



ENGINEERING • INSPECTIONS
CERTIFICATIONS • TESTING



May 12, 2026

Cavco Mfg. LLC/Cavco – Plant City
605 South Frontage Road
Plant City, FL 33563

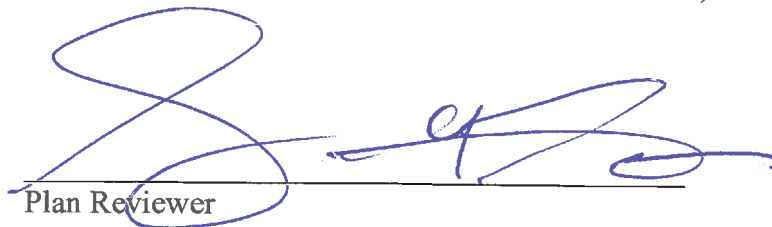
RE: Cavco Mfg. LLC/Cavco – Plant City
S/N Size & Occ: ASHLEY 340EL28603AMO; 26'-8"X 60'-0"; SFD
HWC Plan #: 2102-1797F

To Whom It May Concern:

This is to certify that the plans for the referenced manufactured building have been reviewed and approved as being in compliance with the 2023 Florida Codes and Standards, as noted on the approved drawings, subject to the following limitations:

1. Approval covers factory-built structure only. (Note: Any alterations to factory built structure on site voids state approval)
2. Items installed at the site are subject to review, approval, and inspection by the local authority having jurisdiction.
3. The Chapter 633 Plan Review and Inspection shall be conducted by the local fire safety inspector.
4. Signed and sealed plans shall be on file with HWC Engineering.
5. NOT approved for High Velocity Hurricane Zone (i.e. Broward and Dade Counties)

Sincerely,
HILBORN, WERNER, CARTER & ASSOCIATES, INC.


Plan Reviewer

HILBORN, WERNER, CARTER AND ASSOCIATES, INC.
1627 SOUTH MYRTLE AVENUE CLEARWATER, FLORIDA 33756
(727) 584-8151
FAX: (727) 586-3343 / (727) 585-2392 / (727) 587-0447
Modular Design Inspection

ASHLEY

340EL28603AMO

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G0.01	Title Sheet ☐N
A0.01	Code Sheet ☐N
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A2.02	Right & Left Elevations
A3.01	☐n Frame Cross Section
A3.01	☐n Frame Cross Section Notes
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-----	Florida Product Approvals
-----	FLA. RES.
IM.01	IM-Floor
IM.02	IM-Endwall
IM.03	IM-Fixed Peak

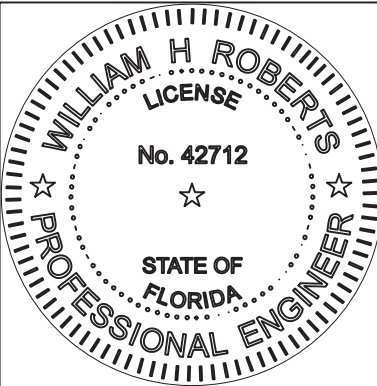
EGI

ENGINEERING GREAT IDEAS, INC
(A SUBSIDIARY OF ECLS GLOBAL, INC)

William H
Roberts

Digitally signed by William H Roberts
DN:
serialNumber=A01410C000001995867FE1F001374
63, 2.5.4.97=NTRUS+FL-P16000022871, o=EGI-
Engineering Great Ideas Inc., cn=William H Roberts,
sn=Roberts, givenName=William,
email=rroberts.egi@gmail.com, c=US
Date: 2026.05.11 10:28:49 -04'00'

WILLIAM H. ROBERTS, P.E. #42712
FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098
6790 NEW TAMPA HIGHWAY
SUITE 207
LAKELAND FL, 33815
OFFICE NO: (813) 752-7078



THIS ITEM HAS BEEN
DIGITALLY SIGNED AND
SEALED BY WILLIAM H.
ROBERTS, P.E. ON THE
DATE ADJACENT TO THE
SEAL.

SIGNATURE MUST
BE VERIFIED ON ANY
ELECTRONIC COPIES

Date 05-12-26 Plan No. 2102-1797F
Approved By SCOTT S. FRANCIS


Modular Building Plans Examiner
Florida License No. SMP-42

Plant Number: 69



Plant Information

P.E. William H. "Rob" Roberts, P.E.
6790 New Tampa Hwy,
Suite # 207
Lakeland, Florida 33815
Lic. # 42712

Palm Harbor Homes, Inc.
605 S. Frontage Road
Plant City, Florida 33566

Drawing Information

Model Number: 340EL28603AMO

Sales Name: ASHLEY

Series: ELITE

Date: 04-20-26

Drawn by: TH

Serial #: --

Dealer: --

Customer: --

3rd Party
Hilborn, Werner, Carter
and Associates(HWC)
1627 South Myrtle Ave
Clearwater, FL. 33756

State:
LISTING AGENCY APPROVAL
These prints comply with the Florida
Manufactured Building Act of 1979
Construction Code and adhere to the
following criteria:
CONST. TYPE VB
OCCUPANCY SFD
ALLOWABLE NO. OF FLOORS 1
WIND VELOCITY 160 ULT(3 SEC)
FIRE RATING OF EXT. WALLS 0
PLAN NO. 2102-1797F
ALLOW. FLOOR LOAD 40
APPROVAL DATE 05-12-26
MANUFACTURER PHH
HIGH VELOCITY HURRICANE ZONE NO
MUR 261 

Sheet Title: TITLE SHEET ON

Sheet Number: G0.01

Sheet NA of NA

Plan #: 2102-1797F

Plant Number: 69

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FLORIDA

STRUCTURAL LOAD LIMITATIONS:

1. FLOOR LIVE LOAD = 40 PSF

2. ROOF LIVE LOAD = 20 PSF

3. WIND LOAD: 160 mph (Ult) WIND SPEED (3 sec gusts)(Refer to floorplan)

4. BUILDING IS RISK CATEGORY II.

5. WIND EXPOSURE CATEGORY "D"

6. GCpi = 0.18 INTERNAL PRESSURE COEFFICIENT (ENCLOSED)

7. D.W.P. FOR C/C PSF

8. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARTMENT EXCEEDING 15 FEET IN HEIGHT.

9. FLOOD LOAD: THIS BUILDING MAY BE LOCATED IN A FLOOD HAZARD AREA PROVIDED NO MODULAR PORTION OF THE BUILDING IS LOCATED BELOW A BASE FLOOD ELEVATION.

On Frame Notes: On-frame, piersd units (piersd units where frames remain in place) are limited to 160 mph (Ult) and non-elevated design pressures only. Elevated pressures and pressures over 160 (Ult) do not apply to on-frame, piersd units.

NOTE:
NON-ELEVATED SET - 20'-0" MAX

ASCE 7-22

Design Wind Pressures for C&C (PSF)					
Pr=Roof C&C load (EA=20)					
Wind speed:	150				160
Zone 1	-69.6				-79.2
Zone 2	-87.6				-99.6
Zone 3	-103.39				-117.6
Roof Overhang (EA=10)					
Zone 2	-70.2				-79.9
Zone 3	-118.1				-134.4
Pw= Wall C&C load, Wdws & Doors (EA=10)					
Zone 4	37.7				42.9
Zone 5	37.7				42.9
Zone 4	-40.8				-46.4
Zone 5	-50.3				-57.3
Porch - (EA=20,Main) (EA=10, Eave)					
Main	Zone 1	-44.4			-50.5
	Zone 2	-66.6			-75.8
	Zone 3	-93.6			-106.5
Eave	Zone 1				
	Zone 2	-87.2			-99.3
	Zone 3	-87.2			-153.4
Design pressures (DP) apply only for wind speeds > 114 mph. See appropriate Risk Cat Table.					
Wind Speeds in Table Header are Ultimate 3-Sec.Gusts per ASCE 7-22					
Window and Door DP ratings must meet or exceed those listed above for					
Zone 5 (within 4ft of ea corner), or Zone 4 (interior), for desired wind speed.					

General Notes –FBC 8th EDITION (2023) RESIDENTIAL

1. Designs per the Florida Building Code in effect at time of production.

2. Reserved

3. Reserved.

4. Occupancy is Residential (SFD)

5. Construction is type V–B.

6. Occupant load is based upon one person for each 200 sq. ft. of floor area.

7. Floor Live Load = 40 p.s.f.

8. Roof Live Load = 20 p.s.f.

9. Wind speed – See details in this approved package for specifics.

11. All materials covered by the Florida Building Commission chapter 61 G20–3.006 rules shall have current Florida Product Approvals.

13. 100% of all permanently installed lighting fixtures shall have high efficacy lamps

14. Unless specifically noted on the approved plans and details, this building is **NOT** designed (nor intended) to be located in "High Velocity Hurricane Zones" (Dade and Broward Counties).

It is the responsibility of the contractor and/or retailer to verify that each home is installed in the region for which it has been designed and constructed and that NO home is installed into "High Velocity Hurricane Zones" (Dade or Browad county). This modular building may be sited in "Regulatory Flood Plain Areas" and/or "V–Zone Areas" only when the foundation has been designed, engineered and constructed to comply with the Florida Building Codes governing those specific zones, areas or regions. No part of the modular building may be placed below base flood elevation. Palm Harbor Homes and its third party approval agency(s), along with the architect and/or the engineer of the building plans, shall not be held responsible or liable, if a contractor and/or retailer installs a home into a region for which it has not been designed and/or constructed. The contractor and/or retailer shall bear sole responsibility.

15. Data plate, state label shall be located on the inside cover of or near the electrical panel.

16. Raised seal prints are on file in the office of HWC, Inc.

17. Plan review and inspection required by Chapter 633 F.S. to be handled by local fire inspector.

18. This building is designed for a permanent foundation and is NOT intended to be moved once so installed.

19. These plans may be mirrored or flipped about any axis without reapproval.

Mechanical Notes – 8th EDITION FBC (2023) MECHANICAL CODE

1. All supply air registers are adjustable, except where otherwise specified on the plans.

2. Whole house ventilation will be applied based on FBCR, R403.6 & M1507.3

3. Restroom vent fans shall provide 50 cfm minimum of ventilation.

4. Vent fans shall be ducted to the exterior of home.

5. Reserved

6. ALL ducts and duct system components installed in the attic area with insulation are a minimum R–value of R–6.0 (based on simulated performance method of compliance).

7. ALL ducts and duct system components installed on the exterior of the building (including the crawl space below), shall have a minimum R–value of R–6.0. NOTE:If this building is located in a jurisdiction that has adopted the ordinance for RADON RESISTANT CONSTRUCTION, RULE 9B–67, FLORIDA STATUTE 553.98, return air ducts and plenums shall be not be located in the crawl spaces.

Attention Local Building Inspections Department:
The following items have not been completed by the manufacturer, have not been inspected by HWC and are not certified by the State of Florida, Department of Business & Professional Regulations Insignia (label). Note: This list does not necessarily limit the items, work and/or materials that may be required for a complete installation. ALL SITE INSTALLED ITEMS ARE SUBJECT TO APPROVAL BY THE LOCAL JURISDICTION HAVING AUTHORITY. Code compliance for those site installed items shall be determined at the local level and are the responsibility of the licensed contractor installing the building and NOT Palm Harbor Homes.

Site module interconnections

See NON_INDEXED attached pages:

1. For floor mating line structural interconnections see attached page: IM.01

2. For endwall mating line structural interconnections see attached page: IM.02

3. For roof fixed truss mating line structural interconnections see attached page: IM.03

4. For 2–story module interconnections see attached page: IM.06 (If applicable)

Plumbing Systems – 8th EDITION FBC (2023) PLUMBING CODE

1. All systems shall be constructed with the materials listed in FBC, PLUMBING CODE – Plumbing with materials listed in chapters 25 through 33.

2. DWV systems may be ABS OR PVC piping.

3. Tub access provided under home, unless otherwise noted.

4. Building drain and clean–outs, when designed and site installed by others, are subject to local jurisdiction approval.

5. Water heater shall have a safety pan with 3/4 inch minimum drain to the exterior.

6. Water heater T & P relief valve to drain to exterior.

7. Thermal Expansion device, if required by water heater installation instructions, and if NOT shown on the approved plumbing plan, shall be designed and installed on–site, by others and is subject to local approval.

8. All plumbing fixtures to have separate shutoff valves.

9. Shutoff valve to be installed within three feet of the fresh water inlet to the home (site installed, by others).

10. Water supply pipes installed in a wall exposed to the exterior shall be located on the heated side of the wall insulation. Water lines located in unconditioned spaces to be insulated with minimum R–3.5 insulation.

11. Water supply lines shall be PEX, CPVC or copper.

12. ALL supply 'crossover' piping to be connected on–site by others.

13. Shower stalls shall be covered with a nonabsorbent material to a height of 70 inches above finished floor (may be on–site).

14. Showers shall be controlled by an approved mixing valve with a maximum outlet temperature of 120° F (49° C).

15. ALL on–site plumbing shall be installed by a licensed plumbing contractor. ALL on–site plumbing is subject to inspection and approval by the local authority having jurisdiction.

16. Water hammer arrestors are required when flow velocity will cause water hammer.

17. Provide heat traps if required per FLORIDA ENERGY CODE 403.5.5

Site Installed Items:

(This list contains examples and shall not be considered all inclusive)

1. The complete foundation and tie–down systems.

2. Ramps, stairs and general access to the building.

3. Building drains, clean–outs and hookup to the plumbing system.

4. Any portable fire extinguisher(s) that may be required.

5. Electrical service hookup (including feeders) to the building.

6. The main electrical panel and sub–feeders (multi–section units).

7. Structural and aesthetic interconnections between modules (multi–section units).

8. Exterior siding and/or roofing may be installed in the factory or left off to be installed on–site, by–others.

9. Exterior wall finish and soffit materials.

10. Window protection, storm shutters.

11. Bottom of floor wind protection (when required).

12. Crossover duct and connections (HVAC) if multi section only.

13. HVAC disconnect.

14. Fireplace chimney.

15. Gable wall framing, chimney.

16. HVAC equipment.

17. Combustion Gas Venting, Combustion Air Intake.

18. A.A.V. (Air Admittance Valves)

19. Optional elevator is designed and installed on site by others.

20. Blower door test and whole house ventilation (if required).

Some of these items may be installed in the factory at the discretion of plant management. If the items are installed and inspected at the production facility, then local approval is not required.

21. Outdoor Emergency Disconnect and Disconnect Markings

22. Surge Protection Devices (SPD)

23. Cook–top and all gas piping, piping design, testing and connections are designed on site by others and are subject to local inspection.

CODE SUMMARY

STATE: FLORIDA

RESIDENTIAL:
FBC 8th EDITION (2023)
RESIDENTIAL

FIRE PREVENTION:
2023 FFPC
8th Edition FL. FIRE
PREVENTION

ELECTRICAL:
8TH EDITION, (2023) FBC,
RESIDENTIAL CODE, CHAPTERS
34 THROUGH 41 & NFPA
2020, NATIONAL ELECTRIC
CODE (NEC)

MECHANICAL:
8th EDITION (2023) FBC,
MECHANICAL CODE

PLUMBING:
8th EDITION (2023) FBC
PLUMBING CODE

ACCESSIBILITY:
FBC 8th EDITION (2023)
ACCESSIBILITY

ENERGY:
FBC 8th EDITION (2023)
ENERGY CONSERVATION CODE

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Approximate Square Footage of Building:
(see table on A0.02)

Florida product approvals are on file with third party.

EGIENGINEERING GREAT IDEAS, INC
(A SUBSIDIARY OF ECLS GLOBAL, INC)

William H
Roberts

Digitally signed by William H Roberts
DN:
serialNumber=A01410C000001955867FE1F00137463, 2.5.4.97=ATRUS-FL-P1600022871, o=EGI-Engineering Great Ideas Inc., cn=William H Roberts, sn=Roberts, givenName=William, email=roberts.eg@gmail.com, c=US
Date: 2026.05.11 10:50:35 -0400

WILLIAM H. ROBERTS, P.E. #42712
FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098
6790 NEW TAMPA HIGHWAY
SUITE 207
LAKELAND FL, 33815
OFFICE NO: (813) 752-7078

WILLIAM H ROBERTS
LICENSE
No. 42712
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN
DIGITALLY SIGNED AND
SEALED BY WILLIAM H.
ROBERTS, P.E. ON THE
DATE ADJACENT TO THE
SEAL.

