

Assembly and stripping (step-by-step)

In the following we take a straight wall as an example to illustrate the sequence of operations.

Transport:

When unloading the truck and moving piles of panels on the construction site take care to use appropriate crane slings or the like.

Assembly:

Erect the first panel and immediately attach a push-pull prop or brace (Fig. 40.1). Anchor the brace to the ground in order to prevent the panel from tilting over. Erect further panels and connect them to each other with assembly locks (see page 8).

Spray the forming face with release agent.

Attach the scaffolding brackets (Fig. 40.2).

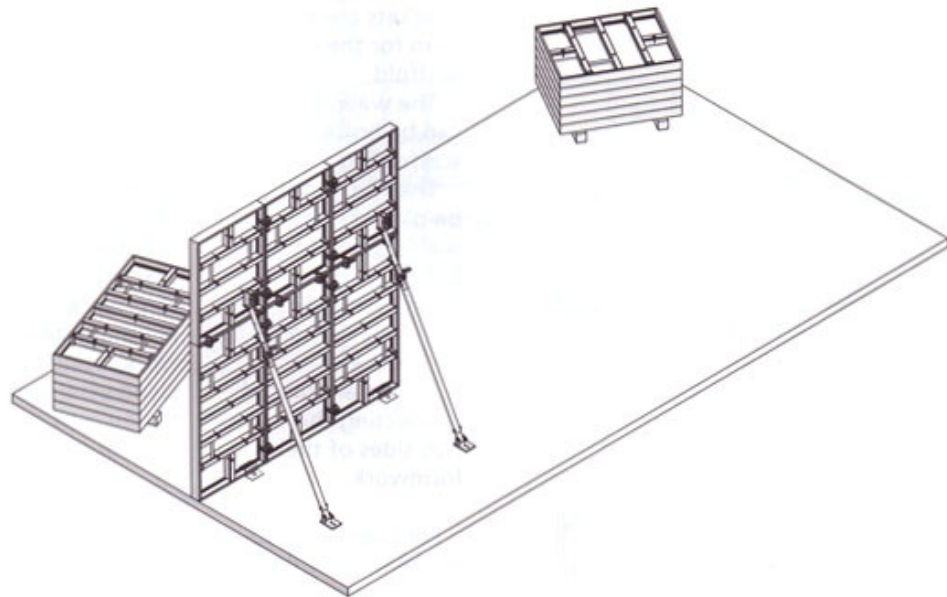


Fig. 40.1

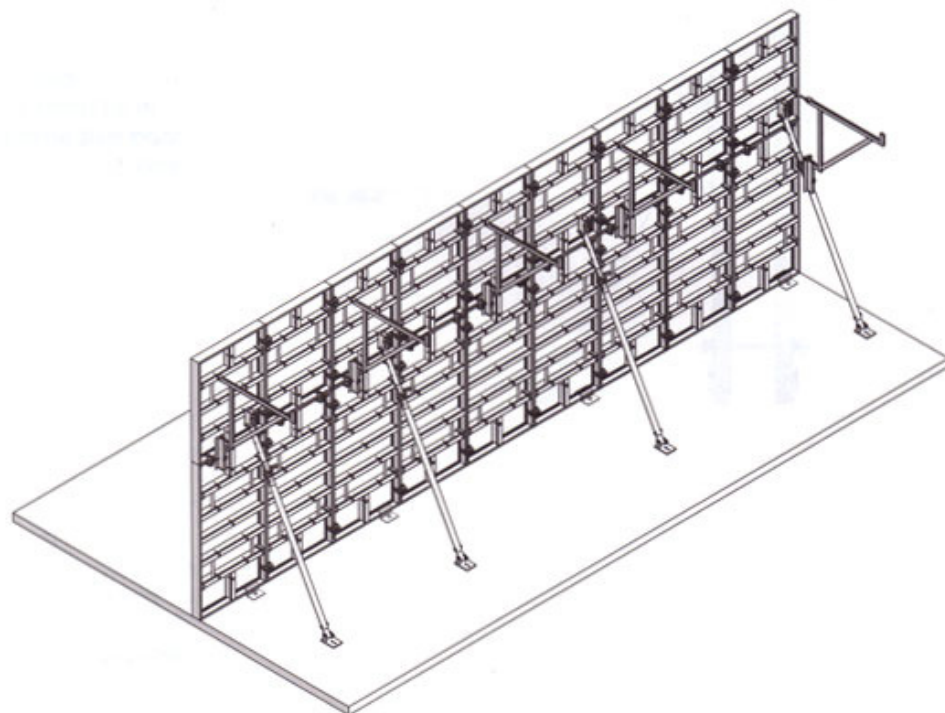


Fig. 40.2

Assembly and stripping (step-by-step)

