

CITY OF ALBUQUERQUE SEAL

CITY OF ALBUQUERQUE FREE PLANS ACCESSORY DWELLING UNIT (ADU) PREAPPROVED CONSTRUCTION DRAWINGS 650 SQUARE FOOT CASITA

APPLICABLE CODE EDITIONS

- 2024 UNIFORM ADMINISTRATIVE CODE
- 2021 NEW MEXICO RESIDENTIAL BUILDING CODE
- 2021 NEW MEXICO RESIDENTIAL ENERGY CONSERVATION CODE
- 2020 NEW MEXICO ELECTRICAL CODE
- 2021 NEW MEXICO MECHANICAL CODE
- 2021 NEW MEXICO PLUMBING CODE

2021 NEW MEXICO RESIDENTIAL ENERGY CONSERVATION CODE

PRESCRIPTIVE COMPLIANCE METHOD

- FENESTRATION U-FACTOR U-0.30 OR BETTER
- SKYLIGHT U-FACTOR U-0.55 OR BETTER
- CEILING R-VALUE R-49 OR BETTER
- 8" CAVITY CLOSED CELL R-VALUE R-49.6 (8" x R-6.2/INCH)
- 8" CAVITY OPEN CELL R-VALUE R-32.32 (8" x R-4.04/INCH)
- SLAB R-VALUE AND DEPTH R-10 OR BETTER, 24" DEPTH MINIMUM

FLOOR PLAN AREA

HEATED AREA: 650 SF
 PORCH/PATIO AREA: 200 SF
 TOTAL AREA: 850 SF

SHEET INDEX			
NUMBER	PAGE	SHEET TITLE	SHEET CONTENTS
1	G-001	COVER PAGE	PROJECT TITLE, GOVERNING CODES, STRUCTURE AREA, THERMAL ENVELOPE PRESCRIPTIVE COMPLIANCE
2	A-101	FOUNDATION PLAN	FOUNDATION PLAN, TYPICAL WALL SECTION AT COLUMNS, FOOTING SECTIONS
3	A-102	FLOOR PLAN	FLOOR PLAN, FULL SECTION THROUGH PORCH AND EXTERIOR WALL, TYPICAL 3DCP DETAILS
4	A-103	ROOF FRAMING PLAN	ROOF FRAMING PLAN, FULL WALL SECTION, LINTEL HEADER SECTIONS, TYPICAL TIE-DOWN DETAIL
5	A-104	ROOF PLAN AND VENTILATION	ROOFPLAN, VENTILATION CALCULATIONS, VENT LOCATIONS, DESIGN CRITERIA
6	A-105	ELECTRICAL PLAN	POWER PLAN, LIGHTING PLAN, ELECTRICAL LEGENDS
7	A-106	ELEVATIONS	EXTERIOR ELEVATIONS
8	A-107	DATA SHEETS	ENVERGE PROFILL CLOSED CELL AND OPEN CELL SPRAY FOAM INSULATION DATA SHEETS

PRE-APPROVED PLANS
 ACCESSORY DWELLING UNIT

 CITY OF ALBUQUERQUE
 PLANNING DIVISION
 BUILDING SAFETY DIVISION
 600 2ND ST NW
 ALBUQUERQUE, NM 87102
 505-924-3860

No.	Revision/Issue	Date

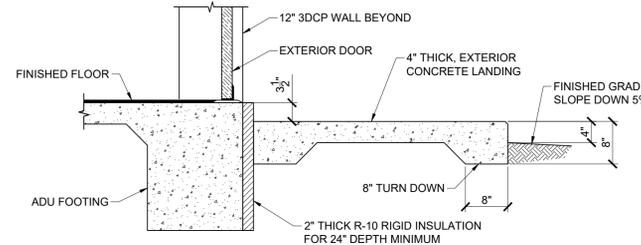
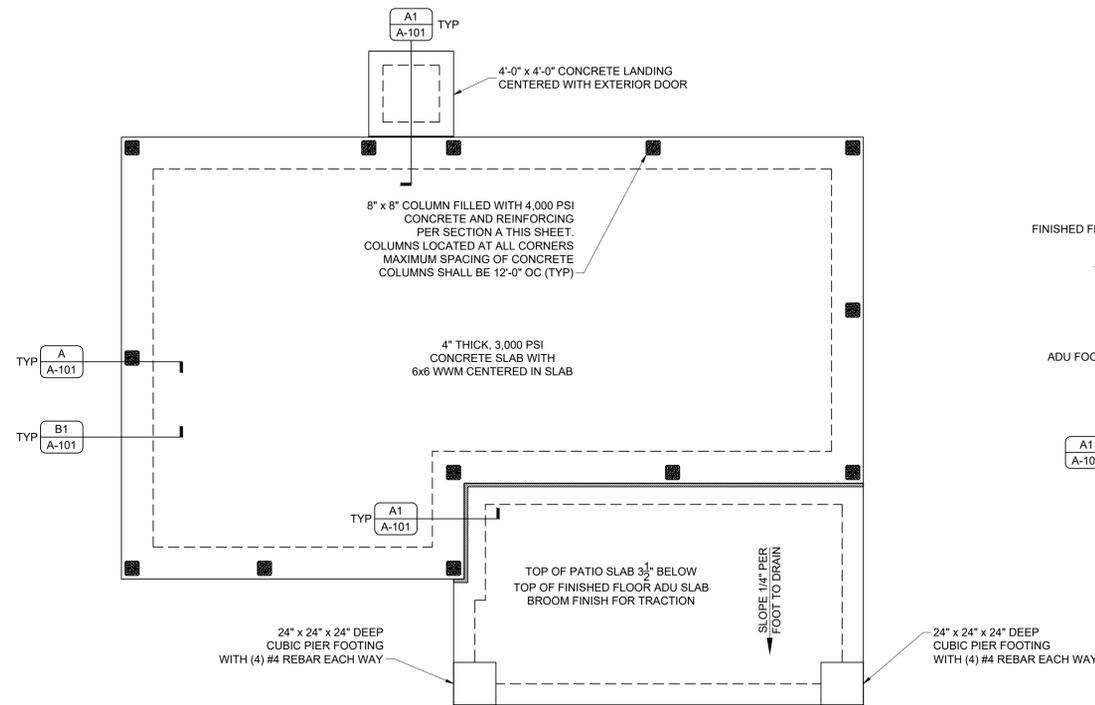
PROJECT NAME:
**3D PRINTED
 650 SF ADU**

SHEET TITLE:
COVER PAGE

DRAWN BY: JWD
 CHECKED BY: AMV
 DATE: 10/17/2025

G-001

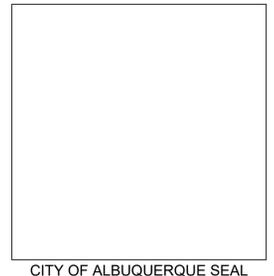
IMPORTANT NOTICE: THIS PLAN SET COMPLIES WITH ALL APPLICABLE TECHNICAL CONSTRUCTION CODES IN THE CITY OF ALBUQUERQUE, NEW MEXICO, IN EFFECT ON THE DATE OF JULY 15, 2025. NO WARRANTY OR REPRESENTATION OF ANY TYPE IS MADE OR INTENDED, IMPLICITLY OR EXPLICITLY, REGARDING COMPLIANCE WITH CODES IN OTHER JURISDICTIONS.



