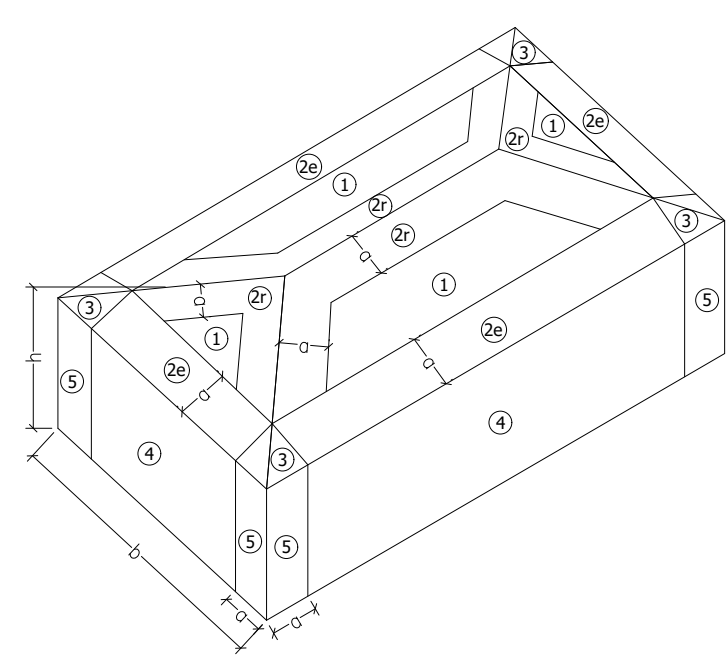


**FLOOR PLAN**  
SCALE: 1/4"=1'-0"

**ROOF SHEATHING NOTES FOR 130 MPH WIND SPEED**

- SHEATHING TO BE 15/32" WOOD STRUCTURAL PANELS WITH A 32/16 SPAN RATING
- NAILS TO BE ROOF SHEATHING RING SHANK (RSRS) 2-3/8" x 0.113" AT 6" ON CENTER THROUGHOUT



HIP ROOF (7° < θ < 45°)

**Notation**  
a = 4' in all cases  
h = Mean roof height, in ft  
θ = Angle of plane of roof from horizontal, in degrees.

**Notes**

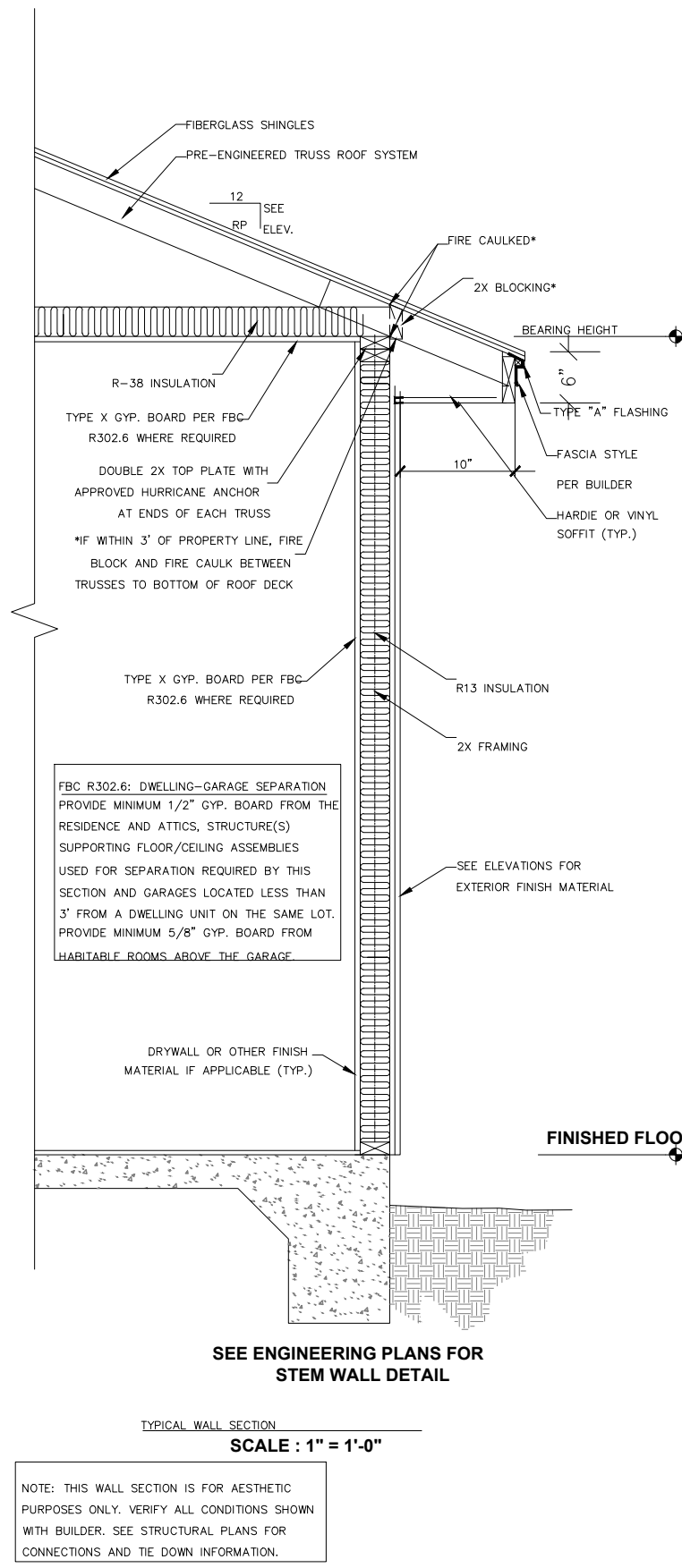
- Pressures shown are applied normal to the surface, and have been adjusted for exposure and mean roof height.
- Plus and minus signs signify pressures acting toward and away from the surfaces, respectively.
- For effective wind areas between those given, values may be interpolated; otherwise use the value associated with the lower effective wind area.

USE AND OCCUPANCY CLASSIFICATION	
R-2	CONSTRUCTION TYPE
III - B	FLOOR AND ROOF LIVE LOADS
UNINHABITABLE ATTICS	20 PSF
HABITABLE ATTICS & BEDROOMS:	30 PSF
ALL OTHER ROOMS:	40 PSF
GARAGE:	40 PSF
ROOFS:	20 PSF
WIND DESIGN DATA	
ULTIMATE WIND SPEED	130 MPH
NOMINAL (BASIC) WIND SPEED	108 MPH
RISK CATEGORY:	II
WIND EXPOSURE:	C
ENCLOSURE CLASSIFICATION:	ENCLOSURE COEFFICIENT: 0.184
INTERNAL PRESSURE COEFFICIENT:	
GEOTECHNICAL INFORMATION	
DESIGN SOIL LOAD-BEARING CAPACITY:	2,000 PSF
FLOOD DESIGN DATA:	
FLOOD ZONE:	X

