

Weight  
 3.19 lbs./ft.  
 Moment of Inertia  
 .598 in.<sup>4</sup>  
 Section Modulus  
 .520 in.<sup>3</sup>

## #218 Bulb Tees

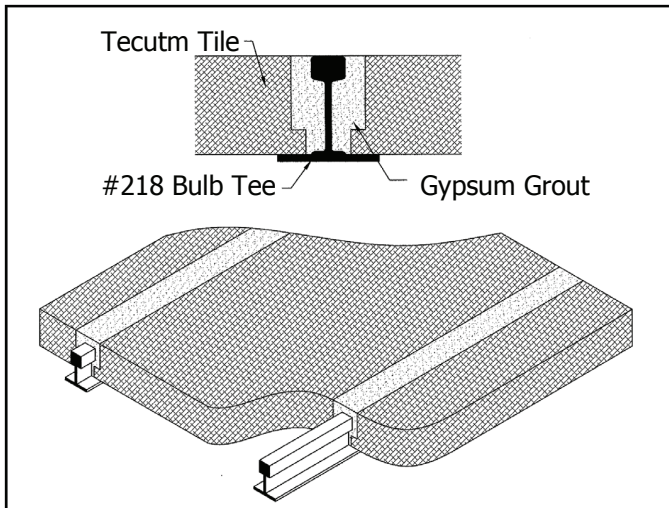
High Strength Structural Subpurlins & Bond Beams

Bulb Tees are high strength, lightweight, steel sections for use as structural subpurlins in specialty roof decks such as Tectum Wood Fiber Decks, Poured Gypsum Decks and Span-Rock Gypsum Plank Decks. Bulb Tees also make excellent bond beams for anchoring structural members, providing a continuous steel strip for attachment and reinforcement.

### Total Safe Uniform Load - psf

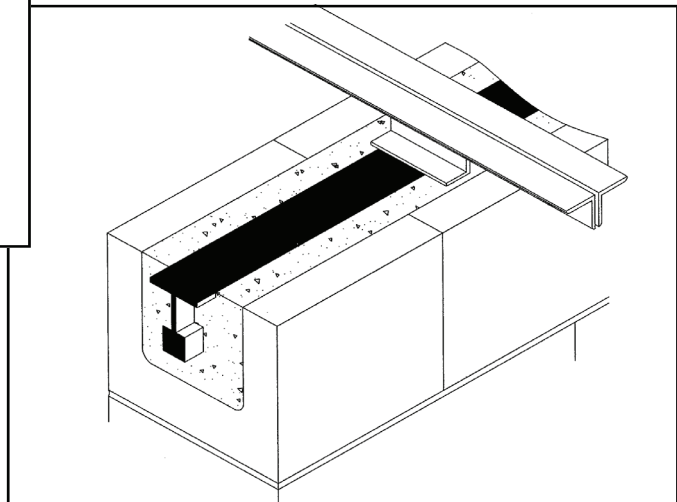
	Span									Max. Eave Overhang 4'10"
	7'0"	7'6"	8'0"	8'6"	9'0"	9'6"	10'0"	10'6"	11'0"	
#218	119	103	91	80	72	64	58	52	48	

Note: Above loads are based on a three span condition, 32 5/8" tee spacing. Design stress as given in the " Specification and Design Properties" table below, are for the bulb tee acting alone. That is, they ignore any contribution to flexural strength from the deck material. Capacities may be adjusted for bulb tee spacing other than 32 5/8" as follows: for 24 5/8" spacing, multiply allowable total safe uniform load by a factor of 1.32; for 42 5/8" spacing, multiply by .77; for 48 5/8" spacing, multiply by .67. Capacities may be adjusted for different support configurations as follows; for two span condition, multiply allowable total safe uniform load by 1.13, for a single span condition, multiply by .64. Maximum eave overhang has been calculated based on a uniform load of 45 psf only. If blocking, gutters, angles, soffits, etc., are to be suspended from the end of an overhang, the effect of these additional superimposed loads should be calculated separately. All total safe uniform loads given above are calculated on the basis of allowable flexural stress only, and ignore deflection. The designer/specifier is urged to check the theoretical deflection of any section, under the loads, and support conditions which are expected to be encountered.



### Specifications & Design Properties

Design Stress	33,000 PSI
Min Yield Point	50,000 PSI
Min Tensile Strength	80,000 PSI



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