



ENGINEERING • INSPECTIONS  
CERTIFICATIONS • TESTING

January 8, 2026

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

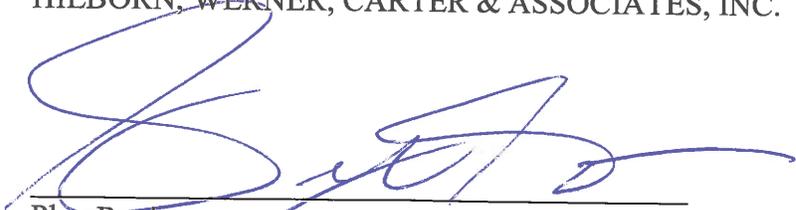
RE: Cavco Mfg. LLC/Cavco – Plant City  
S/N Size & Occ: 340EL40764AMO-1092686 Draper; 40'-0" X 76'-0"; SFD  
HWC Plan #: 2102-1783F

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.**  
1827 SOUTH MYRTLE AVENUE CLEARWATER, FLORIDA 33756  
(727) 584-8151  
FAX: (727) 586-3343 / (727) 585-2392 / (727) 587-0447  
Modular / Daple / Inspection

# 340EL40764AMO-1092686

# The DRAPER PERRAULT



ate 01-08-26 Plan No. 2102-1783F  
Approved By SCOTTY 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.



William H  
Roberts

Digitally signed by William H Roberts  
DN: serialNumber=A01410C00001995867FE1F001  
37463, 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: 2025.12.27 13:46:21 -05'00'

WILLIAM H. ROBERTS, P.E. #42712  
FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098  
1003 SOUTH ALEXANDER STREET, SUITE #5  
PLANT CITY, FLORIDA 33563  
OFFICE NO: (813)-752-7078

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Plant Number: 69  
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P.E. William H. "Rob" Roberts, P.E.  
1003 South Alexander Street  
Suite # 5  
Plant City, Florida 33563  
Lic. # 42712

Drawing Information  
Model Number: 340EL40764AMO-1092686  
Sales Name: DRAPER (CUSTOM)  
Series: ELITE  
Drawn by: TH  
Date: 12-04-25  
Serial #: --

Customer:  
PERRAULT  
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 150 U.L.T.(3 SEC)  
FIRE RATING OF EXT. WALLS 0  
PLAN NO. 2102-1783F  
ALLOW. FLOOR LOAD 40  
APPROVAL DATE 01-08-26  
MANUFACTURER PHH  
HIGH VELOCITY HURRICANE ZONE NO

MUR 261 **IWC**  
Sheet Title: TITLE SHEET ON  
Sheet Number: G0.01  
Sheet NA of NA  
Plan #: 2102-1783F

FLORIDA  
STRUCTURAL LOAD LIMITATIONS:

- FLOOR LIVE LOAD = 40 PSF
- ROOF LIVE LOAD = 20 PSF
- WIND LOAD: 150 mph (Ult) WIND SPEED (3 sec gusts) (Refer to floorplan)
- BUILDING IS RISK CATEGORY II.
- WIND EXPOSURE CATEGORY "D"
- GCPI = 0.18 INTERNAL PRESSURE COEFFICIENT (ENCLOSED)
- D.W.P. FOR C/C PSF
- THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.
- 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, pleted units (pleted 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, pleted 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
Zone 1	-69.6
Zone 2	-87.6
Zone 3	-103.39
Roof Overhang (EA=10)	
Zone 2	-70.2
Zone 3	-118.1
Pw= Wall C&C load, Wdws & Doors (EA=10)	
Zone 4	37.7
Zone 5	37.7
Zone 4	-40.8
Zone 5	-50.3
Porch - (EA=20, Main) (EA=10, Eave)	
Main Zone 1	-44.4
Zone 2	-66.6
Zone 3	-93.6
Eave Zone 1	
Zone 2	-87.2
Zone 3	-87.2

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**

- Designs per the Florida Building Code in effect at time of production.
- Reserved
- Reserved.
- Occupancy is Residential (SFD)
- Construction is type V-B.
- Occupant load is based upon one person for each 200 sq. ft. of floor area.
- Floor Live Load = 40 p.s.f.
- Roof Live Load = 20 p.s.f.
- Wind speed - See details in this approved package for specifics.
- All materials covered by the Florida Building Commission chapter 61 G20-3.006 rules shall have current Florida Product Approvals.
- 100% of all permanently installed lighting fixtures shall have high efficacy lamps
- Unless specifically noted on the approved plans and details, this building is **NOI** 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 Broward 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.

- Data plate, state label shall be located on the inside cover of or near the electrical panel.
- Raised seal prints are on file in the office of HWC, Inc.
- Plan review and inspection required by Chapter 633 F.S. to be handled by local fire inspector.
- This building is designed for a permanent foundation and is NOT intended to be moved once so installed.
- These plans may be mirrored or flipped about any axis without reapproval.

**Mechanical Notes - FBC 8th EDITION (2023) RESIDENTIAL**

- All supply air registers are adjustable, except where otherwise specified on the plans.
- Whole house ventilation will be applied based on FBC, R403.6 & M1507.3
- Restroom vent fans shall provide 50 cfm minimum of ventilation.
- Vent fans shall be ducted to the exterior of home.
- Reserved
- 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).
- 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 - FBC 8th EDITION (2023) RESIDENTIAL**

- All systems shall be constructed with the materials listed in FBC, Residential - Plumbing with materials listed in chapters 25 through 33.
- DWV systems may be ABS OR PVC piping.
- Tub access provided under home, unless otherwise noted.
- Building drain and clean-outs, when designed and site installed by others, are subject to local jurisdiction approval.
- Water heater shall have a safety pan with 3/4 inch minimum drain to the exterior.
- Water heater T & P relief valve to drain to exterior.
- 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.
- All plumbing fixtures to have separate shutoff valves.
- Shutoff valve to be installed within three feet of the fresh water inlet to the home (site installed, by others).
- 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.
- Water supply lines shall be PEX, CPVC or copper.
- ALL supply 'crossover' piping to be connected on-site by others.
- Shower stalls shall be covered with a nonabsorbent material to a height of 70 inches above finished floor (may be on-site).
- Showers shall be controlled by an approved mixing valve with a maximum outlet temperature of 120° F (49° C).
- 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.
- Water hammer arrestors are required when flow velocity will cause water hammer.
- 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)

- The complete foundation and tie-down systems.
- Ramps, stairs and general access to the building.
- Building drains, clean-outs and hookup to the plumbing system.
- Any portable fire extinguisher(s) that may be required.
- Electrical service hookup (including feeders) to the building.
- The main electrical panel and sub-feeders (multi-section units).
- Structural and aesthetic interconnections between modules (multi-section units).
- Exterior siding and/or roofing may be installed in the factory or left off to be installed on-site, by others.
- Exterior wall finish and soffit materials.
- Window protection, storm shutters.
- Bottom of floor wind protection (when required).
- Crossover duct and connections (HVAC) if multi section only.
- HVAC disconnect.
- Fireplace chimney.
- Gable wall framing, chimney.
- HVAC equipment.
- Combustion Gas Venting, Combustion Air Intake.
- A.A.V. ( Air Admittance Valves)
- Optional elevator is designed and installed on site by others.
- 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.
- Outdoor Emergency Disconnect and Disconnect Markings
- Surge Protection Devices (SPD)
- 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:

- For floor mating line structural interconnections see attached page: IM.01
- For endwall mating line structural interconnections see attached page: IM.02
- For roof fixed truss mating line structural interconnections see attached page: IM.03
- 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:  
2020 N.E.C.

MECHANICAL:  
FBC 8th EDITION (2023)  
RESIDENTIAL

FUEL:  
FBC 8th EDITION (2023)  
RESIDENTIAL

PLUMBING:  
FBC 8th EDITION (2023)  
RESIDENTIAL

ACCESSIBILITY:  
FBC 8th EDITION (2023)  
ACCESSIBILITY

ENERGY:  
FBC 8th EDITION (2023)  
RESIDENTIAL



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.

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

Florida product approvals are on file with third party.

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**EGI**  
ENGINEERING BUSINESS CERT. OF AUTH. #250906  
WILLIAM H. ROBERTS  
1003 SOUTH ALEXANDER STREET, SUITE #5  
PLANT CITY, FLORIDA 33563  
OFFICE P.O. #5131-953-1078



Plant Number: **69**

P.E.: William H. "Rob" Roberts, P.E.  
1003 South Alexander Street  
Suite # 5  
Plant City, Florida 33563  
Lic. # 42712

Drawing Information  
Model Number: 340EL40764AMO-1092086  
Sales Name: DRAPER (CUSTOM)  
Series: ELITE  
Date: 12-04-25  
TH  
Serial #: ---

Dealer: --

Customer: PERRAULT  
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	150 ULT (3 SEC)
FIRE RATING OF EXT. WALLS	0
PLAN NO.	2102-1783F
ALLOW. FLOOR LOAD	40
APPROVAL DATE	01-08-26
MANUFACTURER	PHH
HIGH VELOCITY HURRICANE ZONE	NO

MUR 261 **IWC**

Sheet Title: **CODE SHEET ON**  
Sheet Number: **A0.01**  
Sheet: **NA** of **NA**  
Plan #: **2102-1783F**

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General Notes:

- 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).
- 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.
- Minimum corridor width is 36".
- 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.
- 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.
- 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.
- Exterior walls are no more than 9'-0" max unless otherwise noted.
- 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".
- When designing your own foundation, add 1" to overall width shown on floor plan per module to accommodate growth from sheathing and strapping.
- Sidewalls are 4" or 6" up to 150 mph (Ult). Sidewalls are 6" for winds above 150 mph (Ult).
- 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.
- 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.
- For truss tie-down and attachment to top plate of exterior wall, see approved Modular Manual G-180 3.3 & 3.3.1

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

SQUARE FOOTAGE BREAKDOWN FOR PROJECT		
DESCRIPTION	AREA (Sq. Ft.)	PERIMETER (Ft.)
PORCH SQUARE FEET	36.60 SF	27.8
PORCH SQUARE FEET	154.00 SF	54.5
PORCH SQUARE FEET	80.00 SF	38.7
SQUARE FEET A.C.	2795.36 SF	262.1
	3065.96 SF	383

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

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.

**EGI** ENGINEERING GREAT IDEAS, INC.  
Digitally signed by William H Roberts  
DN: serialNumber=A01410C00001995867FE1F00  
137462, 2.5.4.97=467825-F1-P16000022871,  
o=EGI-Engineering Great Ideas Inc.,  
cn=William H Roberts, ou=Roberts,  
email=roberts.egi@gmail.com, c=US  
Date: 2025.12.27 13:48:26 -0500

**William H Roberts**  
WILLIAM H. ROBERTS, P.E. #42712  
FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098  
1003 SOUTH ALEXANDER STREET, SUITE #5  
PLANT CITY, FLORIDA 33563  
OFFICE NO: (813)-752-7078



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Plant Number: **69**  
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1003 South Alexander Street  
Suite # 5  
Plant City, Florida 33563  
Lic. # 42712  
Plant Information  
Palm Harbor Homes, Inc.  
605 S. Frontage Road  
Plant City, Florida 33566

Drawing Information  
Model Number: 340EL40764AMC-1092686  
Sales Name: DRAPER (CUSTOM)  
Series: ELITE  
Drawn by: TH  
Date: 12-04-25  
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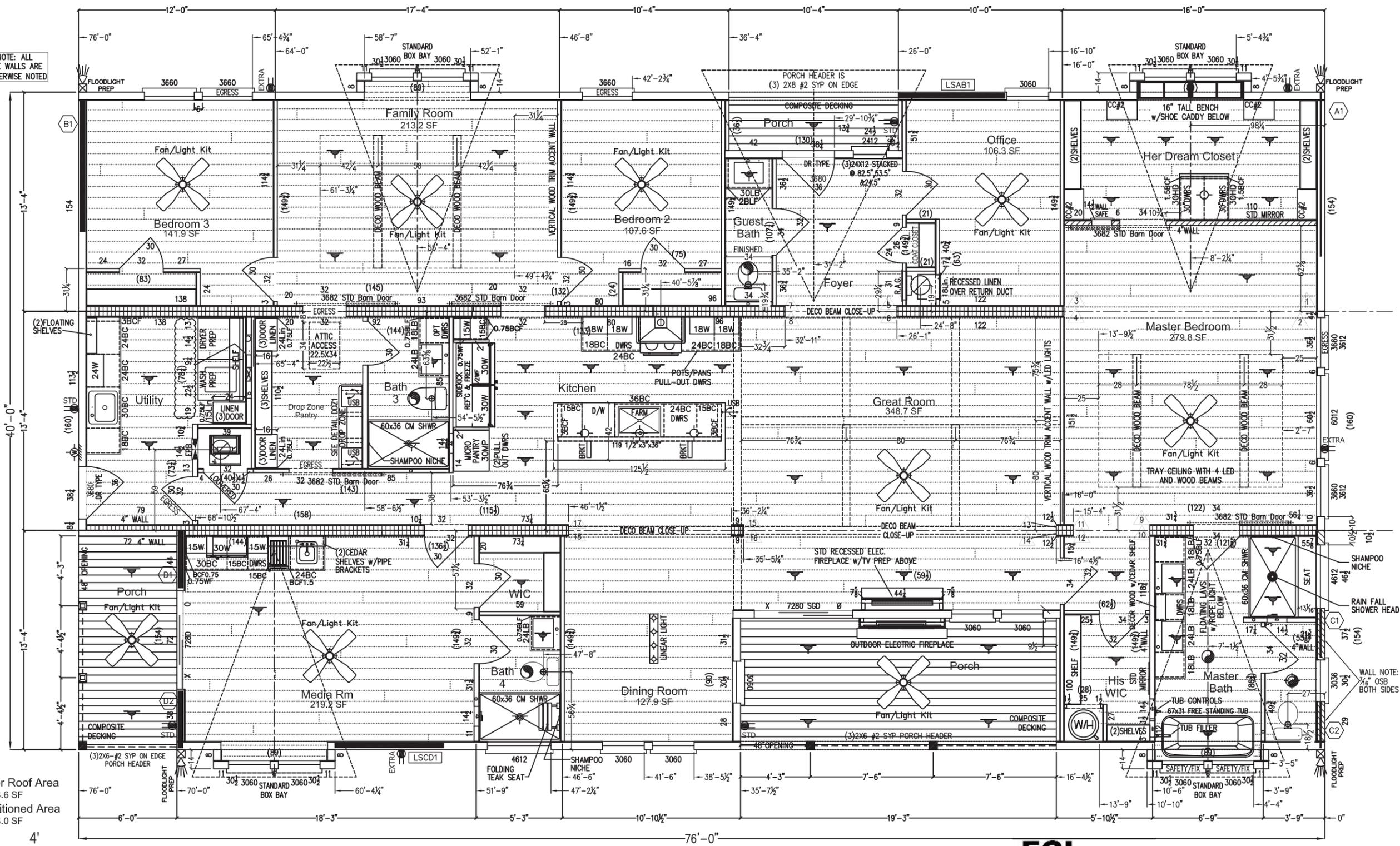
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Customer: PERRAULT  
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1627 South Myrtle Ave  
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State:  
LISTING AGENCY APPROVAL  
These plans comply with the Florida  
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Construction Code and adhere to the  
following criteria:  
CONST. TYPE VB  
OCCUPANCY SFD  
ALLOWABLE NO. OF FLOORS 1  
WIND VELOCITY 150 ULT(3 SEC)  
FIRE RATING OF EXT. WALLS 0  
PLAN NO. 2102-1783F  
ALLOW. FLOOR LOAD 40  
APPROVAL DATE 01-08-26  
MANUFACTURER PHH  
HIGH VELOCITY HURRICANE ZONE NO

MUR 261 **IWC**  
Sheet Title: CONSTRUCTION NOTES  
Sheet Number: A0.02 of NA  
Sheet NA of NA  
Plan #: 2102-1783F

ID #1180717893  
CUSTOM DRAPER ON FRAME-Showcase-Perrault  
12-12-25 TH

WALL DPT NOTE: ALL MARRIAGE LINE WALLS ARE 4" UNLESS OTHERWISE NOTED



Total Under Roof Area  
3074.6 SF  
Total Conditioned Area  
2804.0 SF



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.

