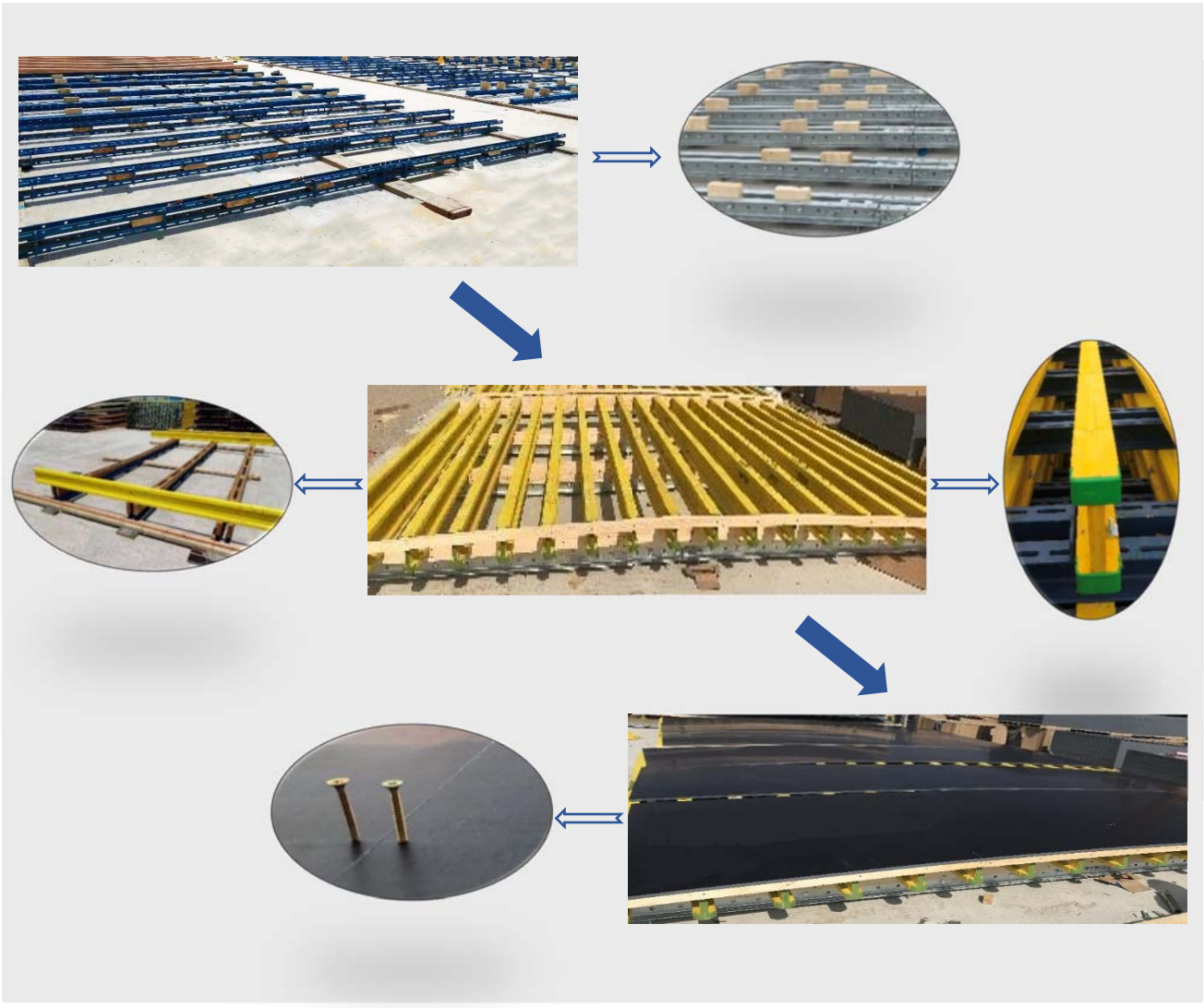
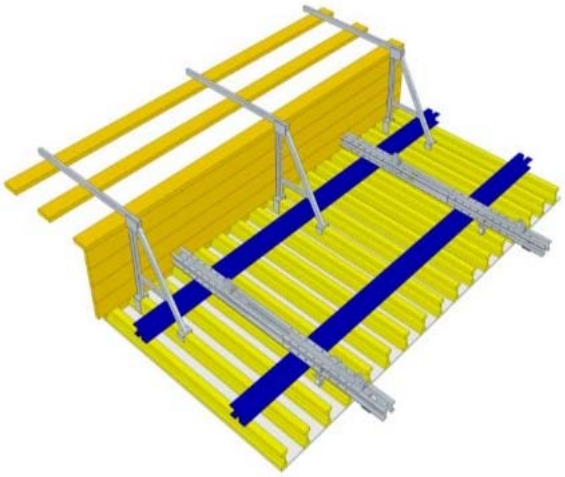
OPERATION

