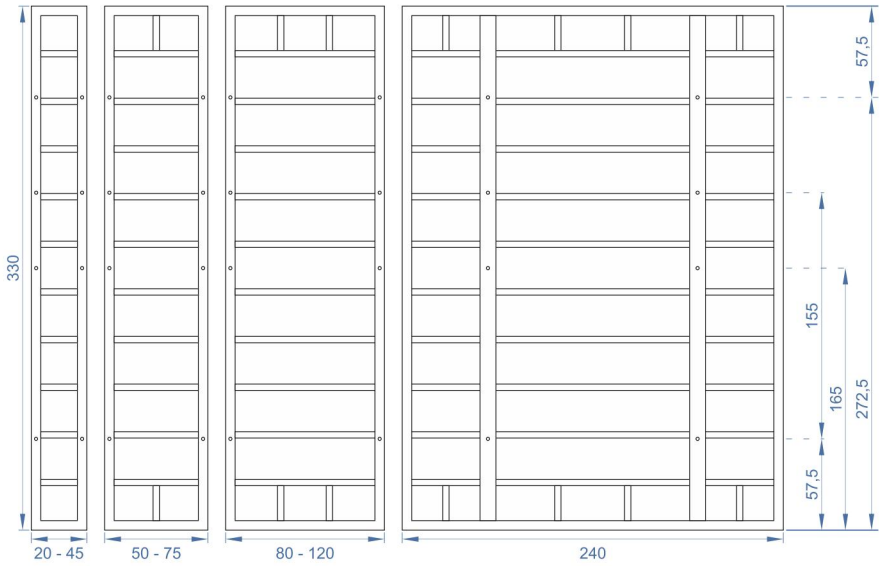
height [cm]	120	150	270	300	330
width [cm]	weight [kg]				
240	167,90	200,30	330,30	363,10	399,50
120	79,40	94,00	152,60	167,50	182,10
110	74,90	88,70	144,00	158,20	171,90
100	70,40	83,30	135,50	148,80	161,70
90	64,90	78,00	126,90	139,40	151,60
80	59,30	70,60	116,30	128,00	139,30
75	57,00	67,90	112,00	123,30	134,20
70	54,70	65,30	107,70	118,60	129,10
65	52,50	62,60	103,40	113,90	124,00
60	50,20	59,90	99,20	109,20	119,00
55	45,50	54,70	91,80	101,30	110,50
50	43,20	52,00	87,50	96,70	105,40
45	41,00	49,40	83,20	92,00	100,40
40	38,70	46,70	79,00	87,30	95,30
35	36,50	44,00	74,70	82,60	90,20
30	34,20	41,40	70,40	77,90	85,10
25	31,60	38,20	65,10	72,10	78,80
20	29,30	35,50	60,80	67,40	73,70











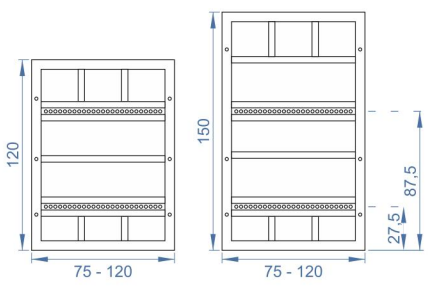
BFS 120 UNIVERSAL PANELS

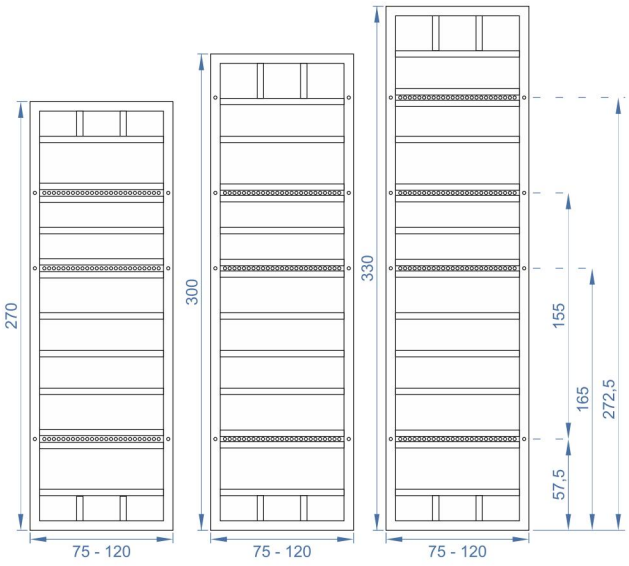
The construction of a universal panel differs from the design of a linear panel due to several rows of holes for tie rods made at a distance of 50 mm.

The universal panel is used to form square and rectangular posts and to create panel joints in the shape of "T" i "Π".

Dimensions and weight of BFS 120 universal panels:

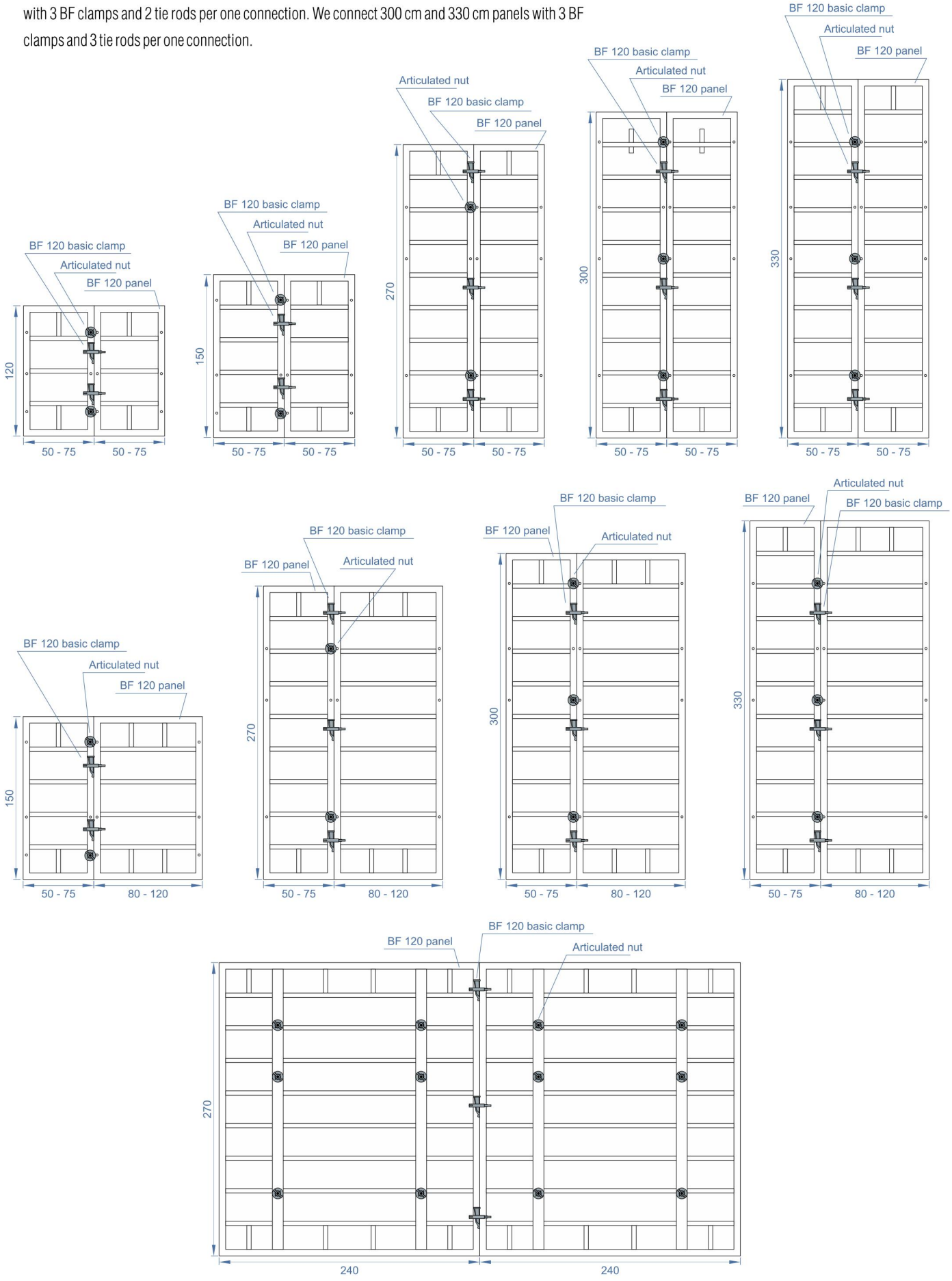
height [cm]	120	150	270	300	330
width [cm]	weight [kg]				
120	96,40	111,11	170,10	208,20	222,80
90	77,60	89,90	139,20	168,40	180,70
75	66,10	77,20	121,60	146,50	157,50