\*\* OVERHANGS  
16" FRONT AND REAR  
6" SIDES

**EGI**  
William H Roberts  
Digitally signed by William H Roberts  
serialNumber=A01410C000001995867FE1F0137  
663.254.97-NTRUS-FL-916000028701, o=EGI-  
Engineering Great Ideas Inc, cn=William H.  
Roberts, sn=Roberts, givenName=William,  
email=williamh@egimail.com, c=US  
Date: 2025.12.27 13:49:29 -0500

Plant Number: **69**

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---

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1003 South Alexander Street  
Suite # 5  
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Lic. # 42712

Plant Information

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Drawing Information

Model Number: 340EL40764AMO-1092086

Sales Name: DRAPER (CUSTOM)

Series: ELITE

Drawn by: TH

Date: 12-04-25

Serial #: ---

Dealer: ---

Customer: PERRAULT  
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MUR 261 **IWG**

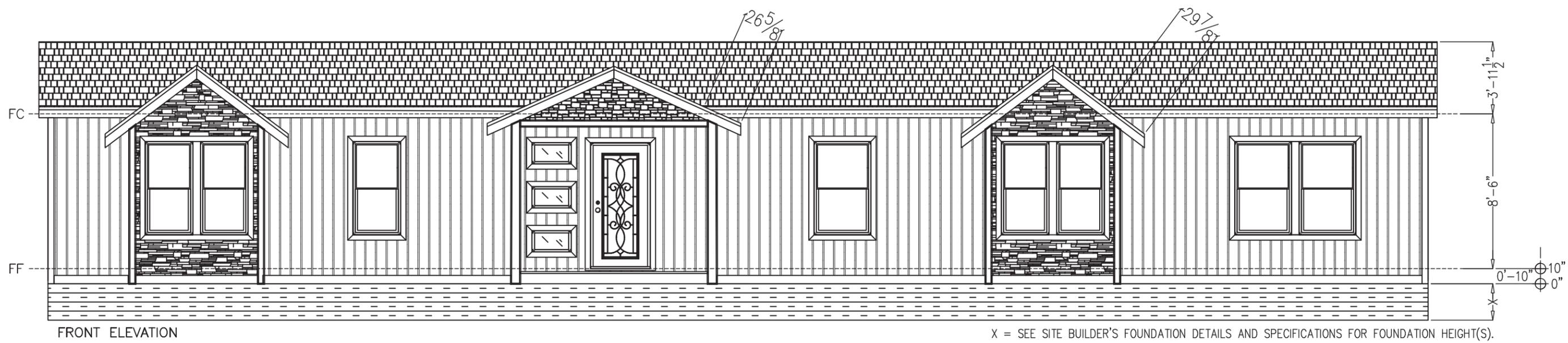
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Sheet Title:  
**FLOORPLAN**

Sheet Number:  
**A1.01**

Sheet:  
NA of NA

Plan #:  
**2102-1783F**



FRONT ELEVATION

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



REAR ELEVATION

(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  $\frac{1}{50}$  OR  $\frac{1}{300}$ , see Florida Energy Calculations.
2. Roof overhang (eave) sizes may vary. Roof overhangs are typically a nominal 12" eave or 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 cementitious and either vertical or horizontal per manufacture's instructions.
6. Steps and handrails are installed onsite by others or 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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FF = FINISHED FLOOR  
FC = FINISHED CEILING  
UC = UNIT INTERCONNECTION



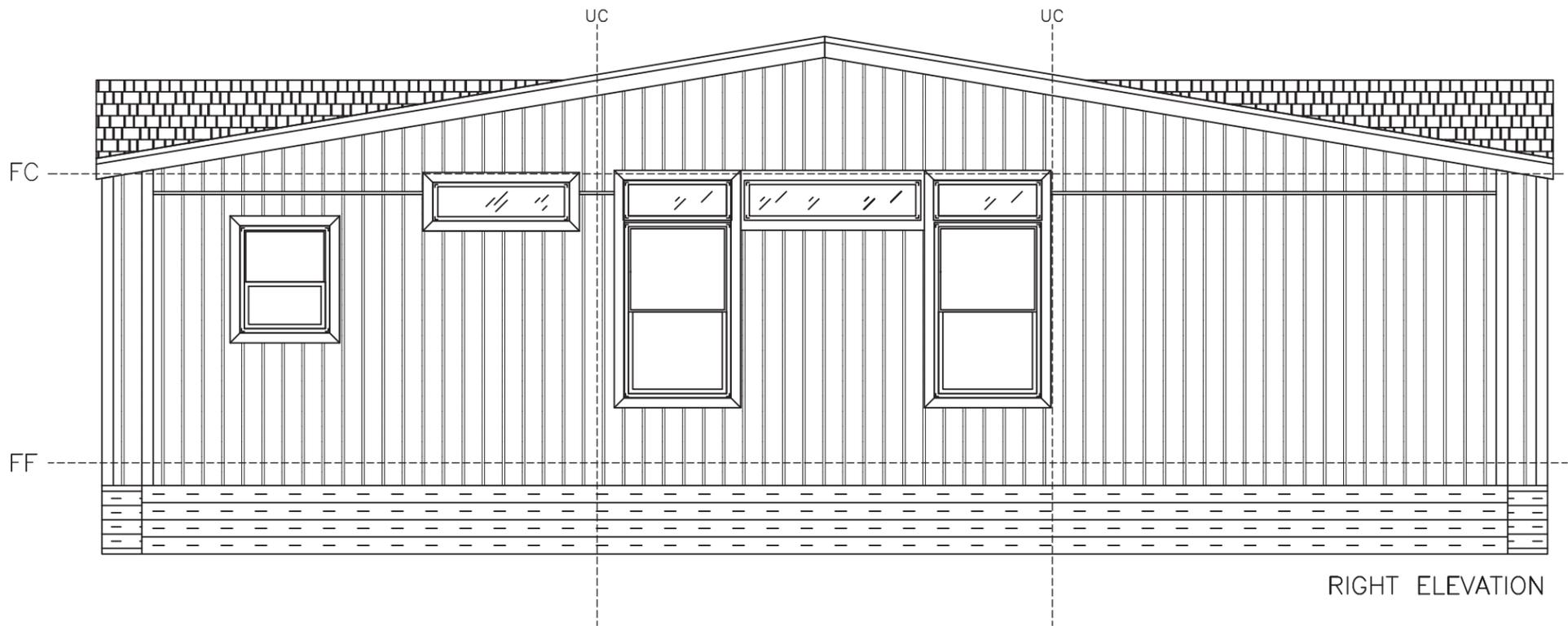
**EGI**  
William H Roberts  
Digitally signed by William H Roberts  
DN: serialNumber=A01410C000019558E7E1F00137  
463.254.97-NTRUS+FL-P16000022871, o=EGI  
Engineering Great Ideas Inc., cn=William H  
Roberts, gn=Roberts, givenName=William  
email=roberts.egi@gmail.com, c=US  
Date: 2025.12.27 13:50:49 -05'00'  
P.E. # 42712  
P.E. ENGINEERING CONSULTANTS, SUITE #5  
1200 SOUTH ALEXANDER STREET, SUITE #5  
PLANT CITY, FL 33563  
OFFICE: 813-971-1111

		Plant Number: <b>69</b> © Copyright 2025 Palm Harbor Homes, Inc. All Rights Reserved
P.E.: William H. "Rob" Roberts, P.E. 1003 South Alexander Street Suite # 5 Plant City, Florida 33563 Lic. # 42712		Plant Information Palm Harbor Homes, Inc. 605 S. Frontage Road Plant City, Florida 33566
Drawing Information Model Number: 340EL40764AMO-1092686 Sales Name: DRAPER (CUSTOM) Series: ELITE	Dealer: -- Customer: PERRAULT 3rd Party Hilborn, Werner, Carter and Associates(HWC) 1627 South Myrtle Ave Clearwater, FL. 33756	Date: TH 12-04-25 Serial #: --
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 150 U/LT(3 SEC) FIRE RATING OF EXT. WALLS 0 PLAN NO. 2102-1783F ALLOW. FLOOR LOAD 40 APPROVAL DATE 01-08-26 MANUFACTURER PHH HIGH VELOCITY HURRICANE ZONE NO		
Sheet Title: <b>FRONT &amp; REAR ELEVATIONS</b>	Sheet Number <b>A2.01</b>	Sheet NA of NA Plan #: <b>2102-1783F</b>

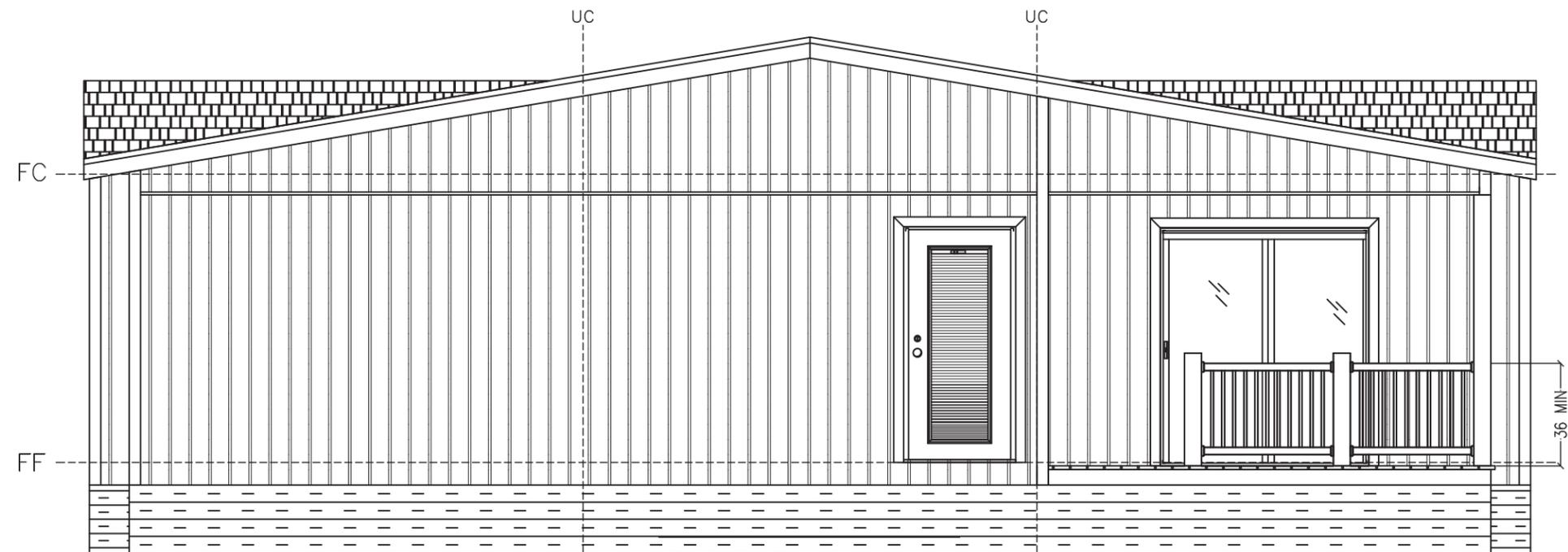
(DYN) Exterior Elevation Notes:

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 12" eave or 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.
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 UC = UNIT INTERCONNECTION



RIGHT ELEVATION



LEFT ELEVATION



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 Digitally signed by William H Roberts  
 DN:  
 serialNumber=A01410C00001995867FE  
 1F00137463, 2.5.4.97=NTRUS+FL-  
 P16000022871, o=EGI- Engineering Great  
 Ideas Inc., cn=William H Roberts,  
 sn=Roberts, givenName=William,  
 email=roberts.egig@gmail.com, c=US  
 Date: 2025.12.27 13:52:01 -05'00'

WILLIAM H. ROBERTS, P.E. #42712  
 FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29090  
 1003 SOUTH ALEXANDER STREET, SUITE #5  
 PLANT CITY, FLORIDA 33563  
 OFFICE NO: (813)-752-7078



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: 340EL40764AMO-1092086  
 Sales Name: DRAPER (CUSTOM)  
 Series: ELITE  
 Drawn by: TH  
 Date: 12-04-25  
 Serial #: ---

Dealer: --

Customer:  
 PERRAULT  
 3rd Party

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

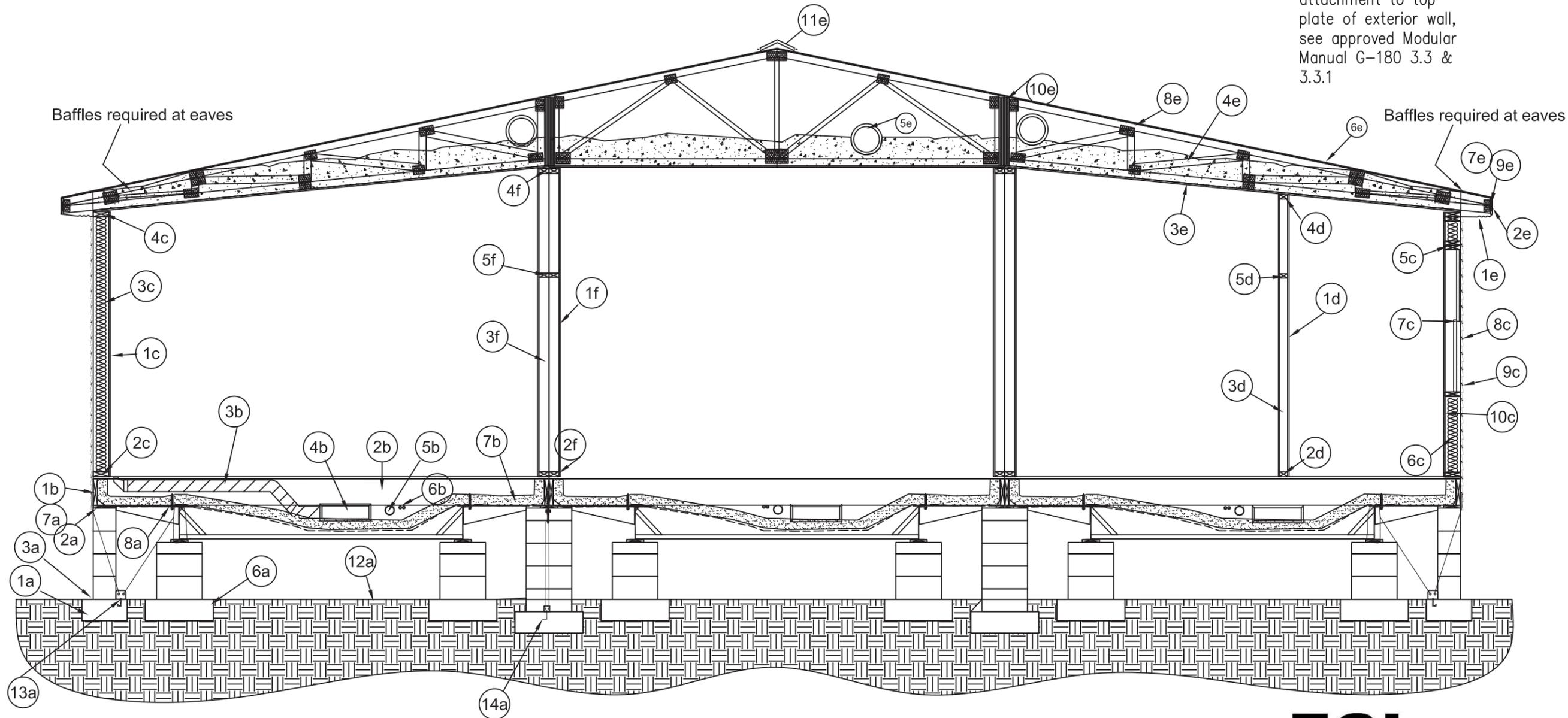
State:

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 150 ULT (3 SEC)	
FIRE RATING OF EXT. WALLS	0
PLAN NO.	2102-1783F
ALLOW. FLOOR LOAD	40
APPROVAL DATE	01-08-26
MANUFACTURER	PHH
HIGH VELOCITY HURRICANE ZONE	NO

MUR 261 **IWG**

Sheet Title: <b>RIGHT &amp; LEFT ELEVATIONS</b>	Sheet Number: <b>A2.02</b>	Sheet of: <b>NA</b>	Plan #: <b>2102-1783F</b>
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ALL FOUNDATION SPECIFICATIONS ARE TYPICAL AND DESIGNED AND CONSTRUCTED ON SITE BY OTHERS



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For truss tiedown and attachment to top plate of exterior wall, see approved Modular Manual G-180 3.3 & 3.3.1

**EGI** ENGINEERING GREAT IDEAS, 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: 2025.12.27 13:53:13 -05'00'  
 WILLIAM H. ROBERTS, P.E. #42712  
 FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098  
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 Plant Number: **69**  
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 PLAN NO. 2102-1783F  
 ALLOW. FLOOR LOAD 40  
 APPROVAL DATE 01-08-26  
 MANUFACTURER PHH  
 HIGH VELOCITY HURRICANE ZONE NO

MUR 261 **IWC**

Sheet Title: ON FRAME CROSS SECTION  
 Sheet Number: A3.01  
 Sheet NA of NA  
 Plan #: 2102-1783F

## TRIPLE WIDE CROSS-SECTION NOTES

**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.  
 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

Note: Refer to truss design for truss tie down location and instructions

**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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William H Roberts

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 Digitally signed by William H Roberts  
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 FE1F00137463, 2.5.4.97=NTRUS+FL-  
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 Great Ideas Inc., cn=William H Roberts,  
 sn=Roberts, givenName=William,  
 email=rroberts.egi@gmail.com, c=US  
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 PLANT CITY, FLORIDA 33563  
 OFFICE NO: (813)-752-7078

(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 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 receipts 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 receipts are required at every balcony, deck, and porch regardless of where it is on the building. The receipt 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 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-WAY SWITCH		EXHAUST-CEIL'G FAN		UNDER CABINET LIGHT
	SMALL APPLIANCE		WALL MOUNTED FIXTURE		PHONE		CABLE PREP		HEAT TAPE RECEIPT		USB CHARGING STATION / 120 V Outlet
	GFI PROTECTED		CEILING MOUNTED FIXTURE		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		SURFACE LIGHT RATED FOR WET AREA		THERMOSTAT		WHOLE HOUSE FAN		
	CARBON MONOXIDE / SMOKE DETECTOR		LED LIGHT CEILING MOUNTED FIXTURE		DOOR CHIME BOX (WIRELESS)		24" SURFACE FLOURESCENT		FLOOD LIGHT PREP		
	GENERAL COMMUNICATIONS BOX		FACTORY WIRED CABLE, PHONE, NETWORK, 15/20 AMP RECEPTACLE.								

NEC - 2020

MAIN BREAKER  
200 AMP

- Notes:
- (G/A) = GFI AND ARC FAULT
  - (AF)= Arc Fault
  - (G)= GFCI
  - (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*)	*	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*
20	12-2*	OPT MICROWAVE	29(AF/GF*)	*				

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
<b>GENERAL LOADS</b>	
TOTAL UNIT A.C. SQUARE FEET	2,795
NO. OF 20-AMP APPLIANCE OUTLET CIRCUITS	4
LAUNDRY CIRCUIT	1
SUBTOTAL	15,885
<b>NAME PLATE RATINGS</b>	
RANGE	1
WATER HEATER	1
DISH WASHER	1
CLOTHES DRYER	1
GARBAGE DISPOSAL	1
COOK TOP	0
WALL OVEN	0
MICROWAVE	2
OPT FREEZER	0
JACUZZI	0
ELEVATOR	0
SEISCO SUPERCHARGER SC90	0
WARMING DRAWER KOWT100ESS	0
SUBTOTAL	24,400
TOTAL GENERAL & NAME PLATE	40,285
FIRST 10 KVA AT 100%	10,000
RAMAINDER AT 40%	12,114
WORST CASE HVAC AT 100% (ASSUMED)	1
TOTAL PANEL BOX LOAD	37,914
MINIMUM PANEL BOX AMPERAGESIZE	37,914 /240 = 158
SIZE AMP PANEL BOX INSTALLED	120/240 V, 1ø
MIN. NO. OF GENERAL LIGHTING CIRCUITS	5



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**EGI**  
ENGINEERING GREAT IDEAS, INC.  
William H Roberts  
Digitally signed by William H Roberts  
DN: cn=William H Roberts, o=EGI Engineering Great Ideas, Inc., email=william@egiconsulting.com, c=US  
Date: 2025.12.27 13:55:46 -05'00'

Plant Number: **69**

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TH  
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Customer:  
PERRAULT  
3rd Party

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1627 South Myrtle Ave  
Clearwater, FL. 33756

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Listing Agency Approval  
These plans comply with the Florida Manufactured Building Act of 1975 Construction Code and adhere to the following criteria:

CONST. TYPE: VB  
OCCUPANCY: SFD  
ALLOWABLE NO. OF FLOORS: 1  
WIND VELOCITY: 150 ULT(3 SEC)  
FIRE RATING OF EXT. WALLS: 0  
PLAN NO.: 2102-1783F  
ALLOW. FLOOR LOAD: 40  
APPROVAL DATE: 01-09-26  
MANUFACTURER: PHH  
HIGH VELOCITY HURRICANE ZONE: NO

MUR 261 **IWC**

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Sheet Title:  
**ELECTRICAL NOTES**

Sheet Number: **E0.01**  
Sheet: NA of NA  
Plan #: **2102-1783F**



Plant Number: **69**

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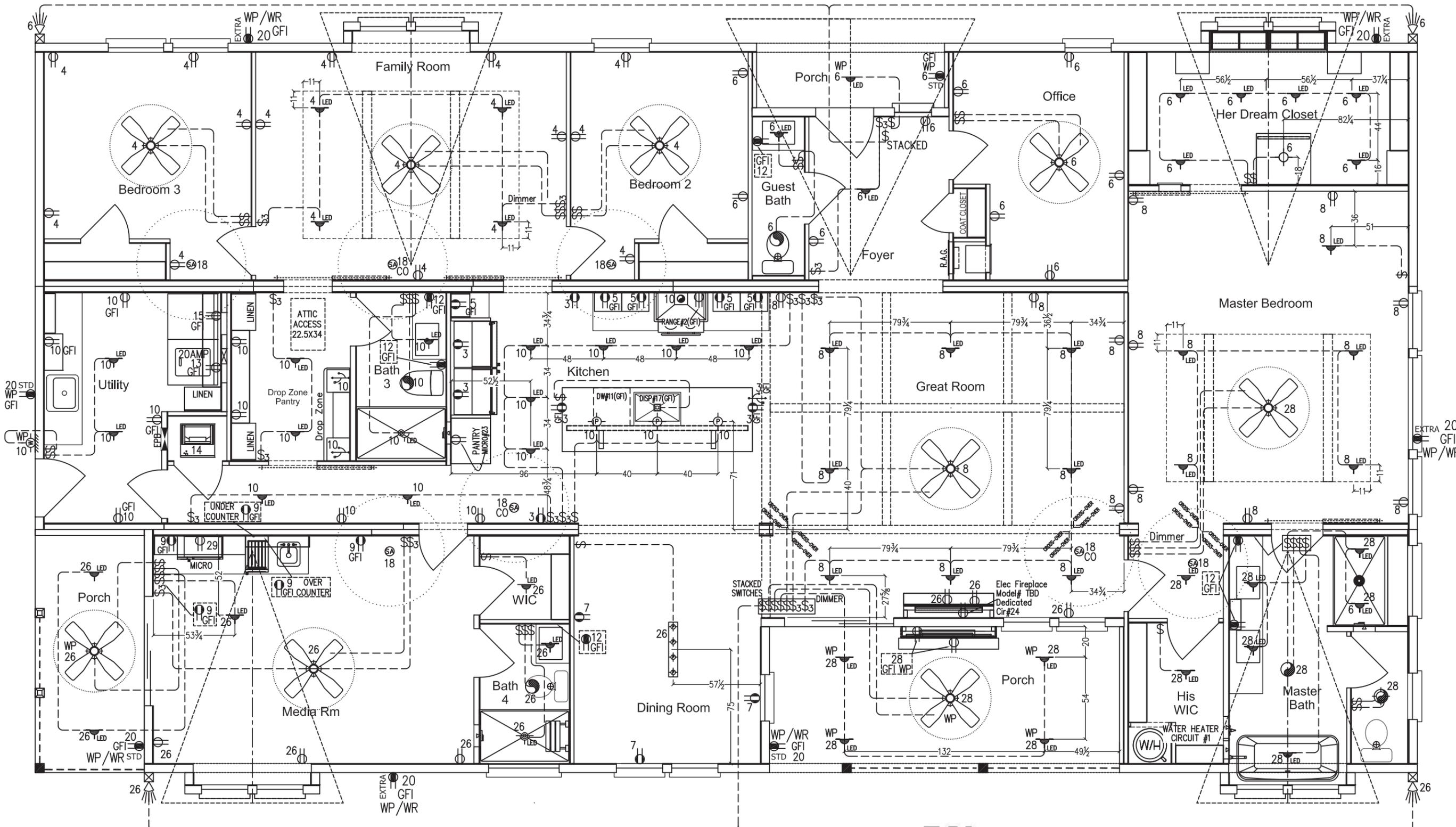
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HIGH VELOCITY HURRICANE ZONE	NO

MUR 261 **IWC**

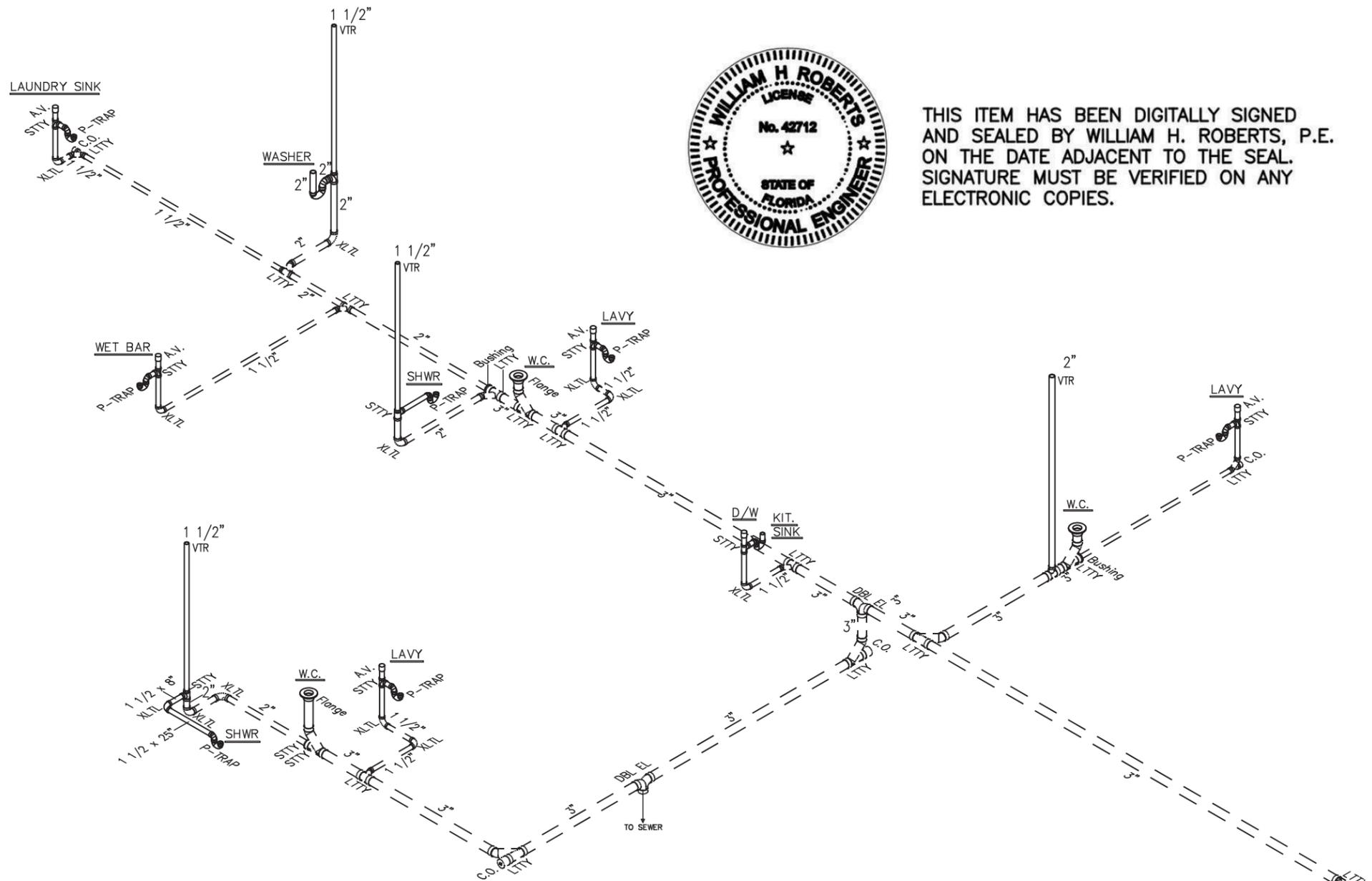
Sheet Title:	ELECTRICAL PLAN
Sheet Number:	E1.01
Sheet NA of NA	NA of NA
Plan #:	2102-1783F