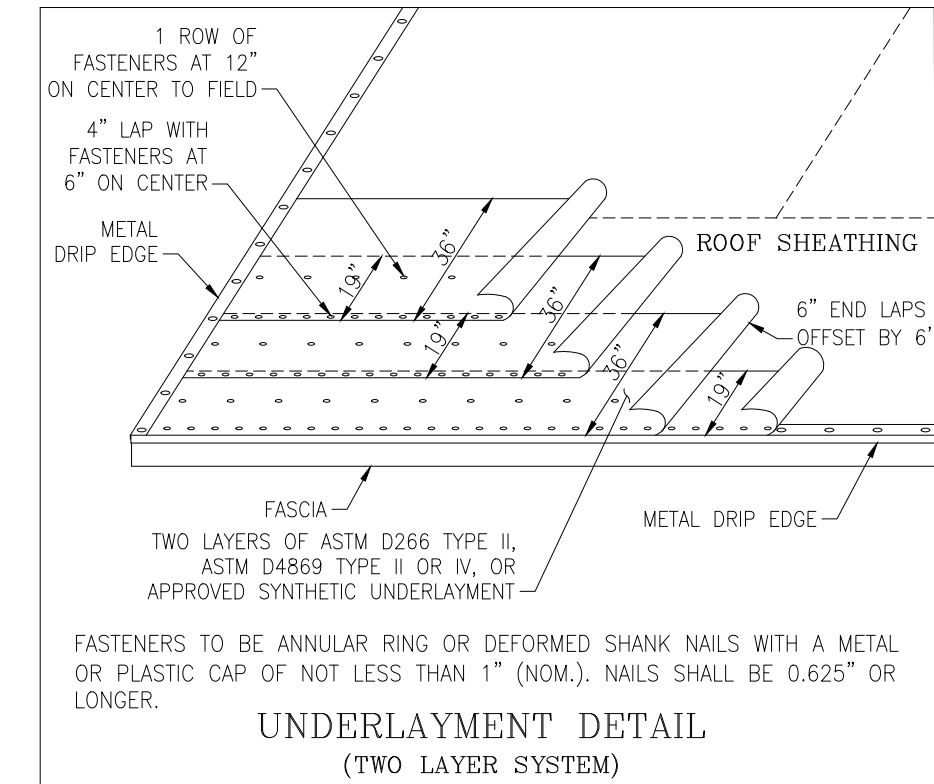
**Component and Cladding Loads (psf)**

ZONE	EFFECTIVE WIND AREA (SQ)	POSITIVE	NEGATIVE
Hip Roof > 20 to 27 degrees	1 10	16.46	-29.52
	1 20	14.16	-26.14
	1 50	12.10	-21.66
	1 100	12.10	-18.27
	2a, 2r, 3 10	16.46	-40.78
Walls	4 100	18.76	-20.69
	4 500	16.46	-18.27
	5 10	22.02	-29.52
	5 20	21.05	-27.59
	5 50	19.72	-24.93
5 100	18.76	-22.99	
5 500	16.46	-18.27	

ADJUSTED PER EXPOSURE AND MEAN ROOF HEIGHT



SEE ENGINEERING PLANS FOR STEM WALL DETAIL



UNDERLAYMENT DETAIL (TWO LAYER SYSTEM)

- MASONRY NOTES**
- ALL FRAMING SHALL BE FABRICATED AND INSTALLED AS PER AITC, TPI AND NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
  - ALL WOOD STRUCTURAL MEMBERS SHALL BE CONTROLLED STRESS GRADE LUMBER HAVING A FIBER STRESS OF AT LEAST 1200 PSI.
  - DOOR AND WINDOW BUICKS ARE TO BE PRESSURE TREATED. BUICKS THICKER THAN 1-1/4" ARE TO BE FASTENED TO MASONRY WITH 1/4" TAPCONS WITH 1-1/4" EMBEDMENT AT 4" FROM EACH END AND 24" ON CENTER MAX. FOR BUICKS THINNER THAN 1-1/2" DOOR OR WINDOW IS TO BE FASTENED TO MASONRY THRU THE BUICK PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  - ALL REINFORCING STEEL SHALL BE PROVIDED WITH A MINIMUM OF 2" OF CONCRETE COVER, EXCEPT BELOW GRADE, WHERE A MINIMUM OF 3" OF CONCRETE COVER SHALL BE PROVIDED. ALL CONCRETE BLOCKS SHALL BE STANDARD WEIGHT BLOCKS CONFORMING TO ASTM C90, GRADE N1 WITH fm=1000 PSI. LAID IN RUNNING BOND WITH TYPE S MORTAR.
  - WHERE SHOWN, CORES OF CONCRETE BLOCK MASONRY SHALL BE FILLED WITH PEA GRAVEL CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. SLUMP SHALL BE EQUAL TO 8-10 INCHES.
  - IN MASONRY HEADERS EXTEND THE BOTTOM STEEL REINFORCEMENT A MINIMUM OF 6 INCHES INTO PLASTER OR POURED COLUMN AND WIRE TIE TO VERTICAL REINFORCEMENT STEEL (REBARS).
  - ALL CONTINUOUS VERTICAL OR HORIZONTAL REBARS IN FOOTINGS, BEAMS AND OTHER CONCRETE SHALL BE SPLICED WHERE NECESSARY OR DESIRABLE BY WIRING TOGETHER IN CONTACT. THE LENGTH OF #5 BAR LAPS SHALL BE A MINIMUM OF 25 INCHES (40 BAR DIAMETERS).
  - ATTACH NON-BEARING INTERIOR WALLS TO FURRING STRIPS W/ (2) #8 NAILS TOP AND BOTTOM.

**GENERAL NOTES**

- THE ENGINEER OF RECORD HAS DESIGNED THIS STRUCTURE IN ACCORDANCE WITH THE FOLLOWING CODES:
  - 2023 FLORIDA BUILDING CODE, BUILDING (8th EDITION)
  - THE WIND LOAD REQUIREMENTS OF ASCE 7
  - THE MASONRY SOCIETY (TMS) 402
  - AWC-WOOD FRAME CONSTRUCTION MANUAL
- THE DETAILS AND NOTES IN THIS PLAN ARE NOT INTENDED TO SUPERSEDE THOSE IN THE ABOVE REFERENCED CODES OR INSTALLATION INSTRUCTIONS FROM THE MANUFACTURER. THEY ARE TO SHOW HOW THE CODE/INSTRUCTIONS WILL BE APPLIED TO THIS DESIGN AND TO PROVIDE CLARITY IN INSTANCES WHEN THE CODE/INSTRUCTIONS DO NOT. WHEN A DETAIL OR NOTE DOES NOT AGREE WITH THE CODES/INSTRUCTIONS FROM THE MANUFACTURER, THE CODE/INSTRUCTIONS SHALL GOVERN.
- ALL COMPONENTS AND MATERIALS ARE TO BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. FAILURE TO FOLLOW THE INSTRUCTIONS WILL RESULT IN A FAILURE OF YOUR INSPECTION. RIDDLE-NEWMAN ENGINEERING WILL NOT ASSUME RESPONSIBILITY FOR ITEMS INSTALLED CONTRARY TO THE MANUFACTURER'S INSTRUCTIONS NOR WILL THEY PROVIDE ALTERNATIVE INSTRUCTIONS THAT ARE CONTRARY TO THOSE PROVIDED BY THE MANUFACTURER.
- ALL CONNECTIONS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.
- CONTRACTOR MAY SUBSTITUTE CONNECTORS OF EQUAL QUALITY, PERFORMANCE AND MATERIAL SPECIFICATIONS AS SHOWN.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
- INTERIOR WALLS ARE NON-SUPPORTIVE UNLESS NOTED OTHERWISE.

