

August 30, 2022

Trumark Homes 1108 NW Woodbury Dr. Grain Valley, Mo 64029

RE: Field Issue of non-continuous deck posts for Lot # 153 4708 NE Freehold Dr. Lee's Summit, MO 64064

Three covered deck posts are noncontinuous.

Recommended modifications:

- Install (2) 24" length CS-16 straps on sides of non-continuous post per manufacturer's spec's.
- Shim gaps between posts with like material.

Γ	Model No.	Total L	Ga.	DF/SP		SPF/HF		Allowable	0-4-
				Fasteners	End Length	Fasteners	End Length	Tension Loads (160)	Code Ref.
ľ	CMST12	40'	12	(74) 16d	33"	(84) 16d	38"	9,215	14. L3, FL
L				(86) 10d	39"	(98) 10d	44"	9,215	
7	CMST14	5216	14	(56) 16d	26"	(66) 16d	30"	6,490	
				(66) 10d	30"	(76) 10d	34"	6,490	
	CMSTC16	54'	16	(50) 16d sinker	20"	(58) 16d sinker	25"	4,585	
	CS14	100'	14	(26) 10d	15"	(30) 10d	16"	2,490	
				(30) 8d	16"	(36) 8d	19"	2,490	
, [CS16	150'	16	(20) 10d	11"	(22) 10d	13"	1,705	
'L				(22) 8d	13"	(26) 8d	14"	1,705	
7	CS18	200'	18	(16) 10d	9"	(18) 10d	11"	1,370	
				(18) 8d	11"	(22) 8d	12"	1,370	
•	CS20	250'	20	(12) 10d	6"	(14) 10d	9"	1,030	
L				(14) 8d	9"	(16) 8d	9"	1,030	
•	CS22	300	22	(10) 10d	7"	(12) 10d	7"	845	
				(12) 8d	7"	(14) 8d	8"	845	

stener quantities and end lengths are calculated using an increase for wind or seismic loading e half of the required nails in each member being connected to achieve the listed loads. cutate the connector value for a reduced number of nails as follows:

Allowable Load = $\frac{\text{No. of Nalls Used}}{\text{No. of Nalls In Table}} \times \text{Table Load}$

le: CMSTC16 in DF/SP with 40 nails total. the nails in each member being connected)

e Load = 40 Nalls (Used) x 4,585 lb. = 3,668 lb.

Sincerely,

Bradley Huxol, PE