A1 SECTION @ TYPICAL EXTERIOR PORCH
3/4" = 1'-0"

GENERAL FOUNDATION AND CONCRETE NOTES

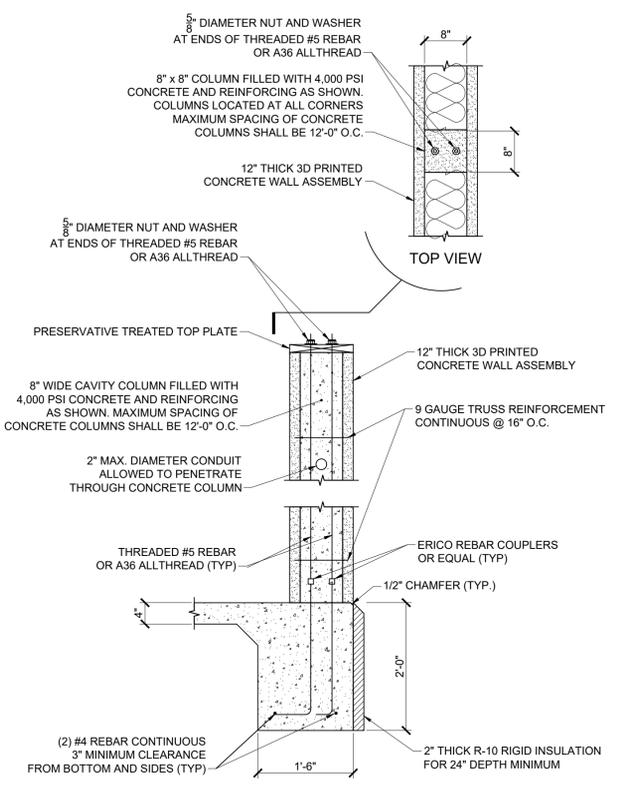
1. ALL CAST-IN-PLACE CONCRETE USED FOR FOUNDATIONS, FOOTINGS, AND SLAB-ON-GRADE CONSTRUCTION SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS, IN ACCORDANCE WITH ACI 318 AND APPLICABLE BUILDING CODES.
2. CONCRETE SLABS SHALL BE A MINIMUM OF 4" THICK AND BE PROVIDED WITH 6x6 10/10 WELDED-WIRE MESH.
3. BROOM FINISH EXTERIOR CONCRETE AT PORCH.
4. ALL FOOTINGS AND THICKENED SLABS SHALL BE PROVIDED WITH (2) #4 REBAR CONTINUOUS, 3" CLEAR WHERE REBAR SPLICES OCCUR, ALL LAP SPLICES SHALL BE A MINIMUM OF 40 REBAR DIAMETERS.
5. STEM WALL ALTERNATE FOOTINGS SHALL BE FULLY GROUTED WITH 1/2" DIAMETER x 10" LONG A36 ANCHOR BOLTS, PROTRUDING A MINIMUM OF 2 1/2" AND EMBEDDED A MINIMUM OF 7".
6. 2" URETHANE RIGID CONTINUOUS INSULATION SHALL BE PROVIDED CONTINUOUSLY, WITHOUT INTERRUPTION, ALONG THE FULL PERIMETER OF THE FOOTING INCLUDING BETWEEN THE ADU SLAB AND PORCH SLAB.
7. INTERIOR LOAD-BEARING AND PLUMBING WALLS SHALL BE CONSTRUCTED USING 2x6 STUDS @ 16" O.C. AND BE PROVIDED WITH A 12" THICKENED SLAB.



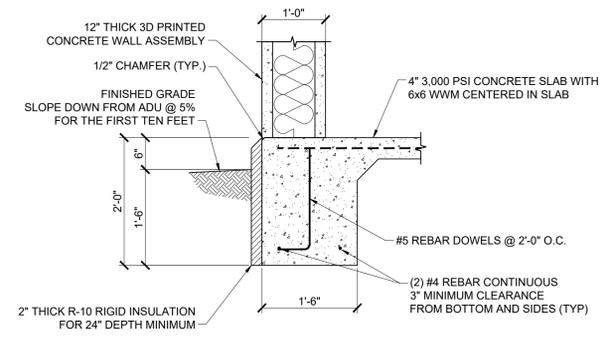
CITY OF ALBUQUERQUE SEAL

FOUNDATION PLAN

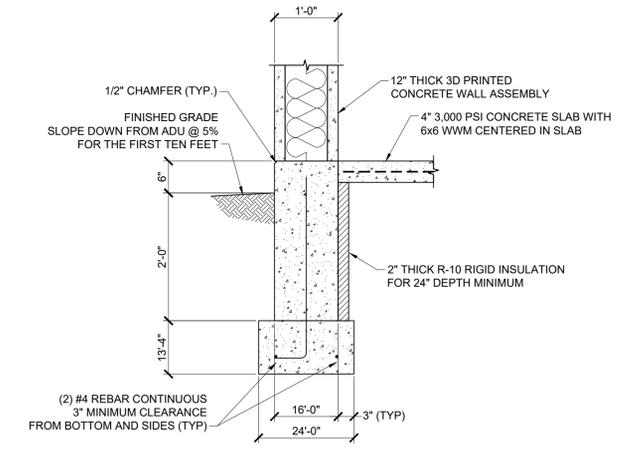
1/4" = 1'-0"



A 3D WALL SECTION @ COLUMN LOCATIONS
3/4" = 1'-0"



B1 TYPICAL MONOLITHIC SLAB AND FOUNDATION DETAIL
3/4" = 1'-0"

