



# End Frame Basic Scaffolding Skills (Awareness) SA2701EF



## Program Length:

Two Days (16 hours)

## Who Should Attend:

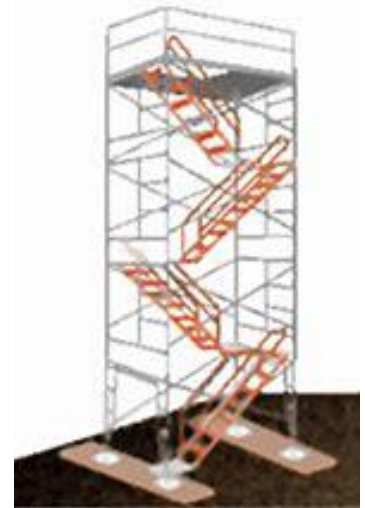
Employees and supervisors responsible for building and dismantling of Total Systems Scaffolding.

## General:

Fundamentals of End Frame Scaffolding are taught. Participants learn the principles of basic scaffold design, as well as safe erection and dismantling techniques.

Our instructors have many years of scaffold training and building experience. They've worked at diverse locations across North America such as oil rigs, refineries, construction projects and power generating stations. The course is designed to enable companies in the industry to have a competent person trained to build and dismantle scaffolding in multiple job site environments.

The course empowers participants to build scaffolding for specific imposed loads, following the principles of tie-in theory rolling and free standing scaffolding. Students gain the knowledge and practical skills that go hand-in-hand with proper erection and dismantling of scaffolding in a variety of locations. Participants are given a scaffold design and asked to conduct a build from a site assessment right through to scaffold completion and tear down. Scaffolds are built by participants under the observation of the instructors, ensuring established principles are followed. Training ensures that correct loading, outriggers, sidewall brackets and bracing requirements are adhered to throughout the building phase. Participants are instructed in the techniques and principles to alter original designs in order to solve specific work site problems. Everyone is required to use sound fall arrest principles, as well as 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 platform loading. A calculator or device with simple calculator functions such as a smartphone or laptop will be useful. The rest of the course is hands-on and participants will build a variety of scaffolds.



Course Outlines	Doc Control #: SA2701EF	Original Date: 1-Aug-93	
Original Prepared By: Arleigh Robar	Revised By: Linda Wilson	Revision No: 10LW	Revision Date: Aug 25, 2020
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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 of TSS
- Limitations and advantages of TSS
- Basic design principles
- Tie-In theory and principles
- Scaffold loading
- Bracing fundamentals
- Outriggers
- Side wall brackets
- 3 to 1 principle

## **Class Size:**

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

## **Outcomes:**

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

A wallet card denoting Total Systems Scaffolding Competent Person is presented to each participant on successful completion of the course.

## **Contact Information:**

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