SIGNATURE MUST
BE VERIFIED ON ANY
ELECTRONIC COPIES

Plant Number:
69

P.E. William H. "Rob" Roberts, P.E.
6790 New Tampa Hwy,
Suite # 207
Lakeland, Florida 33815
Lic. # 42712

Drawing Information
Model Number: 340EL28603AMO
Sales Name: ASHLEY
Series: ELITE

Dealer: --
Customer: --
3rd Party
Hilborn, Werner, Carter
and Associates(HWC)
1627 South Myrtle Ave
Clearwater, FL. 33756

State:
LISTING AGENCY APPROVAL
These prints comply with the Florida
Manufactured Building Act of 1979
Construction Code and adhere to the
following criteria:
CONST. TYPE VB
OCCUPANCY SFD
ALLOWABLE NO.
OF FLOORS 1
WIND VELOCITY 160 ULT(3 SEC)
FIRE RATING OF
EXT. WALLS 0
PLAN NO. 2102-1797F
ALLOW. FLOOR
LOAD 40
APPROVAL DATE 05-12-26
MANUFACTURER PHH
HIGH VELOCITY
HURRICANE ZONE NO

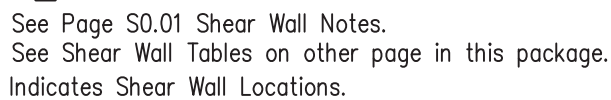
MUR 261

Sheet Title:
CODE SHEET ON
Sheet Number
A0.01
Sheet
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of
NA
Plan #:
2102-1797F

Palm Harbor Homes

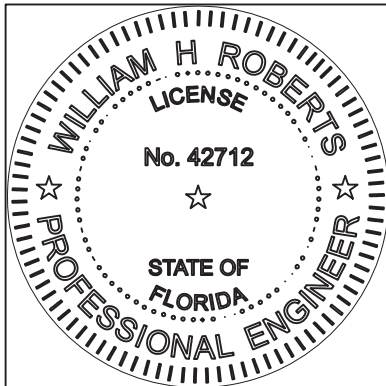
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1. The building may be constructed in an exact mirror image about its axis without any re-approval of the plans (building may be "flipped" side to side and/or front to rear).
2. Optional horizon windows may be added at any location without re-approval. Provided that shear walls are not affected. The energy calculations shall be revised to include the added horizon windows.
3. Minimum corridor width is 36".
4. All glazing within a 24 inch arc of doors, whose bottom edge is less than 60 inches above the floor, and all glazing in doors shall be tempered or acrylic plastic sheet.
5. Shear walls are designed either worst case or plan specific. When designed to worst case, shear walls are designed with sidewalls @ 108" height and 6-12 roof pitch. When shear walls are designed plan specific, see floor plan (typically page A1.01) for sidewall and roof pitch limitations.
6. Please refer to the code sheet of this package for additional notes and requirements. See shear wall notes and shear wall tables for shear wall construction requirements.
7. Exterior walls are no more than 9'-0" max unless otherwise noted.
8. When roof construction is cathedral ceilings, attic access shown on the plans are not required when the dimension between chord members is less than 30".
9. When designing your own foundation, add 1" to overall width shown on floor plan per module to accommodate growth from sheathing and strapping.
10. Sidewalls are 4" or 6" up to 150 mph (Ult). Sidewalls are 6" for winds above 150 mph (Ult).
6. Nationwide homes is a division of Palm Harbor Homes. Any construction in this unit not included in this package must be done in accordance with the Palm Harbor Homes of Florida Manual..
7. Unless otherwise indicated on truss design, trusses spaced per chart. As and alternate to the chart spacing, the trusses may be doubled in the end zones.
8. For truss tie-down and attachment to top plate of exterior wall, see approved Modular Manual G-180 3.3 & 3.3.1



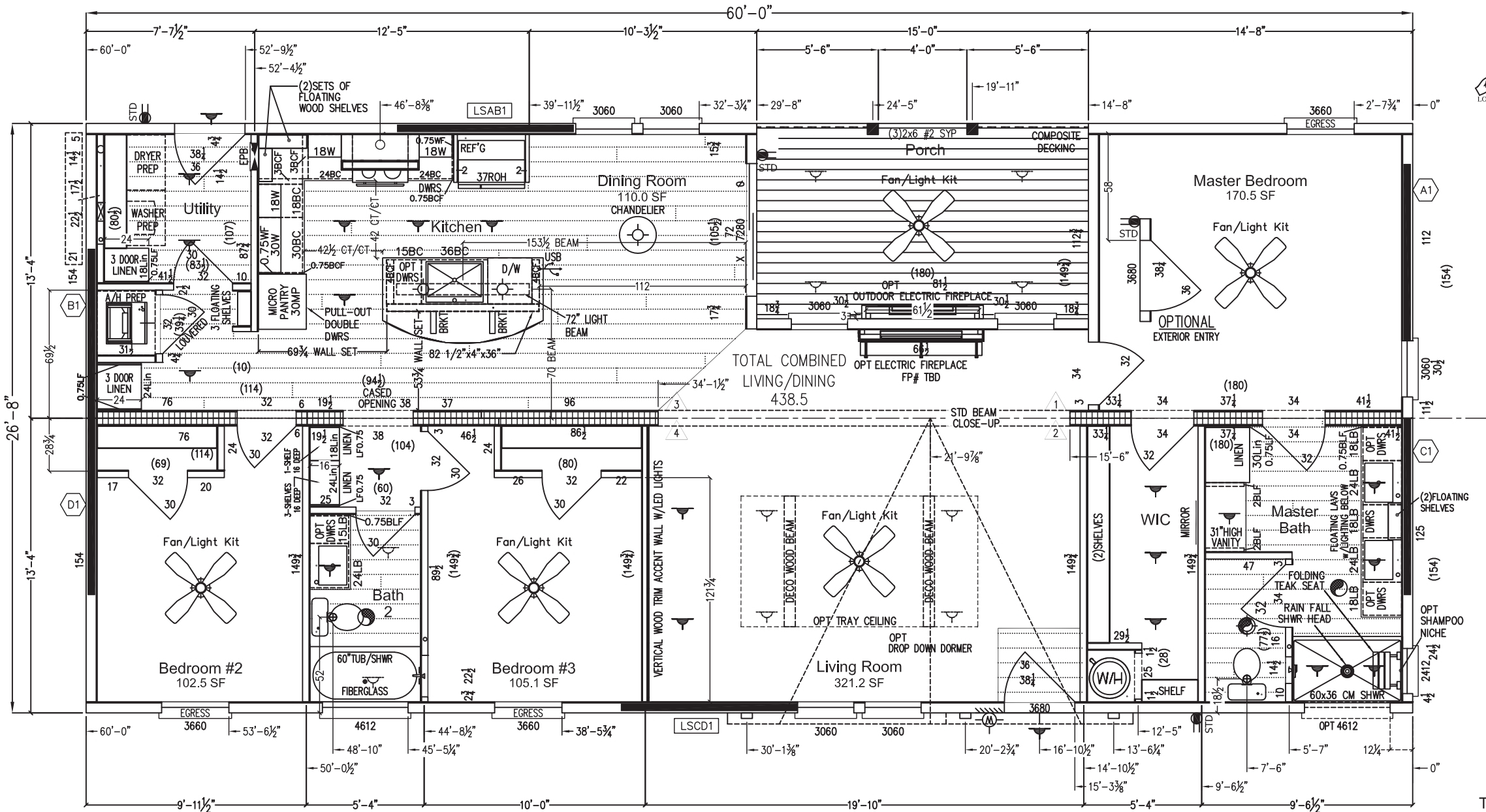
Vasd	Vult (mph)		TRUSS SPACING	
	EXP. C	EXP. D	END ZONE	INT ZONE
115 MPH	148 MPH	137 MPH	24" O.C.	24" O.C.
120 MPH	155 MPH	141 MPH	24" O.C.	24" O.C.
130 MPH	168 MPH	153 MPH	16" O.C.	24" O.C.
140 MPH	181 MPH	165 MPH	16" O.C.	16" O.C.
150 MPH	194 MPH	177 MPH	12" O.C.	16" O.C.
175 MPH	226 MPH	208 MPH	12" O.C.	16" O.C.

Kinro / Shwinco Window Chart		
Size	Square Foot Light	Square Foot Vent
20X22 TRAP	2.5	0
24x36	4.3	2.15
24X60	7.69	3.84
24X12	2.070	0.00
36x60	12.20	6.14
36x12	2.17	0.00
30x60	9.95	5.03
30x36	5.55	2.76
30x12	1.75	0.00
14x36	2.48	1.30
18x40	3.54	1.86
30x42	6.55	0.00
64x12	4.90	5.20
46x12	3.28	0.00
48X12	3.40	0.00
48X72	22.36	0.00
46X36	8.96	4.21
54X40	12.42	6.80
Door Chart		
Size	Square Foot Light	Square Foot Vent
36x80 Atrium	9.00	0.00
36x80 Door	4.90	0.00
72x80 S.G.D.	32.18	16.33
76X80 Dbl French	8.12	0.00
36x80 Single French	4.00	0.00



SIGNATURE MUST
BE VERIFIED ON ANY
ELECTRONIC COPIES

P.E.: William H. "Rob" Roberts, P.E. 6790 New Tampa Hwy, Suite # 207 Lakeland, Florida 33815 Lic. # 42712		Plant Number: 69				Palm Harbor Homes	
Drawing Information		Model Number: 340EI28603AMO		Sales Name: ASHLEY		Series: ELITE	
Date: 04-20-26		TH		Serial #:		---	
Dealer: --		Customer: --		3rd Party		Hilborn, Werner, Carter and Associates (HWC) 1627 South Myrtle Ave Clearwater, FL. 33756	
State:		LISTING AGENCY APPROVAL		These prints comply with the Florida Manufactured Building Act of 1979 Construction Code and adhere to the following criteria:		CONST. TYPE VB OCCUPANCY SFD ALLOWABLE NO. OF FLOORS 1 WIND VELOCITY 160 ULT(3 SEC) FIRE RATING OF EXT. WALLS 0 PLAN NO. 2102-1797F ALLOW. FLOOR LOAD 40 APPROVAL DATE 05-12-26 MANUFACTURER PHH HIGH VELOCITY HURRICANE ZONE NO	
MUR 261				Sheet Title:		CONSTRUCTION NOTES	
Sheet Number		A0.02		Sheet		NA of NA	
Plan #:		2102-1797F		Sheet		NA of NA	



WALL OPT NOTE: ALL INTERIOR WALLS AND MARRIAGE WALLS ARE 4" UNLESS OTHERWISE NOTED

EGI

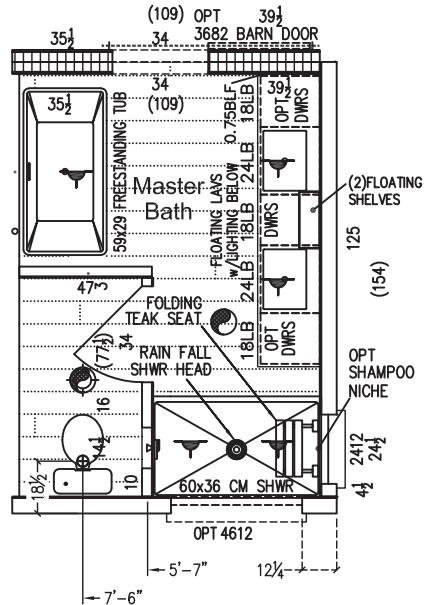
ENGINEERING GREAT IDEAS, INC
(A SUBSIDIARY OF ECLS GLOBAL, INC)

William H Roberts

Digitally signed by William H Roberts
DN:
serialNumber=A01410C00001995867FE1F00137
463.254.97+NTROUS-FL-P1600022871, o=EGI-
Engineering Great Ideas Inc, cn=William H
Roberts, sn=Roberts, givenName=William,
email=roberts.egi@gmail.com, c=US
Date: 2026.05.11 10:31:06 -04'00'

WILLIAM H. ROBERTS, P.E. #42712
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SUITE 207
LAKELAND FL, 33815
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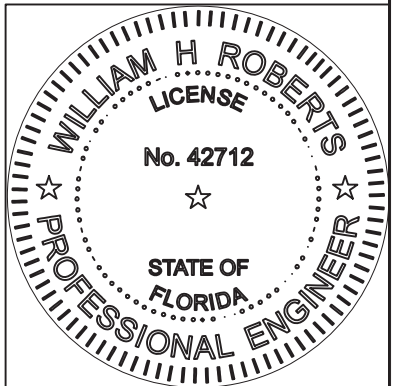
Total Under Roof Area
1600.0 SF
Total Conditioned Area
1467.5 SF
1' 4'



(DYN) NOTE TO CONTRACTORS:

- WHEN PLANNING THE FOUNDATION LAYOUT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LENGTH, WIDTH, AND OTHER STANDARD OR OPTIONAL FEATURES SUCH AS BAYS, OFFSETS, PORCHES, ETC., AGAINST THE FACTORY-AUTHORIZED DOCUMENTS OR A SERIALIZED PRINT. CONTACT YOUR FACTORY REPRESENTATIVE FOR MORE INFORMATION.
- WHEN PLANNING THE FOUNDATION LAYOUT, THE FOUNDATION WALL'S OUTSIDE TO OUTSIDE DIMENSION SHOULD BE 1" WIDER THAN THE FLOOR PLAN WIDTH SHOWN ON THE FLOOR PLAN PAGE FOR TWO-SECTION HOMES AND 1 1/2" FOR THREE-SECTION HOMES TO ACCOMMODATE MATERIALS GROWTH.

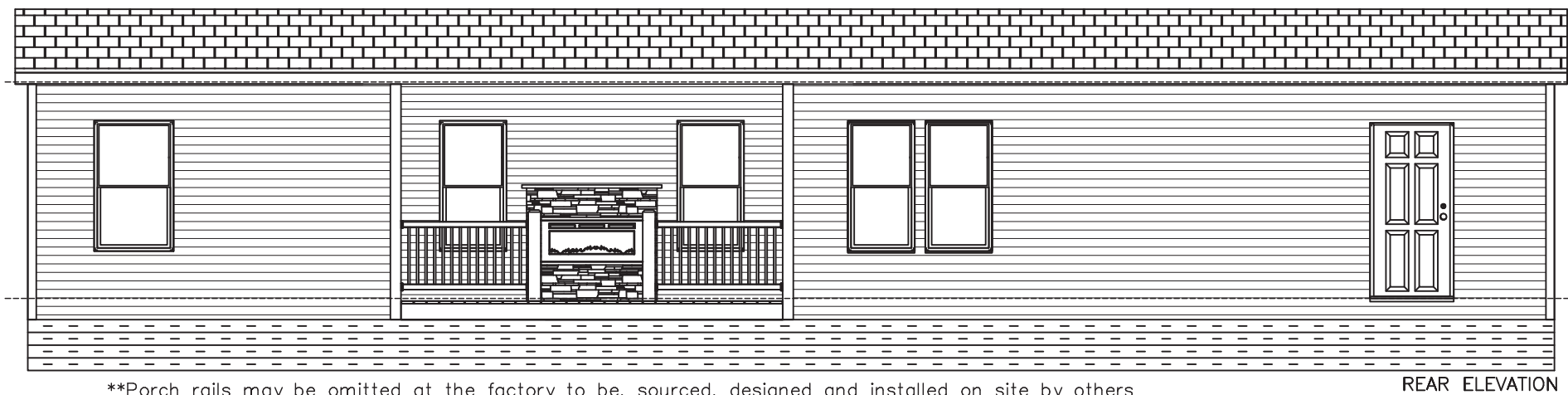
OPTIONAL
MASTER BATHROOM

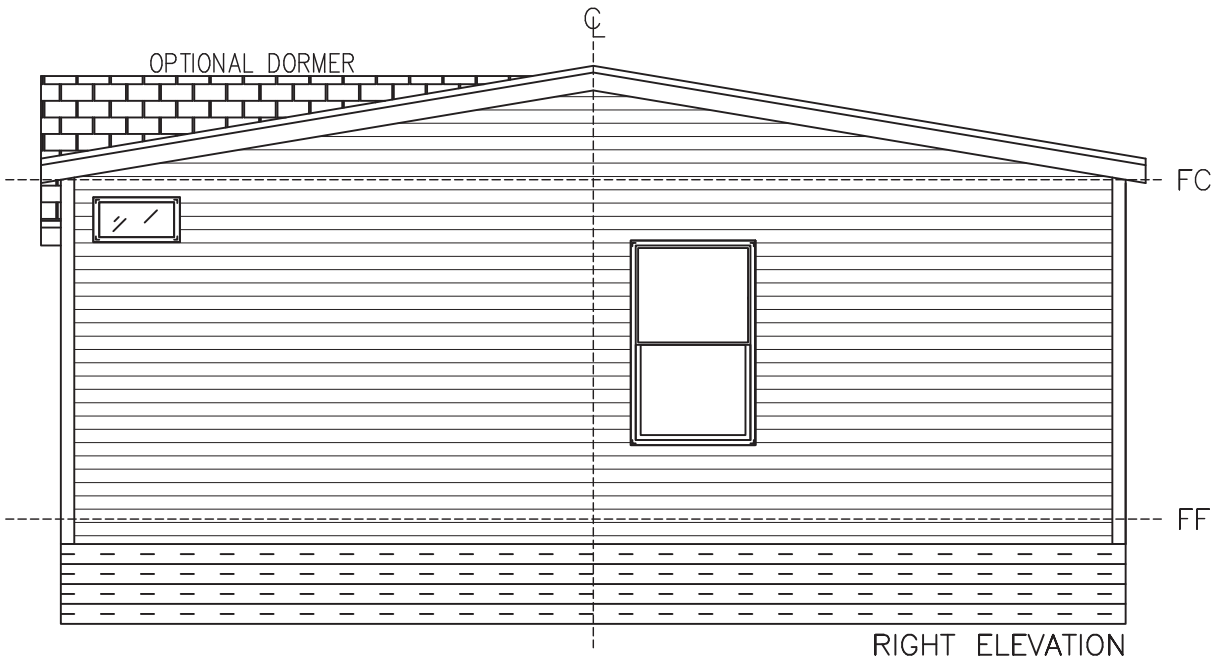
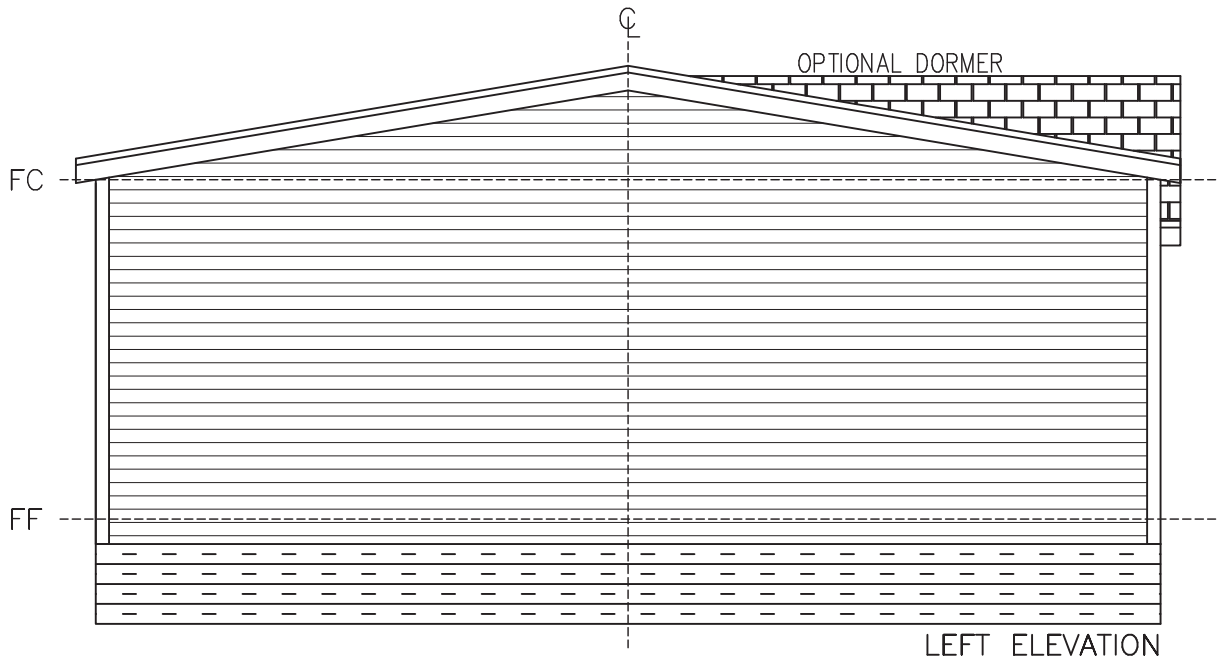


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ROBERTS, P.E. ON THE
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ELECTRONIC COPIES

Plant Number: 69		P.E. William H. "Rob" Roberts, P.E. 6790 New Tampa Hwy, Suite # 207 Lakeland, Florida 33815 Lic. # 42712		Plant Information		Palm Harbor Homes, Inc. 605 S. Frontage Road Plant City, Florida 33566		© Copyright 2026 Palm Harbor Homes, Inc. All Rights Reserved	
Drawing Information		Model Number: 340EL28603AMO		Sales Name: ASHLEY		Series: ELITE		Date: 04-20-26	
Dealer: --		Customer: --		3rd Party		Hilborn, Werner, Carter and Associates(HWC) 1627 South Myrtle Ave Clearwater, FL. 33756		State:	
LISTING AGENCY APPROVAL These prints comply with the Florida Manufactured Building Act of 1979 Construction Code and adhere to the following criteria:		CONST. TYPE VB		OCCUPANCY SFD		ALLOWABLE NO. OF FLOORS 1		WIND VELOCITY 160 ULT(3 SEC)	
FIRE RATING OF EXT. WALLS 0		PLAN NO. 2102-1797F		ALLOW. FLOOR LOAD 40		APPROVAL DATE 05-12-26		MANUFACTURER PHH	
HIGH VELOCITY HURRICANE ZONE NO		MUR 261		IWC		Sheet Title: FLOORPLAN		Sheet Number A1.01	
Sheet		NA		of NA		Plan #: 2102-1797F			





FF = FINISHED FLOOR
FC = FINISHED CEILING
UC = UNIT INTERCONNECTION



(DYN) Exterior Elevation Notes:

1. Roof ventilation may be accomplished through the use of either ventilated eaves, roof vents or ridge ventilation. Either or all of these methods may also be used separately or in combination to provide the minimum required roof ventilation of $\frac{1}{150}$ OR $\frac{1}{300}$, see Florida Energy Calculations.
2. Roof overhang (eave) sizes may vary. Roof overhangs are typically a nominal 6” eave or optional 12” approximately 11 1/4” wide.
3. Bath exhaust fans (ventilated air) shall exhaust directly to the exterior of the home and shall not exhaust into the roof and/or other concealed cavity or area.
4. The elevations shown above are typical and may vary due to optional and/or custom features or specific customer requests.
5. Siding may be approved vinyl or cementious and either vertical or horizontal per manufacture’s instructions.
6. Steps and handrails are installed onsite by others or at the factory at the factory’s discretion.
7. If window sills are greater than 72” from grade and less than 24” above finish floor, builder is responsible for providing and installing window guards.
8. Exterior doors are fiberglass unless otherwise noted on the plans.
9. When shingles are installed, they are fiberglass, wind resistance: D3161 ”Class F” – resistance to fire: ”CLASS A”.
10. Windows are Low–E, insulated.