SQUARE FOOTAGE	
UNIT 1 CONDITIONED AREA	747
UNIT 1 LANAI	130
UNIT 1 TOTAL	877
UNIT 2 CONDITIONED AREA	969
UNIT 2 LANAI	102
UNIT 2 TOTAL	1071
UNIT 3 CONDITIONED AREA	969
UNIT 3 LANAI	102
UNIT 3 TOTAL	1071
UNIT 4 CONDITIONED AREA	747
UNIT 4 LANAI	130
UNIT 4 TOTAL	877
TOTAL BUILDING AREA	3897

SOFFIT AND FASCIA DETAIL

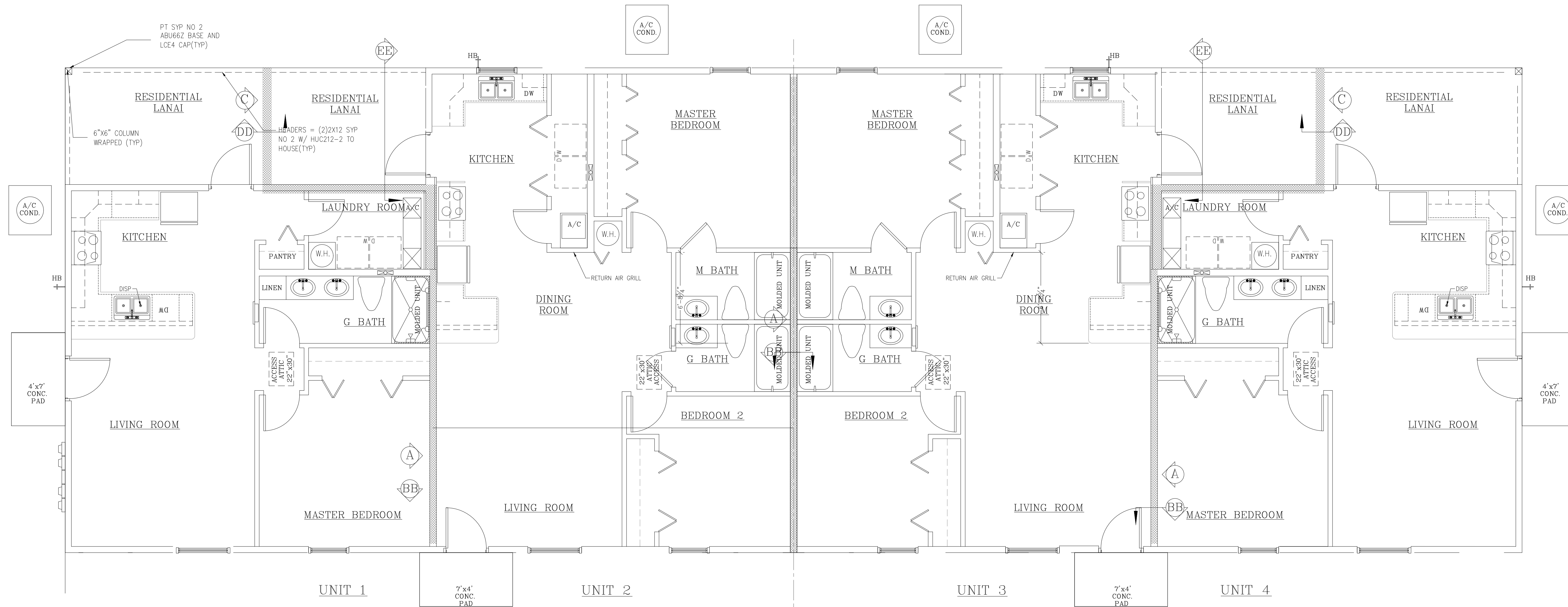
Drafting Firm:  
Elite Drafting & Design, LLC.  
16798 SE 175th Terrace Rd  
Weirsdale, FL 32195  
(352) 821-2448

Building Authority:  
Marion County Building Safety  
Department  
2710 E. Silver Springs Blvd.  
Ocala, FL 34470  
(352) 438-2400

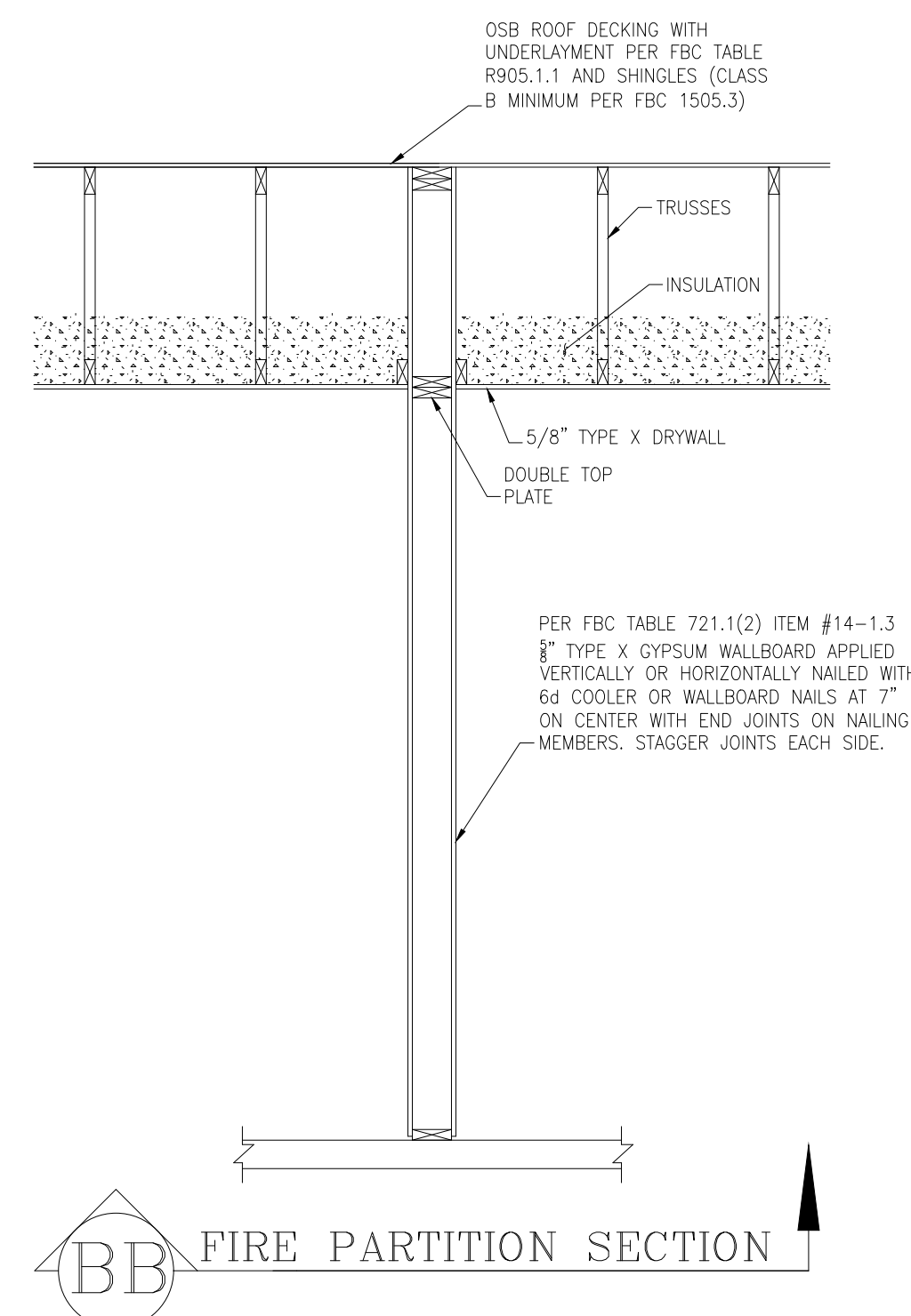
A Project For:  
**Southern Impression Homes**  
3897 Fr 4Plx 1ST 1&2BD  
1&2BA -G

10151 Deerwood Park Blvd, Building  
400, Suite 300, Jacksonville, FL 32256

Drawn by: **EBG** Checked by: **SN**  
Issued Date: **8/15/25** Scale: (U.N.O.)  
Printed Date: **8/15/25** Sheet Number: **###**  
of **6**



