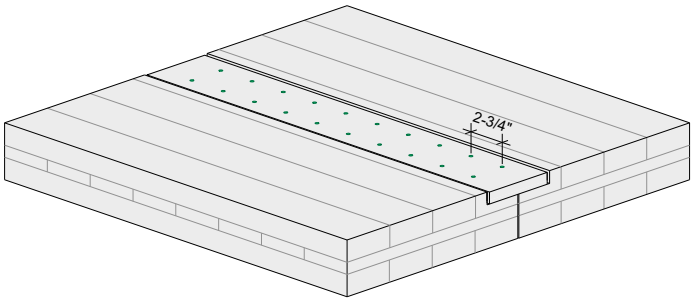
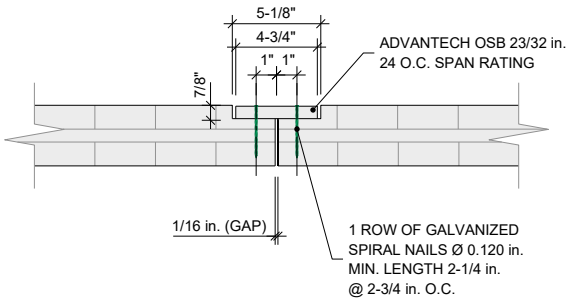
NORDIC STRUCTURES

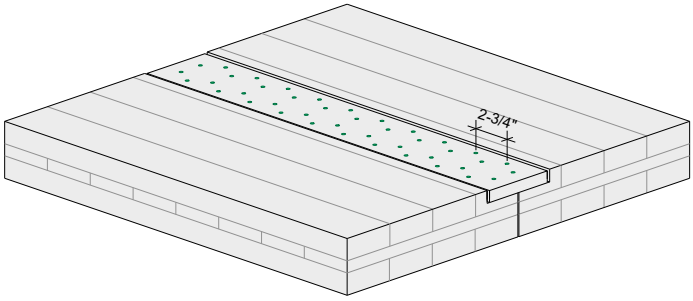
CLT Butt Joint – AdvanTech OSB Spline

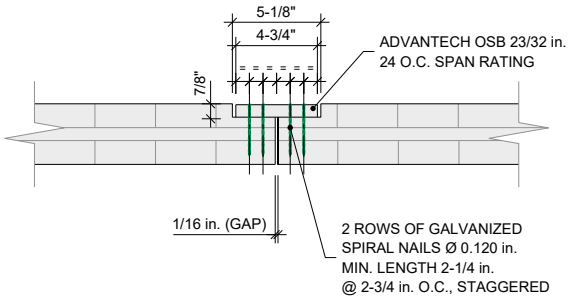
ASD Allowable Shear Capacity: 500 lbf/ft | LRFD Factored Shear Resistance: 700 lbf/ft



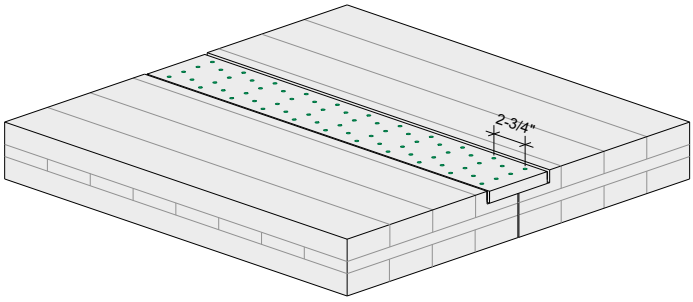


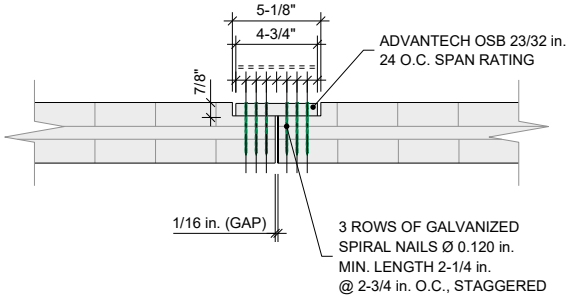
ASD Allowable Shear Capacity: 1,000 lbf/ft | LRFD Factored Shear Resistance: 1,400 lbf/ft





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

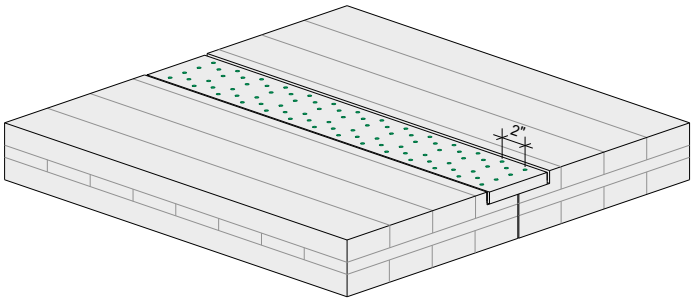


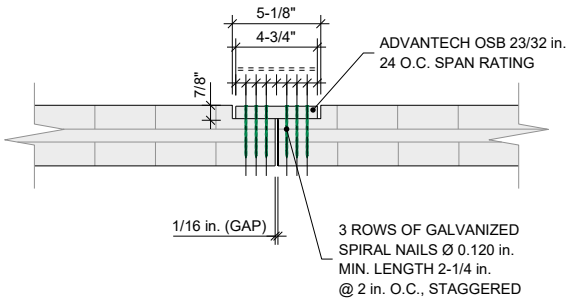


Notes:

1. Shear capacities/resistances are based on the use of AdvanTech OSB splines in dry service conditions.
2. Lateral capacity/resistance of the nailed connection is controlled by Mode III_s or Mode IV fastener yielding, in accordance with SDPWS 2021 Section 4.5.4.
3. Wood elements are designed for 2.0 times the design diaphragm forces, in accordance with SDPWS 2021 Section 4.5.4.
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. Shear capacities/resistances are based on the use of AdvanTech OSB splines in dry service conditions.
2. Lateral capacity/resistance of the nailed connection is controlled by Mode III_s or Mode IV fastener yielding, in accordance with SDPWS 2021 Section 4.5.4.
3. Wood elements are designed for 2.0 times the design diaphragm forces, in accordance with SDPWS 2021 Section 4.5.4.
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.