



CLIMBING FORMWORK JB-240

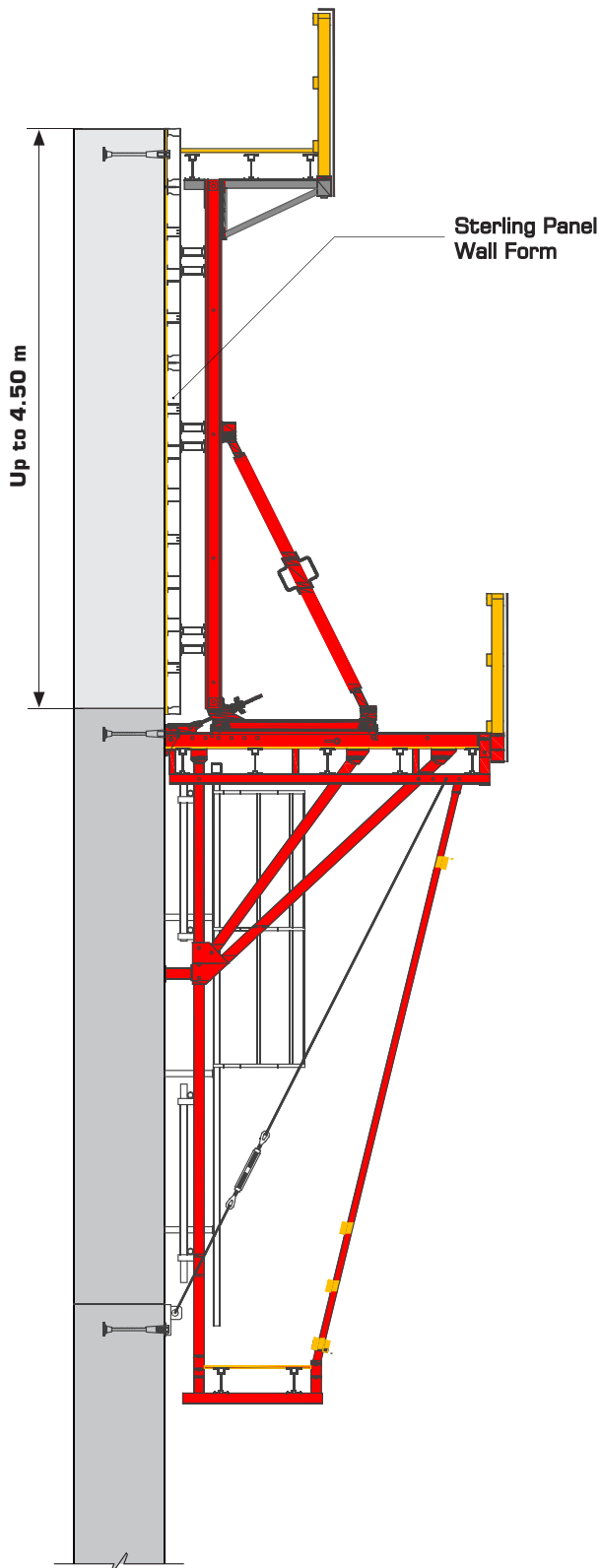
■ **performance and safety**

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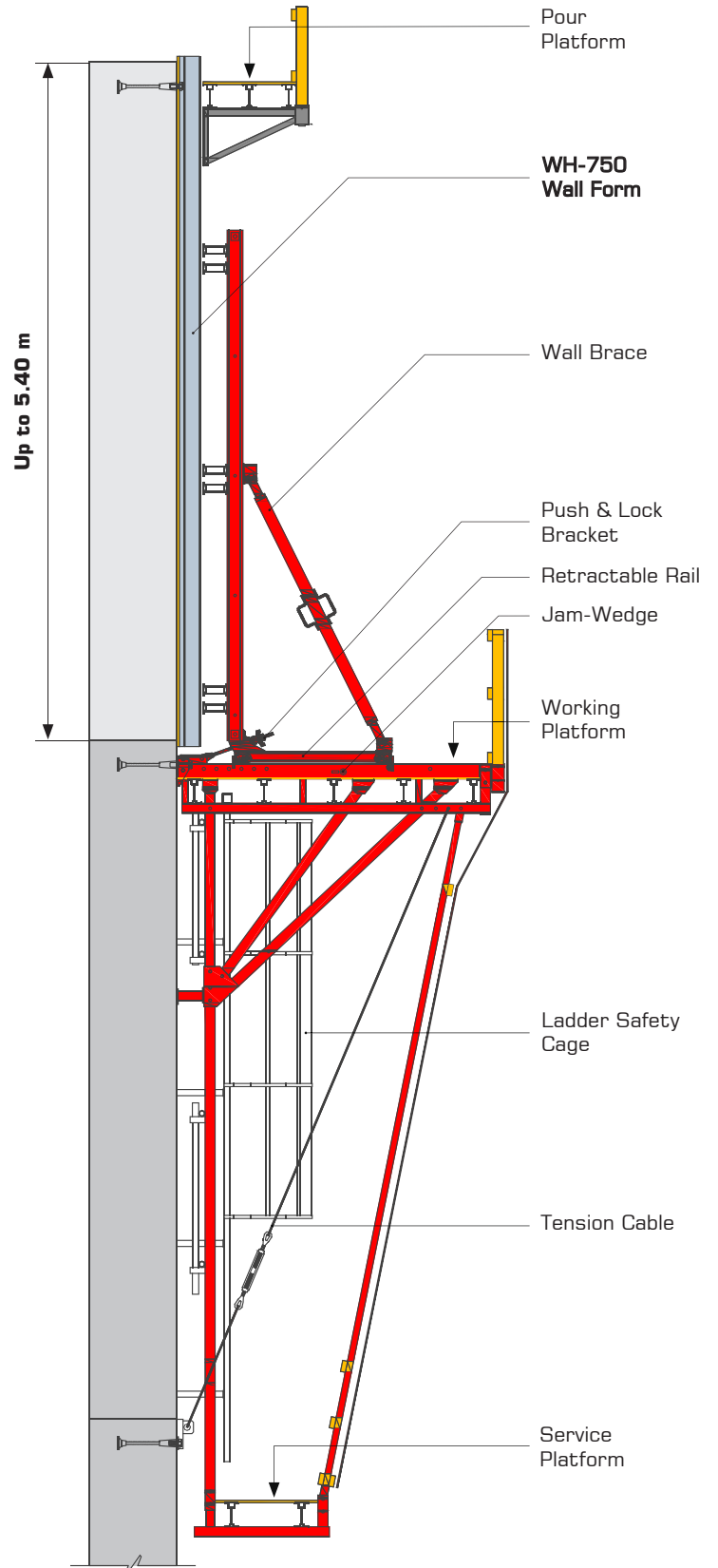
CLIMBING FORMWORK JB-240