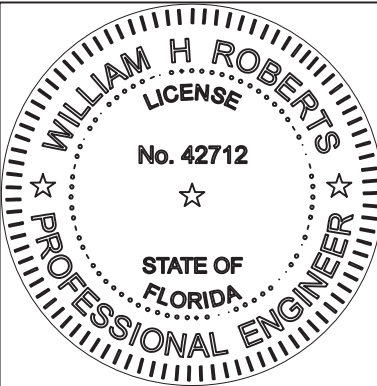
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ENGINEERING GREAT IDEAS, INC
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William H
Roberts

Digitally signed by William H Roberts
DN:
serialNumber=A01410C00001995867FE1F
00137463, 2.5.4.97=NTRUS+FL-
P16000022871, o=EGI- Engineering Great
Ideas Inc., cn=William H Roberts,
sn=Roberts, givenName=William,
email=eroberts.egi@gmail.com, c=US
Date: 2026.05.11 10:31:40 -0400'

WILLIAM H. ROBERTS, P.E. #42712
FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098
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SUITE 207
LAKELAND FL, 33815
OFFICE NO: (813) 752-7078



THIS ITEM HAS BEEN
DIGITALLY SIGNED AND
SEALED BY WILLIAM H.
ROBERTS, P.E. ON THE
DATE ADJACENT TO THE
SEAL.

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Drawing Information Model Number: 340EL28603AMO Sales Name: ASHLEY Series: ELITE							
Dealer: --		Customer: --		3rd Party Hilborn, Werner, Carter and Associates(HWC) 1627 South Myrtle Ave Clearwater, FL. 33756		State: LISTING AGENCY APPROVAL These prints comply with the Florida Manufactured Building Act of 1979 Construction Code and adhere to the following criteria: CONST. TYPE VB OCCUPANCY SFD ALLOWABLE NO. OF FLOORS 1 WIND VELOCITY 160 ULT(3 SEC) FIRE RATING OF EXT. WALLS 0 PLAN NO. 2102-1797F ALLOW. FLOOR LOAD 40 APPROVAL DATE 05-12-26 MANUFACTURER PHH HIGH VELOCITY HURRICANE ZONE NO	
Sheet Title: RIGHT & LEFT ELEVATIONS		Sheet Number A2.02		Sheet NA of NA		Plan #: 2102-1797F	

DOUBLE WIDE ON FRAME CROSS-SECTION NOTES

Typical Foundation System

- 1a. Concrete runner and piers
- 2a Pressure treated sill plate blocking as required
- 3a. Termite Shield around full perimeter
- 4a/5a Pier support and footers @ columns
- 6a Concrete pad and piers
- 7a Termite shield around full perimeter
- 8a Lags/washers @ I-beam to joists (factory installed)
- 9a Main Frame I-beam
- 10a Factory outriggers
- 11a Factory cross members
- 12a 6-mill poly
- 13a Double head J-anchors along each sidewall footer
- 14a Double head J-anchors at centerline column footers for large openings

Floor System

Floor Joists

- 1b. Single rim joist – opt. double.
- 2b Floor joists:
 - Up to 164” unit width, 2x6 #2 S.P.F. 16” O.C. max. or 2x8 #2 S.P.F. @ 24” O.C., 165” up to 180” unit width, 2x8 #2 S.P.F. 24” O.C., Up to 186” unit width, 2x8 #2 S.P.F. 16” O.C. max
- 3b. Insulated duct – sized per manual D
- 4b. Insulated, fiberglass duct board
- 5b. Drain lines, see model layout for material types and sizes
- 6b. PEX water distribution system – see model layout for sizing
- 7b. Floor insulation, fiberglass batts or blanket, cellulose, or foam – see Energy Calculations for R-value
- 8b. Floor sheathing – OSB or Plywood, 5/8” or 3/4”.
- 9b. Floor covering – vinyl, carpet, wood laminate, or ceramic tile
- 10b. Bottom board vapor and air barrier

Exterior wall

- 1c. 1/2” or 3/8” gypsum, painted or vinyl clad
- 2c. Min. 2x4 bottom plate, 2x6 optional
- 3c. 2x4 wall studs, optional 2x6
- 4c. Double top plate on 2x4 walls, single top plate 2x6 walls
- 5c. Opening headers
- 6c. Insulation per approved calculations with model package

- 7c. Windows and doors
- 8c. Rated sheathing
- 9c. Exterior siding – vertical or horizontal cementious, or vertical or horizontal vinyl – requires weather-resistive (house wrap)
- 10c Vapor barrier, may be omitted with foam insulation

Interior walls

- 1d 1/2” or 3/8” gypsum, painted or vinyl clad
- 2d Min. 2x3 bottom plate
- 3d Min. 2x3 wall studs
- 4d Min. 2x3 top plates
- 5d Opening header when required

Roof System

- 1e. Soffit
- 2e. Fascia
- 3e. 1/2” high strength gypsum or approved suspended ceiling material.
- 4e. Engineered trusses spaced per truss and model design or factory taper-cut trusses
- 5e. Optional overhead ducts
- 6e. Shingles or ribbed metal over OSB roof sheathing
- 7e. Truss rim rail
- 8e. Insulation per approved calculations with model package
- 9e Minimum 1x6 sub-fascia.
- 10e Ridge beam
 - 3 Layer Beam
 - 4 Layer Beam
 - Open Beam
 - LVL or LSL
- 11e Upper Roof Vent Handle as:
 - Vented Ridge cap (as shown)
 - Roof caps

Marriage Wall

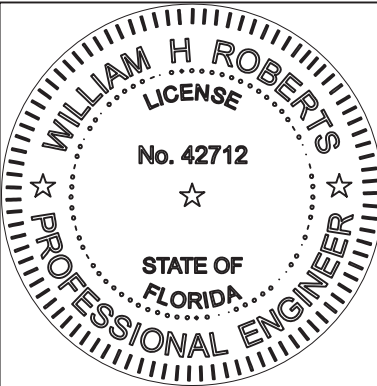
- 1f 1/2” gypsum – Factory finished or finished on site:
 - Alternate Drywall: Vinyl covered gypsum.
- 2f Min. 2x3 Bottom plate
- 3f Min. 2x3 Wall stud
- 4f Min. 2x3 top plate
- 5f Window or door header

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ENGINEERING GREAT IDEAS, INC
(A SUBSIDIARY OF ECLS GLOBAL, INC)

William H Roberts

WILLIAM H. ROBERTS, P.E. #42712
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ALL FOUNDATION SPECIFICATIONS ARE TYPICAL AND DESIGNED AND CONSTRUCTED ON SITE BY OTHERS

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Dealer: --		Customer: --		3rd Party	
Hilborn, Werner, Carter and Associates(HWC)		1627 South Myrtle Ave		Clearwater, FL. 33756	
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WIND VELOCITY 160 ULT(3 SEC)		0			
FIRE RATING OF EXT. WALLS		2102-1797F			
PLAN NO.		40			
ALLOW. FLOOR LOAD		05-12-26			
APPROVAL DATE		PHH			
MANUFACTURER		NO			
HIGH WIND VELOCITY HURRICANE ZONE		NO			
MUR 201		UWG			
Sheet Title: ON FRAME CROSS SECTION		Sheet Number: A3.01		Sheet NA of NA	
				Plan #: 2102-1797F	

(DYN)GENERAL ELECTRICAL NOTES:

- Exterior receptacles outlets shall be weather resistant, gfi protected and installed with covers approved for outdoor installation.
- Cross over connection between modules is accomplished by using "amp" wire connectors, supplied by connector manufacturer.
- All electrical components must be u.l. approved and installed per listing and manufacturers's installation instructions.
- Smoke alarms are interconnected for simultaneous activation with battery backup. All smoke alarms are equipped with a "hush button" feature.
- All 125 volt, single phase, 15 and 20 ampere receptacles serving countertop surfaces in kitchen area to have ground-fault circuit interrupter protection for personnel, and arc-fault protection.
- All wiring is nm-cable unless otherwise noted.
- All bath exhaust fans must exhaust directly to the exterior.
- Additional outlets and lights may be added (in addition to those shown on the approved details) without re-approval.
- All general purpose outlets are required to be on arc-fault circuits, except bathrooms, exterior receptacles, and Jacuzzi.
- Boxes used at fixtures in the ceiling must be rated for a minimum of 50 pounds. When lights are installed on the wall, the box must to be listed for that purpose and list its weight capacity, if less than 50 pounds. fixtures weighing more than 50 pounds will be supported independently of the box.
- Egress path must be maintained to the panel box.
- Tamper resistant recepts must be installed in kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, sunrooms, bedrooms, recreation rooms, or similar rooms, or areas of a dwelling unit.
- Exterior recepts are required at every balcony, deck, and porch regardless of where it is on the building. The recept is not required if the balcony, deck, or porch is less than 20 s.f..
- ALL circuits and equipment shall be installed and grounded in accordance with the appropriate articles of the National Electrical Code (NEC) that is adopted by the State of Florida, at the time of construction of the building.
- When light fixtures are installed in closets, they shall be surface mounted or recessed. Incandescent fixtures shall have completely enclosed lamps. Surface mounted incandescent fixtures shall have a minimum clearance of 12 inches and all other fixtures shall have a minimum clearance of 6 inches from any "storage area".
- When water heaters are installed, they shall be provided with readily accessible disconnects adjacent to the water heaters served. The branch circuit switch OR circuit breaker shall be permitted to be as the disconnecting means only where the switch OR circuit breaker is within sight of the water heater OR is capable of being locked in the open position. When water heaters are not installed at the factory, the means of disconnect shall be designed and installed on-site, by others.
- HVAC shall be provided with readily accessible disconnects (installed on-site, by others) adjacent to the equipment being served. A unit switch with a marked "OFF" position that is part of the HVAC equipment and disconnects ALL ungrounded conductors shall be permitted to to be as the disconnecting means where other disconnecting means are also provided by a readily accessible circuit breaker.
- When the main electrical service panel is not installed at the factory, the main electrical panel and feeders are to be designed by others, site installed and subject to local jurisdiction approval.
- ALL circuits crossing over module marriage line(s), shall be site connected with approved accessible junction boxes OR cable connectors.
- ALL receptacles installed in wet locations (exterior) shall have a weather proof (wp), the integrity of which is not effected when an attachment plug cap is inserted or removed.
- Ceiling fans shall be 80 inches minimum, from the bottom of the blades to the finished floor.
- ALL electrical components shall be U.L. Listed and installed in accordance with that listing.
- Receptacles intended to service bathroom lavatories shall not be located more than 36' away from said lavatory.
- Breakers and wire sizing may be changed if optional or custom appliances or devices are installed in the building, ALL breakers and wiring shall be sized in accordance with applicable sections of the N.E.C.
- Switches, receptacles, and other fixtures or devices may be relocated from the locations shown on the approved details due to construction restraints. ALL locations shall comply with applicable sections of the N.E.C.
- All 3-way switches are to be wired using 14-3 wire unless otherwise noted on plan.
- Communication ports are typically not shown on approved plans but are required to be installed per NEC 800.156. At management's discretion, they may either be installed in the factory or on site by others. When installed on site, the location and installation are the responsibility of the builder.
- 100% of all permanently installed lighting fixtures shall have high efficacy lamps FBC and 90% of all permanently installed lighting in IRC 2018.

	GENERAL LIGHTING		MAIN PANEL BOX	\$	SWITCH	\$3	3-WAY SWITCH		EXHAUST-CEIL'G FAN		UNDER CABINET LIGHT
	SMALL APPLIANCE		WALL MOUNTED FIXTURE	▼	PHONE		CABLE PREP		HEAT TAPE RECEPT		USB CHARGING STATION / 120 V Outlet
	GFI PROTECTED		CEILING MOUNTED FIXTURE	RECESS		RECESSED FLUORESCENT			RECESSED LIGHT		LIGHTED EXHAUST FAN
	220V APPLIANCE		RECESSED CAN LIGHT						CEILING FAN OR CEILING FAN PREP		CEILING FAN/LIGHT OR CEILING FAN/LIGHT PREP
	SMOKE ALARM		PENDANT LIGHT			SURFACE FLUORESCENT			THERMOSTAT		WHOLE HOUSE FAN
	CARBON MONOXIDE / SMOKE DETECTOR		LED LIGHT CEILING MOUNTED FIXTURE	SURFACE LIGHT RATED FOR WET AREA			THERMOSTAT		WHOLE HOUSE FAN		FLOOD LIGHT PREP
			SURFACE LIGHT RATED FOR WET AREA		DOOR CHIME BOX (WIRELESS)		FLOOD LIGHT PREP		FLOOD LIGHT PREP		FLOOD LIGHT PREP
	GENERAL COMMUNICATIONS BOX		FACTORY WIRED CABLE, PHONE, NETWORK, 15/20 AMP RECEPTACLE.								

NEC – 2020

MAIN BREAKER 200 AMP											
AMP. / WIRE SIZE		DESCRIPTION	CIR. NO.	PANEL SPACE		CIR. NO.	DESCRIPTION	AMP. / WIRE SIZE			
PER MFG		WATER HEATER (5500/240)	1	*	*	2	RANGE OR OVEN	PER MFG			
20	12-2*	APPLIANCE	3(G/A)	*	*	4(AF)	GEN. LIGHTING	15	14-2*		
20	12-2*	APPLIANCE	5(G/A)	*	*	6(AF)	GEN. LIGHTING	15	14-2*		
20	12-2*	APPLIANCE	7(AF/GF*)	*	*	8(AF)	GEN. LIGHTING	15	14-2*		
20	12-2*	APPLIANCE (SPARE)	9(AF/GF*)	*	*	10(AF)	GEN. LIGHTING	15	14-2*		
15	14-2*	OPT. D.W.	11(G/A)	*	*	12	BATH G.F.I.	20	12-2*		
20	12-2*	LAUNDRY	13(G/A)	*	*	14	ELECTRIC HEAT-A/C	PER MFG			
30 2 POLE	10-3*	CLOTHES DRYER	15(G)	*	*	16	COOK-TOP / WALL OVEN	PER MFG			
15	14-2*	OPT. DISPOSAL	17(AF/GF*)	*	*	18(AF)	SMOKE ALARMS	15	14-3*		
20	12-2*	OPT. FREEZER	19(G/A)	*	*	20	EXTERIOR GFI	20	12-2*		
15	14-2*	OPT JACUZZI G.F.I.	21	*	*	24(AF)	GEN. LIGHTING	15	14-2*		
20	12-2*	OPT MICROWAVE	23(AF/GF*)	*	*	26(AF)	GEN. LIGHTING	15	14-2*		
PER MFG	PER MFG	OPT CONDENSER	25**	*	*	28(AF)	GEN. LIGHTING	15	14-2*		
20 2 POLE	12-2*	OPTIONAL ELEVATOR	27	*	*	30(AF)	GEN. LIGHTING	15	14-2*		
15	14-2*	GEN. LIGHTING	29(AF)	*	*	32(AF)	GEN. LIGHTING	15	14-2*		
15	14-2*	GEN. LIGHTING	31(AF)	*	*						

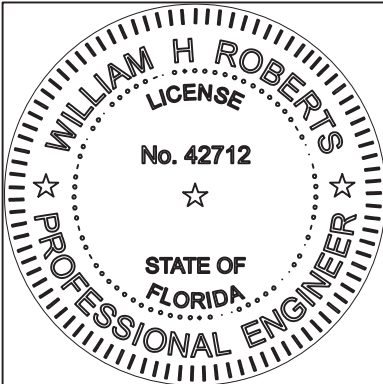
25**: When HVAC circuit is site installed, HVAC Contractor is responsible for verifying circuit properties including GFCI. When factory installed, circuit properties will be based on Manufacturers instructions and recommendations.