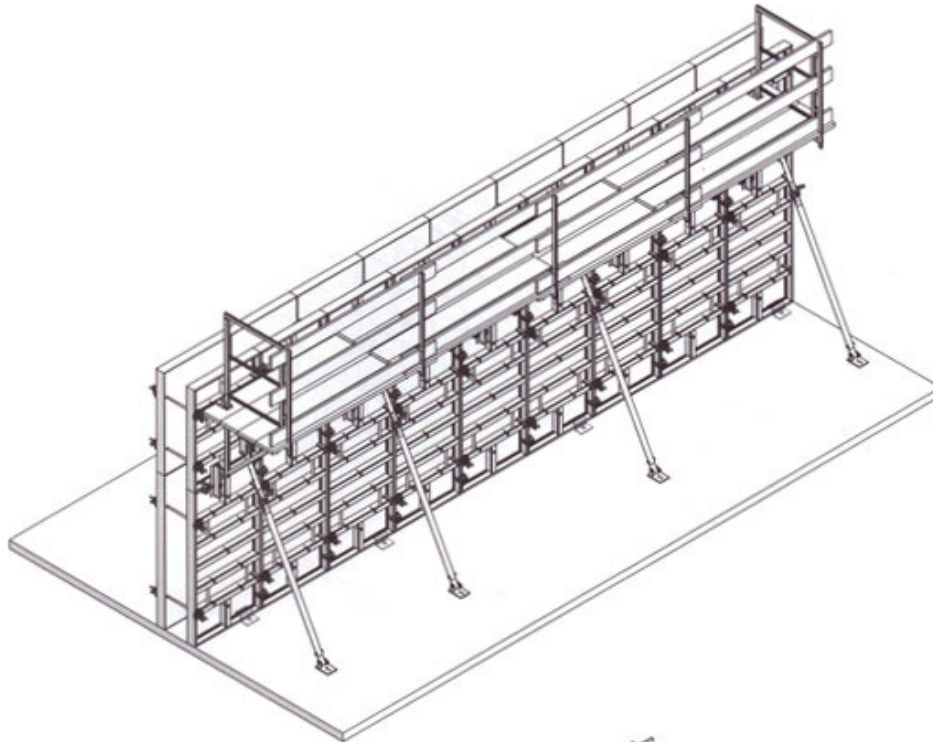


Fig. 41.1

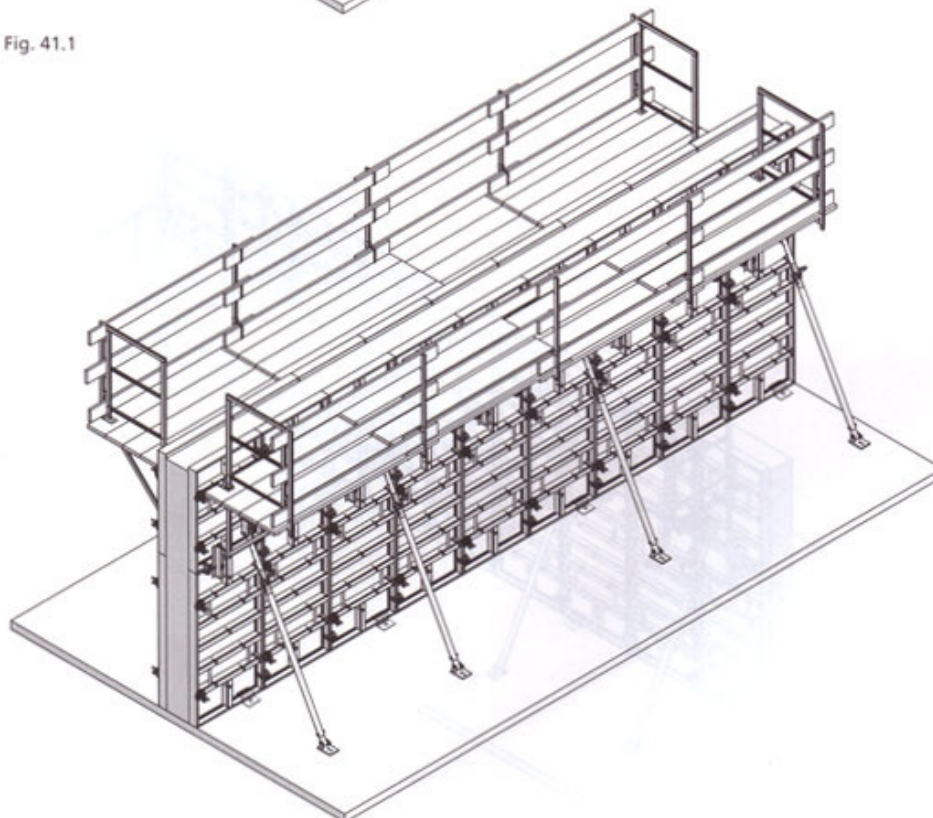


Fig. 41.2

Closing of formwork

The opposite formwork is assembled the same way as described before. However, for this side you may not necessarily need braces.

a) With thru-rods

1. Insert the ties through the first formwork equal to the required wall thickness.
2. Install spacer cones and PVC sleeves over the ties.
3. Lift and move the second formwork into place.
4. Push the ties through the second formwork and secure them on both sides with flange nuts.
5. When using systems without spacers apply Z-bars to ensure a constant wall thickness.

b) With taper ties

1. Lift and move second formwork into place.
2. Insert the taper ties and adjust them to the required wall thickness. Secure the ties on both sides with flange nuts.

c) With she-bolts or steel cones

Please consult technical department for advice.

Finally, complete the working scaffold and mount side railings (Fig. 41.2).

Attention:

The admissible fresh concrete pressure of 1,350 psf must not be exceeded. Observe all federal, state and local codes and regulations for pouring concrete.

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Stripping:

Do not start stripping until the concrete has set to the point where it cannot deform anymore.

Always start stripping the formwork on the second side (the one without braces) (Fig. 42.1 and 42.2).

1. Remove planking of working scaffold.
2. Remove scaffolding brackets.
3. Remove ties.
4. Remove panels.

If heavily soiled, you might need to clean the panels and spray them with release agent before the next use.