WALL FORM PANELS AND CLIMBING FORMWORK JB-240 COMPONENTS

Jumpform Bracket JB-240
with **Sterling Panel Wall Forms**



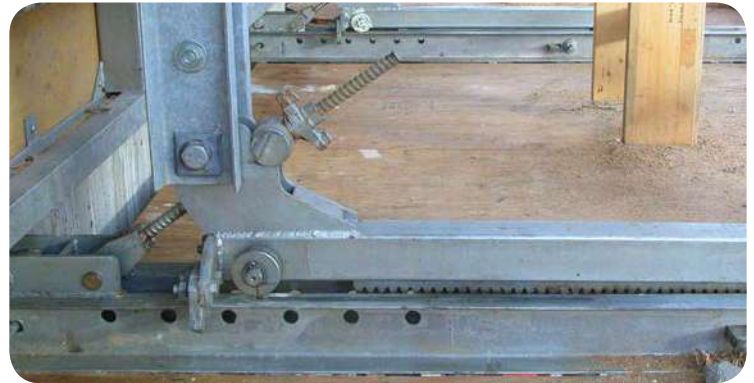
Jumpform Bracket JB-240
with **WH-750 Wall Forms**



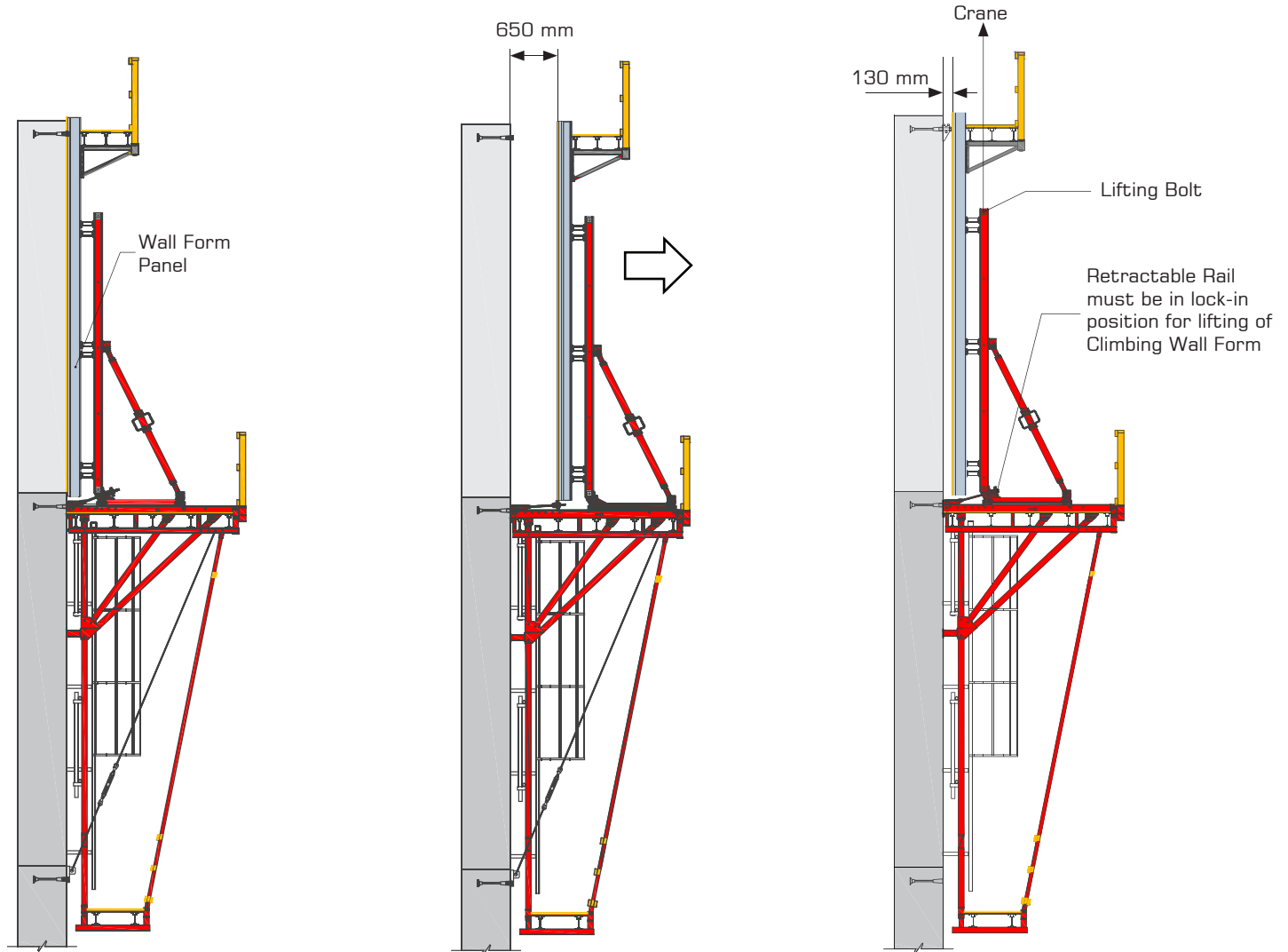
RETRACTABLE WALL FORM PANEL

The Climbing Formwork JB-240 has a built-in retractable rail that moves the wall form panel 650 mm back from the concrete surface for cleaning the panels and preparing for the next concrete pour.

