HWC

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 Modular / (727) 585-2392 Depix / (727) 587-0447 Inspection

ASHLEY

340EL28603AMO

Sheet List Table	
Sheet Number	Sheet Title
G0.01	Title Sheet ON
A0.01	Code Sheet ON
A0.02	Construction Notes
A1.01	Floorplan
A2.01	Front & Rear Elevations
A2.02	Right & Left Elevations
A3.01	On Frame Cross Section
A3.01	On Frame Cross Section Notes
E0.01	Electrical Notes
E1.01	Electrical Plan
P1.01	DWV Plan
P1.02	Cold Supply Lines
P1.03	Hot Supply Lines
S0.02	Column & Shearwall Tables ON
S1.01.02	Floor Framing ON 16 OC
S1.01.03	Floor Framing ON 24 OC
S1.04	Roof & Duct Plan 16
S1.04.1	Roof & Duct Plan 24
----	NON-INDEXED ATTACHMENTS
----	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

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

Date 05-12-26 Plan No. 2102-1797F
Approved By SCOTT S. FRANCIS
Modular Building Plans Examiner
Florida License No. SMP-42

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

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:
--

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 HWC

Sheet Title: TITLE SHEET ON
Sheet Number: G0.01
Sheet NA of NA
Plan #: 2102-1797F

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, piered units (piered 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, piered 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.

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.

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)

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	FUEL: 8th EDITION FBC (2023) FUEL GAS CODE
PLUMBING: 8th EDITION (2023) FBC PLUMBING CODE	ACCESSIBILITY: FBC 8th EDITION (2023) ACCESSIBILITY
ENERGY: FBC 8th EDITION (2023) ENERGY CONSERVATION CODE	

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

Florida product approvals are on file with third party.

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

William H Roberts

Digitally signed by William H Roberts
DN: serialNumber=A01410C000001995867FE1F0013 7463, 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 10:30:35 -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

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

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

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

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

General Notes:

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

⬡
See Page S0.01 Shear Wall Notes.
See Shear Wall Tables on other page in this package.
Indicates Shear Wall Locations.

Vasd	Vult (mph) EXP. C	Vult (mph) EXP. D	TRUSS SPACING END ZONE	TRUSS SPACING 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.

NOTE: WINDOWS & DOORS MUST BE RATED FOR APPLICABLE WIND PRESSURES PER CHARTS ON CODE SHEET (Typically A0.01)

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

EGI ENGINEERING GREAT IDEAS, INC
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William H Roberts

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Palm Harbor Homes

Plant Number: 69

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

Drawing Information
Model Number: 340EL28603AMO
Sales Name: ASHLEY
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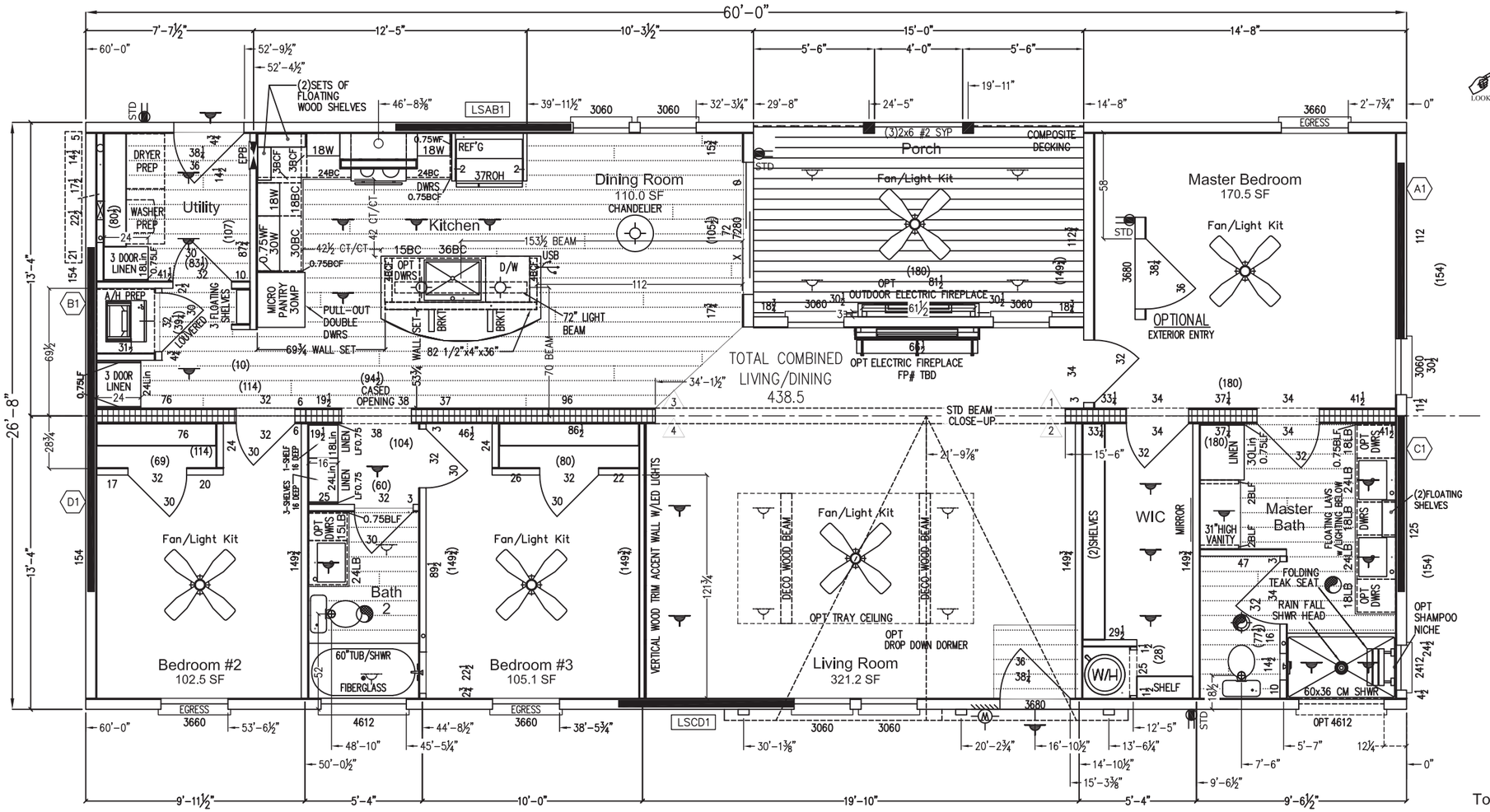
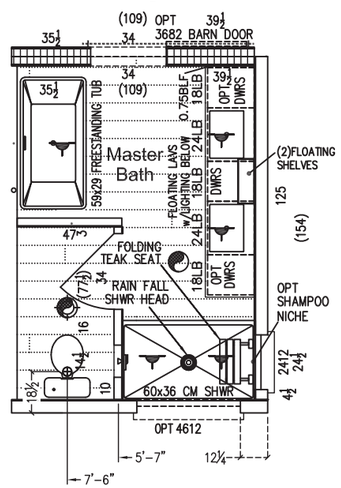
MANUFACTURER	PHH
HIGH VELOCITY HURRICANE ZONE	NO

MUR 261 IWC

Sheet Title: CONSTRUCTION NOTES
Sheet Number: A0.02
Sheet: NA of NA
Plan #: 2102-1797F





(DYN) NOTE TO CONTRACTORS:

1. 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.
2. 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 1½" FOR THREE-SECTION HOMES TO ACCOMMODATE MATERIALS GROWTH.

OPTIONAL
MASTER BATHROOM

Total Under Roof Area
1600.0 SF

Total Conditioned Area
1467.5 SF

1' 4'

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-P1600002871, o=EGI-Engineering Great Ideas Inc., cn=William H Roberts, sn=Roberts, givenName=William, email=roberts.egi@gmail.com, c=US
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Sheet Title: FLOORPLAN
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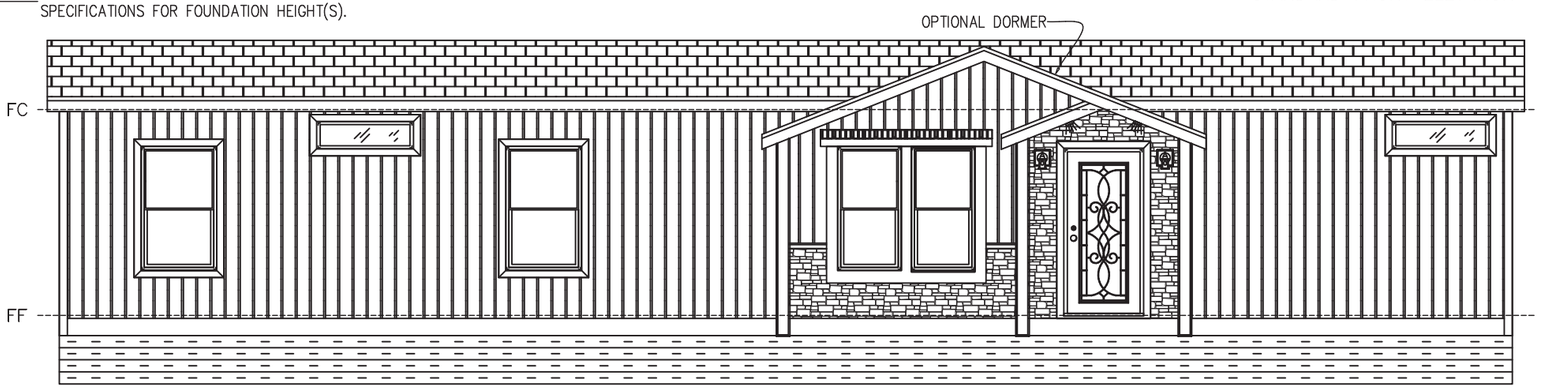
Sheet NA of NA
Plan #: 2102-1797F

X = SEE SITE BUILDER'S FOUNDATION DETAILS AND SPECIFICATIONS FOR FOUNDATION HEIGHT(S).

STANDARD FRONT ELEVATION



OPTIONAL FRONT ELEVATION
SHOWN w/OPT ASHBURY DOOR, OPT DORMER, and OPT 46X12 HORIZON

REAR ELEVATION

**Porch rails may be omitted at the factory to be, sourced, designed and installed on site by others

(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 1/150 OR 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.