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William H Roberts  
Digitally signed by William H Roberts  
DN: serialNumber=461410C00001955867FE1F00137463,  
2.5.4.97=42712, cn=William H Roberts, o=EGi Engineering Great Ideas  
Inc., email=roberts.eg@gmail.com, c=US  
Date: 2025.12.27 13:57:22 -05'00'

WILLIAM H. ROBERTS, P.E. 42712  
1003 SOUTH ALEXANDER STREET, SUITE # 5  
PLANT CITY, FLORIDA 33563  
PHONE NO. 813-252-7078



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EST FIELD PIPE	
40'-0"	1 1/2" Dia. Pipe
23'-0"	2" Dia. Pipe
95'-0"	3" Dia. Pipe

EST DWV FIELD FITTINGS	
QTY	Description
1	Bushing 3" x 1-1/2"
2	Bushing 3" x 2"
2	Clean Out 1-1/2"
5	Clean Out 3"
2	Double Elbow 3"
9	Elbow 1 1/2" 90 Degree XLT
5	Elbow 2" 90 Degree XLT
1	Elbow 3" 90 Degree XLT
3	LTTY 1-1/2"
1	LTTY 2" x 1-1/2" x 2"
1	LTTY 2" x 2" x 1-1/2"
9	LTTY 3"
5	LTTY 3" x 3" x 1-1/2"
2	LTTY 3" x 3" x 2"
1	STTY 3" x 3" x 2"

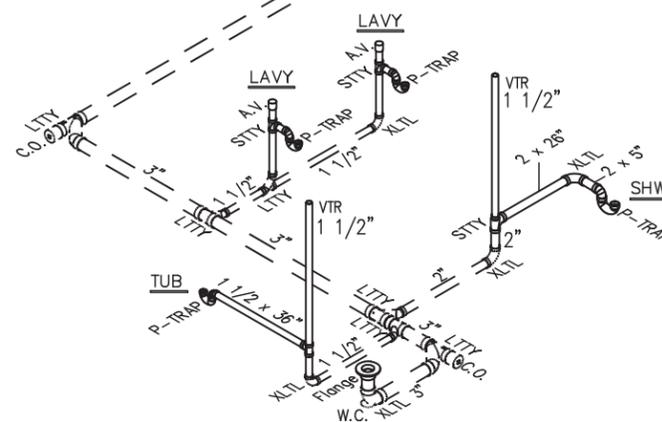
(DYN)NOTES:

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

**EGI** ENGINEERING GREAT IDEAS, INC

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 Date: 2025.12.27 13:59:10 -05'00'

WILLIAM H. ROBERTS, P.E. #42712  
 FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098  
 1003 SOUTH ALEXANDER STREET, SUITE #5  
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 OFFICE NO: (813)-752-7078



**Palm Harbor Homes**  
 Plant Number: **69**  
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Plant Information:  
 William H. "Rob" Roberts, P.E.  
 1003 South Alexander Street  
 Suite # 5  
 Plant City, Florida 33563  
 Lic. # 42712

Drawing Information:  
 Model Number: 340EL40764AMC-1092686  
 Sales Name: DRAPER (CUSTOM)  
 Series: ELITE  
 Drawn by: TH  
 Date: 12-04-25  
 Serial #: ---

Customer:  
 PERRAULT  
 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	150 ULT(3 SEC)
FIRE RATING OF EXT. WALLS	0
PLAN NO.	2102-1783F
ALLOW. FLOOR LOAD	40
APPROVAL DATE	01-08-26
MANUFACTURER	PHH
HIGH VELOCITY HURRICANE ZONE	NO

MUR 261 **IWC**

Sheet Title: DWV PLAN  
 Sheet Number: P1.01  
 Sheet NA of NA  
 Plan #: 2102-1783F



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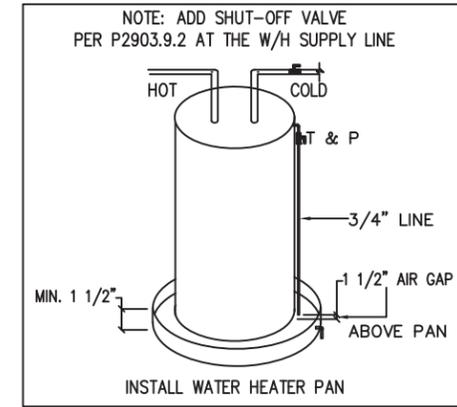
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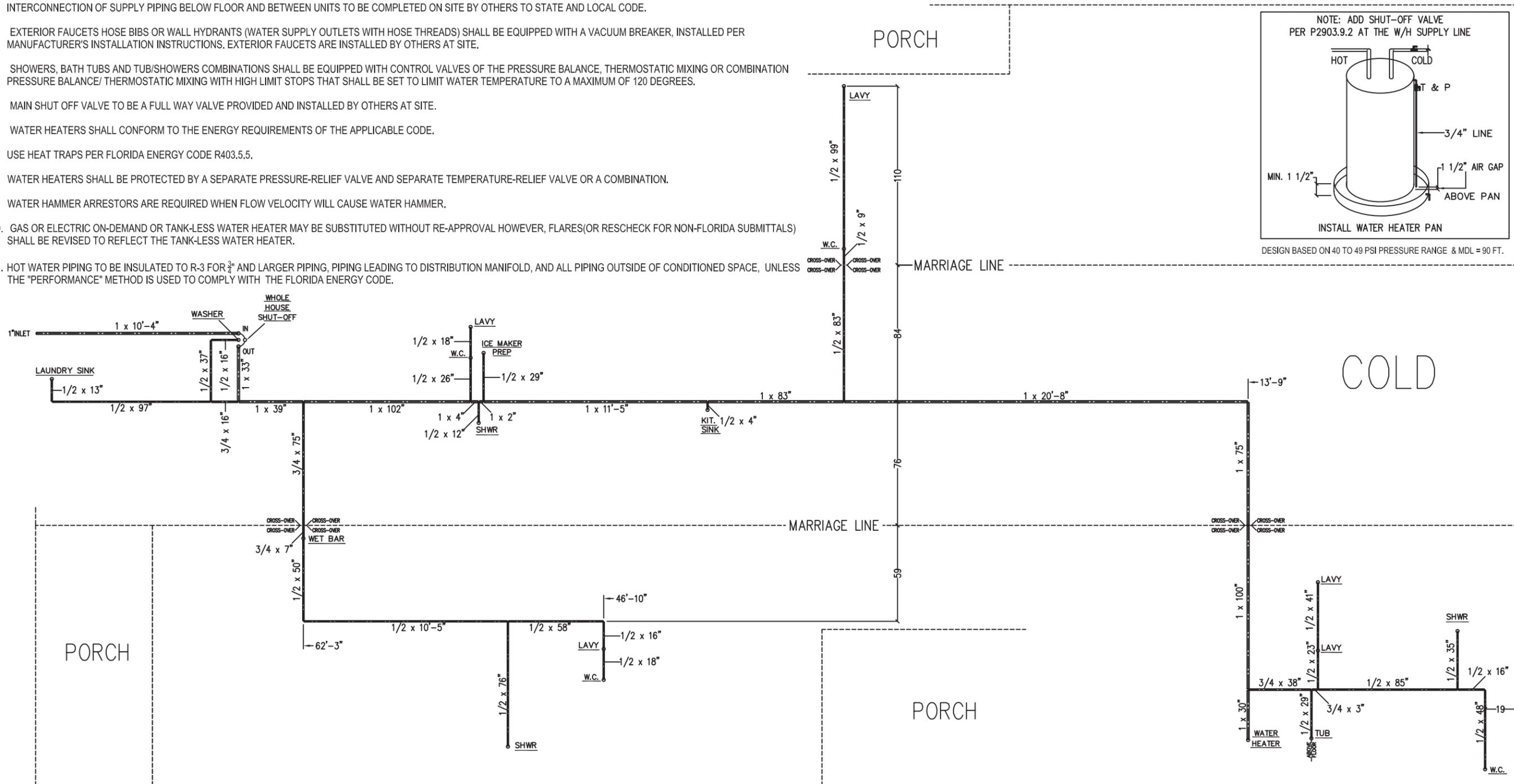
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(DYN)NOTES:

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. WATER HEATERS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE APPLICABLE CODE.
7. USE HEAT TRAPS PER FLORIDA ENERGY CODE R403.5.5.
8. WATER HEATERS SHALL BE PROTECTED BY A SEPARATE PRESSURE-RELIEF VALVE AND SEPARATE TEMPERATURE-RELIEF VALVE OR A COMBINATION.
9. WATER HAMMER ARRESTORS ARE REQUIRED WHEN FLOW VELOCITY WILL CAUSE WATER HAMMER.
10. GAS OR ELECTRIC ON-DEMAND OR TANK-LESS WATER HEATER MAY BE SUBSTITUTED WITHOUT RE-APPROVAL HOWEVER, FLARES(OR RESCHECK FOR NON-FLORIDA SUBMITTALS) SHALL BE REVISED TO REFLECT THE TANK-LESS WATER HEATER.
11. HOT WATER PIPING TO BE INSULATED TO R-3 FOR 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.

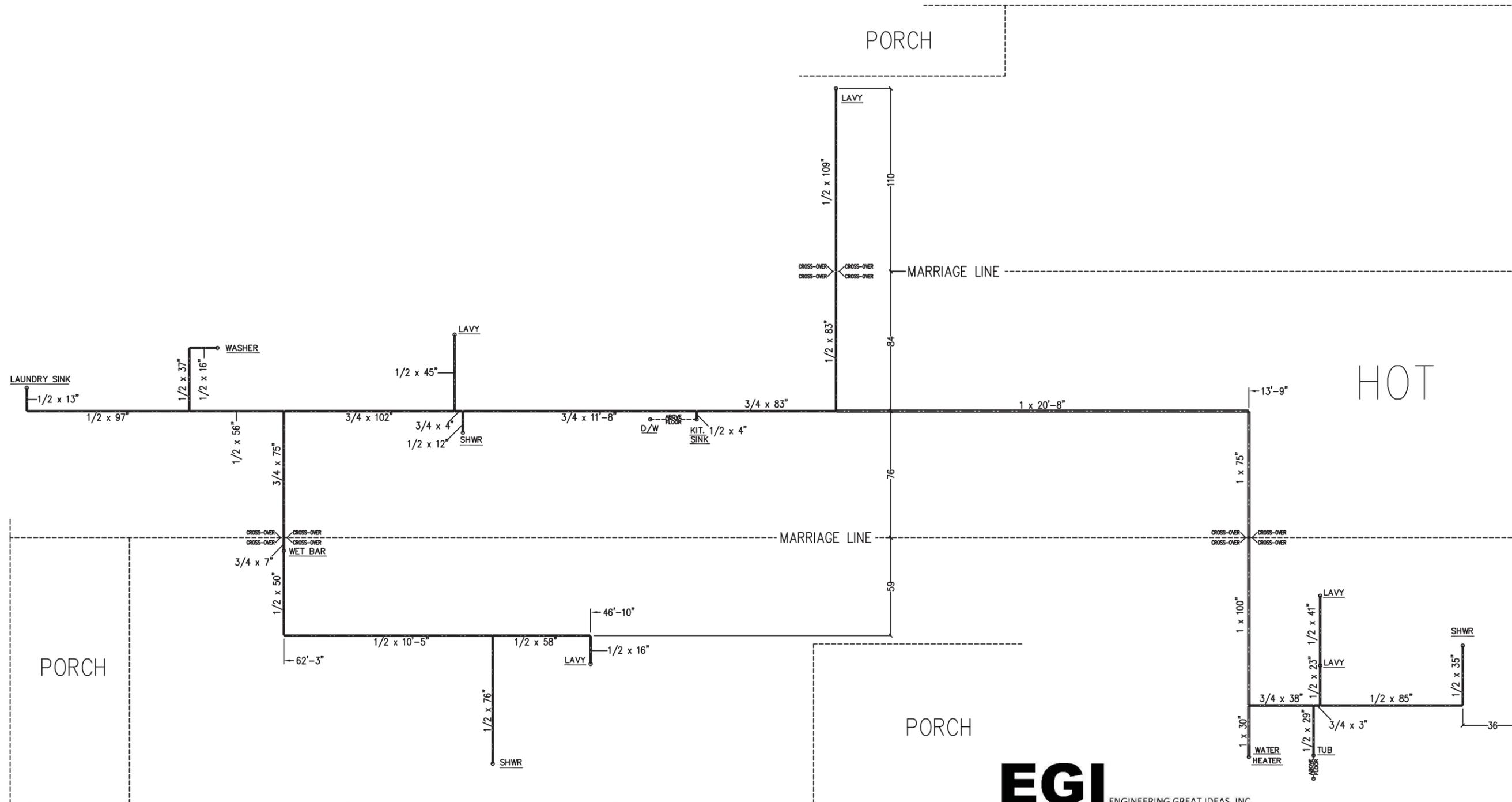


DESIGN BASED ON 40 TO 49 PSI PRESSURE RANGE & MDL = 90 FT.



