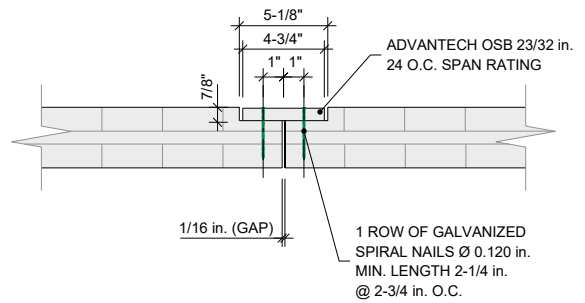
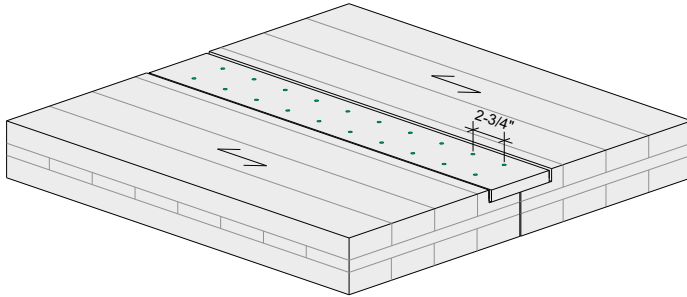
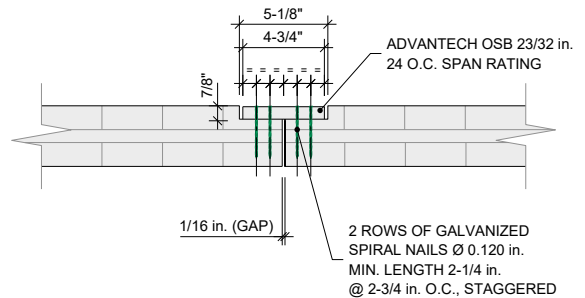
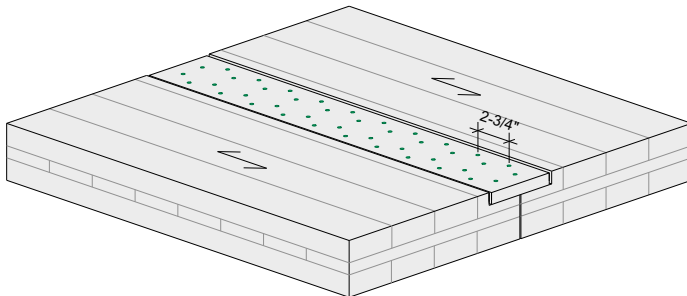


CLT Butt Joint – AdvanTech OSB Spline

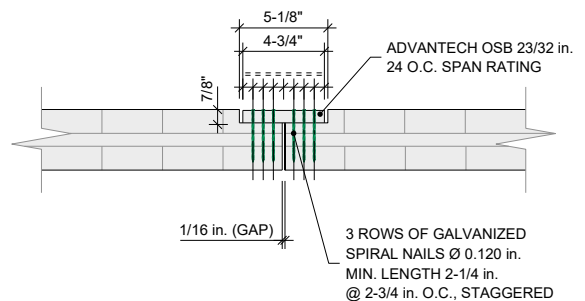
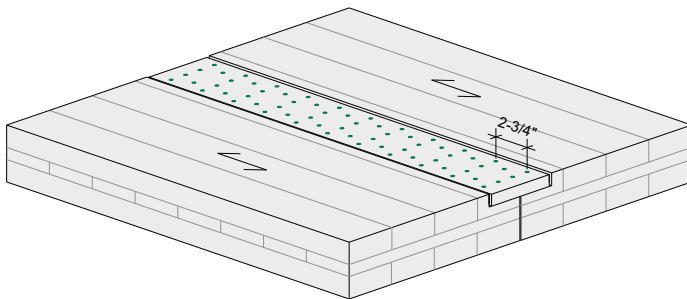
ASD Allowable Shear Capacity: 500 lbf/ft | LRFD Factored Shear Resistance: 700 lbf/ft



ASD Allowable Shear Capacity: 1,000 lbf/ft | LRFD Factored Shear Resistance: 1,400 lbf/ft



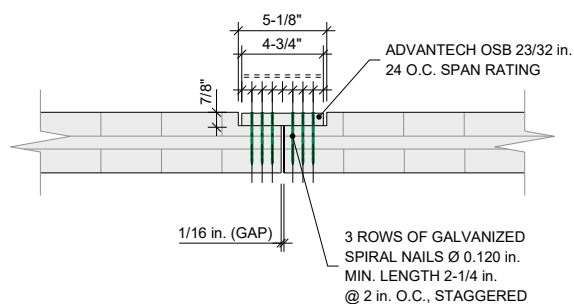
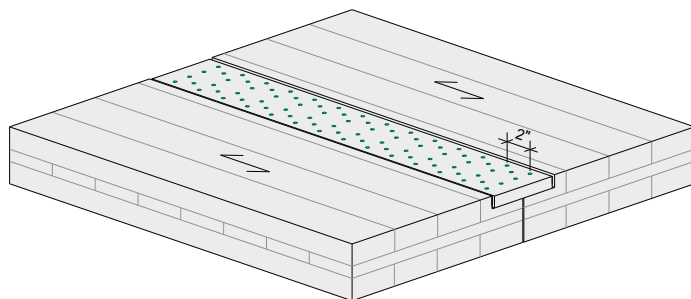
ASD Allowable Shear Capacity: 1,500 lbf/ft | LRFD Factored Shear Resistance: 2,100 lbf/ft



Notes:

1. The shear capacities/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 shear capacities/resistances are the lesser of the lateral capacity/resistance of the nailed connection and the through-the-thickness shear capacity/resistance of the spline. Verification of the CLT panels must be carried out separately.
3. The lateral capacity/resistance of the nailed connection and the through-the-thickness shear capacity/resistance of the spline are verified in accordance with SDPWS 2021 Section 4.5.4, assuming dry service conditions.
4. The shear capacities/resistances indicated in these details are for seismic design forces. For wind design forces, shear capacities/resistances shall be permitted to be multiplied by 1.33.

ASD Allowable Shear Capacity: 2,000 lbf/ft | LRFD Factored Shear Capacity: 2,750 lbf/ft



Notes:

1. The shear capacities/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 shear capacities/resistances are the lesser of the lateral capacity/resistance of the nailed connection and the through-the-thickness shear capacity/resistance of the spline. Verification of the CLT panels must be carried out separately.
3. The lateral capacity/resistance of the nailed connection and the through-the-thickness shear capacity/resistance of the spline are verified in accordance with SDPWS 2021 Section 4.5.4, assuming dry service conditions.
4. The shear capacities/resistances indicated in these details are for seismic design forces. For wind design forces, shear capacities/resistances shall be permitted to be multiplied by 1.33.