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

1' 4'

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=roberts.egi@gmail.com, c=US
Date: 2026.05.11 10:31:25 -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

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

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

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: 4-20-26
Serial #: -

Dealer: --
--

Customer:
--

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

State:
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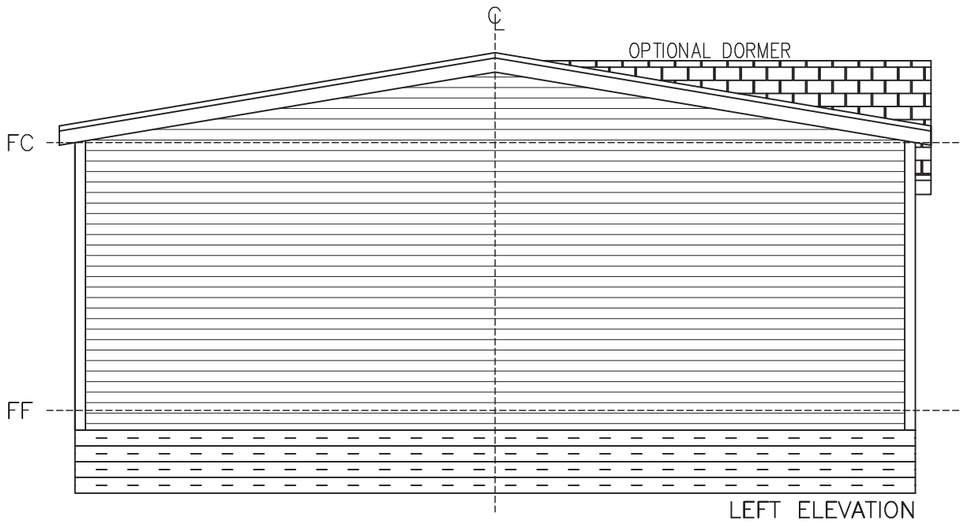
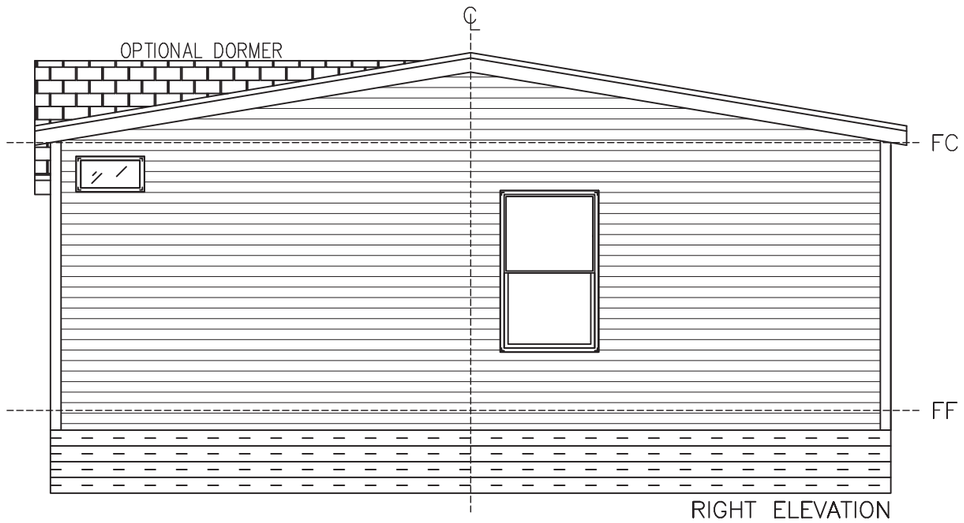
WIND VELOCITY	160 ULT(3 SEC)
FIRE RATING OF EXT. WALLS	0
PLAN NO.	2102-1797F
ALLOW. FLOOR LOAD	40
APPROVAL DATE	05-12-26
MANUFACTURER	PHH
HIGH VELOCITY HURRICANE ZONE	NO

MUR 264

Sheet Title: FRONT & REAR ELEVATION
Sheet Number: A2.01
Sheet NA of NA
Plan #: 2102-1797F



LEFT ELEVATION



RIGHT ELEVATION

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1' 4'

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Serial #: -

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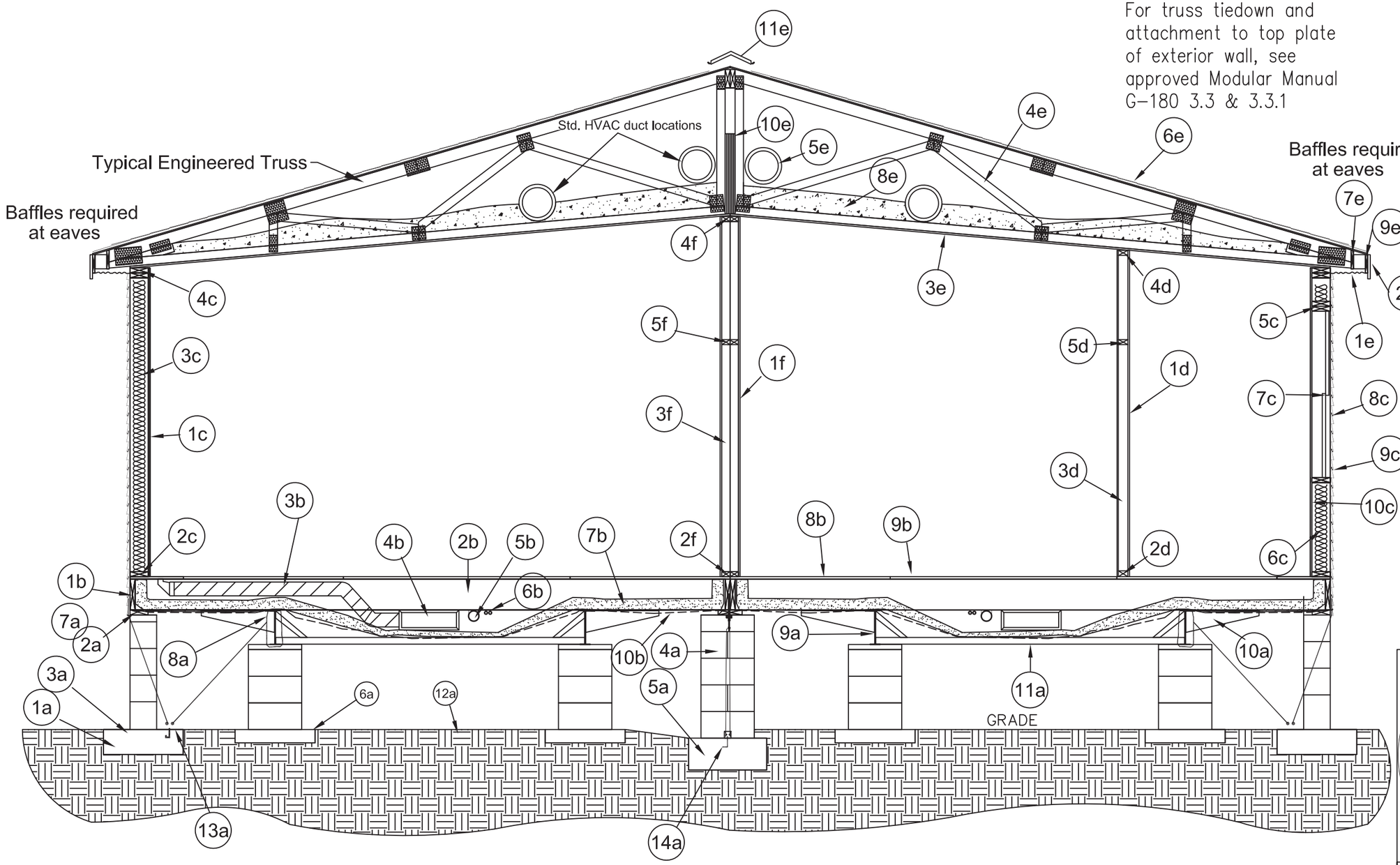
MANUFACTURER	PHH
HIGH VELOCITY HURRICANE ZONE	NO

MUR 261 IWC

Sheet Title: RIGHT & LEFT ELEVATIONS
Sheet Number: A2.02
Sheet NA of NA
Plan #: 2102-1797F



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HIGH VELOCITY HURRICANE ZONE	NO

MUR 261 HWC

Sheet Title: ON FRAME CROSS SECTION
Sheet Number: A3.01
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, ⅝" or ¾".
9b. Floor covering – vinyl, carpet, wood laminate, or ceramic tile
10b. Bottom board vapor and air barrier

Exterior wall

1c. ½" or ⅜" 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 ½" or ⅜" 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. ½" 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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MUR 26-0

Sheet Title: ON FRAME CROSS SECTION NOTES
Sheet Number: A3.01
Sheet NA of NA
Plan #: 2102-1797F

(DYN)GENERAL ELECTRICAL NOTES:

1. Exterior receptacles outlets shall be weather resistant, gfi protected and installed with covers approved for outdoor installation.
2. Cross over connection between modules is accomplished by using "amp' wire connectors, supplied by connector manufacturer.
3. All electrical components must be u.l. approved and installed per listing and manufacturers's installation instructions.
4. Smoke alarms are interconnected for simultaneous activation with battery backup. All smoke alarms are equipped with a "hush button" feature.
5. 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.
6. All wiring is nm-cable unless otherwise noted.
7. All bath exhaust fans must exhaust directly to the exterior.
8. Additional outlets and lights may be added (in addition to those shown on the approved details) without re-approval.
9. All general purpose outlets are required to be on arc-fault circuits, except bathrooms, exterior receptacles, and Jacuzzi.
10. 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.
11. Egress path must be maintained to the panel box.
12. 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.
13. 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..
14. 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.
15. 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".
16. 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.
17. 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.
18. 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.
19. ALL circuits crossing over module marriage line(s), shall be site connected with approved accessible junction boxes OR cable connectors.
20. 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.
21. Ceiling fans shall be 80 inches minimum, from the bottom of the blades to the finished floor.
22. ALL electrical components shall be U.L. Listed and installed in accordance with that listing.
23. Receptacles intended to service bathroom lavatories shall not be located more than 36" away from said lavatory.
24. 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.
25. 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.
26. All 3-way switches are to be wired using 14-3 wire unless otherwise noted on plan.
27. 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.
28. 100% of all permanently installed lighting fixtures shall have high efficacy lamps FBC and 90% of all pernanently installed lighting in IRC 2018.

NEC – 2020

MAIN BREAKER 200 AMP

Notes:
1. (G/A) = GFI AND ARC FAULT
2. (AF)= Arc Fault
3. (G)= GFCI
4. (AF/GF*)=GFI WHEN WITHIN 6' OF WATER BASIN EDGE

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*)	*	*				
20	12–2*	OPT. FREEZER	19(G/A)	*	*	18(AF)	SMOKE ALARMS	15	14–3*
15	14–2*	OPT JACUZZI G.F.I.	21	*	*	20	EXTERIOR GFI	20	12–2*
20	12–2*	OPT MICROWAVE	23(AF/GF*)	*	*	24(AF)	GEN. LIGHTING	15	14–2*
PER MFG	PER MFG	OPT CONDENSER	25**	*	*	26(AF)	GEN. LIGHTING	15	14–2*
20 2 POLE	12–2*	OPTIONAL ELEVATOR	27	*	*	28(AF)	GEN. LIGHTING	15	14–2*
				*					
15	14–2*	GEN. LIGHTING	29(AF)	*	*	30(AF)	GEN. LIGHTING	15	14–2*
15	14–2*	GEN. LIGHTING	31(AF)	*	*	32(AF)	GEN. LIGHTING	15	14–2*

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	4.4
NO. OF 20-AMP APPLIANCE OUTLET CIRCUITS	3	4,500	4.5
LAUNDRY CIRCUIT	1	1,500	1.5
SUBTOTAL		**10,401**	**10.401**
NAME PLATE RATINGS			
RANGE	1	8,000	8.0
WATER HEATER	1	5,500	5.5
DISH WASHER	1	1,400	1.4
CLOTHES DRYER	1	5,000	5.0
GARBAGE DISPOSAL	1	1,500	1.5
COOK TOP	0	0	0.0
WALL OVEN	0	0	0.0
MICROWAVE	1	1,500	1.5
OPT FREEZER	0	0	0.0
JACUZZI	0	0	0.0
ELEVATOR	0	0	0.0
SEISCO SUPERCHARGER SC90	0	0	0.0
WARMING DRAWER KOWT100ESS	0	0	0.0
0	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	15.8
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

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				SURFACE FLUORESCENT	CEILING FAN OR CEILING FAN PREP	CEILING FAN/LIGHT OR CEILING FAN/LIGHT PREP
SMOKE ALARM	PENDANT LIGHT						
CO SA CARBON MONOXIDE / SMOKE DETECTOR	LED LIGHT CEILING MOUNTED FIXTURE SURFACE LIGHT RATED FOR WET AREA					THERMOSTAT	WHOLE HOUSE FAN
	SURFACE LIGHT RATED FOR WET AREA	DB	DOOR CHIME BOX (WIRELESS)			FLUORESCENT 24" SURFACE FLOURESCENT	FLOOD LIGHT PREP
GENERAL COMMUNICATIONS BOX	FACTORY WIRED CABLE, PHONE, NETWORK, 15/20 AMP RECEPTACLE.						