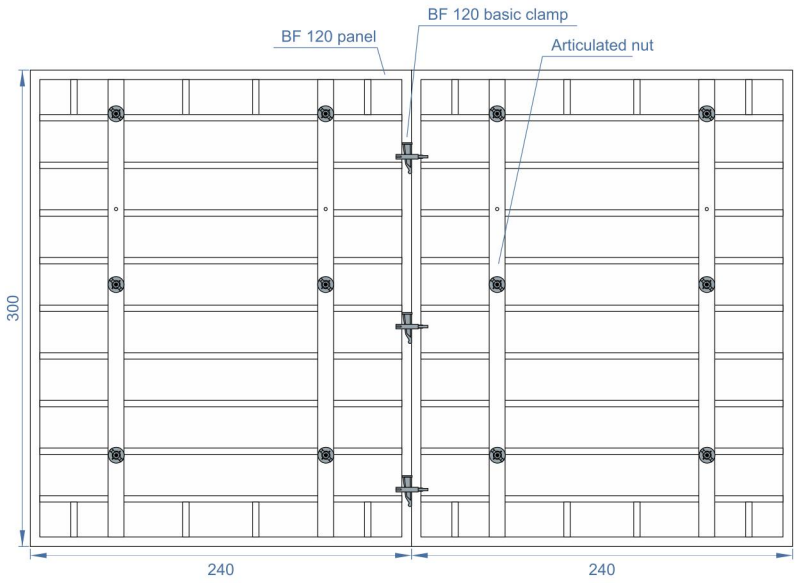


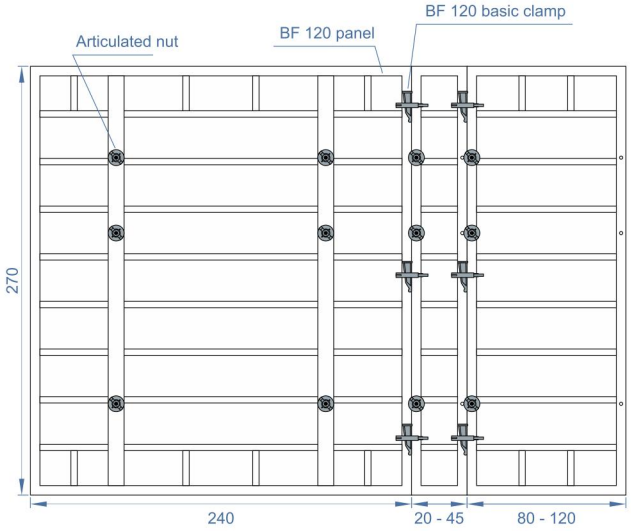


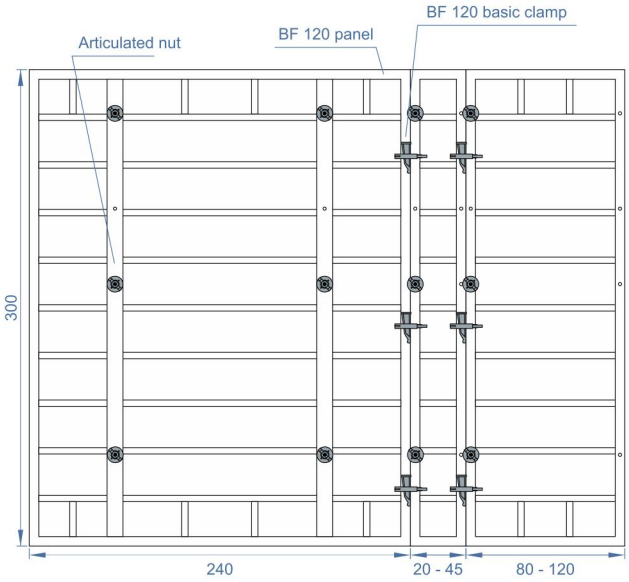
WALLS WITHOUT LEVEL RAISERS

We have walls with a height of 120 cm, 150 cm, 270 cm, 300 cm, 330 cm. We connect 120 cm and 150 cm panels with 2 BF 120 clamps and 2 tie rods per one connection. We connect the 270 cm panels with 3 BF clamps and 2 tie rods per one connection. We connect 300 cm and 330 cm panels with 3 BF clamps and 3 tie rods per one connection.