**FIRE PARTITIONS PLAN**  
SCALE: 1/4" = 1'-0"



- NOTES**
- 1 HOUR FIRE-RESISTANCE RATED WALL PER FBC TABLE 721.1(2)
  - WALL & CEILING FINISHES TO HAVE A FLAME SPREAD INDEX NO GREATER THAN 200 AND A SMOKE DEVELOPED INDEX OF NO MORE THAN 450
  - ATTIC INSULATION TO BE BLOWN IN FIBERGLASS
  - EXTERIOR WALL INSULATION TO BE FOAM PLASTIC (POLYISO) WITH A FLAME SPREAD INDEX < 75 AND A SMOKE-DEVELOPED INDEX < 450
  - NO OPENINGS IN ROOF WITHIN 4' OF FIRE PARTITION

- FIRE-RESISTANCE-RATED WALL PENETRATION NOTES**
- Through penetrations of fire-resistance-rated walls shall comply with Section 714.4.1.1 or 714.4.1.2 of the FBC, Building.
    - Exception: Where the penetrating items are steel, ferrous or copper pipes, tubes or conduits, the annular space between the penetrating item and the fire-resistance-rated wall is permitted to be protected by either of the following measures:
      - In concrete or masonry walls where the penetrating item is a maximum 6-inch (152 mm) nominal diameter and the area of the opening through the wall does not exceed 144 square inches (0.0929 m<sup>2</sup>), concrete, grout or mortar is permitted where installed the full thickness of the wall or the thickness required to maintain the fire-resistance rating.
      - The material used to fill the annular space shall prevent the passage of flame and hot gases sufficient to ignite cotton waste when subjected to ASTM E119 or UL 263 time-temperature fire conditions under a minimum positive pressure differential of 0.01 inch (2.49 Pa) of water at the location of the penetration for the time period equivalent to the fire-resistance rating of the construction penetrated.
  - Fire-resistance rated wall membrane penetrations shall be listed electrical boxes of any material, provided such boxes have been tested for use in fire-resistance-rated assemblies and are installed in accordance with the instructions included in the listing. The annular space between the wall membrane and the box shall not exceed 1/8 inch (3.2 mm) unless listed otherwise. Such boxes on opposite sides of the wall or partition shall be separated by one of the following:
    - By the horizontal distance specified in the listing of the electrical boxes;
    - By solid fireblocking in accordance with Section 718.2.1;
    - By protecting both boxes with listed putty pads; or
    - By other listed materials and methods.

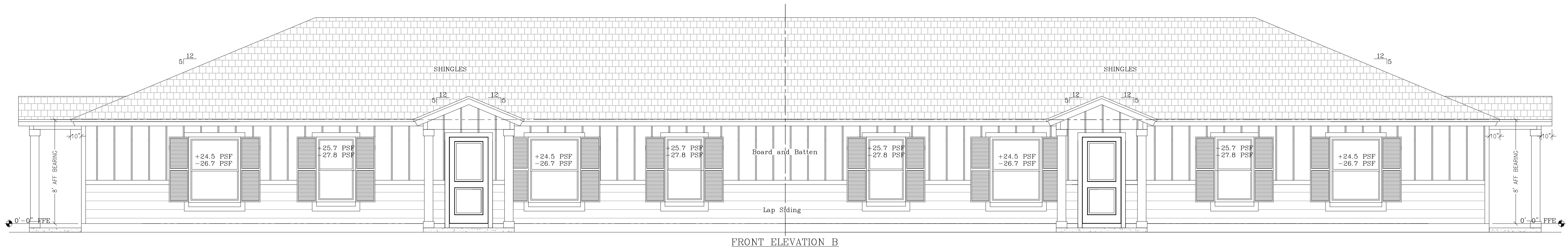
- FIREBLOCKING & DRAFTSTOPPING NOTES**
- FIREBLOCKING SHALL BE OF APPROVED MATERIAL AND SHALL BE LOCATED
    - IN ALL CONCEALED WALL SPACES
      - BETWEEN THE WALL AND ATTIC
      - AT HORIZONTAL INTERVALS NOT EXCEEDING 10'
    - AT ALL CEILING OPENINGS
    - AT CORNICES AT THE DWELLING SEPARATION WALL AND 20' MAXIMUM SPACING
  - DRAFTSTOPPING WITH APPROVED MATERIALS SHALL BE PROVIDED IN ATTICS ABOVE AND IN LINE WITH SLEEPING UNIT AND DWELLING UNIT SEPARATION WALLS THAT DO NOT EXTEND TO THE UNDERSIDE OF THE ROOF SHEATHING.
    - EXCEPTION: IN OCCUPANCY GROUP R-2 THAT DO NOT EXCEED 4 STORIES, THE ATTIC SPACE CAN BE SEPARATED ABOVE EVERY TWO DWELLING UNITS.
  - Batts or Blankets of Mineral Wool or Mineral Fiber
    - Batts or blankets of mineral wool or mineral fiber or other approved nonrigid materials shall be permitted for compliance with the 10-foot (3048 mm) horizontal fireblocking in walls constructed using parallel rows of studs or staggered studs.
  - Unfaced Fiberglass
    - Unfaced fiberglass batt insulation used as fireblocking shall fill the entire cross section of the wall cavity to a minimum height of 16 inches (406 mm) measured vertically. Where piping, conduit or similar obstructions are encountered, the insulation shall be packed tightly around the obstruction.
  - Loose-Fill Insulation Material
    - Loose-fill insulation material, insulating foam sealants and caulk materials shall not be used as a fireblock unless specifically tested in the form and manner intended for use to demonstrate its ability to remain in place and to retard the spread of fire and hot gases.

NFPA 13D COMPLIANT SPRINKLER SYSTEM TO BE INSTALLED IN DWELLINGS

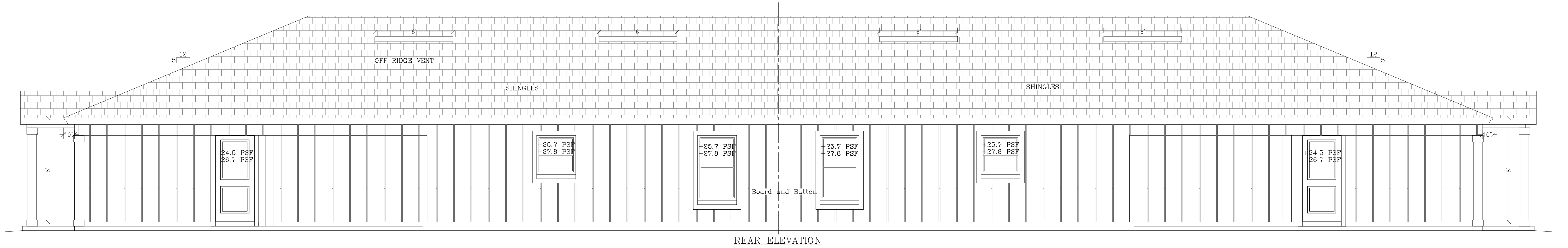
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Elite Drafting & Design, LLC.  
16798 SE 17th Terrace Rd  
Weirsdale, FL 32195  
(352) 821-2448  
Building Authority:  
Marion County Building Safety  
Department  
2710 E. Silver Springs Blvd.  
Ocala, FL 34470  
(352) 438-2400

