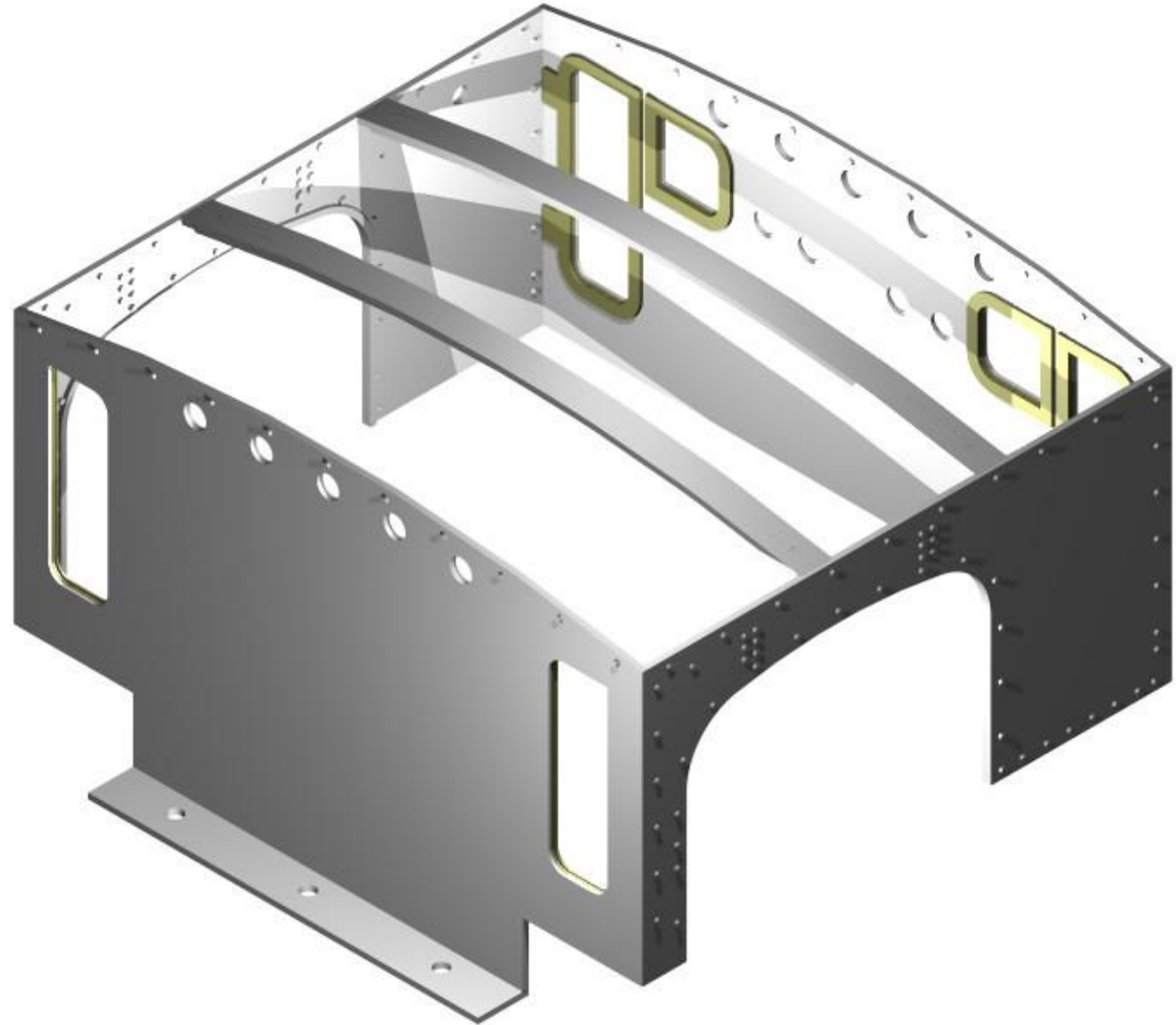


NSWGR Z20 7mm Tank Loco Kit

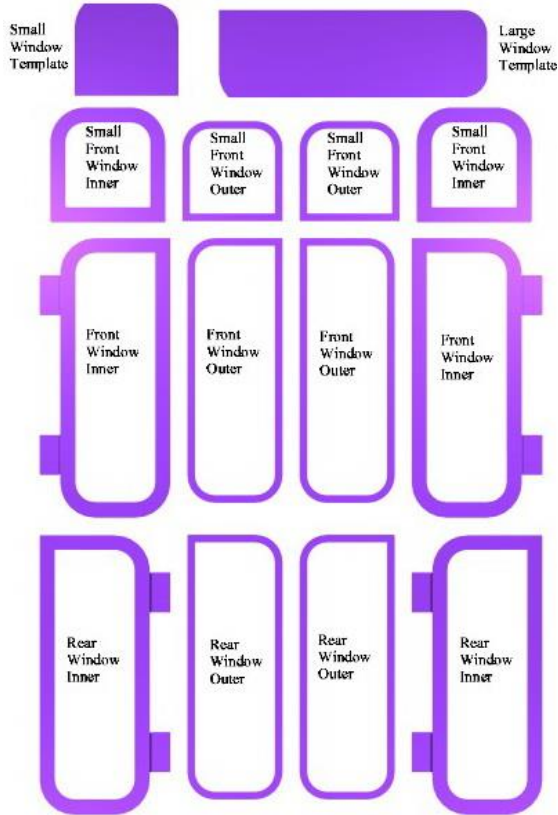
Loco Cab Construction

Outcome ---- Completed Cab Construction

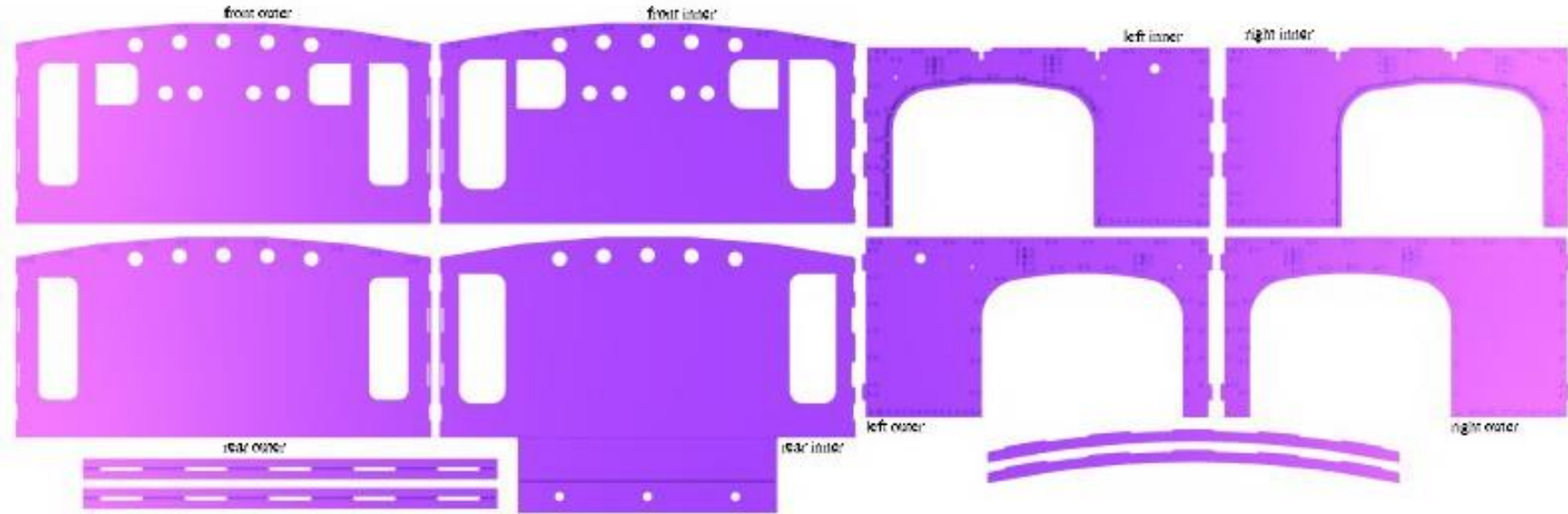


NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _01



The above etch is made from 0.3 mm brass, and the reason for the brass etch rather than N/S is that the windows are naturally brass on 2029 at Thirlmere, but they can be painted if you require.

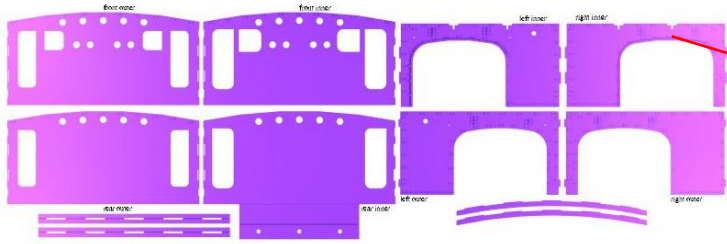


The etch above is made from Nickel Silver and is 0.45 mm thick. The parts are soldered together, after locating using the tabs.

Ensure that the etched parts fit neatly and flush with each other. Carefully remove each part from the etch fret with a very sharp Stainless steel pair of scissors. Remove any excess tab material and smooth the edge of the etch from any irregularities. I Have found the best thing for cleaning the edges of the etch is a simple piece of craft wood with wet and dry paper glued to it in various grades.(Available for KRModels --- home made \$10.00 for 5 sizes)

NSWGR Z20 7mm Tank Loco Kit

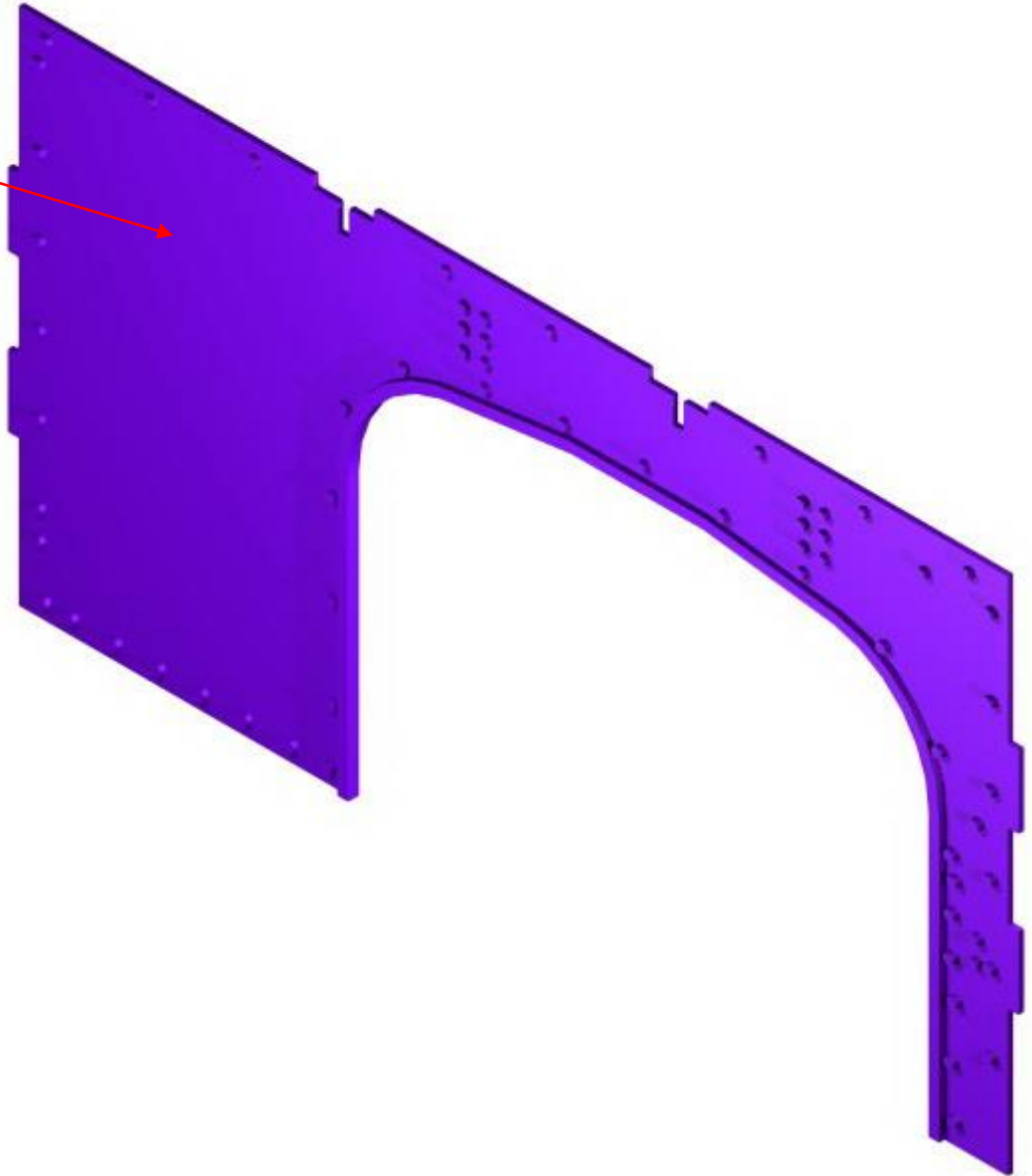
Loco Cab Construction _02



Start with the right hand inner panel, you will notice that this panel has no holes in it and has a lip on the inside around the opening, as well as rivet detail on the inside of the panel.

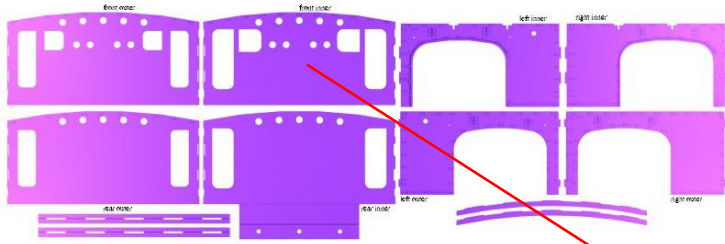
The parts in **GREY** are the parts that have already been worked on.

The Parts in **PURPLE** are the new parts being fitted.