P.E.:	William H. "Rob" Roberts, P.E. 1003 South Alexander Street Suite # 5 Plant City, Florida 33563 Lic. # 42712
Drawing Information	Model Number: 340EL40764AMC-1092686 Sales Name: DRAPER (CUSTOM) Series: ELITE Drawn by: TH Date: 12-04-25
Dealer:	-
Customer:	PERRAULT 3rd Party
State:	FL
Listing Agency Approval	Hilborn, Werner, Carter and Associates(HWC) 1627 South Myrtle Ave Clearwater, FL. 33756
High Velocity Hurricane Zone	NO

Sheet Title:	COLD SUPPLY LINES
Sheet Number:	P1.02
Sheet NA of NA	NA of NA
Plan #:	2102-1783F



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 0137463, 2.5.4.97=NTRU5+FL-  
 P16000022871, o=EGI- Engineering Great  
 Ideas Inc., cn=William H Roberts, sn=Roberts,  
 givenName=William,  
 email=wroberts.egi@gmail.com, c=US  
 Date: 2025.12.27 14:01:57 -05'00'

WILLIAM H. ROBERTS, P.E. #42712  
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 1003 SOUTH ALEXANDER STREET, SUITE #5  
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 OFFICE NO: (813)-752-7078

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P.E. William H. "Rob" Roberts, P.E. 1003 South Alexander Street Suite # 5 Plant City, Florida 33563 Lic. # 42712 Plant Information		Dealer: - Customer: PERRAULT 3rd Party Hilborn, Werner, Carter and Associates(HWC) 1627 South Myrtle Ave Clearwater, FL. 33756
Drawing Information Model Number: 340EL40764AMO-1092686 Sales Name: DRAPER (CUSTOM) Series: ELITE Drawn by: TH Date: 12-04-25		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 150 ULT(3 SEC) FIRE RATING OF EXT. WALLS 0 PLAN NO. 2102-1783F ALLOW. FLOOR LOAD 40 APPROVAL DATE 01-08-26 MANUFACTURER PHH HIGH VELOCITY HURRICANE ZONE NO
Sheet Title: <b>HOT SUPPLY LINES</b>	Sheet Number: <b>P1.03</b>	Sheet NA of NA Plan #: <b>2102-1783F</b>

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**

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	472	1	8d	4/6	120	2	2	N/A	or 1/4	3 3/8	N/A
B1	590	1	8d	3/6	96	2	N/A	N/A	1/5	2 5/8	1
LSAB1	788	1	8d	2/6	78	N/A	5	N/A	or 1/4	2	N/A
C1	882	2	8d	3/6	36	3	5	N/A	or 2/5	1 3/4	N/A
C2	882	2	8d	3/6	34	3	6	N/A	or 1/8	1 3/4	N/A
D1	868	1	8d	2/6	42	3	2	6	or 2/6	1 7/8	N/A
D2	868	1	8d	2/6	42	3	2	6	or 2/6	1 7/8	N/A
LSCD1	768	1	8d	2/6	80	N/A	5	N/A	or 1/4	2	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.)
A	Dbl @3/6	see Dbl col	13	17	20	22	24
B	Dbl @3/6	see Dbl col	13	17	20	22	24
C	HELP	see Dbl.col	15	20	22	25	27
D	Dbl @3/6	see Dbl.col	16	21	23	26	28

**Shear Wall Design Criteria**

Wind Speed: 150(Vult) Exposure: D Side Wall Ht (in.):102 Max Elev (in.): 48 Framing 2x8	
Shear Wall	Moment @ Bottom of Unit Floor(FT-#)
A	44,042
B	44,042
C	48,043
D	56,698

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	NUM	LENGTH	SIZE	BLK	FLOOR WIDTH	SPAN	LOAD	UPLIFT LOAD					
1	4	2	1	102	2x6	N	160	15'-5"	2056	1655					
2	4	2	1	102	2x6	N	160	15'-5"	2056	1655					
3	2	1	3	102	2x4	N	160	15'-5"	2056	1058					
4	2	1	3	102	2x4	N	160	15'-5"	2056	1058					
5	1	1	1	102	2x4	N	160	6'-10"	911	469					
6	1	1	1	102	2x4	N	160	6'-10"	911	469					
7	1	1	1	102	2x4	N	160	6'-10"	911	469					
8	1	1	1	102	2x4	N	160	6'-10"	911	469					
9	1	1	1	102	2x4	N	160	4'-8"	622	320					
10	1	1	1	102	2x4	N	160	4'-8"	622	320					
11	1	1	1	102	2x4	N	160	4'-8"	622	320					
12	1	1	1	102	2x4	N	160	4'-8"	622	320					
13	3	1	3	102	2x4	N	160	19'-1"	2544	1309					
14	3	1	3	102	2x4	N	160	19'-1"	2544	1309					
15	4	1	5	102	2x4	N	160	29'-9"	3967	2041					
16	4	1	5	102	2x4	N	160	29'-9"	3967	2041					
17	2	1	2	102	2x4	N	160	9'-11"	1322	680					
18	2	1	2	102	2x4	N	160	9'-11"	1322	680					

**Shear Wall Design Criteria**

Wind Speed: 150(Vult) Exposure: D Side Wall Ht (in.):102 Max Elev (in.): 48 Framing 2x8	
Shear Wall	Moment @ Bottom of Unit Floor(FT-#)
A	44,042
B	44,042
C	48,043
D	56,698



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**Palm Harbor Homes**  
Plant Number: 69  
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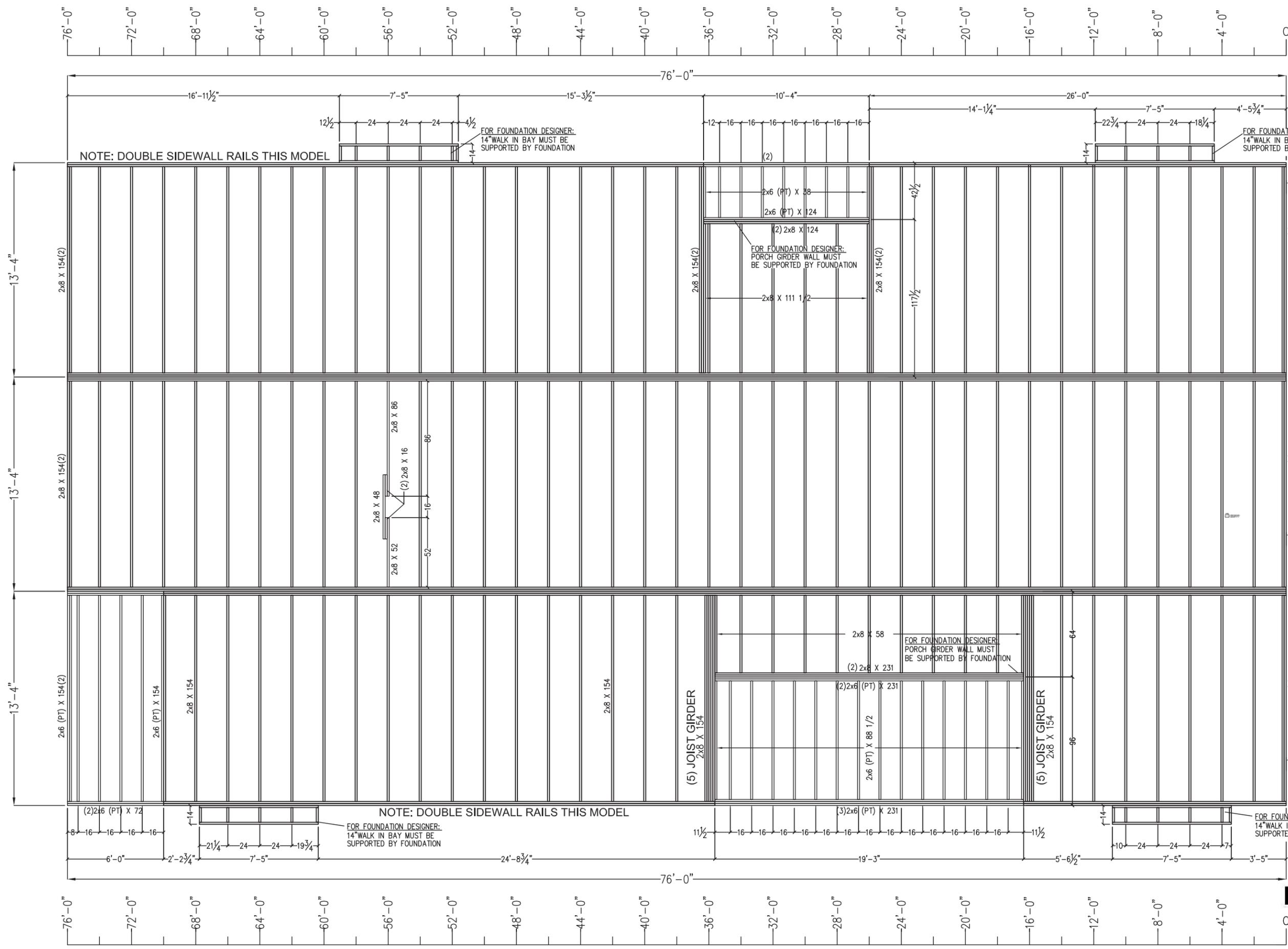
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Series: ELITE  
Date: 12-04-25  
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Serial #: ---

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3rd Party  
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Clearwater, FL. 33756

State: FL  
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CONST. TYPE VB  
OCCUPANCY SFD  
ALLOWABLE NO. OF FLOORS 1  
WIND VELOCITY 150 ULT(3 SEC)  
FIRE RATING OF EXT. WALLS 0  
PLAN NO. 2102-1783F  
ALLOW. FLOOR LOAD 40  
APPROVAL DATE 01-08-26  
MANUFACTURER PHH  
HIGH VELOCITY HURRICANE ZONE NO

MUR 284  
EGI  
IWC

Sheet Title: COLUMN & SHEARWALL TAB  
Sheet Number: S0.02  
Sheet NA of NA  
Plan #: 2102-1783F



**ON - FRAME FLOOR FRAMING 24 OC**

- 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 FMM G SECTION FOR FRAMING CONNECTION REQUIREMENTS.

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

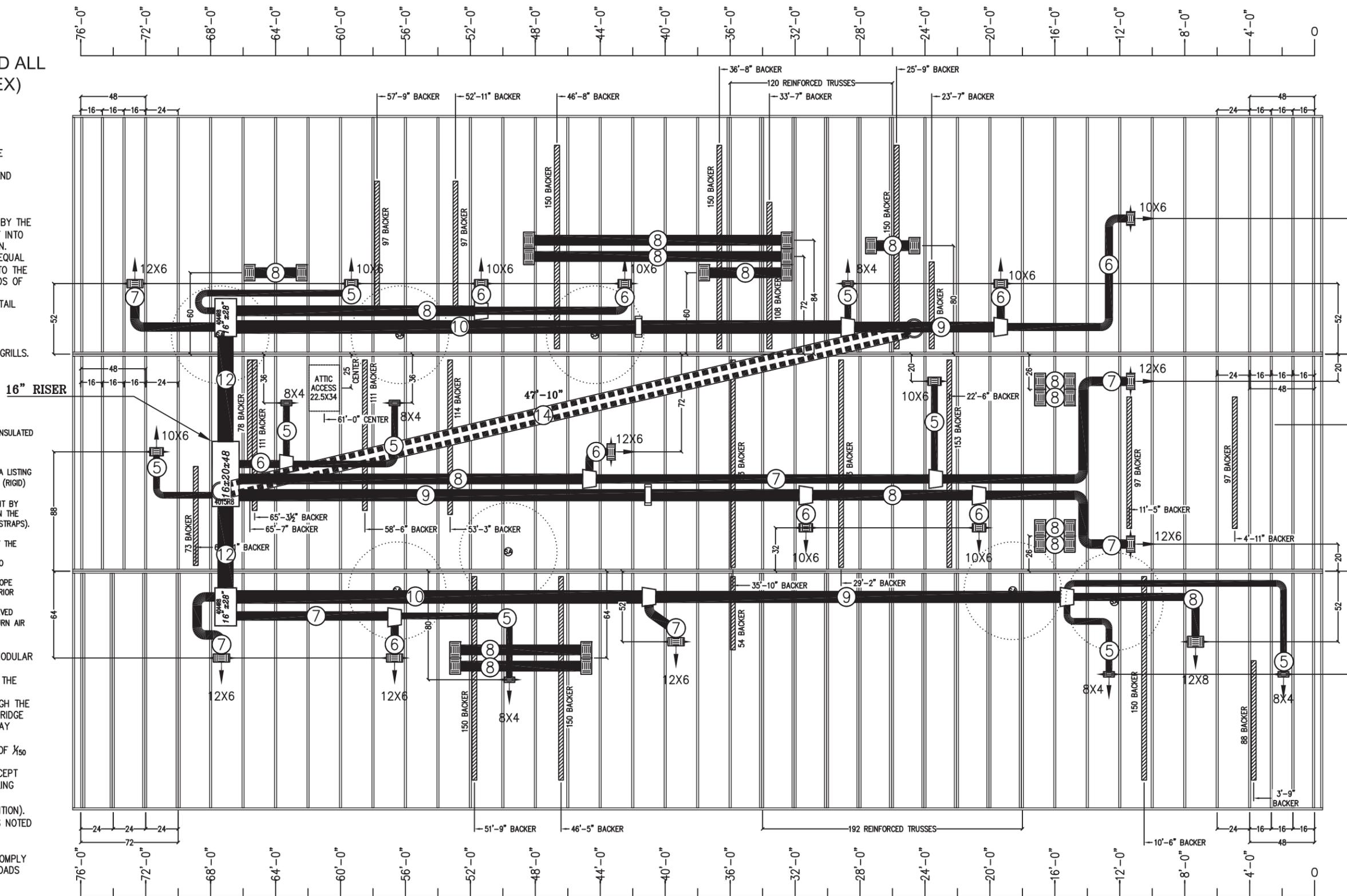
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 DN: cn=William H. Roberts, o=William H. Roberts, email=william@williamhroberts.com, c=US  
 Date: 2023.12.27 14:54:46 -0500

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Dealer: - Customer: PERRAULT 3rd Party Hilborn, Werner, Carter and Associates(HWC) 1627 South Myrtle Ave Clearwater, FL. 33756		P.E. William H. "Rob" Roberts, P.E. 1003 South Alexander Street Suite # 5 Plant City, Florida 33563 Lic. # 42712 Plant Information	
Drawing Information Model Number: 340EL40764AMO-1092686 Sales Name: DRAPER (CUSTOM) Series: ELITE Drawn by: TH Date: 12-04-25 Serial #: ---		State: FL LISTING AGENCY APPROVAL These plans comply with the Florida Manufactured Building Act of 1975 Construction Code and adhere to the following criteria: CONST. TYPE VB OCCUPANCY SFD ALLOWABLE NO. OF FLOORS 1 WIND VELOCITY 150 ULLT(3 SEC) FIRE RATING OF EXT. WALLS 0 PLAN NO. 2102-1783F ALLOW. FLOOR LOAD 40 APPROVAL DATE 01-08-26 MANUFACTURER PHH HIGH VELOCITY HURRICANE ZONE NO	
Sheet Title: <b>FLOOR FRAMING ON 24 OC</b> Sheet Number <b>S1.01.03</b>		Sheet NA of NA Plan #: <b>2102-1783F</b>	

**RIDGE BEAM: 4 LAYER OF 15/32" x 16" HIGH (3 LAYER /3 PLY) PLYWOOD ALL PLYS GROUP I (32/16 INDEX)**

- (DYN) GENERAL NOTES:
- FOR TRUSS REINFORCEMENT AT GABLE ENDS SEE PA150-2.10 OF THE FL MODULAR MANUAL
  - FOR TRUSS REINFORCEMENT AT PORCHES AND END ZONES, SEE PAGE PA150-3 OF THE FACTORY'S MODULAR MANUAL.
- MINIMUM RETURN AIR PATH:
- 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.

- (DYN) DUCT NOTES:
- 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.
  - 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).
  - JOINTS AND SEAMS ARE TO BE MADE SUBSTANTIALLY AIRTIGHT BY MEANS OF TAPES, MASTICS OR OTHER SYSTEMS AS APPROVED IN THE MANUFACTURER'S INSTALLATION INSTRUCTIONS (E.G. PLASTIC TIE STRAPS).
  - 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.
  - ALL DUCT WORK INSTALLED OUTSIDE THE CONDITIONED ENVELOPE SHALL HAVE A MINIMUM R-8 AND BE LISTED FOR USE AS EXTERIOR DUCT.
  - 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.
  - ALL GABLE END WALLS SHALL BE BRACED IN ACCORDANCE WITH PALM HARBOR HOME'S FLORIDA MODULAR CONSTRUCTION MANUAL.
  - ALL EXHAUST FANS/VENTS SHALL BE DUCTED TO THE EXTERIOR OF THE STRUCTURE.
  - 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 1/50 OR 1/300.
  - 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).
  - ALL RETURN AIR GRILLS TO BE 21" X 26" UNLESS NOTED OTHERWISE ON THE PLANS.
  - ROOF TRUSSES INSTALLED AT 16" O.C. MAXIMUM SPACING ARE ALLOWED IN BUILDINGS DESIGNED TO COMPLY WITH A MAXIMUM 180 VULT MPH WIND LOAD. WIND LOADS UP TO AND INCLUDING 150 VULT MPH ARE 24" O.C.

