← Back to Products

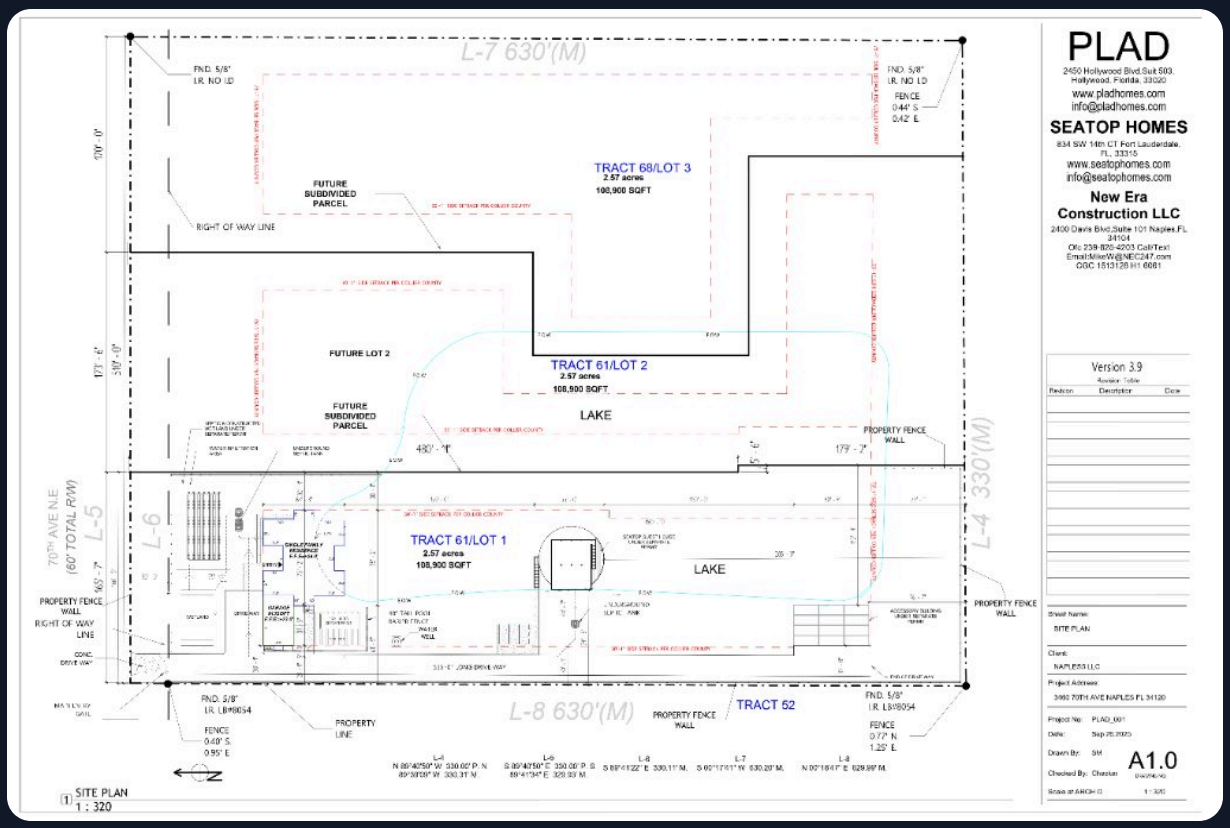
ECO44

8 BEDROOM 4 BATH 6400 SQFT 88000lbs

The ECO44 is the largest and most luxurious model in the PLAD lineup.This is our first model in the multi-family series, which can serve as a fourplex, an eightplex residence, or as a single-family home. With a sophisticated interior rendering, this expansive unit caters to those seeking a spacious and high-quality living environment. Whether used as a family home, vacation retreat, or executive housing, the ECO44 offers superior craftsmanship, eco-friendly features, and the ability to customize layouts to suit specific needs.