Project For:  
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3897 Fr 4Plx 1ST 1&2BD  
1&2BA -G  
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Sheet Description  
**A-2.0 Fire Partitions Plan**  
Drawn by: EBG  
Checked by: SN  
Issued Date: 8/15/25  
Scale (U.N.O.): 1/4" = 1'-0"  
Printed Date: 8/15/25  
Sheet Number: 2 of 6



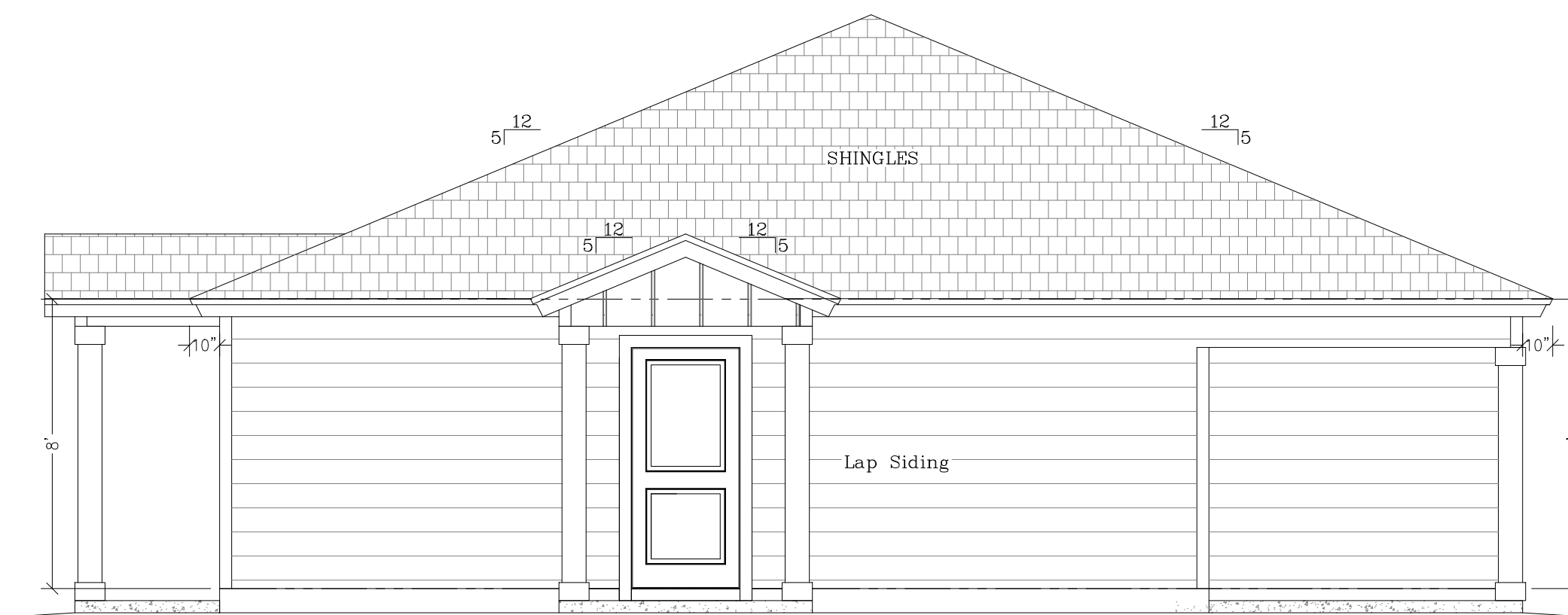
**FRONT ELEVATION**  
SCALE: 1/4"=1'-0"



**REAR ELEVATION**  
SCALE: 1/4"=1'-0"



**LEFT SIDE ELEVATION**  
SCALE: 1/4"=1'-0"



**RIGHT SIDE ELEVATION**  
SCALE: 1/4"=1'-0"

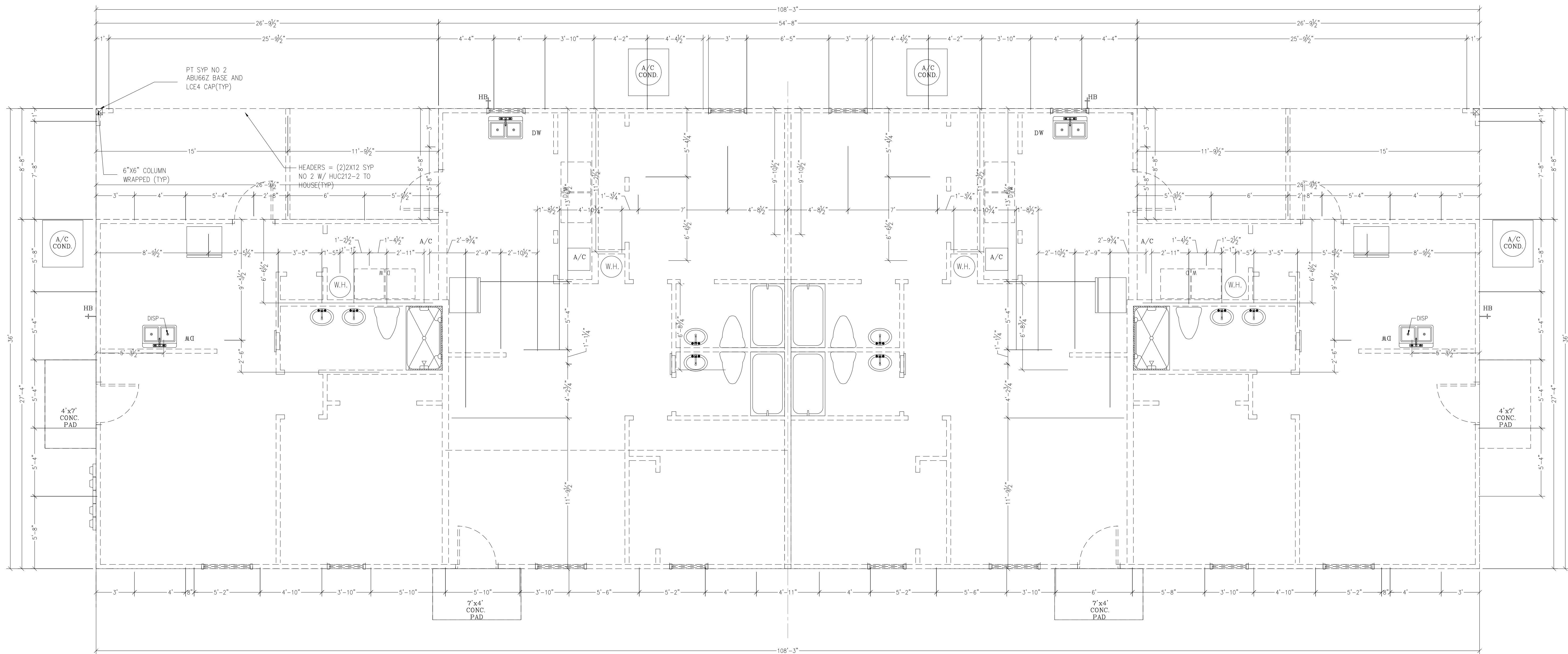
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Elite Drafting & Design, L.L.C.  
16798 SE 175th Terrace Rd  
Weirsdale, FL 32195  
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Sheet Description  
**A-3.0**  
Elevations

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Issued Date: 8/15/25	Scale (U.N.O.): 1/4" = 1'-0"
Printed Date: 8/15/25	Sheet Number: 3 of 6