SERIAL NUMBER: NA			
MODEL NUMBER: SEE TITLE BLOCK			
GENERAL LOADS		VA	KVA
TOTAL UNIT A.C. SQUARE FEET		1,467	4,401
NO. OF 20-AMP APPLIANCE OUTLET CIRCUITS		3	4,500
LAUNDRY CIRCUIT		1	1,500
SUBTOTAL		10,401	10,401
NAME PLATE RATINGS			
RANGE		1	8,000
WATER HEATER		1	5,500
DISH WASHER		1	1,400
CLOTHES DRYER		1	5,000
GARBAGE DISPOSAL		1	1,500
COOK TOP		0	0
WALL OVEN		0	0
MICROWAVE		1	1,500
OPT FREEZER		0	0
JACUZZI		0	0
ELEVATOR		0	0
SEISCO SUPERCHARGER SC90		0	0
WARMING DRAWER KOWT100ESS		0	0
		0	0
SUBTOTAL		22,900	22.9
TOTAL GENERAL & NAME PLATE		33,301	33.3
FIRST 10 KVA AT 100%		10,000	10.0
RAMAINDER AT 40%		9,320	9.3
WORST CASE HVAC AT 100% (ASSUMED)		1	15,800
NOTE: LOCAL SITE ELECTRIC/HVAC CONTRACTOR TO VERIFY ADEQUACY OF HVAC ELECTRICAL LOAD IN PANEL CALCULATIONS.			
TOTAL PANEL BOX LOAD		35,120	35.1
MINIMUM PANEL BOX AMPERAGESIZE		35,120 /240 =	146
SIZE AMP PANEL BOX INSTALLED		120/240 V, 1ø	200
MIN. NO. OF GENERAL LIGHTING CIRCUITS			3

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William H. Roberts

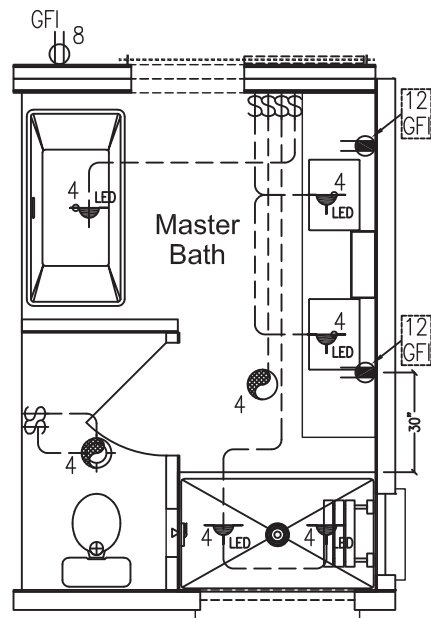
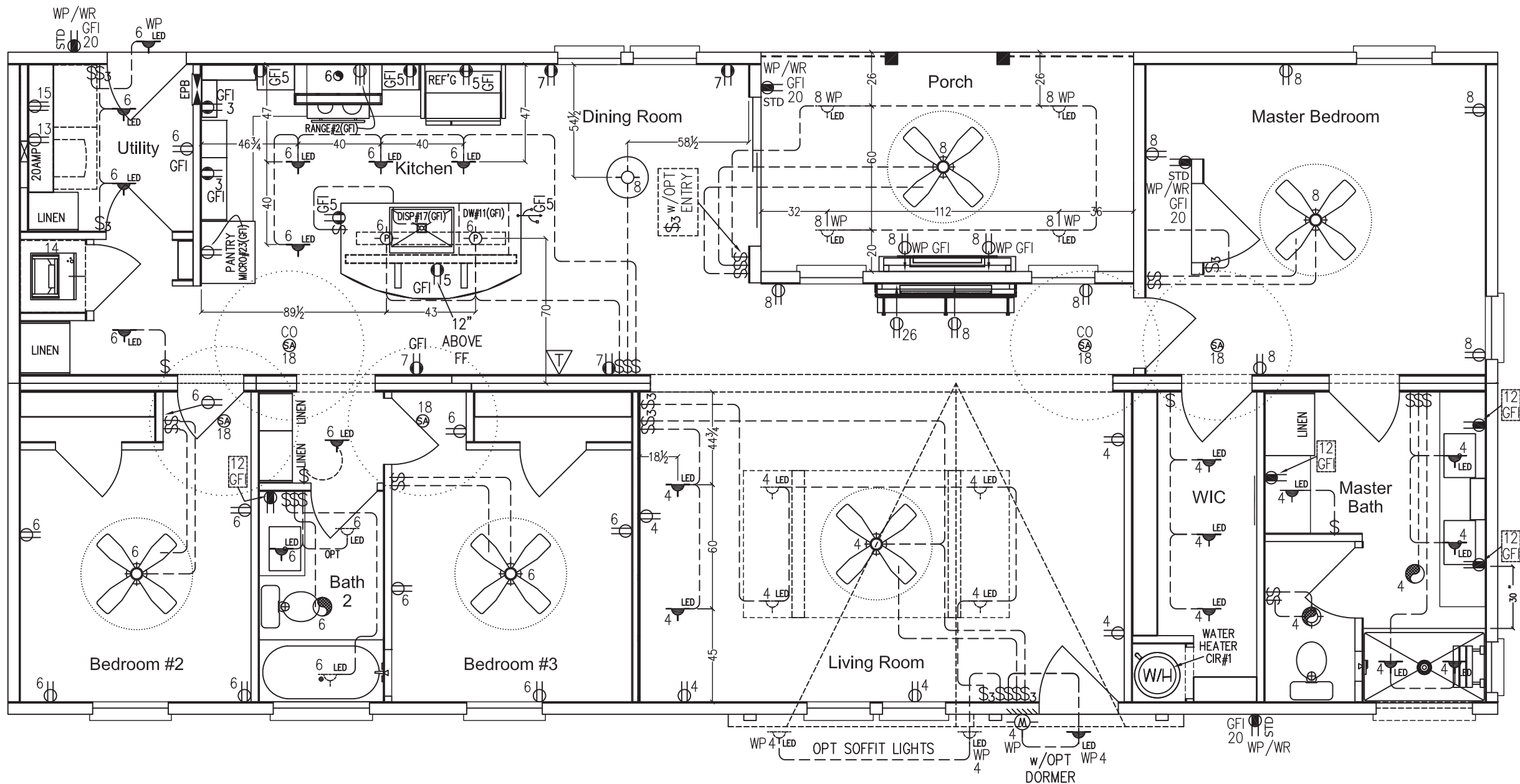
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		MANUFACTURER PHH		HIGH VELOCITY HURRICANE ZONE NO			
Sheet Title:	ELECTRICAL NOTES		Sheet Number	E0.01			
	Sheet	NA	of	NA			
	Plan #:	2102-1797F					

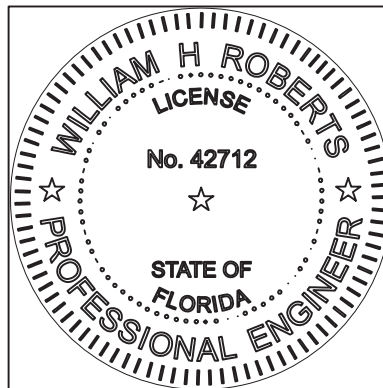


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William H
Roberts

Digitally signed by William H Roberts
DN:
serialNumber=A01410C000001995867FE1F0013746
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Engineering Great Ideas Inc. cn=William H Roberts,
sn=Roberts, givenName=William,
email=roberts.egi@gmail.com, c=US
Date: 2026.05.11 10:32:57 -0400

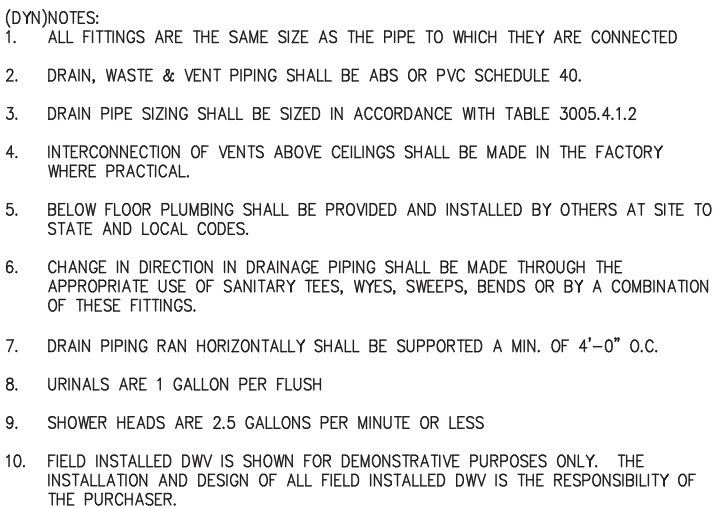
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MANUFACTURER		PHH			
HIGH VELOCITY HURRICANE ZONE		NO			
MUR 261					
Sheet Title:		ELECTRICAL PLAN			
Sheet Number		E1.01			
Sheet		NA of NA			
Plan #:		2102-1797F			

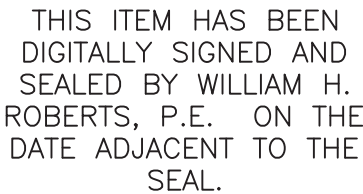


DWV FITTINGS SCHEDULE	
QTY	Description
2	Bushing 2" x 1-1/2"
1	Clean Out 2"
2	Clean Out 3"
1	Double Elbow 3"
3	Elbow 1 1/2" 90 Degree XLT
3	Elbow 2" 90 Degree XLT
1	Elbow 3" 90 Degree XLT
1	LTYY 1-1/2"
3	LTYY 2"
2	LTYY 3"
1	LTYY 3" x 3" x 1-1/2"
2	LTYY 3" x 3" x 2"
1	STYY 3" x 3" x 2"

ENGINEERING GREAT IDEAS, INC.
(A SUBSIDIARY OF ECLS GLOBAL, INC.)

Digitally signed by William H Roberts
DN:
serialNumber=A01410C000001995867FE1F0013746;
2.5.4.97=NTRUS+FL-P16000022871, o=EGL-
Engineering Great Ideas Inc., cn=William H Roberts,
sn=Roberts, givenName=William,
email=roberts.egil@gmail.com, c=US
Date:2026.05.11 10:33:45 -04'00'

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LAKELAND FL, 33815
OFFICE NO: (813) 752-7078

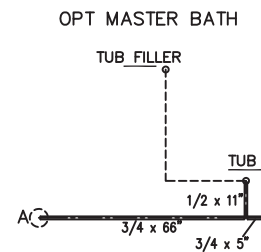


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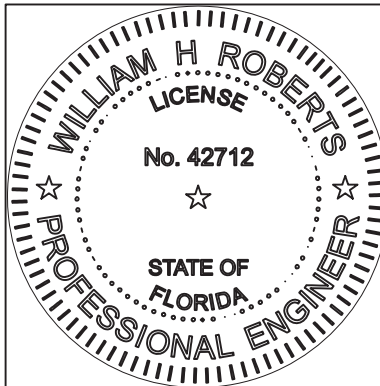
		Plant Number: 69		P.E. William H. "Rob" Roberts, P.E. 6790 New Tampa Hwy, Suite # 207 Lakeland, Florida 33815 Lic. # 42712	
		Drawing Information		Plant Information	
		Model Number: 340EL28603AMO		Palm Harbor Homes, Inc.	
		Sales Name: ASHLEY		605 S. Frontage Road	
		Series: ELITE		Plant City, Florida 33566	
Dealer: --		Date: TH 04-20-26		© Copyright 2026	
Customer:		Serial #: ---		Palm Harbor Homes, Inc.	
3rd Party				All Rights Reserved	
Hilborn, Werner, Carter and Associates (HWC) 1627 South Myrtle Ave Clearwater, FL. 33756					
State:					
LISTING AGENCY APPROVAL These prints comply with the Florida Manufactured Building Act of 1979 Construction Code and adhere to the following criteria:					
CONST. TYPE		VB			
OCCUPANCY		SFD			
ALLOWABLE NO. OF FLOORS		1			
WIND VELOCITY		160 ULT(3 SEC)			
FIRE RATING OF EXT. WALLS		0			
PLAN NO.		2102-1797F			
ALLOW. FLOOR LOAD		40			
APPROVAL DATE		05-12-26			
MANUFACTURER		PHH			
HIGH VELOCITY HURRICANE ZONE		NO			
MUR 261					
Sheet Title: DWV PLAN		Sheet Number: P1.01		Sheet of NA	
				Plan #: 2102-1797F	



1. WATER SUPPLY PIPING SHALL BE TYPE "L" COPPER, CPVC, CROSS LINKED POLYETHYLENE OR OTHER MATERIALS APPROVED FOR USE PER STATE AND LOCAL CODE.
2. INTERCONNECTION OF SUPPLY PIPING BELOW FLOOR AND BETWEEN UNITS TO BE COMPLETED ON SITE BY OTHERS TO STATE AND LOCAL CODE.
3. EXTERIOR FAUCETS HOSE BIBS OR WALL HYDRANTS (WATER SUPPLY OUTLETS WITH HOSE THREADS) SHALL BE EQUIPPED WITH A VACUUM BREAKER, INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. EXTERIOR FAUCETS ARE INSTALLED BY OTHERS AT SITE.
4. SHOWERS, BATH TUBS AND TUB/SHOWERS COMBINATIONS SHALL BE EQUIPPED WITH CONTROL VALVES OF THE PRESSURE BALANCE, THERMOSTATIC MIXING OR COMBINATION PRESSURE BALANCE/ THERMOSTATIC MIXING WITH HIGH LIMIT STOPS THAT SHALL BE SET TO LIMIT WATER TEMPERATURE TO A MAXIMUM OF 120 DEGREES.
5. MAIN SHUT OFF VALVE TO BE A FULL WAY VALVE PROVIDED AND INSTALLED BY OTHERS AT SITE.
6. THE WATER HEATER THAT IS INSTALLED SHALL COMPLY WITH THE REQUIREMENTS OF THE THE 8TH EDITION, 2023 FBC, ENERGY CONSERVATION CODE AND PLUMBING CODE.
7. WATER HEATERS SHALL BE PROTECTED BY A SEPARATE PRESSURE-RELIEF VALVE AND SEPARATE TEMPERATURE-RELIEF VALVE OR A COMBINATION.
8. WATER HAMMER ARRESTORS ARE REQUIRED WHEN FLOW VELOCITY WILL CAUSE WATER HAMMER.
9. HOT WATER PIPING TO BE INSULATED TO R-3 FOR $\frac{3}{4}$ " AND LARGER PIPING, PIPING LEADING TO DISTRIBUTION MANIFOLD, AND ALL PIPING OUTSIDE OF CONDITIONED SPACE, UNLESS THE "PERFORMANCE" METHOD IS USED TO COMPLY WITH THE FLORIDA ENERGY CODE.

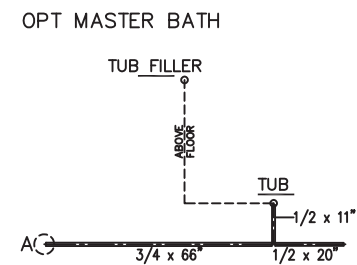


Digitally signed by William H Roberts
DN:
serialNumber=A01410C000001995867FE1F001374
63, 2.5.4.97=NTRUS+FL-P16000022871, o=EGL-
Engineering Great Ideas Inc., cn=William H Roberts,
sn=Roberts, givenName=William,
email=wroberts.egi@gmail.com, c=US
Date: 2026.05.11 10:34:26 -0400



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		Plant Number: 69		© Copyright 2026 Palm Harbor Homes, Inc. All Rights Reserved	
P.E. William H. "Rob" Roberts, P.E. 6790 New Tampa Hwy, Suite # 207 Lakeland, Florida 33815 Lic. # 42712		Drawing Information Model Number: 340EL28603AMO Sales Name: ASHLEY Series: ELITE		Plant Information	
Dealer: -- Customer: -- 3rd Party		Drawn by: TH Date: 04-20-26		Serial #: ---	
Hilborn, Werner, Carter and Associates (HWC) 1627 South Myrtle Ave Clearwater, FL. 33756					
State:					
LISTING AGENCY APPROVAL These prints comply with the Florida Manufactured Building Act of 1979 Construction Code and adhere to the following criteria:					
CONST. TYPE		VF			
OCCUPANCY		SFD			
ALLOWABLE NO. OF FLOORS		1			
WIND VELOCITY		160 ULT(3 SEC)			
FIRE RATINGS OF EXT. WALLS		0			
PLAN NO.		2102-1797F			
ALLOW. FLOOR LOAD		40			
APPROVAL DATE		05-12-26			
MANUFACTURER		PHH			
HIGH VELOCITY HURRICANE ZONE		NO			
MUR 261					
Sheet Title:		NA of NA			
COLD SUPPLY LINES		2102-1797F			
Sheet Number		P1.02			
Sheet		NA of NA			
Plan #:		2102-1797F			



A circular professional engineer seal for the State of Florida. The outer ring contains the text "WILLIAM H ROBERTS" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring is a smaller circle with the word "LICENSE" at the top, the license number "No. 42712" in the center, a single star below the number, and the text "STATE OF FLORIDA" at the bottom. The seal is surrounded by a border of short, radiating lines.

THIS ITEM HAS BEEN
DIGITALLY SIGNED AND
SEALED BY WILLIAM H.
ROBERTS, P.E. ON THE
DATE ADJACENT TO THE
SEAL.

SIGNATURE MUST
BE VERIFIED ON ANY
ELECTRONIC COPIES

P.E. William H. "Rob" Roberts, P.E. 6790 New Tampa Hwy, Suite # 207 Lakeland, Florida 33815 Lic. # 42712		Plant Number: 69		 Palm Harbor Homes	
Drawing Information		Model Number: 340EL28603AM0		© Copyright 2026	
Sales Name: ASHLEY		Series: ELITE		Palm Harbor Homes, Inc.	
Drawn by: TH		Date: 04-20-26		605 S. Frontage Road	
Serial #:		---		Plant City, Florida 33566	
All Rights Reserved					

160 MPH Vult NON ELEV

160 mph Design Wind Speed is Ultimate (Vult) per ASCE 7-22
See Figure 26.5-1A (Occupancy Category II) for Site Location

Shear Wall Requirements

A & B

Wind Zone:160
Side Wall HT:108

Roof Pitch: 4/12
Exposure:D

Max Elev:48"
MRH:15.72 FT.