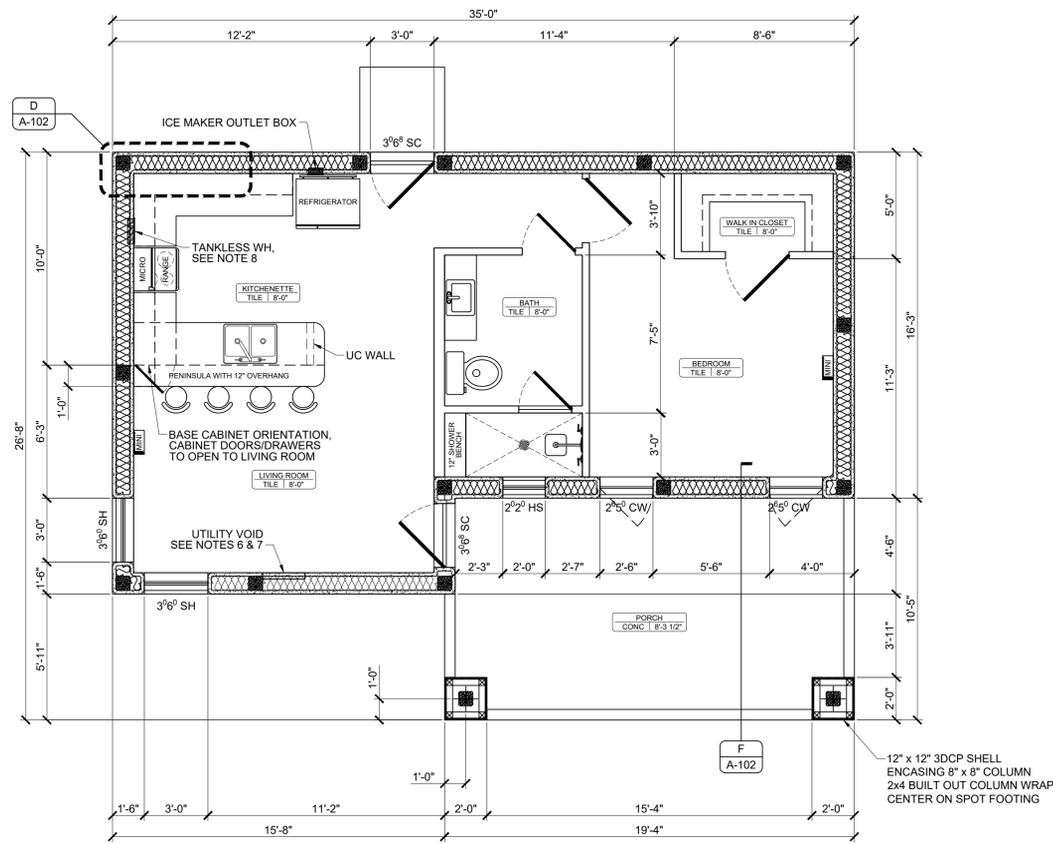


B2 (OPTIONAL) TYPICAL STEMWALL FOUNDATION/SLAB DETAIL
3/4" = 1'-0"

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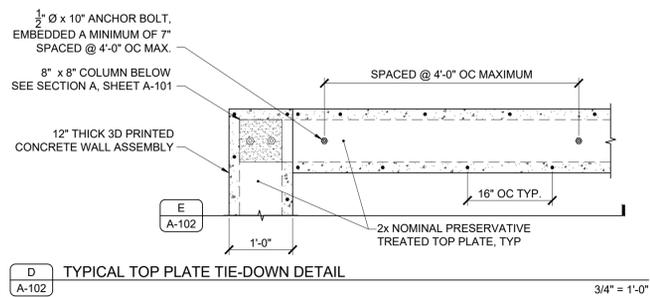
No.	Revision/Issue	Date
PROJECT NAME: 3D PRINTED 650 SF ADU		
SHEET TITLE: FOUNDATION PLAN SECTIONS & DETAILS		
DRAWN BY: JWD		
CHECKED BY: AMV		
DATE: 10/17/2025		

A-101

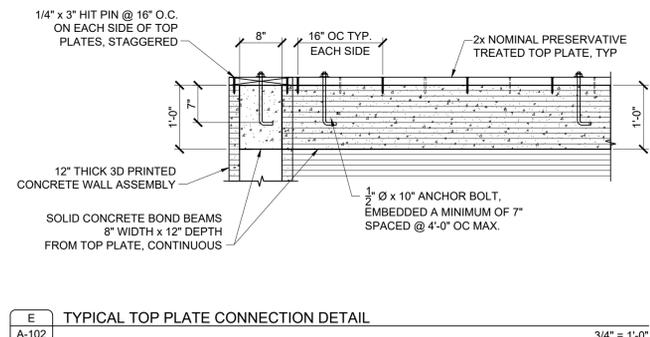


FLOOR PLAN

1/4" = 1'-0"

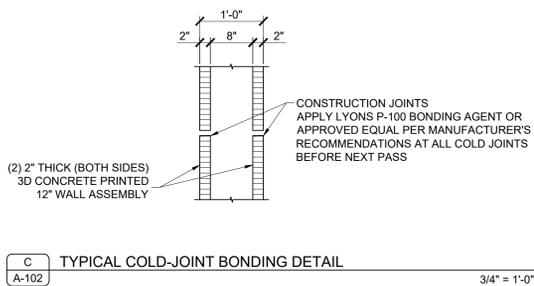


D TYPICAL TOP PLATE TIE-DOWN DETAIL
3/4" = 1'-0"

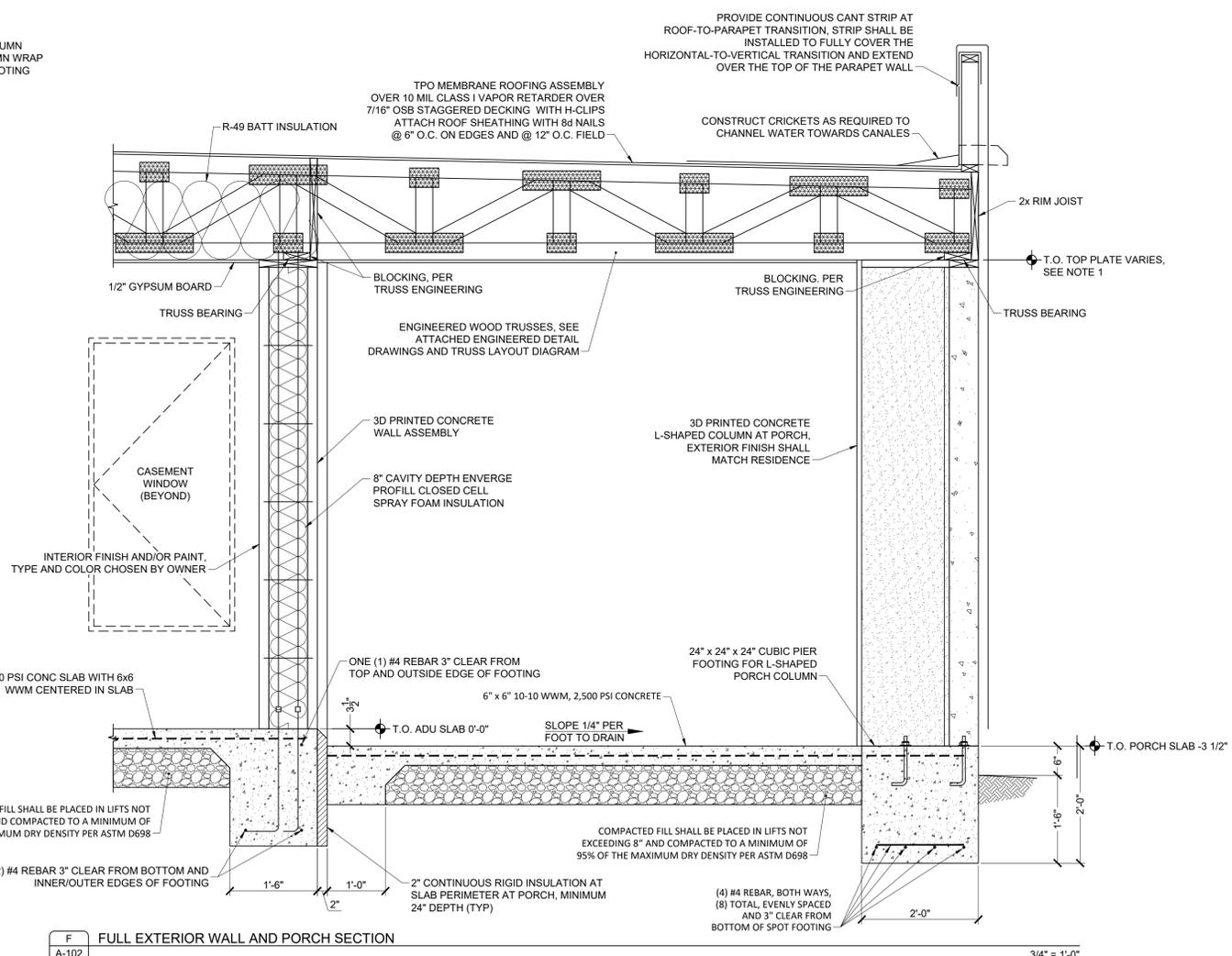


E TYPICAL TOP PLATE CONNECTION DETAIL
3/4" = 1'-0"