**FOUNDATION & PLUMBING PLAN**

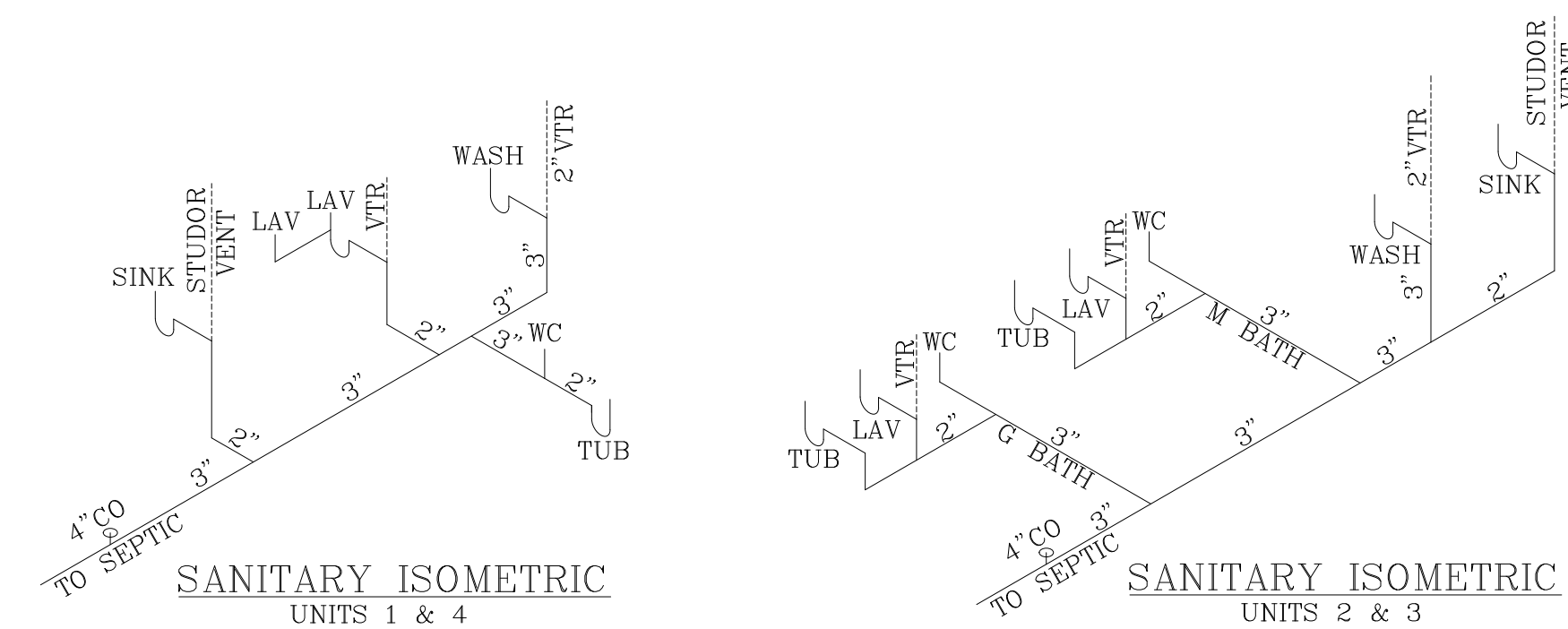
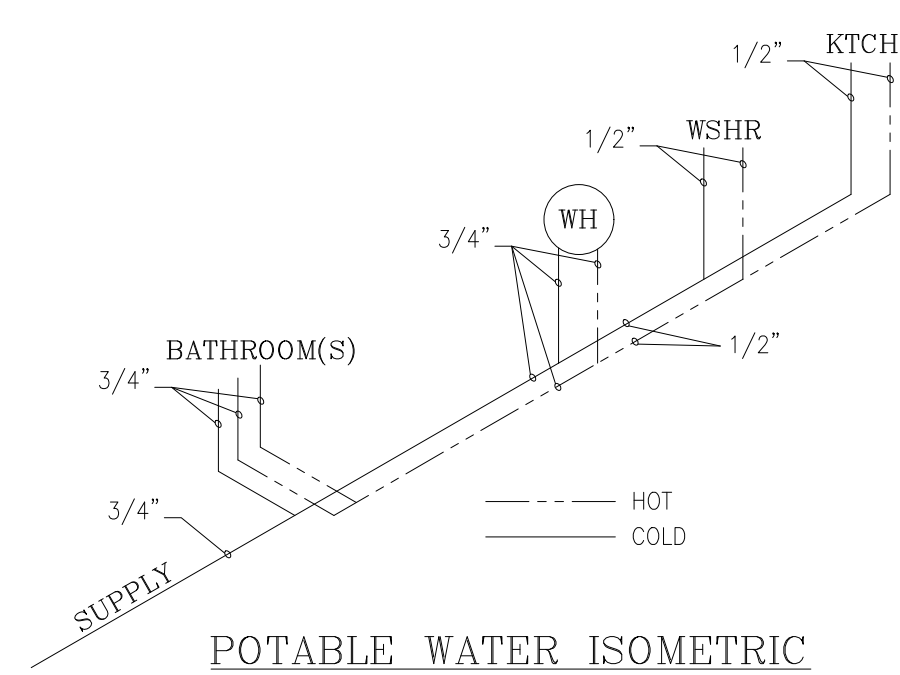
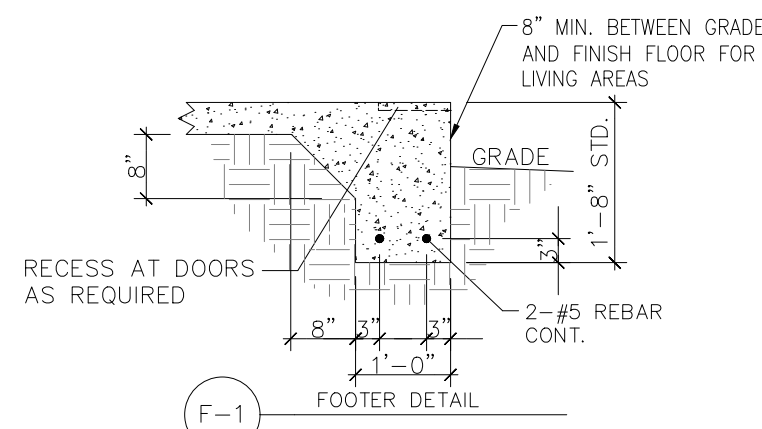
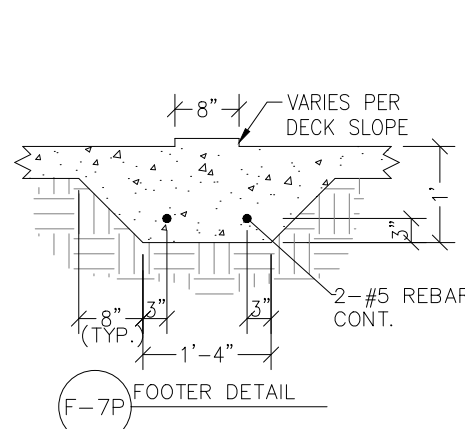
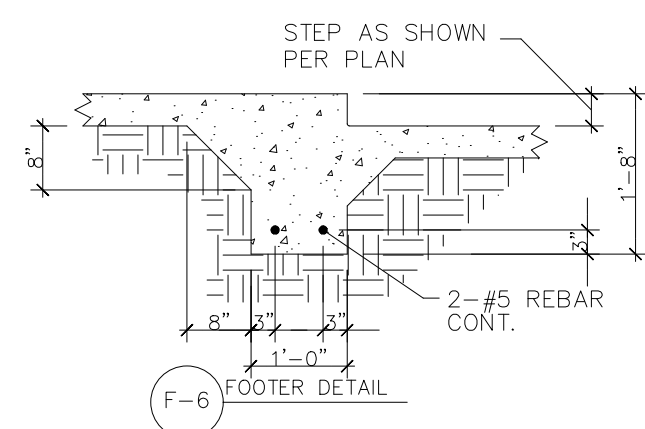
SCALE: 1/4"=1'-0"