Photos

Floor Plans


L-7 630'(M)
FND. 5/8" I.R. NO I.D
FND. 5/8" I.R. NO I.D
FENCE 0.44' S. 0.42' E.
TRACT 68/LOT 3
2.57 acres
108,900 SQFT
FUTURE SUBDIVIDED PARCEL
RIGHT OF WAY LINE
FUTURE LOT 2
TRACT 61/LOT 2
2.57 acres
108,900 SQFT
FUTURE SUBDIVIDED PARCEL
LAKE
PROPERTY FENCE WALL
480' - 7"
179' - 2"
L-4 330'(M)
70TH AVE N.E (60' TOTAL R/W)
L-5
L-6
TRACT 61/LOT 1
2.57 acres
108,900 SQFT
LAKE
PROPERTY FENCE WALL
RIGHT OF WAY LINE
PROPERTY FENCE WALL
FND. 5/8" I.R. LB#8054
FENCE 0.49' S. 0.95' E.
PROPERTY LINE
L-8 630'(M)
PROPERTY FENCE WALL
TRACT 52
FND. 5/8" I.R. LB#8054
FENCE 0.72' N. 1.25' E.
SITE PLAN
1 : 320
PLAD
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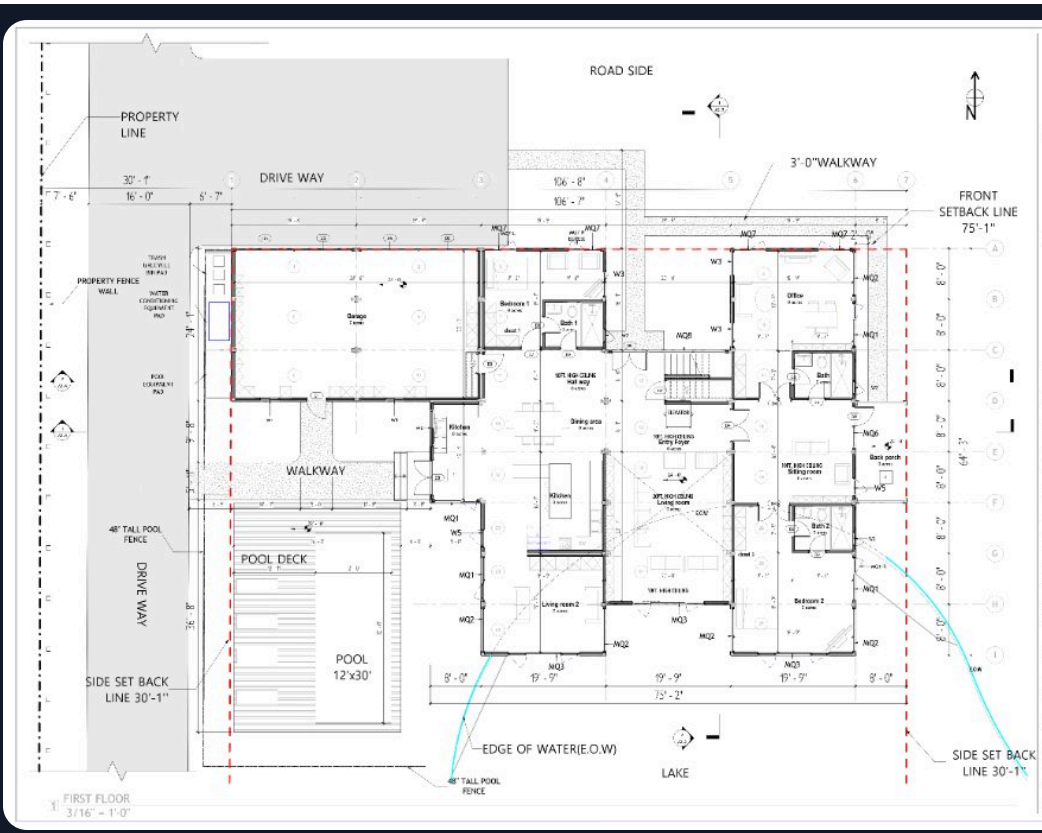
New Era Construction LLC
2400 Davis Blvd,Suite 101 Naples,FL 34104
Ofc 239-825-4203 Cell/Text
Email:MikeW@NEC247.com
CGC 1513128 H1 6081
Version 3.9
Revision Table
Revision Description Date
Sheet Name: SITE PLAN
Client: NAPLES3 LLC
Project Address: 3460 70TH AVE NAPLES FL 34120
Project No: PLAD_001
Date: Sep 26, 2025
Drawn By: SH
Checked By: Checker
A1.0
Drawing No.
Scale at ARCH D 1 : 320