16" O.C.-TYP
Framing:2x6

Shear Wall	Min. PLF (1)	Sheathed Sides # (2)	Nails (3)	Spacing (4)	SW Sections (5)	End Stud # (6)	Rows of Nails in Overlap # (7)	# of Straps at SW End Stud (7a)	#10 Screws/Ft Each Row (8)	Top Plate to Rafter (9)	Porch Truss (10)
A1	570	1	8d	4/12	96	2	3	N/A	or 1/5	2 3/4	N/A
B1	595	1	8d	4/12	92	2	3	N/A	or 1/5	2 5/8	N/A
LSAB1	491	1	8d	4/12	96	N/A	3	N/A	or 1/3	3 1/4	N/A
C1	570	1	8d	4/12	96	2	3	N/A	or 1/5	2 3/4	N/A
D1	570	1	8d	4/12	96	2	3	N/A	or 1/5	2 3/4	N/A
LSCD1	491	1	8d	4/12	96	N/A	3	N/A	or 1/3	3 1/4	N/A

Truss Spacing: 16" ASCE 7-22
Minimum Roof Diaphragm Connections using: 8d BOX

Diaphragm Connections			Spacing w/Single Fasteners				
@ Shear Wall	Dbl Fast'g	Req'd Spacing	D1(ft.)	D2(ft.)	D3(ft.)	D4(ft.)	D5(ft.)
			3/3	4/4	3/12	6/6	6/12
A	Dbl @4/12	see Dbl col	2	7	12	13	17
B	Dbl @4/12	see Dbl col	2	7	12	13	17
C	Dbl @4/12	see Dbl.col	2	7	12	13	17
D	Dbl @4/12	see Dbl.col	2	7	12	13	17

△ COLUMNS RANCH STORY										ASCE7-22 EXPOSURE: D	
ROOF LOAD: 20 PSF											
DESIGN WIND SPEED: 123 MPH						ULTIMATE WIND SPEED: 160 MPH					
NO.	26 GA STRAP	TYPE	STUD			BLK	FLOOR WIDTH	SPAN	LOAD	UPLIFT LOAD	
			NUM	LENGTH	SIZE						
1	3	1	2	108	2x4	N	160	18'-8"	1867	1486	
2	3	1	2	108	2x4	N	160	18'-8"	1867	1486	
3	3	1	2	108	2x4	N	160	18'-8"	1867	1486	
4	3	1	2	108	2x4	N	160	18'-8"	1867	1486	

Shear Wall Design Criteria

Wind Speed: 160(Vult) Exposure: D Side Wall Ht (in.): 108 Max Elev (in.): 48 Framing 2x8	
Shear Wall	Moment @ Bottom of Unit Floor(FT-#)
A	44,859
B	44,859
C	44,859
D	44,859



William H Roberts

Digitally signed by William H Roberts
DN: serialNumber=A01410C00001995867FE1F00137463, 2.5.4.97=NTRUS+FL-P16000022871, o=EGI-Engineering Great Ideas Inc., cn=William H Roberts, sn=Roberts, givenName=William, email=roberts.egi@gmail.com, c=US
Date: 2026.05.11 10:35:19 -0400'

WILLIAM H. ROBERTS, P.E. #42712
FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098
6790 NEW TAMPA HIGHWAY
SUITE 207
LAKELAND FL, 33815
OFFICE NO: (813) 752-7078

150 mph Design Wind Speed is Ultimate (Vult) per ASCE 7-22
See Figure 26.5-1A (Occupancy Category II) for Site Location

Shear Wall Requirements

A & B

Wind Zone:150
Side Wall HT:108

Roof Pitch: 4/12
Exposure:D

Max Elev:48"
MRH:15.72 FT.

24" O.C.-TYP
Framing:2x6

Shear Wall	Min. PLF (1)	Sheathed Sides # (2)	Nails (3)	Spacing (4)	SW Sections (5)	End Stud # (6)	Rows of Nails in Overlap # (7)	# of Straps at SW End Stud (7a)	#10 Screws/Ft Each Row (8)	Top Plate to Rafter (9)	Porch Truss (10)
A1	501	1	8d	4/6	96	2	3	N/A	or 1/5	3 1/8	N/A
B1	523	1	8d	4/6	92	2	3	N/A	or 1/5	3	N/A
LSAB1	432	1	8d	6/6	96	N/A	3	N/A	or 1/2	3 5/8	N/A
C1	501	1	8d	4/6	96	2	3	N/A	or 1/5	3 1/8	N/A
D1	501	1	8d	4/6	96	2	3	N/A	or 1/5	3 1/8	N/A
LSCD1	432	1	8d	6/6	96	N/A	3	N/A	or 1/2	3 5/8	N/A

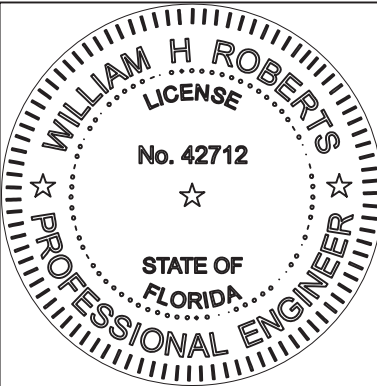
Truss Spacing: 24" ASCE 7-22
Minimum Roof Diaphragm Connections using: 8d BOX

Diaphragm Connections			Spacing w/Single Fasteners				
@ Shear Wall	Dbl Fast'g	Req'd Spacing	D1(ft.)	D2(ft.)	D3(ft.)	D4(ft.)	D5(ft.)
			3/3	3/6	3/12	4/12	6/12
A	Dbl @3/12	see Dbl col	8	12	15	17	19
B	Dbl @3/12	see Dbl col	8	12	15	17	19
C	Dbl @3/12	see Dbl.col	8	12	15	17	19
D	Dbl @3/12	see Dbl.col	8	12	15	17	19

△ COLUMNS RANCH STORY										ASCE7-22
ROOF LOAD: 20 PSF										EXPOSURE: D
DESIGN WIND SPEED: 116 MPH					ULTIMATE WIND SPEED: 150 MPH					
NO.	26 GA STRAP	TYPE	STUD			BLK	FLOOR WIDTH	SPAN	LOAD	UPLIFT LOAD
1	3	1	2	108	2x4	N	160	18'-8"	1867	1281
2	3	1	2	108	2x4	N	160	18'-8"	1867	1281
3	3	1	2	108	2x4	N	160	18'-8"	1867	1281
4	3	1	2	108	2x4	N	160	18'-8"	1867	1281

Shear Wall Design Criteria

Wind Speed: 150(Vult) Exposure: D Side Wall Ht (in.): 108 Max Elev (in.): 48 Framing 2x8	
Shear Wall	Moment @ Bottom of Unit Floor(FT-#)
A	39,427
B	39,427
C	39,427
D	39,427



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SEALED BY WILLIAM H.
ROBERTS, P.E. ON THE
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Plant Number: 69

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P.E. William H. "Rob" Roberts, P.E.
6790 New Tampa Hwy,
Suite # 207
Lakeland, Florida 33815
Lic. # 42712

Drawing Information
Model Number: 340EL28603AMO
Sales Name: ASHLEY
Series: ELITE

Plant Information

Drawn by: TH

Date: 04-20-26

Serial #: --

Dealer: --

Customer: --

3rd Party
Hilborn, Werner, Carter
and Associates(HWC)
1627 South Myrtle Ave
Clearwater, FL. 33756

State:
LISTING AGENCY APPROVAL
These prints comply with the Florida
Manufactured Building Act of 1979
Construction Code and adhere to the
following criteria:
CONST. TYPE VB
OCCUPANCY SFD
ALLOWABLE NO. OF FLOORS 1
WIND VELOCITY 160 ULT(3 SEC)
FIRE RATING OF EXT. WALLS 0
PLAN NO. 2102-1797F
ALLOW. FLOOR LOAD 40
APPROVAL DATE 05-12-26
MANUFACTURER PHH
HIGH VELOCITY HURRICANE ZONE NO

MUR 28603

Sheet Title:
COLUMN & SHEARWALL TABLE

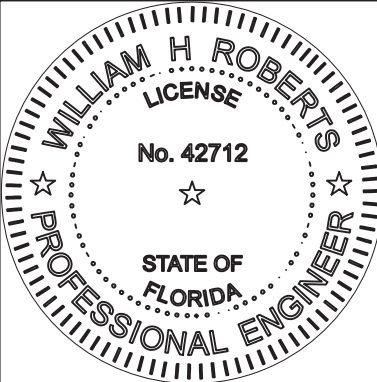
Sheet Number
S0.02

Sheet
NA of NA

Plan #:
2102-1797F

1. INTERIOR JOISTS ARE 2X8 #2 SPF OR BETTER, 16" O.C. MAX.
2. INTERIOR (MATING LINE) PERIMETER RAILS ARE DOUBLE 2X8 #2 SPF, MIN.
3. SIDEWALL RAILS SINGLE 2X8 #2 S-P-F MIN.
4. PORCH JOISTS ARE 2X6 #2 SYP PT, 16" MIN.
5. SEE FMM G SECTION FOR FRAMING CONNECTION REQUIREMENTS.

2. INTERIOR (MATING LINE) PERIMETER RAILS ARE DOUBLE 2X8 #2 SPF, MIN.
3. SIDEWALL RAILS SINGLE 2X8 #2 S-P-F MIN.
4. PORCH JOISTS ARE 2X6 #2 SYP PT, 16" MIN.
5. SEE FMM G SECTION FOR FRAMING CONNECTION REQUIREMENTS.



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ROBERTS, P.E. ON THE
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SEAL.

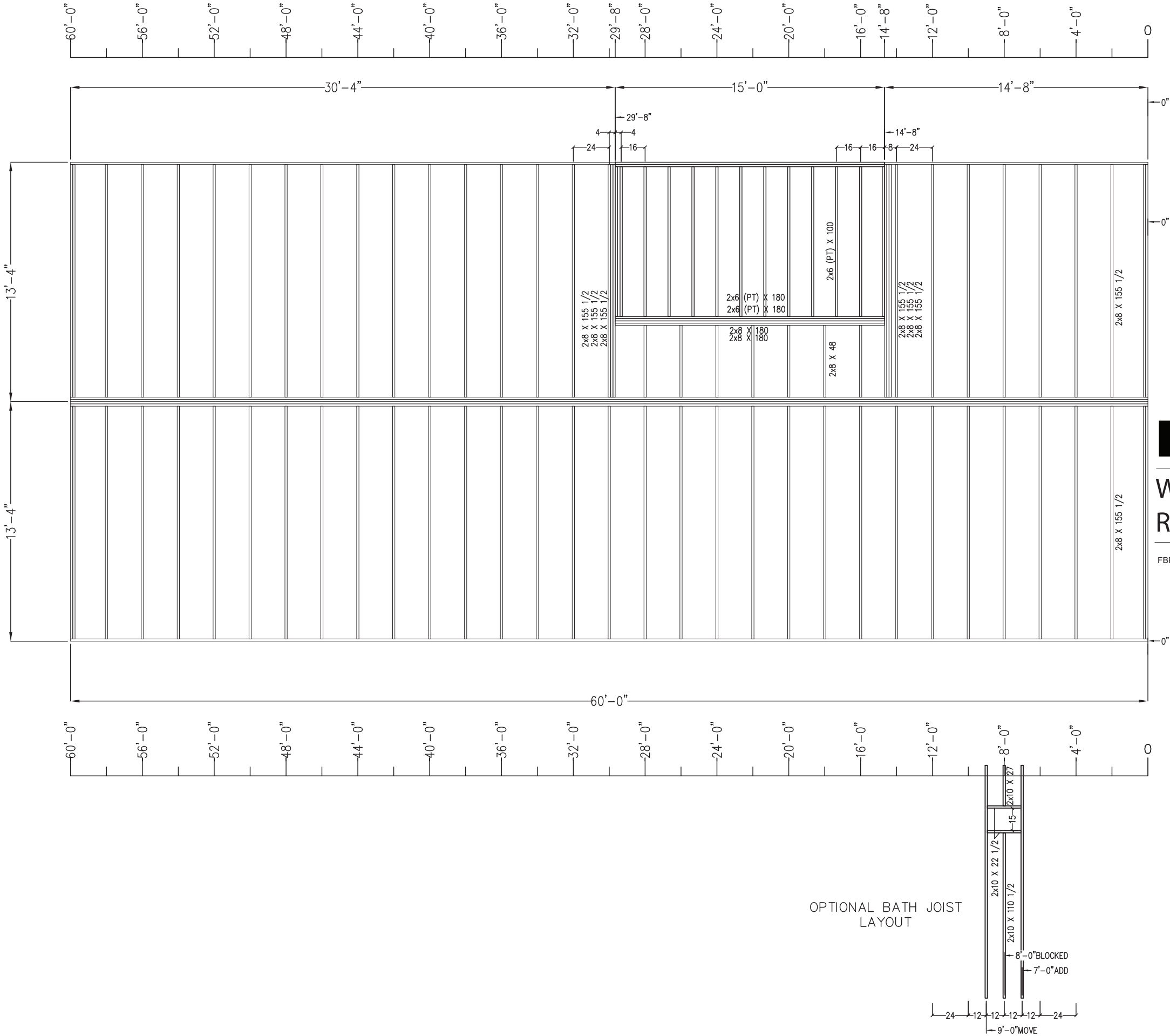
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P.E. William H. "Rob" Roberts, P.E. 6790 New Tampa Hwy, Suite # 207 Lakeland, Florida 33815 Lic. # 42712		Plant Information Palm Harbor Homes, Inc. 605 S. Frontage Road Plant City, Florida 33566			
Drawing Information					
Model Number: 340EL28603AMIO					
Sales Name: ASHLEY					
Series: ELITE		Date: 04-20-26		Serial #: ---	
Drawn by: TH					
Dealer: --					
Customer: --					
3rd Party					
Hilborn, Werner, Carter and Associates (HWC)					
1627 South Myrtle Ave					
Clearwater, FL. 33756					
State:					
LISTING AGENCY APPROVAL					
These prints comply with the Florida					
Manufactured Building Act of 1979					
Construction Code and adhere to the					
following criteria:					
CONST. TYPE		VB			
OCCUPANCY		SFD			
ALLOWABLE NO. OF FLOORS		1			
WIND VELOCITY 160 ULT(3 SEC)					
FIRE RATING OF EXT. WALLS		0			
PLAN NO.		2102-1797F			
ALLOW. FLOOR LOAD		40			
APPROVAL DATE		05-12-26			
MANUFACTURER		PHH			
HIGH VELOCITY HURRICANE ZONE		NO			
MUR 261					
Sheet Title: FLOOR FRAMING ON 16 OC					
Sheet Number: S1.01.02					
Sheet: NA of NA					
Plan #: 2102-1797F					

ON - FRAME FLOOR FRAMING 24 oc

- ON FRAME FLOOR FRAMING NOTES 24" O.C. (DYN):
- INTERIOR JOISTS ARE 2X8 #2 SPF OR BETTER, 24" O.C. MAX.
 - INTERIOR (MATING LINE) PERIMETER RAILS ARE DOUBLE 2X8 #2 SPF, MIN.
 - SIDEWALL RAILS SINGLE 2X8 #2 S-P-F MIN.
 - PORCH JOISTS ARE 2X6 #2 SYP PT, 16" MIN.
 - SEE APPROVED MODUTLAR MANUAL G SECTION FOR FRAMING CONNECTION REQUIREMENTS.

NOTE:
CHECK CONFIRMATION AND SPECIFICATION SHEET
FOR CHANGES TO FRAMING MEMBERS AND SPACING.



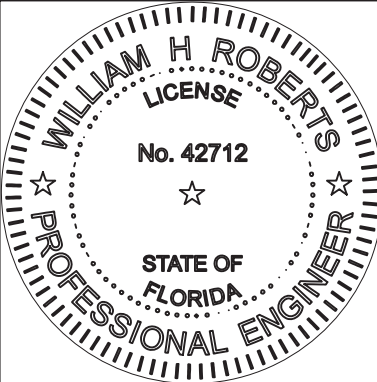
EGI

ENGINEERING GREAT IDEAS, INC
(A SUBSIDIARY OF ECLS GLOBAL, INC)

William H
Roberts

Digitally signed by William H Roberts
DN:
serialNumber=A01410C000001995867FE1F00
137463, 2.5.4.97=NTRUS+FL-P16000022871,
o=EGI- Engineering Great Ideas Inc.,
cn=William H Roberts, sn=Roberts,
givenName=William,
email=roberts.egi@gmail.com, c=US
Date: 2026.05.11 10:36:06 -0400

WILLIAM H. ROBERTS, P.E. #42712
FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098
6790 NEW TAMPA HIGHWAY
SUITE 207
LAKELAND FL, 33815
OFFICE NO: (813) 752-7078

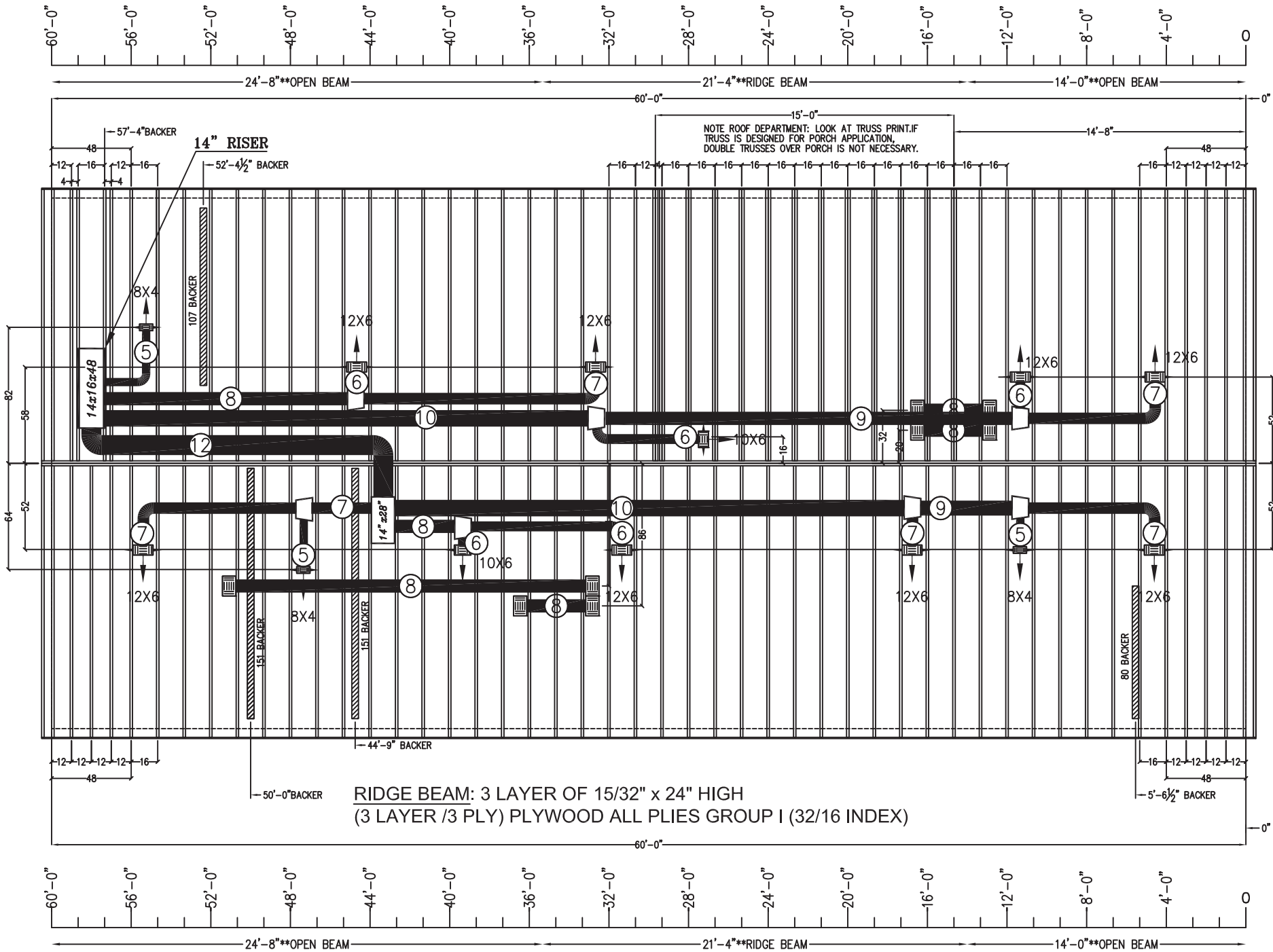


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DIGITALLY SIGNED AND
SEALED BY WILLIAM H.
ROBERTS, P.E. ON THE
DATE ADJACENT TO THE
SEAL.

