

HISTORIC AND DESIGN REVIEW COMMISSION

July 19, 2023

HDRC CASE NO: 2023-257
ADDRESS: 114 DEWBERRY ST
LEGAL DESCRIPTION: NCB 6461 (MISTLETOE ADDITION SUBDIVISION), BLOCK 1 LOT 57
ZONING: R-4, H
CITY COUNCIL DIST.: 1
DISTRICT: River Road Historic District
APPLICANT: Andrea Longoria/Brio Builders
OWNER: Daniel Pina/PINA DANIEL & STEPHANIE
TYPE OF WORK: New construction of a two-story house
APPLICATION RECEIVED: June 29, 2023
60-DAY REVIEW: August 28, 2023
CASE MANAGER: Jessica Anderson
REQUEST:

The applicant requests a Certificate of Appropriateness for approval to construct a two-story residential structure on the vacant lot at 114 Dewberry.

APPLICABLE CITATIONS:

Historic Design Guidelines, Chapter 4, Guidelines for New Construction

1. Building and Entrance Orientation

A. FAÇADE ORIENTATION

- i. *Setbacks*—Align front facades of new buildings with front facades of adjacent buildings where a consistent setback has been established along the street frontage. Use the median setback of buildings along the street frontage where a variety of setbacks exist. Refer to UDC Article 3, Division 2. Base Zoning Districts for applicable setback requirements.
- ii. *Orientation*—Orient the front façade of new buildings to be consistent with the predominant orientation of historic buildings along the street frontage.

B. ENTRANCES

- i. *Orientation*—Orient primary building entrances, porches, and landings to be consistent with those historically found along the street frontage. Typically, historic building entrances are oriented towards the primary street.

2. Building Massing and Form

A. SCALE AND MASS

- i. *Similar height and scale*—Design new construction so that its height and overall scale are consistent with nearby historic buildings. In residential districts, the height and scale of new construction should not exceed that of the majority of historic buildings by more than one-story. In commercial districts, building height shall conform to the established pattern. If there is no more than a 50% variation in the scale of buildings on the adjacent block faces, then the height of the new building shall not exceed the tallest building on the adjacent block face by more than 10%.
- ii. *Transitions*—Utilize step-downs in building height, wall-plane offsets, and other variations in building massing to provide a visual transition when the height of new construction exceeds that of adjacent historic buildings by more than one-half story.
- iii. *Foundation and floor heights*—Align foundation and floor-to-floor heights (including porches and balconies) within one foot of floor-to-floor heights on adjacent historic structures.

B. ROOF FORM

- i. *Similar roof forms*—Incorporate roof forms—pitch, overhangs, and orientation—that are consistent with those predominantly found on the block. Roof forms on residential building types are typically sloped, while roof forms on non-residential building types are more typically flat and screened by an ornamental parapet wall.

C. RELATIONSHIP OF SOLIDS TO VOIDS

- i. *Window and door openings*—Incorporate window and door openings with a similar proportion of wall to window space as typical with nearby historic facades. Windows, doors, porches, entryways, dormers, bays, and pediments shall be considered similar if they are no larger than 25% in size and vary no more than 10% in height to width ratio from adjacent historic facades.
- ii. *Façade configuration*—The primary façade of new commercial buildings should be in keeping with established patterns. Maintaining horizontal elements within adjacent cap, middle, and base precedents will establish a consistent street wall through the alignment of horizontal parts. Avoid blank walls, particularly on elevations visible from the street. No new façade should exceed 40 linear feet without being penetrated by windows, entryways, or other defined bays.

D. LOT COVERAGE

- i. *Building to lot ratio*—New construction should be consistent with adjacent historic buildings in terms of the building to lot ratio. Limit the building footprint for new construction to no more than 50 percent of the total lot area, unless adjacent historic buildings establish a precedent with a greater building to lot ratio.

3. Materials and Textures

A. NEW MATERIALS

- i. *Complementary materials*—Use materials that complement the type, color, and texture of materials traditionally found in the district. Materials should not be so dissimilar as to distract from the historic interpretation of the district. For example, corrugated metal siding would not be appropriate for a new structure in a district comprised of homes with wood siding.
- ii. *Alternative use of traditional materials*—Consider using traditional materials, such as wood siding, in a new way to provide visual interest in new construction while still ensuring compatibility.
- iii. *Roof materials*—Select roof materials that are similar in terms of form, color, and texture to traditionally used in the district.
- iv. *Metal roofs*—Construct new metal roofs in a similar fashion as historic metal roofs. Refer to the Guidelines for Alterations and Maintenance section for additional specifications regarding metal roofs.
- v. *Imitation or synthetic materials*—Do not use vinyl siding, plastic, or corrugated metal sheeting. Contemporary materials not traditionally used in the district, such as brick or simulated stone veneer and Hardie Board or other fiberboard siding, may be appropriate for new construction in some locations as long as new materials are visually similar to the traditional material in dimension, finish, and texture. EIFS is not recommended as a substitute for actual stucco.