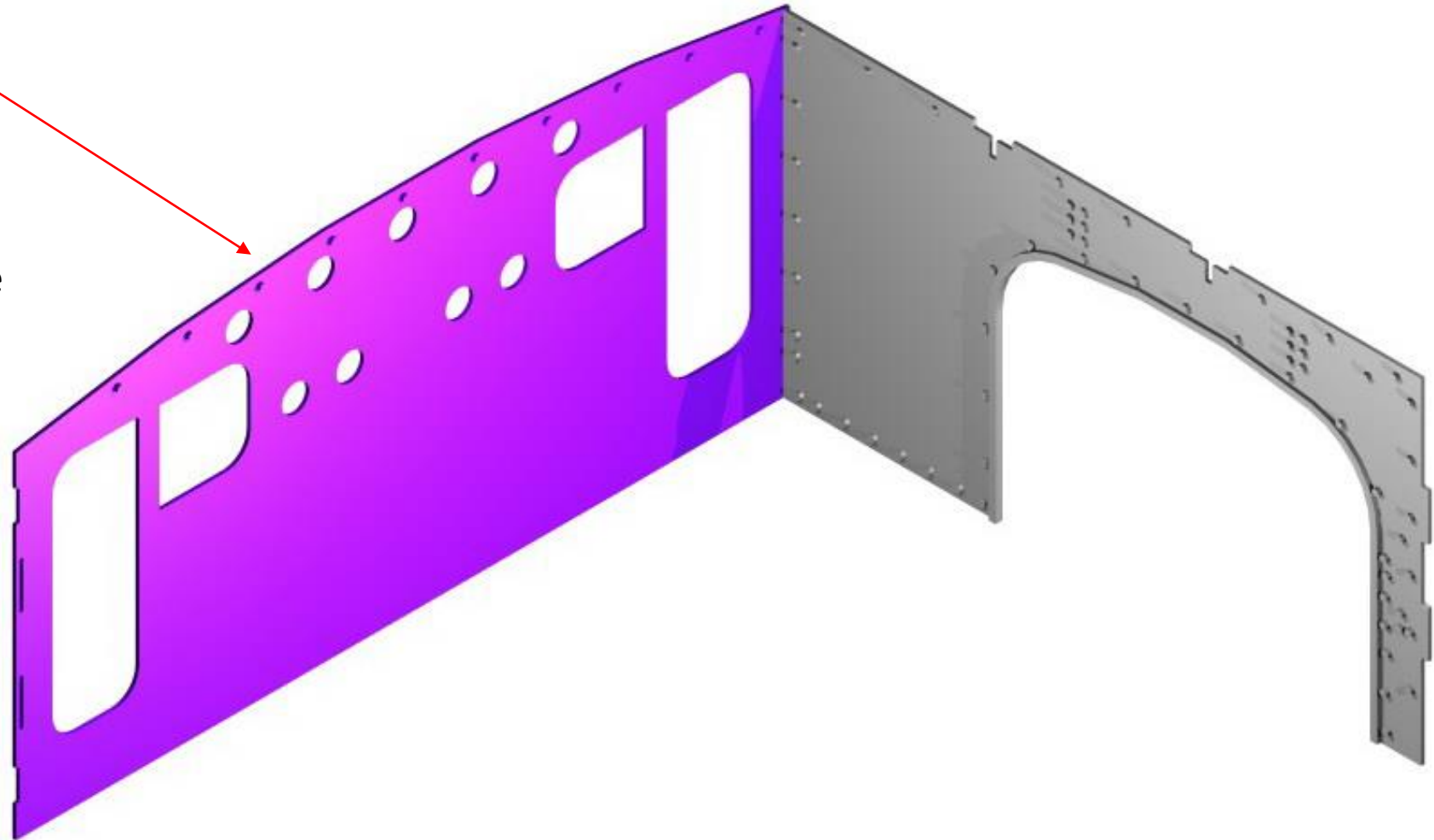


NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _03

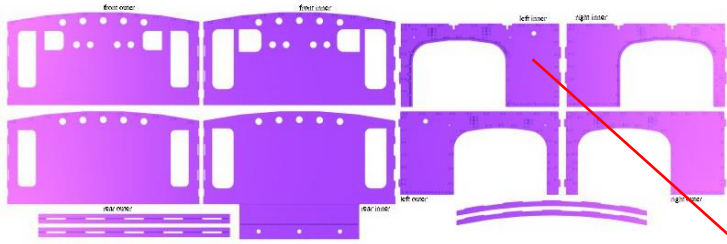


The front inner panel is next with the right side inner panel fitting into the slots on the edge of the front inner panel. Check for square as you go through the build process. You can make up a timber jig the size of the inside of the cab to use as an assistance jig. Any help with getting the cabin square is worthwhile taking.

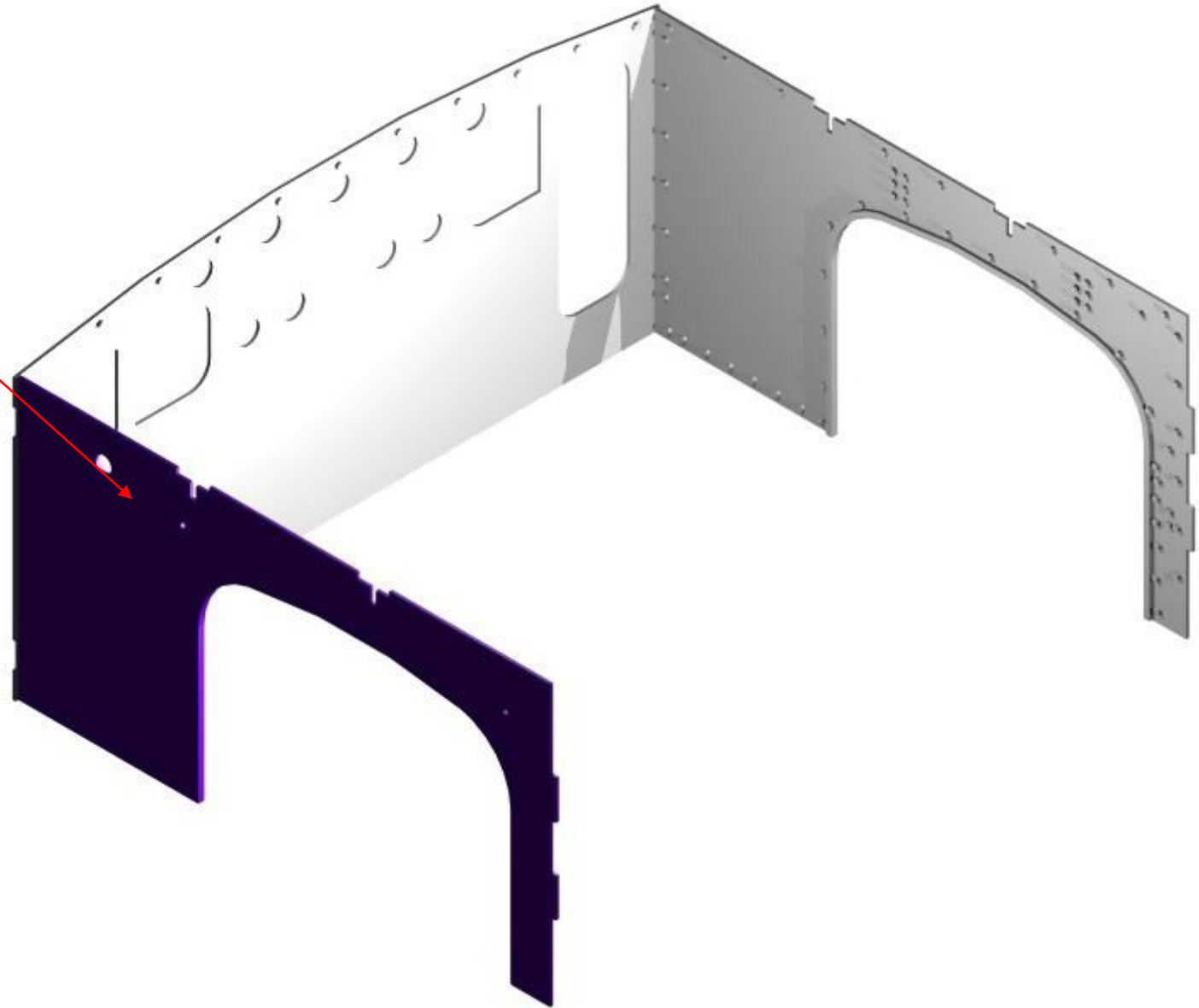


NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _04

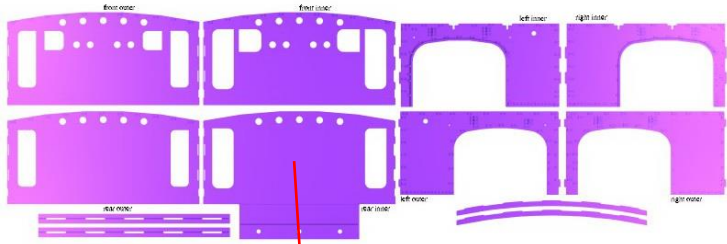


The left inner panel is fitted next to the front inner panel. Tack solder together and ensure that the panels are square to each other. Full soldering can be done latter in the build.

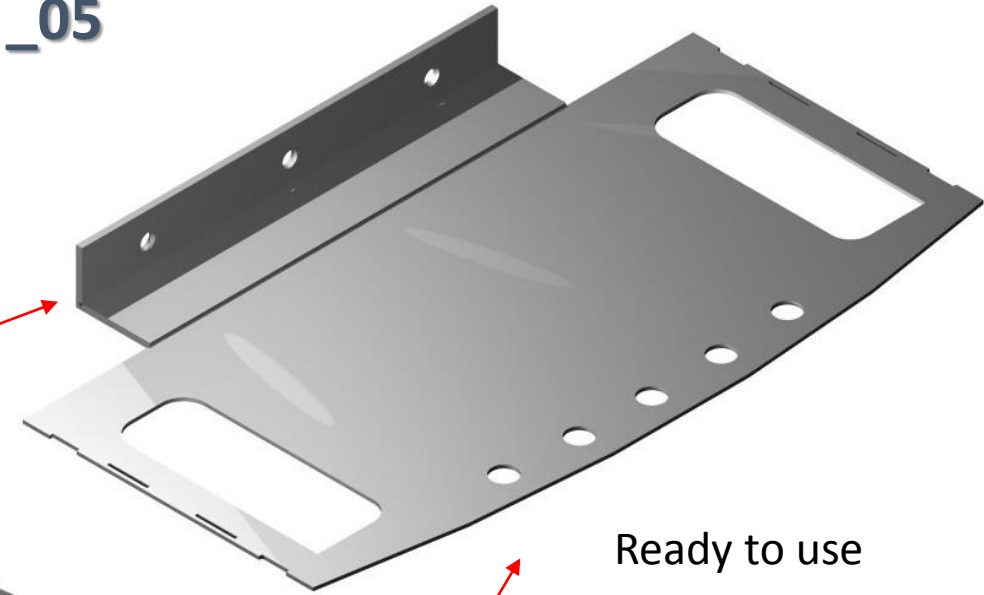


NSWGR Z20 7mm Tank Loco Kit

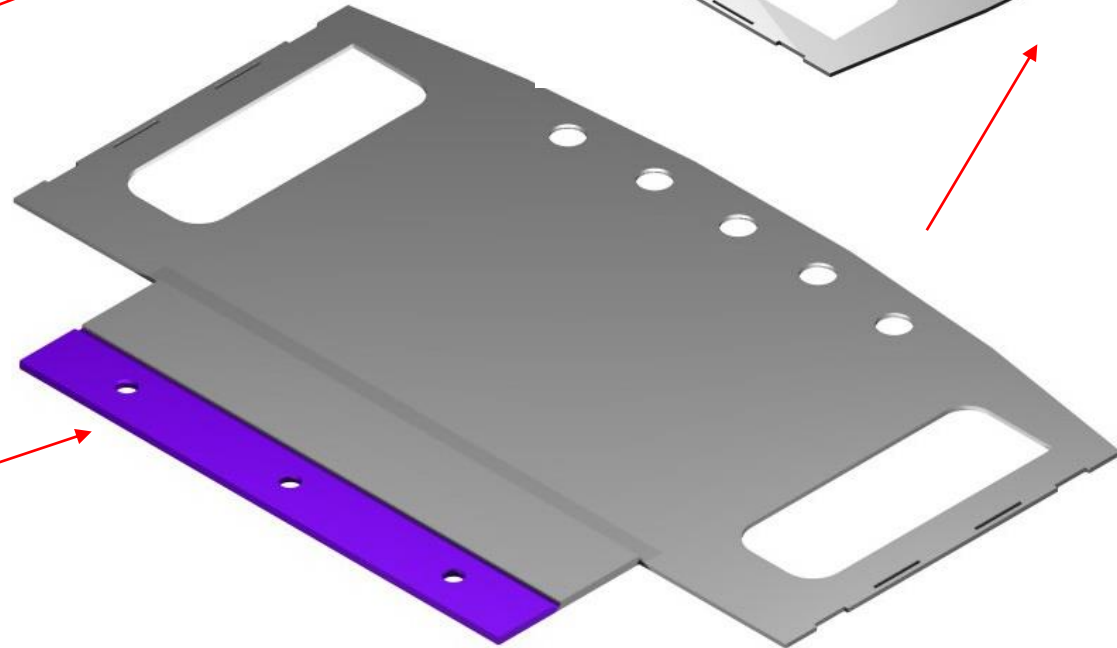
Loco Cab Construction _05



The rear inner panel, has to be worked on before it is fitted, this panel has 3 bolt holes which are used to secure the cab to the bunker. The lower panel is folded to 90 degrees on the fold line, and the joint soldered together. Please ensure that the folded panel is at 90 degrees.