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2400 Davis Blvd,Suite 101 Naples,FL 34104
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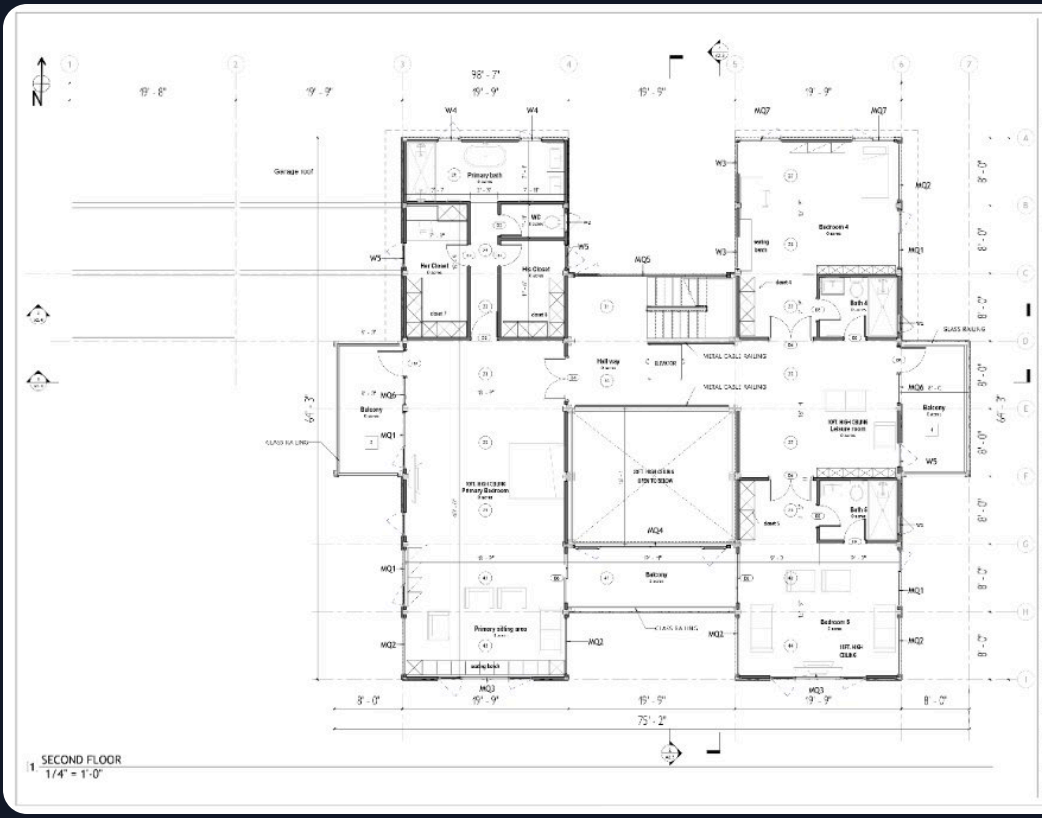
Email:MikeW@NEC247.com
CGC 1513128 H1 6661

Version 3.9
Revision Table

Revision	Description	Date

Sheet Name: FIRST FLOOR PLAN
Client: NAPLES LLC
Project Address: 3460 70TH AVE NAPLES FL 34120
Project No: PLAD_001
Date: Sep 25, 2025
Drawn By: SH
Checked By: Checker
Scale at ARCH D: 3/16" = 1'-0"

A1.1



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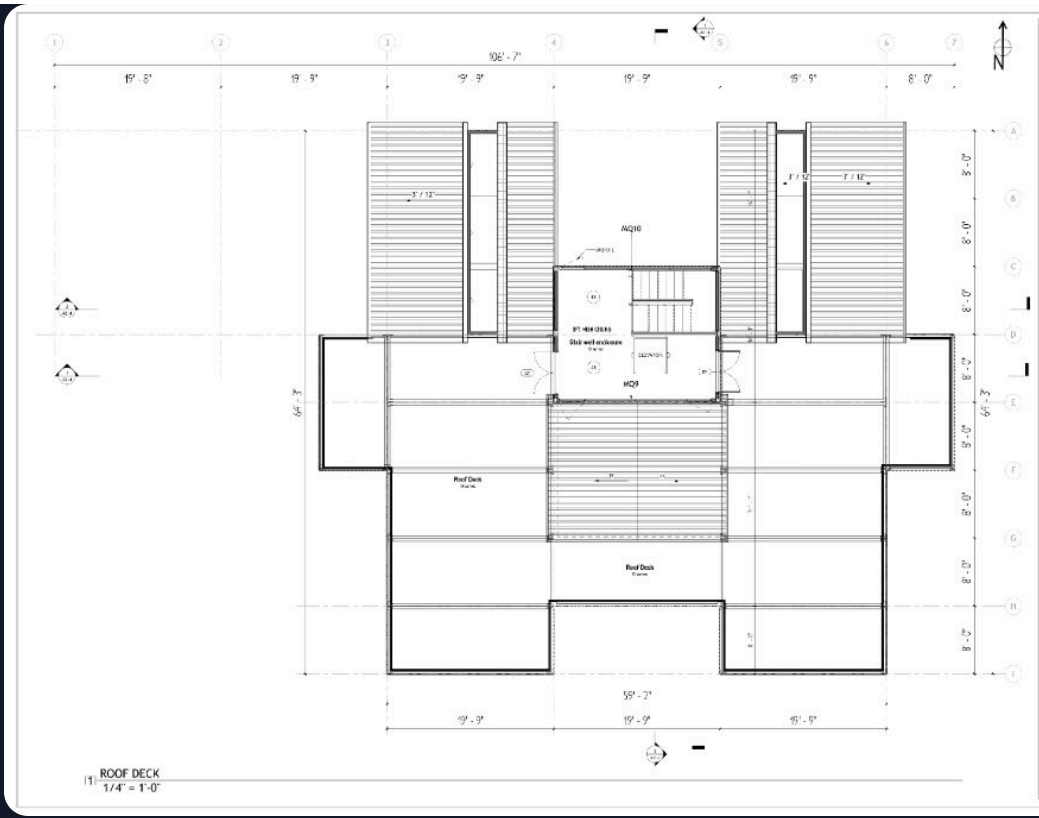
Email:MikeW@NEC247.com
CGC 1513128 H1 6661

