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ECO1 on Wheels

🏠 1 BEDROOM 🚿 1 BATH 📏 160 SQFT ⚖️ 2200lbs

ECO1 on Wheels is a mobile version of the popular ECO1 model, designed for those who value freedom and adaptability. Built with the same high-quality materials and eco-friendly principles, this unit offers the convenience of mobility without sacrificing comfort or style. Its compact size and efficient design make it perfect for tiny home enthusiasts, travelers, or those seeking an off-grid living experience.

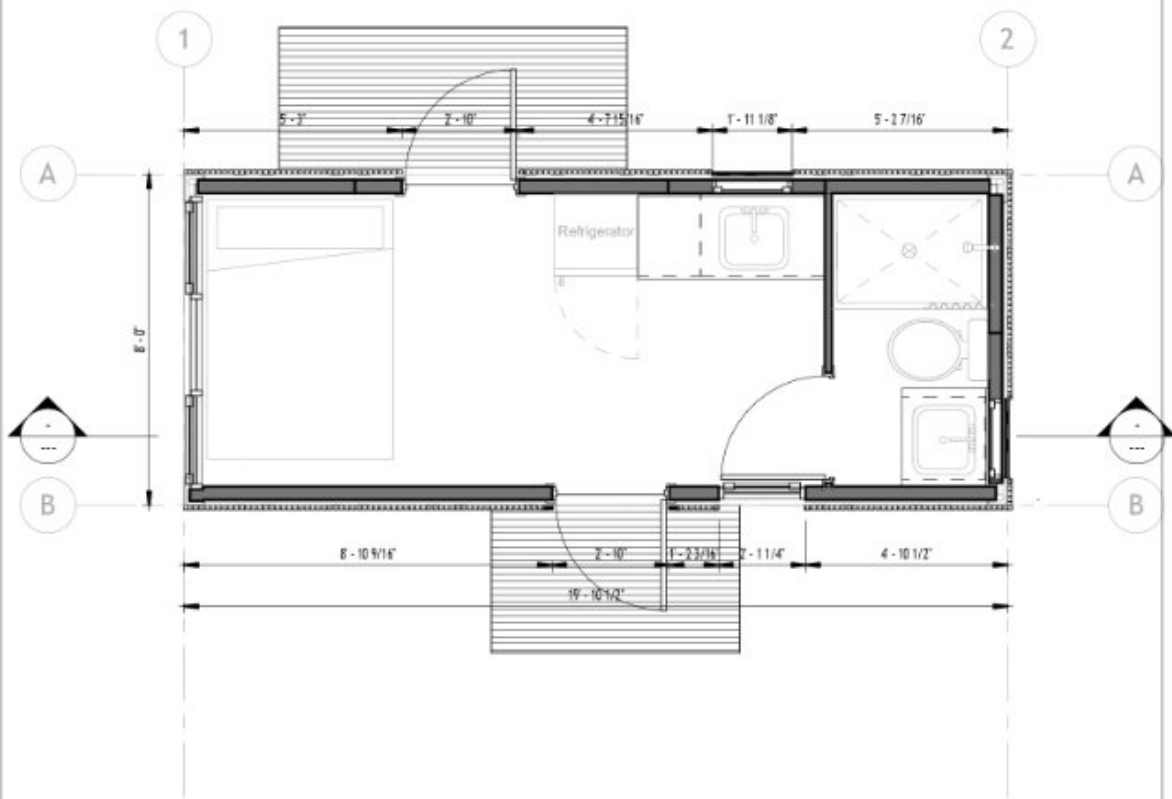
Photos







Floor Plans



1 FIRST FLOOR
3/8" = 1'-0"

PLAD

Project location:

Client: PLAD HOMES

Drawing NO:

Drawn by: SM

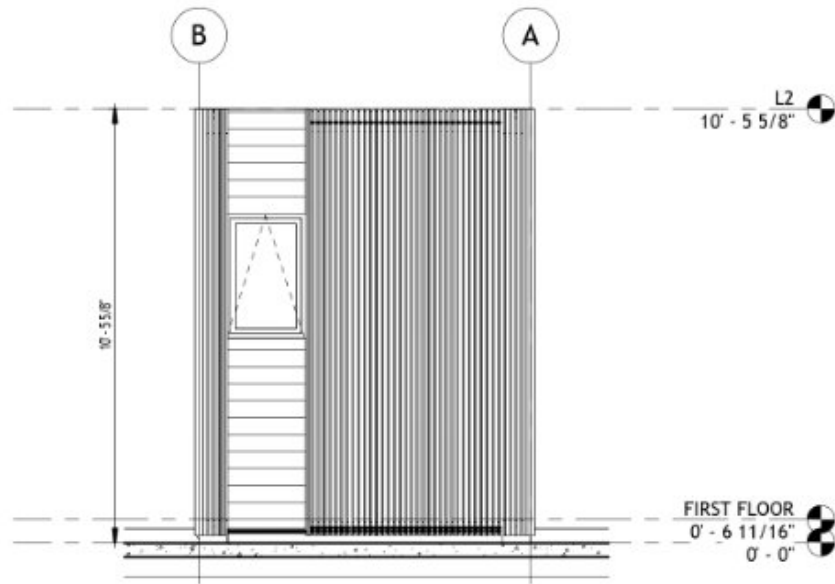
A100

Checked by: Checker

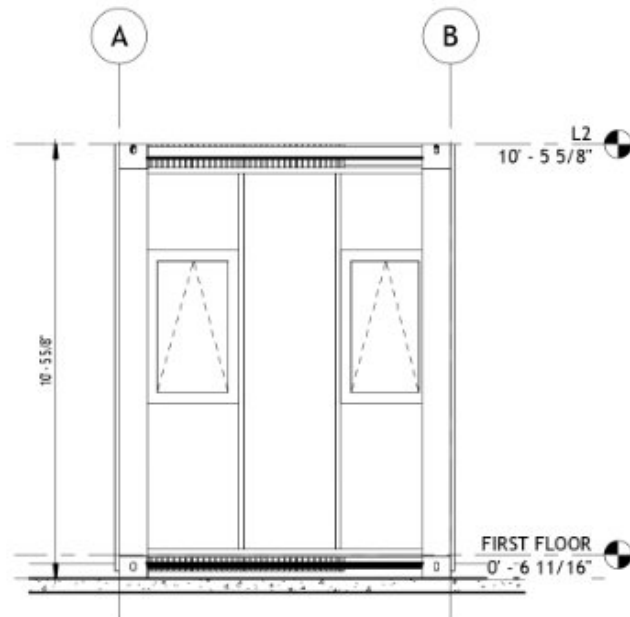
Project Number: SINGLE UNIT FLOOR PLAN

Date: 09/16/24 PLAD

Scale at ANSI B standard



1 EAST ELEVATION
3/8" = 1'-0"



2 WEST ELEVATION
3/8" = 1'-0"

PLAD

Project location:

Client: PLAD HOMES

Drawing NO:

Drawn by: SM

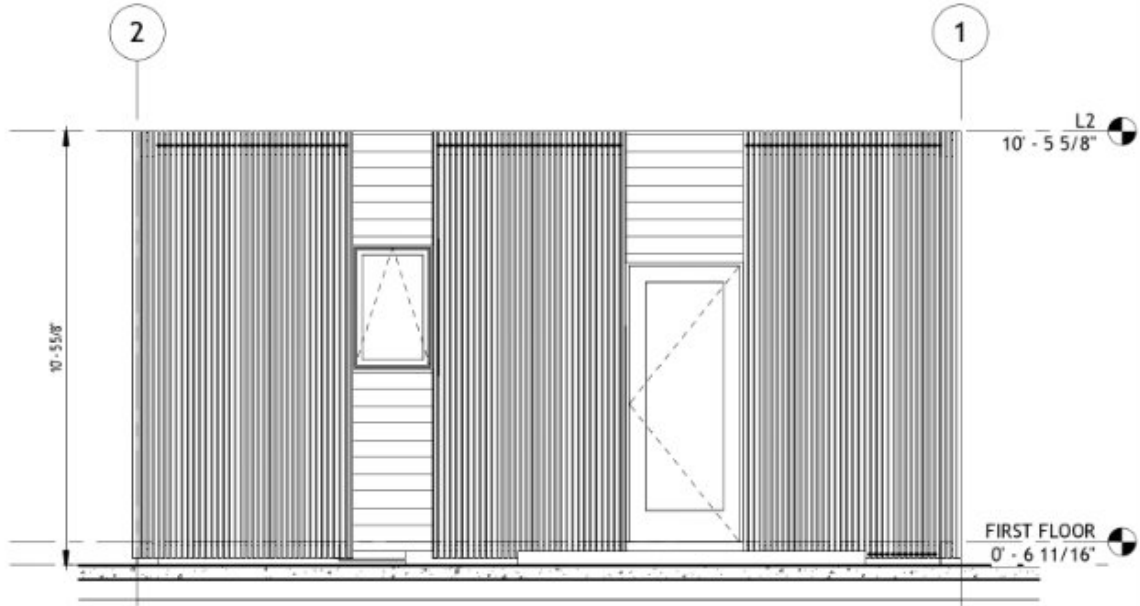
Checked by: Checker

Project Number: SINGLE UNIT ELEVATION

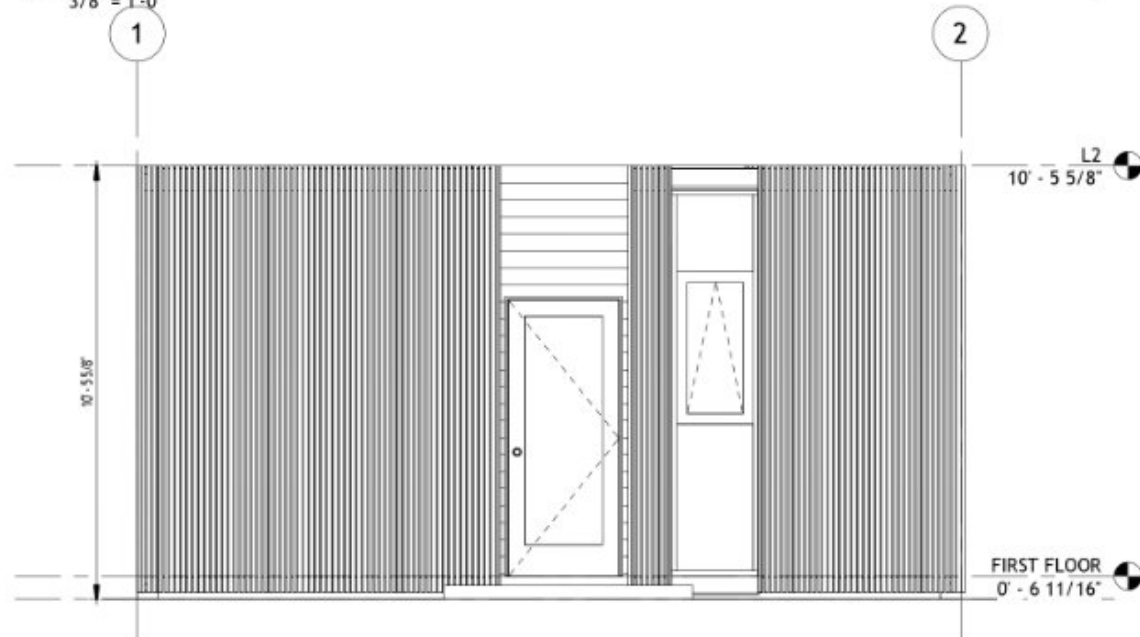
Date: 09/16/24

Scale at ANSI B standard

A101



1 NORTH ELEVATION
3/8" = 1'-0"



2 South Architectural Building Elevation
3/8" = 1'-0"

PLAD

Project location:	
Client: PLAD HOMES	Drawing NO: A102
Drawn by: SM	
Checked by: Checker	
Project Number: SINGLE UNIT	ELEVATION
Date: 09/16/24	PLAD
Scale at ANSI B standard	



PLAD

Project location:		
Client:	PLAD HOMES	Drawing NO: A103
Drawn by:	SM	
Checked by:	Checker	
Project Number:	SINGLE UNIT PLAD	RENDERS
Date:	09/16/24	Scale at ANSI B standard