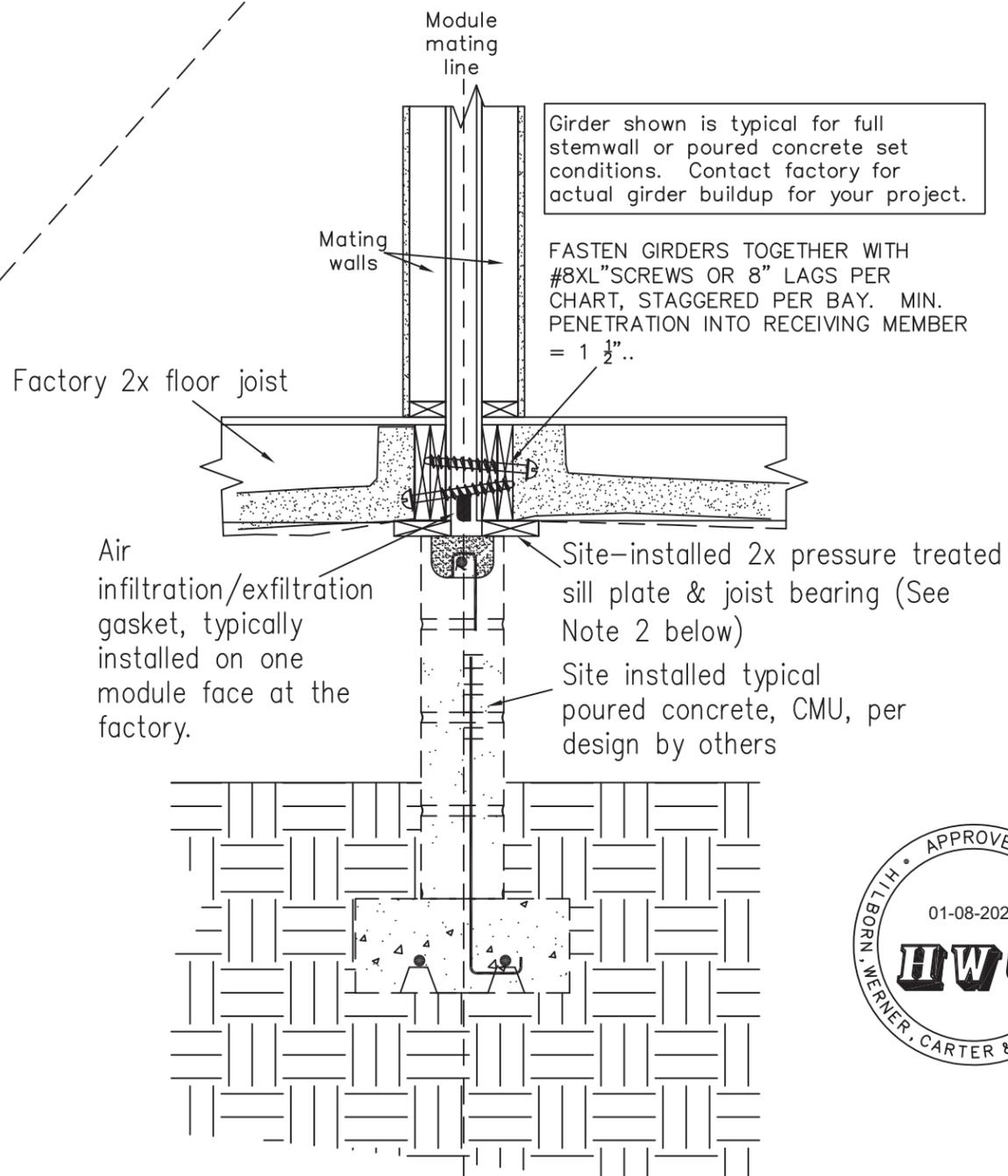
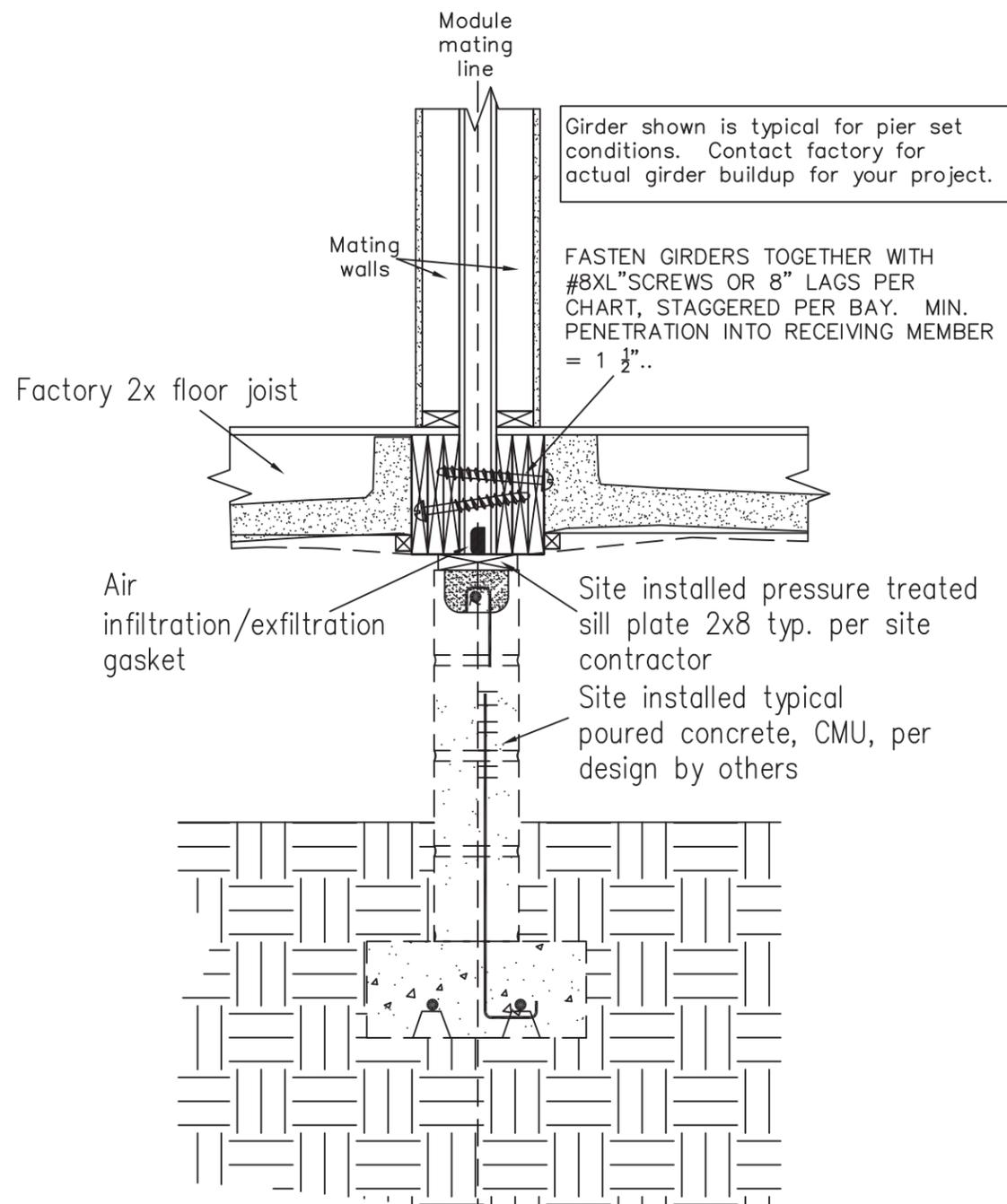


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**EGI**  
 William H Roberts  
 P.E. 42712  
 1003 SOUTH ALEXANDER STREET, SUITE #5  
 PLANT CITY, FLORIDA 33563  
 PH: 813-259-7678

		Plant Number: <b>69</b> © Copyright 2025 Palm Harbor Homes, Inc. All Rights Reserved
P.E. William H. "Rob" Roberts, P.E. 1003 South Alexander Street Suite # 5 Plant City, Florida 33563 Lic. # 42712		Plant Information Palm Harbor Homes, Inc. 605 S. Frontage Road Plant City, Florida 33566
Drawing Information Model Number: 340EL40764AMO-1092686 Sales Name: DRAPER (CUSTOM) Series: ELITE		Dealer: - Customer: PERRAULT 3rd Party Hilborn, Werner, Carter and Associates (HWC) 1627 South Myrtle Ave Clearwater, FL. 33756
State: FL Listing Agency Approval These plans comply with the Florida Manufactured Building Act of 1979 Construction Code and adhere to the following criteria:		Date: TH 12-04-25 Serial #: -
CONST. TYPE: VB OCCUPANCY: SFD ALLOWABLE NO. OF FLOORS: 1 WIND VELOCITY: 150 U.L.T.(3 SEC) FIRE RATING OF EXT. WALLS: 0 PLAN NO.: 2102-1783F ALLOW. FLOOR LOAD: 40 APPROVAL DATE: 01-08-26 MANUFACTURER: PHH HIGH VELOCITY HURRICANE ZONE: NO		MUR 261
Sheet Title: <b>ROOF &amp; DUCT PLAN 24</b>	Sheet Number: <b>S1.04.1</b>	Sheet of NA Plan #: <b>2102-1783F</b>





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 1 1/2" 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.



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**William H Roberts**  
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 Date: 2025.12.27 14:10:51 -0500  
 WILLIAM H. ROBERTS, P.E. #42712  
 FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098  
 1003 SOUTH ALEXANDER STREET, SUITE #5  
 PLANT CITY, FLORIDA 33563  
 OFFICE NO: (813)-752-7078



Plant Number: **69**

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---

P.E. William H. "Rob" Roberts, P.E.  
 1003 South Alexander Street  
 Suite # 5  
 Plant City, Florida 33563  
 Lic. # 42712

---

Drawing Information  
 Model Number: 340EL40764AMO-1092686  
 Sales Name: DRAPER (CUSTOM)  
 Series: ELITE

---

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

---

Date: 12-04-25  
 Drawn by: TH  
 Serial #: ---

---

Dealer: ---

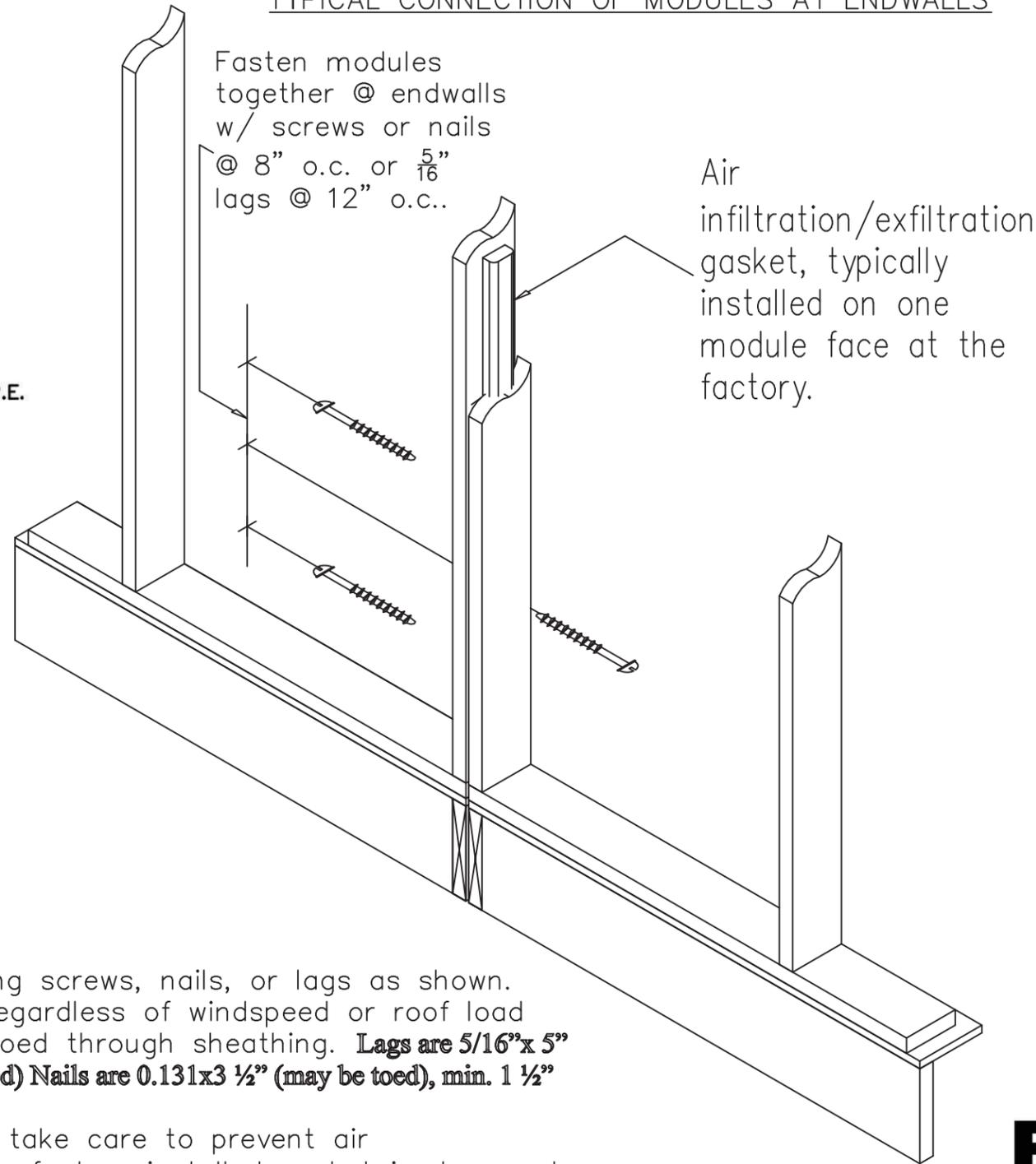
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Customer: PERRAULT

---

Sheet Title: IM-FLOOR  
 Sheet Number: IM.01  
 Sheet NA of NA  
 Plan #: 2102-1783F

TYPICAL CONNECTION OF MODULES AT ENDWALLS



Fasten modules together @ endwalls w/ screws or nails @ 8" o.c. or 5/16" lags @ 12" o.c..

Air infiltration/exfiltration gasket, typically installed on one module face at the factory.



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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.

