

ISA's FSS Deep Strut (FSS) was developed as a main solar support beam to span large distances such as across parapet walls for residential structures and for spanning across major beams in commercial buildings.

**Physical Characteristics:**

Dimensions: 8.8" High x 3" Wide  
 Weight: 4.1 Lbs/Ft.

**Structural Characteristics:**

$S_{yymin} = 2.97 \text{ in}^3$   $I_{yymin} = 4.45 \text{ in}^4$   $r_{yymin} = 1.16 \text{ in}$   
 $S_{zzmin} = 7.74 \text{ in}^3$   $I_{zzmin} = 34.92 \text{ in}^4$   $r_{zzmin} = 3.23 \text{ in}$   
 $A_g = 3.36 \text{ in}^2$   $A_e = 3.36 \text{ in}^2$

**Material:**

-Extruded Aluminum, 6061-T6/6005-T6

**Support Span Capacity:**

Up to 25 Ft.  
 -See Tables

**Attachment Methods:**

Angle Bracket to Parapet Walls  
 ISA Post to Roof or Parapet Walls  
 Lag Bolt or embedded rod – 1/2"

**Warranty:**

20 Years