Videos



3D Videos

PLAD Homes Aura Series ECO 1 - Stunning 3D Interior F

PLAD Homes

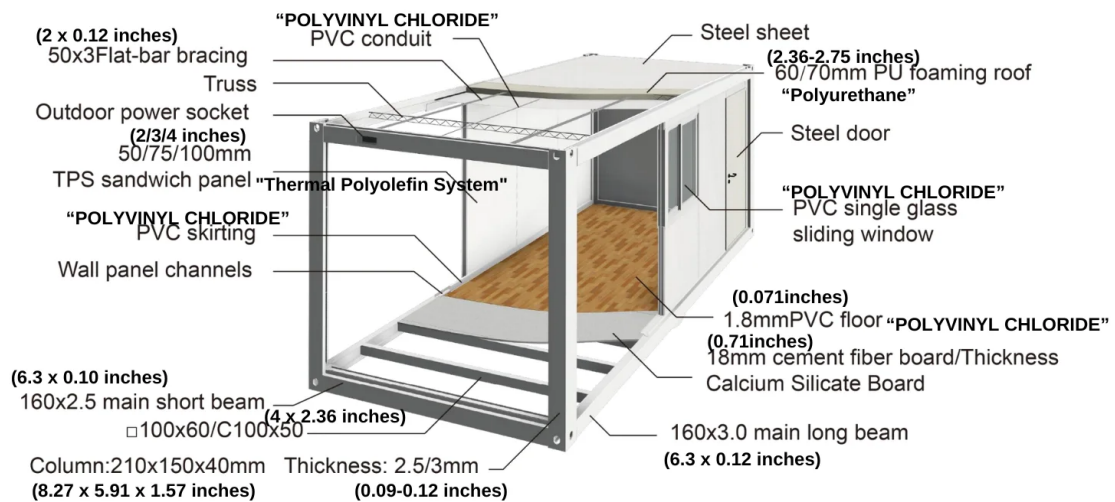


Watch on YouTube

Material

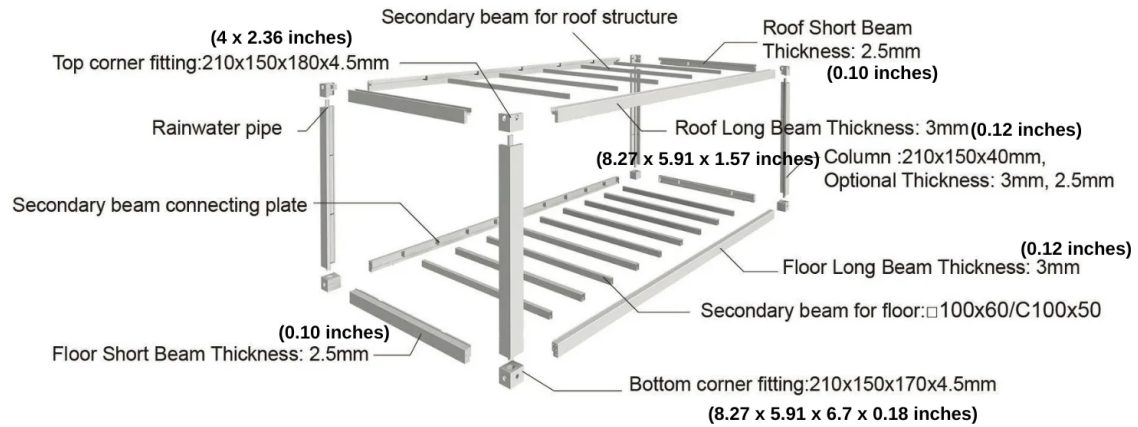
PLAD

Eco Material Composition

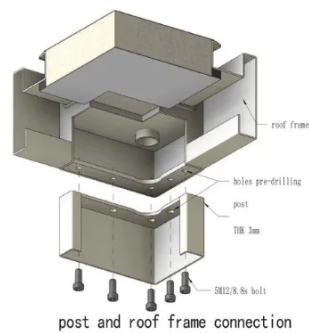


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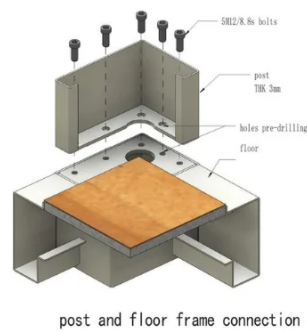
Eco Material Composition



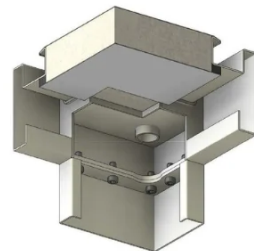
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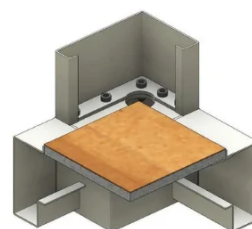
post and roof frame connection



