

AVTEC Building Maintenance and Construction



SECTION 1 – Basic Stair Building

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

| LEARNING OBJECTIVES | TRAINING MATERIAL REQUIRED |
|--|---|
| <p>Upon successful completion of this topic the trainee will be able to:</p> <ol style="list-style-type: none">1. Be familiar with AVTEC policies2. Be familiar with the training facility layout, including: heads, scuttlebutts, maritime main office, student lounge, emergency egress and muster station, fire extinguishers, business office.3. Describe the contents of the unit and understand objectives | <p>A. Reference Materials:</p> <p>B. Instructor Training Aids:</p> <ol style="list-style-type: none">1. White boards and markers2. Power Point Presentation and Monitor <p>C. Student Training Aids:</p> <ol style="list-style-type: none">1. Handouts |

| LEARNING OBJECTIVES | TRAINING MATERIAL REQUIRED |
|---------------------|----------------------------|
|---------------------|----------------------------|

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SECTION 1 – Basic Stair Building

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

1. Identify types of stair systems

A. Reference Materials:

1. AVTEC Basic Stair Building Power Points
2. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

2. Online Handouts

LEARNING OBJECTIVES

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SECTION 1 – Basic Stair Building

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

2. Define terminology used in stair systems

A. Reference Materials:

3. AVTEC Basic Stair Building Power Points
4. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

3. Online Handouts

LEARNING OBJECTIVES

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Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

3. Describe the components used in stair systems

A. Reference Materials:

5. AVTEC Basic Stair Building Power Points
6. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

4. Handouts

LEARNING OBJECTIVES

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Upon successful completion of this topic the trainee will be able to:

4. Determine common building code requirements related to common stair systems

A. Reference Materials:

7. AVTEC Basic Stair Building Power Points
8. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor
3. Code books

C. Student Training Aids:

5. Handouts
6. Code books

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Upon successful completion of this topic the trainee will be able to:

5. Describe the designing of common stair systems

A. Reference Materials:

9. AVTEC Basic Stair Building Power Points
10. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

7. Handouts

LEARNING OBJECTIVES

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Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

6. Interpret and apply measuring and calculating the components of stairs

A. Reference Materials:

11. AVTEC Basic Stair Building Power Points
12. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor
3. Calculator

C. Student Training Aids:

8. Handouts
9. Calculator

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Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

7. Interpret and apply measuring and calculating the components of stairs

A. Reference Materials:

13. AVTEC Basic Stair Building Power Points
14. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor
3. Calculator

C. Student Training Aids:

10. Handouts
11. Calculator

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SECTION 1 – Basic Stair Building

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

1. Illustrate laying out stringers

A. Reference Materials:

12. AVTEC Basic Stair Building Power Points
13. Media Links

B. Instructor Training Aids:

14. White boards and markers
15. Power Point Presentation and Monitor
16. Framing square
17. Tape measure
18. Pencil
19. Calculator
20. Lumber

C. Student Training Aids:

21. Handouts
22. Framing square
23. Tape measure
24. Pencil
25. Calculator
26. Lumber

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SECTION 1 – Basic Stair Building

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

1. Fabrication of basic stairways

A. Reference Materials:

15. AVTEC Basic Stair Building Power Points
16. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor
3. Lumber
4. Hand tools
5. Power tools
6. Calculator

C. Student Training Aids:

1. Handouts
2. Lumber
3. Hand tools
4. Power tools
5. Calculator

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Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

Upon successful completion of this topic the trainee will be able to:

2. Estimate materials quantities required for stair construction

A. Reference Materials:

17. AVTEC Basic Stair Building Power Points
18. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor
3. Calculator

C. Student Training Aids:

27. Handouts
28. Calculator

LEARNING OBJECTIVES

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Upon successful completion of this topic the trainee will be able to:

3. Identify types of stair systems
4. Determine common building code requirements related to common stair systems
5. Interpret and apply measuring and calculating the components of stairs
6. Illustrate laying out stringers
7. Simulate the fabrication of basic stairways
8. Estimate materials quantities required for stair construction

A. Reference Materials:

19. AVTEC Basic Stair Building Power Points
20. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor

C. Student Training Aids:

29. Handouts

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Topic 0- Intro

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Upon successful completion of this topic the trainee will be able to:

9. Identify types of stair systems
10. Determine common building code requirements related to common stair systems
11. Interpret and apply measuring and calculating the components of stairs
12. Illustrate laying out stringers
13. Simulate the fabrication of basic stairways
14. Estimate materials quantities required for stair construction

A. Reference Materials:

21. AVTEC Basic Stair Building Power Points
22. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor
3. Calculator

C. Student Training Aids:

30. Handouts
31. Calculator