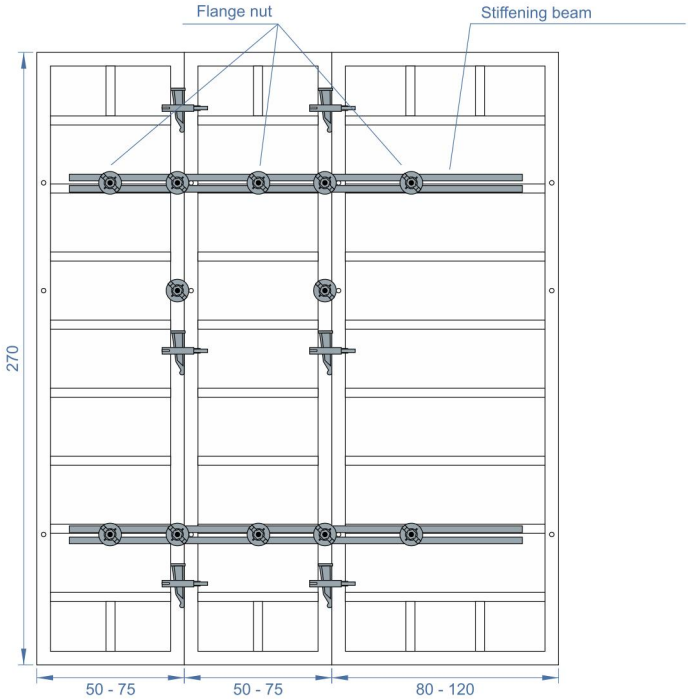






STIFTING BEAM

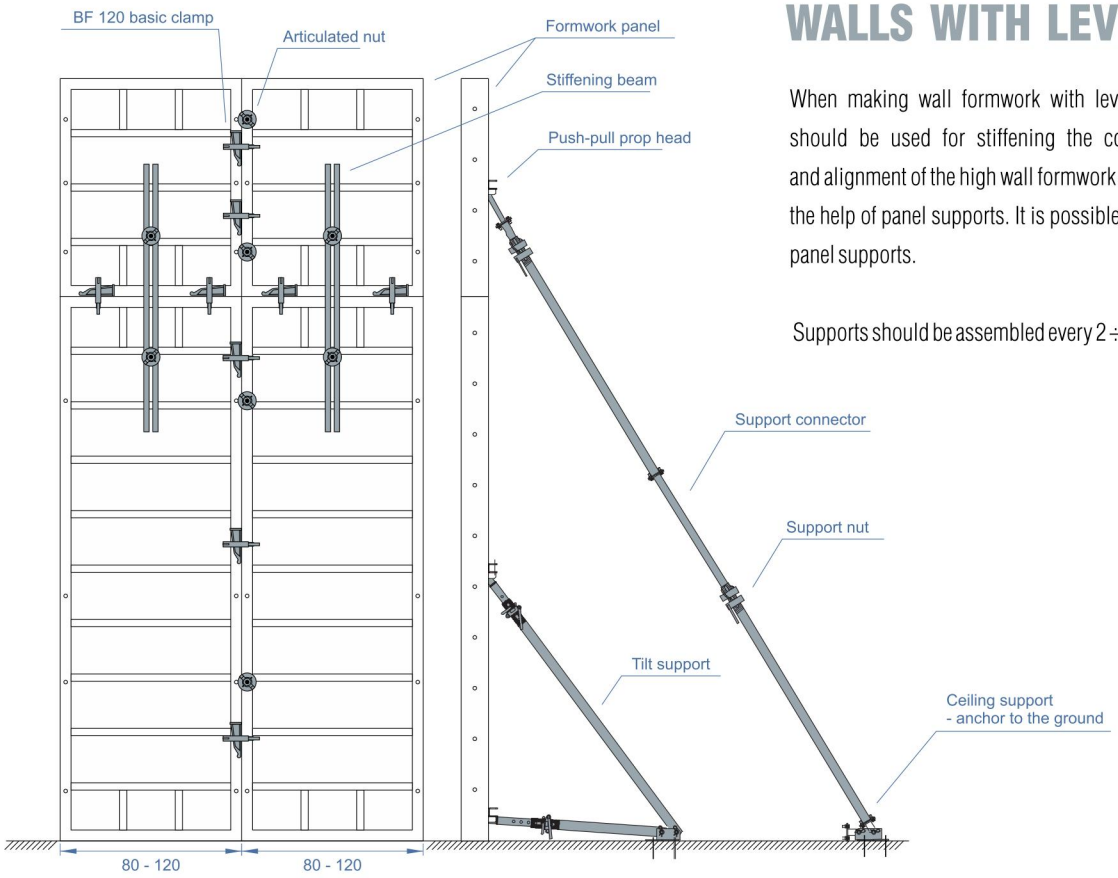
It is used for connecting formwork panels and filler inserts to reinforce the joints and maintain a straight line. It is used with corner tensioners or end hooks and flange nuts. Available in lengths from 1.0 m to 3.0 m.



WALLS WITH LEVEL RAISERS

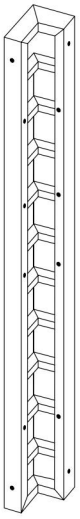
When making wall formwork with level raisers stifting beams should be used for stiffening the construction. Stabilization and alignment of the high wall formwork should be carried out with the help of panel supports. It is possible to use one or two-legged panel supports.

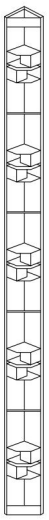
Supports should be assembled every 2 ÷ 2.5 m.



CORNERS

The corners are designed to form the inner side of a simple reinforced concrete wall angle. They consist of a 12 cm thick frame and 18 mm thick plywood sheathing.



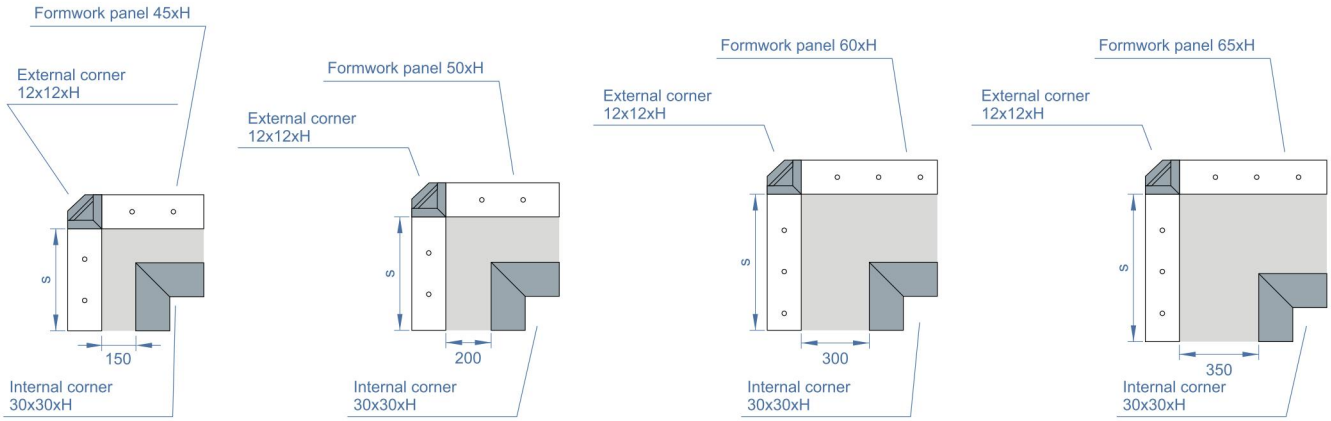


Dimensions and weight of internal corners:

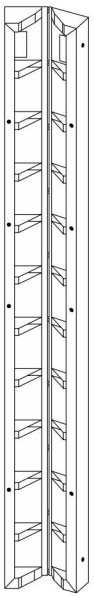
height [cm]	120	150	270	300	330
width [cm]	weight [kg]				
30	40,00	49,00	84,70	93,60	102,50

Dimensions and weight of external corners:

height [cm]	120	150	270	300	330
width [cm]	weight [kg]				
12	19,80	24,78	44,08	48,74	53,72

