

SSRC Breakout Sessions
12 May 2010
Flipchart Notes

Members TGs

[Ed. The members took up Joe Yura's call to arms to try to address a longstanding issue with respect to the mechanics and behavior of angles]

Angle Test Protocol

Don W
Iraj M
Dagowin L

Test

Ron Z
Larry F
Amit V

FEA

Iraj
Dagowin
Yoon D.

SSRC Session – *The Joe Yura Single Angle Challenge*

Bridges TGs(TG14 & TG27)

Need to reorganize the task groups
Review 3 Chapters (Linzell)
Focus on Plate Girder Ch.
A lot of redundant material – eliminate

Thinwalled (and testing) TGs

International Outreach and Collaboration
System Design
Student and Practitioner → Education
AEC Connections
State of the art → tools, optimization, manufacturing
Multi-disciplinary design (aerospace) (interaction)
Sustainability – energy efficiency, new systems
Pre-standards
Buckling interaction L+D
System vs. component calibration
Material interaction – composite construction

Frames/Systems Stability and Bracing TGs

No flipchart report

“Extreme Loads” TGs

Composite columns (noncompact and slender)
(stability of composite frames, seismic & non-seismic)
Take best papers from SSRC Proc. And develop into special journal issue
(AISC EJ or ASCE JSE)
Global seismic stability (P- Δ , notional loads, interface between non-seismic
frame stability and seismic effects)
Local plate stability (b/t) for cyclic response (inelastic)
Stability of composite beams w/ axial (bracing effect of slab)

Fire

Creep buckling
What is the actual load in a member under fire
Stability under extreme loads (fire & seismic)
SSRC session
Next SSRC Guide \rightarrow chapter on stability under fire

Collapse modeling

Current procedures used simplified modeling (e.g., ATC 63 etc)
Experimental data, benchmark problems

Next SSRC meeting

3 sessions
stability under fire
seismic stability (global)
local stability under cyclic loading

Outreach and Education TGs

International Cooperation

Workshop 2012 , Thin-walled Stability

Education

Ideas/volunteers for short courses

Session on the Guide 2011

Members themselves should advertise the Guide