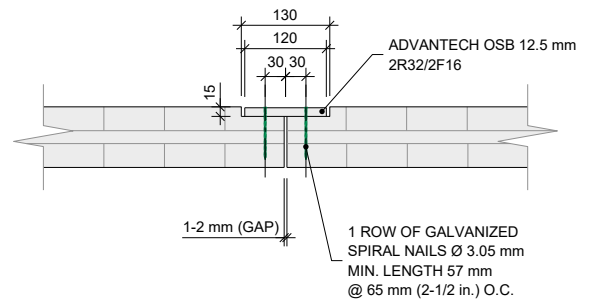
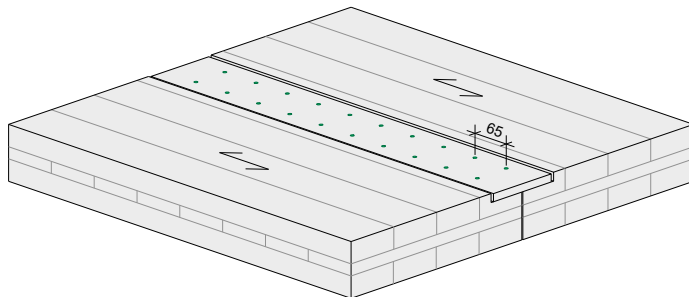
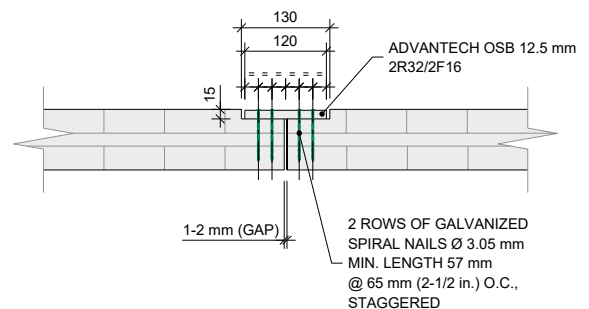
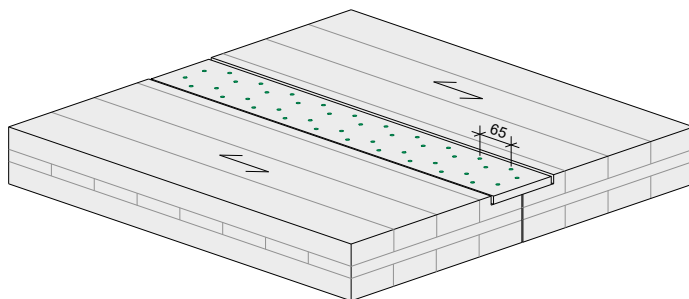


CLT Butt Joint – AdvanTech OSB Spline

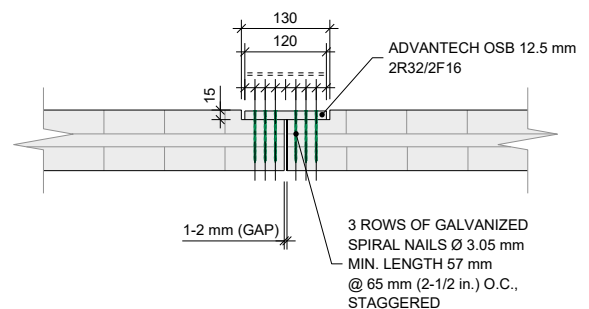
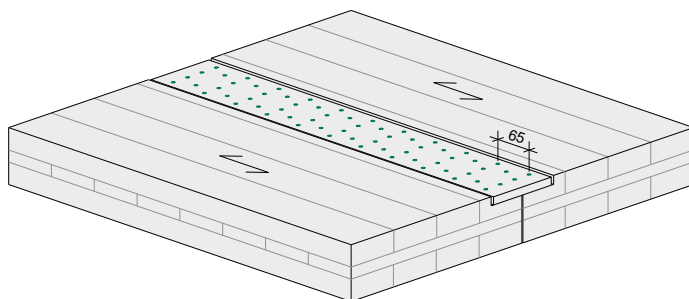
Factored Shear Resistance: 10 kN/m