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

William H Roberts

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Date: 2026.05.11 10:32:37 -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

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

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

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: 4-20-26
Serial #: -

Dealer: --
--

Customer:
--

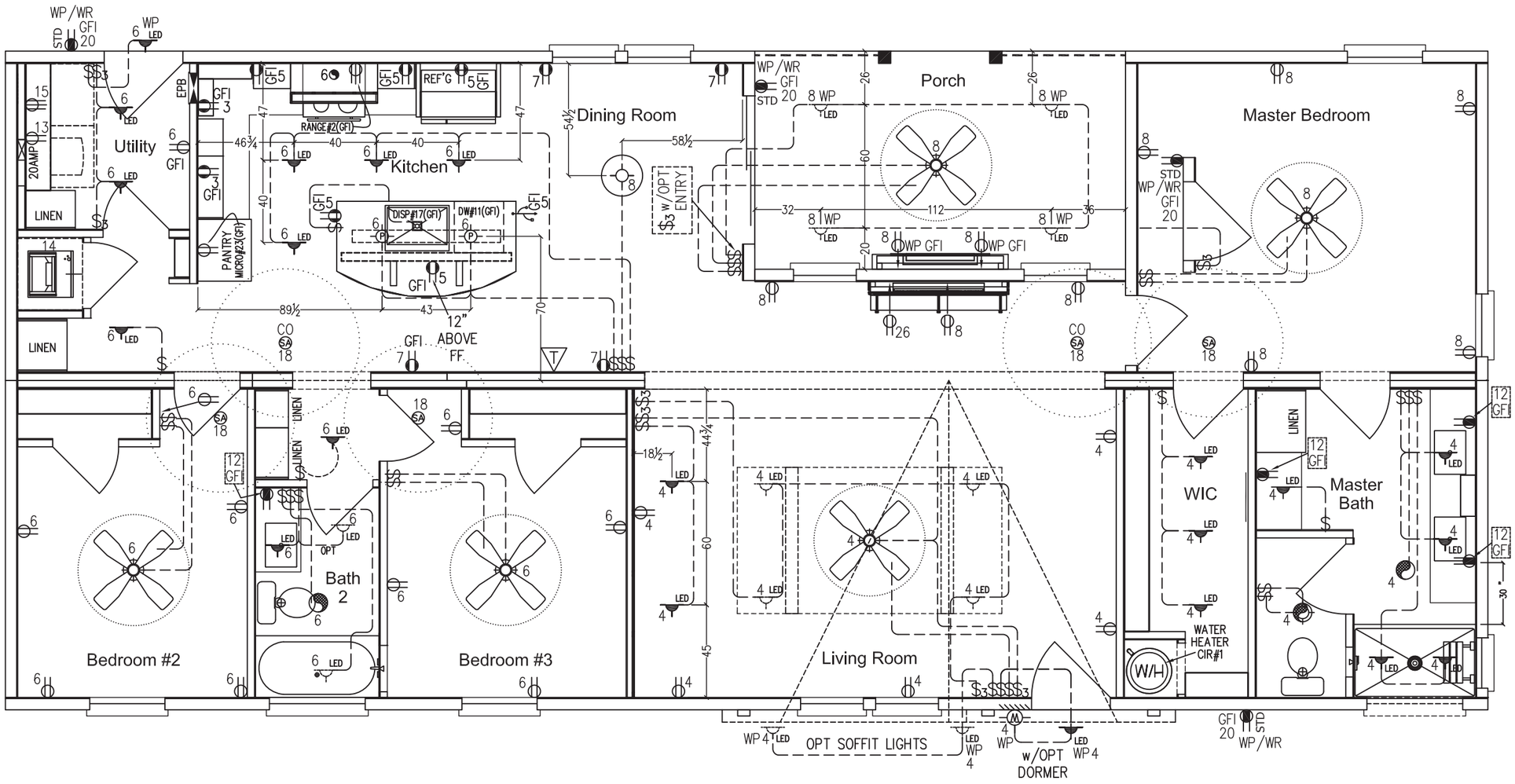
3rd Party
Hilborn,Werner,Carter and Associates(HWC)
1627 South Myrtle Ave
Clearwater, FL. 33756

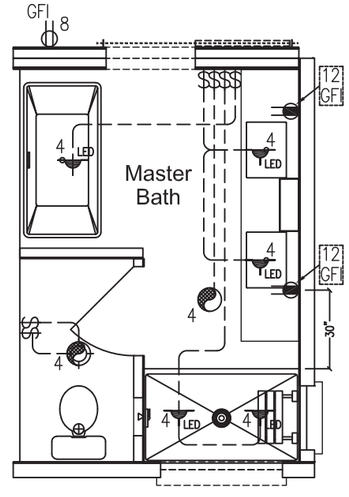
State:
LISTING AGENCY APPROVAL
These prints comply with the Florida Manufactured Building Act of 1979 Construction Code and adhere to the following criteria:

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 261 IRWC

Sheet Title: ELECTRICAL NOTES
Sheet Number: E0.01
Sheet of NA
Plan #: 2102-1797F





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

William H Roberts

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Date: 2026.05.11 10:32:57 -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

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

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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

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:
--

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

State:

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

CONST. TYPE	VB
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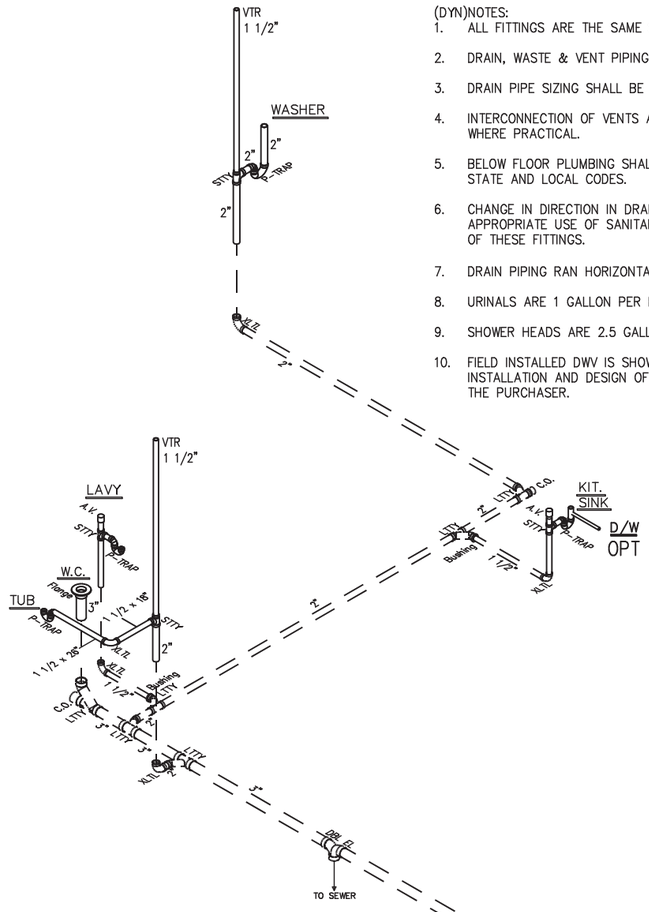
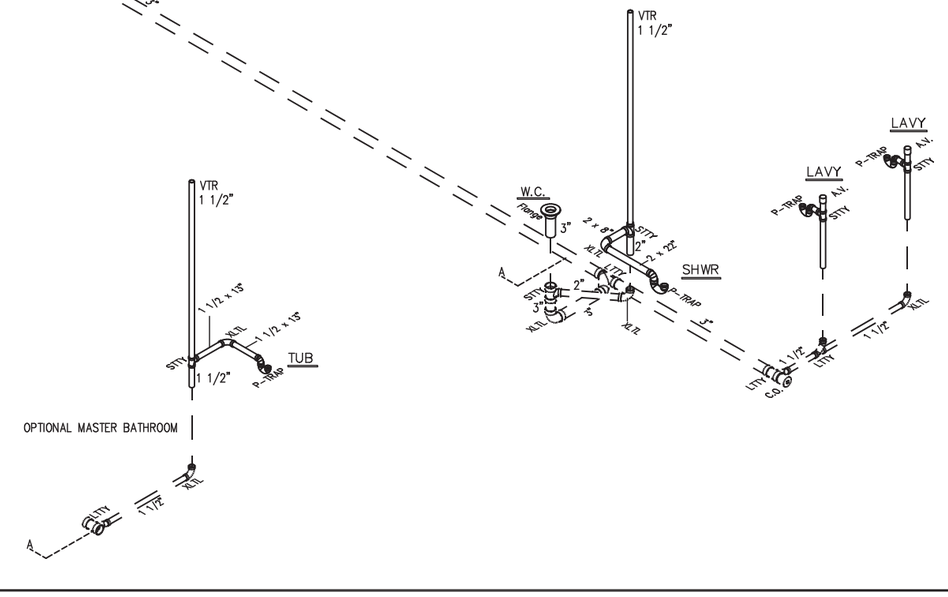
ALLOWABLE NO. OF FLOORS	1
WIND VELOCITY	160 ULT(3 SEC)
FIRE RATING OF EXT. WALLS	0
PLAN NO.	2102-1797F
ALLOW. FLOOR LOAD	40
APPROVAL DATE	05-12-26
MANUFACTURER	PHH
HIGH VELOCITY HURRICANE ZONE	NO

MUR 261 IRC

Sheet Title: ELECTRICAL PLAN
Sheet Number: E1.01
Sheet NA of NA
Plan #: 2102-1797F





(DYN)NOTES:

1. ALL FITTINGS ARE THE SAME SIZE AS THE PIPE TO WHICH THEY ARE CONNECTED
2. DRAIN, WASTE & VENT PIPING SHALL BE ABS OR PVC SCHEDULE 40.
3. DRAIN PIPE SIZING SHALL BE SIZED IN ACCORDANCE WITH TABLE 3005.4.1.2
4. INTERCONNECTION OF VENTS ABOVE CEILINGS SHALL BE MADE IN THE FACTORY WHERE PRACTICAL.
5. BELOW FLOOR PLUMBING SHALL BE PROVIDED AND INSTALLED BY OTHERS AT SITE TO STATE AND LOCAL CODES.
6. CHANGE IN DIRECTION IN DRAINAGE PIPING SHALL BE MADE THROUGH THE APPROPRIATE USE OF SANITARY TEES, WYES, SWEEPS, BENDS OR BY A COMBINATION OF THESE FITTINGS.
7. DRAIN PIPING RAN HORIZONTALLY SHALL BE SUPPORTED A MIN. OF 4'-0" O.C.
8. URINALS ARE 1 GALLON PER FLUSH
9. SHOWER HEADS ARE 2.5 GALLONS PER MINUTE OR LESS
10. FIELD INSTALLED DWV IS SHOWN FOR DEMONSTRATIVE PURPOSES ONLY. THE INSTALLATION AND DESIGN OF ALL FIELD INSTALLED DWV IS THE RESPONSIBILITY OF THE PURCHASER.