The retractable rail consists of a rack and pinion device for sliding the wall form panel backwards, while the rolling mechanism keeps the rail in line and insures easy operation.



Retractable Rail



Climbing Formwork JB-240 with wall form panel in concrete placing position.

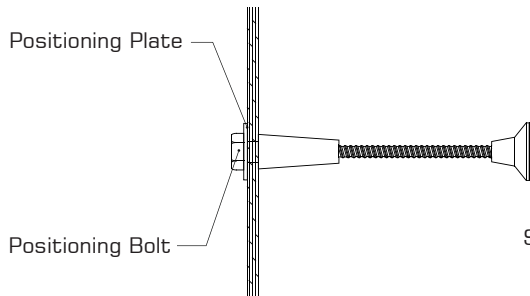
Climbing Formwork JB-240 with retracted wall form panel to allow cleaning and preparation of plywood surface for next concrete pour.

Climbing Formwork JB-240 in position for lifting by crane.

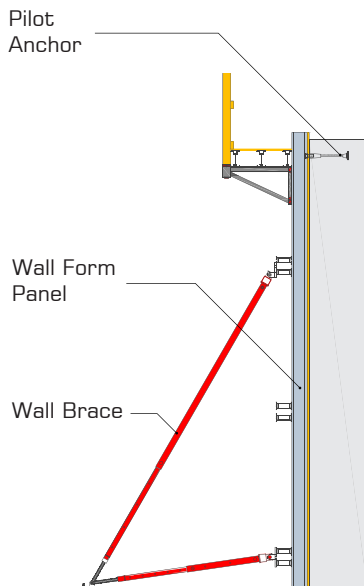
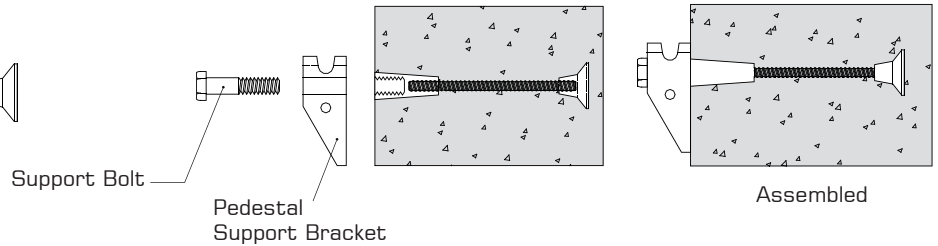
CLIMBING FORMWORK JB-240