post and floor frame connection

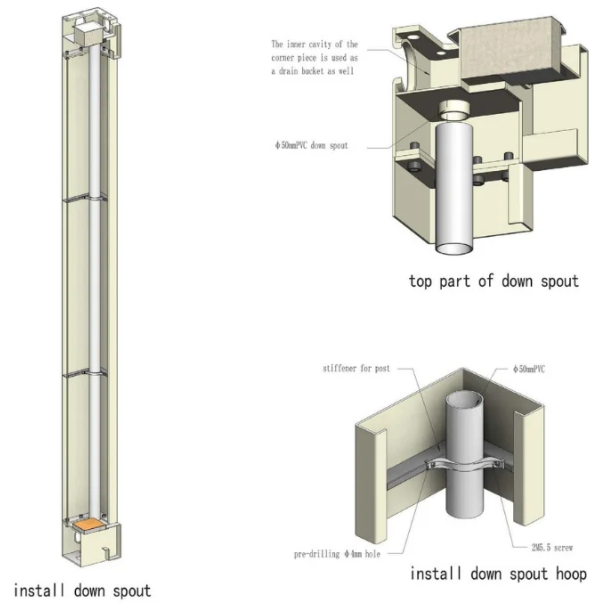


post and roof frame connection 2

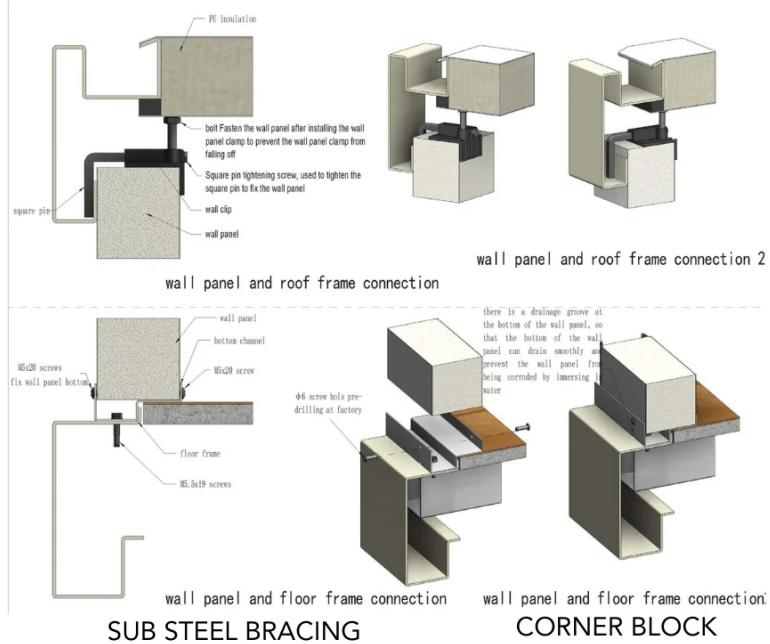


post and floor frame connection 2

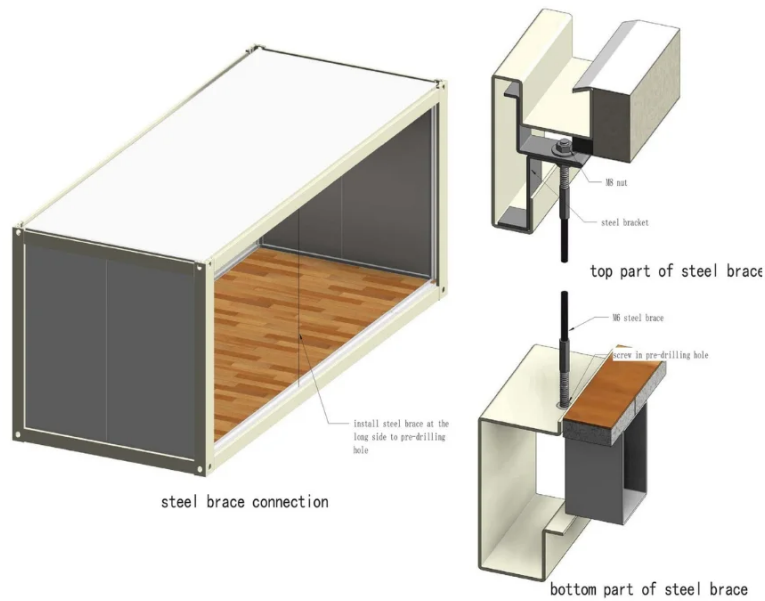
PLAD



PLAD



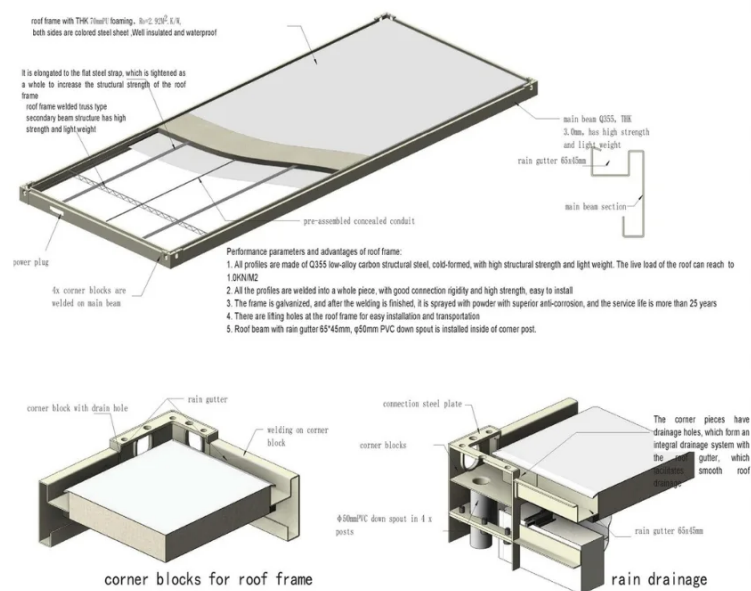
PLAD



SUB STEEL BRACING

CORNER BLOCK

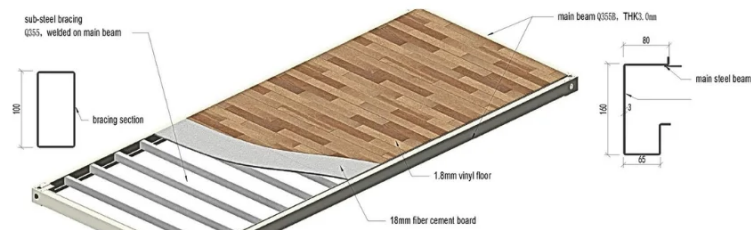
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SUB STEEL BRACING

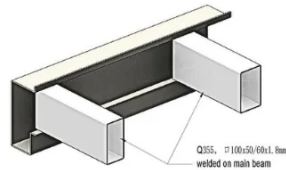
CORNER BLOCK

PLAD

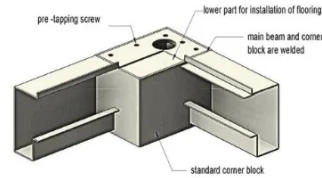


Performance parameters and advantages of floor frame:

1. All profiles are made of Q355 low-alloy carbon structural steel, cold-formed, with high structural strength and light weight. The live load of the floor can reach to 2.5KN/M2.
2. All the profiles are welded into a whole piece, with good connection rigidity and high strength, easy to install.
3. The frame is galvanized, and after the welding is finished, it is sprayed with powder with superior anti-corrosion, and the service life is more than 25 years.