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**William H Roberts**

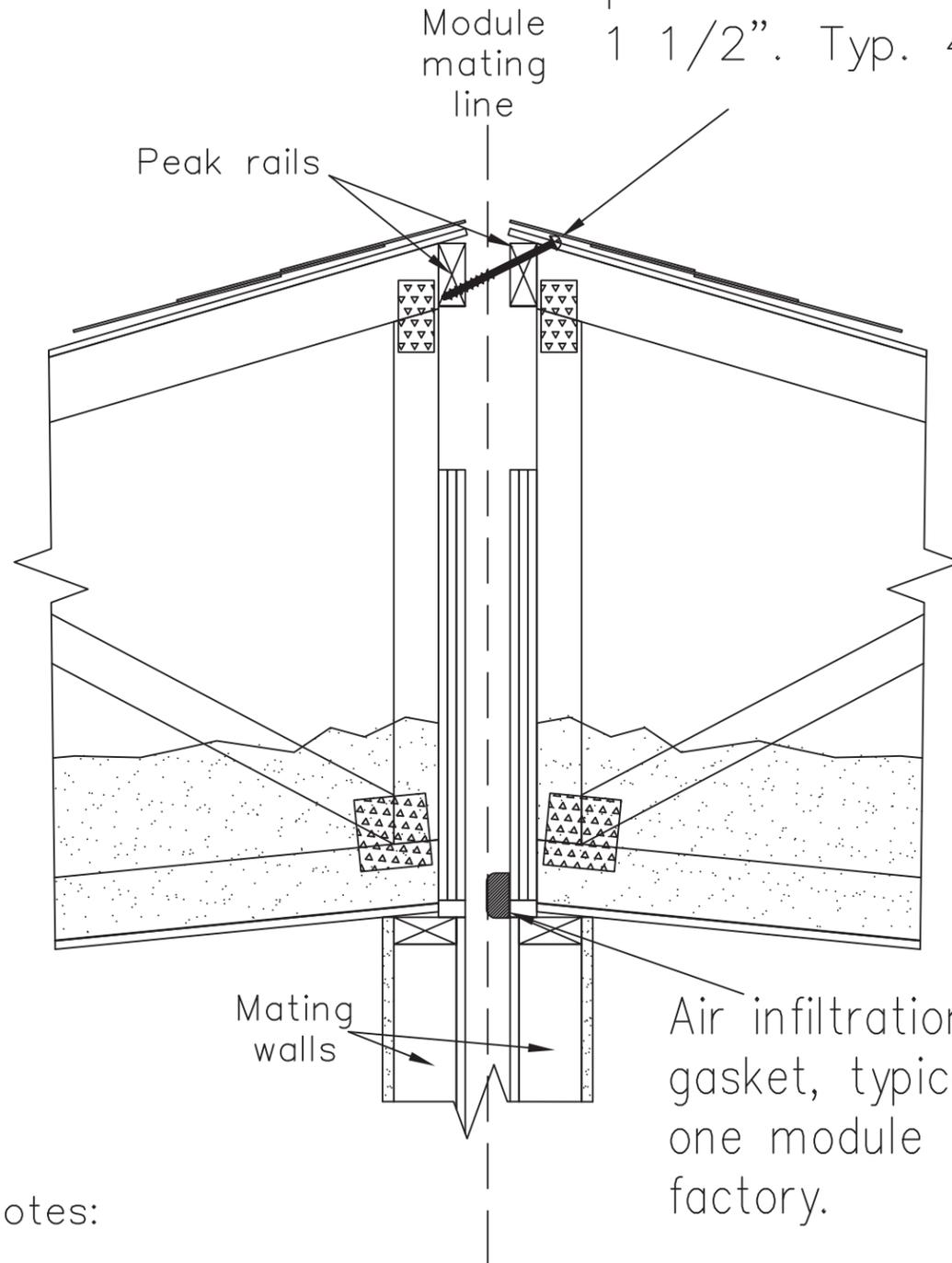
Digitally signed by William H Roberts  
 DN:  
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 P16000022871, o=EGI-Engineering Great  
 Ideas Inc., cn=William H Roberts,  
 sn=Roberts, givenName=William,  
 email=roberts.egi@gmail.com, c=US  
 Date: 2025.12.27 14:12:29 -05'00'

WILLIAM H. ROBERTS, P.E. #42712  
 FBPE ENGINEERING BUSINESS CERT. OF AUTH. #29098  
 1003 SOUTH ALEXANDER STREET, SUITE #5  
 PLANT CITY, FLORIDA 33563  
 OFFICE NO: (813)-752-7078

Palm Harbor Homes Plant Number: <b>69</b>	P.E. William H. "Rob" Roberts, P.E. 1003 South Alexander Street Suite # 5 Plant City, Florida 33563 Lic. # 42712		© Copyright 2025 Palm Harbor Homes, Inc. All Rights Reserved	
	Drawing Information Model Number: 340EL40764AMO-1092686 Sales Name: DRAPER (CUSTOM) Series: ELITE		Plant Information Palm Harbor Homes, Inc. 605 S. Frontage Road Plant City, Florida 33566	
Dealer: -		Drawn by: TH	Date: 12-04-25	Serial #: ---
Customer: PERRAULT				
Sheet Title: IM-ENDWALL	Sheet Number: IM.02	of	NA	Plan #: 2102-1783F

# Fixed Roof Module Interconnection

Fasten mating line peak rails together with #10xL" screws (L= min. penetration into receiving member of 1 1/2". Typ. 4 1/2" 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

Air infiltration/exfiltration gasket, typically installed on one module face at the factory.

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.



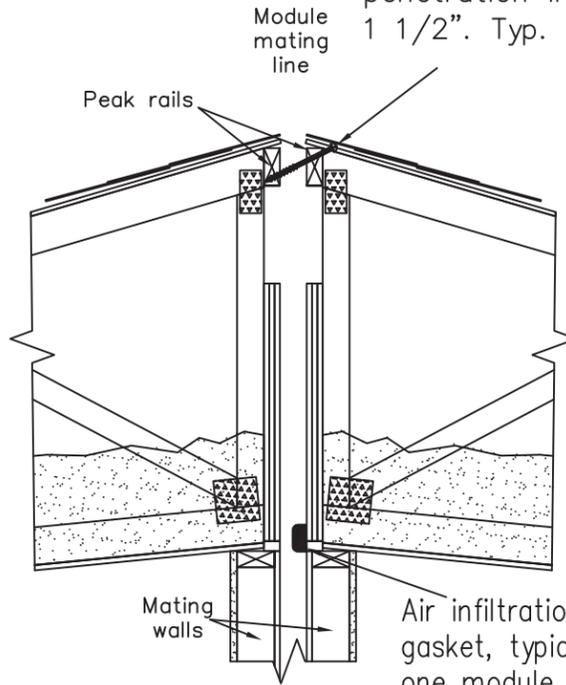
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 Date: 2025.12.27 14:14:11 -05'00'

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 PLANT CITY, FLORIDA 33563  
 OFFICE NO: (813)-752-7078

 Plant Number: <b>69</b> © Copyright 2025 Palm Harbor Homes, Inc. All Rights Reserved	P.E. William H. "Rob" Roberts, P.E. 1003 South Alexander Street Suite # 5 Plant City, Florida 33563 Lic. # 42712 Plant Information
	P.E. Drawing Information Model Number: 340EL40764AMO-1092686 Sales Name: DRAPER (CUSTOM) Series: ELITE Drawn by: TH Date: 12-04-25 Serial #: ---
Dealer: -- Customer: PERRAULT	
Sheet Title: <b>IM-FIXED PEAK</b>	Sheet Number: <b>IM.03</b>
Sheet NA of NA 2102-1783F	Plan #:

**Fixed Roof Module Interconnection**

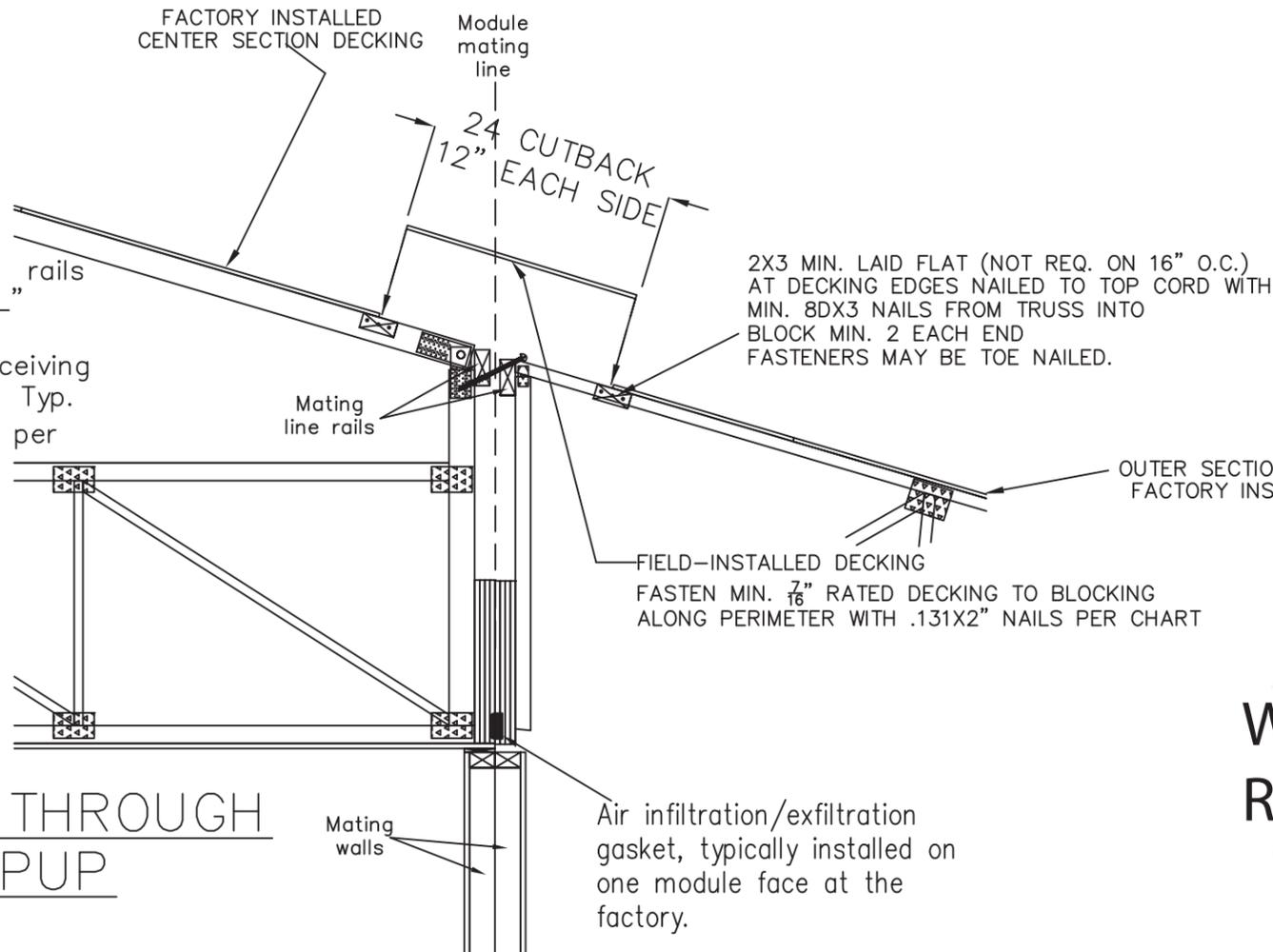


Fasten mating line peak rails together with #10xL" screws (L= min. penetration into receiving member of 1 1/2". Typ. 4 1/2" screw)

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

Air infiltration/exfiltration gasket, typically installed on one module face at the factory.

Fasten mating line rails together with #10xL" screws (L= min. penetration into receiving member of 1 1/2". Typ. 4 1/2" screw) spacing per chart.



**SECTION THROUGH STEPUP**



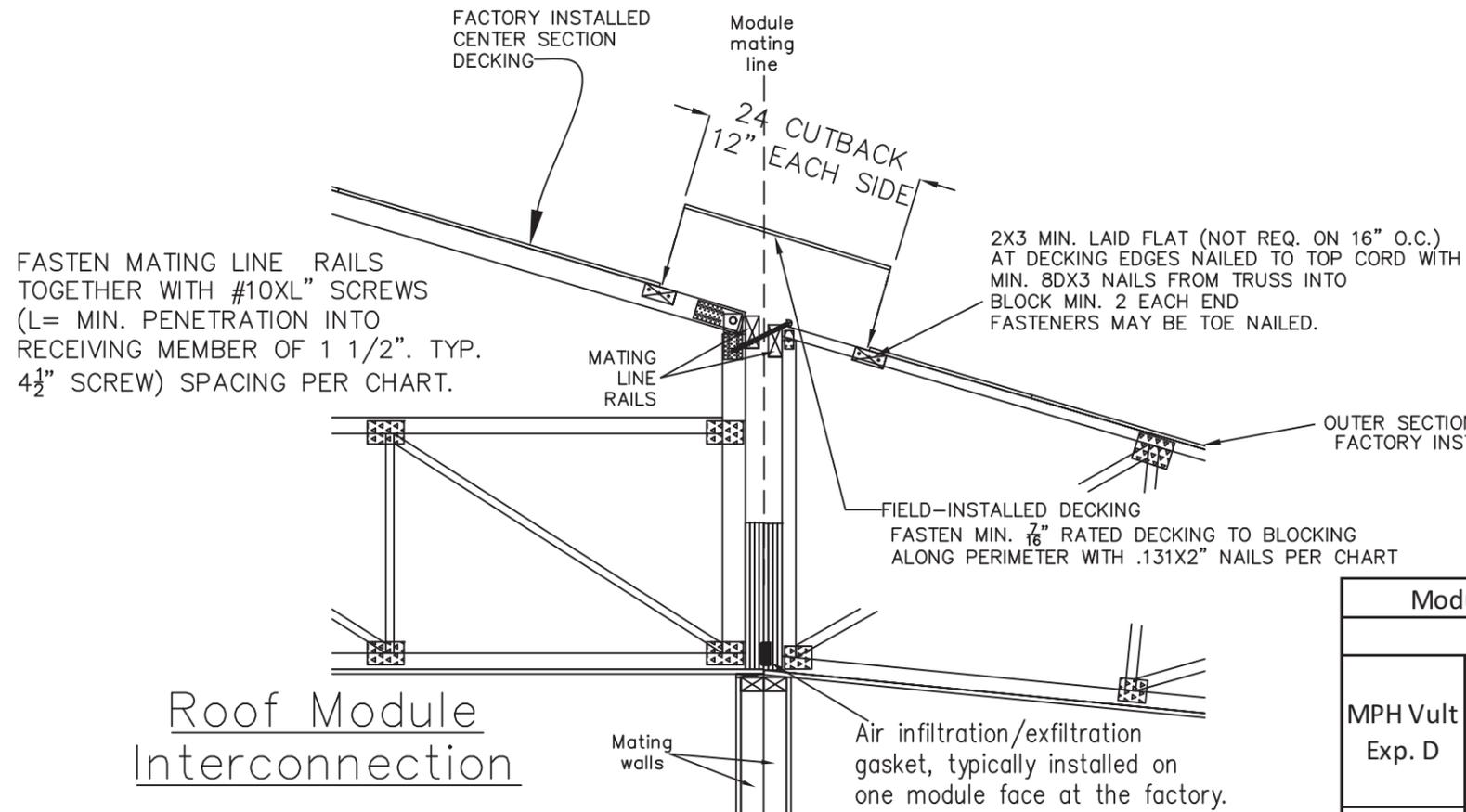
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 PLANT CITY, FLORIDA 33563  
 OFFICE NO: (813)-752-7078

