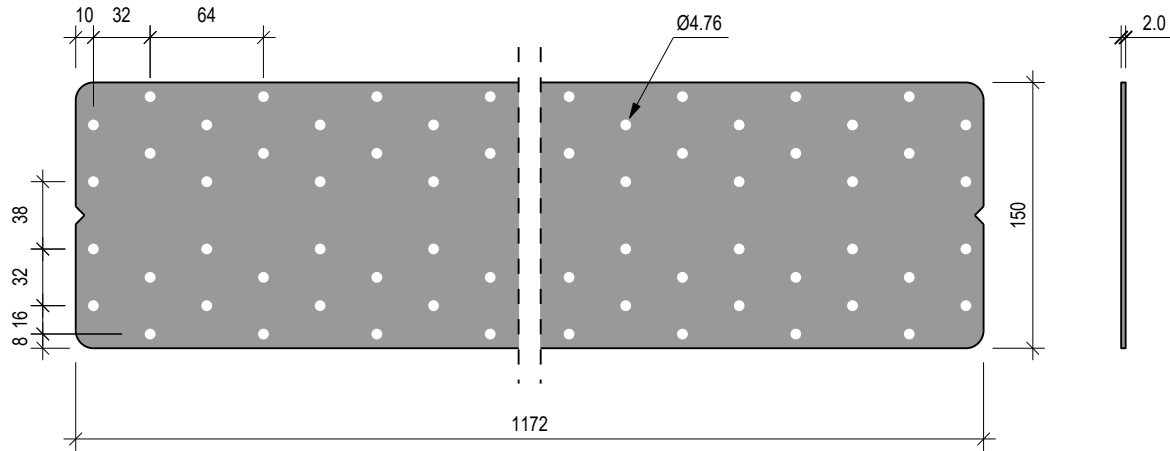
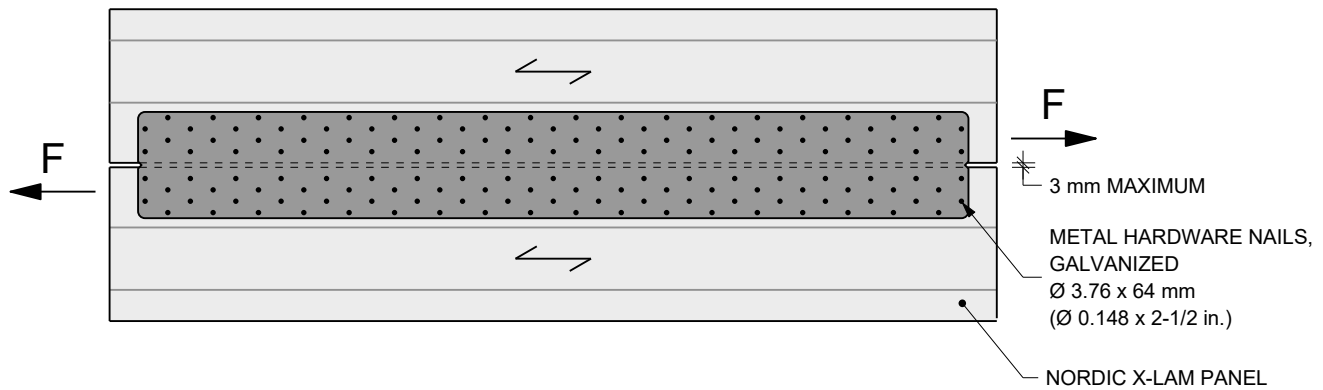


CLT Butt Joint – Hot-Dip Galvanized Steel Spline

Geometry



Factored Shear Resistance: $F = 85 \text{ kN}$



Notes:

1. The factored shear resistance is based on Nordic X-Lam cross-laminated timber (CLT) panels and a spline fabricated from S350GD + Z275 hot-dip galvanized steel (EN 10346), installed parallel to the grain of the outer laminations on the panel face of CLT.
2. The factored shear resistance is the lesser of the factored lateral strength resistance of the nailed connection and the factored resistance of the steel spline. Verification of the CLT panels must be carried out separately.
3. The factored lateral strength resistance of the nailed connection is 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 1.0.
4. The steel spline is verified in accordance with AISI S100-16 (R2020).