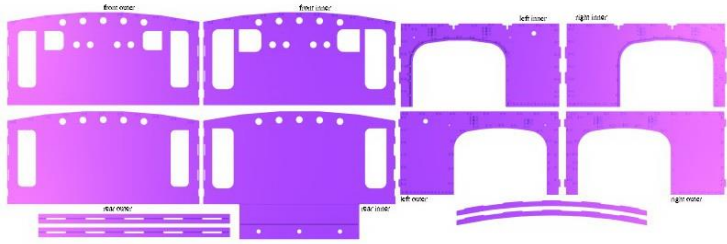


Ready to use

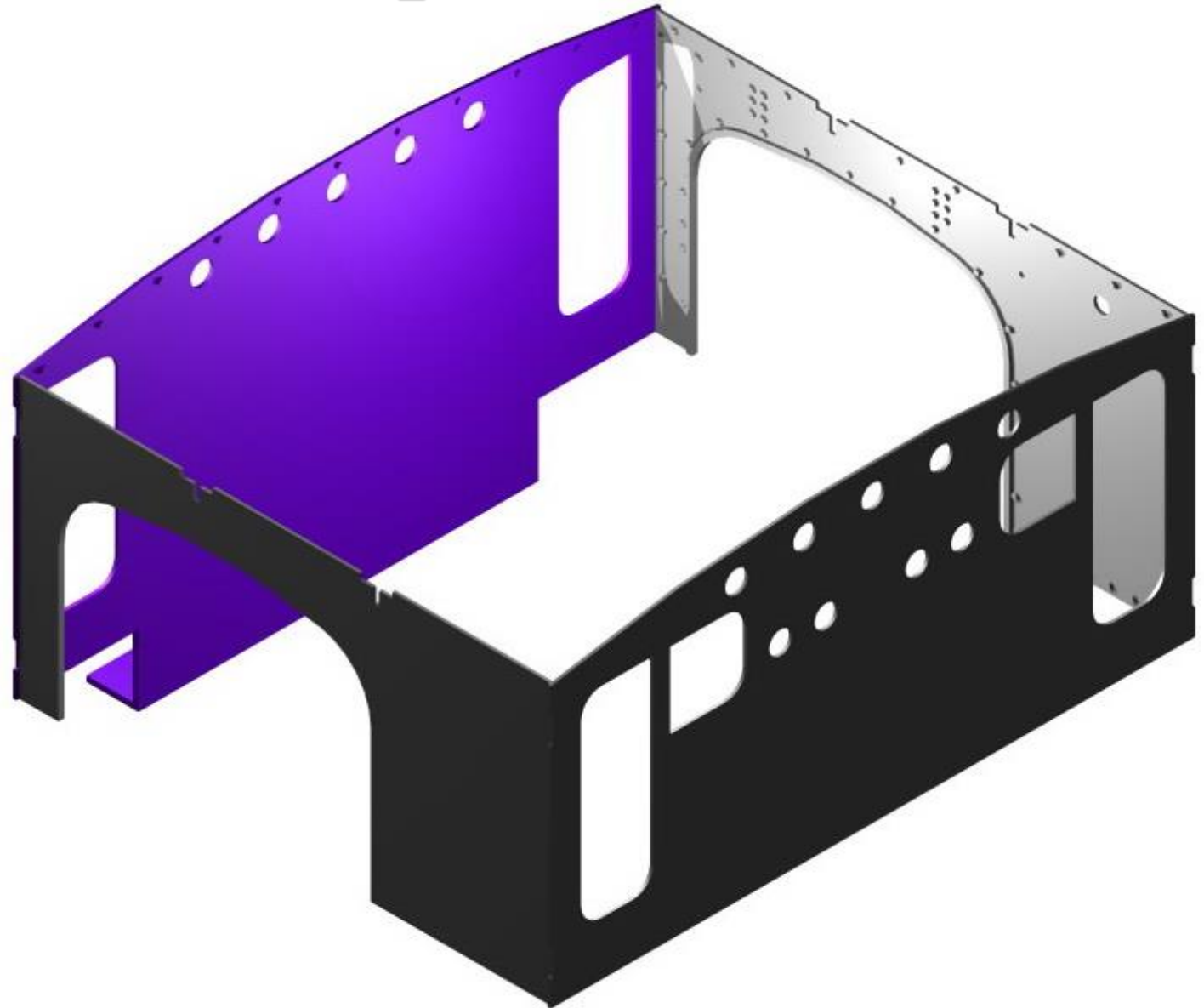


NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _06

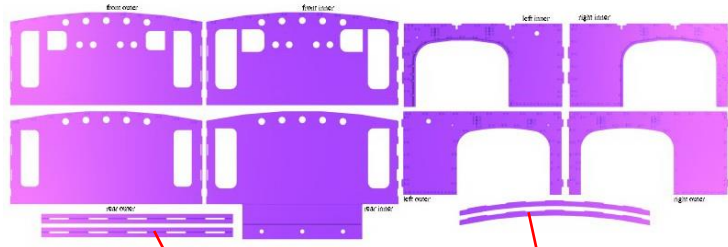


The rear inner panel is fitted to the side panels and tack soldered together, with the folder panel at the base, facing rearward (outside the Cabin). This gives us a basic shape of the cabin with the outer panels and roof supports to be fitted.

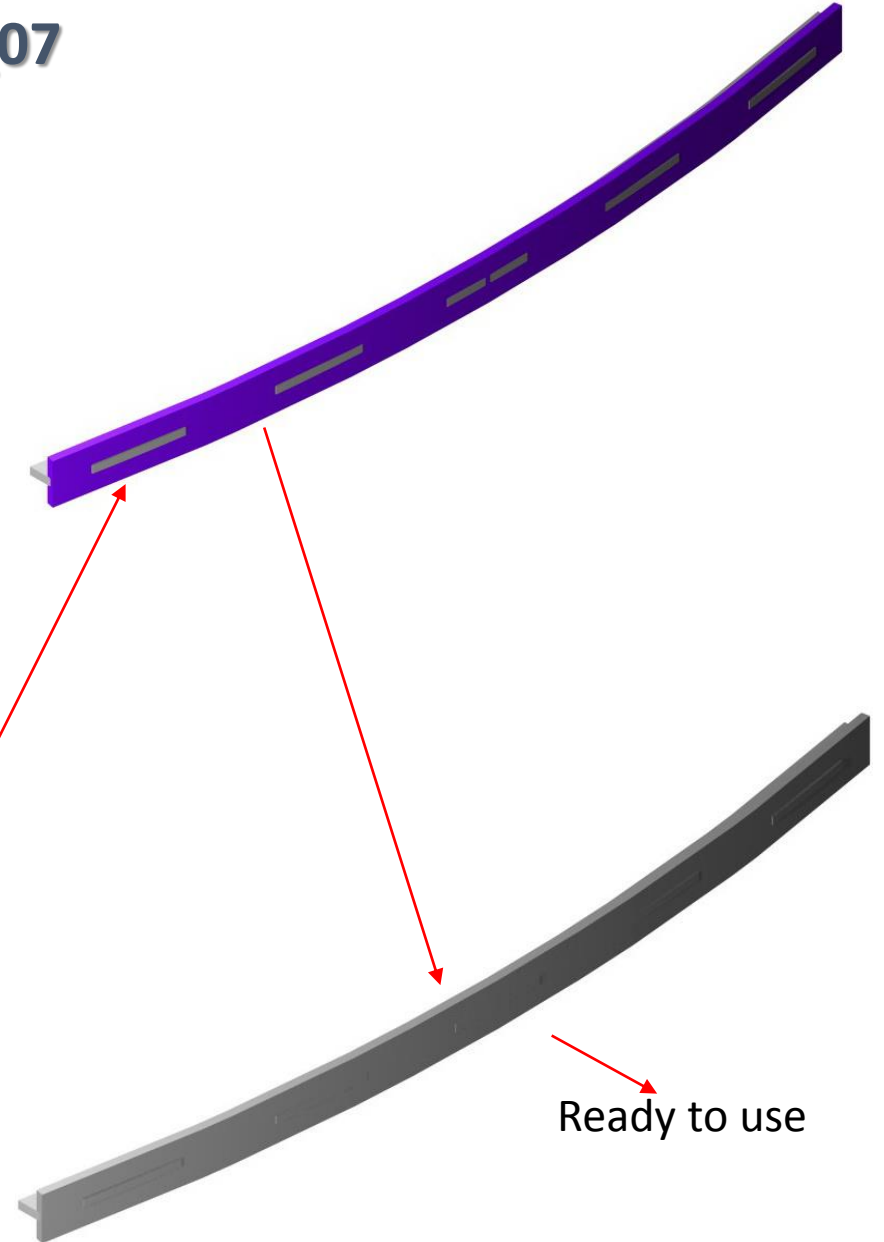
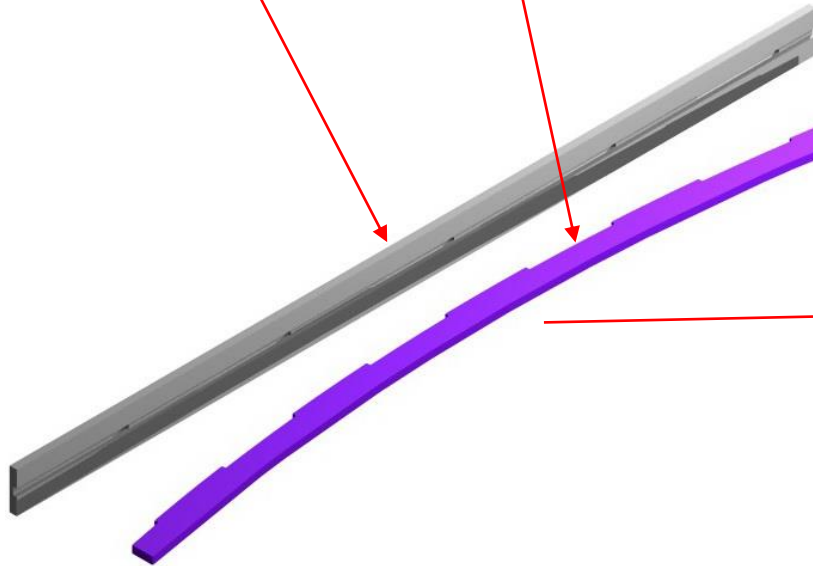


NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _07



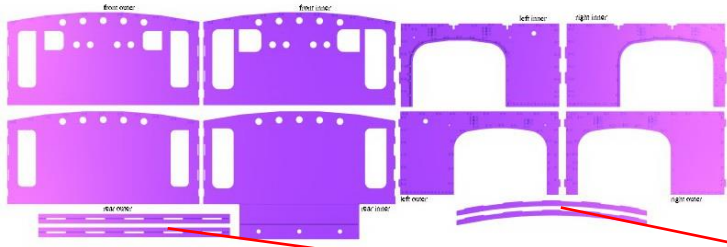
The next step is to build up the roof supports and strengthening struts. These are made from the etched profile which is fitted into the half etched top piece as is described in the images on this page. Starting from the middle of the profile bend and solder the top piece



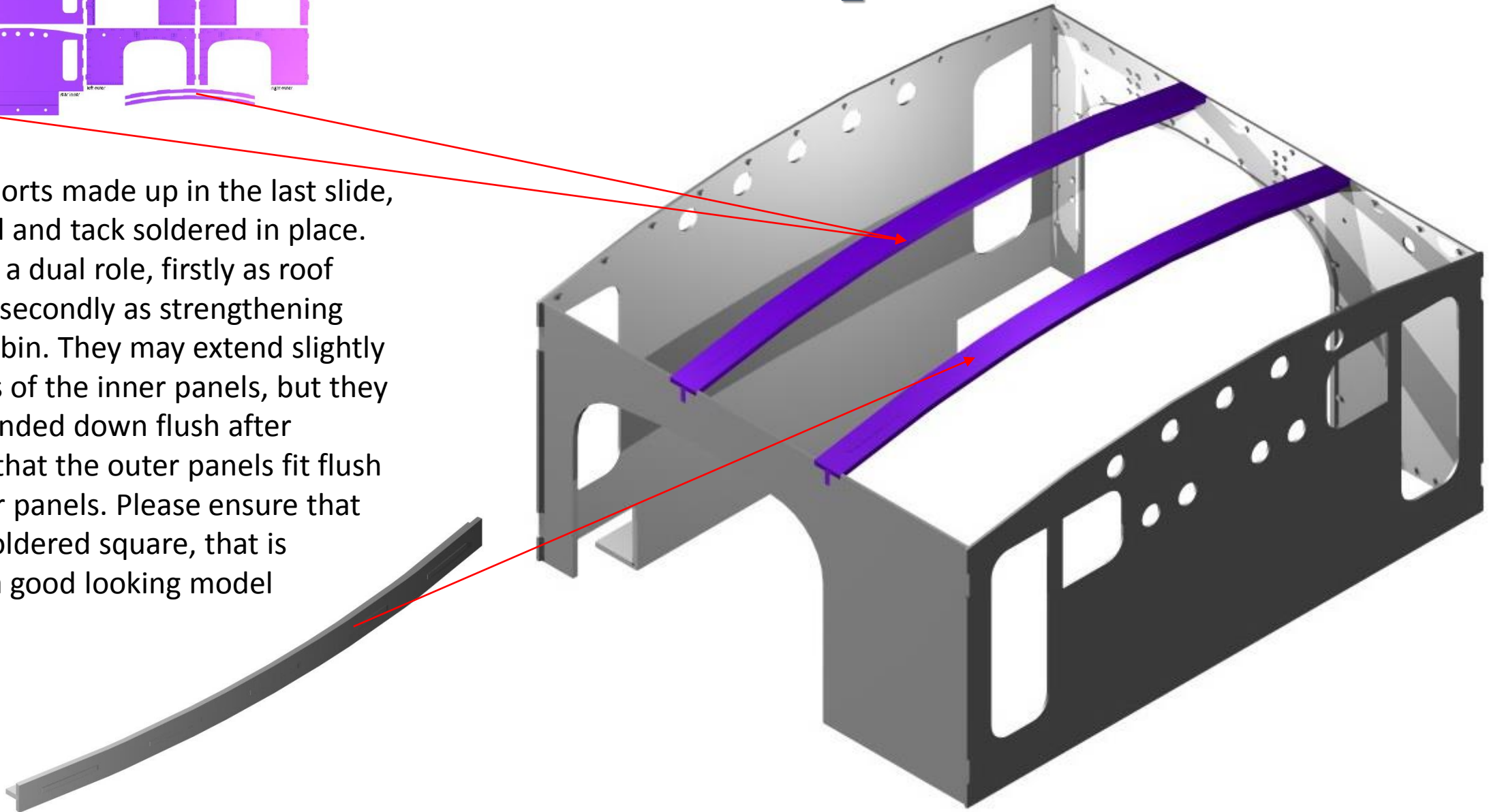
Ready to use

NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _08

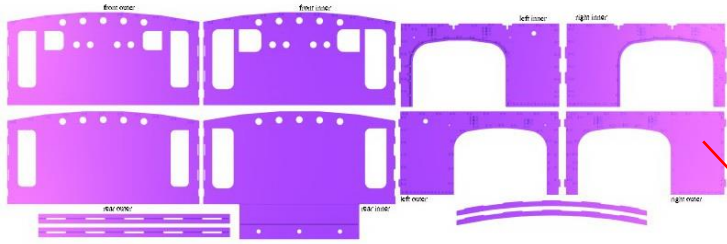


The roof supports made up in the last slide, are now fitted and tack soldered in place. They perform a dual role, firstly as roof supports and secondly as strengthening ribs for the cabin. They may extend slightly over the sides of the inner panels, but they do need to be sanded down flush after soldering, so that the outer panels fit flush with the inner panels. Please ensure that the cabin is soldered square, that is essential for a good looking model