4. There are lifting holes at the bottom for easy installation and transportation.
5. There is a need for heat preservation at the floor, it can be installed with a colored steel sealing bottom plate, filling PU, rock wool, glass wool etc.
6. Forklift holes can be added.



SUB STEEL BRACING



CORNER BLOCK

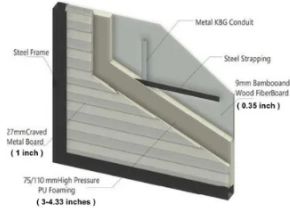
Floor Module



Ceiling Module



Exterior Wallboard Module



Interior Wallboard Module



Specification

MIAMI-DADE CODE STANDARDS & CERTIFICATIONS

Standards and Approvals



Florida Building Code 2023



American Society of Civil Engineers



American Iron and Steel Institute



ASTM International

Certifications and Testings



Mythic Engineering



SGS



Intertek

FEATURES



WELDING, PLUMBING & ELECTRICAL READY



ANTI-CORROSION: 20 YEARS



SOUND PROOFING: >60DB



WIND RESISTANCE: 185 MPH



SNOW LOAD CAPACITY: 21 PSF



SEISMIC RESISTANCE: GRADE 9



SERVICE LIFE: 100 YEARS



FIRE RESISTANCE: GRADE 3 (60 MINUTES)

Certification

PLAD

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