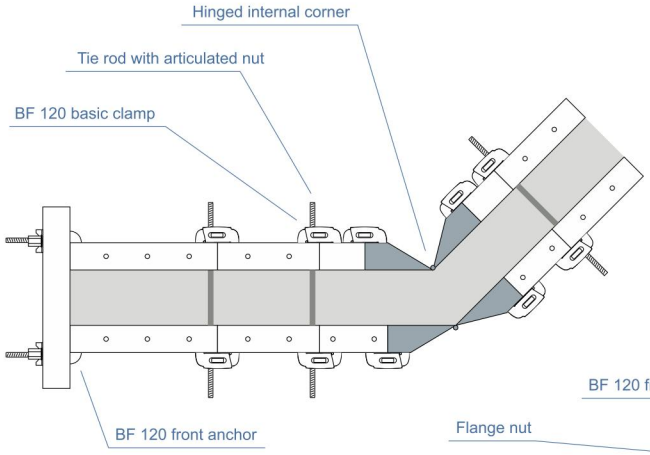


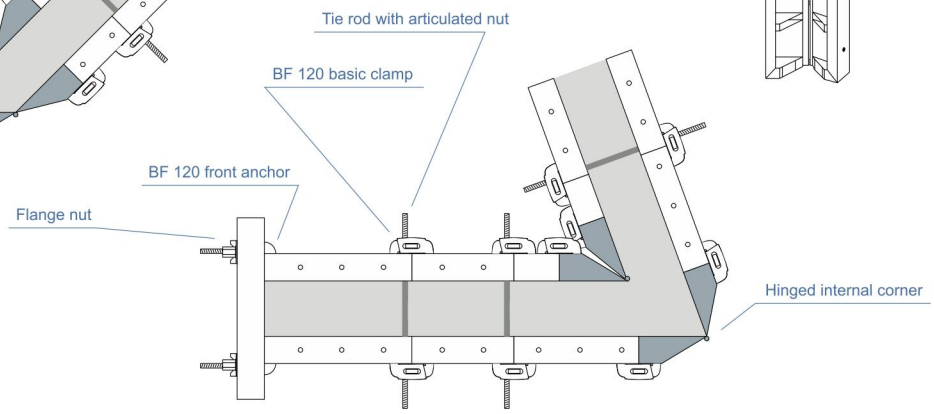
Hinged corners are designed to form intermediate angles of building walls (both internal and external formwork). They consist of two frames connected by a hinge and plywood sheathing with a thickness of 18 mm. The corners can extend from a minimum of 65° to a maximum of 270°.



Dimensions and weight of articulated corners:

height [cm]	120	150	270	300	330
width [cm]	weight [kg]				
30	42,00	55,00	89,20	98,40	108,30

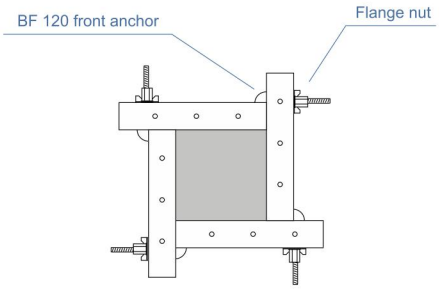


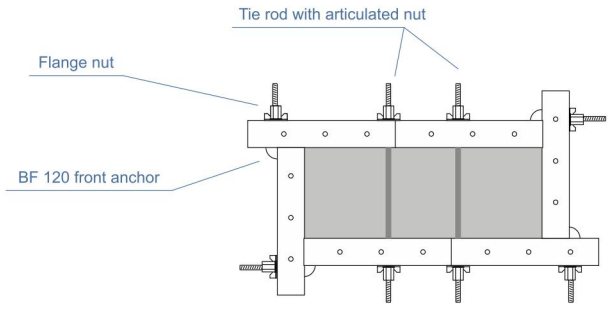


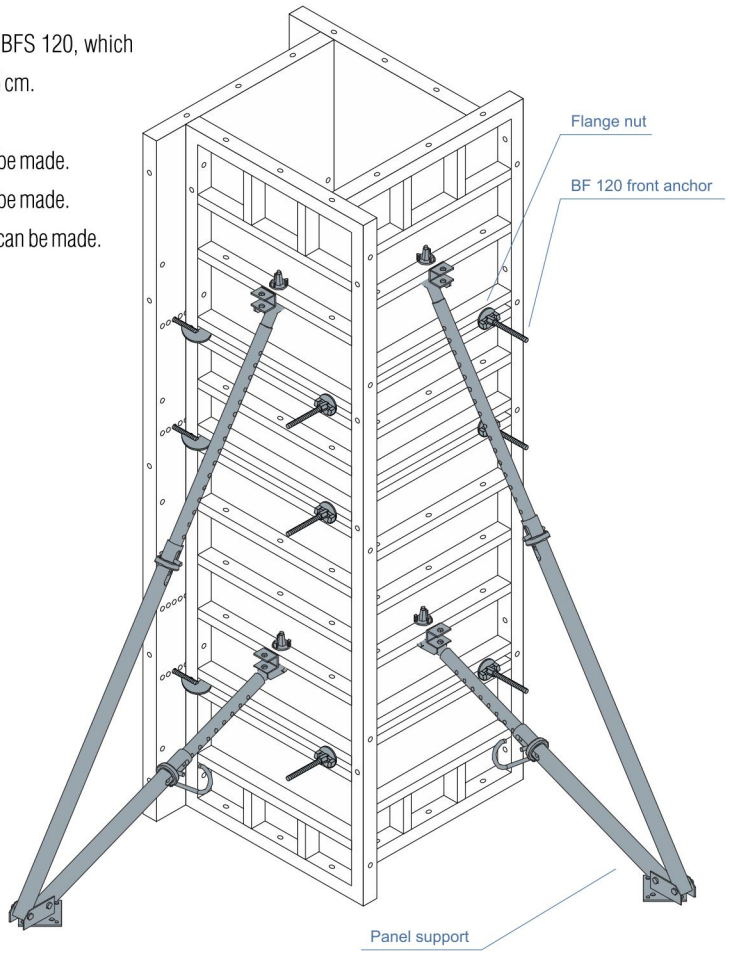
THE CONSTRUCTION OF COLUMNS

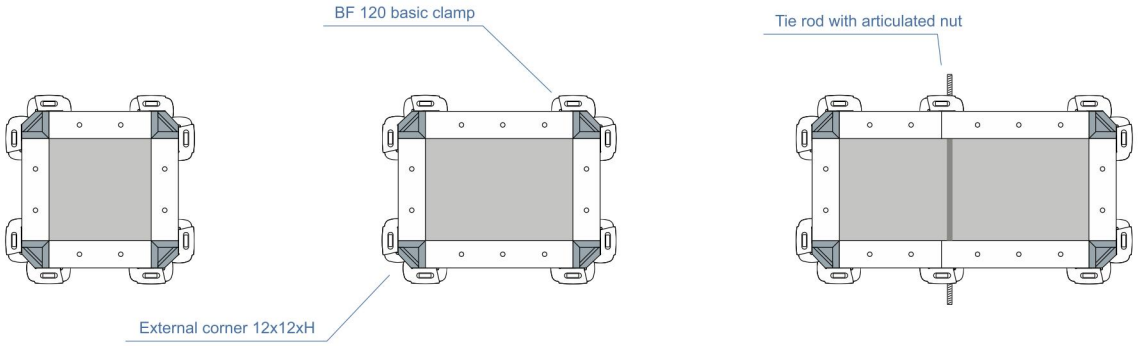
The best solution for column formwork is the use of the multi-hole formwork BFS 120, which allows for the construction of columns in a modular system, with increments of 5 cm.