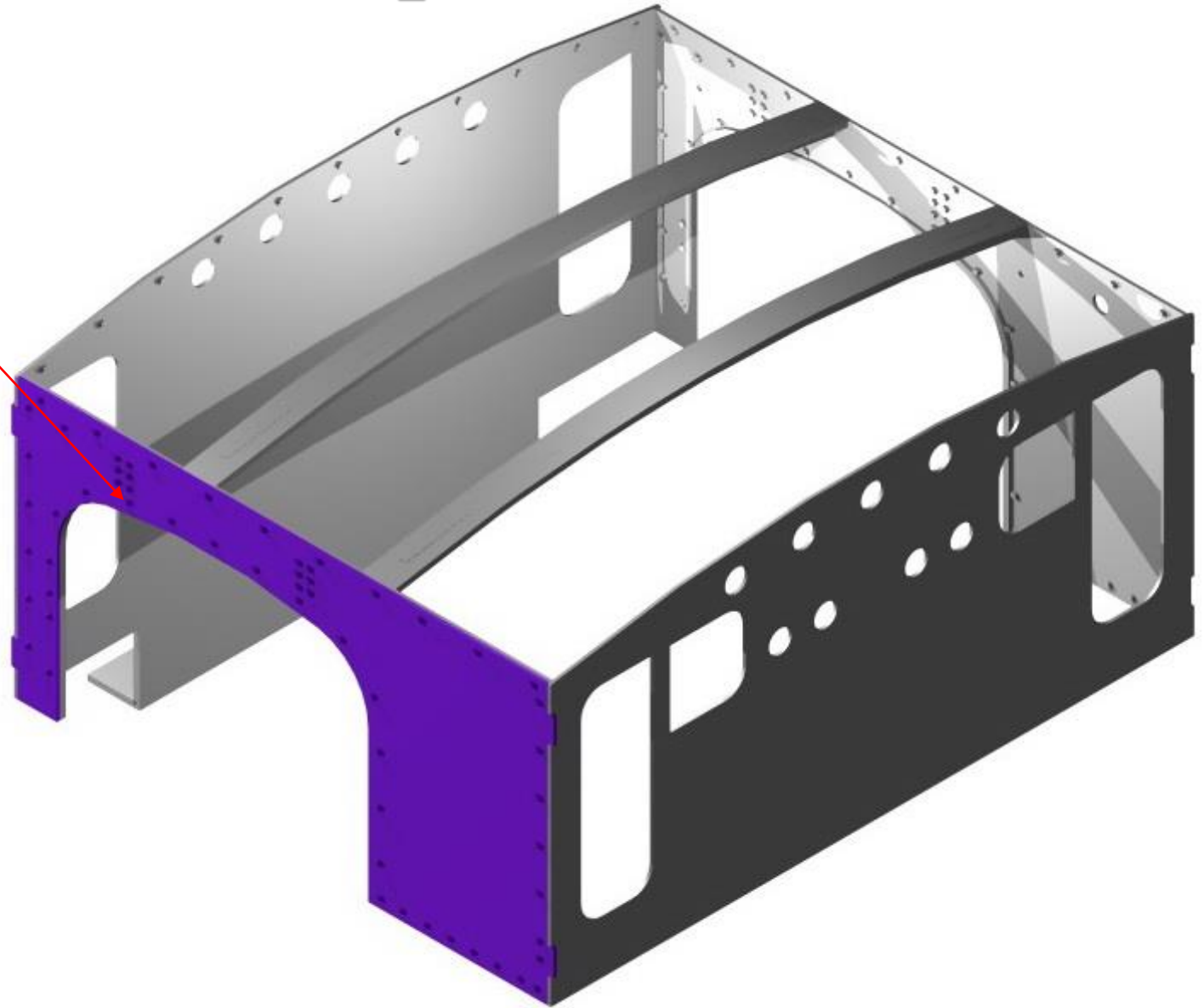


NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _09

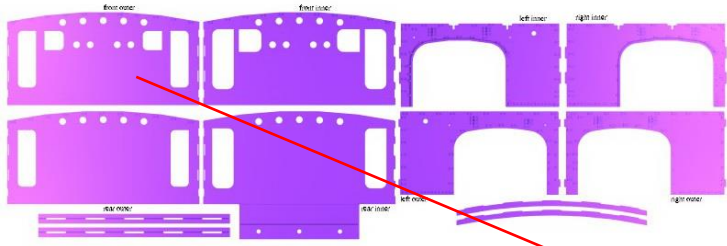


The left outer panel is fitted next. This panel is the one without any holes in it. The panel should sit flush with the inner panel and the end tabs should fit neatly into the end panels. Solder around the edges and sand these edges back so that no excessive solder is showing. If you use a good solder, with the recommended flux and the correct soldering iron and heat setting, the solder should flow very easily, sealing the panel edges, and leaving very little excess solder.

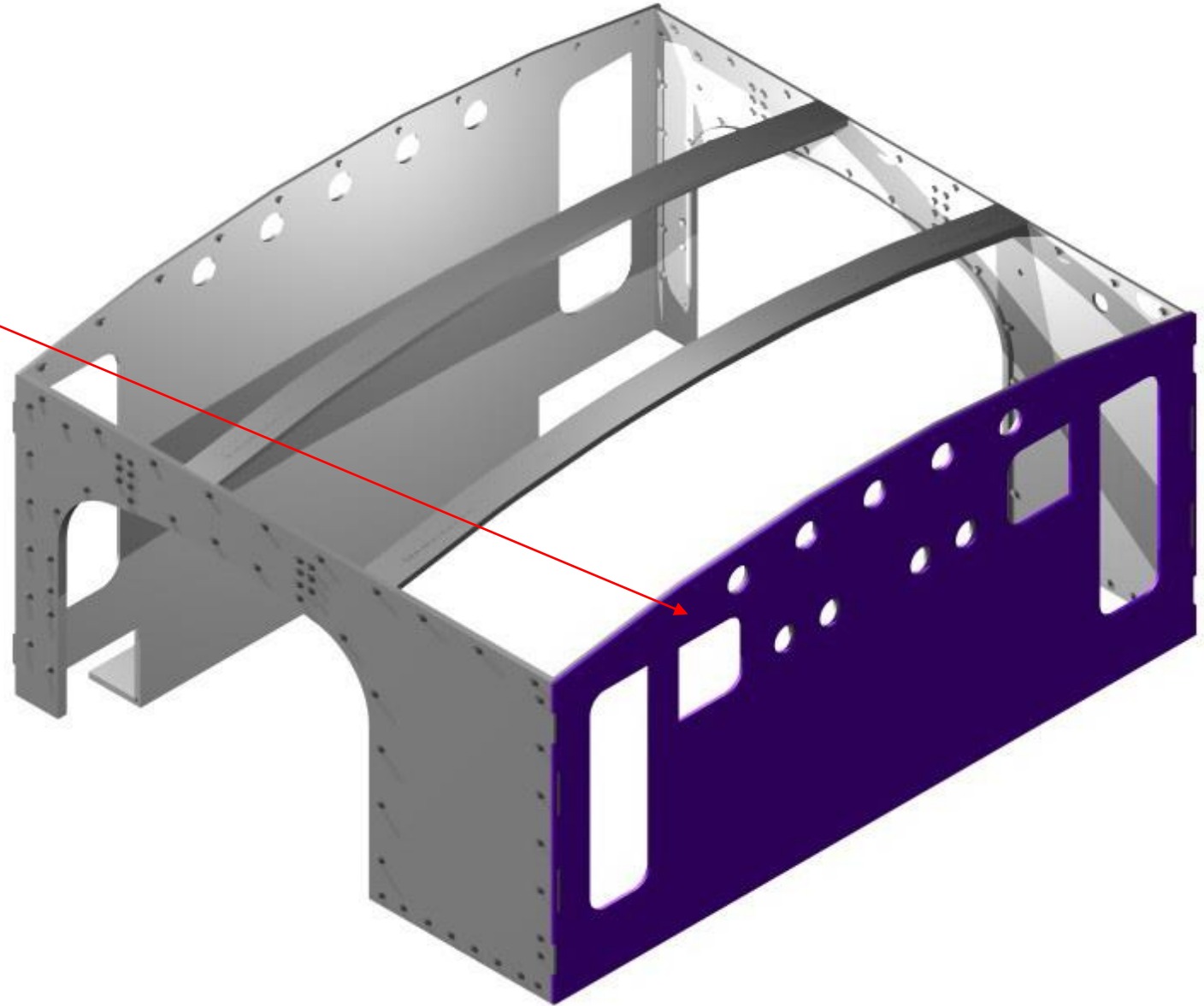


NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _10

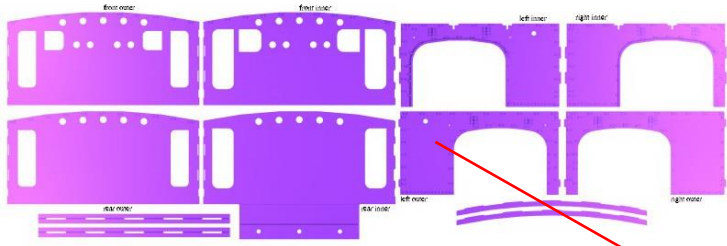


The front outer panel is fitted. Ensure that the tabs are located and that the panel is clamped to the inner panel and square before finishing the soldering. To assist you in soldering the outer to inner panels, you can use bulldog clamps or miniature pegs to hold the panels together, the pegs allow the heat to stay in the metal, where as the bull dog clamps will act as a heat sink on the metal.

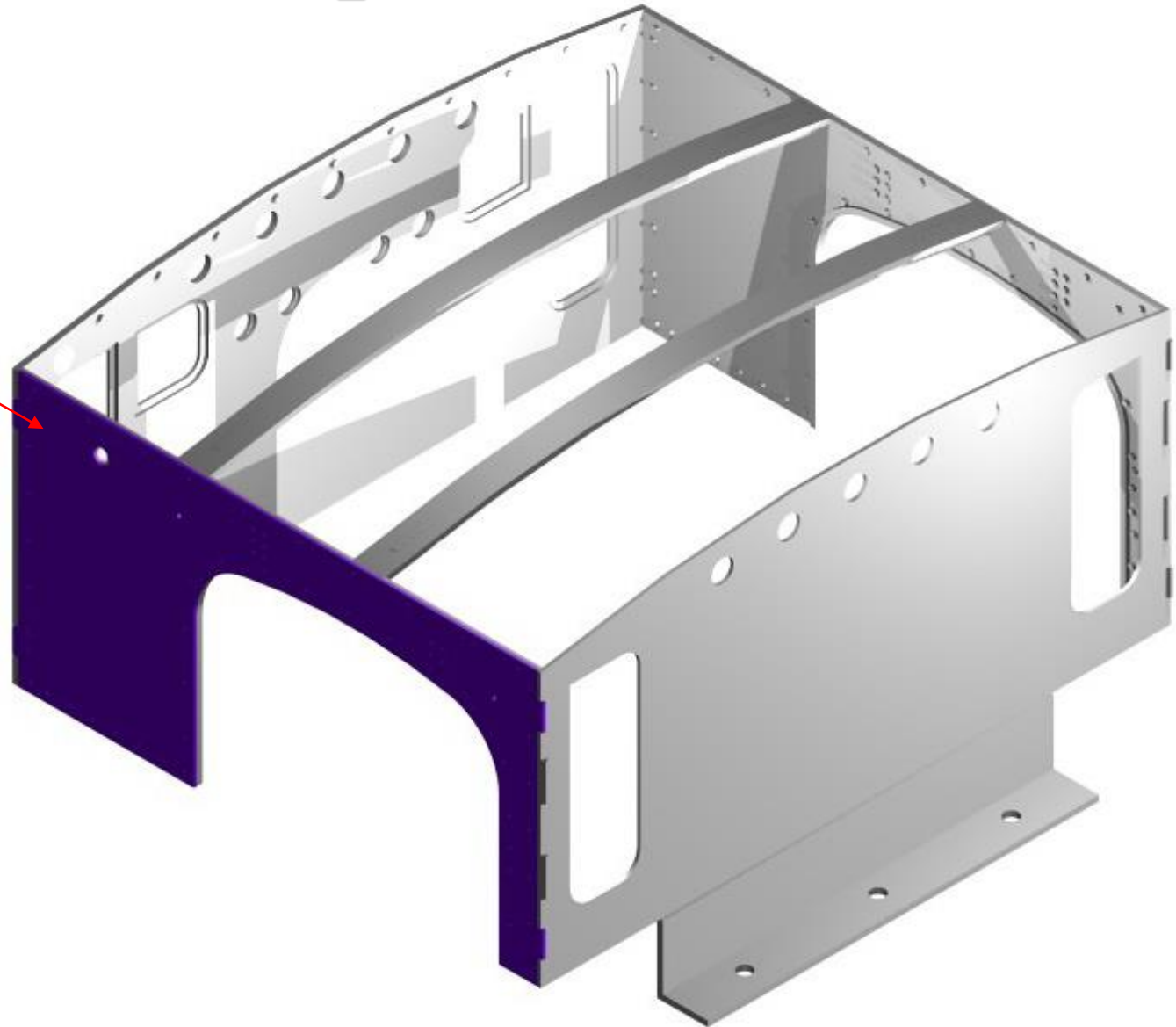


NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _11

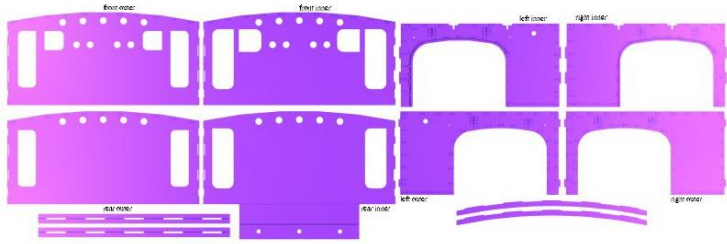


The left outer panel is fitted next, by now you should have this soldering thing working really well, and a good system in place., don't forget the clamps and to keep the surfaces clean and use plenty of flux and heat and allow the solder to flow. Try to minimise any excess solder, so that there is no need for lots of clean up, and blobs of unwanted solder every where.