Factored Shear Resistance: 20 kN/m



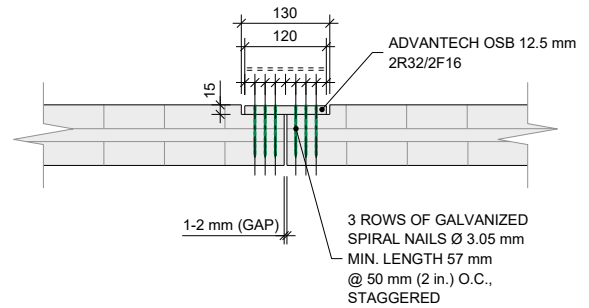
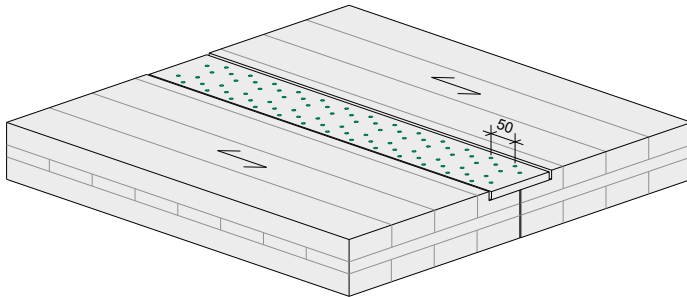
Factored Shear Resistance: 30 kN/m



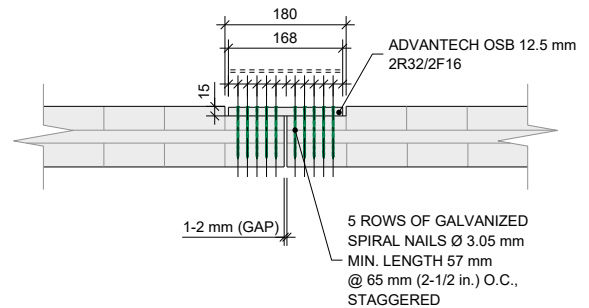
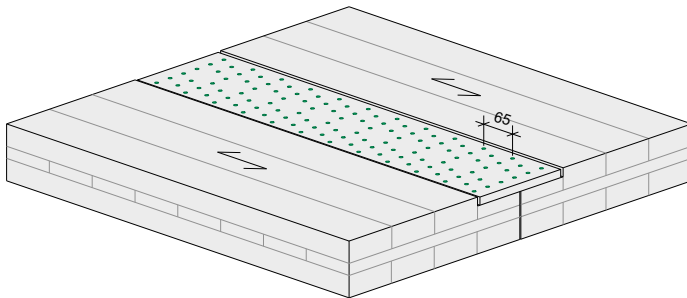
Notes:

1. The factored shear resistances indicated in these details are based on Nordic X-Lam cross-laminated timber (CLT) panels and on AdvanTech OSB splines, installed parallel to the grain of the outer laminations on the panel face of CLT.
2. The factored shear resistances are the lesser of the factored lateral strength resistance of the nailed connection and the factored shear-through-thickness resistance of the spline. Verification of the CLT panels must be carried out separately.
3. The factored lateral strength resistance of the nailed connection and the factored shear-through-thickness resistance of the spline are verified in accordance with CSA O86:19, assuming dry service conditions, short-term duration of load, and an adjustment factor for diaphragm and shearwall construction, J_D , of 1.3.

Factored Shear Resistance: 40 kN/m



Factored Shear Resistance: 50 kN/m



Notes:

1. The factored shear resistances indicated in these details are based on Nordic X-Lam cross-laminated timber (CLT) panels and on AdvanTech OSB splines, installed parallel to the grain of the outer laminations on the panel face of CLT.
2. The factored shear resistances are the lesser of the factored lateral strength resistance of the nailed connection and the factored shear-through-thickness resistance of the spline. Verification of the CLT panels must be carried out separately.
3. The factored lateral strength resistance of the nailed connection and the factored shear-through-thickness resistance of the spline are verified in accordance with CSA O86:19, assuming dry service conditions, short-term duration of load, and an adjustment factor for diaphragm and shearwall construction, J_D , of 1.3.