With panels of width 75 cm, columns ranging from 15 x 15 cm to 60 x 60 cm can be made.
With panels of width 90 cm, columns ranging from 15 x 15 cm to 75 x 75 cm can be made.
With panels of width 120 cm, columns ranging from 15 x 15 cm to 105 x 105 cm can be made.





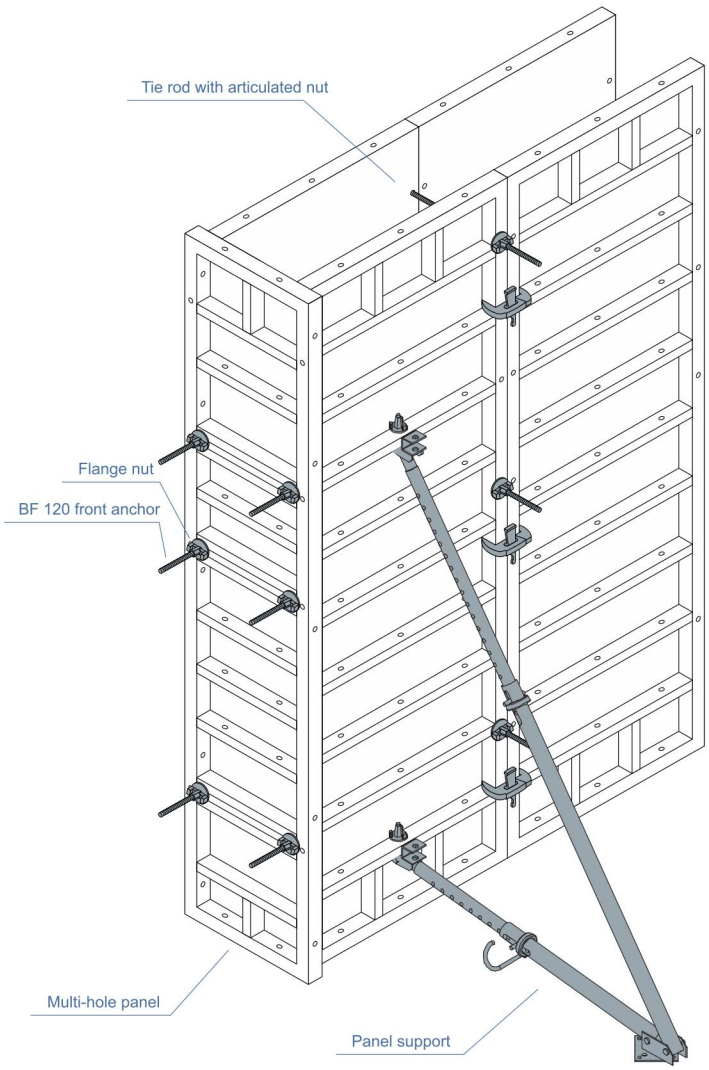


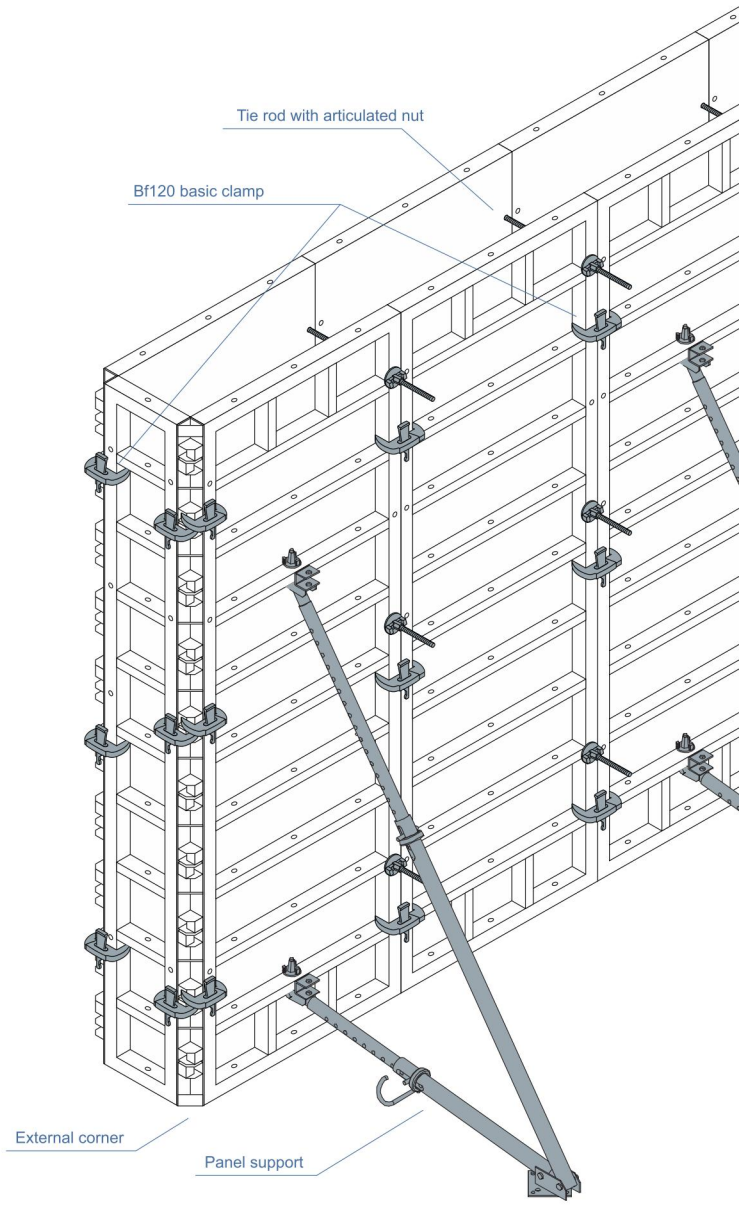


The columns can also be formed from basic formwork using external corners. The above drawings show the examples of this solution.

THE ENDS OF WALLS

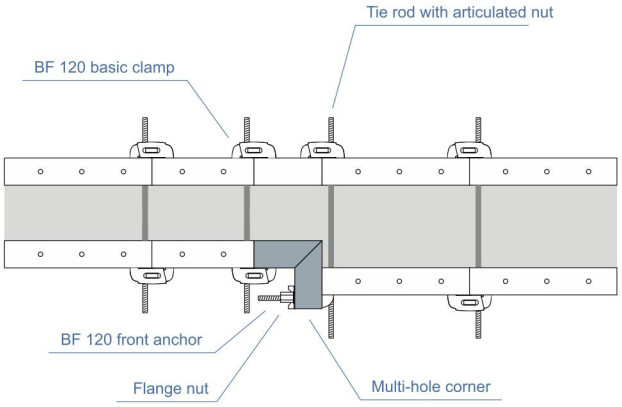
To correctly form the wall termination, basic panels and external corners should be used. Alternatively, multi-holed panels, front hooks BF 120 along with flange or swivel nuts can be applied.