LEGEND		
SYMBOL	DESCRIPTION	NOTES
[Symbol]	ICE MAKER OUTLET BOX	SIZE AND RECESS AS REQUIRED
[Symbol]	TANKLESS WATER HEATER	27 Kw, 220 VAC, TANKLESS ELECTRIC DEDICATED 30 A, 220 V BRANCH CIRCUIT MAINTAIN MANUFACTURER'S CLEARANCES
[Symbol]	MINI SPLIT HEAD (2 TOTAL)	WALL-MOUNTED MINI-SPLIT INDOOR UNIT, MOUNT AT 8'-0" AFF ON INTERIOR 3DCP WALL WITH MANUFACTURER'S BRACKET AND 2x8 BLOCKING



C TYPICAL COLD-JOINT BONDING DETAIL
3/4" = 1'-0"



F FULL EXTERIOR WALL AND PORCH SECTION
3/4" = 1'-0"

- GENERAL FLOOR PLAN NOTES
- TOP OF WALL BEARING HEIGHT SHALL REMAIN VARIABLE AND SHALL BE DETERMINED BY THE OWNER PRIOR TO 3D PRINTING. BOTTOM OF HEADER HEIGHT FOR DOORS AND WINDOWS SHALL REMAIN 6'-8" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
 - ALL WINDOWS SHALL BE DOUBLE-PANEL, LOW-E UNITS.
 - FRONT ENTRANCE DOOR SHALL BE EQUIPPED WITH A THRESHOLD, WEATHER-STRIPPING, AND BE CAULKED TO THE CONCRETE.
 - CEILING ASSEMBLY CAVITY SHALL BE PROVIDED WITH A MINIMUM SPACE TO ALLOW THE INSTALLATION OF R-49 BATT INSULATION.
 - OUTDOOR DUCTLESS SPLIT-SYSTEM CONDENSER. THE OUTDOOR CONDENSING UNIT FOR THE DUCTLESS MINI-SPLIT SYSTEM (NOT SHOWN) SHALL BE INSTALLED ON A LEVEL, 4"-THICK CONCRETE PAD ADJACENT TO THE ADU, SIZED AND REINFORCED PER THE MANUFACTURER'S INSTRUCTIONS. PROVIDE VIBRATION-ISOLATION PADS BENEATH THE UNIT, MAINTAIN ALL MANUFACTURER-SPECIFIED CLEARANCES TO BUILDING SURFACES AND VEGETATION, AND LOCATE THE LOCKABLE DISCONNECT WITHIN SIGHT OF THE CONDENSER (2020 NMEC 440.14).
 - ENTERTAINMENT UTILITY VOID. PROVIDE A RECESSED LOW-VOLTAGE ENCLOSURE ("ENTERTAINMENT UTILITY VOID") IN THE LOCATIONS SHOWN. ENCLOSURE DIMENSIONS SHALL BE ADJUSTED IN THE FIELD TO SUIT OWNER-SELECTED DEVICES, INCLUDING BUT NOT LIMITED TO:
 - DATA PORTS (CAT5E/6/6A)
 - TELEPHONE JACKS (RJ-11)
 - CABLE TV JACKS (RG6)
 - SATELLITE JACKS (F-TYPE)
 - ANTENNAE JACKS (F-TYPE)
 - AUDIO/VIDEO JACKS (RCA, BINDING POSTS)
 - HDMI AND DISPLAY PORT CONNECTORS
 - USB-C PORTS
 - 3.5 MM STEREO AUDIO JACKS
 - SPEAKER BINDING POSTS
 - INSTALL A BLANK OR MODULAR FACEPLATE SIZED TO THE FINAL DEVICE COUNT. MOUNT CENTERLINE OF THE FACEPLATE AT 54" AFF BY DEFAULT; FINAL MOUNTING HEIGHT MAY BE MODIFIED PER OWNER'S REQUEST. COORDINATE ENCLOSURE DEPTH, KNOCKOUTS, RACEWAYS, AND FACEPLATE STYLE WITH ARCHITECTURAL AND LOW-VOLTAGE TRADES.
 - INSTALL TANKLESS WATER HEATER IN BASE CABINET. BLOCKOUT REQUIRED VOID FOR INSTALLATION OF TANKLESS WATER HEATER DURING THE 3DCP PROCESS. INSTALL AND PROVIDE UNDER-CABINET CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS.

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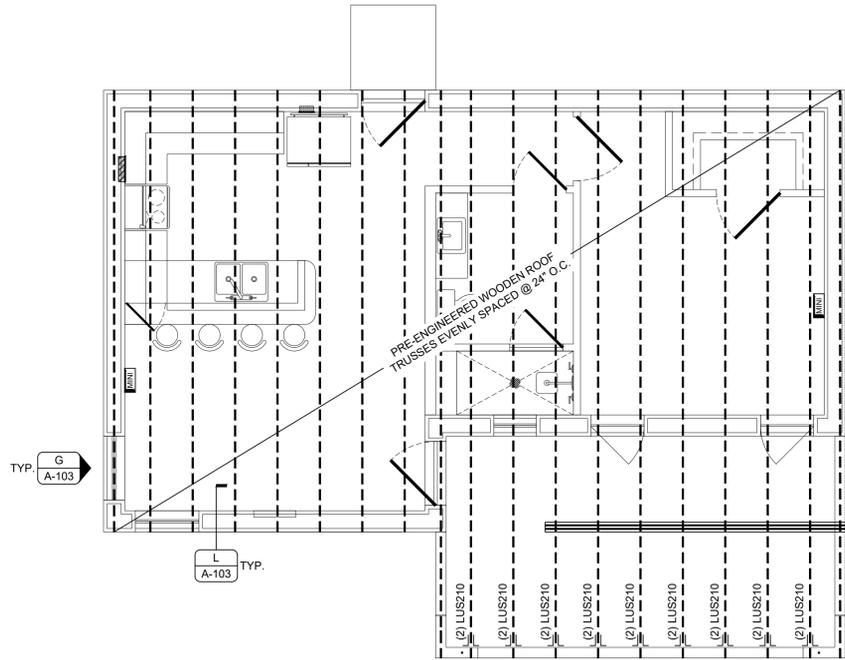
No.	Revision/Issue	Date

