Nominal Dimensions

Section Properties

Effective Moment of Inertia at Service Load

<table>
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<tr>
<th>Deck</th>
<th>w_{dd} (psf)</th>
<th>t (in.)</th>
<th>F_y (ksi)</th>
<th>I_{d+} (in^4/ft)</th>
<th>I_{d-} (in^4/ft)</th>
<th>I_{d} (in^4/ft)</th>
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<td>0.166</td>
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Effective Section Modulus at F_y = 60 ksi

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<th>F_y (ksi)</th>
<th>S_e+ (in^3/ft)</th>
<th>S_e- (in^3/ft)</th>
<th>S_e (in^3/ft)</th>
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Allowable Moment

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<th>F_y (ksi)</th>
<th>M_{n+/\Omega} (lb-ft/ft)</th>
<th>M_{n-\Omega} (lb-ft/ft)</th>
<th>V_{n/\Omega} (lb/ft)</th>
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Allowable Reactions at Supports Based on Web Crippling, R_{n/\Omega} (lb/ft)

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Standard Features

- ASTM A653 SS GR80, with G60 or G90, white or gray primer optional
- ASTM A1008 SS GR80 with gray primer
- Standard lengths – 6'-0” to 42'-0”
- IAPMO UES ER-0652 and FM Listed
- Tables conform to ANSI/SDI RD-2017

Optional Features

- Inquire regarding cost and lead times for:
  - Short cuts < 6'-0”
  - Sheet Lengths > 42'-0”
  - Alternative metallic and painted finishes

1.5B ACOUSTICAL ROOF DECKS

- 1.5BA-36 Deck used with Side-lap Screws
- 1.5BIA-36 Deck used with TSWs or BPs
- 1.5PLBA-36 Deck used with PunchLok® II System

1.5BA-36/1.5BIA-36/1.5PLBA-36 ACOUSTICAL ROOF DECKS
GRADE 80 STEEL

SEPTEMBER 2020
### Inward Uniform Allowable Loads, ASD (psf)

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**Notes:**
1. Table does not account for web crippling. Required bearing should be determined based on specific span conditions.
2. The symbol “---” indicates that the uniform allowable load based on deflection exceeds the allowable load based on stress.

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