Steel Interchange

Steel Interchange is an open forum for *Modern Steel Construction* Answers and/or questions should be typew

provisions and

ever, for applications based on $F_V = 0.3F_u$, the allow-

greater for the A572 Gr. 50

(0.4Fy) is the limiting stress allowed

wind loading? Can it be used on a fram that sup-

bridge subjected

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g relatively small stress ranges and a low number of
cycles (less than 20,000). Where this is not the
case, an estimation of fatigue strength should be in-
cluded in the preliminary design. In either case, the

s Category F. The allowable stress range in
shear is 12 ksi for 500,000 loading cycles (50 applica-
tions every day for 25 years). If the beam is connected

ranges and web not greater than 192 in.

These factors are crucial to the proper design of

LRFD Manual, 1st Edition, p. 5-145 and ASD Manual, 9th Edition, p. 4-116) Why is this restriction made?

In response to Barry K. Shriver's question regarding

also be appreciated.

Charles E. Plessner, P.E.
Moun

Sherma

e last paragraph of Don
ponse in the September, 1992 Steel
Interchange should read $2.53\sqrt{F_y}$.