CLIMBING SEQUENCE WITH JB-240

Pilot Anchor

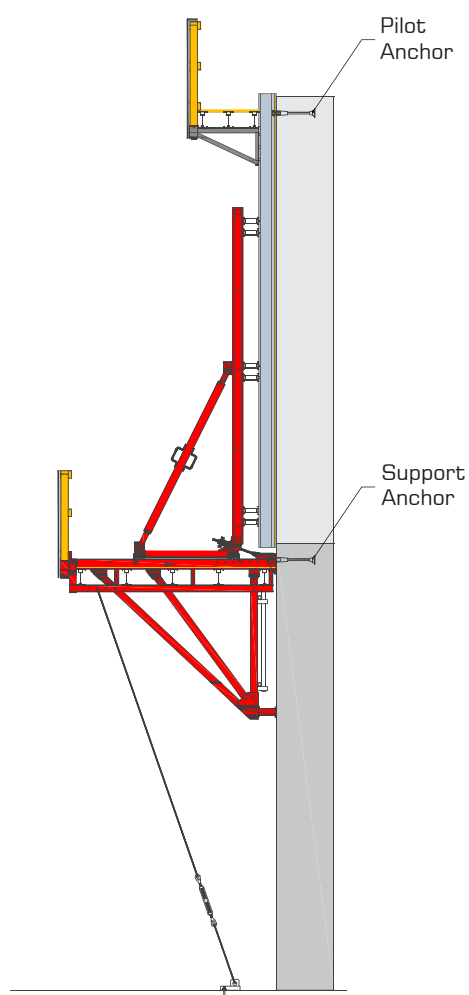


Support Anchor



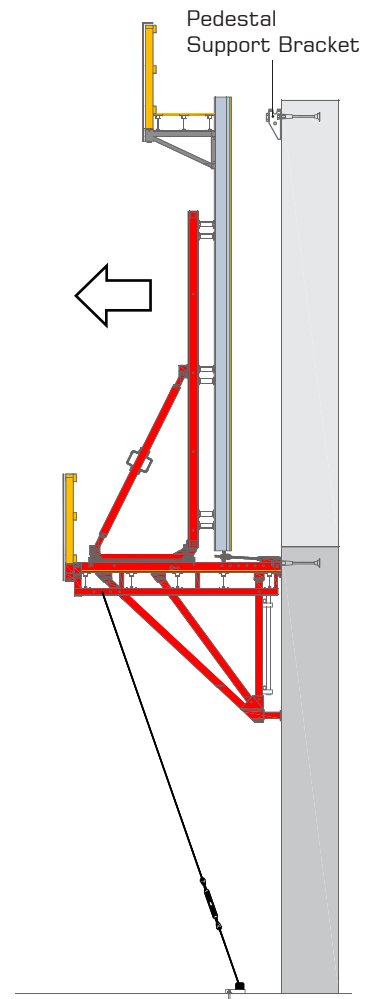
1. Position wall form panel with pilot anchor attached and support with wall braces.

Proceed with first concrete pour.



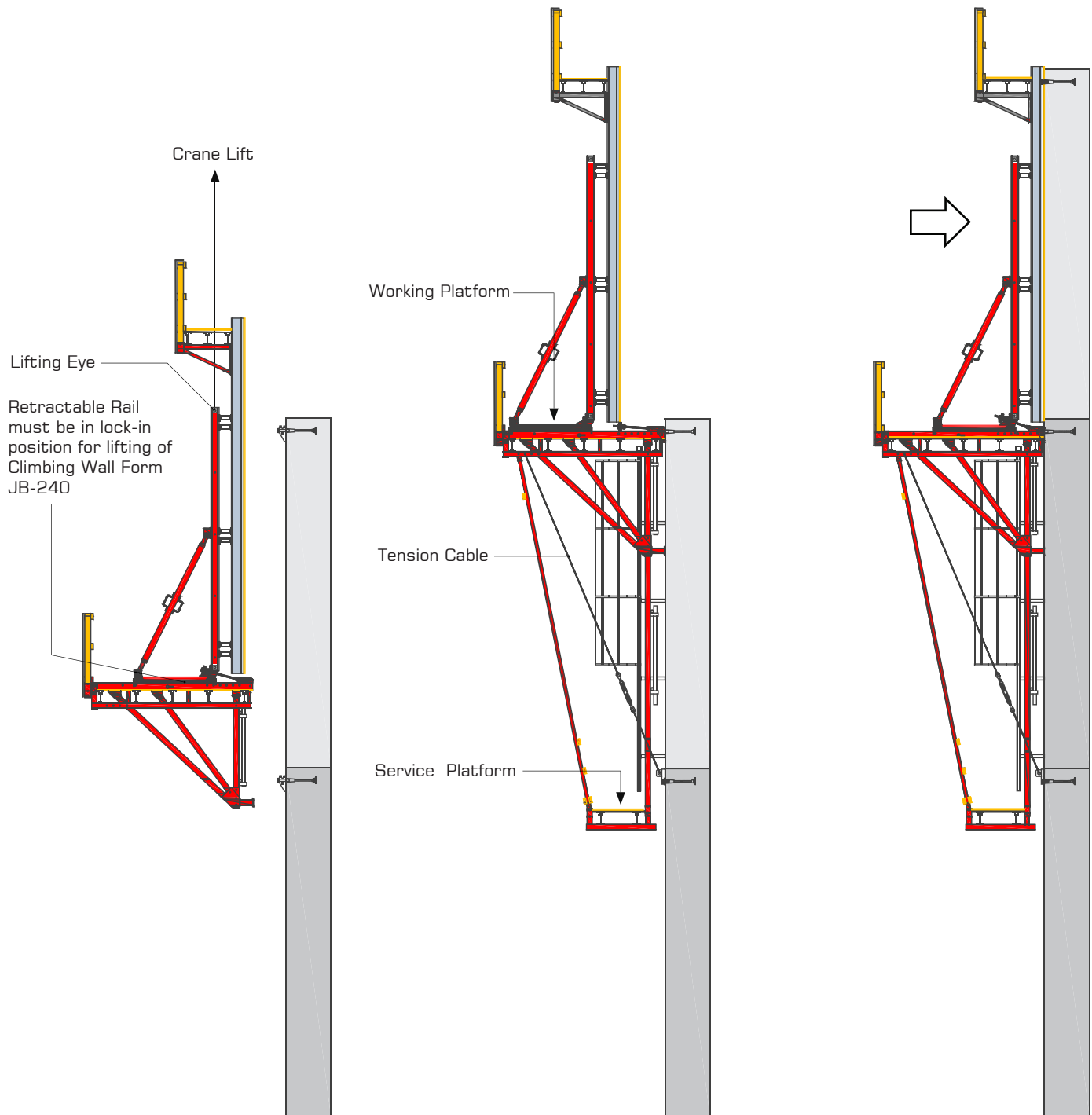
2. After concrete reaches required strength, remove wall form. Attach pedestal support bracket and place Jumpform Brackets JB-240 on it. Place wall form panel on to JB-240 and install pilot anchor.

Proceed with second concrete pour.



3. After concrete reaches required strength, retract wall form panel and attach pedestal support bracket.

CLIMBING SEQUENCE WITH JB-240



4. Lift Climbing Formwork JB-240 with crane, to next section.

CAUTION

Safe working load of lifting eye is 1900 kg (4200 lbs).

5. Place Jumpform Bracket JB-240 on pedestal support bracket and lock in position with safety bolt.

Install tension cable to secure climbing wall form before workers are allowed to use platform areas.

Place re-bar and prepare plywood surface for next concrete pour.