During the on-site use of F16, it mainly includes assembly and on-site installation. Assembly includes template assembly and pylon platform assembly, and on-site installation includes anchor installation, pylon platform installation and template installation.

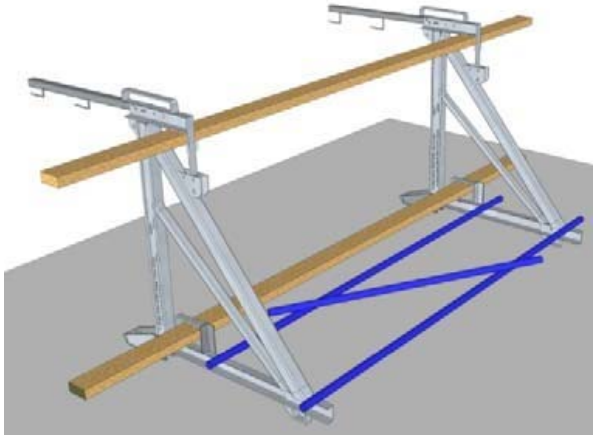
Formwork and Platform Assembly



On-site Large Formwork Assembly Process and Details



Upper Platform Hanger Assembly Details



Middle Platform Hanger Assembly Details

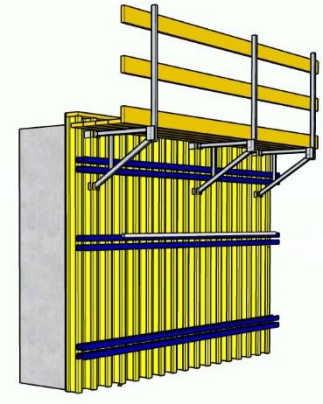
1、The vertical main wall purlin and the horizontal steel wall purlin are connected and fixed by hook bolts.

2、When assembling the platforms, first connect the main tripod with the scaffold steel pipe and one-way fasteners on the operating platform before operating.

On-site Installation

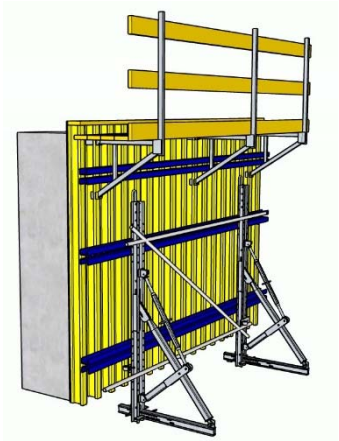
First Stage of Installation Process

1. When installing on the first floor, after the template is in place, the positioning cone and anchor rod are fixed on the panel of the template. The fixing method is determined by whether the panel can be opened.
2. Considering economy, both the positioning cone and the climbing cone are reused components. In addition, in order to facilitate the operation, the anchor rod is marked with a depth mark, and the anchor rod must be screwed into the depth mark position.



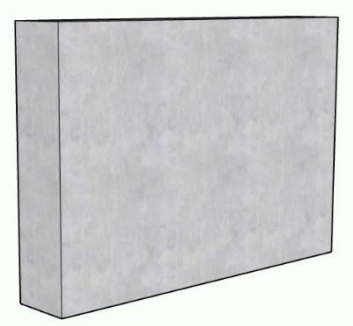
Formwork Unit Installation

Lift each formwork unit in place and Then, install a supporting tripod according to the F16 climbing formwork plan;



Tie Rod System Installation

Install tie rods between inner and outer formwork, tie rods and formwork units. Pour the first level of concrete.



