

DOWEL INTO WOOD ANALYSIS

INPUTS

SHEAR STRESS

$R_u =$

ADJUSTMENT FACTORS

$C_D =$ (LOAD DURATION FACTOR)

$C_M =$ (WET SERVICE FACTOR)

$C_t =$ (TEMPERATURE FACTOR)

DOWEL FASTENER SIZE

$D =$ in

CENTER TO CENTER SPACING

$S =$ in

WOOD FASCIA SIZE 2x6 SYP

$b_f =$ in $d_f =$ in

END DISTANCE

$d_e =$ in

END GRAIN FACTOR

$C_{eg} =$ in

DIAPHRAGM FACTOR

C_{di} = in

TOE NAIL FACTOR

C_{tn} = in

LOAD ANGLE

θ = deg

OUTPUTS

YIELD MODE	CAPACITY
I _m	<input type="text" value="384.54484501751904"/>
I _s	<input type="text" value="190"/>
II	<input type="text" value="170.6302369409794"/>
III _m	<input type="text" value="276.50468089809675"/>
III _s	<input type="text" value="241.01795602035006"/>
IV	<input type="text" value="340.8487038307154"/>
Z' =	<input type="text" value="273.0083791055668"/>
R _u /Z' =	<input type="text" value="0.4089984357469971"/>