PROJECT NAME:
**3D PRINTED
650 SF ADU**

SHEET TITLE:
**FLOOR PLAN
SECTIONS & DETAILS**

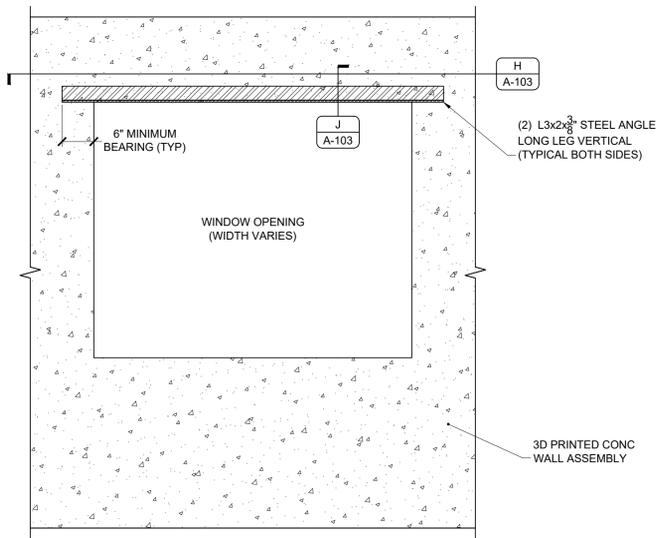
DRAWN BY: JWD
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DATE: 10/17/2025

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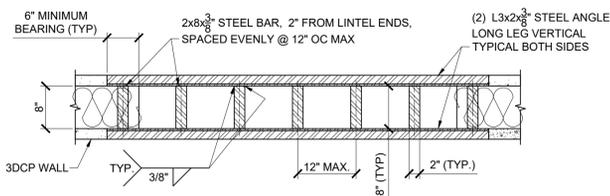
ROOF FRAMING PLAN

1/4" = 1'-0"



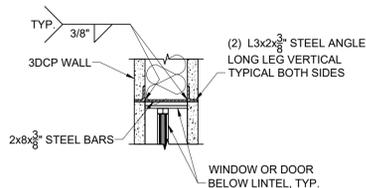
TYPICAL HEADER ELEVATION (WINDOW & DOOR)

3/4" = 1'-0"



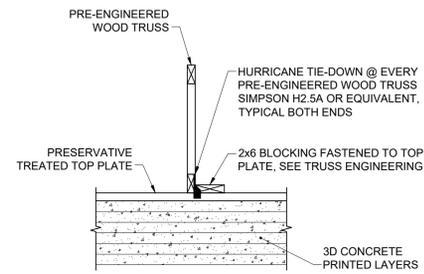
LINTEL HEADER SECTION (PLAN)

3/4" = 1'-0"



LINTEL HEADER SECTION (SIDE)

3/4" = 1'-0"

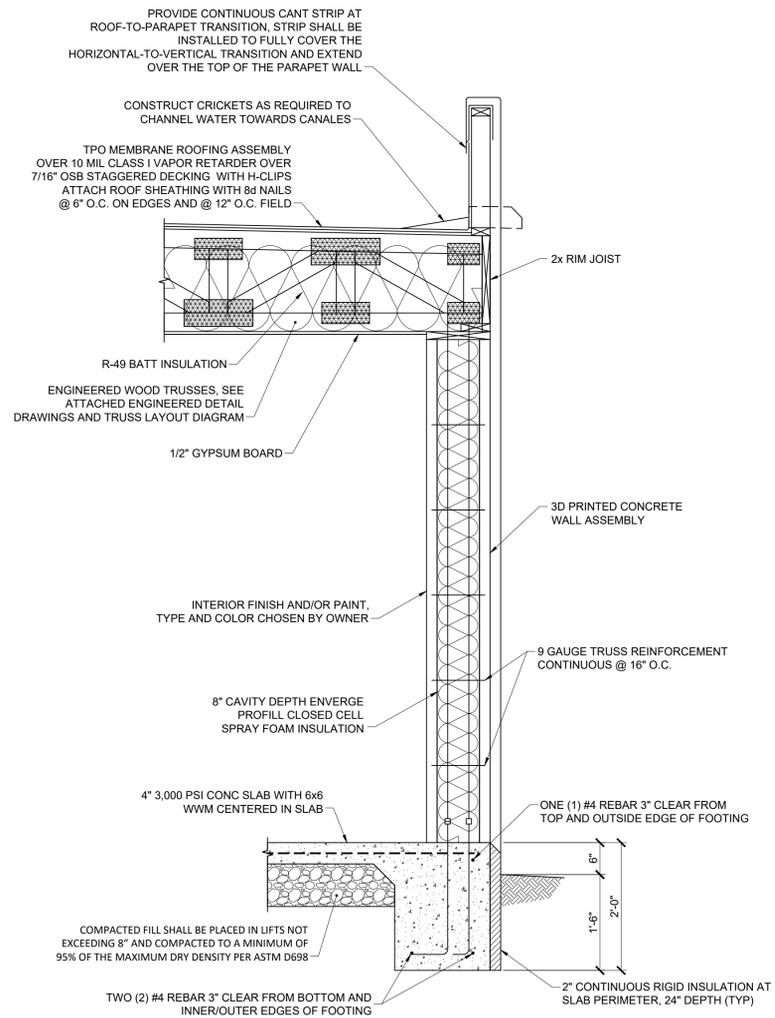


TYPICAL HURRICANE TIE-DOWN DETAIL

3/4" = 1'-0"

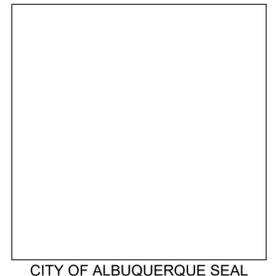
GENERAL FRAMING NOTES

1. INTERIOR NON-BEARING WALLS SHALL BE CONSTRUCTED USING 2x4 STUDS @ 16" O.C.
2. INTERIOR LOAD-BEARING AND PLUMBING WALLS SHALL BE CONSTRUCTED USING 2x6 STUDS @ 16" O.C. AND BE PROVIDED WITH A 12" THICKENED SLAB.
3. ALL DOOR AND WINDOW HEADER HEIGHTS SHALL BE 6'-8" UNLESS OTHERWISE NOTED.
4. ROOF SHEATHING SHALL BE CONSTRUCTED USING 7/16" OSB WITH STAGGERED JOINTS & H-CLIPS AND PROVIDED WITH A 6 MIL POLY-VAPOR BARRIER, STAGGER ALL JOINTS.
5. ENGINEERED TRUSS DRAWINGS AND TRUSS LAYOUT DIAGRAMS FOR THIS PARTICULAR ADU SHALL BE OBTAINED AND SUBMITTED TO THE CITY OF ALBUQUERQUE PRIOR TO PERMIT APPROVAL. PROVIDE A BLOCKOUT IN THE CONCRETE WALL ASSEMBLY AT THE ELECTRICAL PANEL LOCATION DURING PRINTING.
6. MICROLAM AT PORCH SHALL BE NAILED @ 12" O.C. WITH (4) #10 NAILS.