Remove the Formwork

After the concrete reaches its age, remove the pair of tie rods and connectors, and use the mold ejection device to eject the formwork.

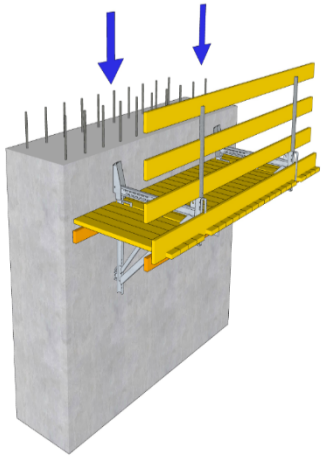
- **First Stage of Installation Process Details**

Formwork Unit Installation

Tie Rod System and Connections Details

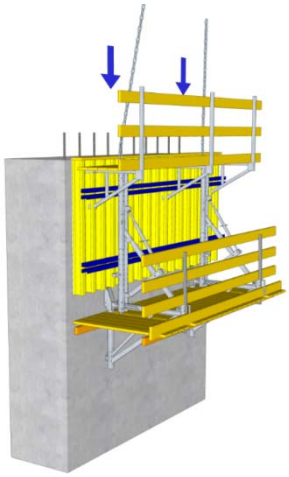
Fair-faced Concrete Surface

- **Second Stage of Installation Process**



Load-bearing Bracket installation

Lifting the middle platform on the climbing cone



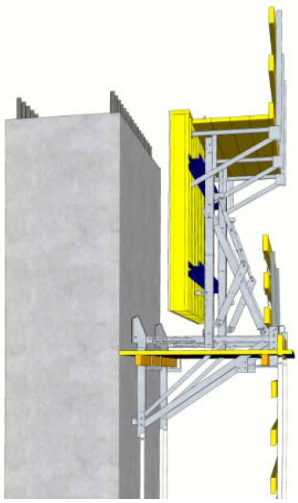
Large-formwork installation

Lift the large formwork, tighten the steel wedges, rotate the scissors to adjust the verticality, and pour the concrete

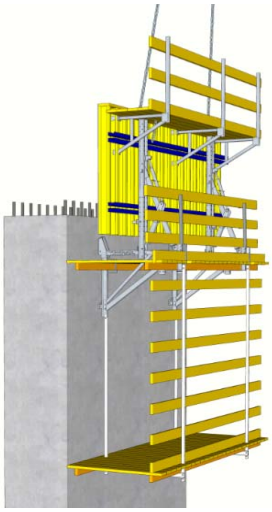
Decoration Bracket Installation

Adjust the size of the decoration rack. Install the wind resistance rod at the climbing cone position to ensure good wind resistance of the structure.

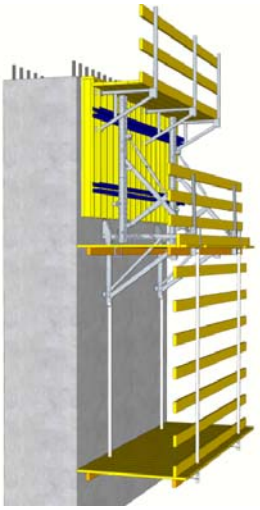
- **Standard Stage of Installation Process**



Rotating mold ejection device makes the template leave the concrete surface.

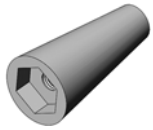


Elevate the entire system to the next level of climbing cone.



Rotating mold-removal device makes the template close to the concrete surface and pours the concrete.

Product List

F16 bracket No.： 86330001 	Waler hook bolt No.： 86300014 
Vertical waler NO.： 86330002 	Anchor plate 15.0 NO.： 86400016 
F16 panel traveling unit No.： 86330003 	high-strength tie rod 15.0 No.： 86400051 
Suspension platform No.： 86330004 	Super plate 15.0 No.： 86400001 
Sealing sleeve 15.0 No.： 86400015 	Tie rod connecting cone 15.0 No.： 86400005 
Climbing cone No.： 86330006 	Positioning cone No.： 86330008 

Typical Project

Nuclear Power Containment

LNG Tank