Version 3.9
Revision Table

Revision	Description	Date

Sheet Name: SECOND FLOOR PLAN
Client: NAPLES LLC
Project Address: 3460 70TH AVE NAPLES FL 34120
Project No: PLAD_001
Date: Sep 25, 2025
Drawn By: SH
Checked By: Checker
Scale at ARCH D: 1/4" = 1'-0"

A1.2



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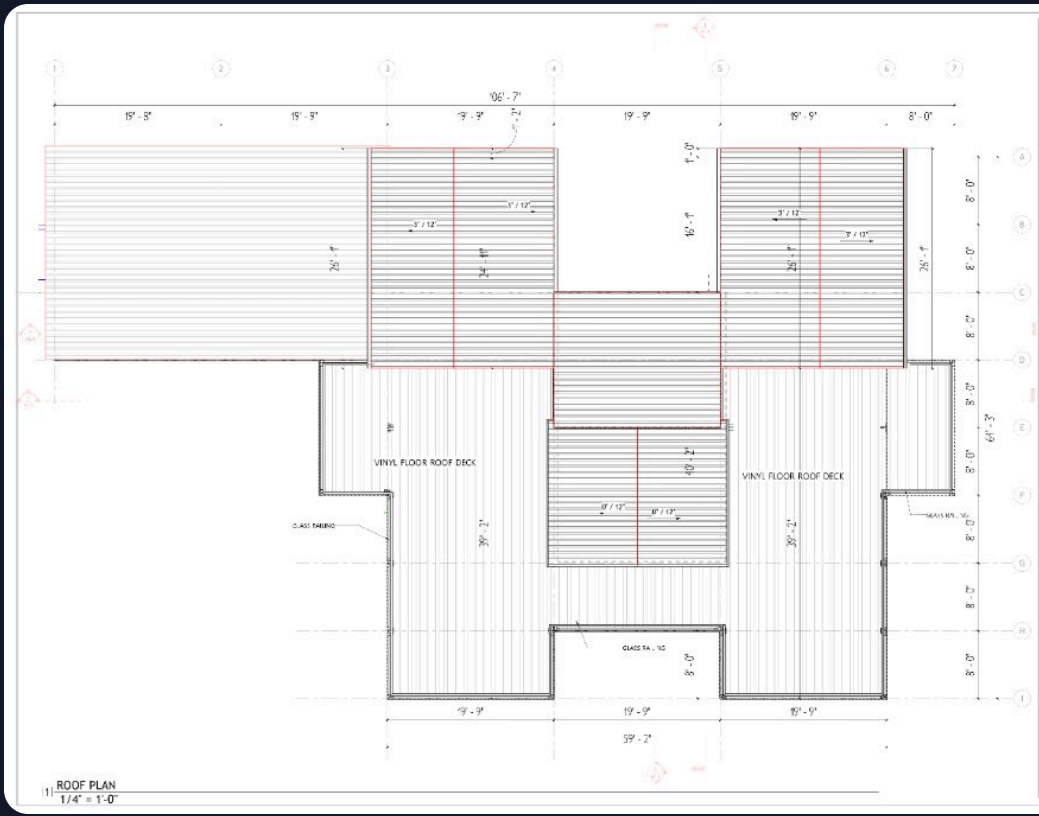
Email:MikeW@NEC247.com
CGC 1513128 H1 6661

Version 3.9
Revision Table

Revision	Description	Date

Sheet Name: THIRD FLOOR PLAN
Client: NAPLES3 LLC
Project Address: 3460 70TH AVE NAPLES FL 34120
Project No: PLAD_001
Date: Sep 25, 2020
Drawn By: SH
Checked By: Checker
Scale at ARCH D: 1/4" = 1'-0"

A1.3



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Email:MikeW@NEC247.com
CGC 1513128 H1 6661