EST FIELD PIPE	
10'-0"	1 1/2" Dia. Pipe
29'-0"	2" Dia. Pipe
48'-0"	3" Dia. Pipe

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	LTTY 1-1/2"
3	LTTY 2"
2	LTTY 3"
1	LTTY 3" x 3" x 1-1/2"
2	LTTY 3" x 3" x 2"
1	STTY 3" x 3" x 2"

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

William H Roberts

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OFFICE NO: (813) 752-7078

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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

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:
--

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
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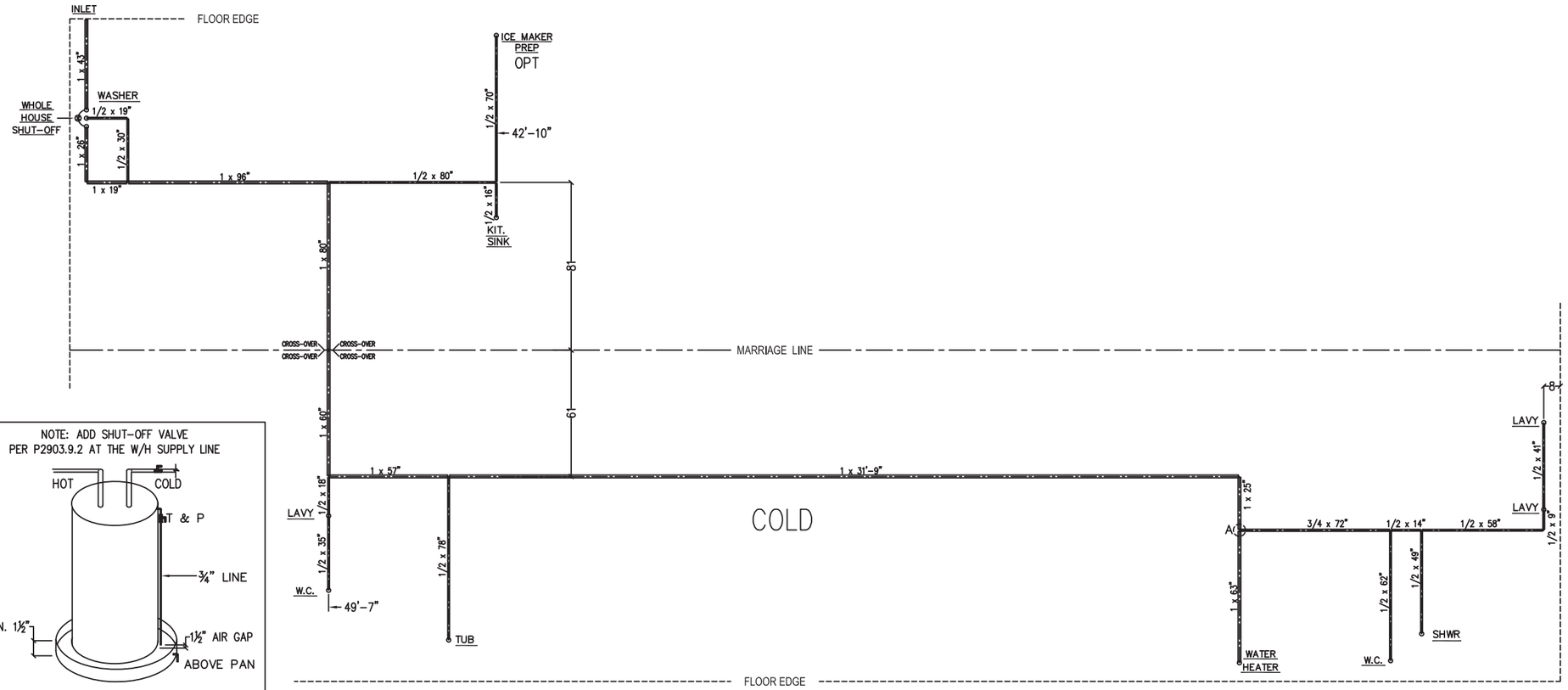
ALLOWABLE NO. OF FLOORS	1
WIND VELOCITY	160 ULT(3 SEC)
FIRE RATING OF EXT. WALLS	0
PLAN NO.	2102-1797F
ALLOW. FLOOR LOAD	40
APPROVAL DATE	05-12-26
MANUFACTURER	PHH
HIGH VELOCITY HURRICANE ZONE	NO

MUR 261 IWC

Sheet Title: DWV PLAN
Sheet Number: P1.01
Sheet NA of NA
Plan #: 2102-1797F

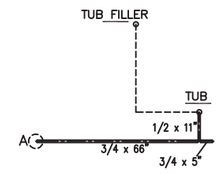


DESIGN BASED ON 40 TO 49 PSI PRESSURE RANGE & MDL = 80 FT.

(DYN)NOTES:

1. WATER SUPPLY PIPING SHALL BE TYPE "L' COPPER, CPVC, CROSS LINKED POLYETHYLENE OR OTHER MATERIALS APPROVED FOR USAGE 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 ¾" 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.

OPT MASTER BATH



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Date: 2026.05.11 10:34:26 -04'00'

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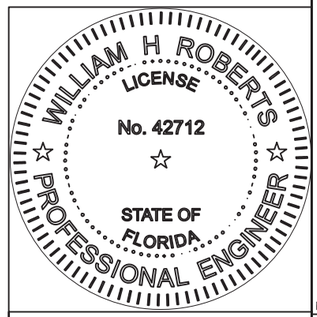

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Palm Harbor Homes

Plant Number: 69

P.E. William H. "Rob" Roberts, P.E.
6790 New Tampa Hwy,
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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: 4-20-26
Serial #: =

Dealer: --
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Customer:
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3rd Party
Hilborn,Werner,Carter and Associates(HWC)
1627 South Myrtle Ave
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State:
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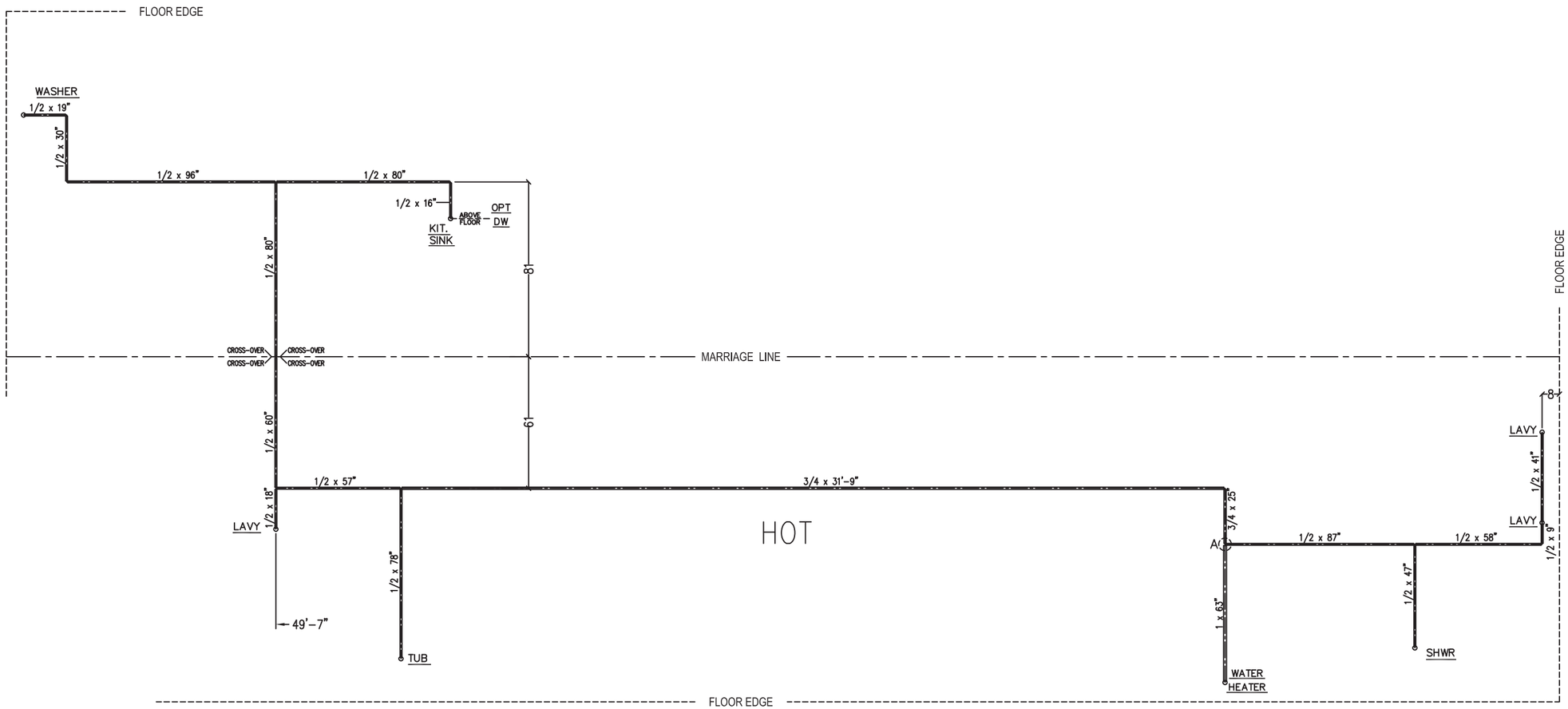
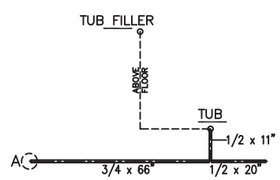
WIND VELOCITY	160 ULT(3 SEC)
FIRE RATING OF EXT. WALLS	0
PLAN NO.	2102-1797F
ALLOW. FLOOR LOAD	40
APPROVAL DATE	05-12-26
MANUFACTURER	PHH
HIGH VELOCITY HURRICANE ZONE	NO

MUR 261 IWC

Sheet Title: COLD SUPPLY LINES
Sheet Number: P1.02
Sheet NA of NA
Plan #: 2102-1797F



OPT MASTER BATH



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Lic. # 42712

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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:
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3rd Party
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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: HOT SUPPLY LINES
Sheet Number: P1.03
Sheet: NA of NA
Plan #: 2102-1797F

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

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

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

Diaphragm Connections			Spacing w/Single Fasteners				
			D1(ft.)	D2(ft.)	D3(ft.)	D4(ft.)	D5(ft.)
@ Shear Wall	Dbl Fast'g	Req'd Spacing	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 NUM	STUD LENGTH	STUD SIZE	BLK	FLOOR WIDTH	SPAN	LOAD	UPLIFT LOAD
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

150 MPH Vult NON ELEV

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

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

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

Diaphragm Connections			Spacing w/Single Fasteners				
			D1(ft.)	D2(ft.)	D3(ft.)	D4(ft.)	D5(ft.)
@ Shear Wall	Dbl Fast'g	Req'd Spacing	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 EXPOSURE: D
ROOF LOAD: 20 PSF
DESIGN WIND SPEED: 116 MPH — ULTIMATE WIND SPEED: 150 MPH

NO.	26 GA STRAP	TYPE	STUD NUM	STUD LENGTH	STUD SIZE	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

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(A SUBSIDIARY OF ECLS GLOBAL, INC)

William H Roberts

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Date: 2026.05.11 10:35:19 -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

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

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

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: 4-20-26
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 26

IWC

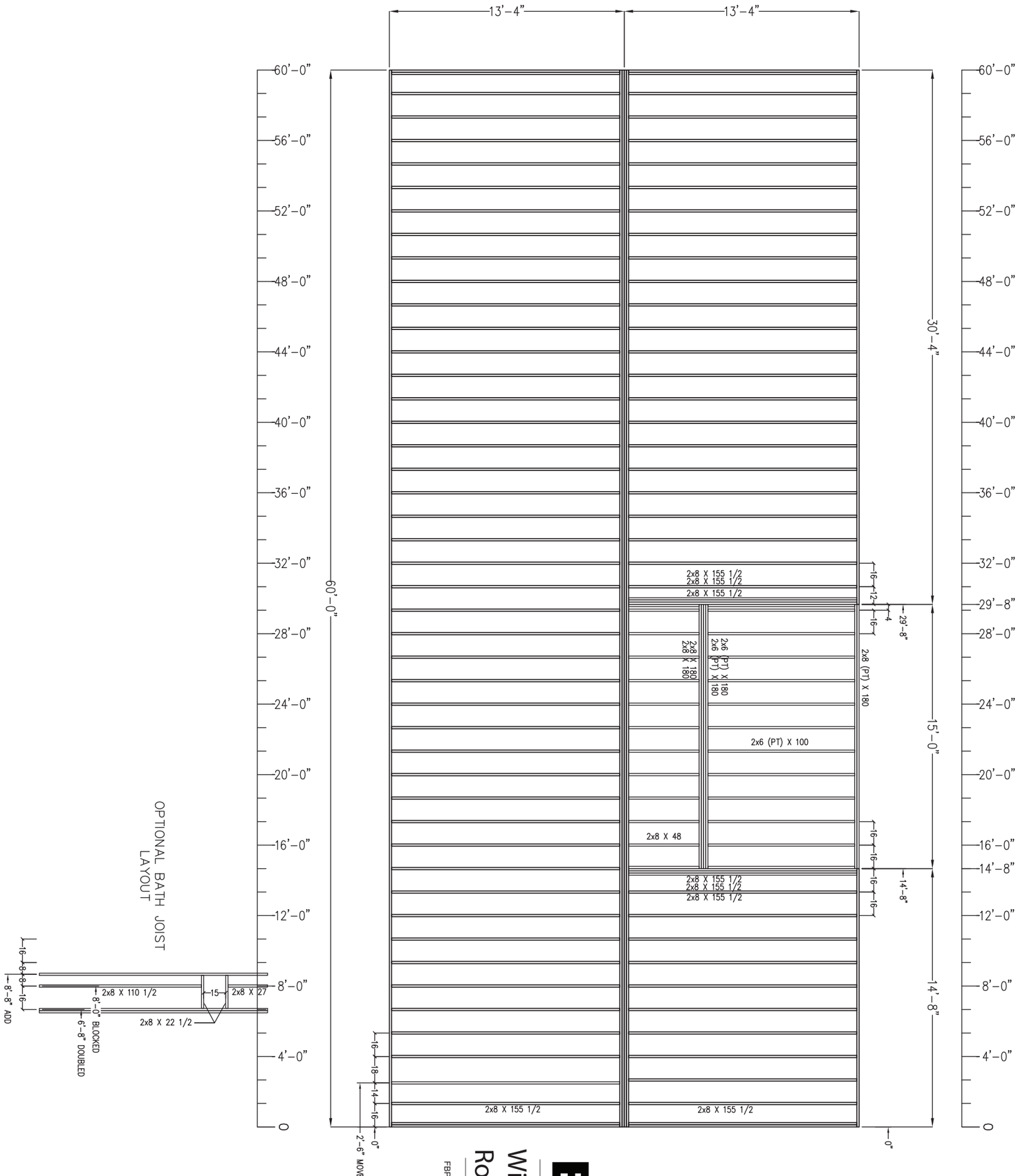
Sheet Title: COLUMN & SHEARWALL TABLES
Sheet Number: S0.02
Sheet NA of NA
Plan #: 2102-1797F