B. REUSE OF HISTORIC MATERIALS

- i. *Salvaged materials*—Incorporate salvaged historic materials where possible within the context of the overall design of the new structure.

4. Architectural Details

A. GENERAL

- ii. *Historic context*—Design new buildings to reflect their time while respecting the historic context. While new construction should not attempt to mirror or replicate historic features, new structures should not be so dissimilar as to distract from or diminish the historic interpretation of the district.
- iii. *Architectural details*—Incorporate architectural details that are in keeping with the predominant architectural style along the block face or within the district when one exists. Details should be simple in design and should complement, but not visually compete with, the character of the adjacent historic structures or other historic structures within the district. Architectural details that are more ornate or elaborate than those found within the district are inappropriate.
- iv. *Contemporary interpretations*—Consider integrating contemporary interpretations of traditional designs and details for new construction. Use of contemporary window moldings and door surroundings, for example, can provide visual interest while helping to convey the fact that the structure is new. Modern materials should be implemented in a way that does not distract from the historic structure.

5. Garages and Outbuildings

A. DESIGN AND CHARACTER

Massing and form—Design new garages and outbuildings to be visually subordinate to the principal historic structure in terms of their height, massing, and form.

- i. *Building size*—New outbuildings should be no larger in plan than 40 percent of the principal historic structure footprint.

- ii. *Character*—Relate new garages and outbuildings to the period of construction of the principal building on the lot through the use of complementary materials and simplified architectural details.
- iii. *Windows and doors*—Design window and door openings to be similar to those found on historic garages or outbuildings in the district or on the principle historic structure in terms of their spacing and proportions.
- iv. *Garage doors*—Incorporate garage doors with similar proportions and materials as those traditionally found in the district.

B. SETBACKS AND ORIENTATION

- i. *Orientation*—Match the predominant garage orientation found along the block. Do not introduce front-loaded garages or garages attached to the primary structure on blocks where rear or alley-loaded garages were historically used.
- ii. *Setbacks*—Follow historic setback pattern of similar structures along the streetscape or district for new garages and outbuildings. Historic garages and outbuildings are most typically located at the rear of the lot, behind the principal building. In some instances, historic setbacks are not consistent with UDC requirements and a variance may be required.

6. Mechanical Equipment and Roof Appurtenances

A. LOCATION AND SITING

- i. *Visibility*—Do not locate utility boxes, air conditioners, rooftop mechanical equipment, skylights, satellite dishes, and other roof appurtenances on primary facades, front-facing roof slopes, in front yards, or in other locations that are clearly visible from the public right-of-way.
- ii. *Service Areas*—Locate service areas towards the rear of the site to minimize visibility from the public right-of-way.

B. SCREENING

- i. *Building-mounted equipment*—Paint devices mounted on secondary facades and other exposed hardware, frames, and piping to match the color scheme of the primary structure or screen them with landscaping.
- ii. *Freestanding equipment*—Screen service areas, air conditioning units, and other mechanical equipment from public view using a fence, hedge, or other enclosure.
- iii. *Roof-mounted equipment*—Screen and set back devices mounted on the roof to avoid view from public right-of-way.

7. Designing for Energy Efficiency

A. BUILDING DESIGN

- i. *Energy efficiency*—Design additions and new construction to maximize energy efficiency.
- ii. *Materials*—Utilize green building materials, such as recycled, locally-sourced, and low maintenance materials whenever possible.
- iii. *Building elements*—Incorporate building features that allow for natural environmental control – such as operable windows for cross ventilation.
- iv. *Roof slopes*—Orient roof slopes to maximize solar access for the installation of future solar collectors where compatible with typical roof slopes and orientations found in the surrounding historic district.

B. SITE DESIGN

- i. *Building orientation*—Orient new buildings and additions with consideration for solar and wind exposure in all seasons to the extent possible within the context of the surrounding district.
- ii. *Solar access*—Avoid or minimize the impact of new construction on solar access for adjoining properties.