**FOUNDATION NOTES**

- ALL REINFORCING STEEL SHALL BE PROVIDED WITH A MINIMUM OF 2" OF CONCRETE COVER, EXCEPT BELOW GRADE, WHERE A MINIMUM OF 3" OF CONCRETE COVER SHALL BE PROVIDED. ALL CONCRETE BLOCKS SHALL BE STANDARD WEIGHT BLOCKS CONFORMING TO ASTM C90, GRADE M1 WITH  $f_m=1000$  PSI, LAID IN RUNNING BOND WITH TYPE S MORTAR. CONCRETE SLABS AND FOOTERS SHALL BE A MINIMUM OF 4" THICK WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI. REINFORCEMENT SHALL BE WIRE MESH OR FIBER MESH. SLABS SHALL BE CAST ON A VAPOR BARRIER. SLABS SHALL BE CAST ON UNDISTURBED SOIL. WHEN POSSIBLE AND ALL IMPORTED FILL FOR THE SLAB SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D1557.
- WHERE SHOWN, CORES OF CONCRETE BLOCK MASONRY SHALL BE FILLED WITH PEA GRAVEL CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. SLUMP SHALL BE EQUAL TO 8-10 INCHES.
- ALL CONTINUOUS VERTICAL OR HORIZONTAL REBARS IN FOOTINGS, BEAMS AND OTHER CONCRETE SHALL BE SPLICED WHERE NECESSARY OR DESIRABLE BY WIRING TOGETHER IN CONTACT. THE LENGTH OF #5 BAR LAPS SHALL BE A MINIMUM OF 25 INCHES (40 BAR DIAMETERS).

**PROTECTION AGAINST TERMITES**

TERMITE PROTECTION TO BE IN ACCORDANCE WITH FBC 1816.1

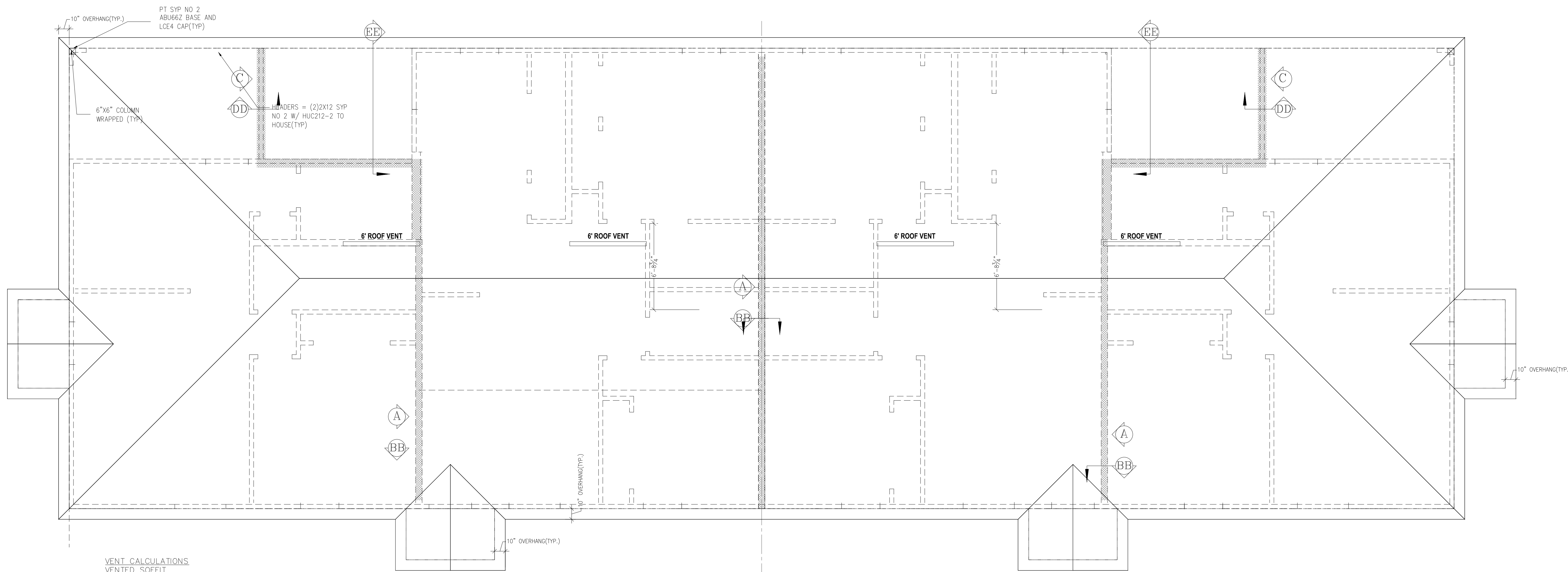


**Southern Impression  
 Homes**

Project For:  
 3897 Fr 4Plx 1ST 1&2BD  
 1&2BA -G  
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**A-40**  
 Foundation & Plumbing Plan

Drawn by: EBG  
 Issued Date: 8/15/25  
 Printed Date: 8/15/25  
 Checked by: SN  
 Scale (I/O): 1/4"=1'-0"  
 Sheet Number: 4 of 6



**VENT CALCULATIONS**  
 VENTED SOFFIT  
 VENTILATED ATTIC AREA: 4002 SQ. FT.  
 $4002 / 300 = 13.34$  SQ. FT.  
 $13.34$  SQ. FT. X  $144 = 1920$  SQ. IN. TOTAL NET FREE VENT AREA  
 $1920 \times 50\% = 960$  SQ. IN. NET FREE SOFFIT REQUIREMENT =  $6.55$  SQ. IN. NET FREE PER LF  
 $960 / 6.55 = 147$  LF VENTED SOFFIT REQUIRED

OFF-RIDGE VENTS  
 VENTILATED ATTIC AREA: 4002 SQ. FT.  
 $4002 / 300 = 13.34$  SQ. FT.  
 $13.34$  SQ. FT. X  $144 = 1920$  SQ. IN. TOTAL NET FREE VENT AREA  
 $1920 \times 50\% = 960$  SQ. IN. NET FREE  
 $1920 \times 40\% = 768$  SQ. IN. NET FREE

AT LEAST 40% PERCENT AND NOT MORE THAN 50% OF THE REQUIRED VENTILATING AREA IS PROVIDED IN UPPER PORTION OF THE ATTIC. THE BALANCE OF THE REQUIRED VENTILATION TO BE PROVIDED BY EAVE OR CORNICE VENTS.