Version 3.9
Revision Table

Revision	Description	Date

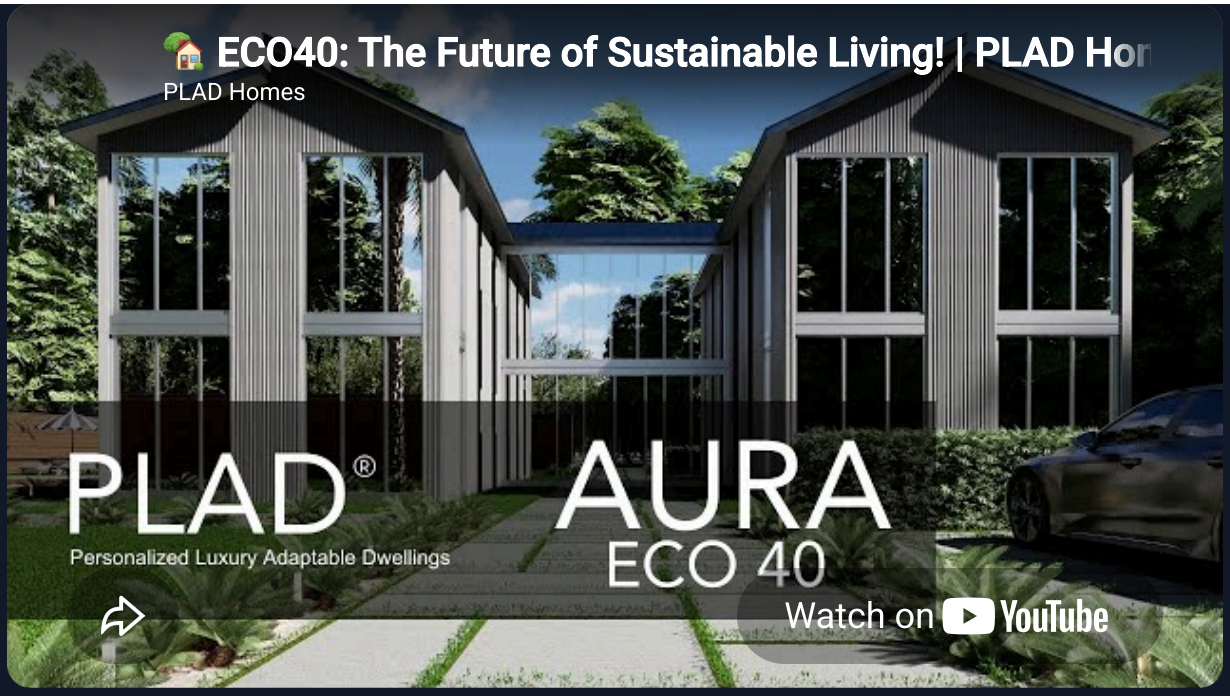
Sheet Name: ROOF PLAN
Client: NAPLES3 LLC
Project Address: 3460 70TH AVE NAPLES FL 34120
Project No: PLAD_001
Date: Sep 25, 2020
Drawn By: SH
Checked By: Checker
Scale at ARCH D: 1/4" = 1'-0"