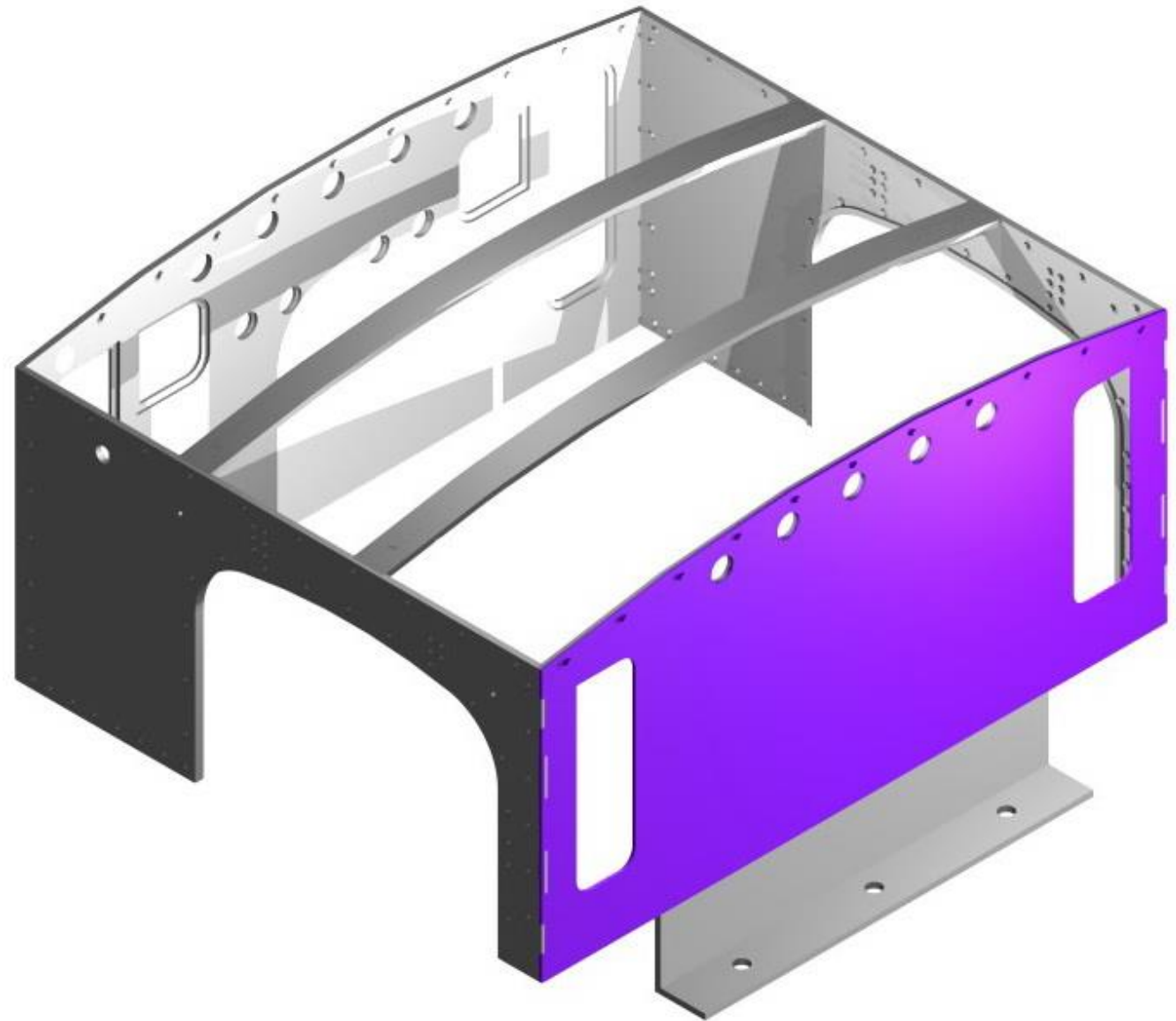


NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _12



The rear outer panel is located next and fits above the lip of the extension of the rear inner panel so that it is flush with the inner panel.



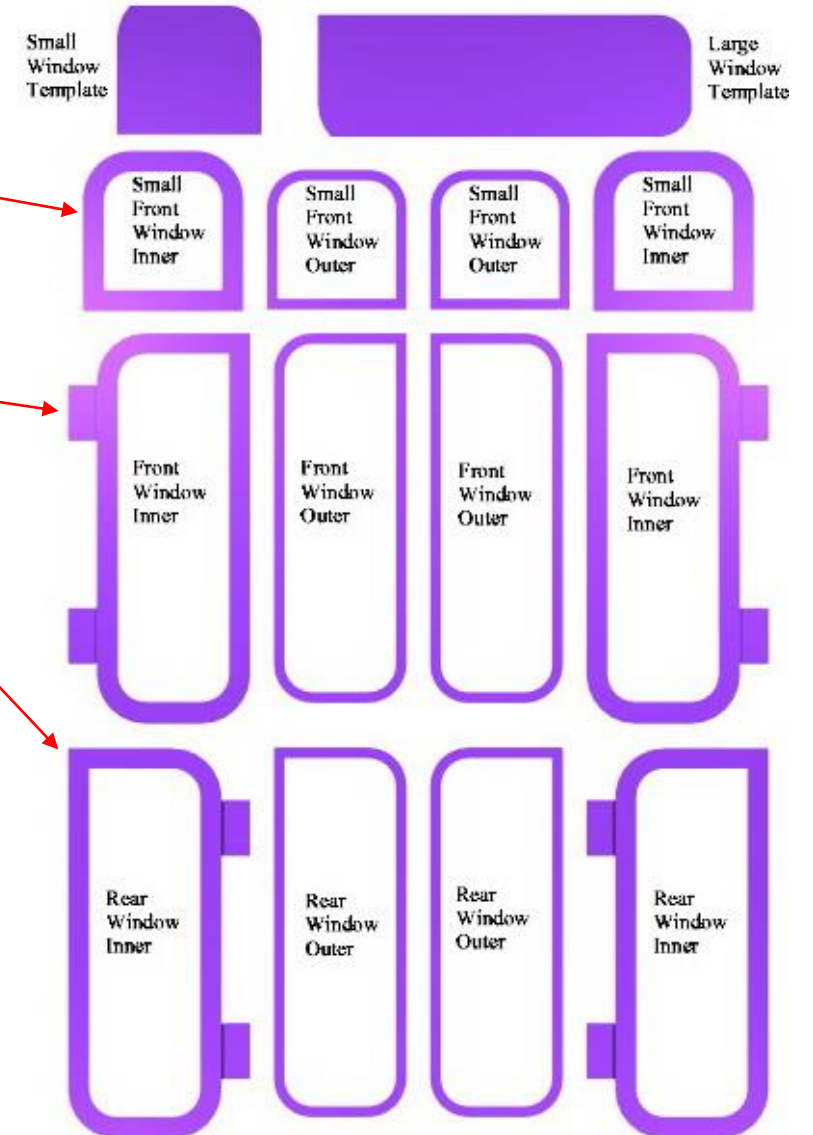
NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _13

The etch is made from 0.3 mm half hard brass and covers all the necessary windows that will be located into the Loco cabin. There are 2 small front windows, 2 large front windows, and 2 large rear windows.

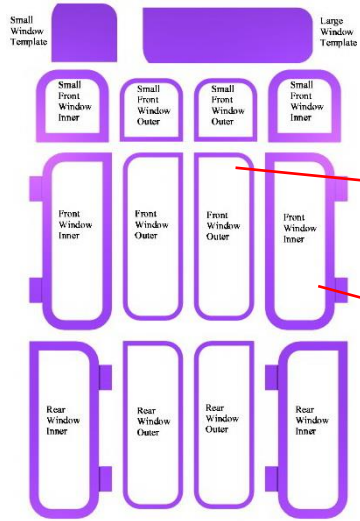
There are also 2 etched brass templates that are used to obtain the window glass for the plastic material included in the kit. The templates cover all of the windows.

The window glass (Thin Film provided with the kit) can be located in place at the last moment and secured with glue. The windows can be left in their natural brass colour and clear coated, or painted in whatever colour that you like. There are cut outs in each window that face the top of the loco, the window glass can be cut out using the templates and fitted into the window frames after the frames have been painted or clear coated.



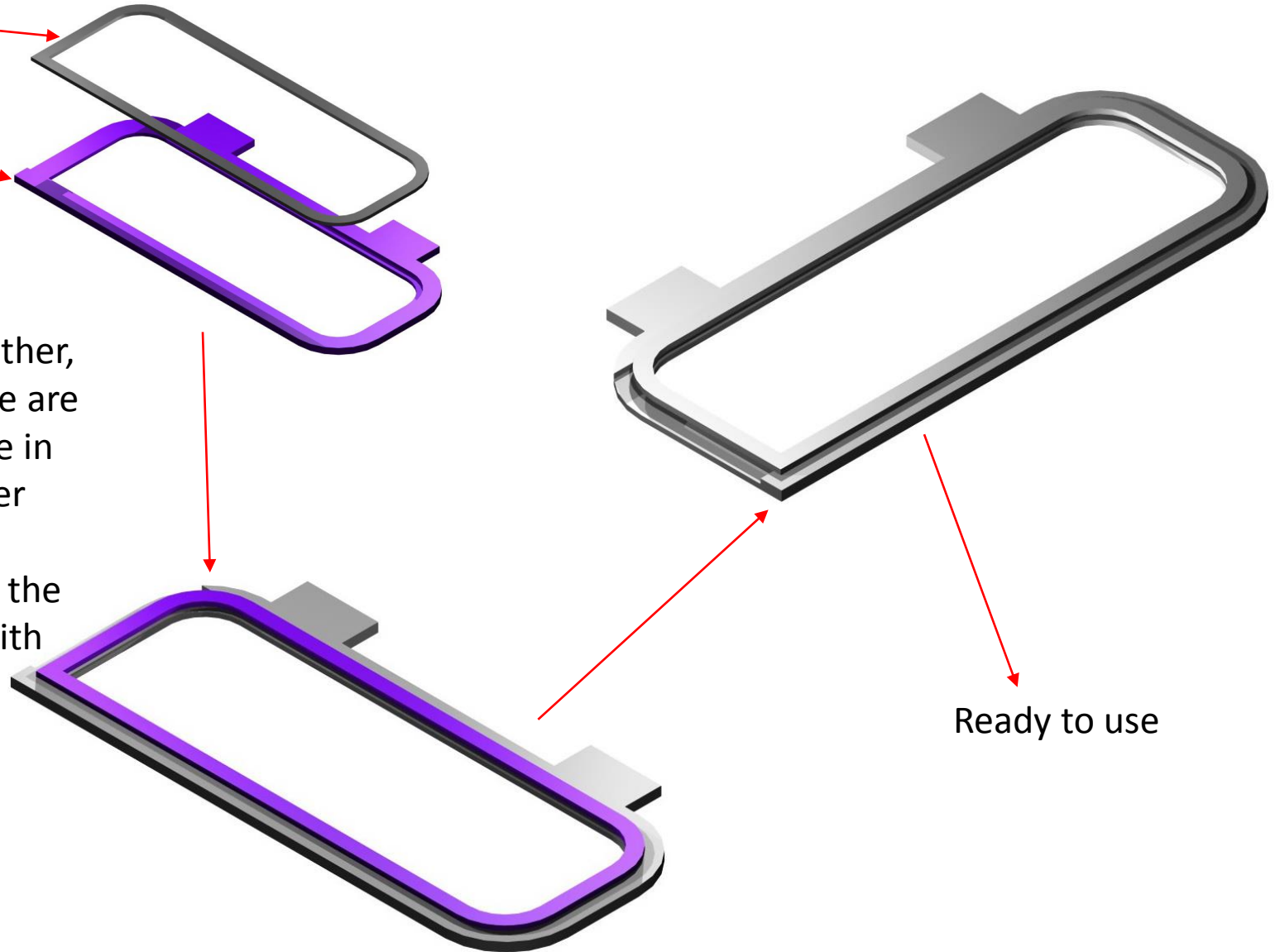
NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _14



