

AUTHORIZATION TO MARK

In recognition of its compliance with PFS TECO's policies, the manufacturer listed below is authorized to mark their product(s) with the following certification mark.



Manufacturer: Mercer International (Mercer Mass Timber)
Spokane Valley, Washington

PFS TECO Plant No.: 917

Product: Cross-Laminated Timber (CLT)

Product Description: **Mercer 1.4V grade** (PRG 320 V2 grade)
3-, 5-, 7-, and 9-layer CLT made from No. 1/No. 2 Spruce-pine-fir (SPF) lumber in all longitudinal layers and No. 3 SPF lumber in all transverse layers, or Douglas Fir-Larch (DF-L) lumber alternatives that meet or exceed the SPF lumber values

Mercer 1.8M grade (PRG 320 custom grade)
3- and 5-layer CLT made from 2100f-1.8E SPF MSR lumber in all longitudinal layers and No. 3 SPF lumber in all transverse layers, or DF-L lumber alternatives that meet or exceed the SPF lumber values

— *List of approved products on next page. Consult with manufacturer regarding applications and associated design properties.*

Standard: ANSI/APA PRG 320-2019, *Standard for Performance-Rated Cross-Laminated Timber*

Authorized by:

Issue Date: January 14, 2022

A handwritten signature in black ink that reads 'Steven A. Verhey'.

Steven A. Verhey
Technical Director
Building Products Division

List of Approved Products

Mercer Mass Timber

Spokane Valley, WA

Plant No. 917

Cross-Laminated Timber (CLT)

CLT Grade	CLT Layout Designation	Thickness t_p (in.)	Lamination Thickness in CLT Layout (in.)										
			=	⊥	=	⊥	=	⊥	=	⊥	=		
1.4V	CLT3-082	3.24	1.08	1.08	1.08								
	CLT3-090	3.54	1.18	1.18	1.18								
	CLT3-090T	3.54	1.08	1.38	1.08								
	CLT3-097	3.84	1.38	1.08	1.38								
	CLT3-100	3.94	1.38	1.18	1.38								
	CLT3-105	4.14	1.38	1.38	1.38								
	CLT5-137	5.40	1.08	1.08	1.08	1.08	1.08						
	CLT5-150	5.91	1.18	1.18	1.18	1.18	1.18						
	CLT5-152T	6.00	1.08	1.38	1.08	1.38	1.08						
	CLT5-160	6.30	1.38	1.08	1.38	1.08	1.38						
	CLT5-175	6.90	1.38	1.38	1.38	1.38	1.38						
	CLT7-222	8.76	1.38	1.08	1.38	1.08	1.38	1.08	1.38				
	CLT7-245	9.66	1.38	1.38	1.38	1.38	1.38	1.38	1.38				
	CLT9-285	11.22	1.38	1.08	1.38	1.08	1.38	1.08	1.38	1.08	1.38		
CLT9-315	12.42	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38		
1.8M	CLT3-097	3.84	1.38	1.08	1.38								
	CLT3-105	4.14	1.38	1.38	1.38								
	CLT5-160	6.30	1.38	1.08	1.38	1.08	1.38						
	CLT5-175	6.90	1.38	1.38	1.38	1.38	1.38						