6. Move wall form panel forward with pilot anchor in place and proceed with concrete pour.

Continue following **Step 3**.

CLIMBING FORMWORK JB-240

APPLICATION

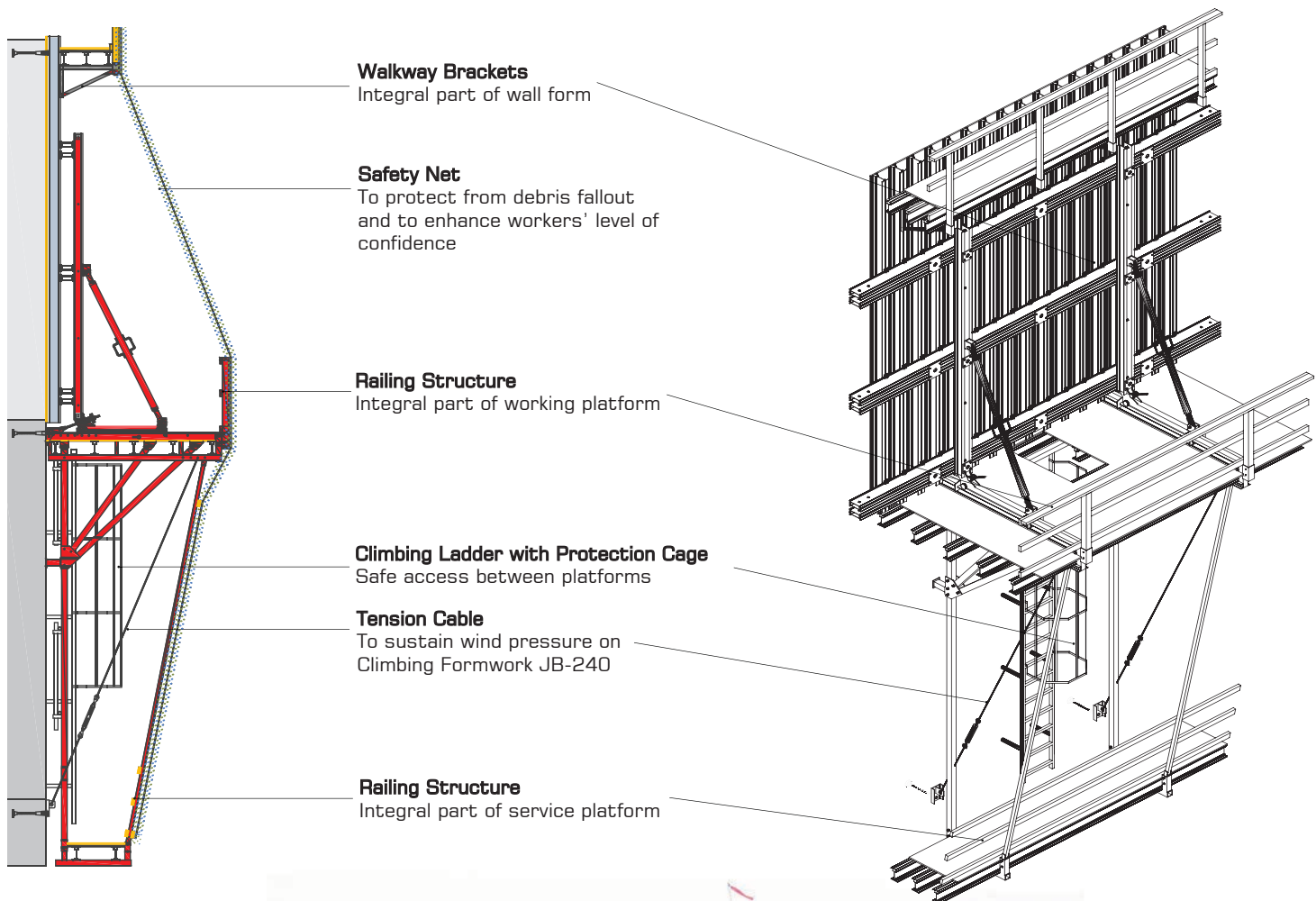


APPLICATION

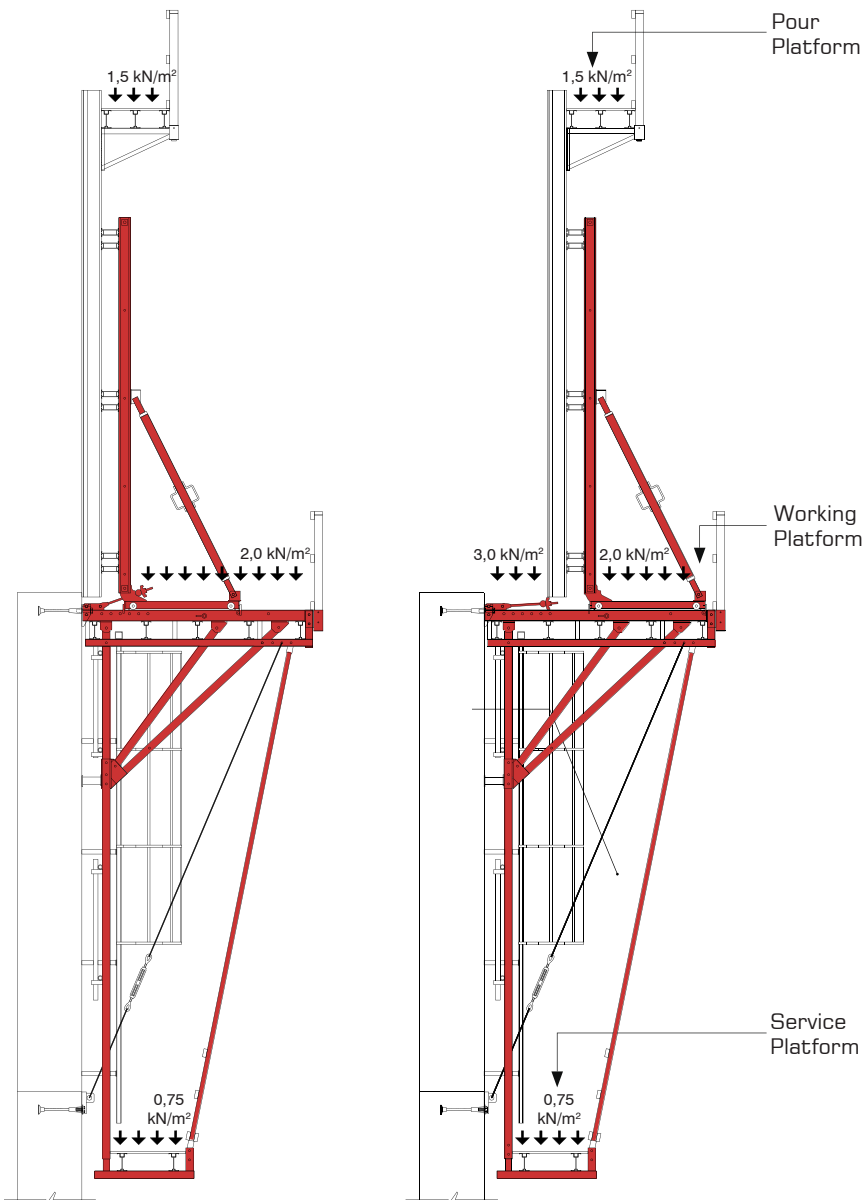
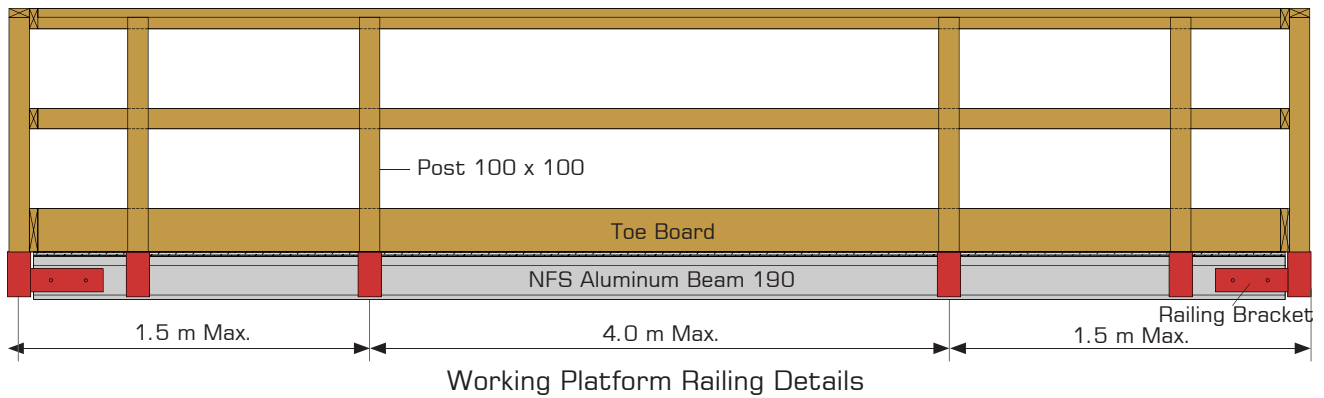