C. SOLAR COLLECTORS

- i. *Location*—Locate solar collectors on side or rear roof pitch of the primary historic structure to the maximum extent feasible to minimize visibility from the public right-of-way while maximizing solar access. Alternatively, locate solar collectors on a garage or outbuilding or consider a ground-mount system where solar access to the primary structure is limited.
- ii. *Mounting (sloped roof surfaces)*—Mount solar collectors flush with the surface of a sloped roof. Select collectors that are similar in color to the roof surface to reduce visibility.
- iii. *Mounting (flat roof surfaces)*—Mount solar collectors flush with the surface of a flat roof to the maximum extent feasible. Where solar access limitations preclude a flush mount, locate panels towards the rear of the roof where visibility from the public right-of-way will be minimized.

Standard Specifications for Windows in Additions and New Construction

- GENERAL: New windows on additions should relate to the windows of the primary historic structure in terms of materiality and overall appearance. Windows used in new construction should be similar in appearance to those commonly found within the district in terms of size, profile, and configuration. While no material is expressly prohibited by the Historic Design Guidelines, a high-quality wood or aluminum-clad wood window product often meets the Guidelines with the stipulations listed below. Whole window systems should match the size of historic windows on property unless otherwise approved.
- SIZE: Windows should feature traditional dimensions and proportions as found within the district.
- SASH: Meeting rails must be no taller than 1.25". Stiles must be no wider than 2.25". Top and bottom sashes must be equal in size unless otherwise approved.
- DEPTH: There should be a minimum of 2" in depth between the front face of the window trim and the front face of the top window sash.
 - This must be accomplished by recessing the window sufficiently within the opening or with the installation of additional window trim to add thickness.
- TRIM: Window trim must feature traditional dimensions and architecturally appropriate casing and sloped sill detail. Window track components such as jamb liners must be painted to match the window trim or concealed by a wood window screen set within the opening.
- GLAZING: Windows should feature clear glass. Low-e or reflective coatings are not recommended for replacements. The glazing should not feature faux divided lights with an interior grille. If approved to match a historic window configuration, the window should feature real exterior muntins.
- COLOR: Wood windows should feature a painted finished. If a clad product is approved, white or metallic manufacturer's color is not allowed, and color selection must be presented to staff.
- INSTALLATION: Wood windows should be supplied in a block frame and exclude nailing fins. Window opening sizes should not be altered to accommodate stock sizes prior to approval.
- FINAL APPROVAL: If the proposed window does not meet the aforementioned stipulations, then the applicant must submit updated window specifications to staff for review, prior to purchase and installation. For more assistance, the applicant may request the window supplier to coordinate with staff directly for verification.

FINDINGS:

- a. The applicant is requesting approval to construct a two-story residential structure on the vacant lot at 114 Dewberry. The lot is located in the River Road Historic District.
- b. CASE HISTORY: On June 21, 2023, the Historic and Design Review Commission granted conceptual approval of a two-story residential structure on the vacant lot at 114 Dewberry, with the following stipulations:
 - i. That the applicant incorporates entrance massing and elements that are consistent with the Guidelines and historic examples found throughout the district.
 - ii. That the applicant incorporates proposed massing and scale consistent with the Guidelines for New Construction, in particular, incorporating an overall building width or arrangement of bays that is compatible with surrounding historic structures. Multiple secondary roof forms should be eliminated in favor of a simplified design.
 - iii. That the applicant incorporates a foundation height that is consistent with the Guidelines. *This stipulation has been met.*
 - iv. That the applicant incorporate roof forms consistent with the Guidelines and historic examples found throughout the district. *This stipulation has been met.*
 - v. That the standing-seam metal roof on the front porch features panels that are 18 to 21 inches wide, seams that are 1 to 2 inches high, and a standard galvalume finish. Panels should be smooth without striation or corrugation. *This is a standard stipulation.*
 - vi. That a wood or aluminum clad wood window that is consistent with the staff's standards for windows in new construction be installed.
 - vii. That the applicant amends the proposed fenestration profile to incorporate windows that feature a one over one profile rather than the fixed clerestory windows proposed.
 - viii. That the proposed entrance element and front porch be amended to feature traditional porch massing.