FULL EXTERIOR WALL SECTION

3/4" = 1'-0"



CITY OF ALBUQUERQUE SEAL

PRE-APPROVED PLANS
ACCESSORY DWELLING UNIT

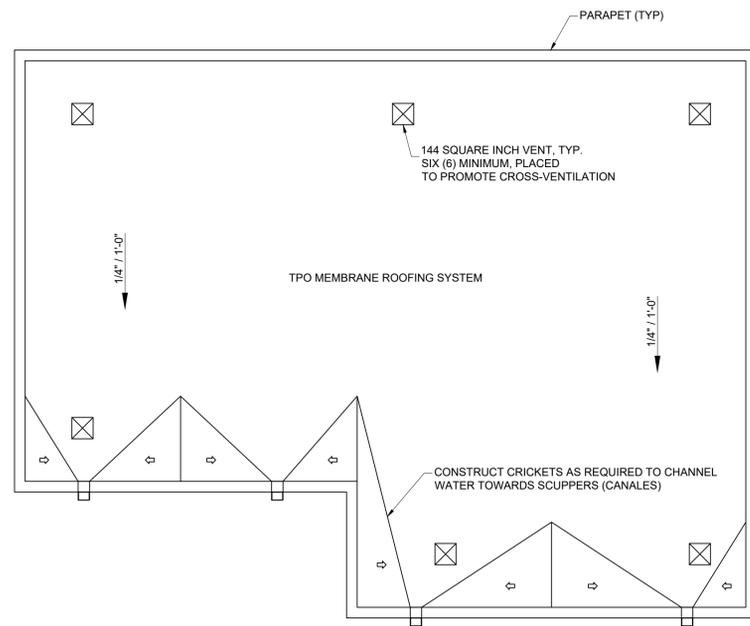
CITY OF ALBUQUERQUE
PLANNING DIVISION
BUILDING SAFETY DIVISION
600 2ND ST NW
ALBUQUERQUE, NM 87102
505-924-3860

No.	Revision/Issue	Date
PROJECT NAME: 3D PRINTED 650 SF ADU		
SHEET TITLE: ROOF FRAMING PLAN		
DRAWN BY: JWD		
CHECKED BY: AMV		
DATE: 10/17/2025		

A-103

GENERAL ROOF NOTES

- ROOFTOP VENTS TO BE PLACED TO ACHIEVE BALANCED, THROUGH-AND-THROUGH AIRFLOW.



VENTILATION DEVICE LEGEND		
SYMBOL	DEVICE TYPE	DEVICE NOTES
☒	144 SQUARE INCH VENT	CROSS-VENTILATION

VENTING				
MASS	TOTAL AREA	PITCHED OR FLAT	VENTING REQUIRED (SQUARE INCHES)	VENTING PROVIDED (SQUARE INCHES)
#1	850 SF	FLAT	816.00	864.00

VENTING CALCULATIONS

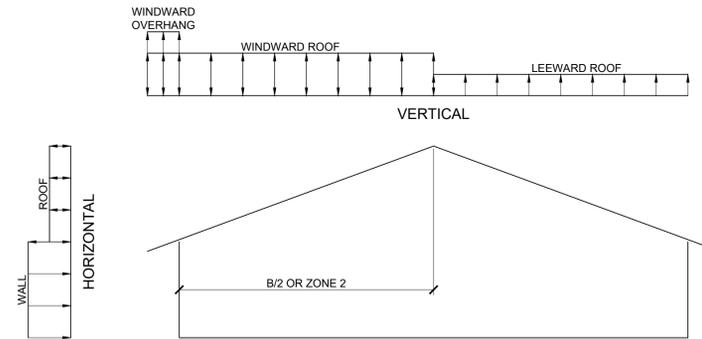
REQUIRED VENTING (SQUARE FEET) = (MASS AREA) / 150
 = 850 SF / 150 = 5.7 SQUARE FEET

CONVERT TO SQUARE INCHES = 5.7 SF x 144 = 816.00 SQUARE INCHES

SIX (6) VENTS PROVIDED
 144 SQUARE INCHES PER VENT
 144 SQUARE INCHES x 6 = 864 SQUARE INCHES OF VENTILATION PROVIDED

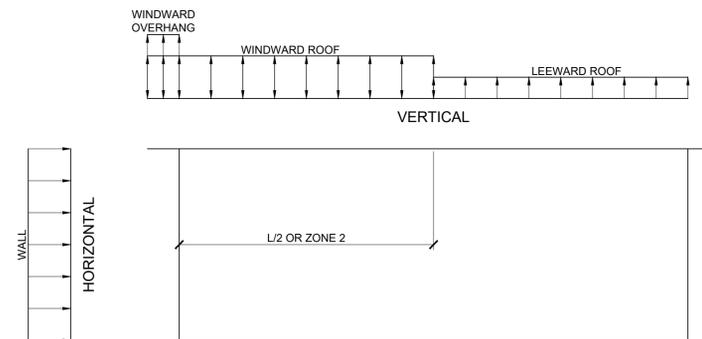
ROOF DRAINAGE AND VENTILATION PLAN

1/4" = 1'-0"



TRANSVERSE ELEVATION

NOT TO SCALE



LONGITUDINAL ELEVATION

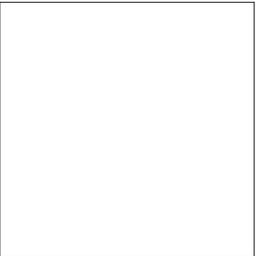
NOT TO SCALE

DESIGN CRITERIA ASCE 7-16	
ULTIMATE WIND SPEED	120 MPH
NOMINAL WIND SPEED	93 MPH
RISK CATEGORY	IV
EXPOSURE CATEGORY	C
ENCLOSURE CLASSIFICATION	ENCLOSED BUILDING
INTERNAL PRESSURE	+/- 0.18
DIRECTIONALITY (Kd)	0.85
Kh CASE 1	0.849
Kh CASE 2	0.849
TYPE OF ROOF	MONOSLOPE

HORIZONTAL MWFRS SIMPLE DIAPHRAGM PRESSURES (PSF)		
TRANSVERSE DIRECTION (NORMAL TO L)		
INTERIOR ZONE	WALL	18.4 PSF
	ROOF	** -8.5 PSF
END ZONE	WALL	27.7 PSF
	ROOF	** -14.4 PSF
LONGITUDINAL DIRECTION (PARALLEL TO L)		
INTERIOR ZONE	WALL	18.4 PSF
END ZONE	WALL	27.7 PSF

** NOTE: TOTAL HORIZONTAL FORCE SHALL NOT BE LESS THAN THAT DETERMINED BY NEGLECTING ROOF FORCES (EXCEPT FOR MWFRS MOMENT FRAMES).

THE CODE REQUIRES THE MWFRS BE DESIGNED FOR A MINIMUM ULTIMATE FORCE OF 16 PSF MULTIPLIED BY THE WALL AREA PLUS 8.0 PSF FORCE APPLIED TO THE VERTICAL PROJECTION OF THE ROOF.