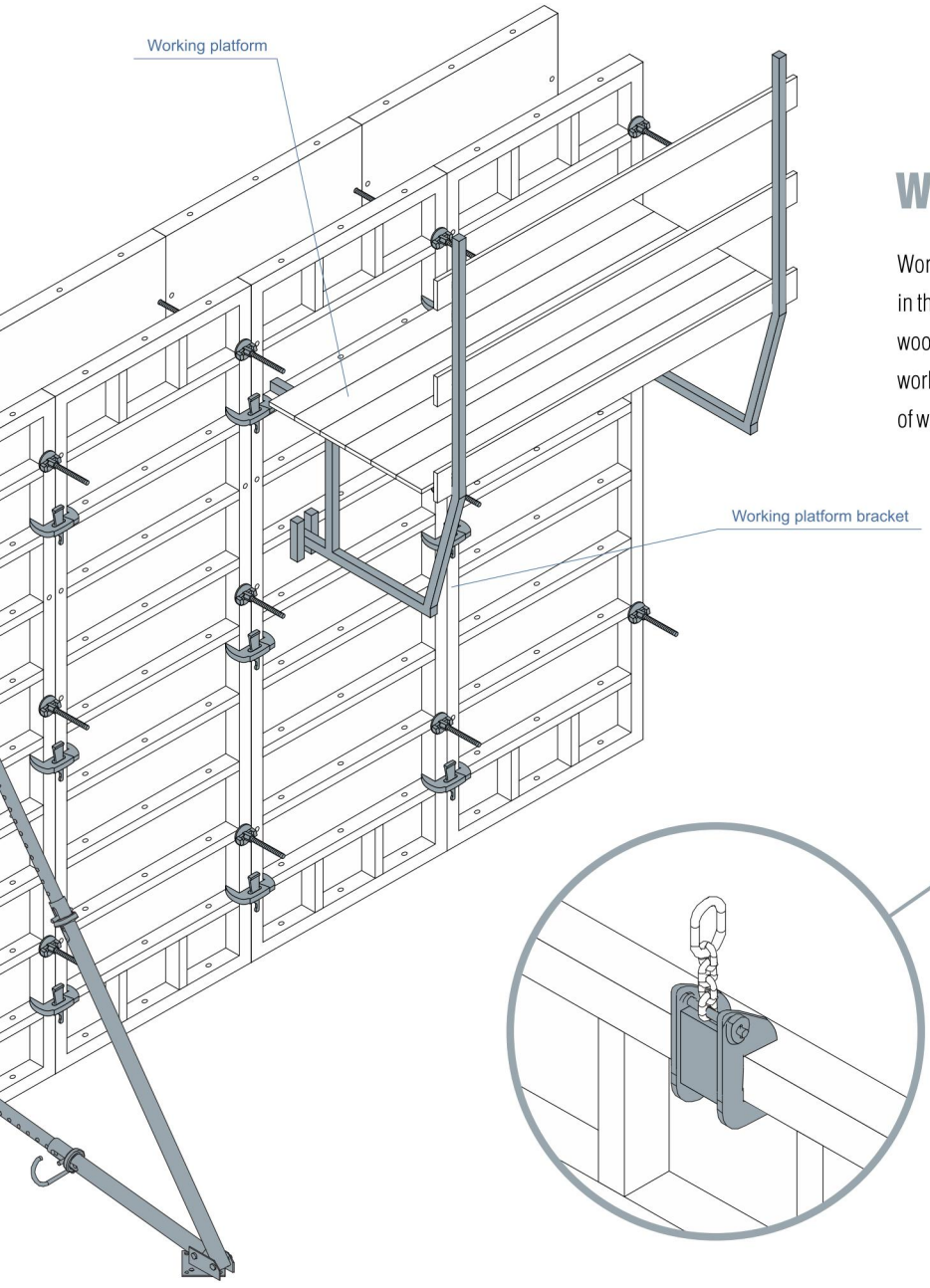




FORMING WITH VARIABLE THICKNESS OF THE WALL

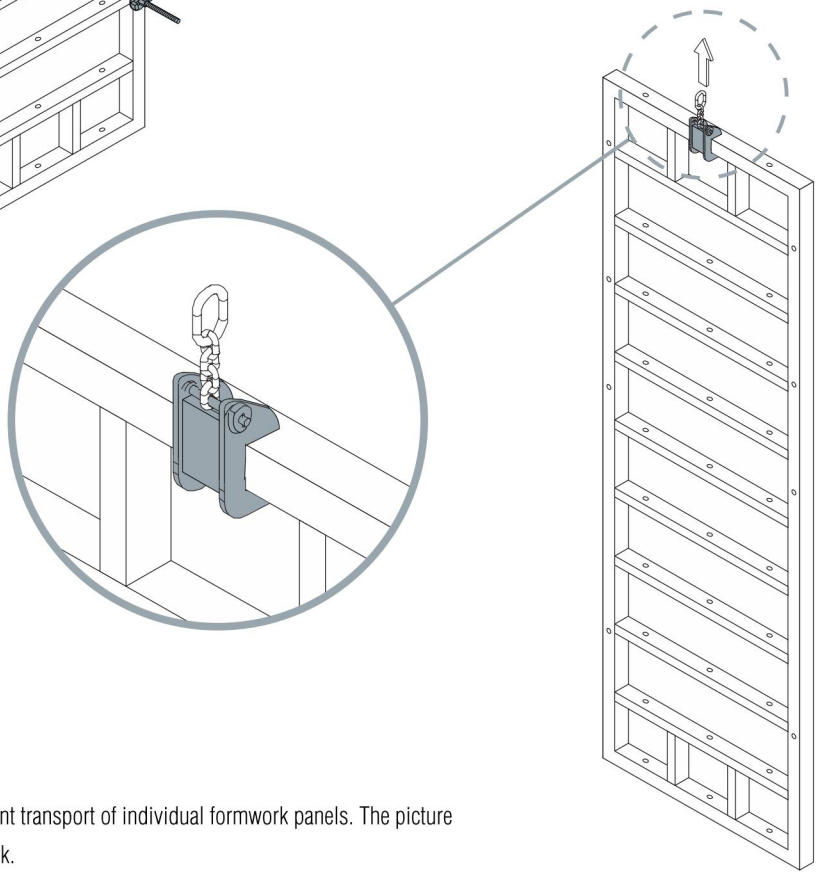
Forming formwork with changing the wall thickness can be done with the help of a internal corner, front anchors with disc or combi plates.





WORKING PLATFORM

Working platforms should be made with brackets attached in the holes of formwork panels that constitute the basis for laying wooden platforms, handrails and curbs. Properly assembled working platforms allow free and completely safe execution of work.