ON - FRAME FLOOR FRAMING 16 oc

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

ON FRAME FLOOR FRAMING NOTES 16" O.C. (DYN):

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.



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

William H Roberts

Digitally signed by William H Roberts
Date: 2026.01.13 11:33:54 -05'00'

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

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Sheet Title:	FLOOR FRAMING ON 16 OC
Sheet Number	S1.01.02
Sheet	NA of NA
Plan #:	2102-1797F

MUR 261 UWG

OCCUPANCY	SFD
CONST. TYPE	VB
ALLOWABLE NO. OF FLOORS	1
WIND VELOCITY 160 (ULTIMATE)	
FIRE RATING OF EXT. WALLS	0
PLAN NO. ALLOW. FLOOR LOAD	2102-1797F 40
APPROVAL DATE	05-12-26
MANUFACTURER	PHH
HIGH VELOCITY HURRICANE ZONE	NO

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

State: LISTING AGENCY APPROVAL

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

Customer: --

Dealer: --

Drawing Information	
Model Number:	340EL28603AMO
Sales Name:	ASHLEY
Series:	ELITE
Drawn by: TH	Date: 04-20-26
Serial #:	--

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

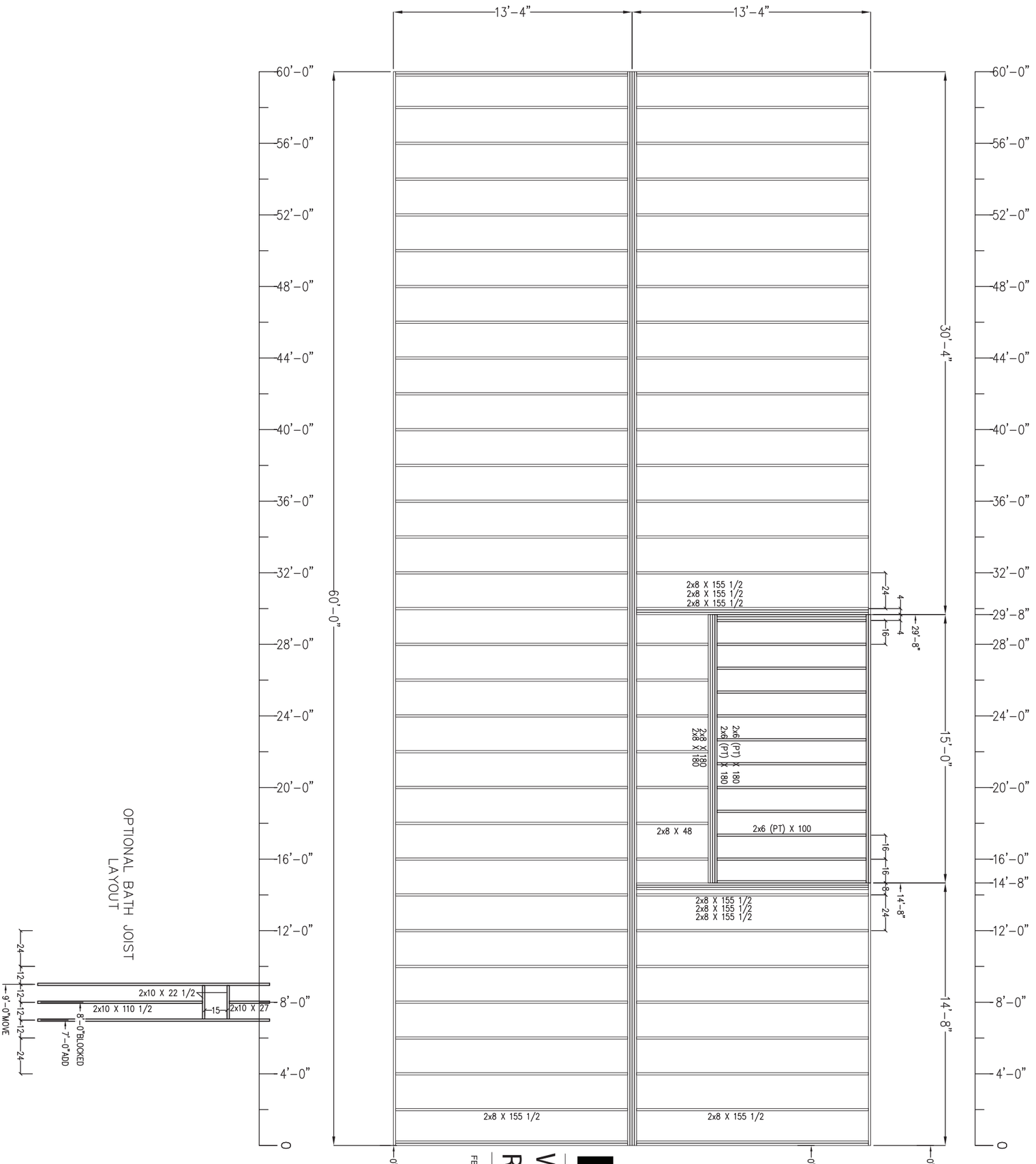
Plant Number: 69

Palm Harbor Homes

ON - FRAME FLOOR FRAMING 24 oc

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

ON FRAME FLOOR FRAMING NOTES 24" O.C. (DYN):
1. INTERIOR JOISTS ARE 2X8 #2 SPF OR BETTER, 24" 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 APPROVED MODUTLAR MANUAL G SECTION FOR FRAMING CONNECTION REQUIREMENTS.



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

William H Roberts

Digitally signed by William H Roberts
DN: cn=emailNumber=A01410C000001995867FE1F00137483-2.5.4.97=NTRS5+FL-P16000032871, ou=EGI Engineering Great Ideas Inc., o=EGI Engineering Great Ideas Inc., email=rroberts.egi@gmail.com, c=US, givenName=William, sn=Roberts
Date: 2026.03.11 10:30:04 -04'00'

WILLIAM H. ROBERTS, P.E. #42712
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OFFICE NO: (813) 752-7078

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

Sheet Title:	FLOOR FRAMING ON 24 OC
Sheet Number	S1.01.03
Sheet	NA of NA
Plan #:	2102-1797F

MUR 261 UWG

HIGH VELOCITY HURRICANE ZONE	NO
MANUFACTURER	PHH
APPROVAL DATE	05-12-26
PLAN NO. ALLOW. FLOOR LOAD	40
FIRE RATING OF EXT. WALLS	0
WIND VELOCITY 160 (ULTG SEC)	2102-1797F
OCCUPANCY OF FLOORS	1
ALLOWABLE NO.	SFD
CONST. TYPE	VB

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

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

Customer: --

Dealer: --

Drawing Information	
Model Number:	340EL28603AMO
Sales Name:	ASHLEY
Series:	ELITE
Drawn by: TH	Date: 04-20-26
Serial #:	--

P.E. William H. "Rob" Roberts, P.E.
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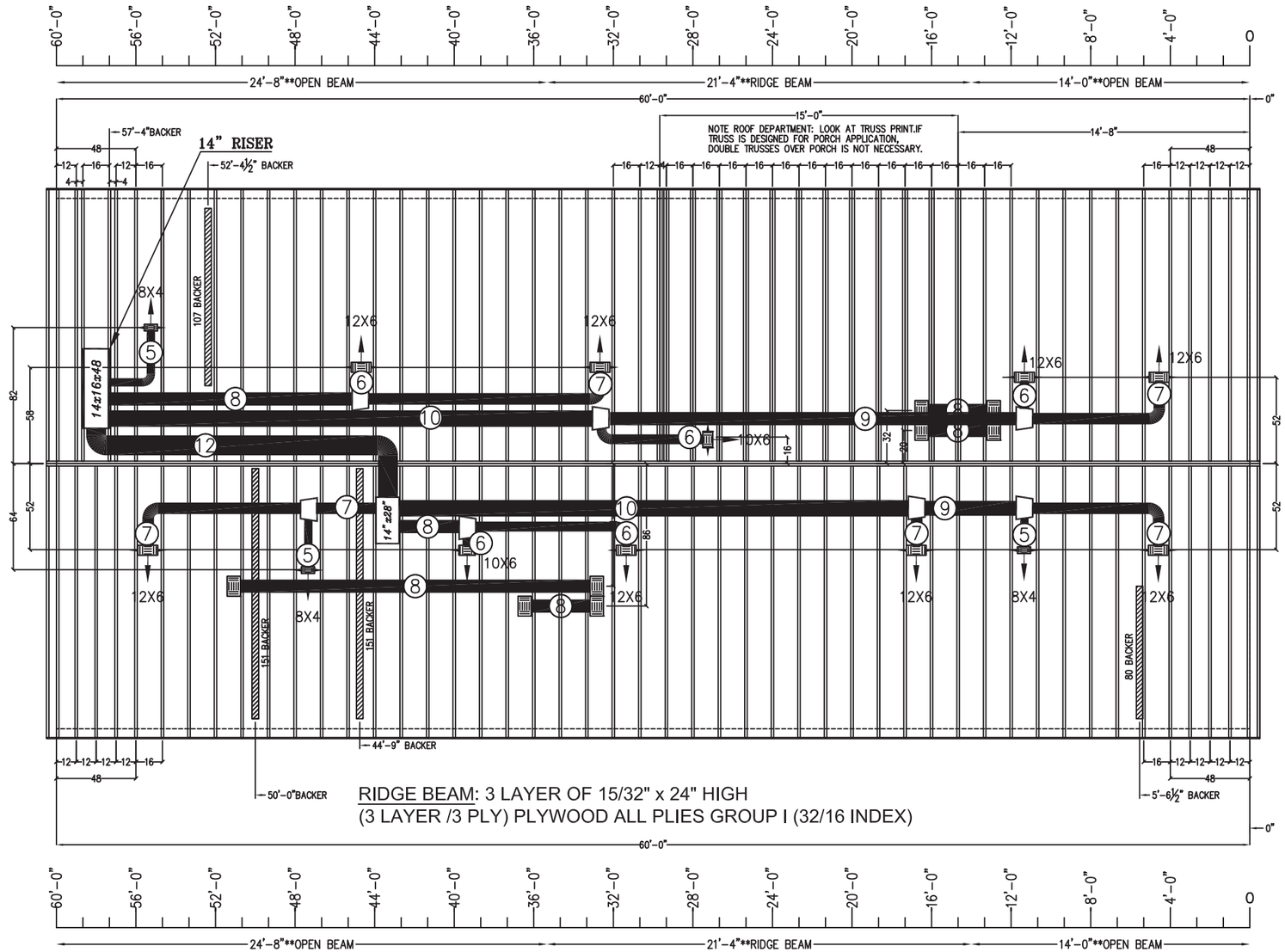
Lic. # 42712