A1.4

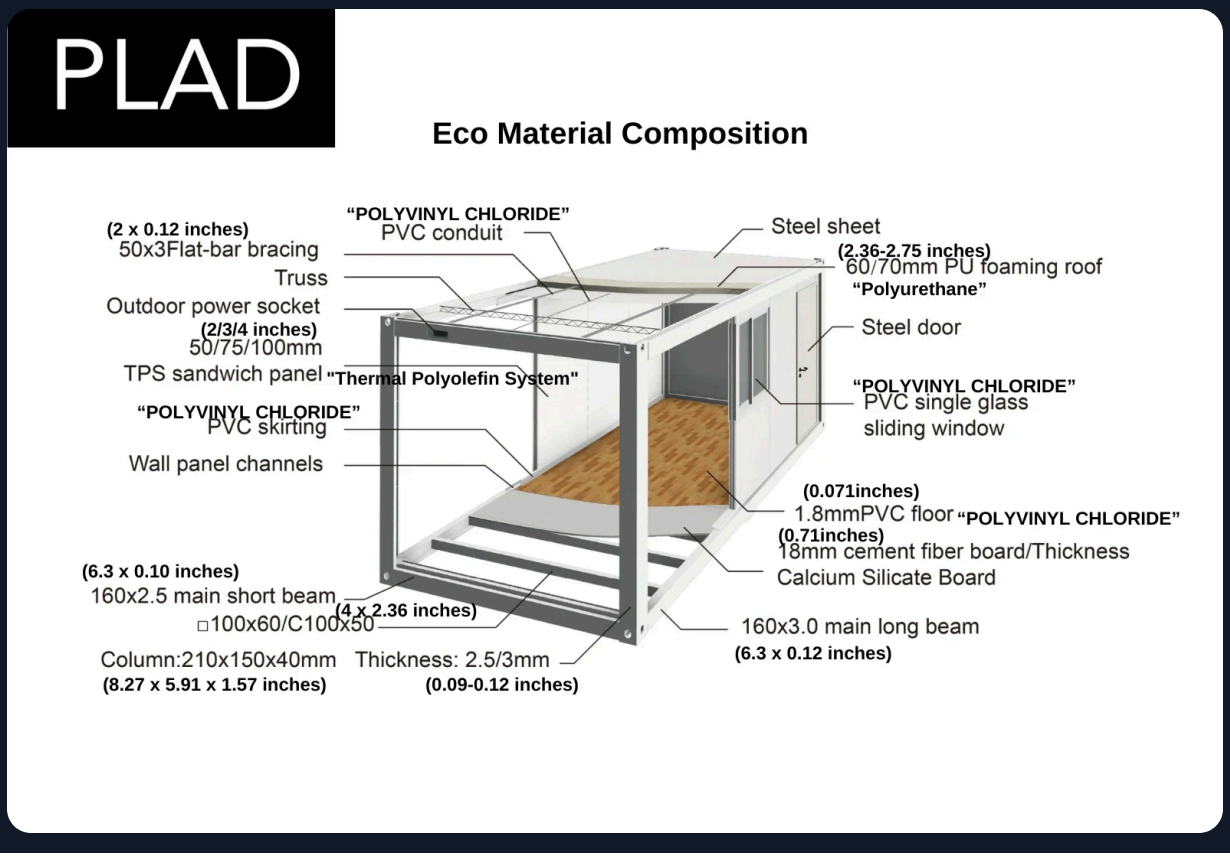
Videos

No media available for Videos.

3D Videos

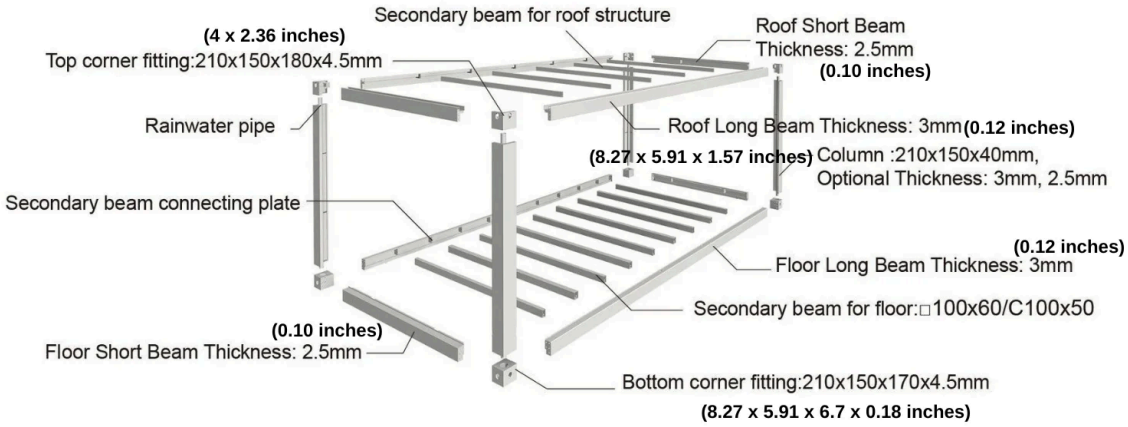

🏡 ECO40: The Future of Sustainable Living! | PLAD Hor
PLAD Homes
PLAD®
Personalized Luxury Adaptable Dwellings
AURA
ECO 40
Watch on YouTube

Material

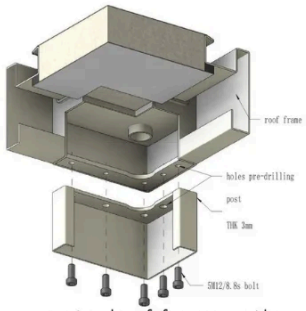

PLAD
Eco Material Composition
(2 x 0.12 inches)
50x3Flat-bar bracing
Truss
Outdoor power socket
(2/3/4 inches)
50/75/100mm
TPS sandwich panel
"Thermal Polyolefin System"
"POLYVINYL CHLORIDE"
PVC skirting
Wall panel channels
(6.3 x 0.10 inches)
160x2.5 main short beam
□100x60/C100x50
(4 x 2.36 inches)
Column:210x150x40mm
(8.27 x 5.91 x 1.57 inches)
Thickness: 2.5/3mm
(0.09-0.12 inches)
"POLYVINYL CHLORIDE"
PVC conduit
Steel sheet
(2.36-2.75 inches)
60/70mm PU foaming roof
"Polyurethane"
Steel door
"POLYVINYL CHLORIDE"
PVC single glass
sliding window
(0.071inches)
1.8mmPVC floor
"POLYVINYL CHLORIDE"
(0.71inches)
18mm cement fiber board/Thickness
Calcium Silicate Board
160x3.0 main long beam
(6.3 x 0.12 inches)