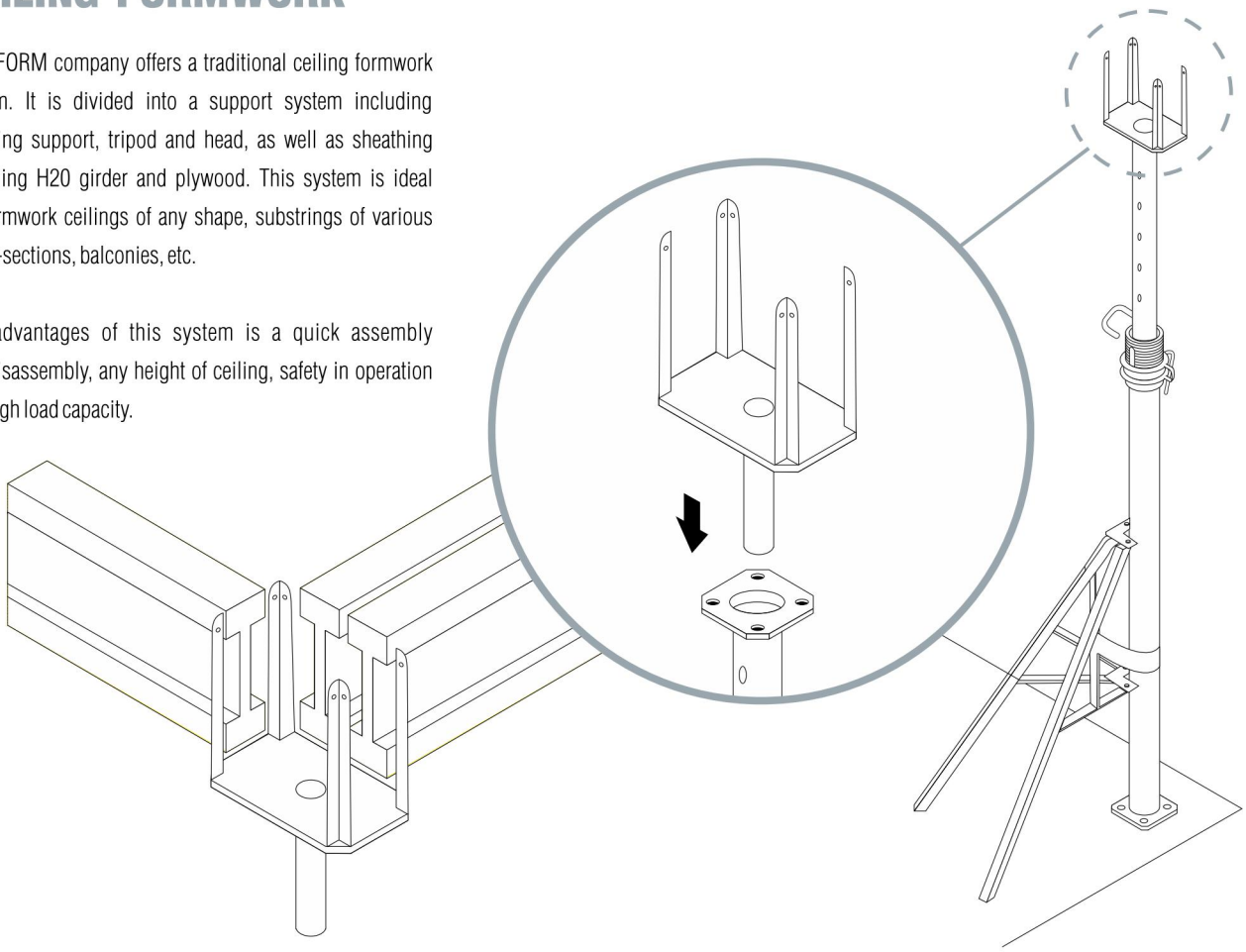
WALL TRANSPORT

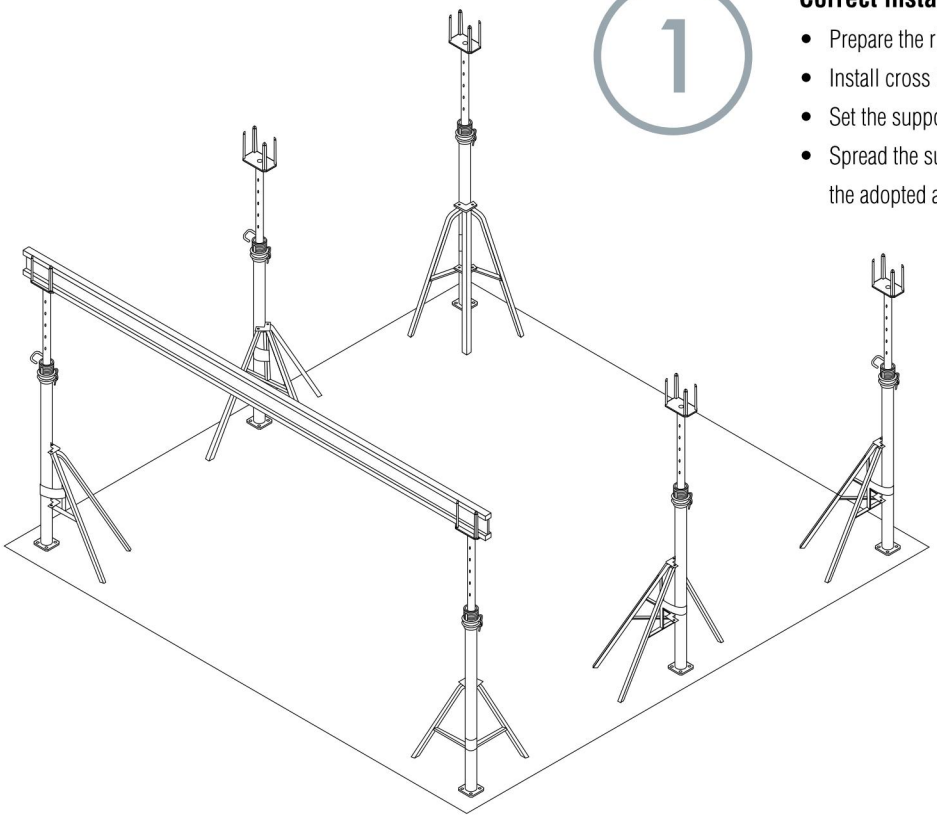
The transportation hook allows safe and efficient transport of individual formwork panels. The picture shows how to assemble the transportation hook.

CEILING FORMWORK

BAU-FORM company offers a traditional ceiling formwork system. It is divided into a support system including a ceiling support, tripod and head, as well as sheathing including H20 girder and plywood. This system is ideal for formwork ceilings of any shape, substrings of various cross-sections, balconies, etc.

The advantages of this system is a quick assembly and disassembly, any height of ceiling, safety in operation and high load capacity.