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No.	Revision/Issue	Date

PROJECT NAME:
**3D PRINTED
 650 SF ADU**

SHEET TITLE:
**ROOF PLAN AND
 VENTILATION**

DRAWN BY: JWD

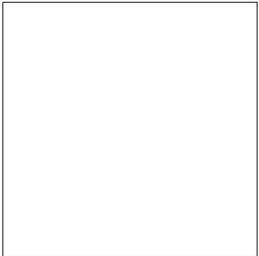
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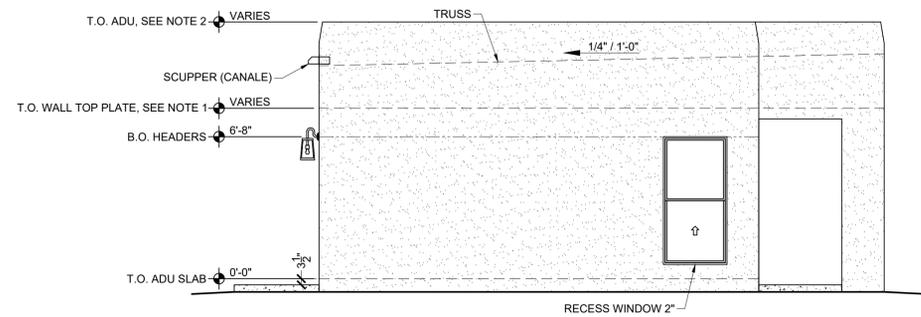
A-105

GENERAL ELEVATION NOTES

1. TOP OF WALL BEARING HEIGHT SHALL REMAIN VARIABLE AND SHALL BE DETERMINED BY THE OWNER PRIOR TO 3D PRINTING. BOTTOM OF HEADER HEIGHT FOR DOORS AND WINDOWS SHALL REMAIN 6'-8" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. SEE PLATE HEIGHT TABLE FOR TOP PLATE HEIGHTS AND OVERALL ADU HEIGHTS.
2. OVERALL HEIGHT OF THE ADU SHALL COINCIDE WITH THE INTERIOR CEILING HEIGHT CHOSEN BY THE OWNER. SEE PLATE HEIGHT TABLE FOR TOP PLATE HEIGHTS AND OVERALL ADU HEIGHTS.

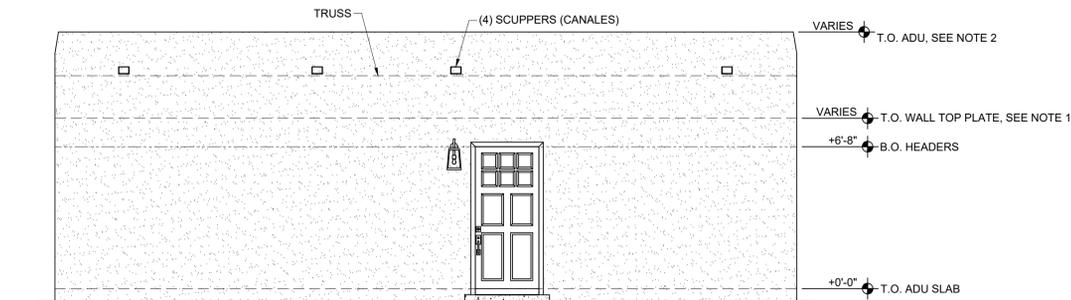


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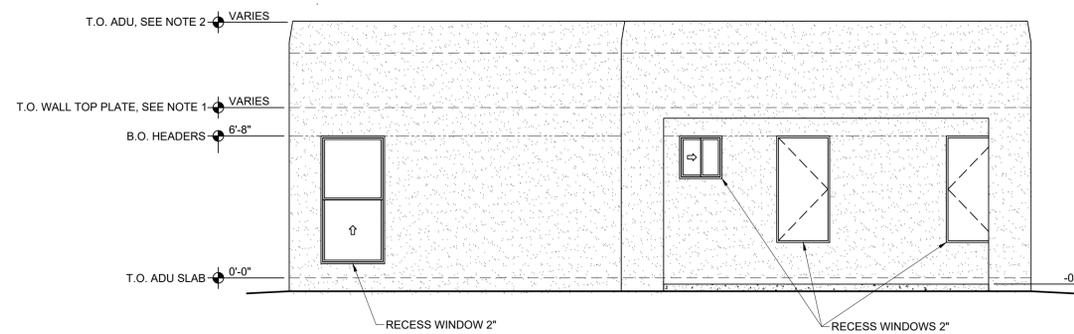
LEFT SIDE ELEVATION

1/4" = 1'-0"



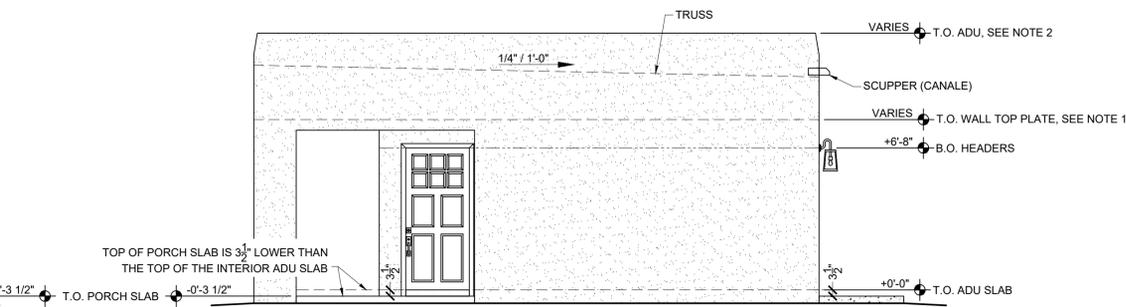
REAR ELEVATION

1/4" = 1'-0"



FRONT ELEVATION

1/4" = 1'-0"



RIGHT SIDE ELEVATION

1/4" = 1'-0"

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No.	Revision/Issue	Date

PROJECT NAME:
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SHEET TITLE:
EXTERIOR
ELEVATIONS
DRAWN BY: JWD
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PRODUCT USAGE

Enverge® ProFill Closed Cell Spray Foam System is a fire rated 2 component Low GWP liquid pour foam for general use in cavity fill applications. It is co-blown with HFO and water and cures to a medium density rigid polyurethane closed cell foam.

PHYSICAL PROPERTIES

Property	Test Method	Value
NOMINAL DENSITY POURED IN PLACE	ASTM D-1622	1.9 - 2.1 LBS/FT ³
R-VALUE (AGED)	ASTM C-518 (75°FMEAN)	R-6.2 @ 1"
COMPRESSIVE STRENGTH: PARALLEL TO RISE	ASTM D-1621	38 PSI
COMPRESSIVE STRENGTH: PERPENDICULAR TO RISE	ASTM D-1621	22 PSI
DIMENSIONAL STABILITY 28 DAYS	ASTM D-2126	2.2% VOLUME CHANGE
SURFACE BURN CHARACTERISTICS	ASTM E-84	FLAME SPREAD: 5 SMOKE DENSITY: 300
VISCOSITY	ASTM D-2196	180 - 200 CPS 550 - 650 CPS
SPECIFIC GRAVITY	ASTM D-1638	1.23 S.G. 1.10 S.G.

*Calculated from 4" thick sample

These values are typical. However values will vary and should not be considered part of the product specifications. It is imperative that the trained applicator read and understand this technical data sheet and SDS to process the material correctly and understand environmental and equipment limitations.

SURFACE BURNING CHARACTERISTICS

Enverge ProFill spray foam is an ASTM E-84 (NFPA 255, UL723) class 1 (class A) spray foam insulation.