PLAD

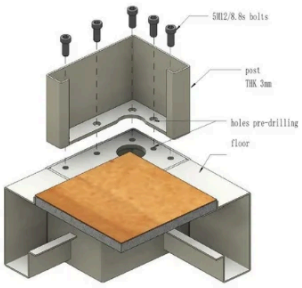
Eco Material Composition



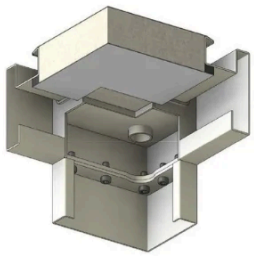
PLAD



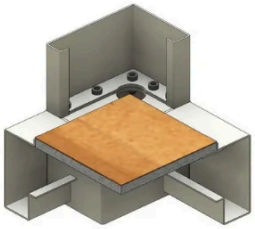
post and roof frame connection



post and floor frame connection



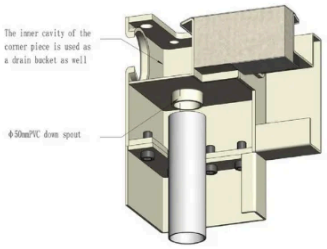
post and roof frame connection 2



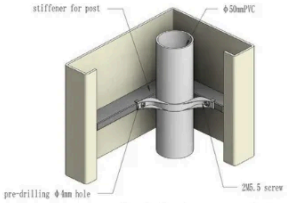
post and floor frame connection 2

PLAD

install down spout

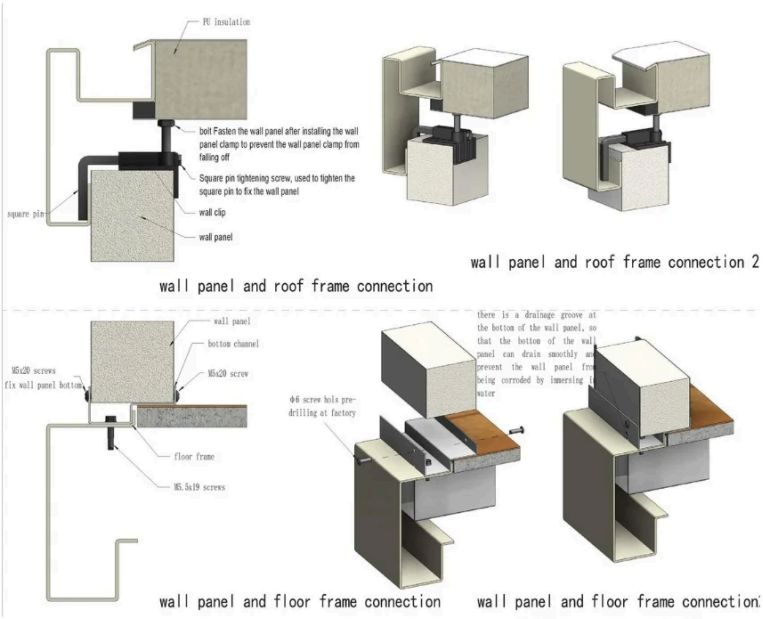


top part of down spout



install down spout hoop

PLAD

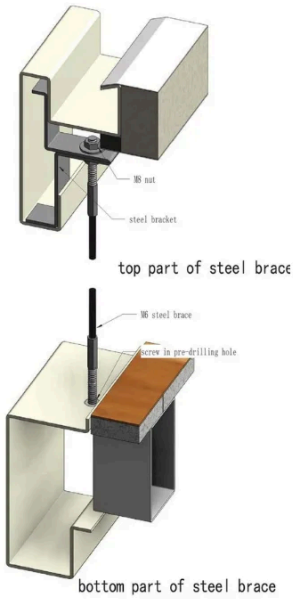


SUB STEEL BRACING

CORNER BLOCK

PLAD

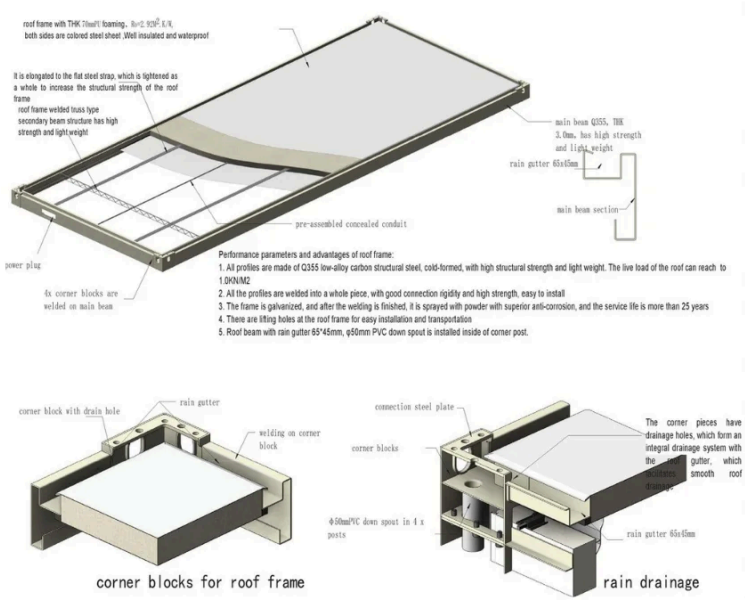
steel brace connection



SUB STEEL BRACING

CORNER BLOCK

