Process development of construction details
Reinforced concrete column into rocky ground
Reinforced concrete column into rocky ground with timber cladding on external walls.
Sketch of steel footing anchored directly into rocky ground
Foundation detail of cabin by the quay, steel column bolted into existing stone wall.
Concrete foundation into sandy ground
Process sketch of section through cabin by the quay, investigating insulation in wall and floor slab
Process sketch of section through cabin by the quay, investigating using a steel beam to support cantelivering section,
Process sketch of section through cabin by the quay, investigating deviation of rooms and need for insulation.
Detail of steel beam supporting movable floor slab
Investigating detail of window and sliding door, with the ambition of creating frameless window from the outside.
Detail of steal beam and corner window of movable element and connection to main structure
Investigating sizes of steel elements in cabin by the quay
Implementing cross brasing with steel rods at cabin placed on rocky hill
Investigating implementing cross brasing in steel at cabin placed in sandy ground.
Investigating cross brasing with steel rods at cabin by the quay
Detail of internal corner with steel column placed on the outside allowing floating element to move within U-shaped steel column.
Elevation south west of cabin by the quay with semi high water
Section after making amendments with length and height of the building to allow movable floor to correspond with maximum high tide
Roof detail along long section exploring glulam beam and insulatated roof and insulated external wall, exposing steel column in the inside
Section cut in plan through exterior wall and exposed steel column in the corner of the room
Roof detail of steel beam and glue lam beam with insulated external wall, exposing steel column in the inside
Wall detail investigating overlapping window to allow glass surface to extend beyond timber structure.