- Flame Spread Index: <25
- Smoke Developed Index: <450
- Thickness: 4"

These numerical flame spread values are not a true reflection of how this or any material will perform in actual fire conditions.

ENVERGESPRAYFOAM.COM



STORAGE AND SHELF LIFE

Store drums at 50°F to 80°F (10°C to 27°C) for optimal shelf life. Excessively high temperatures may reduce shelf life. Cold or very hot chemicals can cause pump cavitation and, therefore, incorrect metering. Store material at 70°F to 90°F (21°C to 32°C) for 48 hours prior to application of the product.

- A COMPONENT - 12 MONTHS
- B COMPONENT - 6 MONTHS

MATERIAL TEMPERATURE

- Storage recommendations for maximum shelf life:
 - Temperature 60°F to 80°F (16°C to 27°C)
 - Humidity <85% do not allow material to freeze.
- For best results, the resin and iso components should be at 60°F to 80°F (16°C to 27°C); prior to use.

SERVICE TEMPERATURES

Enverge ProFill spray foam insulation is designed to be used in ambient temperatures from -40°F to 180°F, 220°F (-40°C to 82°C, 104°C) intermittent. It is strongly recommended that test sprays be conducted before installation for use in extreme temperatures.

SAFETY AND HANDLING INFORMATION

It is critical to read and become familiar with the safety data sheets prior to working with Enverge ProFill spray foam liquid components. During application, respiratory protection is required for the applicator, assistant, or bystanders. For more information consult safety data sheets, www.EnvergeSprayFoam.com or www.spraypolyurethane.org

INDOOR AIR QUALITY

Enverge ProFill is a low VOC emitting material in compliance with the California Department of Public Health (CDPH) standard 01350. This program demands strict certification criteria and considers safety factors to account for sensitive individuals (such as children and the elderly), and ensures that a product is acceptable for use in environments such as schools and healthcare facilities. It is referenced by both the Collaborative for High Performance Schools (CHPS) and the Leadership in Energy and Environmental Design (LEED) Building Rating System.

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THERMAL BARRIERS

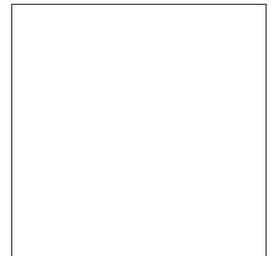
Enverge ProFill spray foam must be separated from the interior of the building (occupied space) by an approved 15 minute thermal barrier such as 0.5" inch gypsum board or other equivalent material. Exceptions for the thermal barrier are allowed; for example, sprayfoam application in attics and crawlspaces with limited access. Consult local building codes for requirements and restrictions.

VAPOR RETARDER

Enverge ProFill meets the requirement of one perm or less to qualify as a Class III vapor retarder, per the International Code Council and ASHRAE when installed at 2" (50.8 mm) in depth.

The descriptions, data, designs, and information contained herein are presented in good faith and believed to be accurate. This information is provided for guidance ONLY. Many factors will affect the processing or application of Enverge products. It is necessary that you make tests to determine ultimate suitability for Enverge products for your particular application. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described, data, or designs presented. In no case shall the descriptions, information, data, or designs provided be considered a part of our terms and conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. You expressly agree to release Holcim Solutions and Products US, LLC from liability in tort or contract based on the technical information provided. All such information is accepted at your own risk.

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CITY OF ALBUQUERQUE SEAL

PRODUCT USAGE

Enverge ProFill spray foam insulation is a spray-applied, two component, open cell polyurethane foam insulation system. It's low expansion pressure makes it the best choice for retrofit applications as well part of the Enverge ProFill OC system for use in new construction.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Value
Apparent Density	ASTM D-1622	0.55 lbs/ft ³ (nominal)
R-Value (aged)	ASTMC-518 (75°FMEAN)	R-4.04 @ 1" / R-13.8 @ 3.5"
Tensile Strength	ASTM D-1623	3.1 psi
Open Cell Content	ASTM D-6226	> 90% (vol.)
Air Permeance @75pa	ASTM E-283	0.012 L/S-M2 @ 3.5"
Water Vapor Permeance	ASTM E-96	14 perm-in
Fungi Resistance	ASTM C-1338	Zero rating
Dimensional Stability, +158°F & 100%RH	ASTM D-2126	6% max linear change
Renewable Content	ASTM D-6866	8.9% Change
VOC Emissions	UL GreenGuard UL GreenGuard Gold	PASS PASS
Critical Radiant Heat Flux	NFPA 970	>0.12 W/cm2
Vertical and Lateral Flame Propagation	NFPA 285	PASS
Hot Surface Performance	ASTM C-411	PASS
Sound Transmission Coefficient	ASTM-E90	Wall 1 - STC 42 Wall 2 - STC 46 Wall 3 - STC 48 Wall 4 - STC 54
Noise Reduction Coefficient	ASTM C-423	NRC 0.65
Viscosity	ASTM D-2196	200 +/- 50 cps 100 +/- 20 cps

*Calculated from 4" thick sample

These values are typical. However values will vary and should not be considered part of the product specifications. It is imperative that the trained applicator read and understand this technical data sheet and SDS to process the material correctly and understand environmental and equipment limitations.

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SURFACE BURNING CHARACTERISTICS

Enverge ProFill spray foam is an ASTM E-84 (NFPA 255, UL723) class 1 (class A) spray foam insulation.

- Flame Spread Index: <25
- Smoke Developed Index: <450
- Thickness: 4"

These numerical flame spread values are not a true reflection of how this or any material will perform in actual fire conditions.

STORAGE AND SHELF LIFE

Store drums at 50°F to 80°F (10°C to 27°C) for optimal shelf life. Excessively high temperatures may reduce shelf life. Cold or very hot chemicals can cause pump cavitation and, therefore, incorrect metering. Store material at 70°F to 90°F (21°C to 32°C) for 48 hours prior to application of the product.

- A COMPONENT - 6 MONTHS
- B COMPONENT - 6 MONTHS

MATERIAL TEMPERATURE

- Storage recommendations for maximum shelf life:
 - Temperature 50°F to 80°F (10°C to 27°C)
 - Humidity <85% do not allow material to freeze.
- For best results, the resin and iso components should be 60°F to 80°F (16°C to 27°C); maximum of 80°F (27°C).

SERVICE TEMPERATURES

Enverge ProFill spray foam insulation is designed to be used in ambient temperatures from -40°F to 180°F, 220°F (-40°C to 82°C, 104°C) intermittent. It is strongly recommended that test sprays be conducted before installation for use in extreme temperatures.

SAFETY AND HANDLING INFORMATION

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PRE-APPROVED PLANS
ACCESSORY DWELLING UNIT

CITY OF ALBUQUERQUE
PLANNING DIVISION
BUILDING SAFETY DIVISION
600 2ND ST NW
ALBUQUERQUE, NM 87102
505-924-3860

No.	Revision/Issue	Date
PROJECT NAME: 3D PRINTED 650 SF ADU		
SHEET TITLE: ENVERGE PROFILL DATA SHEETS		
DRAWN BY: JWD		
CHECKED BY: AMV		
DATE: 10/17/2025		
A-107		