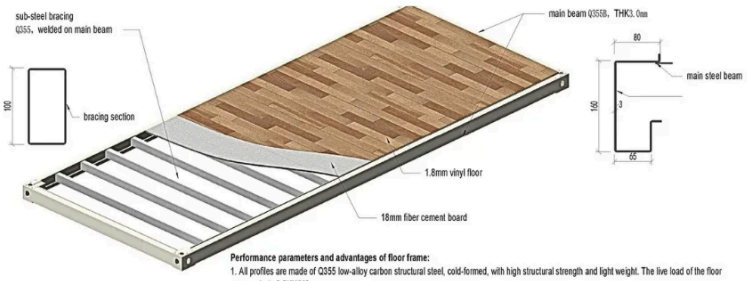
PLAD



SUB STEEL BRACING

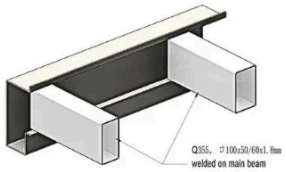
CORNER BLOCK

PLAD

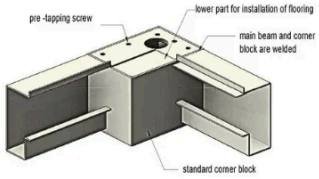


Performance parameters and advantages of floor frame:

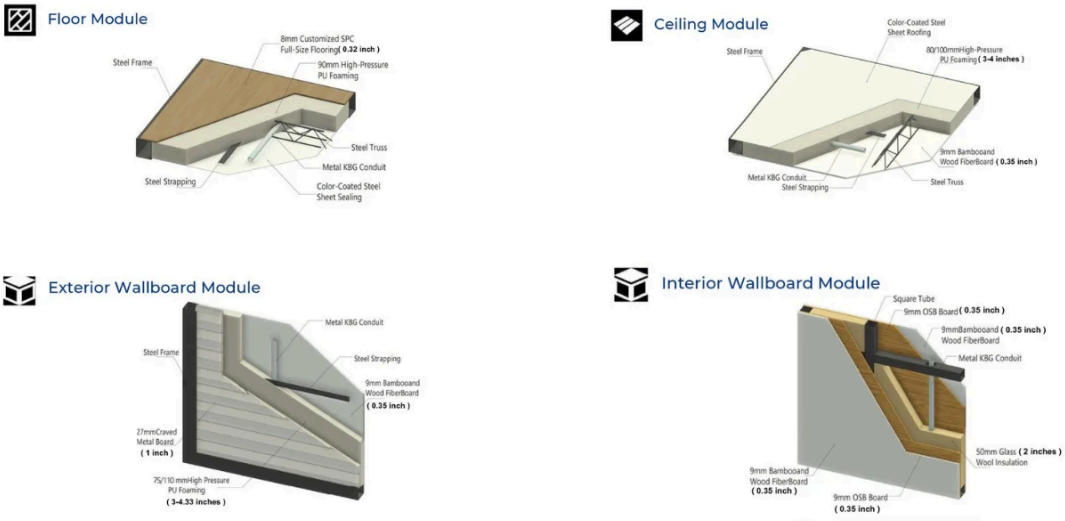
1. All profiles are made of Q355 low-alloy carbon structural steel, cold-formed, with high structural strength and light weight. The live load of the floor can reach to 2.5KN/M2
2. All the profiles are welded into a whole piece, with good connection rigidity and high strength, easy to install
3. The 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



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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