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

Plant Number: 69

Palm Harbor Homes

(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 foamed to ceiling gypsum and need no additional securement.
5. All duct work installed outside the conditioned envelope shall have a minimum R-8 and be listed for use 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.
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: emailNumber=A01410C000001995867FE1F0013-7463, 2.5.4.97=NTRUS+FL-P160000228?1, 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 10:36:32 -04'00'

WILLIAM H. ROBERTS, P.E. #42712
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6790 NEW TAMPA HIGHWAY
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LAKELAND FL, 33815
OFFICE NO: (813) 752-7078

LICENSE
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No. 42712
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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Palm Harbor Homes

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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:
--

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

State:
LISTING AGENCY APPROVAL
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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: ROOF & DUCT PLAN 16
Sheet Number: S1.04
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.
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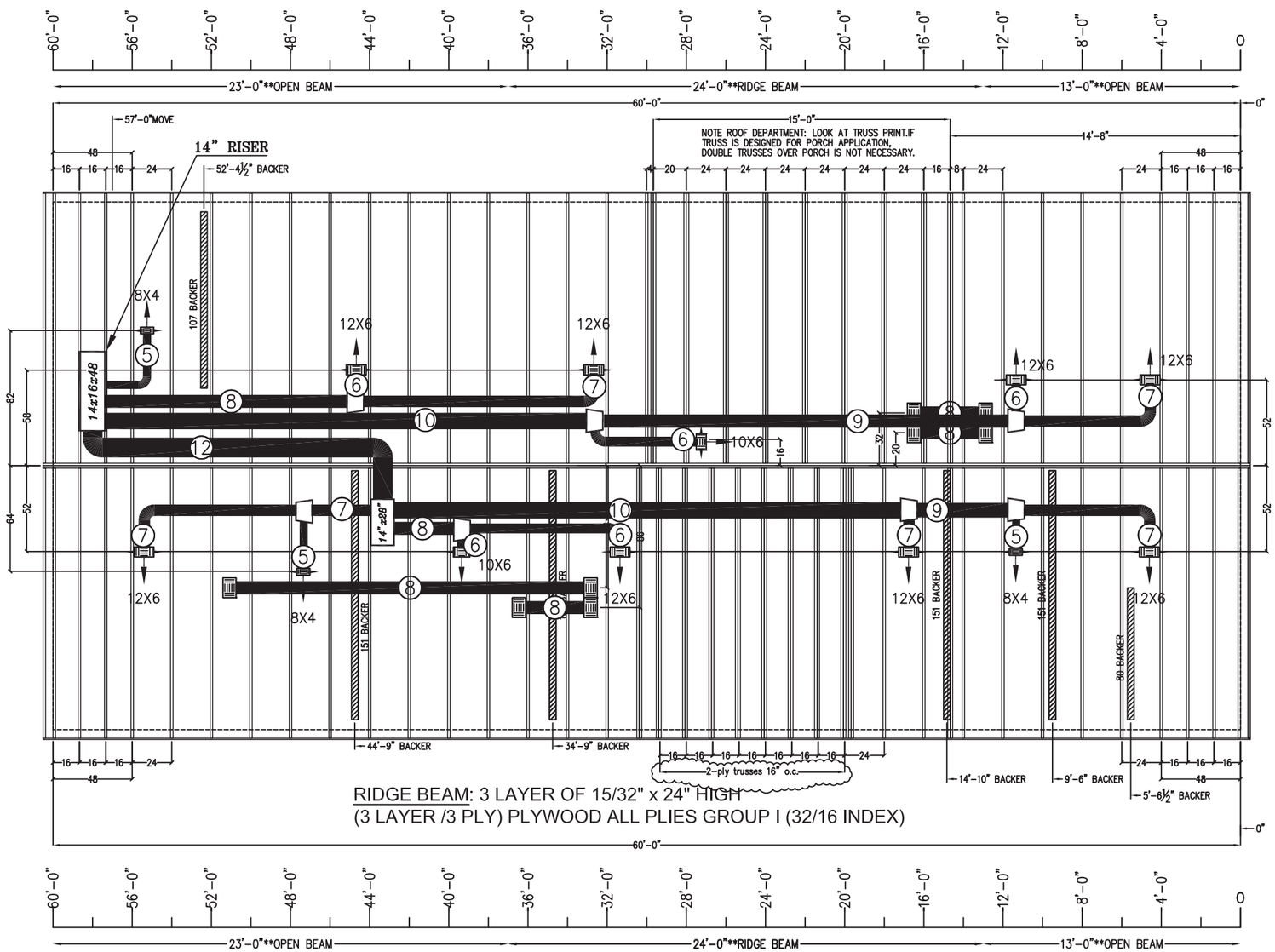

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d) Unless noted otherwise, all air transfer (jump ducts) shown are 12x8 registers connected to 8" duct.

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

William H Roberts

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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=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

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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

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:
--

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

State:
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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: ROOF & DUCT PLAN 24
Sheet Number: S1.04.1
Sheet NA of NA
Plan #: 2102-1797F

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

ACTIVE	CATEGORY	MANUFACTURER	IDPHH	PRODUCT DESCRIPTIONS	DP+	DP-	IMPACT	HVHZ	FPA
Active	Swinging Ext. Door	MID	0	SIX PANEL FIBERGLASS IS OR OS	65	70	No	No	15362.4-R4
Active	Swinging Ext. Door	Dunbarton	0	DOUBLE FRENCH 9 LITE OR BLINDE	50	50	No	No	15362.6-R4
Active	Swinging Ext. Door	Dunbarton	0	SINGLE/DOUBLE SIDE LITE OVAL, (OPAQUE +60/-65), AND RECTANGLE	50	55	No	No	15362.8-R4
Active	Windows - SH	Kinro	0	9750 SERIES NON-IMPACT	50	66	No	No	993.2
Active	Siding	StyleCrest	0	SPIEGLE GROVE ADDISON HEIGHTS D4	NA	125	No	No	12231.6 - R6
Active	Siding	Hardie	0	4' WIDE VERTICAL 5/16 PANELS	NA	78.7	Yes	Yes	13223.1-R7
Active	Siding	Hardie	0	6.25 EXP. X 12'	NA	78.4	Yes	Yes	13192.1-R7
Active	Sliding Glass door Ext	Shwinco	0	9700 SERIES IMPACT SGD	80	80	Yes	Yes	16520.2-R7
Active	Shingles	IKO	0	IKO MARATHON 25 SHINGLES	NA	NA	NA	Yes	30310-R5
Active	Shingles	GAF	0	GAF COBRA RIDGEVENT	NA	NA	NA	No	6267-R18
Active	Shingles	Owens Corning	0	3-tab asphalt supreme & classic	NA	NA	NA	No	10674-R19
Active	Siding	Plygem	0	TRUEWALL 4200 GB D4 SIDING 95.6 16 OC AND 68.7 24 OC	NA	95.6	No	No	35331.1-R1
Active	Metal Roofing	Advanced Aluminum	0	METAL ROOF	NA	125.3	NA	Yes	30315.1-R3
Active	Swinging Ext. Door	Jeldwen_Dyke	0	OUTSWING W/ADA OPTION	50	50	No	No	13541.2
Active	Windows	Shwinco	0	9000 SERIES IMPACT VINYL	-100	100	Yes	No	8153.2-R10

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

William H Roberts

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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=rroberts.egi@gmail.com, c=US
Date: 2026.05.11 10:37:22 -04'00'

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Palm Harbor Homes

Plant Number: 69

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Lic. # 42712

Plant Information
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Plant City, Florida 33566

Drawing Information
Model Number: 340EL28603AMO
Sales Name: ASHLEY
Series: ELITE
Drawn by: TH
Date: 04-20-26
Serial #: --

Dealer: --
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Customer:
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3rd Party
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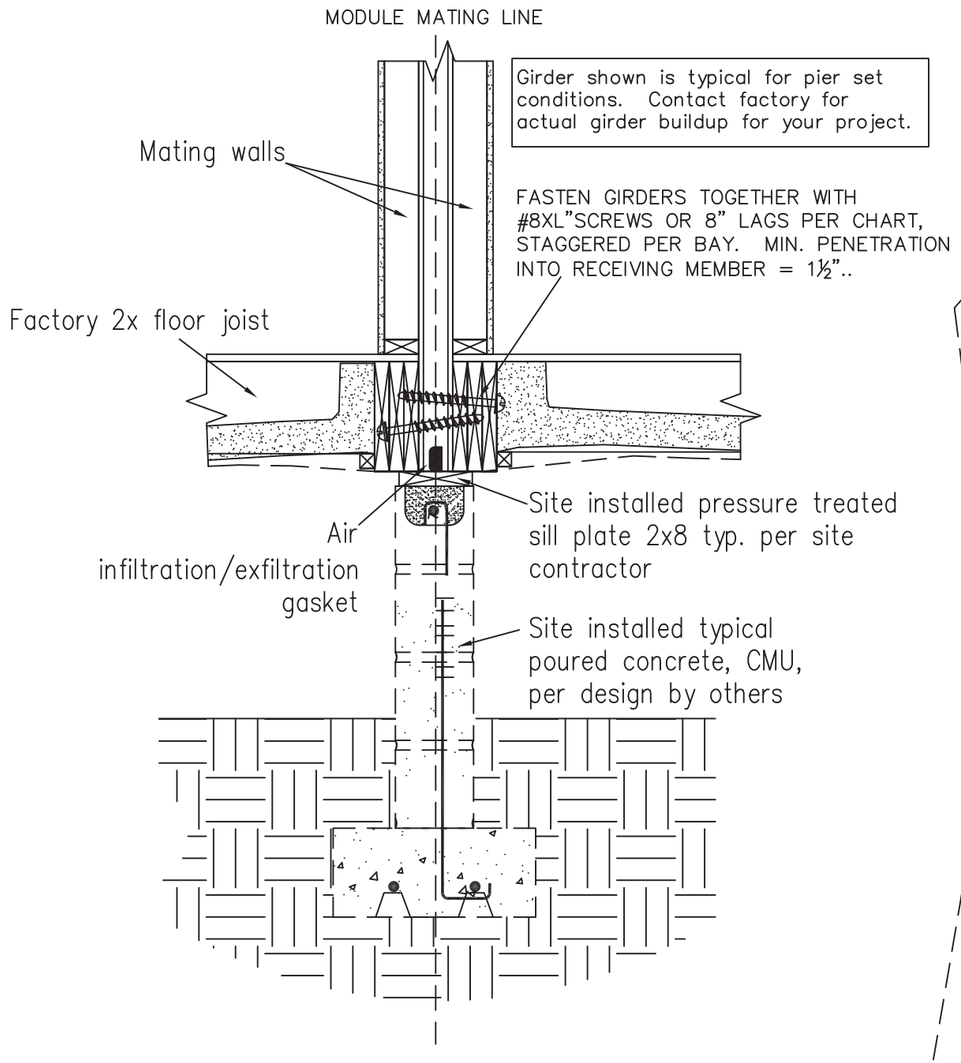
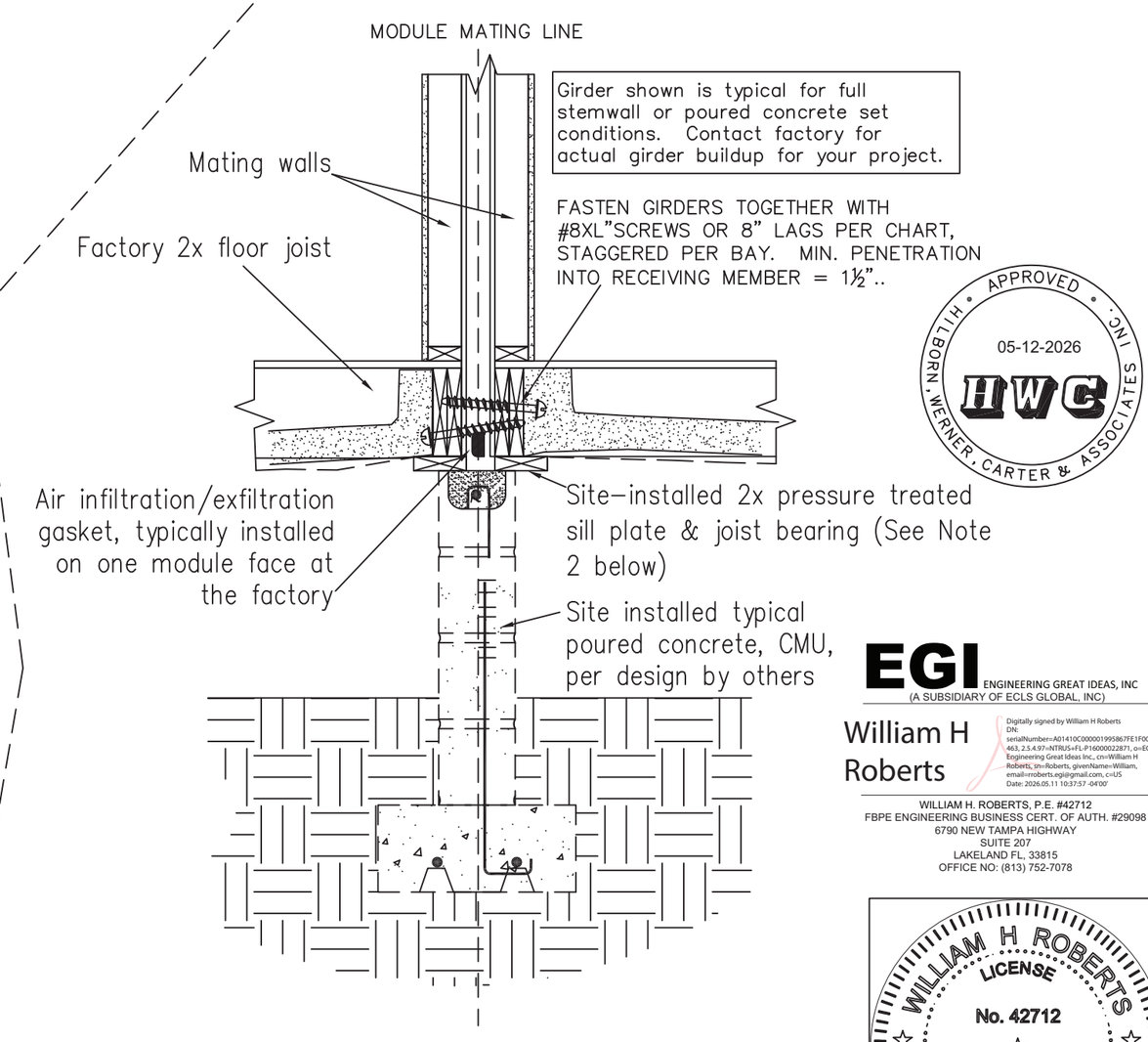
FIRE RATING OF EXT. WALLS	0
PLAN NO.	2102-1797F
ALLOW. FLOOR LOAD	40
APPROVAL DATE	05-12-26 --
MANUFACTURER	PHH
HIGH VELOCITY HURRICANE ZONE	NO

