

AVTEC Building Maintenance and Construction



SECTION 1 – Building Envelopes

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

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

1. Describe a Building Envelope

A. Reference Materials:

1. AVTEC Building Envelopes 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. 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:

2. Define the terminology of Building Envelopes

A. Reference Materials:

3. AVTEC Building Envelopes 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. Handouts

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

3. Identify Building Envelope components

A. Reference Materials:

5. AVTEC Building Envelopes 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

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

1. Summarize common door and window styles

A. Reference Materials:

7. AVTEC Building Envelopes Power Points
8. Media Links

B. Instructor Training Aids:

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

C. Student Training Aids:

5. Handouts

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

2. Determine common building code requirements related to Envelope systems

A. Reference Materials:

9. AVTEC Building Envelopes Power Points
10. Media Links

B. Instructor Training Aids:

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

C. Student Training Aids:

6. Handouts

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

3. Prepare a house wrap envelope

A. Reference Materials:

11. AVTEC Building Envelopes Power Points
12. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor
3. House wrap
4. Stapler
5. Wrap tape
6. Framed wall
7. Hand tools

C. Student Training Aids:

7. Handouts
8. White boards and markers
9. Power Point Presentation and Monitor
10. House wrap
11. Stapler
12. Wrap tape
13. Framed wall
14. Hand tools

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

4. Install exterior windows as part of an envelope system

A. Reference Materials:

13. AVTEC Building Envelopes Power Points
14. Media Links

B. Instructor Training Aids:

8. White boards and markers
9. Fasteners
10. Window
11. Flashing tape
12. Wrap tape
13. Framed wall
14. Hand tools

C. Student Training Aids:

15. Handouts
16. Fasteners
17. Window
18. Flashing tape
19. Wrap tape
20. Framed wall
21. Hand tools

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

5. Install exterior doors as part of an envelope system

A. Reference Materials:

15. AVTEC Building Envelopes Power Points
16. Media Links

B. Instructor Training Aids:

15. White boards and markers
16. Fasteners
17. Door
18. Flashing tape
19. Wrap tape
20. Framed wall
21. Hand tools

C. Student Training Aids:

22. Handouts
23. Fasteners
24. Door
25. Flashing tape
26. Wrap tape
27. Framed wall
28. Hand tools

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

6. Identify Building Envelope components
7. Determine common building code requirements related to Envelope systems
8. Summarize common door and window styles
9. Prepare a house wrap envelope
10. Install exterior door and windows as part of an envelope system

A. Reference Materials:

17. AVTEC Building Envelopes Power Points
18. Media Links

B. Instructor Training Aids:

22. White boards and markers

C. Student Training Aids:

29. Handouts