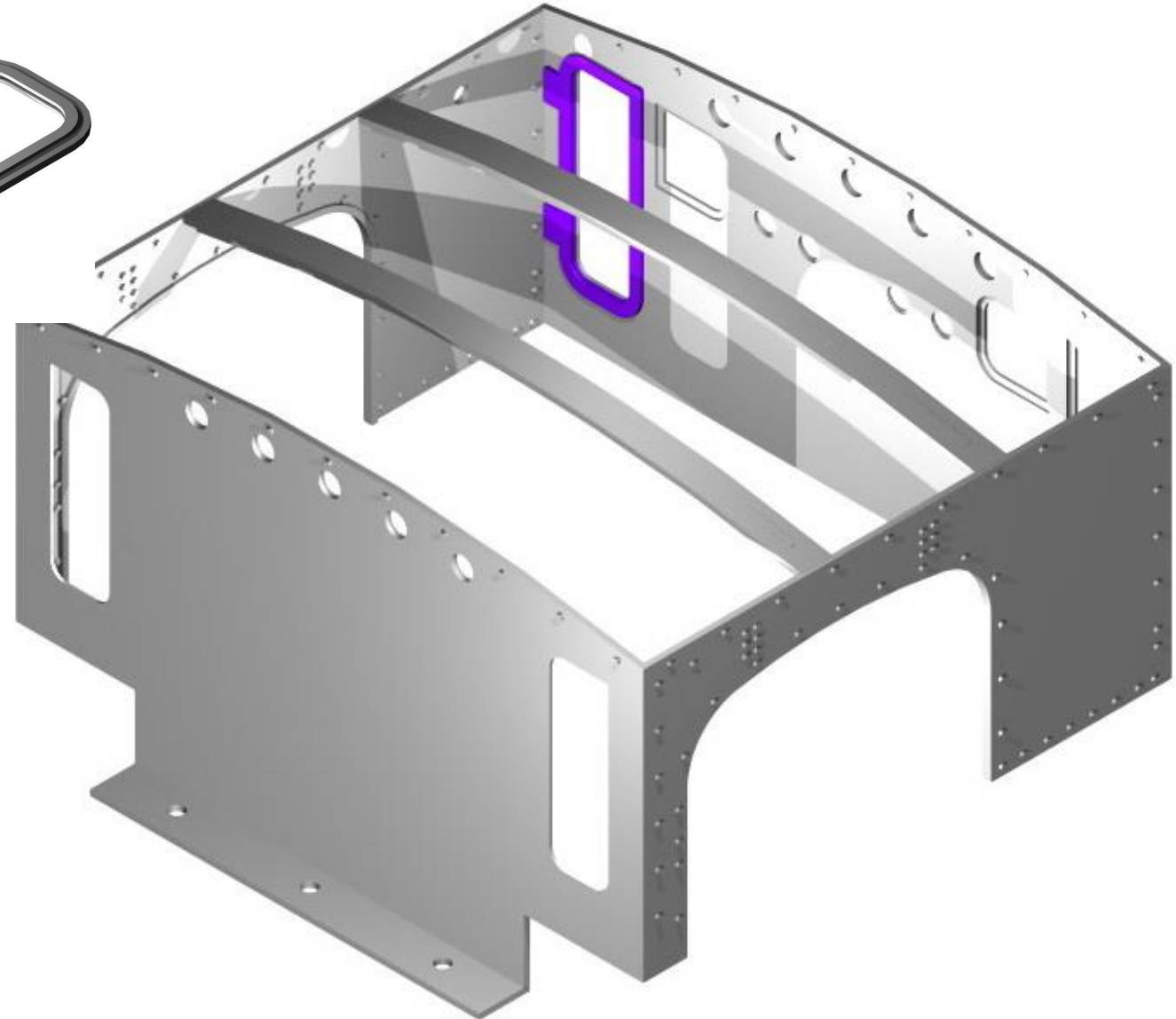
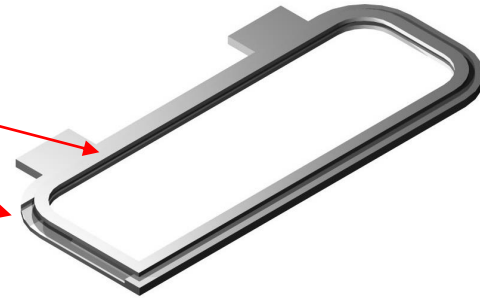
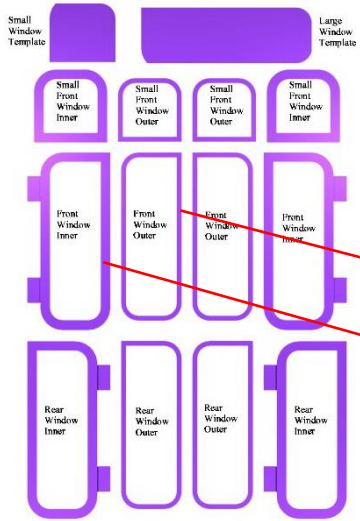
The large front windows are soldered together, you have to line them up manually as there are no actual registration marks. Once they are in the correct location, clamp them and solder them together.

The slot for the window glass should go to the top of the window, as it will not be seen with the roof on the cabin.



NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _15



The etch is made from Nickel Silver and is 0.55 mm thick. The parts are soldered together, after locating using the tabs.

Ensure that the etched parts fit neatly and flush with each other.

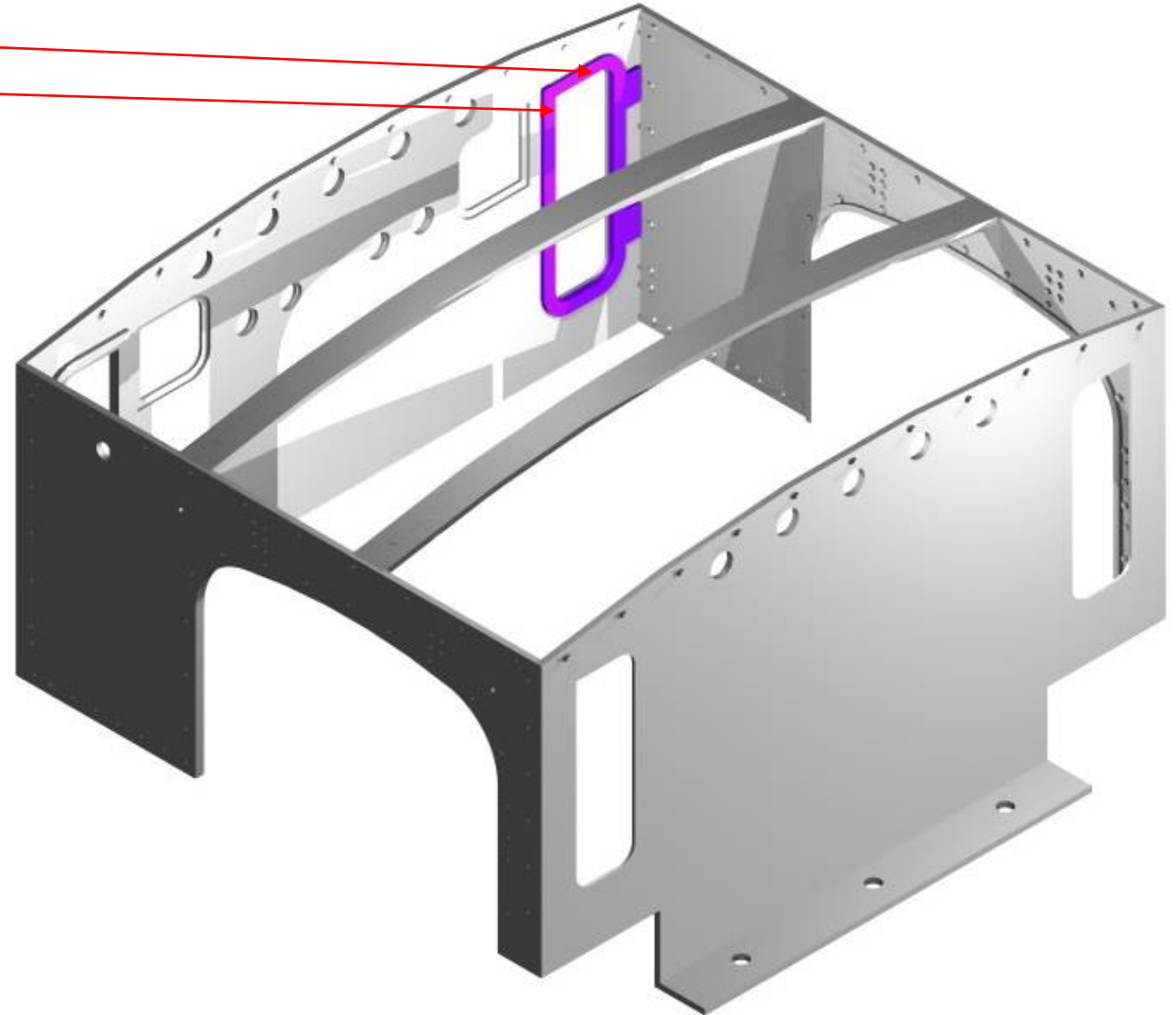
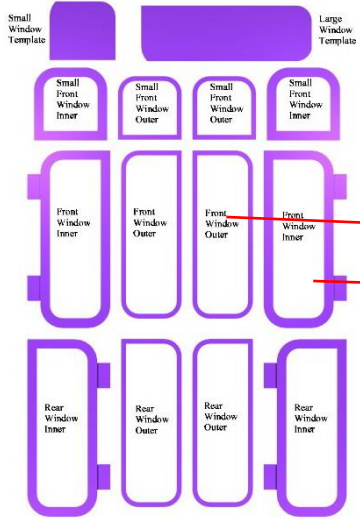
Carefully remove each part from the etch fret with a very sharp

Stainless steel pair of scissors. Remove any excess tab material

And smooth the edge of the etch from any irregularities.

NSWGR Z20 7mm Tank Loco Kit

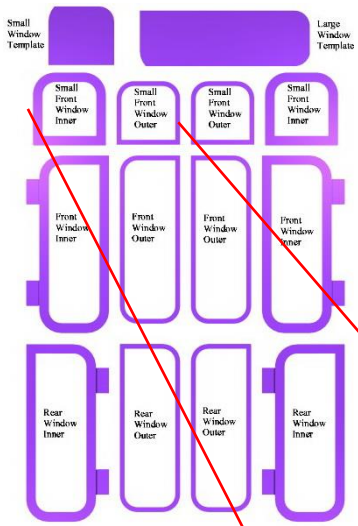
Loco Cab Construction _16



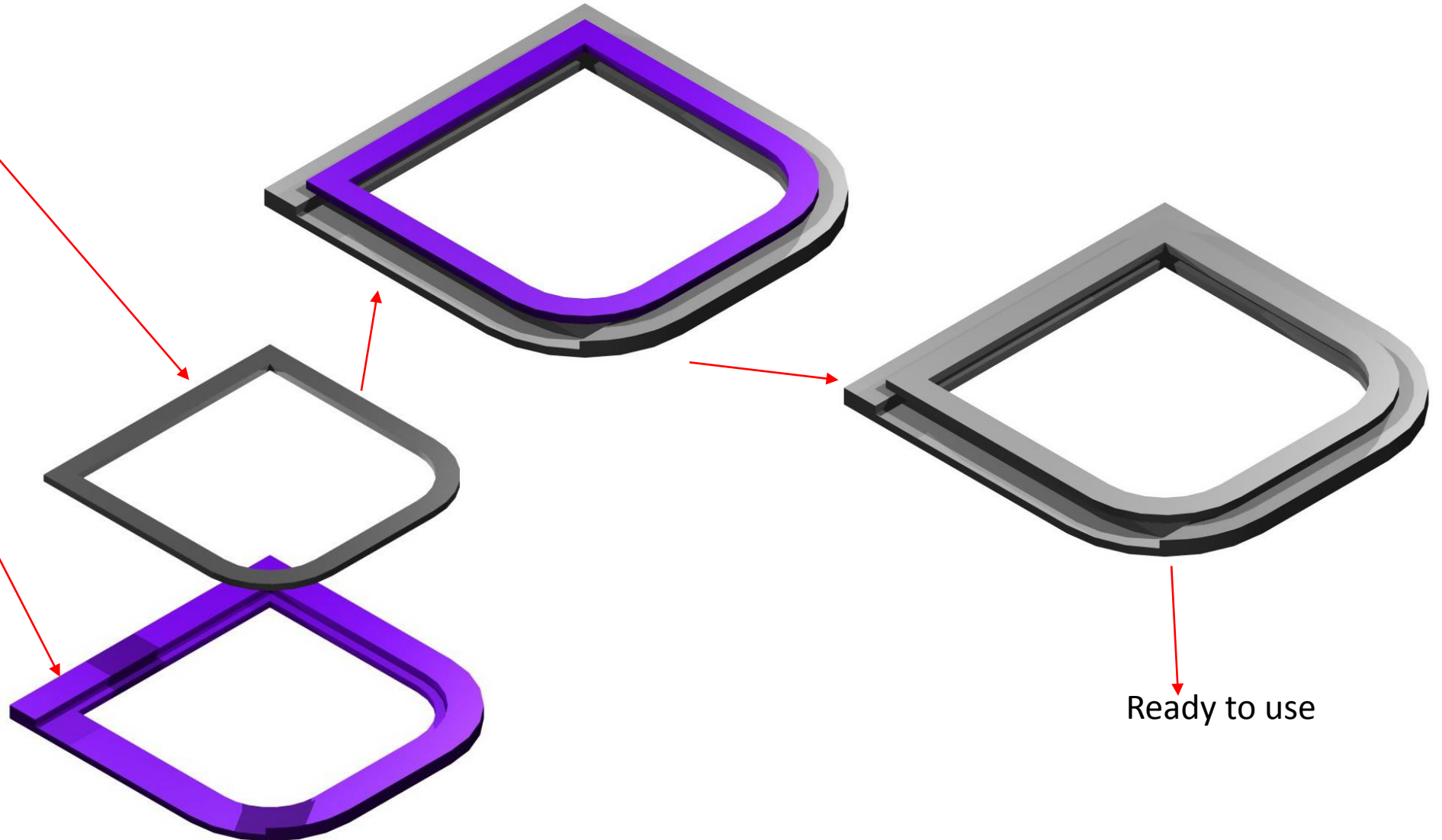
The other window is produced and located into the opposite side of the cabin, just test fit them for now.

NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _17



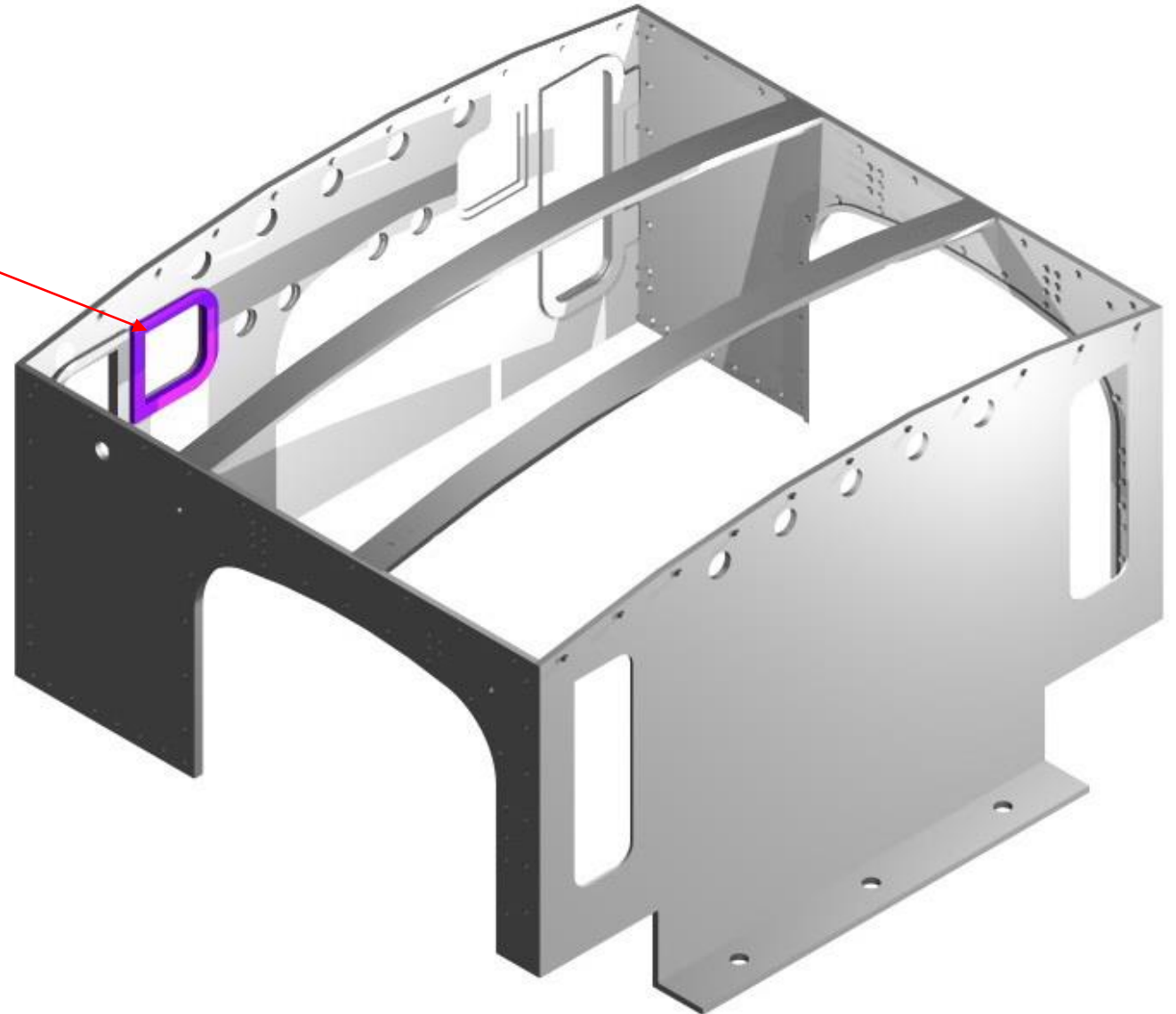
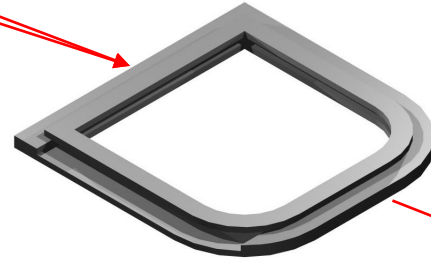
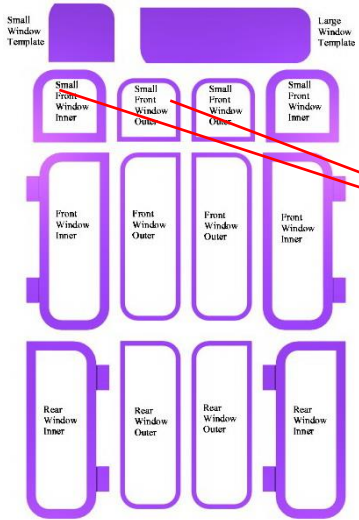
The small window is produced using the same method as the large front window



Ready to use

NSWGR Z20 7mm Tank Loco Kit

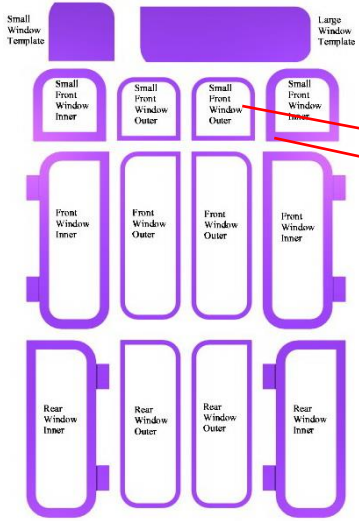
Loco Cab Construction _18



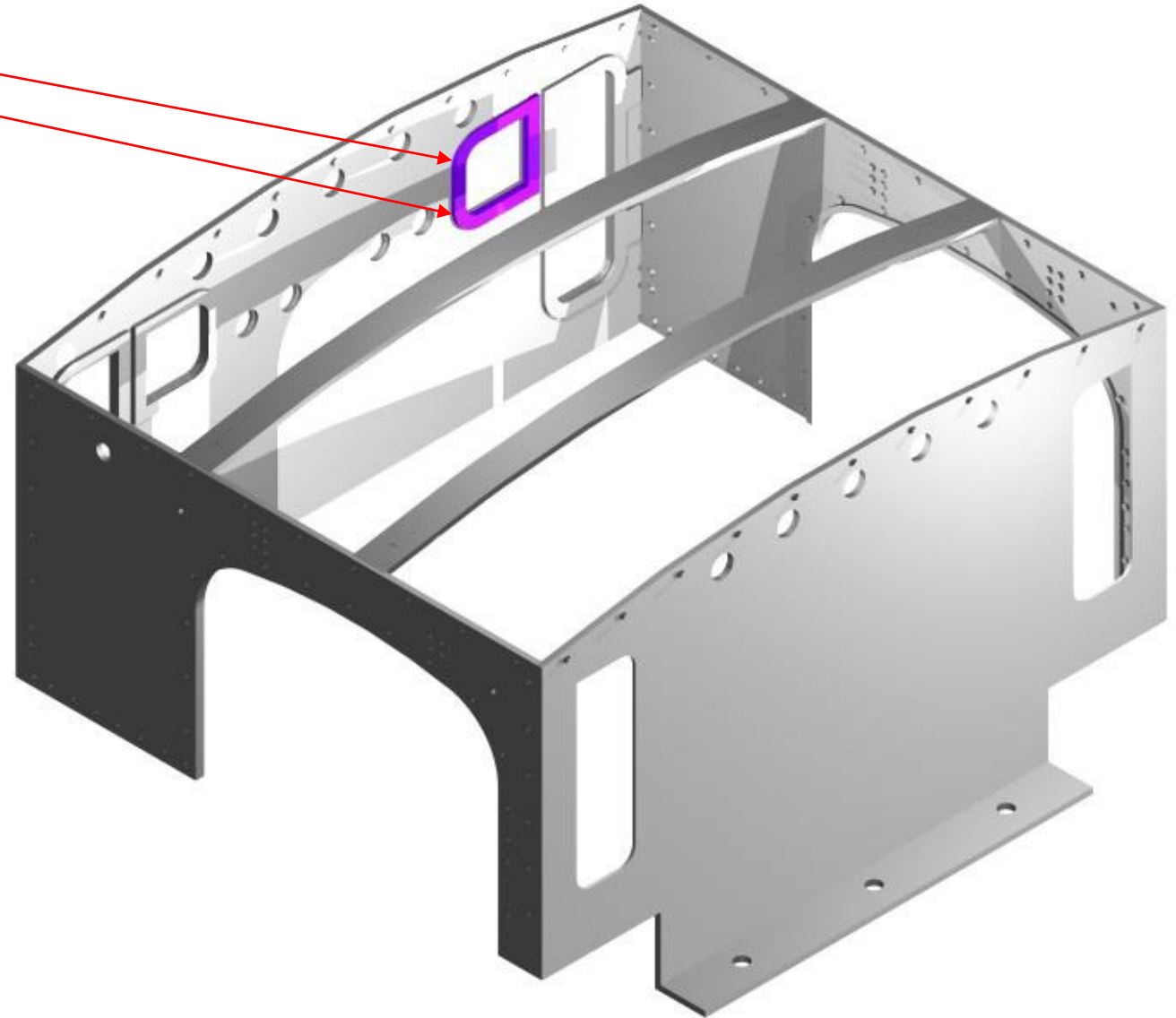
The small front window is dealt with in the same manner as the larger window, and also make sure that the slot for the window glass is at the top of the window.

NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _19

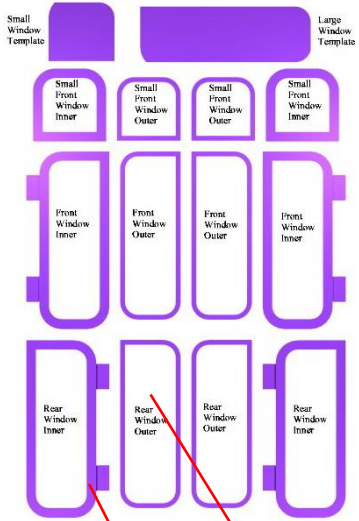


The opposite window is fitted next.