MUR 261 HWC

Sheet Title:
FLORIDA PRODUCT APPROVALS
Sheet Number: ----
Sheet NA of NA
Plan #: 2102-1797F





	Module Interconnection @ Floor Girders			
	#8 Screws inches O.C.		3/8" Lags inches O.C.	
MPH Vult Exp. D	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.

APPROVED · HILLBORN, WERNER, CARTER & ASSOCIATES, INC. · 05-12-2026 HWC

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=rroberts.egi@gmail.com, c=US
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6790 New Tampa Hwy.
Suite # 207
Lakeland, Florida 33815
Lic. # 42712

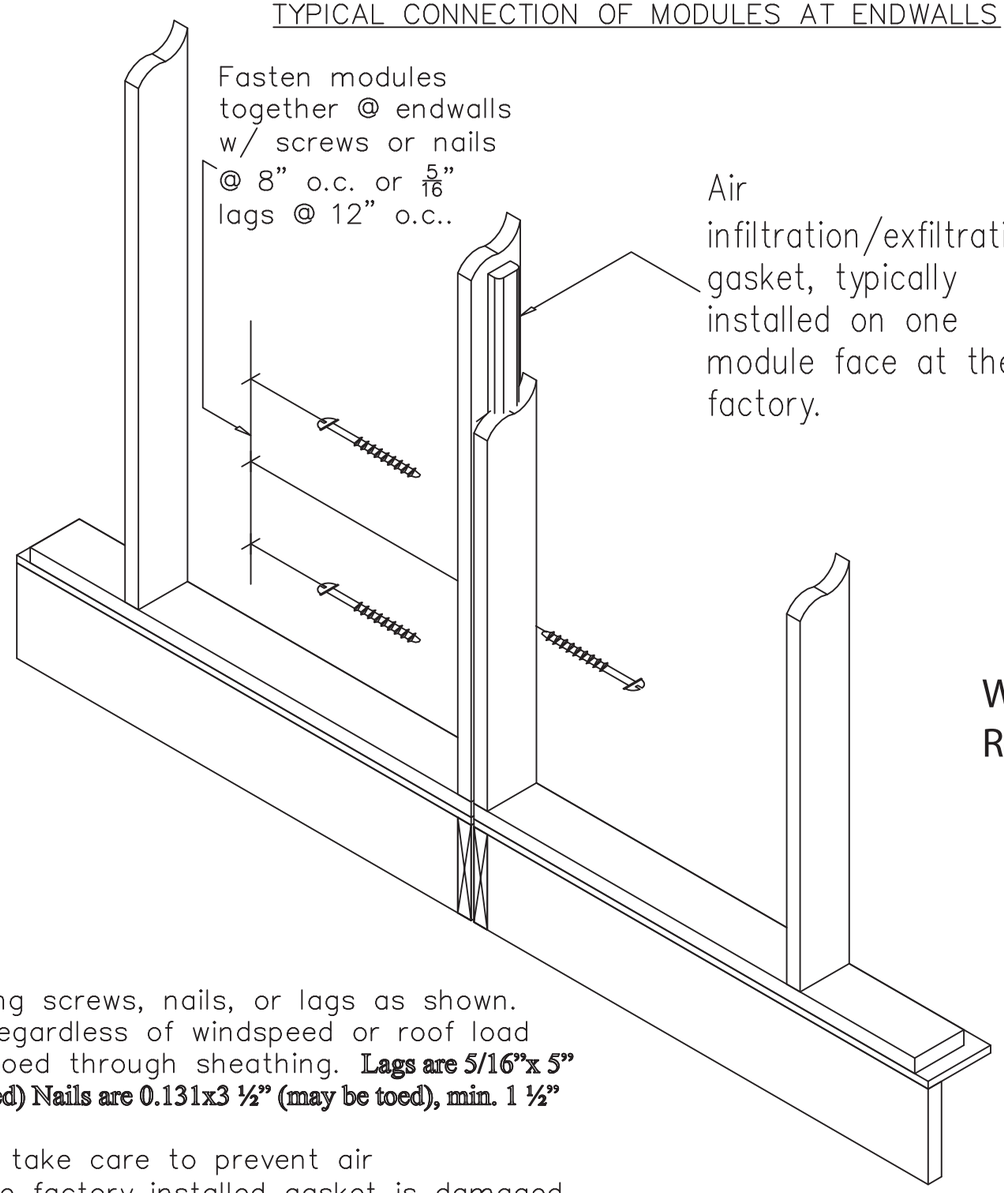
Plant Information
Palm Harbor Homes, Inc.
605 S. Frontage Road
Plant City, Florida 33566

Drawing Information
Model Number: 340EL28603AMO
Sales Name: ASHLEY
Series: ELITE
Drawn by: TH
Date: 4-20-26
Serial #: -

Dealer: --
--
Customer:
--

Sheet Title: IM-FLOOR
Sheet Number: IM.01
Sheet NA of NA
Plan #: 2102-1797F

TYPICAL CONNECTION OF MODULES AT ENDWALLS



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 ½" (may be toed), min. 1 ½" 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.

APPROVED · HILBORN, WERNER, CARTER & ASSOCIATES, INC. · 05-12-2026 HWC

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=rroberts.egi@gmail.com, c=US
Date: 2026.05.11 10:38:26 -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

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

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

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 #: --

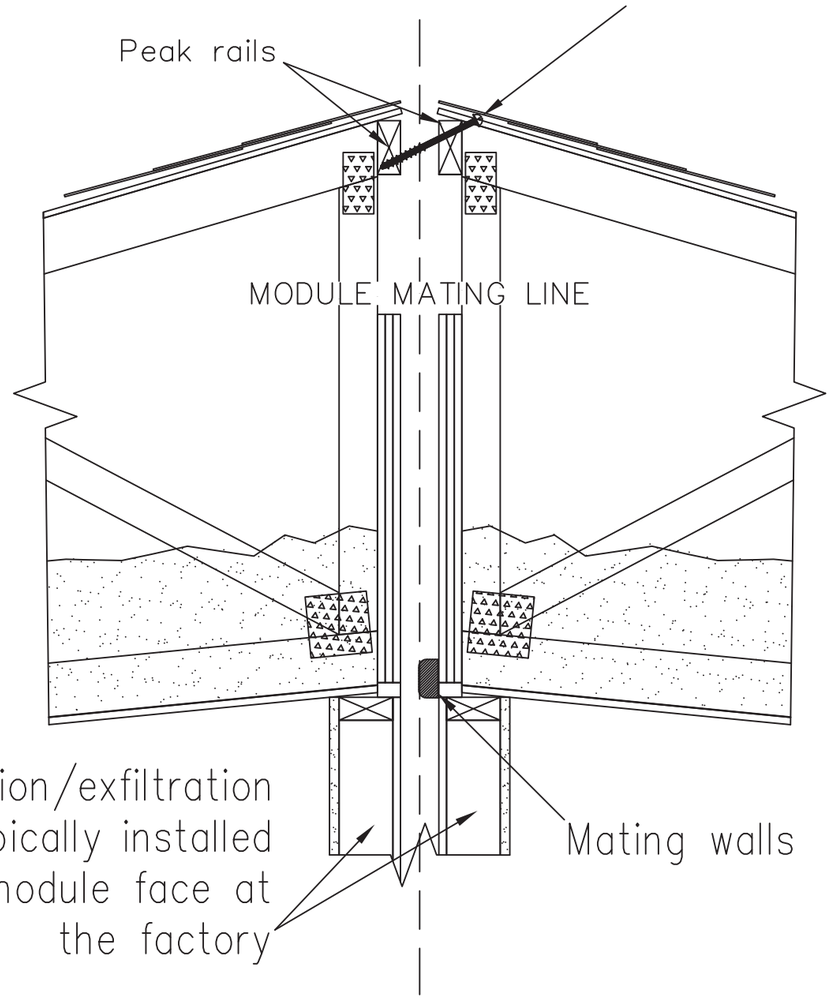
Dealer: --
--

Customer:
--

Sheet Title: IM-ENDWALL
Sheet Number: IM.02
Sheet NA of NA
Plan #: 2102-1797F

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.