CLIMBING FORMWORK JB-240

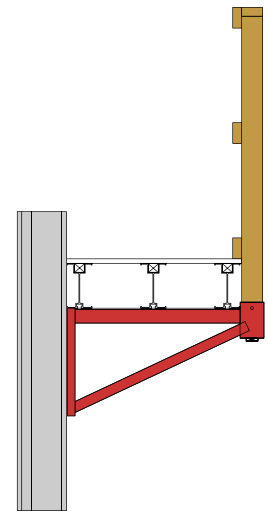
SAFETY



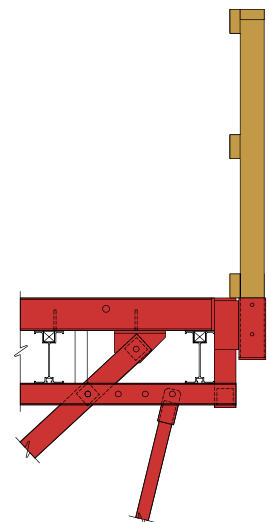
SAFETY



Load Bearing Capacity of Platforms

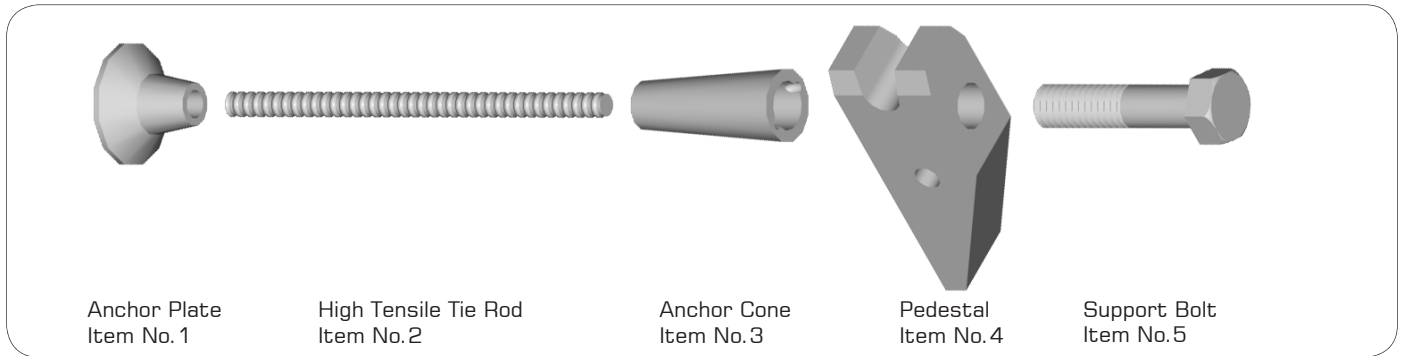


Pour Platform Railing Detail

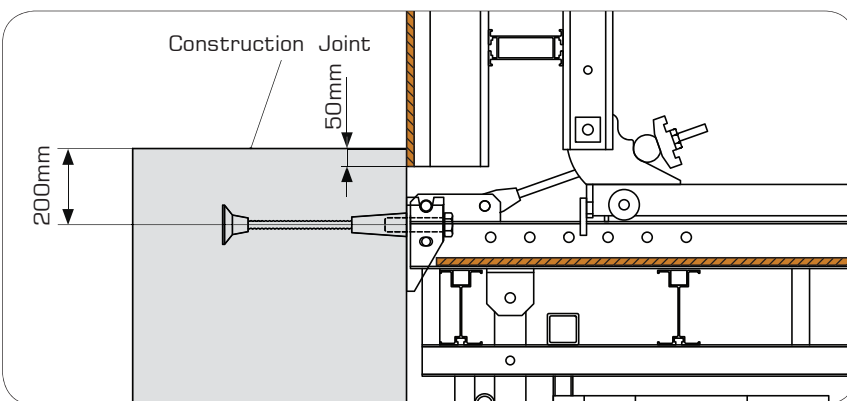
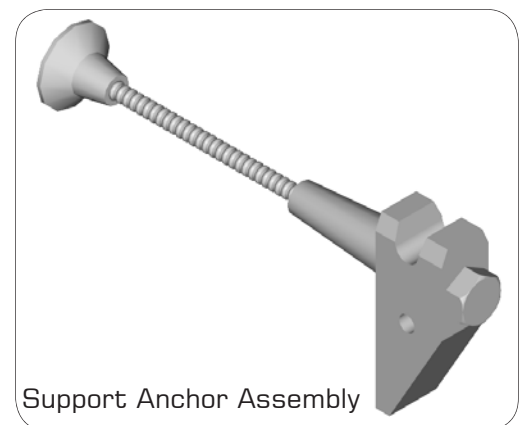
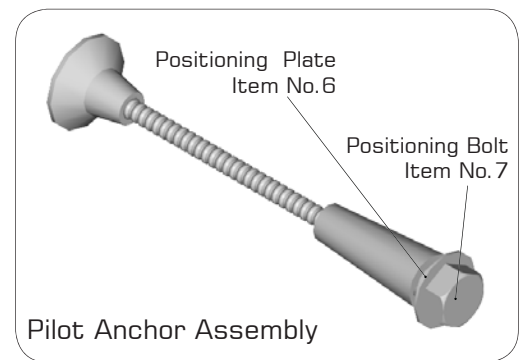


Working Platform Railing Detail

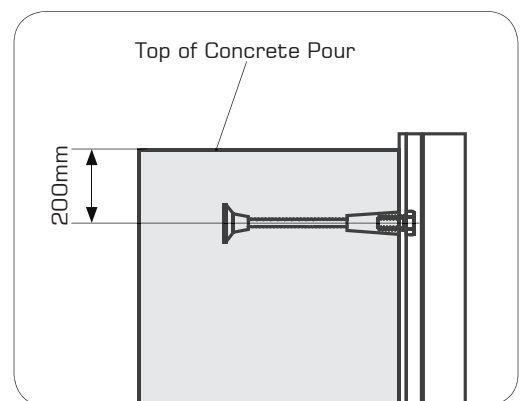
SUPPORT ANCHOR DATA



Item Number	Product Name	Product Technical Designation	Working Load
1	Anchor Plate	SW 75 / D-15	28.0 KN
		SW95 / D-20	48.0 KN
		SW105 / D-26.5	84.0 KN
2	High Tensile Tie Rod	D-15	28.0 KN
		D-20	48.0 KN
		D-26.5	84.0 KN
3	Anchor Cone	AC M24 / D-15	
		AC M30 / D-20	
		AC M36 / D-26.5	
4	Pedestal	PD / M24	
		PD / M30	
		PD / M36	
5	Support Bolt	SB M24 x 150mm	32.0 KN
		SB M30 x 150mm	48.3 KN
		SB M36 x 150mm	84.0 KN
6	Positioning Plate	PP M24	
		PP M30	
		PP M36	
7	Positioning Bolt	PB M24 x 50mm	
		PB M30 x 55mm	
		PB M36 x 60mm	