SIGNATURE MUST
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Plant Number: 69		P.E. William H. "Rob" Roberts, P.E. 6790 New Tampa Hwy, Suite # 207 Lakeland, Florida 33815 Lic. # 42712		© Copyright 2026 Palm Harbor Homes, Inc. 605 S. Frontage Road Plant City, Florida 33566 All Rights Reserved	
		Drawing Information		Plant Information	
		Model Number: 340EL28603AMO	Sales Name: ASHLEY	Drawn by: TH	Date: 04-20-26
		Series: ELITE	Serial #: ---		
Dealer: --		Customer:			
3rd Party					
Hilborn, Werner, Carter and Associates(HWC) 1627 South Myrtle Ave Clearwater, FL. 33756					
State:					
LISTING AGENCY APPROVAL These prints comply with the Florida Manufactured Building Act of 1979 Construction Code and adhere to the following criteria:					
CONST. TYPE		VB			
OCCUPANCY		SFD			
ALLOWABLE NO. OF FLOORS		1			
WIND VELOCITY		160 ULT(3 SEC)			
FIRE RATING OF EXT. WALLS		0			
PLAN NO.		2102-1797F			
ALLOW. FLOOR LOAD		40			
APPROVAL DATE		05-12-26			
MANUFACTURER		PHH			
HIGH VELOCITY HURRICANE ZONE		NO			
MUR 261					
Sheet Title:	FLOOR FRAMING ON 24 OC				
Sheet Number	S1.01.03				
Sheet	NA	of	NA		
Plan #:	2102-1797F				

- (DYN) Duct Notes:
1. HVAC duct systems, when installed, consist of either insulated fiberglass duct board, or insulated flexible duct or a combination of both, minimum R-6 in the roof attic.
 2. Ducts shall be installed in accordance with the manufacturer's installation instruction and shall bear a listing and label indicating compliance with UL 181 and UL 181 A (rigid) or UL 181 B (flexible).
 3. Joints and seams are to be made substantially airtight by means of tapes mastics or other systems as approved in the manufacturers' installation instructions(e.g. plastic tie straps).
 4. Duct installed in floors supported as required by manufacturer. Ducts installed in attic are supported by the truss framing members and need no additional supports. Register boxes are formed to ceiling gypsum and need no additional securing.
 5. All duct work installed outside the conditioned envelope shall have a minimum R-8 and be listed for use as exterior duct.
 6. Return air balance (from room to room) may be achieved through the installation of "jump ducts" (in ceiling return air pathways) , undercut doors, and/or return air grills.
 7. All gable endwalls shall be braced in accordance with Palm Harbor Home's Florida Modular Construction Manual.
 8. All exhaust fans/vents shall be ducted to the exterior of the structure.
 7. Roof ventilation may be accomplished through the use of either ventilated eaves, roof vents or ridge ventilation. Either or all of these methods may also be used separately or in combination to provide the minimum required roof ventilation of K_{90} OR 1/300.
 8. All air supply registers are adjustable, except where otherwise specified on the plans (in ceiling "jump ducts" for return air purposes are NOT adjustable and remain in the always open position).
 9. All Return Air Grills to be 21" x 26" unless noted otherwise on the plans.
 10. Roof trusses installed at 16" o.c. maximum spacing are allowed in buildings designed to comply with a maximum 180 Vult mph wind load. Windloads upto and including 150 Vult mph are 24" O.C.



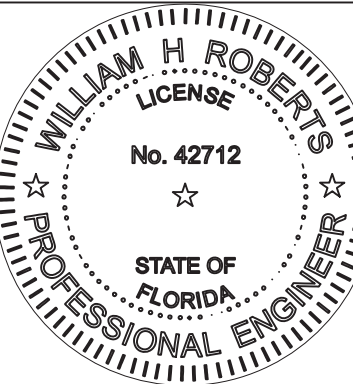
- (DYN) GENERAL NOTES:
1. FOR TRUSS REINFORCEMENT AT GABLE ENDS SEE PA180-2.14 OF THE APPROVED MODULAR MANUAL
 2. FOR TRUSS REINFORCEMENT AT PORCHES AND ENDZONES, SEE PAGE PA180-2.6 OF THE FACTORY'S MODLAR MANUAL.
- Minimum Return Air Path:
3. The minimum return air path is determined by the total cfm's delivered through supply duct into the space closed off from the main return. Return duct and grill capacities must be equal to or greater than the cfm's delivered into the space. The following are acceptable methods of return air provisions and may be used in combination. Each method is described in detail below.
- a) In-ceiling return air grills
 - b) Return air grills in walls
 - c) Openings above door and/or walls without grills.
 - d) Unless noted otherwise, all air transfer (jump ducts) shown are 12x8 registers connected to 8" duct.

EGi ENGINEERING GREAT IDEAS, INC.
(A SUBSIDIARY OF ECLS GLOBAL, INC.)

William H Roberts

Digitally signed by William H Roberts
DN: serialNumber=A01410C000001995867FE1F001313663, 2.5.4.67=ASHLEY, cn=William H Roberts, email=willroberts@egiglobal.com, c=US
Date: 2026.05.11 10:36:32 -0400

WILLIAM H. ROBERTS, P.E. #42712
FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098
6790 NEW TAMPA HIGHWAY
SUITE 207
LAKELAND FL, 33815
OFFICE NO: (813) 752-7078



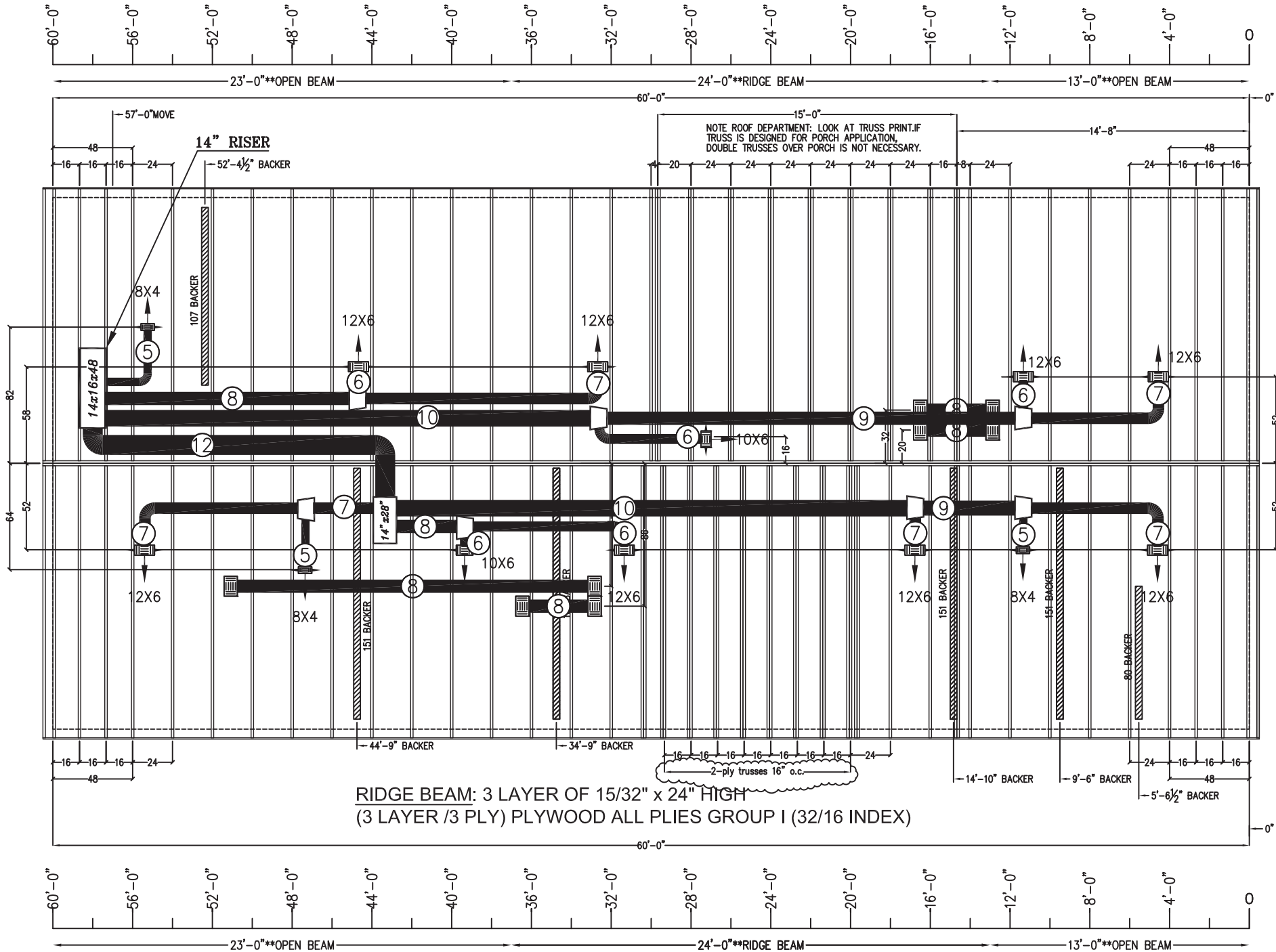
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY WILLIAM H. ROBERTS, P.E. ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

Palm Harbor Homes		Plant Number: 69		P.E. William H. "Rob" Roberts, P.E. 6790 New Tampa Hwy, Suite # 207 Lakeland, Florida 33815 Lic. # 42712	
Model Number: 340EL28603AMO		Sales Name: ASHLEY		Plant Information	
Series: ELITE		Drawn by: TH		Date: 04-20-26	
Serial #: --		Dealer: --		Customer: --	
3rd Party		Hilborn, Werner, Carter and Associates(HWC)		1627 South Myrtle Ave Clearwater, FL. 33756	
State:		LISTING AGENCY APPROVAL		These prints comply with the Florida Manufactured Building Act of 1979 Construction Code and adhere to the following criteria:	
CONST. TYPE		VB		FIRE RATING OF EXT. WALLS	
OCCUPANCY		SFD		PLAN NO.	
ALLOWABLE NO. OF FLOORS		1		APPROVAL DATE	
WIND VELOCITY 160 ULT(3 SEC)		0		MANUFACTURER	
2102-1797F		05-12-26		HIGH VELOCITY HURRICANE ZONE	
NO		PHH		MUR 261	
Sheet Title:		ROOF & DUCT PLAN 16		Sheet Number	
Sheet		NA		of	
Sheet		NA		NA	
Plan #:		2102-1797F		2102-1797F	

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- (DYN) Duct Notes:
1. HVAC duct systems, when installed, consist of either insulated fiberglass duct board, or insulated flexible duct or a combination of both, minimum R-6 in the roof attic.
 2. Ducts shall be installed in accordance with the manufacturer's installation instruction and shall bear a listing and label indicating compliance with UL 181 and UL 181 A (rigid) or UL 181 B (flexible).
 3. Joints and seams are to be made substantially airtight by means of tapes mastics or other systems as approved in the manufacturers' installation instructions(e.g. plastic tie straps).
 4. Duct installed in floors supported as required by manufacturer. Ducts installed in attic are supported by the truss framing members and need no additional supports. Register boxes are formed to ceiling gypsum and need no additional securing.
 5. All duct work installed outside the conditioned envelope shall have a minimum R-8 and be listed for use as exterior duct.
 6. Return air balance (from room to room) may be achieved through the installation of "jump ducts" (in ceiling return air pathways) , undercut doors, and/or return air grills.
 7. All gable endwalls shall be braced in accordance with Palm Harbor Home's Florida Modular Construction Manual.
 8. All exhaust fans/vents shall be ducted to the exterior of the structure.
 7. Roof ventilation may be accomplished through the use of either ventilated eaves, roof vents or ridge ventilation. Either or all of these methods may also be used separately or in combination to provide the minimum required roof ventilation of K_{90} OR $1/300$.
 8. All air supply registers are adjustable, except where otherwise specified on the plans (in ceiling "jump ducts" for return air purposes are NOT adjustable and remain in the always open position).
 9. All Return Air Grills to be 21" x 26" unless noted otherwise on the plans.
 10. Roof trusses installed at 16" o.c. maximum spacing are allowed in buildings designed to comply with a maximum 180 Vult mph wind load. Windloads upto and including 150 Vult mph are 24" O.C.



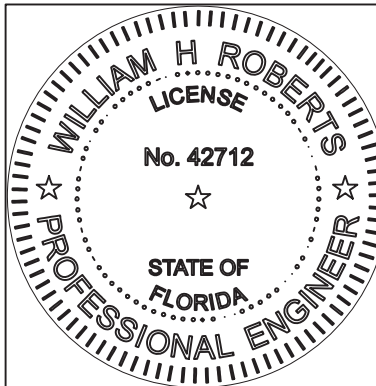
- (DYN) GENERAL NOTES:
1. FOR TRUSS REINFORCEMENT AT GABLE ENDS SEE PA180-2.14 OF THE APPROVED MODULAR MANUAL
 2. FOR TRUSS REINFORCEMENT AT PORCHES AND ENDZONES, SEE PAGE PA180-2.6 OF THE FACTORY'S MODLAR MANUAL.
- Minimum Return Air Path:
3. The minimum return air path is determined by the total cfm's delivered through supply duct into the space closed off from the main return. Return duct and grill capacities must be equal to or greater than the cfm's delivered into the space. The following are acceptable methods of return air provisions and may be used in combination. Each method is described in detail below.
- a) In-ceiling return air grills
 - b) Return air grills in walls
 - c) Openings above door and/or walls without grills.
 - d) Unless noted otherwise, all air transfer (jump ducts) shown are 12x8 registers connected to 8" duct.

EGI ENGINEERING GREAT IDEAS, INC
(A SUBSIDIARY OF ECLS GLOBAL, INC)

William H
Roberts

Digitally signed by William H Roberts
DN:
serialNumber=A01410C0000195587FE1F0137
463.2.5.4.97=NTRUS+FL-P16000022871, o=EGI-
Engineering Great Ideas Inc., cn=William H
Roberts, sn=Roberts, givenName=William,
email=roberts.egi@gmail.com, c=US
Date: 2026.05.11 10:36:56 -04'00'

WILLIAM H. ROBERTS, P.E. #42712
FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098
6790 NEW TAMPA HIGHWAY
SUITE 207
LAKELAND FL, 33815
OFFICE NO: (813) 752-7078



THIS ITEM HAS BEEN
DIGITALLY SIGNED AND
SEALED BY WILLIAM H.
ROBERTS, P.E. ON THE
DATE ADJACENT TO THE
SEAL.

SIGNATURE MUST
BE VERIFIED ON ANY
ELECTRONIC COPIES

Plant Number: 69		P.E. William H. "Rob" Roberts, P.E. 6790 New Tampa Hwy, Suite # 207 Lakeland, Florida 33815 Lic. # 42712		Plant Information Palm Harbor Homes, Inc. 605 S. Frontage Road Plant City, Florida 33566	
Drawing Information Model Number: 340EL28603AMO Sales Name: ASHLEY Series: ELITE		Dealer: -- Customer: -- 3rd Party Hilborn, Werner, Carter and Associates(HWC) 1627 South Myrtle Ave Clearwater, FL. 33756		State: LISTING AGENCY APPROVAL These prints comply with the Florida Manufactured Building Act of 1979 Construction Code and adhere to the following criteria: CONST. TYPE VB OCCUPANCY SFD ALLOWABLE NO. OF FLOORS 1 WIND VELOCITY 160 ULT(3 SEC) FIRE RATING OF EXT. WALLS 0 PLAN NO. 2102-1797F ALLOW. FLOOR LOAD 40 APPROVAL DATE 05-12-26 MANUFACTURER PHH HIGH VELOCITY HURRICANE ZONE NO	
Sheet Title: ROOF & DUCT PLAN 24		MUR 261 IWC		Sheet NA of NA 2102-1797F	
Sheet Number S1.04.1		Date: 04-20-26		Serial #: --	
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PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 533.8452 and Florida Administrative Code 61 G20-3.006, this document provides the information and the product approval number(s) on the building components listed below

Manufacturer: Palm Harbor Homes of Florida - Plant City

Plant Number: 09/340



William H
Roberts

Digitally signed by William H Roberts
DN:
serialNumber=A01410C000001995867FE1F001374
63, 2.5.4.97=NTRUS+FL-P16000022871, o=EGI-
Engineering Great Ideas Inc., cn=William H Roberts
sn=Roberts, givenName=William,
email=rrroberts.egi@gmail.com, c=US
Date: 2026.05.11 10:37:22 -04'00'

WILLIAM H. ROBERTS, P.E. #42712
FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098
6790 NEW TAMPA HIGHWAY
SUITE 207
LAKELAND FL, 33815
OFFICE NO: (813) 752-7078

[illegible]

Plant Number:

99

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P.E.: William H. "Rob" Roberts, P.E.
6790 New Tampa Hwy,
Covington, GA 30026

Suite # 207
Lakeland, Florida 33815
Lic. # 42712

Plant Information

Palm Harbor Homes, Inc.
605 S. Frontage Road
Plant City, Florida 33566

Drawing Information

HLEY
#UEL286U3AMU

Date:

04-20-26

1000

dealer: --

customer:

Third Party

Hilborn, Werner, Carter
and Associates(HWC)
627 South Myrtle Ave
Clearwater, FL. 33756

tate:

LISTING AGENCY APPROVAL
These prints comply with the Florida
Manufactured Building Act of 1979
Construction Code and adhere to the
following criteria:

CONST. TYPE	<u>VB</u>
OCCUPANCY	<u>SFD</u>
ALLOWABLE NO. OF FLOORS	<u>1</u>

WIND VELOCITY 160 ULT(3 SEC)
FIRE RATING OF
EXT. WALLS 0
PLAN NO. 2102-1797F
ALLOW. FLOOR

LOAD	40
APPROVAL DATE	05-12-26
MANUFACTURER	PHH

HIGH VELOCITY
HURRICANE ZONE NO

IWC

100	100
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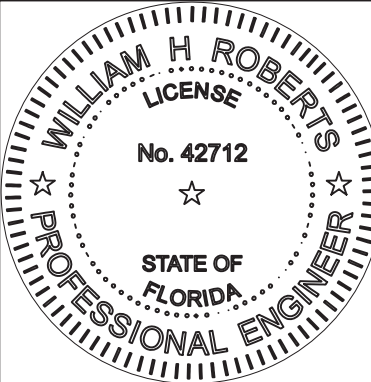
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FLORIDA PRODUCT APPROVALS

