



## ENGINEERING TECHNICAL BULLETIN

**PRODUCT:**

**ALUMINUM TEE CEILING SUPPORT**

Description: 4x2 Extruded Structural Tee  
Material: 6061-T6 Aluminum Alloy  
Length: 16-ft  
Factory Modifications: pre-punched holes

**IWP SERIES – Insulated Metal Panels**

Profiles: MaxLine or MesaLine  
Width: 45-inch or narrower  
Thickness: 3, 4, 5 and 6-inch  
Gauge: 26-gauge or heavier (facer and liner)  
Finish: embossed or smooth

**ALLOWABLE LOADS (PSF):**

| Panel Thickness<br>(in.) | Tee Span<br>(Rod Spacing, ft.) | Panel Span (ft.) |       |       |       |       |       |       |       |       |
|--------------------------|--------------------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                          |                                | 8                | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    |
| 3                        | 4                              | 40.82            | 36.02 | 32.19 | 29.05 | 26.44 | 24.23 | 17.77 |       |       |
|                          | 5                              | 32.19            | 28.36 | 25.29 | 22.78 | 20.69 | 18.92 | 17.40 |       |       |
|                          | 6                              | 24.14            | 21.20 | 18.85 | 16.93 | 15.32 | 13.97 | 12.80 |       |       |
|                          | 7                              | 16.70            | 14.59 | 12.90 | 11.52 | 10.36 |       |       |       |       |
| 4                        | 4                              | 40.61            | 35.81 | 31.98 | 28.84 | 26.23 | 24.02 | 22.12 | 20.48 | 19.04 |
|                          | 5                              | 31.98            | 28.15 | 25.08 | 22.57 | 20.48 | 18.71 | 17.19 | 15.88 | 14.73 |
|                          | 6                              | 23.93            | 20.99 | 18.64 | 16.72 | 15.11 | 13.76 | 12.59 | 11.59 | 10.70 |
|                          | 7                              | 16.49            | 14.38 | 12.69 | 11.31 | 10.15 |       |       |       |       |
| 5                        | 4                              | 40.40            | 35.60 | 31.77 | 28.63 | 26.02 | 23.81 | 21.91 | 20.27 | 18.83 |
|                          | 5                              | 31.77            | 27.94 | 24.87 | 22.36 | 20.27 | 18.50 | 16.98 | 15.67 | 14.52 |
|                          | 6                              | 23.72            | 20.78 | 18.43 | 16.51 | 14.90 | 13.55 | 12.38 | 11.38 | 10.49 |
|                          | 7                              | 16.28            | 14.17 | 12.48 | 11.10 |       |       |       |       |       |
| 6                        | 4                              | 40.19            | 35.39 | 31.56 | 28.42 | 25.81 | 23.60 | 21.70 | 20.06 | 18.62 |
|                          | 5                              | 31.56            | 27.73 | 24.66 | 22.15 | 20.06 | 18.29 | 16.77 | 15.46 | 14.31 |
|                          | 6                              | 23.51            | 20.57 | 18.22 | 16.30 | 14.69 | 13.34 | 12.17 | 11.17 | 10.28 |
|                          | 7                              | 16.07            | 13.96 | 12.27 | 10.89 |       |       |       |       |       |

**NOTES:**

1. The above load table corresponds to a ceiling supported with pre-punched aluminum tees supplied by Green Span Profiles.
2. Allowable loads are for uniform span lengths.
3. The above loads consider the panel self-weight.
4. Above load table does not consider thermal effects.
5. Allowable loads reflect a deflection limit of L/180.
6. Maximum allowable tee cantilever is 2'-6".
7. **The ceiling support structure must be analyzed by a professional engineer to resist the imposed ceiling loads.**
8. Above loads are null and void if the aluminum tee is not installed per Green Span details LT-CST-004 and LT-CTI-005.
9. Any installation utilizing accessories other than those provided by Green Span Profiles shall nullify the above table.
10. Table values consider the structural capacity of the panel assembly, aluminum tee, and the rod-end connection to the tee. All other accessories, including but not limited to hanger rods, couplings, etc. and their connections must be designed separately.
11. The aluminum tee analysis was performed in accordance with the 2015 Aluminum Design Manual.
12. Ceiling live loads should be kept at or below 20-psf with point loads <=300-lbs.
13. **WARNING** - Avoid excessive foot traffic. Excessive foot traffic will, at a minimum, cause delamination and degrade panel performance.