



# Suspended (Swing Stage) Scaffolding

## SS2750SS



### **Program Length:**

1 day (8 hours): 4 hours theory with 4 hours practical training

### **Who Should Attend:**

Personnel required to design, install and implement a suspended scaffold program.

### **General:**

This course teaches the fundamentals of suspended scaffolding design and setup. Participants learn the principles of basic suspended scaffold design and safe erection and dismantling techniques. Training follows CSA standards Z91\_02 (reaffirmed 2008) Health and Safety Code for Suspended Equipment Operations, as well as Z271\_10 Safety Code for Suspended Scaffolding.



Our instructors have years of experience building and training in suspended scaffoldings throughout North America. They have worked at diverse locations such as oil rigs, refineries, construction projects and power generating stations. The course is designed to enable construction companies to have a competent person trained in the erection and dismantling of suspended scaffolding.

Participants learn how to erect suspended scaffolding for specific imposed loads, following the design principles for counter weights and beams, while gaining the knowledge and practical skills that go hand-in-hand with proper erection and dismantling using a variety of beam setups. A scaffold design is given and everyone is asked to conduct a set-up using electrical climbers from the site hazard assessment right through to project completion and teardown. Suspended scaffolds are built using well established principles, ensuring loading, outriggers, and beam requirements are adhered to throughout the erection phase. Participants also learn the techniques and principles to alter original designs in order to solve specific work site problems, should they occur. Everyone is required to apply sound fall arrest principles, using double tethered lanyards, during the erection and dismantling of the scaffolding.

### **Learning Style:**

Curriculum begins with a 4 hour classroom session on scaffolding regulations and manufacturer specifications, supplemented with video and PowerPoint presentations. Participants are required to perform basic math during the class for outrigger design so a calculator or device with simple calculator functions such as a smartphone or laptop is useful. Remainder of course is hands-on as participants install a suspended scaffolding from their design.



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### Discussion Topics:

Course teaching points are, but not limited to, the following:

- Provincial / State regulations
- CSA scaffold requirements
- Manufacture specifications
- Scaffold theory
- Application
- Limitations and advantages of suspended scaffolding
- Basic design principles
- Scaffold loading
- Outrigger beam design calculations
- Fall arrest requirements
- Back up system



### Class Size:

Maximum 16 participants, minimum of 8 for on-site training.

### Outcomes:

Training gives each participant the knowledge to design suspended scaffolds in accordance with governing regulations, manufacturer specifications and standards associated with each component and type.

A wallet card denoting Suspended Scaffolding Training is presented to each participant upon successful completion of the course.

### Contact Information:

Linda Wilson: [linda@rusafe.ca](mailto:linda@rusafe.ca) C: 902-523-1410

Arleigh Robar: [arleigh@rusafe.ca](mailto:arleigh@rusafe.ca) C: 902-521-4777 O: 902-766-0348

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