APPROVED · HILLBORN, WERNER, CARTER & ASSOCIATES, INC. · 05-12-2026 HWC

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-P160000022871, 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 10:38:56 -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

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

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

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: 4-20-26
Serial #:

Dealer: --
--
Customer:
--

Sheet Title: IM-FIXED PEAK
Sheet Number: IM.03
Sheet NA of NA
Plan #: 2102-1797F

Job	Truss	Truss Type	Qty	Ply		
116640	M1275001	MONO TRUSS	1	1	Palm Harbor 407	PH723M

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

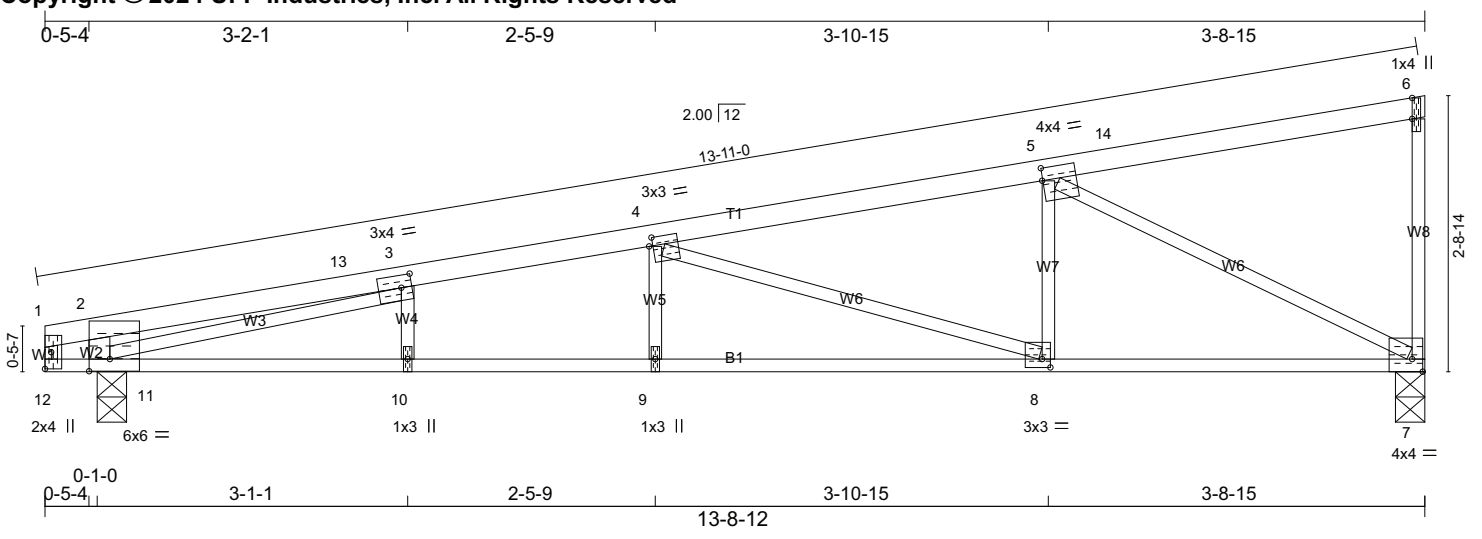


Plate Offsets (X,Y)-- [3:0-1-4,0-1-8], [4:0-0-7,0-1-0], [5:0-0-1,0-1-8], [6:0-2-8,0-0-0], [7:0-1-4,Edge], [8:0-1-0,0-1-0], [11:0-2-7,0-1-7]

SPACING-: 2-0-0	**SPACING-:** 1-4-0		**CSI.**	**DEFL.** in (loc) l/defl L/d	**PLATES** **GRIP**
LOADING (psf)	**LOADING** (psf)	Plate Grip DOL 1.25	TC 0.72	Vert(LL) 0.26 10 >601 240	MT20 244/190
TCLL 20.0	TCLL 30.0	Lumber DOL 1.25	BC 0.93	Vert(CT) 0.23 10 >683 180	
TCDL 9.0	TCDL 13.5	Rep Stress Incr YES	WB 0.63	Horz(CT) -0.06 7 n/a n/a	
BCLL 0.0 *	BCLL 0.0 *	Code FBC2023/TPI2014	Matrix-P		Weight: 35 lb
BCDL 6.0	BCDL 9.0				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- [MCT]
TOP CHORD Structural wood sheathing directly applied or 4-4-7 oc purlins, except end verticals. [PC]
BOT CHORD Rigid ceiling directly applied.

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 Uplift7=-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.

APPROVED · HILBORN, WERNER, CARTER & ASSOCIATES INC. ·
05-12-2026
HWC

KEVIN FREEMAN LICENSE No 56254 STATE OF FLORIDA PROFESSIONAL ENGINEER
5/1/2024

UFP Industries, Inc.
PHONE (616)-364-6161
2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

Job	Truss	Truss Type	Qty	Ply	
117010	M1275002	MONO TRUSS	1	2	Palm Harbor 407

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

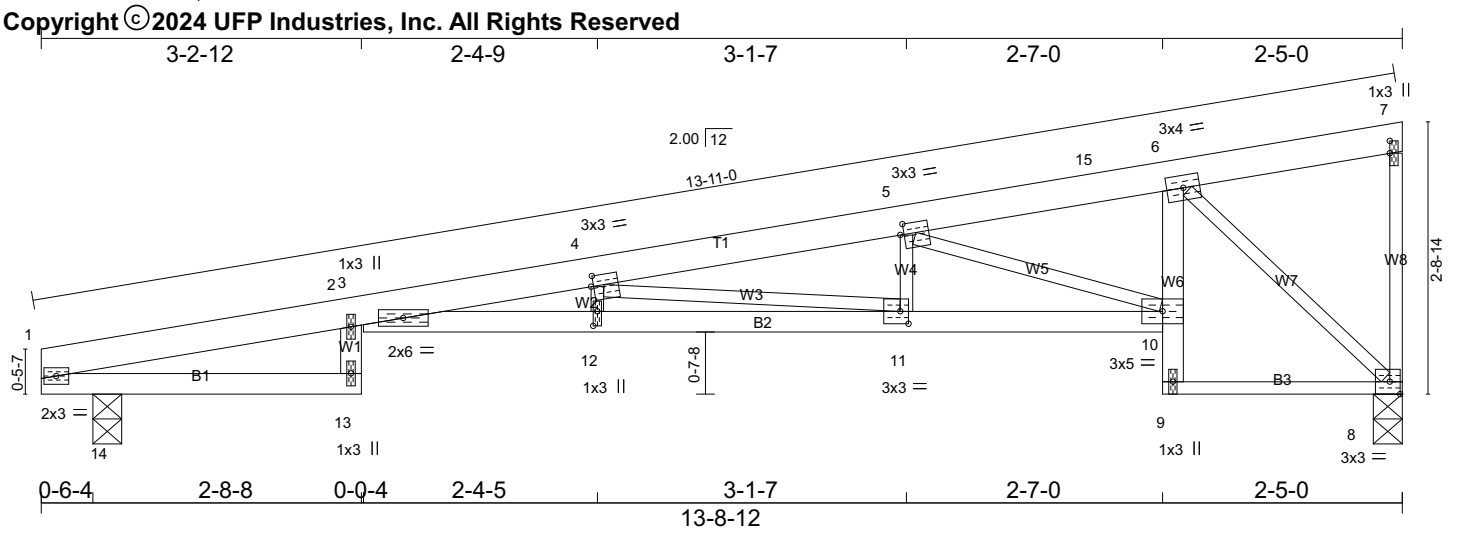


Plate Offsets (X,Y)-- [4:0-0-5,0-1-4], [5:0-0-7,0-1-4], [7:0-1-8,0-0-0], [8:0-1-4,Edge], [11:0-1-0,0-1-8], [12:0-1-12,0-0-8]

SPACING-: 2-0-0	**SPACING-:** 1-4-0		**CSI.**	**DEFL.** in (loc) l/defl L/d	**PLATES** **GRIP**
LOADING (psf)	**LOADING** (psf)	Plate Grip DOL 1.25	TC 0.58	Vert(LL) 0.63 3-12 >246 240	MT20 244/190
TCLL 20.0	TCLL 30.0	Lumber DOL 1.25	BC 0.79	Vert(CT) 0.55 3-12 >282 180	
TCDL 9.0	TCDL 13.5	Rep Stress Incr YES	WB 0.67	Horz(CT) -0.27 8 n/a n/a	
BCLL 0.0 *	BCLL 0.0 *	Code FBC2023/TPI2014	Matrix-P		Weight: 89 lb
BCDL 6.0	BCDL 9.0				FT = 0%

LUMBER-
TOP CHORD 2x4 SP DSS
BOT CHORD 2x3 SP No.2 *Except*
B3: 2x2 SP No.2
WEBS 2x2 SP No.2 *Except*
W1,W6: 2x3 SP No.2

BRACING- [MCT]
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. [PC]
BOT CHORD Rigid ceiling directly applied or 5-3-14 oc bracing.

REACTIONS. (lb/size) 8=452/0-3-8 (min. 0-1-8), 14=501/0-3-8 (min. 0-1-8)
Max Horz 14=218(LC 6)
Max Uplift8=-515(LC 10), 14=-555(LC 6)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-164/28, 2-3=-359/230, 3-4=-2488/3336, 4-5=-1484/1979, 5-15=-568/800, 6-15=-557/801, 6-7=-41/17, 7-8=-107/232
BOT CHORD 1-14=-104/316, 13-14=0/0, 8-9=-571/370, 3-12=-3567/2576, 11-12=-3561/2573, 10-11=-2103/1516
WEBS 6-8=-513/792, 4-12=-39/119, 5-11=-277/250, 4-11=-1074/1480, 2-13=-88/185, 9-10=-83/73, 6-10=-493/409, 5-10=-1020/1329

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x2 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x3 - 1 row at 0-9-0 oc, 2x2 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x2 - 1 row at 0-9-0 oc, 2x3 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) This truss has been checked for uniform roof live load only, except as noted.
4) 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 0-0-0 to 3-3-0, Zone1 3-3-0 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
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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 bc chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 515 lb uplift at joint 8 and 555 lb uplift at joint 14.
9) This design has been checked for Alpine Wave 20 gauge plates.
10) The ripped lumber specified above shall be re-graded by a certified lumber grader to the nearest smaller nominal sized lumber grading rules.
11) Based on M1275001 - tray version

APPROVED • HILBORN, WERNER, CARTER & ASSOCIATES, INC. •
05-12-2026
HWC

KEVIN FREEMAN LICENSE No 56254 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/6/2024

UFP Industries, Inc.
PHONE (616)-364-6161
2801 EAST BELTLINE RD, NE
GRAND RAPIDS, MI 49525

FORM R405-2023

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

APPROVED · HILBORN, WERNER, CARTER & ASSOCIATES, INC. · 05-12-2026 · HWC

Project Name:	340EL28603AMO AH R1A	Builder Name:	
Street:		Permit Office:	
City, State, Zip:	, FL,	Permit Number:	
Owner:		Jurisdiction:	
Design Location:	FL, Lee/Collier	County:	Collier(Florida Climate Zone 1)

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	Area	
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			
a. Electric		Cap: 30 gallons UEF: 0.920	
b. Conservation features		None	
17. Credits		Pstat	

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 Bussell

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.

GREAT SEAL OF THE STATE OF FLORIDA · IN GOD WE TRUST

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

Modular Building Plans Examiner

Florida License No. SMP-42

FORM R405-2023

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

APPROVED 05-12-2026 HWC TILLBORN, WERNER, CARTER & ASSOCIATES, INC.

Project Name:	340EL28603AMO AH R2A	Builder Name:	
Street:		Permit Office:	
City, State, Zip:	, FL,	Permit Number:	
Owner:		Jurisdiction:	
Design Location:	FL, Lakeland	County:	Polk(Florida Climate Zone 2)

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	Area
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	35.6	SEER2:14.30

15. Heating Systems	kBtu/hr	Efficiency
a. Electric Heat Pump	31.0	HSPF2:7.50

16. Hot Water Systems	
a. Electric	Cap: 30 gallons UEF: 0.920
b. Conservation features	None
17. Credits	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 Bussell

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.

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

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

Modular Building Plans Examiner
Florida License No. SMP-42