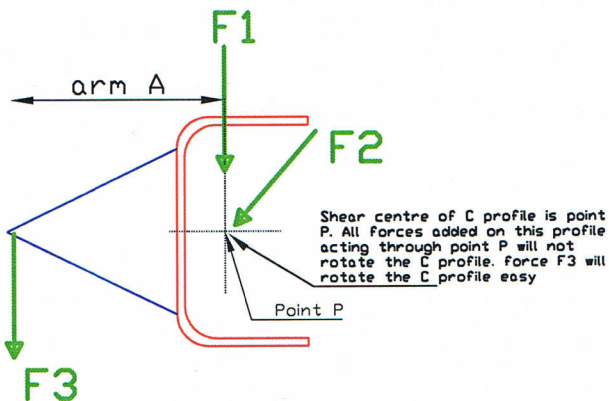
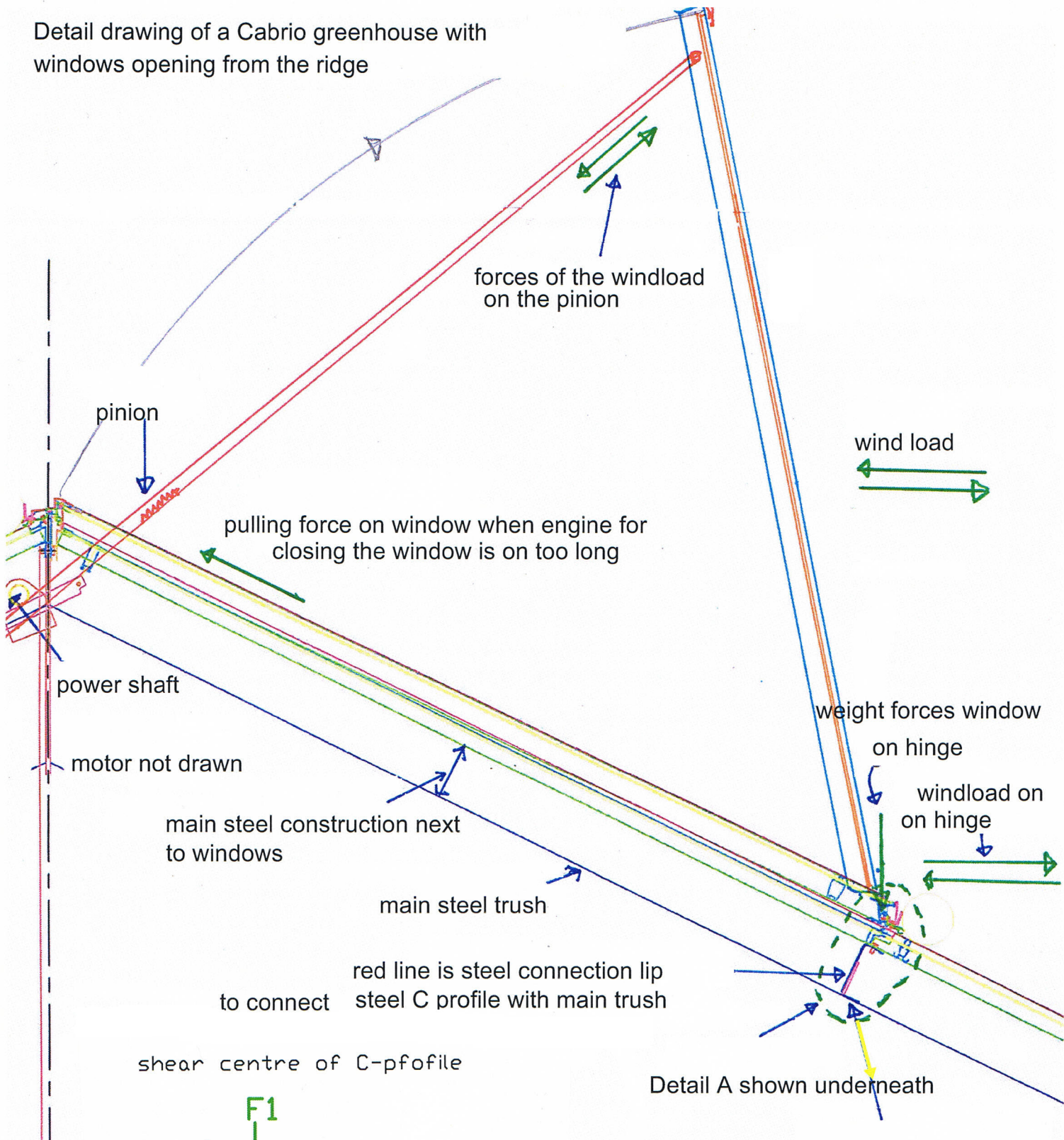


Detail drawing of a Cabrio greenhouse with windows opening from the ridge



steel C profile carries the weight of the opened window

Forces with their vector going through point P will not rotate the torsional weak open profile. the force F3 which has a big arm A to point P will twist the C profile very easy. So a windforce can easy rotate this C profile. Due to the fact that the fixed hinge is connected to this C profile the hinge will also rotate due to windforce on the opened windows. The glass that is slid into this hinge is on other sides stiff connected to the head construction of the greenhouse so this glass cannot rotate or move. Due to the rotation of the hinge the slid in glass can/will break.

A very simple cheap and effective solution can be found on another page of this website.



DETAIL A: Forces on the hinge construction

