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Mass Timber Connections

Referenced Projects

General Connection Considerations

Beyond Code Approaches

Deep Beam Notches

Glued In Rod Connections

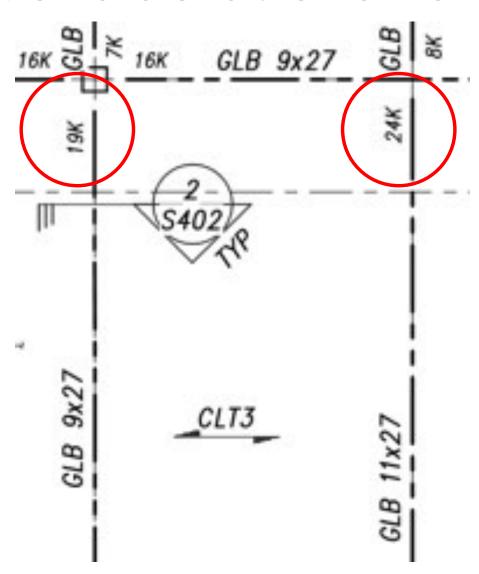


LOADING DOCK





High Loads



Aesthetics





Fire Ratings



Interface With Other Materials





High Loads Parallel to Grain





Shrinkage



Lateral Loads



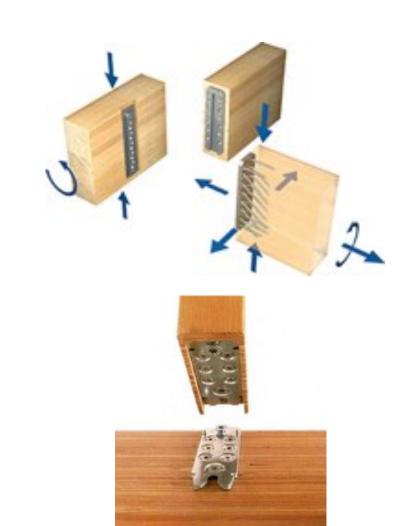




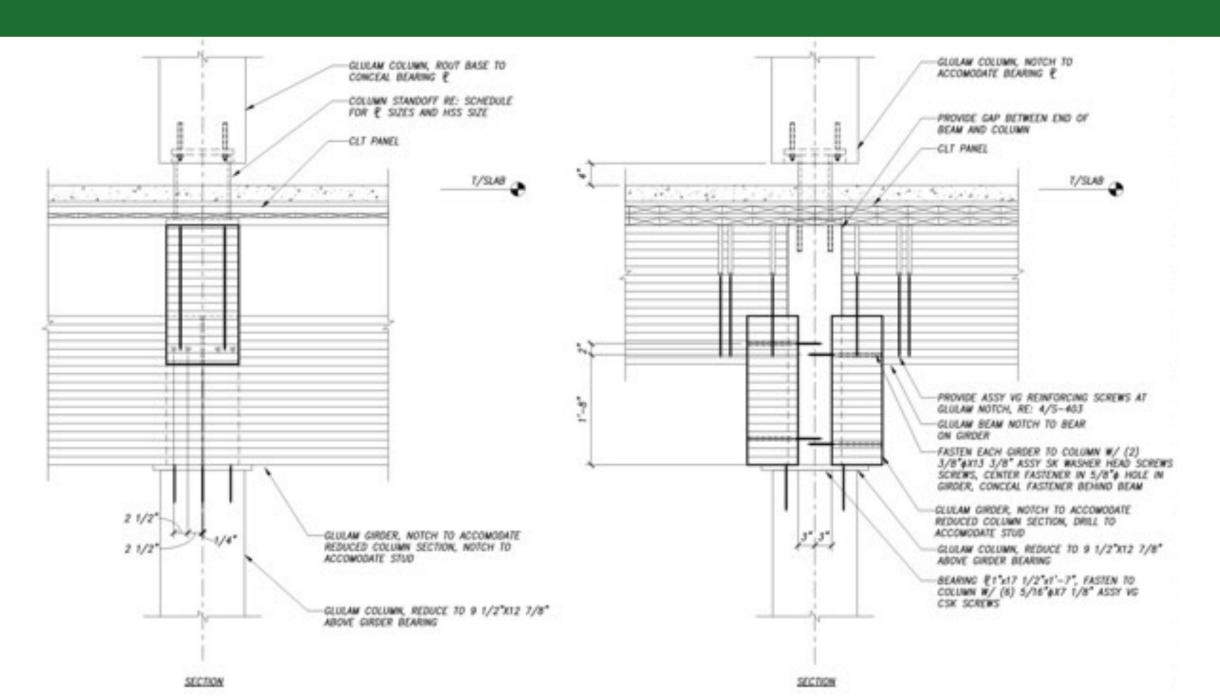
Cost



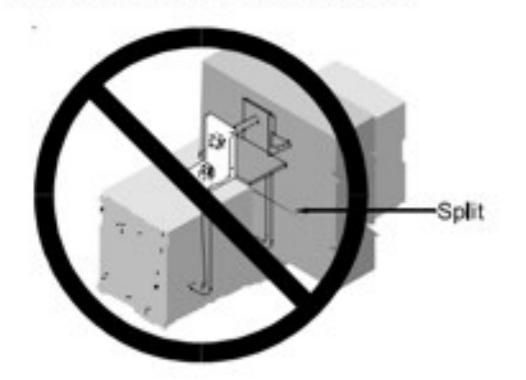








33A. Notching a beam at its bearing may cause splits. THIS DETAIL IS NOT RECOMMENDED!



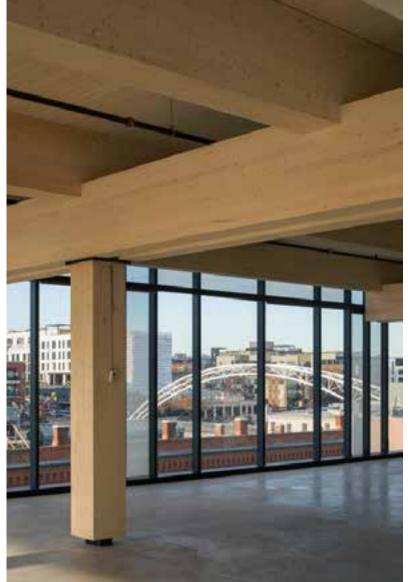
Where a notch on the tension face cannot be avoided (Figure 4), the depth of a tension side notch is limited to a maximum of 1/10 the depth of the member, not to exceed 3 inches. The design shear reaction at the notch must be limited by Equation 11:

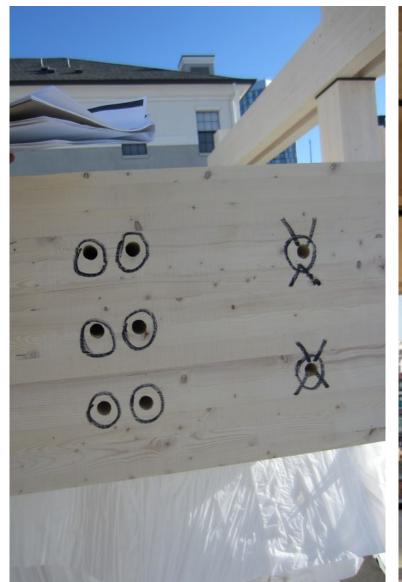
$$R_{i} \leq \frac{2bd_{e}F_{i}C_{D}C_{M}C_{i}C_{w}}{3} \left(\frac{d_{e}}{d}\right)^{2}$$

$$0.9d \quad Min. \quad dw$$

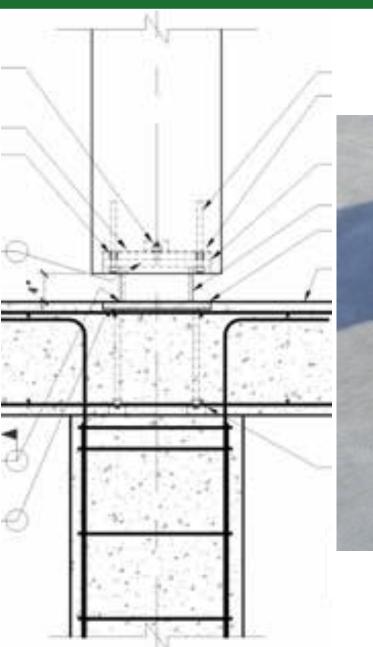
$$Drill 1 in. diameter hole$$
Cut from beam face to hole.

Figure 4. End bearing notch detail





BOW SIX	MOTOR DOTTO: "De"	306WS	# or sources	
(2,875/25.25	E+4.3/4"	ASSY VE CIE. B/16"x17"		
REALING NO	8'45.50"	ARRY NE CHI AMIN'ST	- 4	
IF 5.25+25.25	8'43,34"	WITH ME CAL TURNEY.		
NR 7.3549.75	45-0.5W*	ARRY NO CHE SANDARY		
BUT SUBMIT	\$0+0.0/Q*	40 MW 30MM 400	10/9	
C SCHEDULE -	1	W. Washington		
	8. 1/2° 0.		- CONTRACT	O PLAN OF RC ARCH IN AC PLAN NO NECK FRICTON IN ACCT NO CYL SC T/SCAR











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Chris Kendall (EOR)

ckendall@klaa.com