Sheet Number

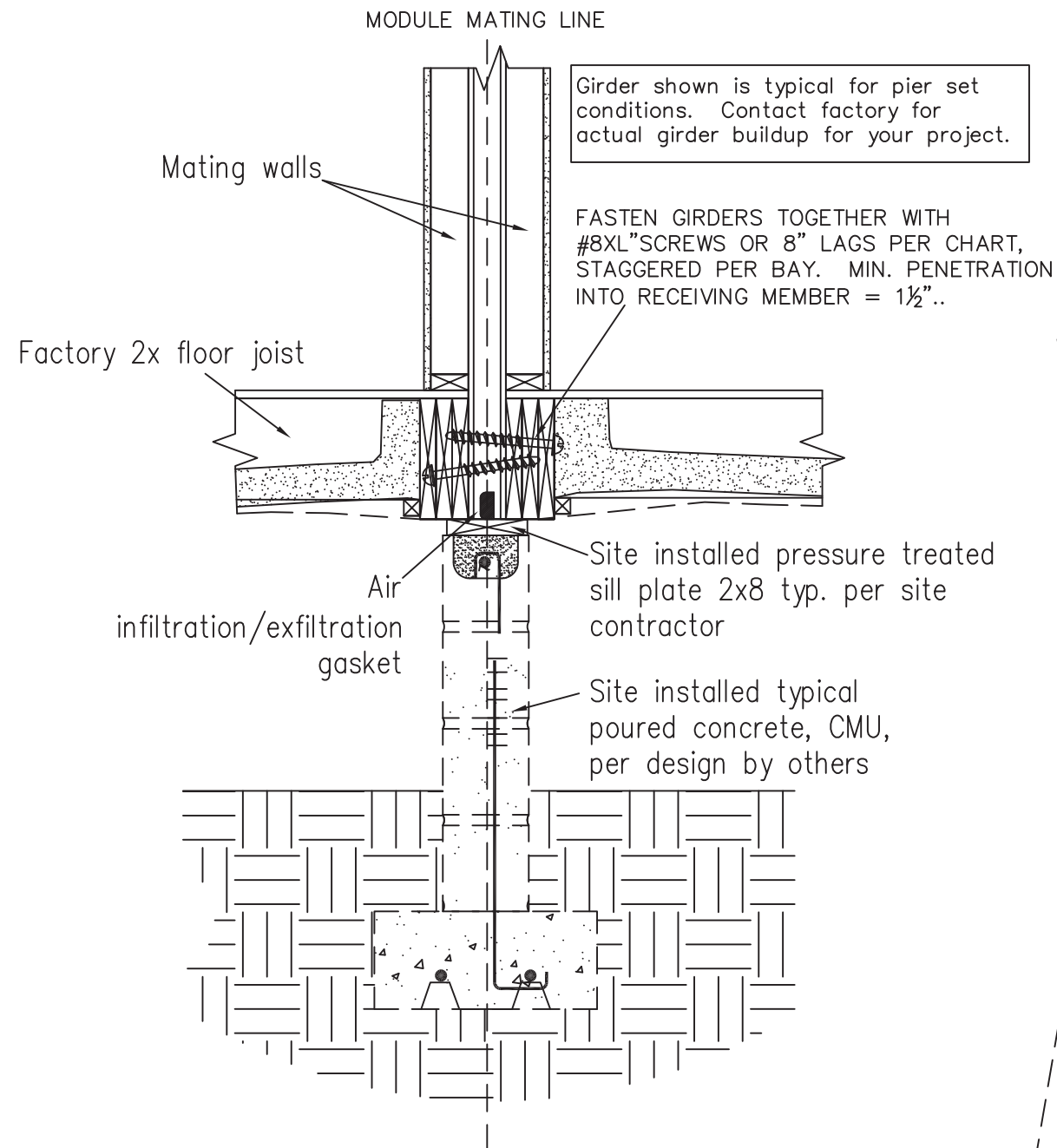
Sheet NA of NA

Plan #: 2102-1797F

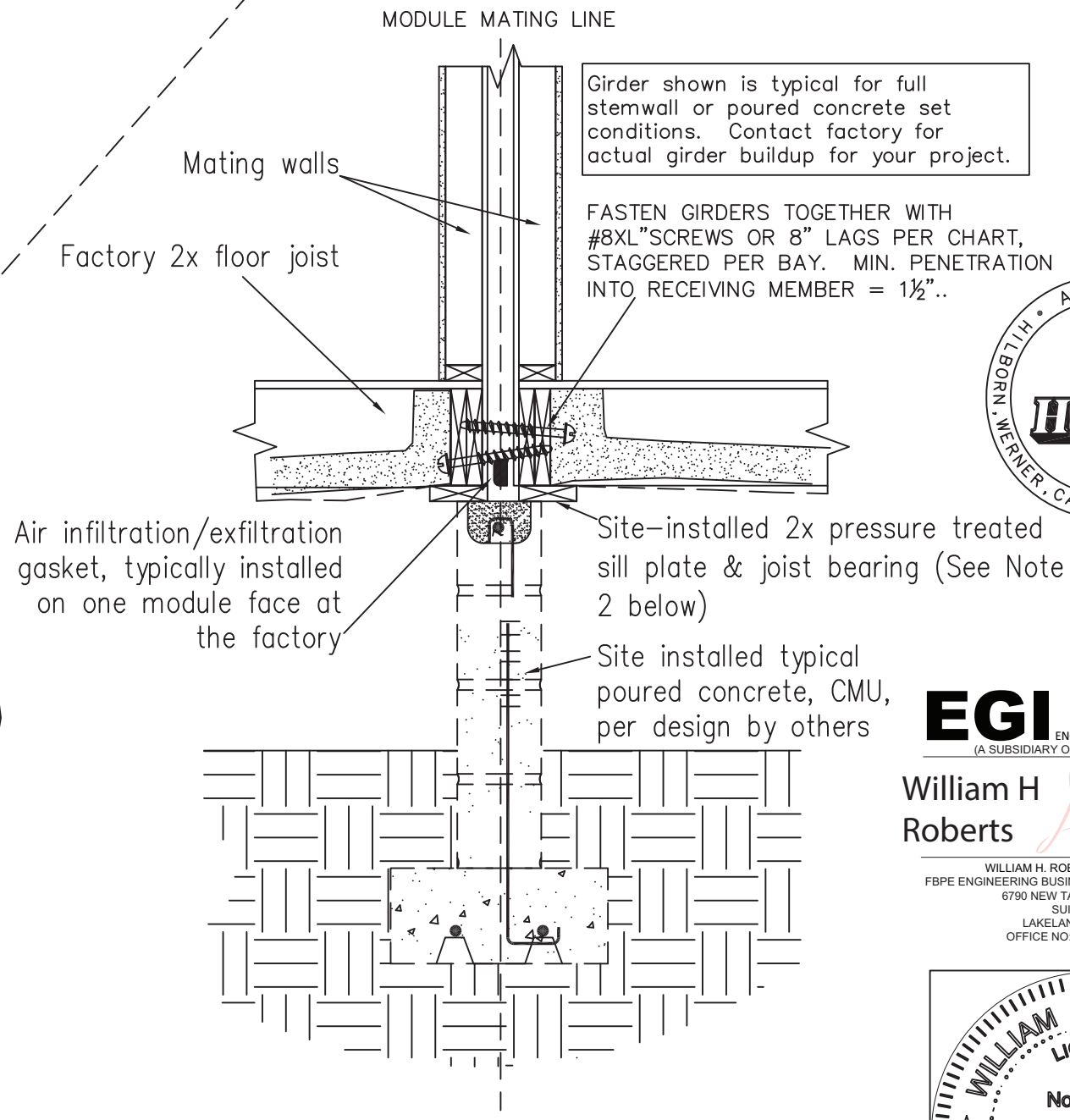


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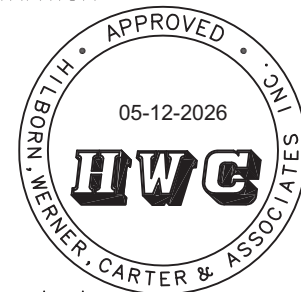


MPH Vult Exp. D	Module Interconnection @ Floor Girders			
	#8 Screws inches O.C.	3/8" Lags inches O.C.		
	Up to 164" floor width	Up to 184" floor	Up to 164" floor	Up to 184" floor
115	12	8 1/2	9 3/4	6
140	8	5 3/4	6 5/8	4
150	7	5	5 3/4	3 1/2
160	6 3/8	4 3/8	5 3/4	3 7/8
170	5 5/8	3 7/8	3 7/8	2 5/8
180	5	3 1/2	3 3/8	2 3/8
208	3 5/8	2 1/2	2 5/8	1 7/8



NOTES:

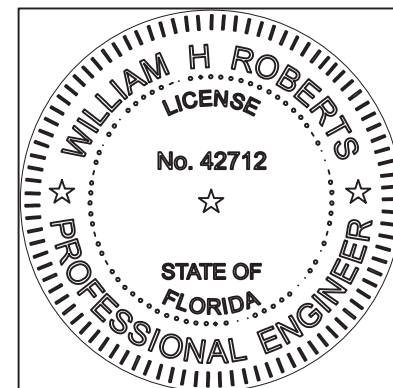
1. INSTALLATION CONTRACTOR SHALL TAKE CARE TO PREVENT AIR INFILTRATION/EXFILTRATION. IF THE FACTORY INSTALLED GASKET IS DAMAGED OR SEGMENTS MISSING, IT SHALL BE REPAIRED, REPLACED, OR THE USE OF OTHER METHODS OF ENVELOPE CLOSURE SHALL BE USED, I.E., EXPANDING FOAM, CAULKING, DURABLE TAPE OR SHEATHING, OR A COMBINATION OF THESE METHODS.
2. 2X SILL PLATE (MIN. 2X6 PT OR WIDER) MUST PROVIDE A MIN. OF 1½" FOR FLOOR JOIST BEARING. FACE NAIL SILL PLATE TO PERIMETER RAIL WITH 0.131X3" NAILS 8" O.C. MUST USE CORROSION RESISTANT FASTENERS WITH PRESSURE TREATED LUMBER.



EGI ENGINEERING GREAT IDEAS, INC.
(A SUBSIDIARY OF ECLS GLOBAL, INC.)

William H Roberts

WILLIAM H. ROBERTS, P.E. #42712
FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098
6790 NEW TAMPA HIGHWAY
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OFFICE NO: (813) 752-7078



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY WILLIAM H. ROBERTS, P.E. ON THE DATE ADJACENT TO THE SEAL.

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Plant Number: 69

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P.E. William H. "Rob" Roberts, P.E.
6790 New Tampa Hwy,
Suite # 207
Lakeland, Florida 33815
Lic. # 42712

Plant Information

Palm Harbor Homes, Inc.
605 S. Frontage Road
Plant City, Florida 33566

Drawing Information

Model Number: 340EL28603AMO

Sales Name: ASHLEY

Series: ELITE

Drawn by: TH

Date: 04-20-26

Serial #: --

Dealer: --

Customer: --

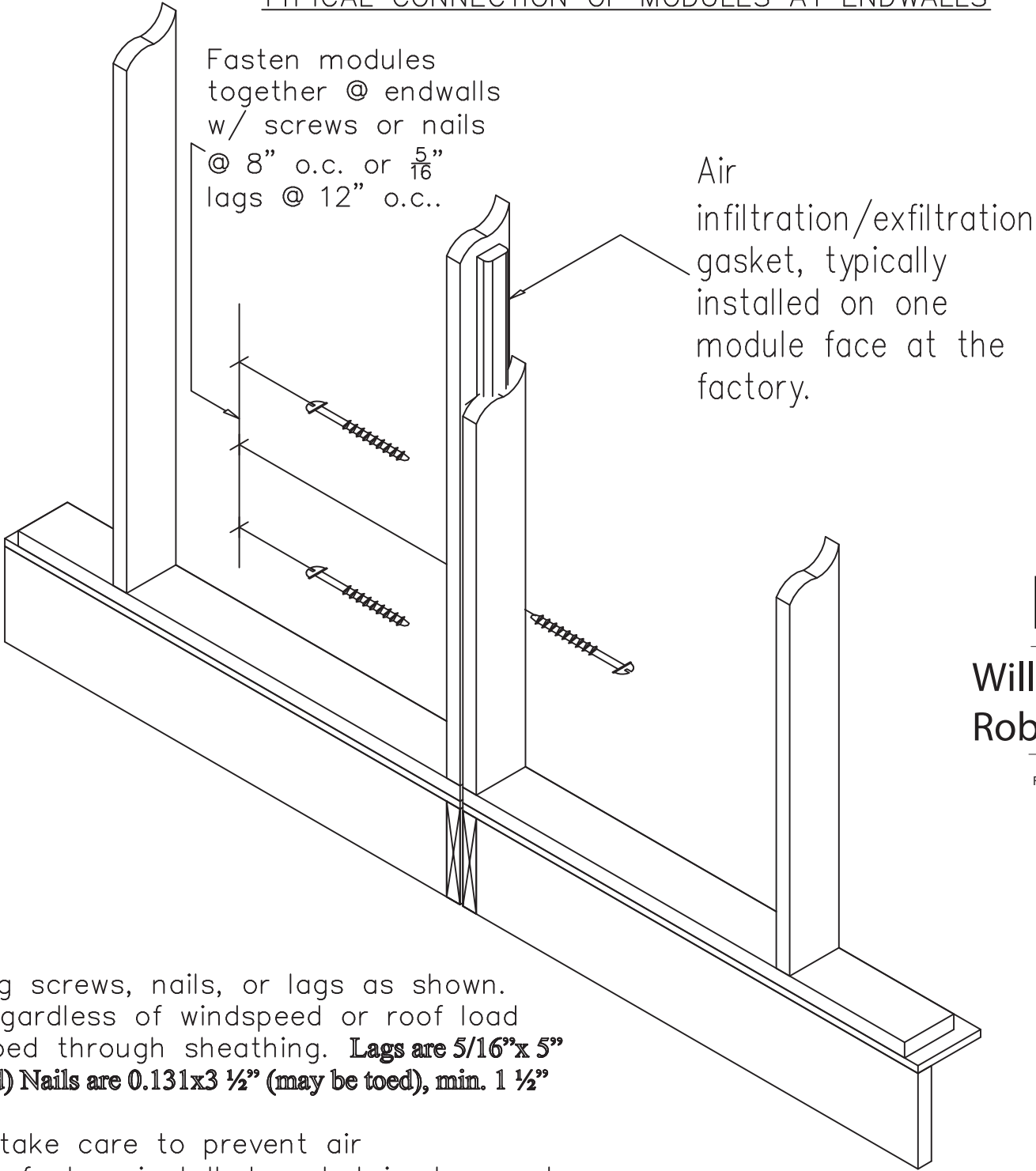
Sheet Title: IM-FLOOR

Sheet Number: IM.01

Sheet of: NA

Plan #: 2102-1797F

TYPICAL CONNECTION OF MODULES AT ENDWALLS

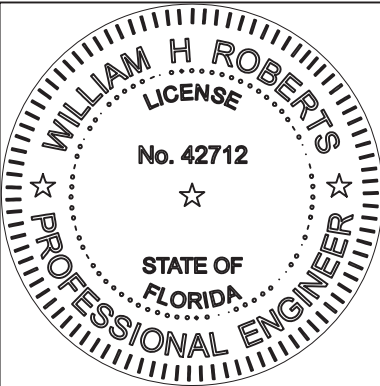


EGI
ENGINEERING GREAT IDEAS, INC
(A SUBSIDIARY OF ECLS GLOBAL, INC)

William H Roberts

Digitally signed by William H Roberts
DN: serialNumber=A01410C000001995867FE1F00137463,
2.5.4.97=NTRUS+FL-P16000022871, o=EGI-
Engineering Great Ideas Inc., cn=William H Roberts,
sn=Roberts, givenName=William,
email=wroberts.egi@gmail.com, c=US
Date: 2026.05.11 10:38:26 -04'00'

WILLIAM H. ROBERTS, P.E. #42712
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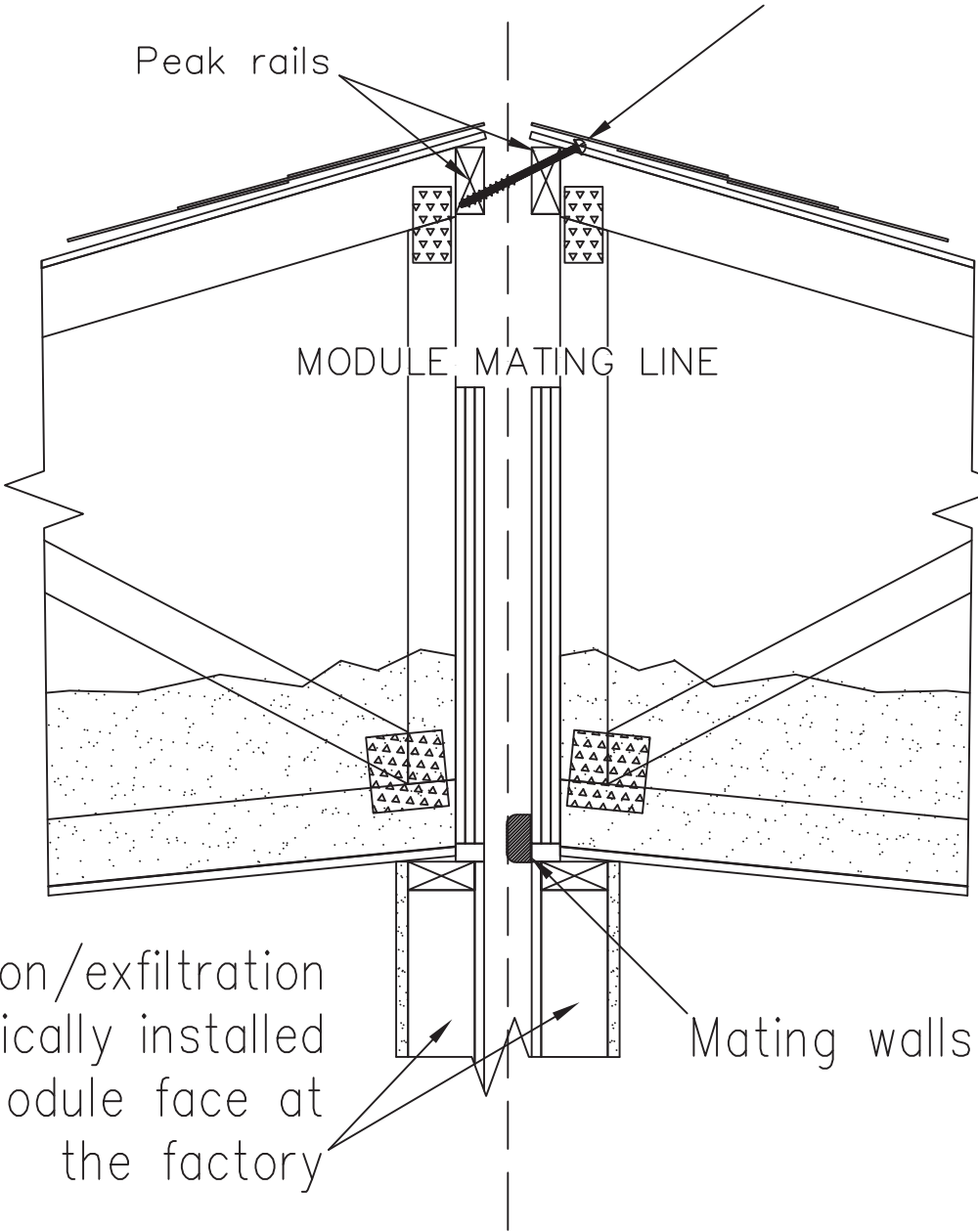
Notes:

1. Endwalls are connected using screws, nails, or lags as shown. This connection is typical regardless of windspeed or roof load design. Fasteners may be toed through sheathing. **Lags are 5/16"x 5" long. Screws are #8x4" (May be toed) Nails are 0.131x3 1/2" (may be toed), min. 1 1/2" penetration into receiving member.**
2. installation contractor shall take care to prevent air infiltration/exfiltration. If the factory installed gasket is damaged or segments missing, it shall repaired, replaced, or the use of other methods of envelope closure shall be used, i.e., expanding foam, caulking, durable tape or sheathing, or a combination of these methods.
3. Endwall/mating wall configurations on some models prevent the interconnection of the modules on some plans. on those plans, the endwalls are designed to be "stand alone" walls and no fasteners are necessary.

