

Order Plans @

COMcheck Software Version 4.1.1.0  
Envelope Compliance Certificate

Project Information  
Client: 2024 Midsouth Carpenter's Training Trust  
Address: 110 Veterans Memorial Parkway, La Vergne, TN 37058  
City: La Vergne, Tennessee 37058  
County: Davidson  
State: TN  
Project Name: Midsouth Carpenter's Training Trust  
Project Number: 2024-001

Building Area: 18,000 sq ft  
Floor Area: 18,000 sq ft

Envelope Assemblies

Assembly	Gross Area	Code	Encl. R-Value	Proposed R-Value	Budget R-Value
Roof 1: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	1000	503	2.0	3.0	3.0
Roof 2: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	700	503	2.0	3.0	3.0
Roof 3: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 4: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 5: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 6: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 7: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 8: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 9: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 10: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 11: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 12: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 13: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 14: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 15: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 16: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 17: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 18: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 19: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0
Roof 20: 100% Insulation, 2" Polyiso, 1/2" Gypsum, 1/2" Metal Deck, 1" Mineral Wool, 1" Gypsum	100	503	2.0	3.0	3.0

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Envelope Compliance Statement  
The proposed envelope design represents the building's envelope, including the building's exterior walls, roof, and floor slabs. The proposed design complies with the requirements of the International Energy Conservation Code (IECC) for buildings of this type and size.

Project Title: Midsouth Carpenter's Training Trust  
Client Name: Midsouth Carpenter's Training Trust  
Date: 09/30/2024

**BUILDING CODE SUMMARY**

Name of Project: MIDSOUTH CARPENTER'S TRAINING TRUST  
Address: 110 VETERANS MEMORIAL PARKWAY, LA VERGNE, TN 37058  
Proposed Use: TRAINING FACILITY  
Owner or Authorized Agent: MIDSOUTH CARPENTER'S TRAINING TRUST  
Contact Person: JAMES W. HARRIS  
City: LA VERGNE, TN  
Phone: 615.852.0000

**DESIGNER:**  
Name: ROBERT JOHNSON  
City: LA VERGNE, TN  
Phone: 615.852.0000  
Email: rjohnson@rjarchitects.com

**BASIC BUILDING DATA**

Construction Type: I-A  
Sprinklers: No  
Standpipes: No  
Fire Alarm: No  
Building Height: 2 Stories  
Gross Building Area: 18,000 SF  
Site Area: 24,781 SF  
Zoning: S-1

**ENVIRONMENTAL REQUIREMENTS**

Energy Code: 2024 IECC  
Envelope Compliance: Compliant  
Thermal Envelope: Compliant  
Ventilation: Compliant  
Lighting: Compliant  
Water Use: Compliant

**ALLOWABLE HEIGHT**

Type of Construction: V-B  
Building Height in Feet: 20'-0"  
Building Height in Stories: 2

**FIRE PROTECTION REQUIREMENTS**

Building Element	Fire Dept. (Fire)	IBC (Fire)	IBC (Life)	IBC (Safety)	IBC (Accessibility)	IBC (Energy)	IBC (Other)
Roof							
Exterior Walls							
Interior Walls							
Floors							
Stairways							
Elevators							
Escalators							
Transfer Walkways							
Exit Stairs							
Exit Ramps							
Exit Closures							
Exit Signs							
Emergency Lighting							
Fire Alarm							
Smoke Detector							
Fire Extinguishers							

**LIFE SAFETY SYSTEM REQUIREMENTS**

Emergency Light: No  
Exit Signs: No  
Fire Alarm: No  
Smoke Detector: No  
Fire Extinguishers: No

**NUMBER AND ARRANGEMENT OF EXITS**

Room	Minimum Exit Width (ft)	Number of Exits	Travel Distance (ft)	Arrangement of Exits
CONFERENCE ROOM	3	2	300	18'-0"
CLASSROOM	2	2	180	18'-0"
CLASSROOM	2	2	180	18'-0"
CLASSROOM	2	2	180	18'-0"
TRAINING FLOOR	2	2	300	18'-0"
MEZZANINE	2	2	300	18'-0"
CONFERENCE ROOM	2	2	300	18'-0"

**OCCUPANT LOAD AND EXIT WIDTH**

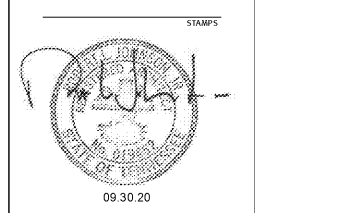
Room	Area (sq ft)	Occupant Load	Exit Width (ft)
CONFERENCE ROOM	100	5	3.0
CLASSROOM	200	10	3.0
CLASSROOM	200	10	3.0
CLASSROOM	200	10	3.0
TRAINING FLOOR	18,000	900	3.0
MEZZANINE	18,000	900	3.0

**PUMMING FIXTURE REQUIREMENTS**

Room	Urinals	Water Closets	Lavatories	Drinking Fountains
CONFERENCE ROOM	0	1	1	0
CLASSROOM	0	1	1	0
CLASSROOM	0	1	1	0
CLASSROOM	0	1	1	0
TRAINING FLOOR	0	1	1	0
MEZZANINE	0	1	1	0

**ENERGY SUMMARY**

Energy Code: 2024 IECC  
Envelope Compliance: Compliant  
Thermal Envelope: Compliant  
Ventilation: Compliant  
Lighting: Compliant  
Water Use: Compliant



CONSULTANT



PROJECT NUMBER: 1982  
ISSUE DATE: 09.30.24  
FOR PERMIT

**DRAWING DATA**  
DRAWN BY: BM/LM  
CHECKED BY: TH  
**SHEET TITLE**  
CODE INFORMATION

**SHEET NUMBER**  
G2.0

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