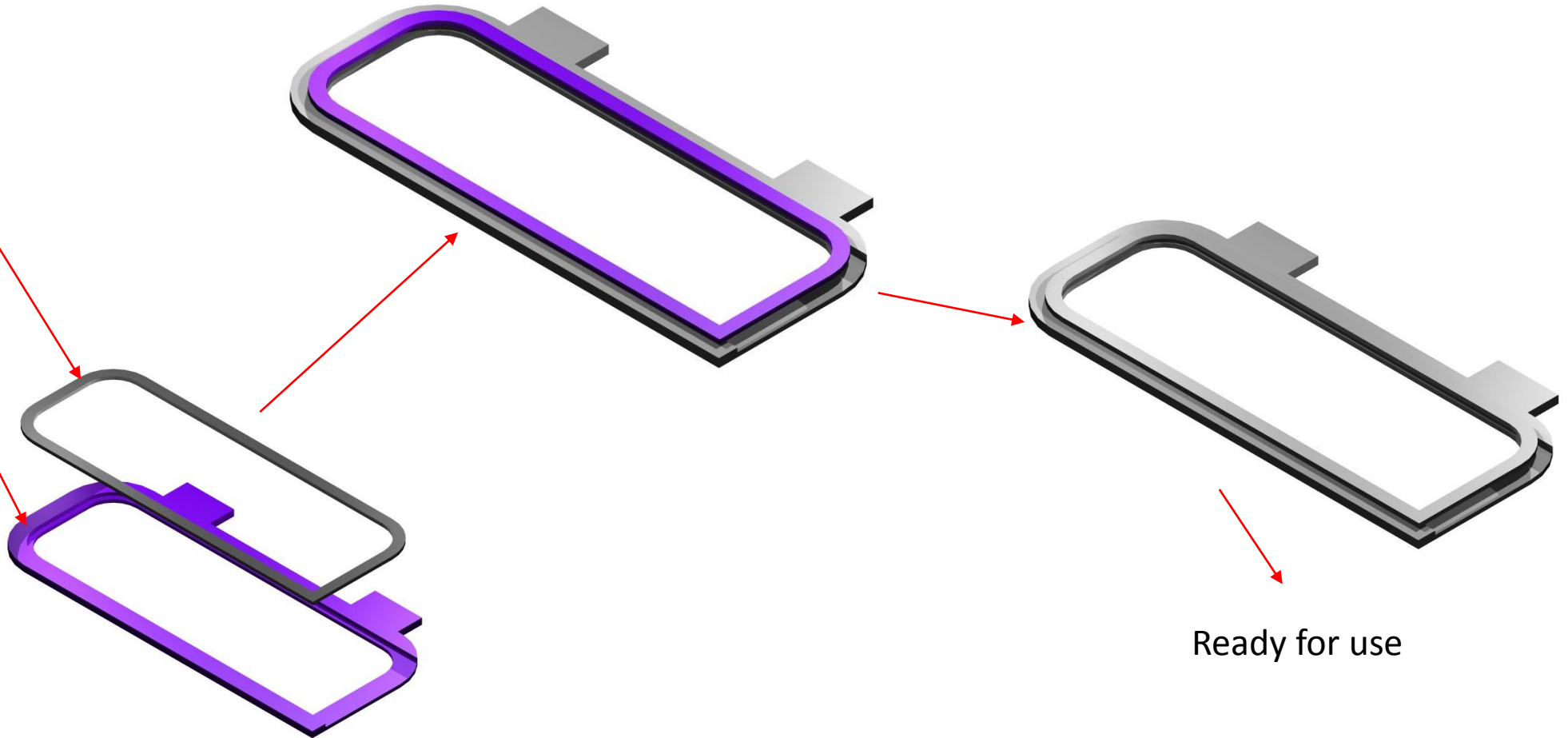


NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _20

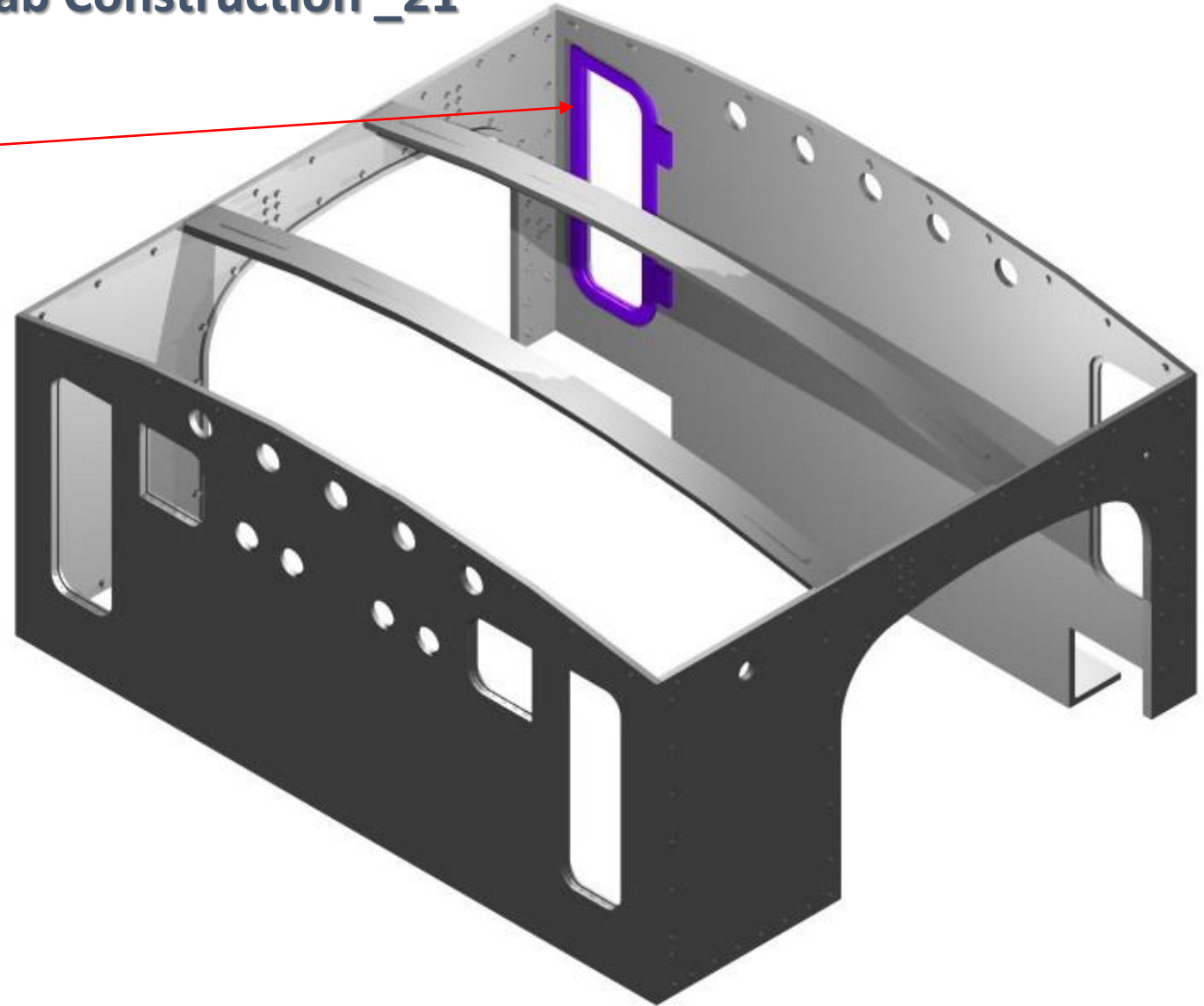
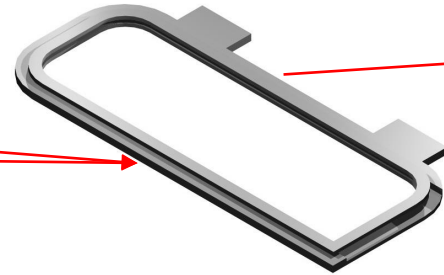
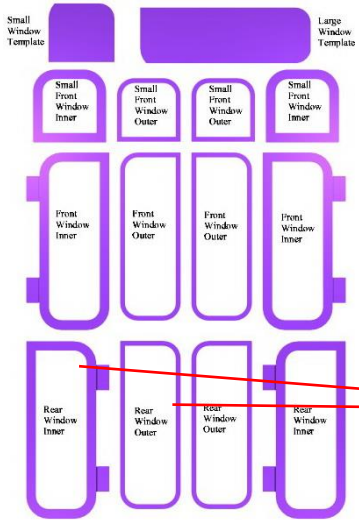


The rear windows are produced and fitted similarly to the other windows



NSWGR Z20 7mm Tank Loco Kit

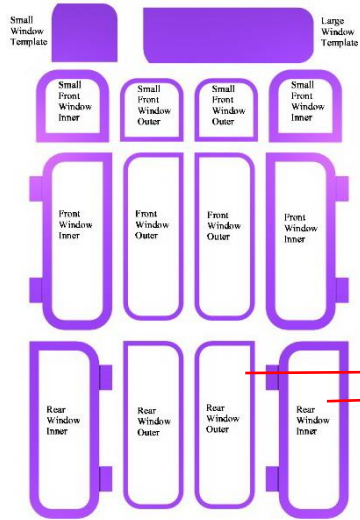
Loco Cab Construction _21



The windows are fitted the same as the others.

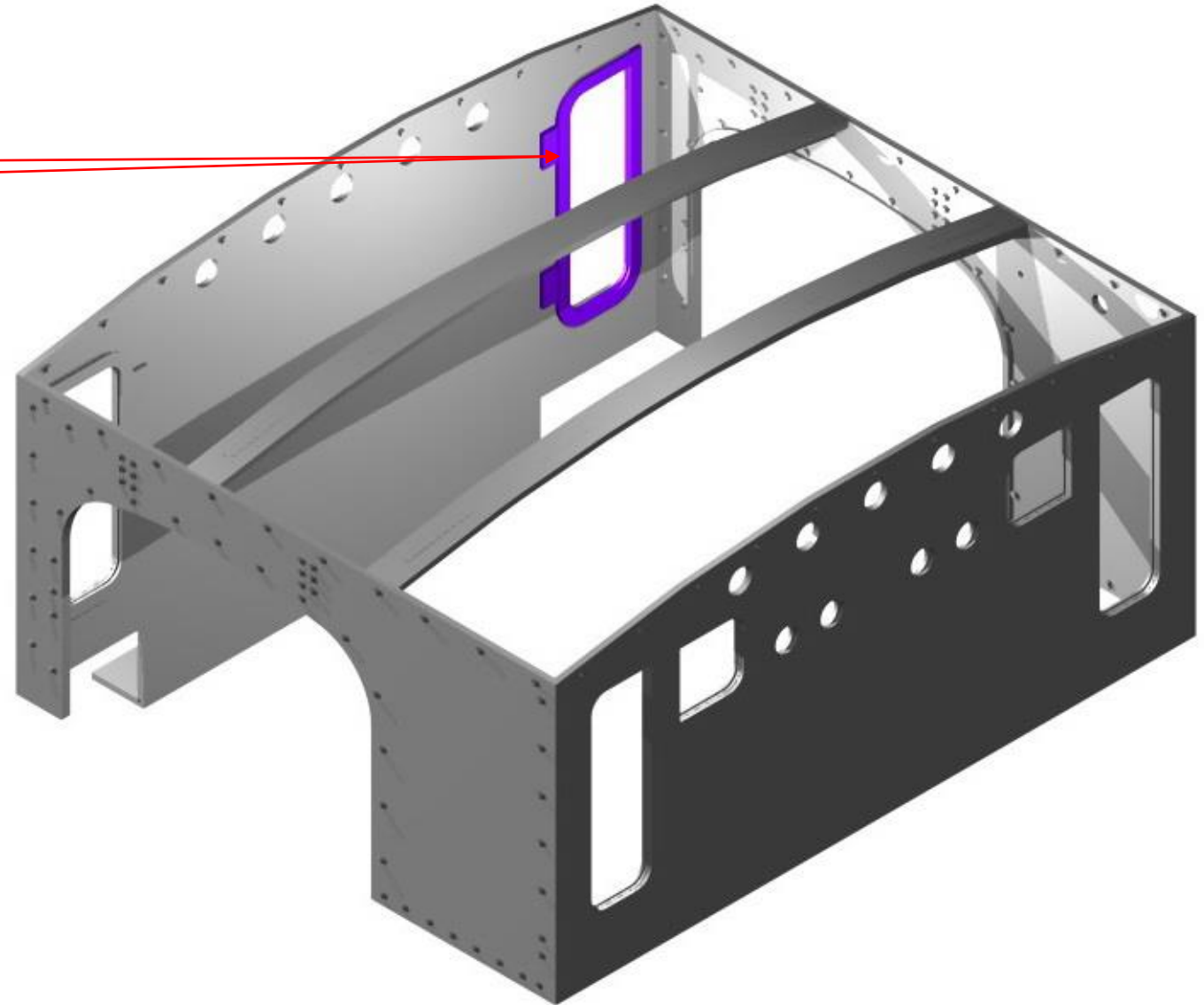
NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _22



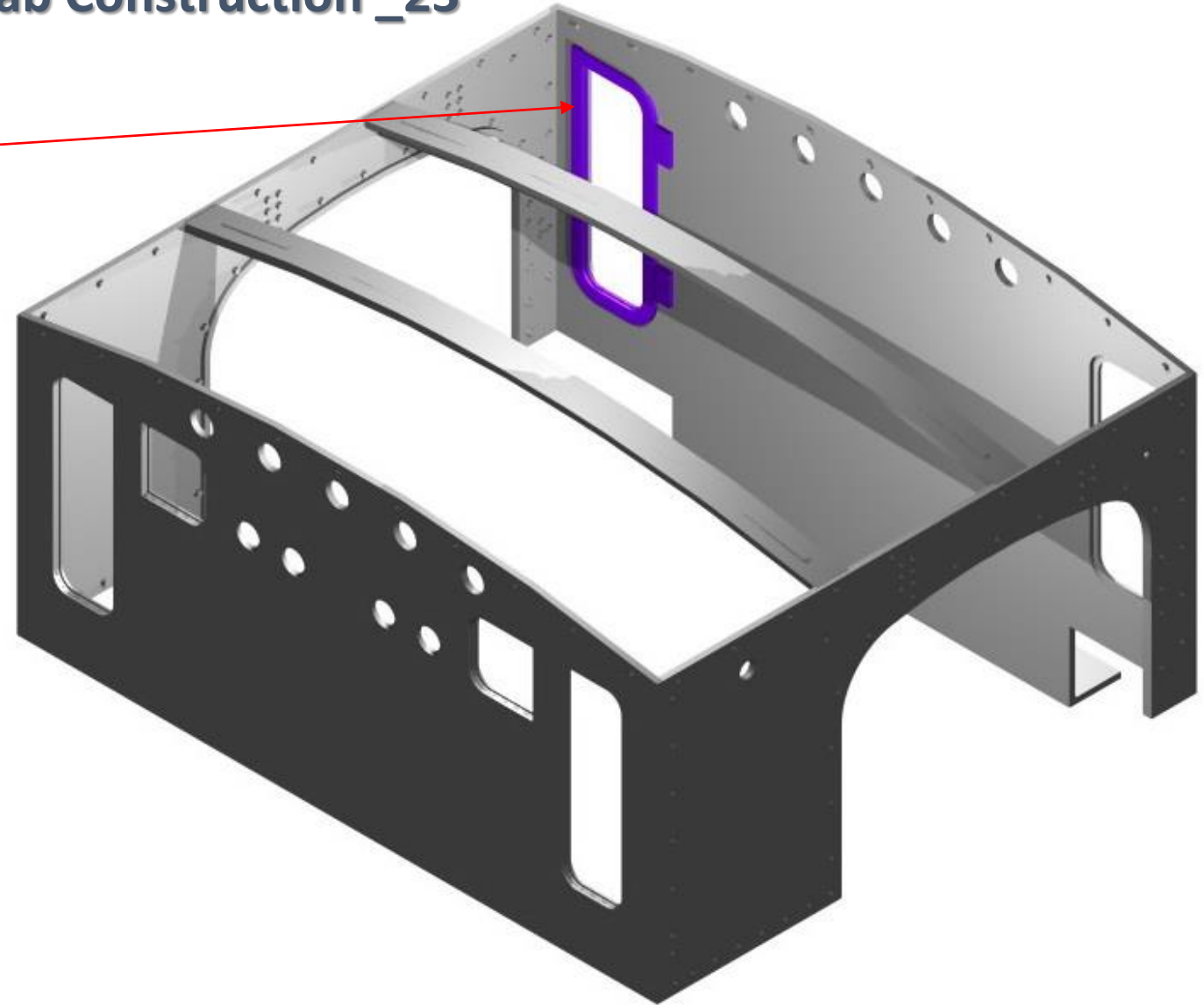
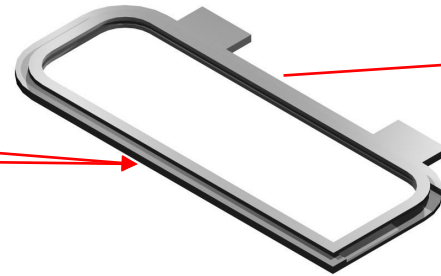
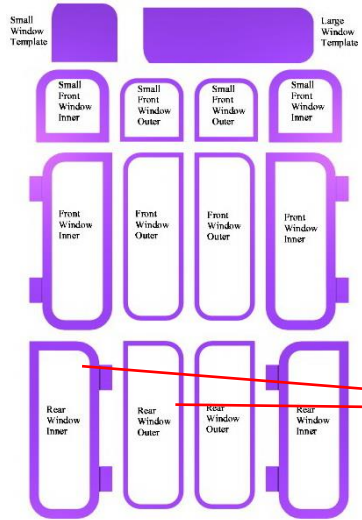
The windows are fitted the same as the others.

This is the last window to be fitted.



NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _23



The windows are fitted the same as the others.

NSWGR Z20 7mm Tank Loco Kit

Loco Cab Construction _24

The completed cabin
just waiting for a roof.

**This is a demo instruction, and not
the final result.**