Sheet Title:		P.E. William H. "Rob" Roberts, P.E. 6790 New Tampa Hwy, Suite # 207 Lakeland, Florida 33815 Lic. # 42712		Plant Number: 69			
IM-ENDWALL		Drawing Information		Model Number: 340EL28603AMO		Palm Harbor Homes, Inc. 605 S. Frontage Road Plant City, Florida 33566	
Sheet Number		Sales Name: ASHLEY		Series: ELITE		© Copyright 2026 Palm Harbor Homes, Inc. All Rights Reserved	
IM.02		Date:		TH 04-20-26			
Sheet		Drawn by:		Serial #:			
NA		TH		---			
of							
NA							
2102-1797F							
Plan #:							

Fixed Roof Module
Interconnection

Fasten mating line peak rails together
with #10xL” screws
(L= min. penetration into receiving
member of 1½”. Typ. 4½” screw)



Module Interconnection @ Roof Peak			
#10 Screws inches O.C.			
MPH Vult Exp. D	Sheathing securement to Rail (factory)	Site Screw Spacing Rail to Rail End Zone (3')	Site Screw Spacing Rail to Rail Int. Zone
150	2 3/4	5 3/4	9
160	2 3/8	5	7 3/4
170	2 1/8	4 3/8	7
180	1 7/8	3 7/8	6 1/4
208	1 3/8	2 7/8	4 5/8

NOTES:

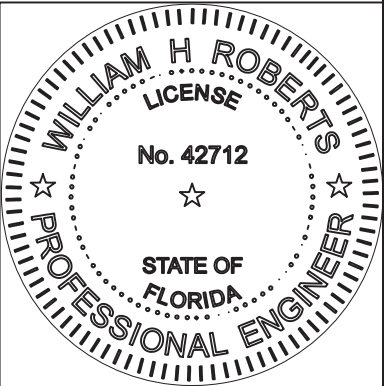
1. INSTALLATION CONTRACTOR SHALL TAKE CARE TO PREVENT AIR INFILTRATION/EXFILTRATION. IF THE FACTORY INSTALLED GASKET IS DAMAGED OR SEGMENTS MISSING, IT SHALL REPAIRED, REPLACED, OR THE USE OF OTHER METHODS OF ENVELOPE CLOSURE SHALL BE USED, I.E., EXPANDING FOAM, CAULKING, DURABLE TAPE OR SHEATHING, OR A COMBINATION OF THESE METHODS.

William H
Roberts



Digitally signed by William H Roberts
DN: serialNumber=A01410C00001995867FE1F00137463,
2.5.4.97=NTRUS+FL-P16000022871, o=EGI- Engineering
Great Ideas Inc., cn=William H Roberts, sn=Roberts,
givenName=William, email=roberts.egi@gmail.com, c=US
Date: 2026.05.11 10:38:56 -04'00'

WILLIAM H. ROBERTS, P.E. #42712
FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098
6790 NEW TAMPA HIGHWAY
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LAKELAND FL, 33815
OFFICE NO: (813) 752-7078



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Plant Number: **69**

P.E. William H. "Rob" Roberts, P.E.
6790 New Tampa Hwy,
Suite # 207
Lakeland, Florida 33815
Lic. # 42712

Plant Information

Palm Harbor Homes, Inc.
605 S. Frontage Road
Plant City, Florida 33566

Drawing Information

Model Number: 340EL28603AMO

Sales Name: ASHLEY

Series: ELITE

Drawn by: TH

Date: 04-20-26

Serial #: --

Dealer: --

Customer: --

Sheet Title: IM-FIXED PEAK

Sheet Number: IM.03

Sheet of: NA

Plan #: 2102-1797F

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Job 116640	Truss M1275001	Truss Type MONO TRUSS	Qty 1	Ply 1	Palm Harbor 407	PH723M
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UFP Industries Inc., Grand Rapids, MI 49525, Mike Patten 8.730 e Jan 4 2024 MiTek Industries, Inc. Wed May 1 08:07:46 2024

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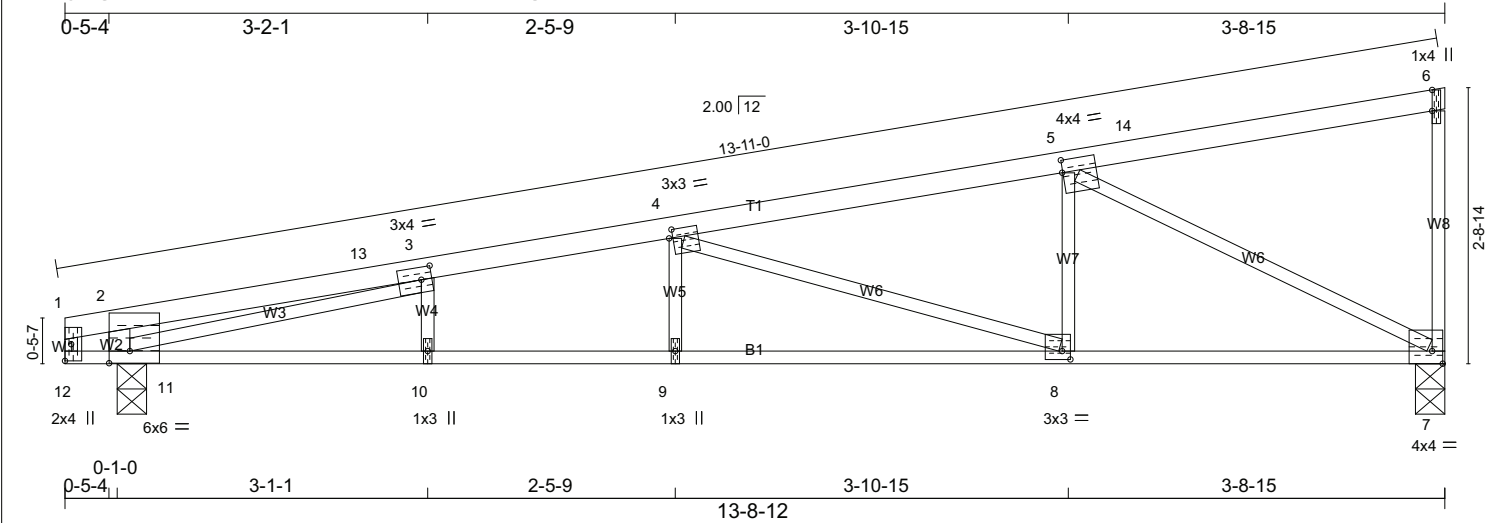


Plate Offsets (X,Y)-- [3:0-1-4,0-1-8], [4:0-0-7,0-1-0], [5:0-0-1,0-1-8], [6:0-2-8,0-0-0], [7:0-1-4,Edge], [8:0-1-0,0-1-0], [11:0-2-7,0-1-7]

SPACING--: 2-0-0 LOADING (psf) TCLL 20.0 TCDL 9.0 BCLL 0.0 * BCDL 6.0	SPACING--: 1-4-0 LOADING (psf) TCLL 30.0 TCDL 13.5 BCLL 0.0 * BCDL 9.0	Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code FBC2023/TPI2014	CSI. TC 0.72 BC 0.93 WB 0.63 Matrix-P	DEFL. in (loc) l/defl L/d Vert(LL) 0.26 10 >601 240 Vert(CT) 0.23 10 >683 180 Horz(CT) -0.06 7 n/a n/a	PLATES GRIP MT20 244/190 Weight: 35 lb FT = 0%
--	---	---	--	---	--

LUMBER-
TOP CHORD 2x3 SP No.2
BOT CHORD 2x2 SP No.1
WEBS 2x2 SP No.2 *Except*
W2: 2x3 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-7 oc purlins, except end verticals [MCT]
BOT CHORD Rigid ceiling directly applied. [PC]

REACTIONS. (lb/size) 7=459/0-3-8 (min. 0-1-8), 11=494/0-3-8 (min. 0-1-8)
Max Horz 11=191(LC 10)
Max Uplift 7=520(LC 10), 11=535(LC 6)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-17/5, 2-13=-31/54, 3-13=-24/55, 3-4=-1217/1592, 4-5=-704/911, 5-14=-45/5, 6-14=-42/14, 6-7=-89/246, 1-12=-61/3
BOT CHORD 11-12=-11/7, 10-11=-1757/1265, 9-10=-1757/1265, 8-9=-1757/1266, 7-8=-1022/710
WEBS 5-7=-804/1156, 2-11=-129/417, 3-10=0/78, 4-9=-12/104, 5-8=-214/261, 4-8=-583/773, 3-11=-1234/1538

- NOTES-**
- 1) This truss has been checked for uniform roof live load only, except as noted.
 - 2) Wind: ASCE 7-22; Vult=150mph (3-second gust) Vasd=116mph @24in o.c.; TCDL=3.6psf; BCDL=2.4psf; (Alt. 180mph @16in o.c.; TCDL=5.4psf; BCDL=3.6psf); h=35ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-0-12 to 3-0-12, Zone1 3-0-12 to 10-8-0, Zone3 10-8-0 to 13-8-0 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 520 lb uplift at joint 7 and 535 lb uplift at joint 11.
 - 7) Reference UFP Engineering Bulletin 06-06 for information on re-grading ripped lumber.
 - 8) This design has been checked for Alpine Wave 20 gauge plates.



WARNING - Verify design parameters and READ NOTES

Truss shall not be cut or modified without approval of the truss design engineer.

This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719 J:\support\MitekSupp\templates\ufp.tpe

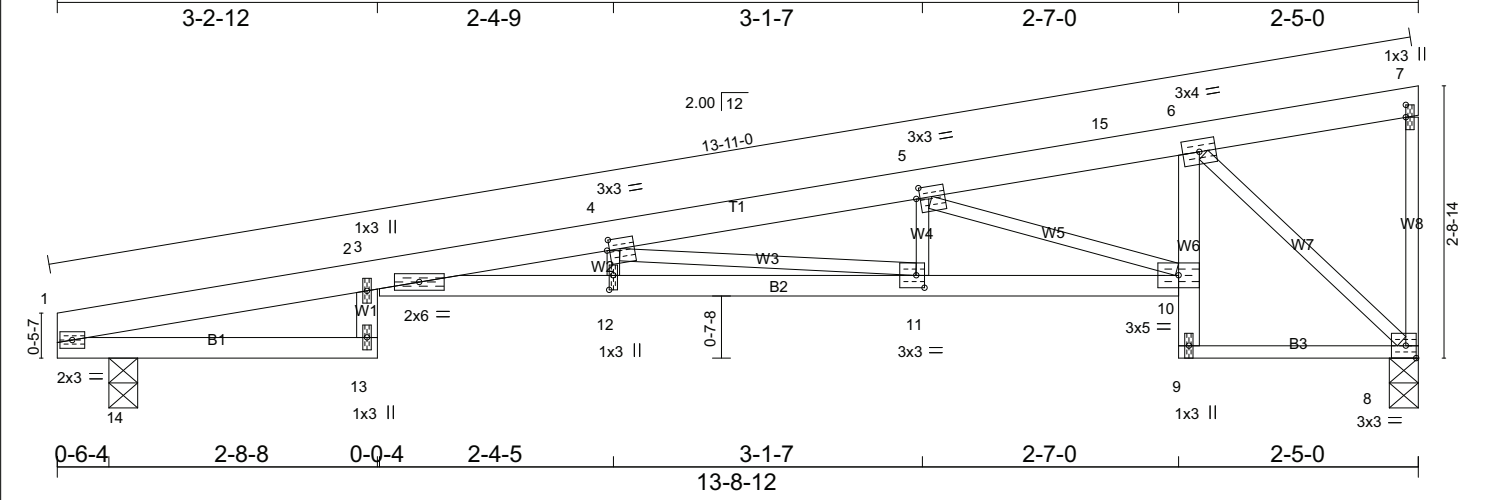
UFP Industries, Inc.
PHONE (616)-364-6161

2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

Job 117010	Truss M1275002	Truss Type MONO TRUSS	Qty 1	Ply 2	Palm Harbor 407
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UFP Industries Inc., Grand Rapids, MI 49525, Mike Patten 8.730 e Jan 4 2024 MiTek Industries, Inc. Thu Jun 6 09:34:45 2024

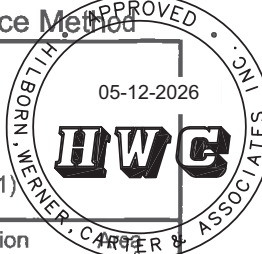
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FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: 340EL28603AMO AH R1A Street: City, State, Zip: , FL, Owner: Design Location: FL, Lee/Collier	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Collier(Florida Climate Zone 1)
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1. New construction or existing New (From Plans) 2. Single family or multiple family Detached 3. Number of units, if multiple family 1 4. Number of Bedrooms 3 5. Is this a worst case? Yes 6. Conditioned floor area above grade (ft²) 1468 Conditioned floor area below grade (ft²) 0 7. Windows(218.7 sqft.) Description Area a. U-Factor: Dbl, U=0.34 218.67 ft² SHGC: SHGC=0.30 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 4.914 ft Area Weighted Average SHGC: 0.300 8. Skylights Description Area U-Factor:(AVG) N/A N/A ft² SHGC:(AVG): N/A 9. Floor Types Insulation Area a. Raised Floor R= 11.0 1468.00 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Types(1728.0 sqft.) Insulation a. Frame - Wood, Exterior R=19.0 1728.00 ft² b. N/A c. N/A d. N/A 11. Ceiling Types(1468.0 sqft.) Insulation Area a. Flat ceiling under att (Vented) R=38.0 1468.00 ft² b. N/A c. N/A 12. Roof(Comp. Shingles, Vented) Deck R=0.0 1513 ft² 13. Ducts, location & insulation level R ft² a. Sup: Attic, Ret: Main, AH: Main 6 124 b. c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 35.3 SEER2:14.30 15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 19.3 HSPF2:7.50 16. Hot Water Systems Cap: 30 gallons a. Electric UEF: 0.920 b. Conservation features 17. Credits None Pstat
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Glass/Floor Area: 0.149

Total Proposed Modified Loads: 49.22

Total Baseline Loads: 54.94

PASS

NOTE: Proposed residence must have annual total normalized Modified Loads that are less than or equal to 95 percent of the annual total loads of the standard reference design in order to comply.

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY:

Bruce Russell

DATE: 04/27/26 RATER ID 608

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT:

DATE:

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



BUILDING OFFICIAL:

DATE:

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Default duct leakage does not require a Duct Leakage Test Report.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 7.00 ACH50 (R402.4.1.2).

Date 05-12-26 Plan No. 2102-1797F
 Approved By SCOTT S. FRANCIS

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method



Project Name: 340EL28603AMO AH R2A
 Street:
 City, State, Zip: , FL,
 Owner:
 Design Location: FL, Lakeland

Builder Name:
 Permit Office:
 Permit Number:
 Jurisdiction:
 County: Polk(Florida Climate Zone 2)

1. New construction or existing	New (From Plans)	10. Wall Types(1728.0 sqft.)	Insulation
2. Single family or multiple family	Detached	a. Frame - Wood, Exterior	R=19.0 1728.00 ft ²
3. Number of units, if multiple family	1	b. N/A	
4. Number of Bedrooms	3	c. N/A	
5. Is this a worst case?	Yes	d. N/A	
6. Conditioned floor area above grade (ft ²)	1468	11. Ceiling Types(1468.0 sqft.)	Insulation Area
Conditioned floor area below grade (ft ²)	0	a. Flat ceiling under att (Vented)	R=38.0 1468.00 ft ²
7. Windows(218.7 sqft.)	Description Area	b. N/A	
a. U-Factor:	Dbl, U=0.34 218.67 ft ²	c. N/A	
SHGC:	SHGC=0.30	12. Roof(Comp. Shingles, Vented) Deck	R=0.0 1513 ft ²
b. U-Factor:	N/A ft ²	13. Ducts, location & insulation level	R ft ²
SHGC:		a. Sup: Attic, Ret: Main, AH: Main	6 124
c. U-Factor:	N/A ft ²	b.	
SHGC:		c.	
Area Weighted Average Overhang Depth:	4.914 ft	14. Cooling Systems	kBtu/hr Efficiency
Area Weighted Average SHGC:	0.300	a. Central Unit	35.6 SEER2:14.30
8. Skylights	Description Area	15. Heating Systems	kBtu/hr Efficiency
U-Factor:(AVG)	N/A N/A ft ²	a. Electric Heat Pump	31.0 HSPF2:7.50
SHGC:(AVG):	N/A	16. Hot Water Systems	
9. Floor Types	Insulation Area	a. Electric	Cap: 30 gallons
a. Raised Floor	R= 11.0 1468.00 ft ²	b. Conservation features	UEF: 0.920
b. N/A	R= ft ²		
c. N/A	R= ft ²	17. Credits	None
			Pstat

Glass/Floor Area: 0.149

Total Proposed Modified Loads: 51.51

Total Baseline Loads: 56.22

PASS

NOTE: Proposed residence must have annual total normalized Modified Loads that are less than or equal to 95 percent of the annual total loads of the standard reference design in order to comply.

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY:

Bruce Russell

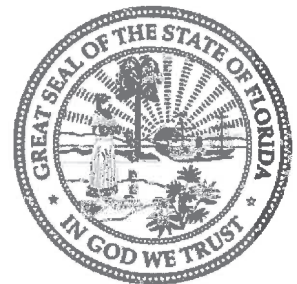
DATE: 04/27/26 RATER ID 608

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT:

DATE:

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



BUILDING OFFICIAL:

DATE:

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Default duct leakage does not require a Duct Leakage Test Report.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 7.00 ACH50 (R402.4.1.2).

Date 05-12-26 Plan No. 2102-1797F
 Approved By SCOTT S. FRANCIS