$4 \times 216 = 864$  SQ. IN. NET FREE

$864 / 4002 = 0.449 \sim 45\%$

(4) 6' OFF-RIDGE VENT REQUIRED (6' = 216 SQ. IN. EACH)

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 Elite Drafting & Design, L.L.C.  
 16798 SE 175th Terrace Rd  
 Weirsdale, FL 32195  
 (352) 821-2448

Building Authority:  
 Marion County Building Safety  
 Department  
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 Ocala, FL 34470  
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**Southern Impression Homes**  
 10151 Deerwood Park Blvd, Building 400, Suite 300, Jacksonville, FL 32256

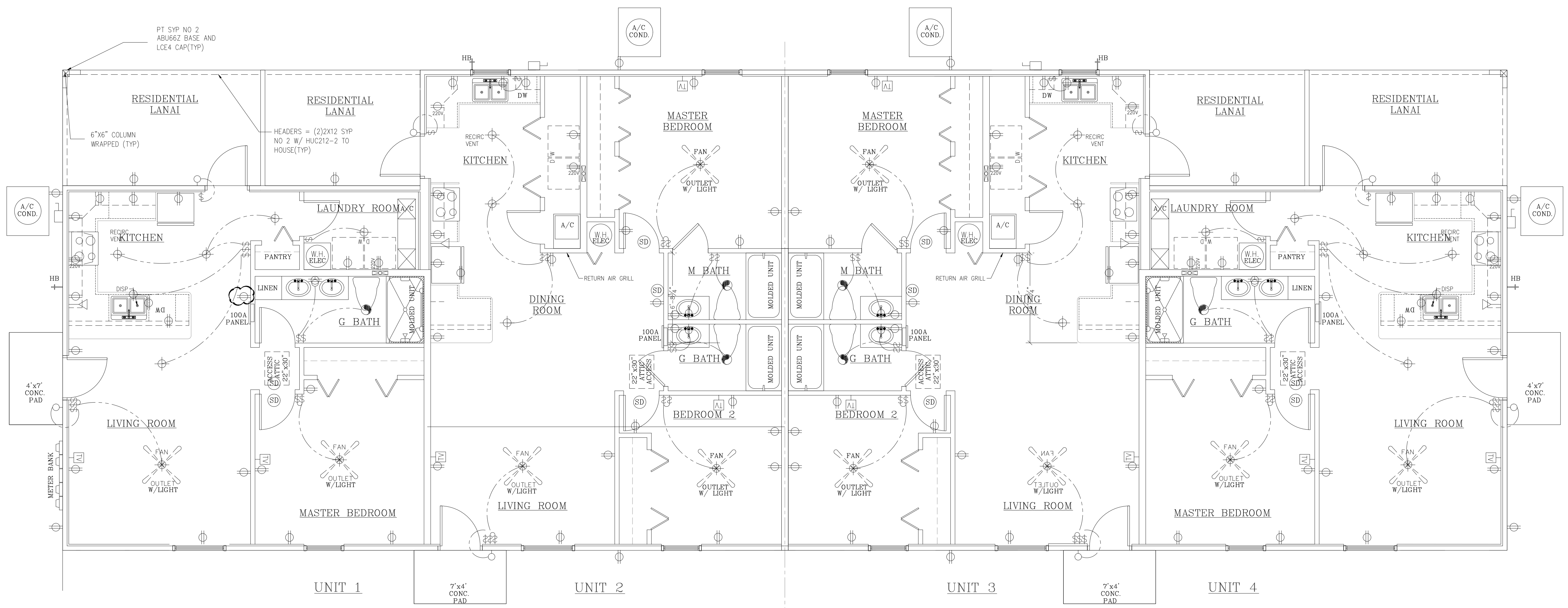
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Sheet Description  
**A-5.0**  
 Truss Plan

Drawn by: EBG  
 Issued Date: 8/15/25  
 Printed Date: 8/15/25

Checked by: SN  
 Scale (U.N.O.): 1/4" = 1'-0"  
 Sheet Number: 5 of 6

**TRUSS NOTE**  
 TRUSSES TO BE HANDLED, ERECTED, TEMPORARILY BRACED, PERMANENTLY BRACED AND LOADED PER THE SICK'S BUILDING COMPONENT SAFETY INFORMATION (BCSI) GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES.



**ELECTRICAL PLAN**  
SCALE: 1/2"=1'-0"

**ELECTRICAL LEGEND**

	DUPLEX OUTLET
	QUAD OUTLET
	1/2 SWITCHED OUTLET
	220V OUTLET
	2-WAY SWITCH
	3-WAY SWITCH
	4-WAY SWITCH*
	DIMMER SWITCH
	RHEOSTAT
	COAX TERMINAL
	PHONE TERMINAL
	DATA TERMINAL
	CEILING MOUNT LIGHT
	MINI SOFFIT LIGHT
	RECESSED LIGHT
	WALL LIGHT
	EXHAUST FAN
	EXHAUST FAN/LIGHT COMBO
	SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR
	SHOP LIGHT
	FAN OUTLET

**NOTE**  
ALL ELECTRIC TO BE INSTALLED PER  
2020 NATIONAL ELECTRIC CODE

**ELECTRIC NOTES**

- DISHWASHER OUTLET TO BE GFCI PROTECTED.
- LIGHTING AND OUTLETS IN LIVING AREAS TO BE ARC FAULT PROTECTED.
- ALL 120V OUTLETS IN LAUNDRY ROOM MUST BE GFCI PROTECTED.
- A COUPLING CANNOT BE PAST THE LAST STRAP OR ABOVE THE ROOF ON AN ELECTRICAL SERVICE RISER.
- UNDERGROUND SERVICE CONDUCTORS CANNOT BE INSTALLED IN CRAWLSPACE.
- A GROUNDED CONDUCTOR (NEUTRAL) IS REQUIRED AT SWITCH LOCATIONS.
- SWITCHES AND RECEPTACLES CANNOT BE INSTALLED WITH DRYWALL SCREWS.
- ALL RECEPTACLES SERVING KITCHEN OR BATHROOM COUNTERTOPS MUST BE GFCI PROTECTED.
- ALL EXTERIOR OUTLETS TO BE WEATHER PROOF AND GFCI PROTECTED.

**STANDARD OUTLET HEIGHTS**

- UNLESS NOTED OTHERWISE, ALL RECEPTACLES TO BE INSTALLED AT HEIGHTS LISTED BELOW AS MEASURED TO THE BOTTOM:
- STANDARD OUTLETS = 14"
  - EXTERIOR OUTLETS = 24" (HORIZONTAL)
  - OUTLETS ABOVE COUNTERTOPS = 42"
  - WASHER OUTLET = 42"
  - DRYER & REFRIGERATOR OUTLETS = 36"
  - SWITCHES = 42"
  - OUTLETS & SWITCHES IN BATHROOM BACK SPLASH = 34" (HORIZONTAL)

**UNITS 1 & 4**

ITEM	WATTS	FACTOR	KVA
GENERAL LIGHTING	877	3	2.631
SMALL APPLIANCE	1,500	2	3,000
LAUNDRY	1,500	1	1,500
RANGE NAME PLATE	9,600	1	9,600
WATER HEATER	4,500	1	4,500
DISHWASHER	1,500	1	1,500
DRYER	5,000	1	5,000
WELL PUMP	1,920	1	1,920
SUB GENERAL LOAD			29,651
1ST 10kva @ 100%			10,000
REMAINING KVA @ 40%			7,860
CALCULATED GENERAL LOAD			17,860
HEAT			5,000
A/C TONS			0
SERVICE SIZE			22,860
VOLTS			240
AMPS			95.3

\*RANGE NAME PLATE AND DRYER PER TABLE 220.19

**UNITS 2 & 3**

ITEM	WATTS	FACTOR	KVA
GENERAL LIGHTING	1,071	3	3,213
SMALL APPLIANCE	1,500	2	3,000
LAUNDRY	1,500	1	1,500
RANGE NAME PLATE	9,600	1	9,600
WATER HEATER	4,500	1	4,500
DISHWASHER	1,500	1	1,500
DRYER	5,000	1	5,000
WELL PUMP	1,920	1	1,920
SUB GENERAL LOAD			30,233
1ST 10kva @ 100%			10,000
REMAINING KVA @ 40%			8,093
CALCULATED GENERAL LOAD			18,093
HEAT			5,000
A/C TONS			0
SERVICE SIZE			23,589
VOLTS			240
AMPS			96.2

\*RANGE NAME PLATE AND DRYER PER TABLE 220.19

