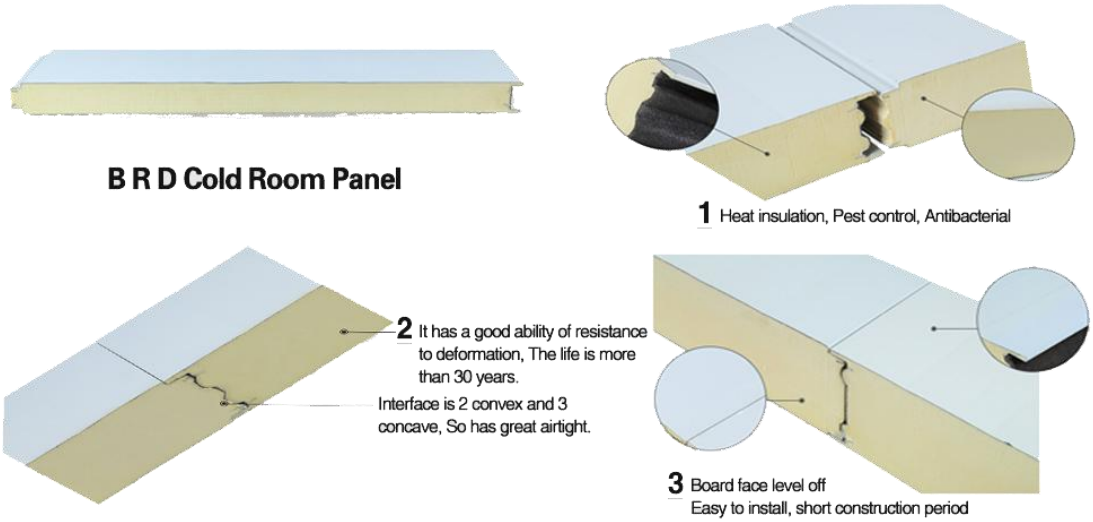

The Installation of Wall Panels.

1. The installation of wall panels should start from corners. As is shows in the arrangement drawing, the two panels to be installed at the corner should be delivered at the place and drilled a hole vertical to the panel in the middle of the width at the standard height according to the height of the panel and the angle iron model of the fixed mushroom-shaped nylon bolts. The mushroom-shaped nylon bolt should be screwed with the angle iron in the hole and painted the sealant. And the bolt and angle iron should be screwed to the extent where the contact surface of the panel and bolt shows a little bit of concave. When the panel is placed straight up, the floor groove where panels are contacted should be covered with soft materials like foam to prevent damage. After two panels at the

corner is stood up onto the floor groove, the surface position and verticality of the wall panel should be adjusted according to the position where line is placed. And the standard height of the wall panel top should be checked right all the way to the end. After the position of wall panels are placed right, angle irons should be weld on the panel purlin both interior and exterior corners be fixed. And the contact part of inner side of the corner and panel should be painted with a line of sealant. And the contact part should be covered when welded to prevent burn and welding slag splash.

2. After the installation of panels at the corner, the next panel along the corner should be installed. Two lines of sealant should be painted at the corner of corner groove before the installation. And the painted sealant should be dense, continuous to a certain height. And the installation is the same as before.

3. The square wood on the PU panels should be struck with a hammer to make two panels clung to each other closely. The contact part should be connected with two sets of connecting pieces. And two sets of connecting pieces should be fixed at upper outside and lower inside of the gap separately. And the connecting piece at inner outside should be to the bottom as possible to be able to be covered by concrete to be added later. And the gap between panels should be kept at 3mm width. When we fix the

connecting pieces, we should pay attention that two parts of the single connecting piece should be fixed at the edge of two panels separately with φ5X13 rivet. And the distance of connecting pieces should be able to connect two panels tensely. And the hammer and wedge iron should be kept vertical to each other to prevent damage when the wedge iron is fixed. Both upper and lower wedge irons should be fixed with rivets at the same time.

The Installation of Roof Panels.

1. Before the installation of roof panels, T-section iron for suspended ceiling should be installed completely according to the drawing. When the T-section iron is installed, it should be arched slightly according to the width of steel frame to make sure it will not deflect after the installation of roof panels. And the installation of roof panels should start from the corner. The panels should be lifted to the designated height and position accordingly and the vertical side of panels be placed onto the wall panels and T-section iron. Adjust the parallelism and verticality of which roof panel is to the axes, check the standard height of the roof panel bottom, fix the roof panel with T-section using rivets, connect angle panel between roof panel and wall panel and then get down to the

installation of next panels.

2. The ways that the second panel is installed is like the first one and the connection of panels like the installation of wall panels. The connecting pieces of panels should be fixed outside of the panels.And each gap should be fixed with 3 connecting pieces and two ends with 1. If the roof panel is less than 4 meter, 2 connecting pieces are okay.

3. After the installation of roof panels, C-section steel for suspended ceiling is next to go. According to the actual arrangement of roof panels, angle irons of fixed mushroom-shaped nylon bolts should be welded onto the ceiling C-section steel at the same distance. Then ceiling C-section steel should be placed at the designated place of the rood panel according to the drawing and the ceiling C-section steel should be of the same parallelism and verticality as the axes. After the position of ceiling C-section steel is adjusted, the roof panel should be drilled a hole where angle iron bolt is placed and the roof panels and angle iron be fixed using mushroom-shaped nylon bolts. Then the ceiling C-section steel should be welded onto the purlin according to the standard height of the roof panel bottom and the nut below the steel frame be adjusted to make sure ceiling C-section steel and roof

panels are at the designated height.

All contact parts where inner sides of corner panels and panels are connected should be sealed with sealant. Corner panels between wall panels should be fixed in separated parts to make it easy to pour into UP foam. Every 500mm of corner panels to fix roof panels should be cut a hole which is suitable for pouring into PU foam and fixed onto the roof panels and wall panels. The corner panels should be fixed with rivets and the distance should be kept at 100mm in a line. And attention should be paid to that drilled holes of rivets and rivet tools should be kept vertical to corner panels.