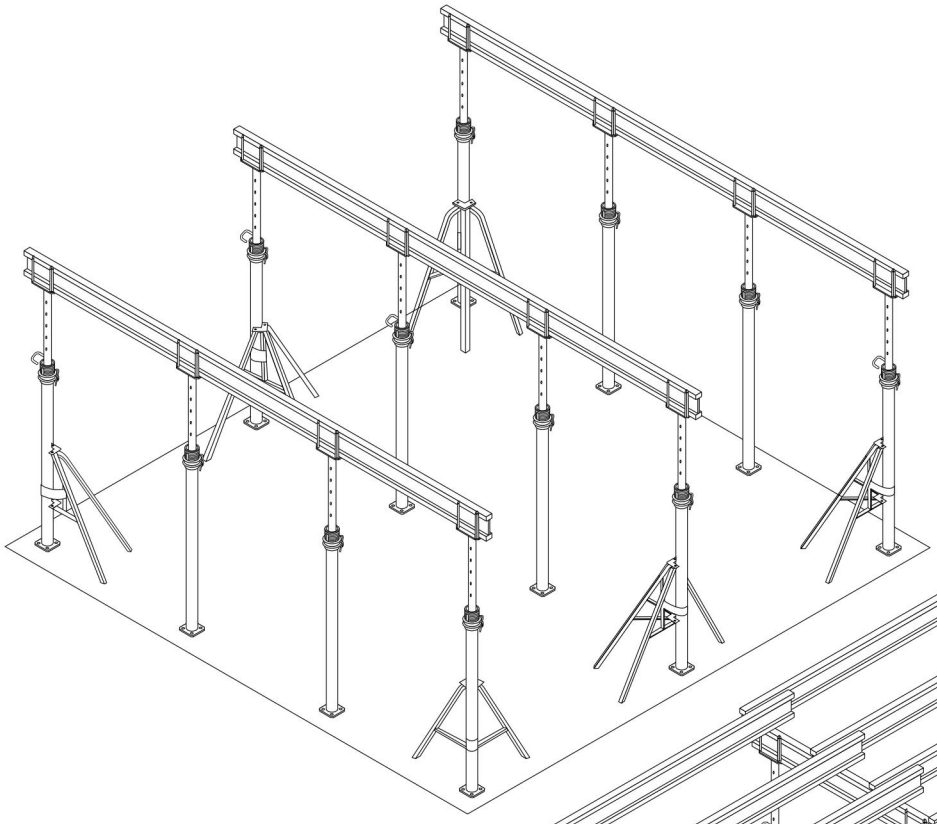




1

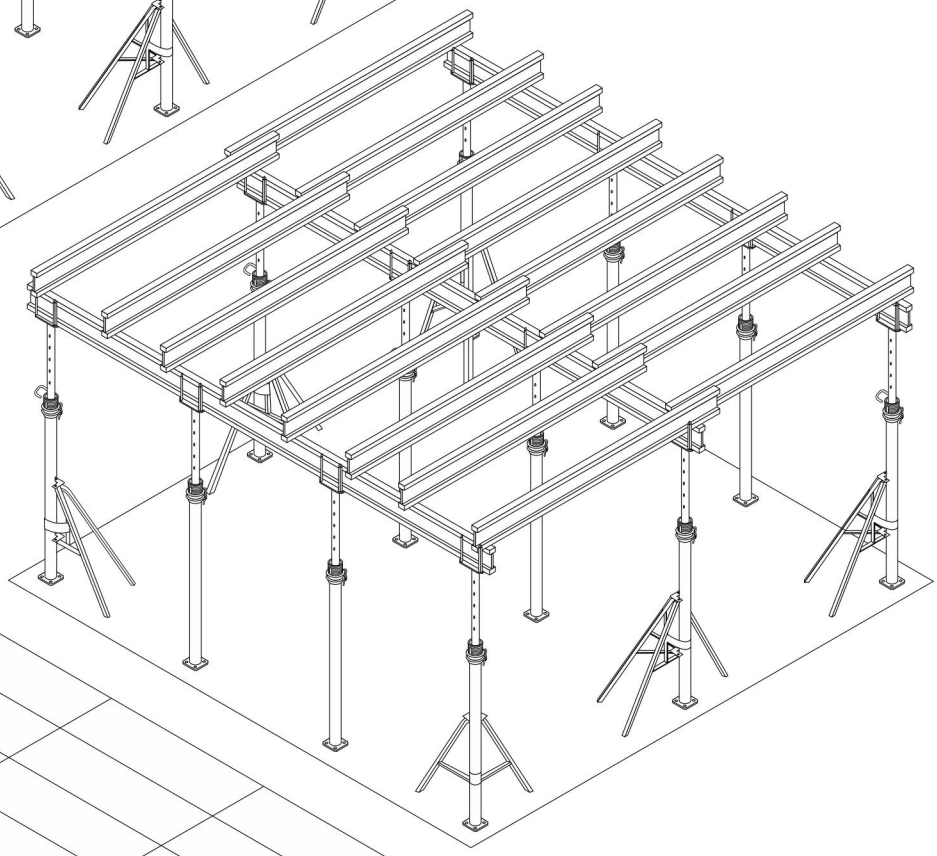
Correct installation of the ceiling formwork:

- Prepare the right amount of equipment at the assembly site.
- Install cross heads in supports.
- Set the supports at the correct height.
- Spread the supports using tripods in accordance with the adopted assumptions in the technical design.



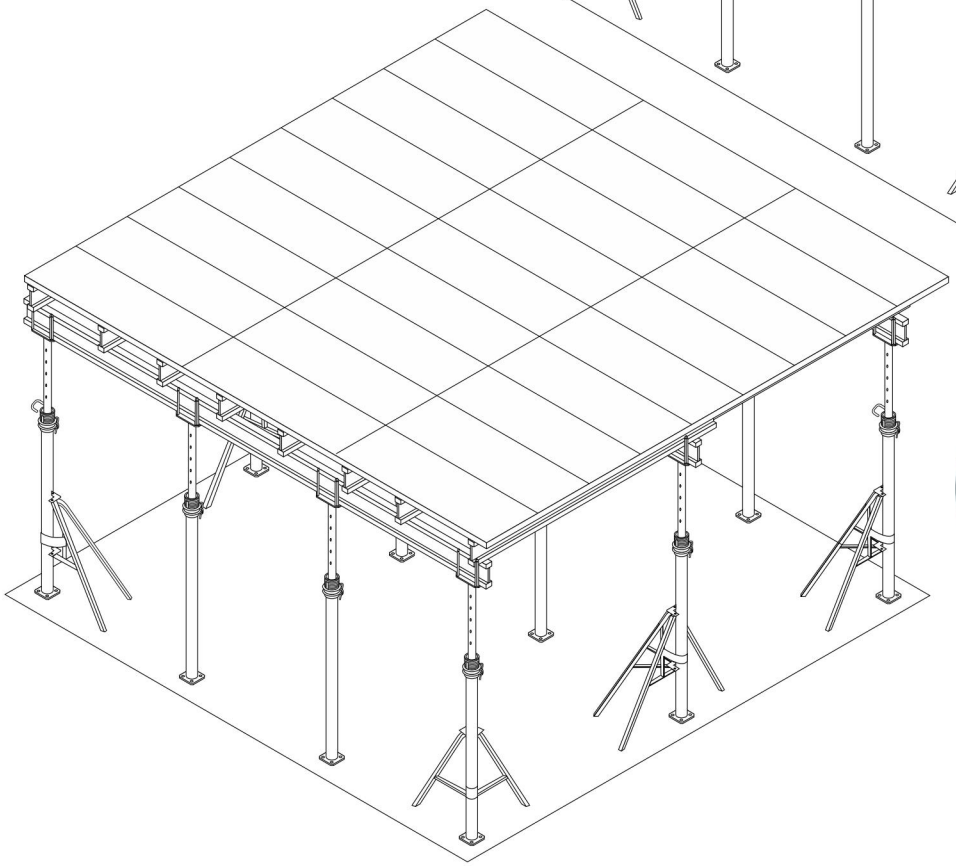
2

- Spread the longitudinal girders on the heads of the supports. The girders should protrude approx. 10 cm from the vertical axis of the support.
- Level the formwork using the support nut.



3

- Distribute the cross girders.



4

- Arrange the formwork plywood.

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