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Formes d Steel Dec

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## **Specification for Structural Steel Buildings**

Part 5 of the AISC LRFD  
Manual 2. Chapter F  
and Appendix F of the  
AISC LRFD

Specifications (Part 16  
of LRFD Manual) ... The  
hot-rolled steel  
sections are thin-  
walled sections

consisting of ... =  $\leq M$   
M M AISC Eq. (F1-12)

J.S Arora/Q. Wang 10

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53:134 Structural  
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Wide-flange (W)

Shapes.. 2 on 12

slope on inner flange

12. Actual depth

Property for design

Property for detailing

13. Angles 14 L6x4x3/4

Section designation

Long leg length Short

leg length Thickness •

Major axes do not

correspond to X and Y

axes.

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W.A., 1992,  
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Connection Design,”  
Proceedings of the  
AISC National Steel  
Construction  
Conference, pp. 24-1 -  
24-21, AISC, Chicago,  
IL.

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grade tables as well as

shear moment and

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AISC 360-10 . 1.1 Load  
Combinations and  
Notional Loads . The  
design is based on a  
set of user-specified  
loading combinations.  
However, the program  
provides default load  
combinations for each  
supported design code.  
If the default load  
combinations are  
acceptable, no



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definition of additional  
load combinations is  
required.

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31 The design

procedure for single-  
plate connections in  
the AISC 14th Edition  
Manual (10-102 thru  
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116" 2 b PL d t dr w =  
5/8 t PL To ensure that  
a ductile limit-state will  
control w w Plate

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yielding before weld  
rupture failure. Bolt  
bearing before bolt  
shear failure.  $d < t$  PL  
What does this  
accomplish?

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