	Plant Number: <b>69</b>	P.E. William H. "Rob" Roberts, P.E. 1003 South Alexander Street Suite # 5 Plant City, Florida 33563 Lic. # 42712	© Copyright 2025 Palm Harbor Homes, Inc. All Rights Reserved
	Drawing Information Model Number: 340EL40764AMO-1092686 Sales Name: DRAPER (CUSTOM) Series: ELITE	Date: 12-04-25 Drawn by: TH	Dealer: - Customer: PERRAULT

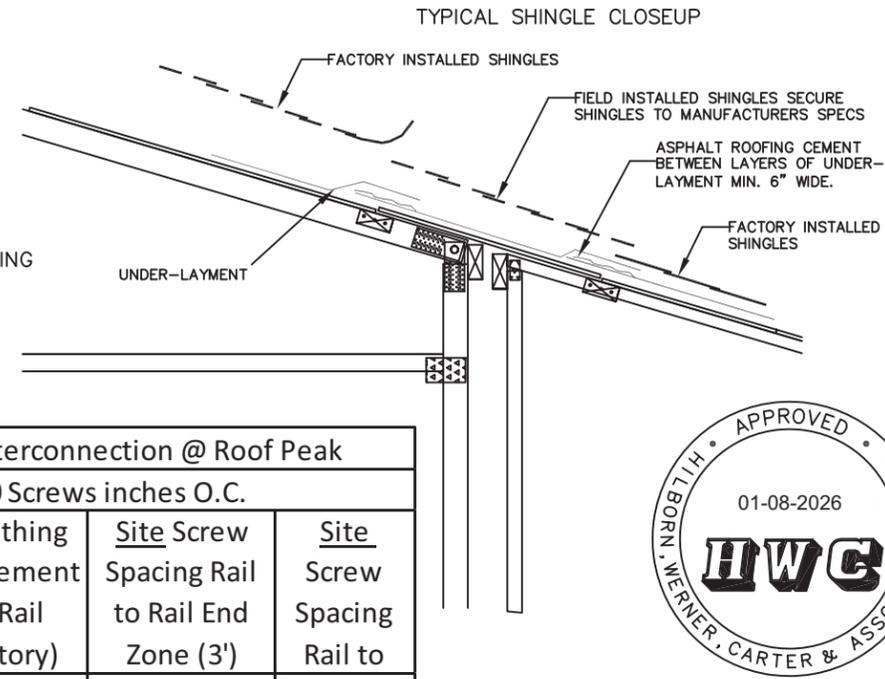


### Roof Module Interconnection

**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.
2. DUE TO CONFIGURATION OF OPTIONAL HINGED TRUSS, ALL VTRS, BATH VENT FAN DUCTS AND RANGE VENT FAN DUCTS CANNOT BE ROUTED TO ANY FIXED ROOF SECTION AND INSTALLED. THESE ITEMS ARE TO BE COMPLETED DURING THE ON-SITE SETUP AND ARE SUBJECT TO LOCAL INSPECTION.

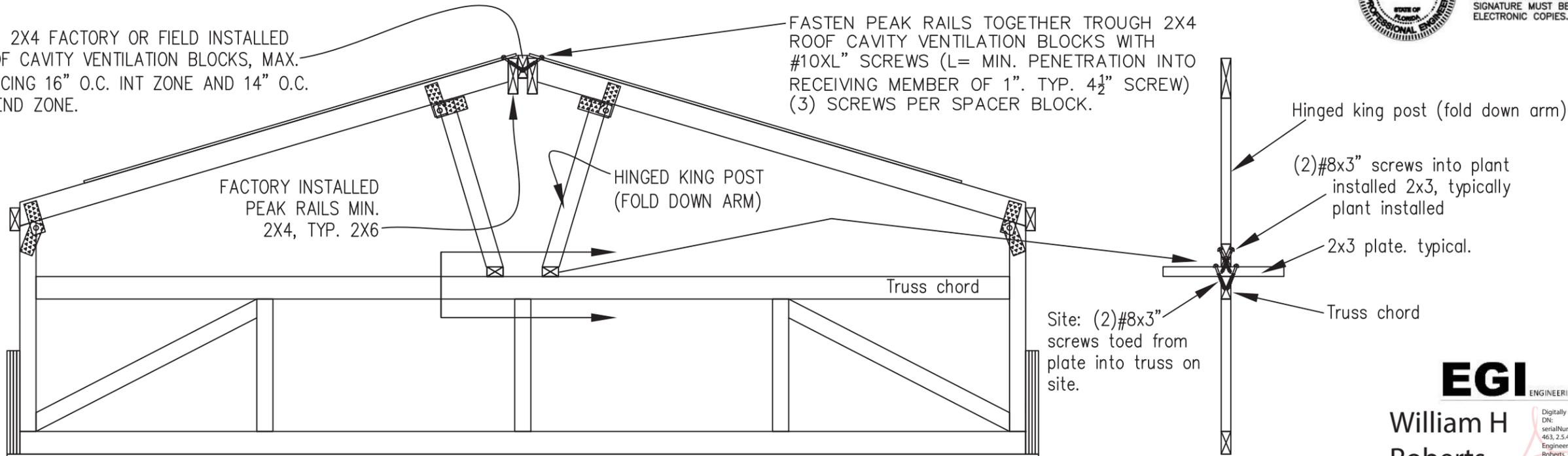
Module Interconnection @ Roof Peak			
#10 Screws inches O.C.			
MPH Vult Exp. D	Sheathing securement to Rail (factory)	Site Screw Spacing Rail to Rail End Zone (3')	Site Screw Spacing Rail to
150	2 3/4	5 3/4	9
160	2 3/8	5	7 3/4
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208	1 3/8	2 7/8	4 5/8



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MIN. 2X4 FACTORY OR FIELD INSTALLED ROOF CAVITY VENTILATION BLOCKS, MAX. SPACING 16" O.C. INT ZONE AND 14" O.C. IN END ZONE.

FASTEN PEAK RAILS TOGETHER TROUGH 2X4 ROOF CAVITY VENTILATION BLOCKS WITH #10XL" SCREWS (L= MIN. PENETRATION INTO RECEIVING MEMBER OF 1". TYP. 4 1/2" SCREW) (3) SCREWS PER SPACER BLOCK.



### Optional hinged roof

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 Date: 2025.12.27 14:17:59 -05'00'

WILLIAM H. ROBERTS, P.E. #42712  
 FEPE ENGINEERING BUSINESS CERT. OF AUTH. #29098  
 1003 SOUTH ALEXANDER STREET, SUITE #5  
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 OFFICE NO: (813)-752-7078

**Palm Harbor Homes**  
 Plant Number: 69  
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P.E. William H. "Rob" Roberts, P.E.  
 1003 South Alexander Street Suite # 5  
 Plant City, Florida 33563 Lic. # 42712

Drawing Information  
 Model Number: 340EL40764AMO-1092686  
 Sales Name: DRAPER (CUSTOM)  
 Series: ELITE  
 Drawn by: TH  
 Date: 12-04-25  
 Serial #: ---

Customer: PERRAULT

Sheet Title: IM-TRIPLE WIDE CLOSEUP A  
 Sheet Number: IM-05.2  
 Sheet NA of NA: NA  
 Plan #: 2102-1783F



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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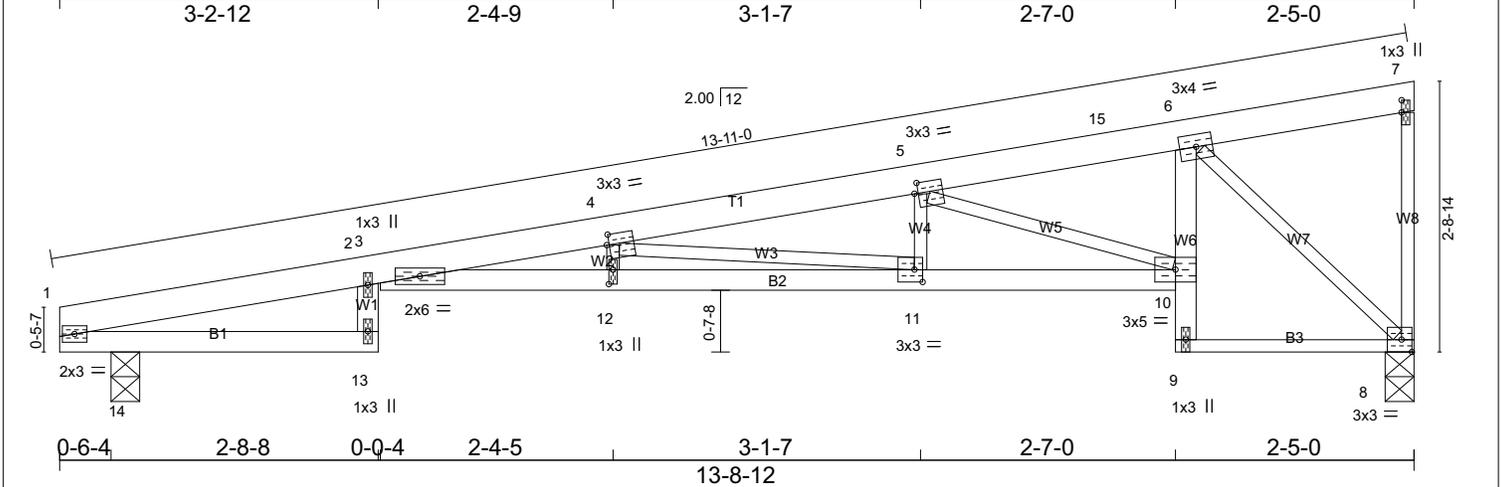


Plate Offsets (X,Y)-- [4:0-0-5,0-1-4], [5:0-0-7,0-1-4], [7:0-1-8,0-0-0], [8:0-1-4,Edge], [11:0-1-0,0-1-8], [12:0-1-12,0-0-8]

<b>SPACING-</b> 2-0-0 <b>LOADING (psf)</b> TCLL 20.0 TCDL 9.0 BCLL 0.0 * BCDL 6.0	<b>SPACING-</b> 1-4-0 <b>LOADING (psf)</b> 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	<b>CSI.</b> TC 0.58 BC 0.79 WB 0.67 Matrix-P	<b>DEFL.</b> in (loc) I/defl L/d TC 0.63 3-12 >246 240 Vert(LL) 0.55 3-12 >282 180 Horz(CT) -0.27 8 n/a n/a	<b>PLATES GRIP</b> MT20 244/190  Weight: 89 lb FT = 0%
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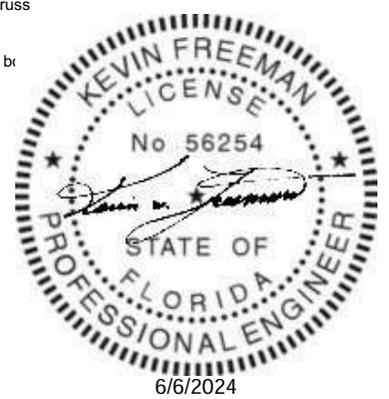
**LUMBER-**  
TOP CHORD 2x4 SP DSS  
BOT CHORD 2x3 SP No.2 \*Except\*  
B3: 2x2 SP No.2  
WEBS 2x2 SP No.2 \*Except\*  
W1,W6: 2x3 SP No.2

**BRACING-** [MCT]  
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end vertical [P]  
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 Uplift 8=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-**
- 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.
  - 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.
  - This truss has been checked for uniform roof live load only, except as noted.
  - Wind: ASCE 7-22; Vult=150mph (3-second gust) Vasd=116mph @24in o.c.; TC DL=3.6psf; BCDL=2.4psf; (Alt. 180mph @16in o.c.; TC DL=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
  - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* 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.
  - 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.
  - This design has been checked for Alpine Wave 20 gauge plates.
  - The ripped lumber specified above shall be re-graded by a certified lumber grader to the nearest smaller nominal sized lumber grading rules.
  - Based on M1275001 - tray version



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Digitally signed by William H Roberts  
DN: cn=William H Roberts, o=Engineering Great Ideas, Inc., email=williamh@egi.com, c=US  
Date: 2024.06.06 14:25:09 -0400  
WILLIAM H. ROBERTS, P.E. #12712  
P.E. ENGINEERING BUSINESS CERT. #21-14-423038  
1305 SOUTH ALEXANDER STREET, SUITE 405  
PLANT CITY, FLORIDA 33603  
OFFICE NO. (813) 762-7078



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**WARNING - Verify design parameters and READ NOTES**

UFP Industries, Inc. 2801 EAST BELTLINE RD. NE GRAND RAPIDS, MI 49525

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 TP11. 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



# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Methods

<p>Project Name: 340EL30764AMO AH R1A ,                  Street:                  City, State, Zip: FL,                  Owner:                  Design Location: FL, Fort Myers</p>	<p>Builder Name:                  Permit Office:                  Permit Number:                  Jurisdiction:                  County: Collier(Florida Climate Zone 1)</p>
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<table border="0" style="width:100%;"> <tr> <td>1. New construction or existing</td> <td style="text-align: right;">New (From Plans)</td> </tr> <tr> <td>2. Single family or multiple family</td> <td style="text-align: right;">Detached</td> </tr> <tr> <td>3. Number of units, if multiple family</td> <td style="text-align: right;">1</td> </tr> <tr> <td>4. Number of Bedrooms</td> <td style="text-align: right;">4</td> </tr> <tr> <td>5. Is this a worst case?</td> <td style="text-align: right;">Yes</td> </tr> <tr> <td>6. Conditioned floor area above grade (ft<sup>2</sup>)</td> <td style="text-align: right;">2780</td> </tr> <tr> <td>    Conditioned floor area below grade (ft<sup>2</sup>)</td> <td style="text-align: right;">0</td> </tr> <tr> <td>7. Windows(370.5 sqft.)</td> <td style="text-align: right;">Description      Area</td> </tr> <tr> <td>    a. 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01-08-26    Plat. No. 2102-1783F  
 Approved By: ROBERTS, WILLIAM H.  
  
 Minor Building Plans Designer  
 Florida License No. 5549-12

Glass/Floor Area: 0.133      Total Proposed Modified Loads: 81.86  
 Total Baseline Loads: 93.48

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.

<p>I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.</p> <p>PREPARED BY: <u>Bruce Bussell</u></p> <p>DATE: <u>05/27/25 RATER ID 608</u></p> <p>I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.</p> <p>OWNER/AGENT: _____</p> <p>DATE: _____</p>	<p>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.</p> <div style="text-align: center;"> </div> <p>BUILDING OFFICIAL: _____</p> <p>DATE: _____</p>
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- 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).



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.

**EGI**

William H. Roberts



# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: 340EL30764AMO 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)
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Glass/Floor Area: 0.133	Total Proposed Modified Loads: 76.71	<b>PASS</b>
	Total Baseline Loads: 85.85	

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: <u>Bruce Buase</u>  DATE: <u>05/27/25 RATER ID 608</u>  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: _____
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- 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: 01-08-26 Plan No. 2102-1783F  
 Approved By: SCOTT S. FRANCIS

Scott S. Francis  
 Modular Building Plans Examiner  
 Florida License No. SMP-42