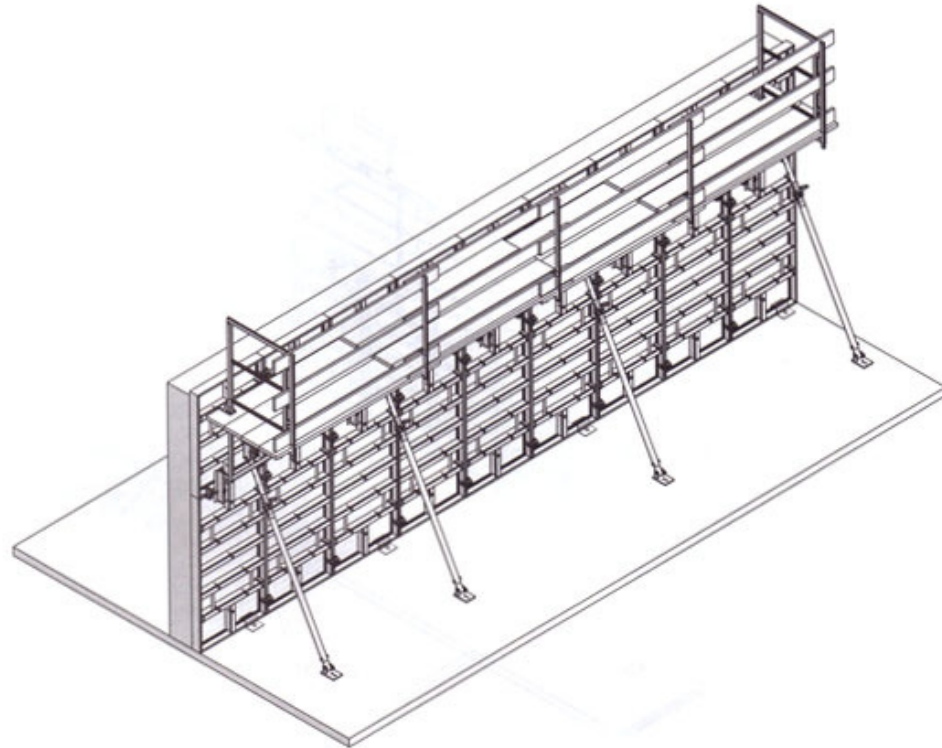


Fig. 42.1

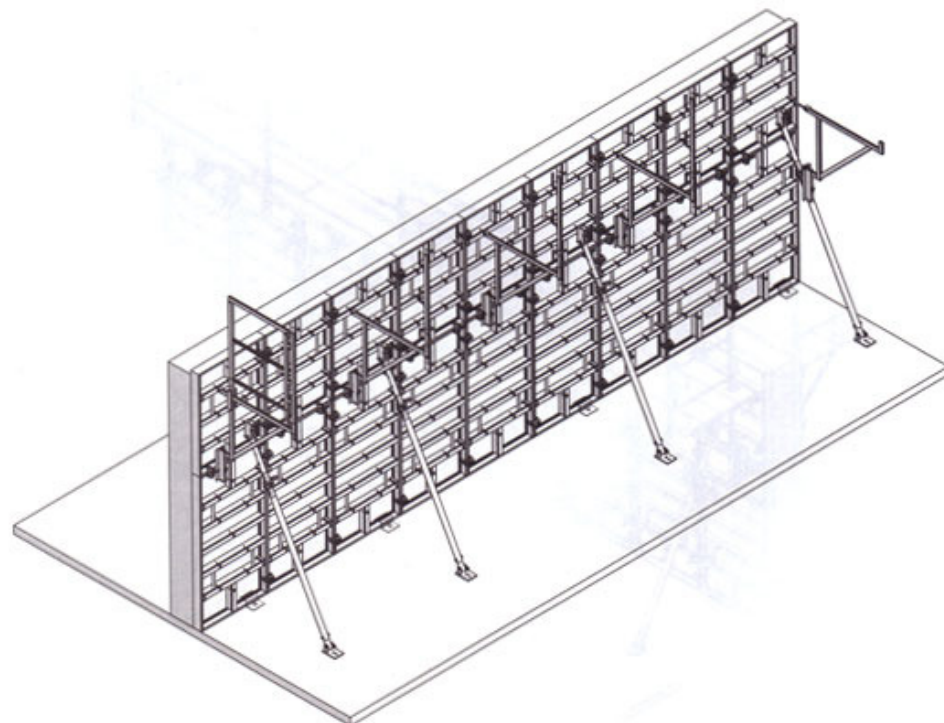


Fig. 42.2

Assembly and stripping (step-by-step)

