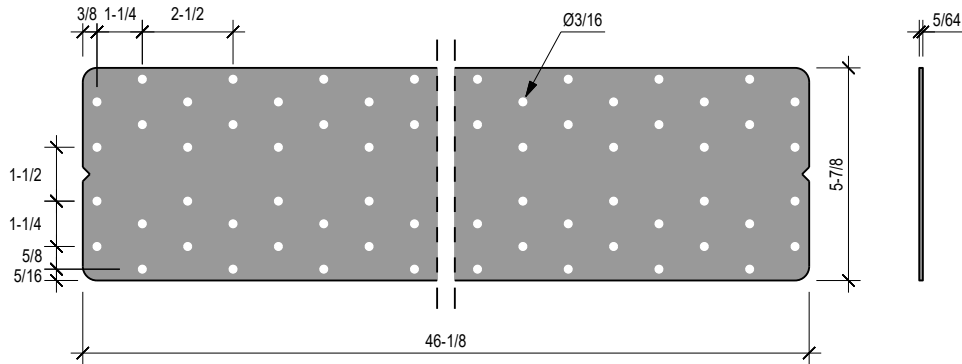
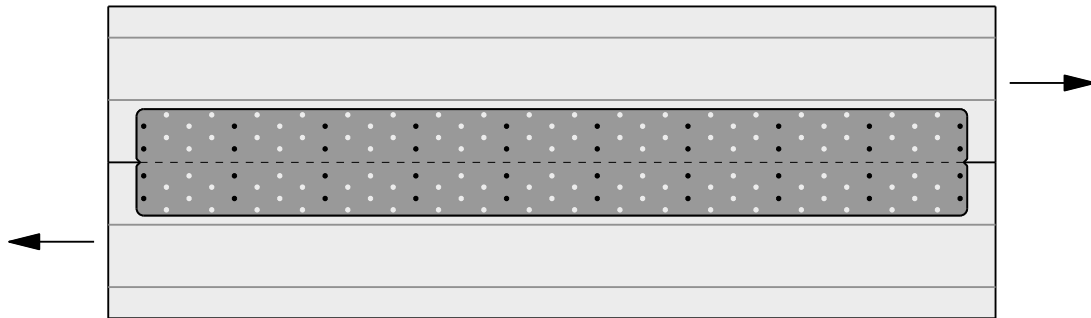


CLT Butt Joint – Hot-Dip Galvanized Steel Spline

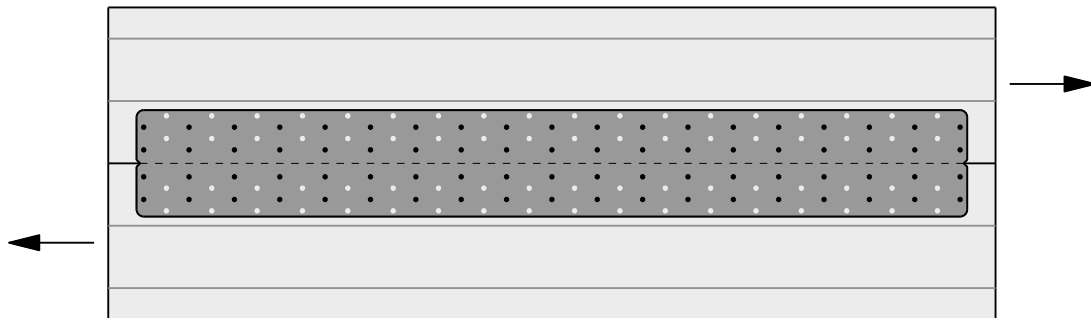
Geometry



ASD Allowable Shear Capacity: 990 lbf/ft | LRFD Factored Shear Resistance: 1,390 lbf/ft | 40 Nails Ø4x60 mm



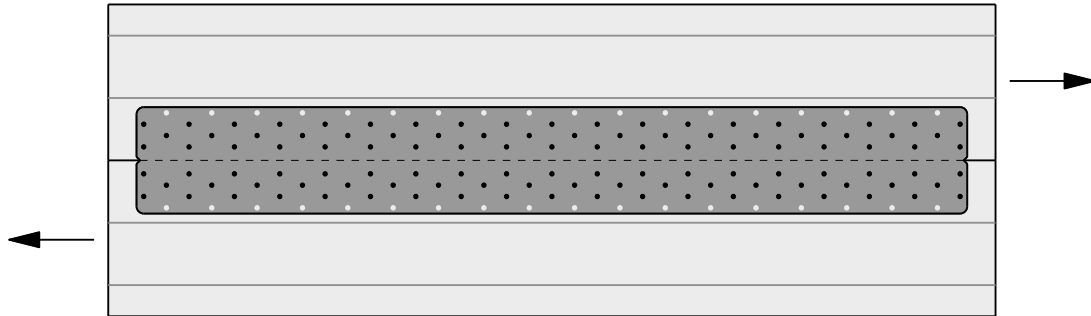
ASD Allowable Shear Capacity: 1,880 lbf/ft | LRFD Factored Shear Resistance: 2,640 lbf/ft | 76 Nails Ø4x60 mm



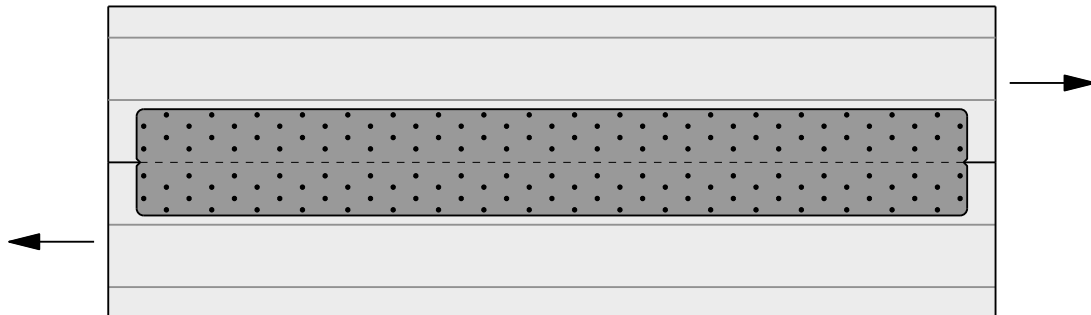
Notes:

1. Shear capacities/resistances are based on Nordic X-Lam cross-laminated timber panels and splines fabricated from S350GD + Z275 hot-dip galvanized steel (EN 10346).
2. Lateral capacity/resistance of the nailed connection is verified in accordance with ANSI/AWC SDPWS-2021 Section 4.5. The steel spline is verified in accordance with ANSI/AISC 360-22.
3. Verification of the cross-laminated timber panels must be carried out separately.

ASD Allowable Shear Capacity: 2,780 lbf/ft | LRFD Factored Shear Resistance: 3,890 lbf/ft | 112 Nails Ø4x60 mm



ASD Allowable Shear Capacity: 3,670 lbf/ft | LRFD Factored Shear Resistance: 5,140 lbf/ft | 148 Nails Ø4x60 mm



Notes:

1. Shear capacities/resistances are based on Nordic X-Lam cross-laminated timber panels and splines fabricated from S350GD + Z275 hot-dip galvanized steel (EN 10346).
2. Lateral capacity/resistance of the nailed connection is verified in accordance with ANSI/AWC SDPWS-2021 Section 4.5. The steel spline is verified in accordance with ANSI/AISC 360-22.
3. Verification of the cross-laminated timber panels must be carried out separately.