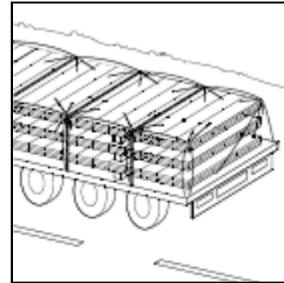


# Important Notes for Handling Cross Laminated Timber (CLT)



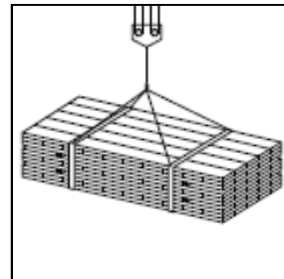
## 1 Transport and Delivery

- Please agree loading sequence with supplier
- During transport the CLT panels need to be protected from moisture and dirt
- Please allow for sufficient site access of the trucks (HGV)
- If panels are stored on site the storage area must have a sufficient bearing capacity and needs to be dry



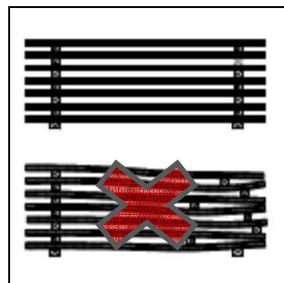
## 2 Lifting and Craneage

- Please agree on lifting system with TimberConcept/supplier prior to production acc. to site/project requirements
- Crane and lifting operations should only be carried out by trained personal
- Follow Health and Safety rules
- Only use sufficient lifting devices according to panel weight and installation guidelines
- Lifting aids need to be checked before use



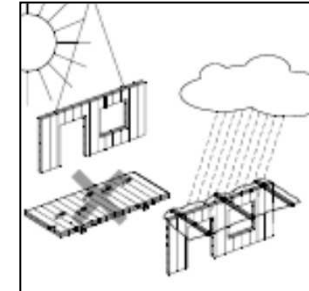
## 3 Site Storage

- Use sufficient bearers/supports
- If stored horizontal align bearers/supports
- Avoid tilting If necessary secure packs
- Remove wrapping foil in order to avoid condensation
- Protect panels through sufficient distance from the ground. If necessary cover with tarpaulins to protect from rain, splash water and raising moisture
- If stored for a longer period of time use additional bearers/supports to avoid deformation due to creeping of CLT



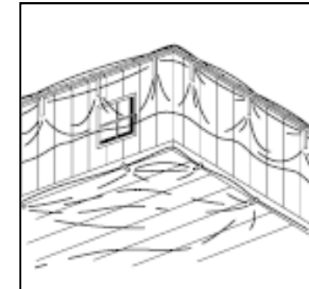
## 4 Panels during Installation

- Please follow installation guideline
- Avoid extreme exposure to water and moisture
- Allow for sufficient temporary weather and moisture protection during installation phase
- Avoid soiling of the panels. If necessary use sufficient protection (e.g. tarpaulins)
- Respect visual surfaces If necessary protect with sufficient covers, tarpaulins etc.



## 5 Protection after Installation

- Allow for sufficient weather and moisture protection
- Avoid steel/metal dust on CLT panels (e.g. from cutting metal parts near CLT. Protect steel parts attached to CLT. Corroding steel might leave marks on CLT surfaces (e.g. lifting aids)
- Protect visual surfaces e.g. by sufficient covers (e.g. tarpaulins)
- Allow for sufficient ventilation to avoid to high dampness (e.g. due to screed or similar work)
- This helps to avoid shrinkage and swelling as well as dis-coloration
- If moisture has affected the panels (e.g. rain, snow etc.) immediately allow for them to gently dry again. Protect if necessary
- Check moisture content with moisture meter. Do not use hot vans to dry



## 6 Subsequent Changes to CLT Panels

- Openings <sup>1</sup>, Cutouts <sup>2</sup> and additional loads <sup>3</sup>
- Conducting of subsequent cutting work on the panels (e.g. for openings, rebates and routings) need to be verified by a structural engineer
- The transfer of additional loads needs to be checked and confirmed by a structural engineer.