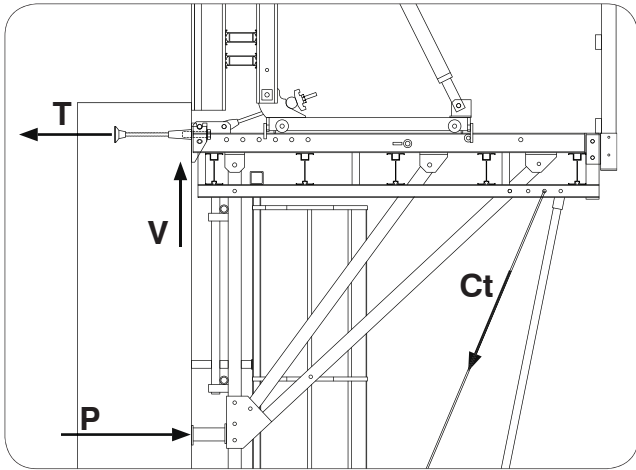


Mounting Detail and Position of Support Anchor



Position of Pilot Anchor

JUMPFORM BRACKET JB-240 DATA



Reaction forces for actual $B_{act} < B_{max}$:

$$T_{act} = B_{act}/B_{max} * (T - 1.05) + 1.05$$

$$P_{act} = B_{act}/B_{max} * (P - 1.05) + 1.05$$

$$V_{act} = B_{act}/B_{max} * (V - 2.44) + 2.44$$

$$Ct_{act} = B_{act}/B_{max} * (Ct + 0.93) - 0.93$$

Reaction Forces for Maximum Width for each JB-240

Max. Wind Pressure KN/m ²	Panel Height, hs									
	3.0m					3.5m				
	Bmax	T	P	V	Ct	Bmax	T	P	V	Ct
1.52	3.7	42.5	26.5	25.4	11.1	3.3	48.1	30.0	28.3	14.3
1.44	3.8	41.9	25.5	25.3	10.7	3.4	47.6	29.7	28.2	13.9
1.26	4.0	40.1	25.0	24.9	9.4	3.7	46.9	29.8	28.5	12.9
1.08	4.3	38.8	24.9	24.9	8.2	4.0	45.4	29.4	28.4	11.5

Max. Wind Pressure KN/m ²	Panel Height, hs									
	4.5m					5.0m				
	Bmax	T	P	V	Ct	Bmax	T	P	V	Ct
1.52	2.8	52.3	33.2	35.0	21.5	2.5	53.8	34.8	37.0	24.2
1.44	2.9	51.7	32.9	35.0	21.0	2.6	53.3	34.6	37.1	23.7
1.26	3.3	49.5	32.0	34.5	19.3	2.7	51.3	33.7	36.7	22.0
1.08	3.5	48.0	31.5	34.5	17.8	3.2	50.1	33.3	36.9	20.5

Bmax - Panel Max. Width in Meters (m)

T - Max. Anchor Tension Force in KN

P - Max. Compression Force on Concrete in KN

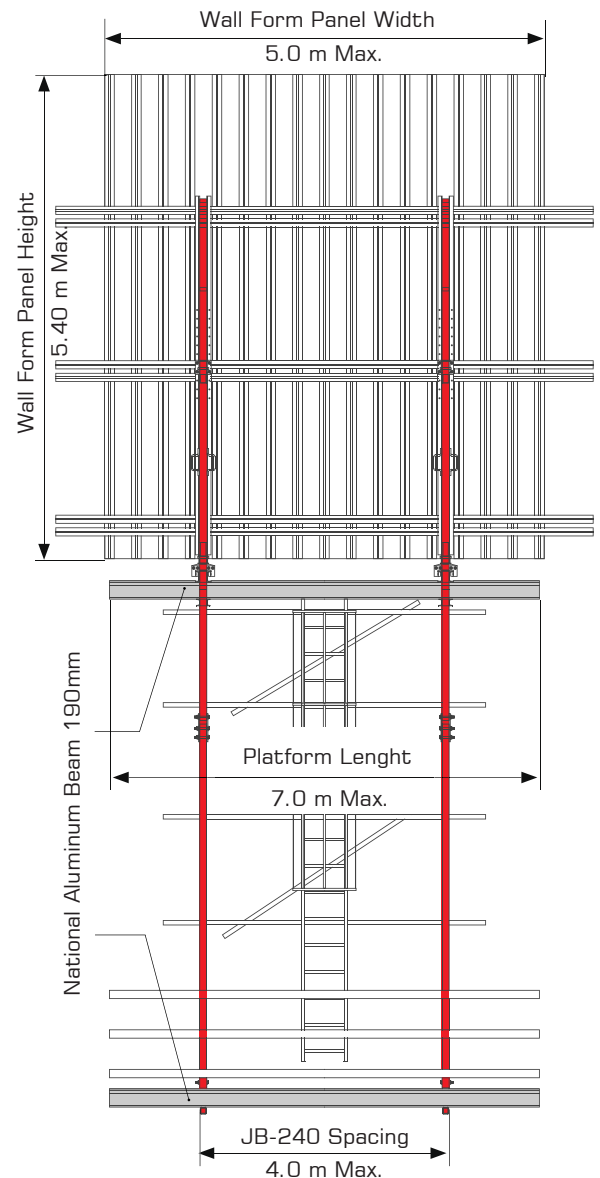
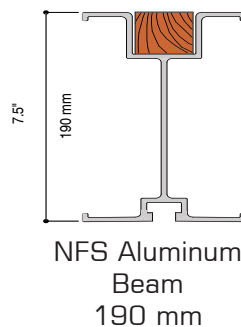
V - Max. Anchor Shear Force on Concrete in KN

Ct - Max. Tension on Cable in KN

Platform Length Data

(based on 3.0 KN/m² live load)

Jumpform Bracket JB-240 Spacing	National Aluminum Beam Spacing	Platform Length (Max)
1.5 m	60 cm	4.9 m
2.0 m	60 cm	5.3 m
2.5 m	55 cm	5.8 m
3.0 m	50 cm	6.2 m
3.5 m	45 cm	6.6 m





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