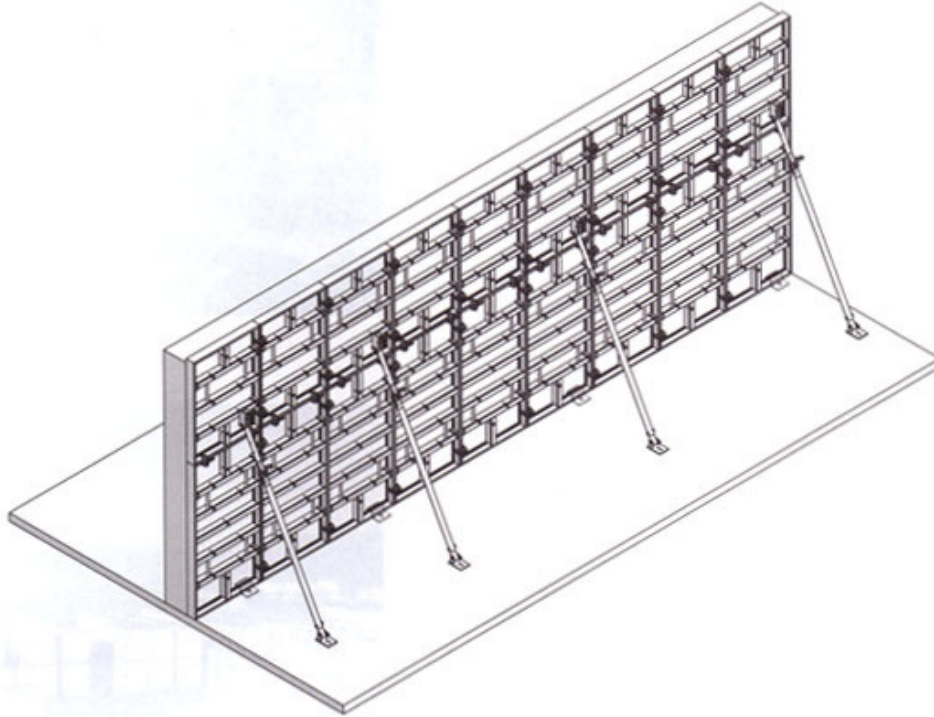


Fig. 43.1

The panels can be removed by hand or by using a crane hook one by one after the wall braces and the respective assembly locks have been removed (Fig. 43.1 and 43.2).

When using a crane, larger panel units can be lifted as one, also after the wall braces and the respective assembly locks have been removed.

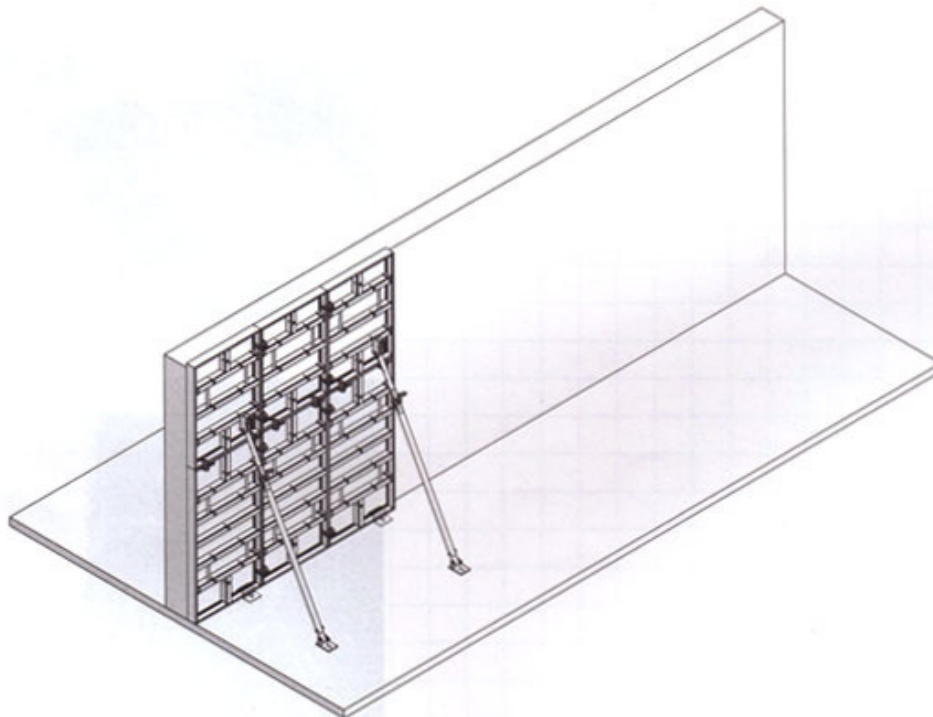


Fig. 43.2