- ix. That the proposed front-loading garage be eliminated and that parking should be located elsewhere on site, as noted in finding p. Should the commission find an attached garage appropriate, staff recommends a consistent siding material be used throughout the structure.
- x. That all mechanical equipment be screened from view from the public right of way. *This is a standard stipulation.*
- xi. That fencing details be submitted to staff; fencing is not included in this review.
- c. **CONTEXT & DEVELOPMENT PATTERN:** This lot is currently void of any structures. This block currently lacks any street-facing buildings. However, staff finds that new construction on this block should follow the development pattern of the rest of the historic district.
- d. **SETBACKS & ORIENTATION:** According to the Guidelines for New Construction, the front facades of new buildings are to align with front facades of adjacent buildings where a consistent setback has been established along the street frontage. Additionally, the orientation of new construction should be consistent with the historic examples found on the block. The applicant has proposed a setback of approximately 22 feet from the property line. Though there are no other street-facing structures on this block, the rest of the River Road historic district features setbacks roughly 11 to 20 feet from the right-of-way. Staff finds that the proposed setback for this new construction features a setback that is equal to or greater than those found historically on the block, and thus conforms to guidelines.
- e. **ENTRANCES:** According the Guidelines for New Construction 1.B.i. primary building entrances should be orientated towards the primary street. The proposed entrance orientation is appropriate and consistent with the Guidelines; however, staff finds that the proposed entrance massing and detailing is not consistent with the Guidelines. Entrance massing should feature traditional forms and details, as found historically within the district.
- f. **SCALE & MASS:** Per the Guidelines for New Construction 2.A.i., a height and massing similar to historic structures in the vicinity of the proposed new construction should be used. In residential districts, the height and scale of new construction should not exceed that of the majority of historic buildings by more than one-story. Though there are no other street-facing structures on the block, as noted in finding c, River Road predominately features one-story and one-and-a-half-story residences, with a handful of examples of two full stories. The applicant has proposed a massing and scale that is not consistent with the massing and scale of historic residential structures found within the River Road historic district, specifically with regard to architectural form. Staff finds that massing and scale that is consistent with the Guidelines for New Construction should be incorporated into the design. A two-story structure may be appropriate provided architectural forms are consistent with the Guidelines and historic two-story structures found within the district.
- g. **FOUNDATION & FLOOR HEIGHTS:** The applicant has proposed a foundation height of 1 foot. According to the Guidelines for New Construction 2.A.iii., foundation and floor heights should be aligned within one (1) foot of neighboring structure's foundation and floor heights. Though there are no other street-facing structures on this block, as noted in finding b, the foundation of proposed new construction should align with other structures in the historic district. Nearby historic structures on this block feature foundation heights of between one and three feet. Staff finds the proposed foundation height conforms to guidelines.
- h. **ROOF FORM:** The applicant has proposed a roof form comprised of a main hipped roof with gabled and shed roof forms on the primary elevation. Staff finds this generally appropriate.
- i. **ROOF (MATERIALS):** The applicant has proposed to install composition shingle roofs across all roof forms except the front-porch awning, proposed to be clad with a standing-seam metal roof. The applicant has proposed to install a standing-seam metal roof with smooth panels and 2" seams. Standing-seam metal roofs should feature panels that are 18 to 21 inches wide, seams that are 1 to 2 inches high, and a standard galvalume finish. Panels should be smooth without striation or corrugation. Staff finds the proposed roof materials conform to guidelines.
- j. **LOT COVERAGE:** Per the Guidelines, the building footprint for new construction should be no more than fifty (50) percent of the size of the total lot area. The proposed residence has a footprint of approx. 2,500 square feet, which includes the garage and porches. The lot is 6,011 square feet, so the proposed house footprint is approx. 41.5% of the lot size. Staff finds the lot coverage consistent with the Guidelines.
- k. **MATERIALS:** The applicant has proposed a structure clad in stucco and wood siding with wood posts on the front porch and with an attached garage clad in Hardie. The applicant did not submit specs for windows, doors,

or garage doors. Houses in the River Road historic district are predominately stucco- or wood-clad. Staff finds the use of stucco and wood cladding or Hardie siding to be generally appropriate.

- l. **DOOR (MATERIAL):** The applicant proposes a front door with a tall, thin lite left of center and provided manufacturer's specifications for a product available as fully wood or as clad-exterior wood. 4.A.iv says to consider integrating contemporary interpretations of traditional designs and details for new construction. Use of contemporary window moldings and door surroundings, for example, can provide visual interest while helping to convey the fact that the structure is new. Modern materials should be implemented in a way that does not distract from the historic structure. Staff finds that either the fully wood or clad-exterior wood door is appropriate, but that the applicant must confirm which door material will be used.
- m. **WINDOWS (MATERIAL):** The applicant proposes a Fibrex-clad wood product for windows on the new structure. Standard Specifications for Windows on Additions and New Construction state that new windows on additions should relate to the windows of the primary historic structure in terms of materiality and overall appearance. Windows used in new construction should be similar in appearance to those commonly found within the district in terms of size, profile, and configuration. While no material is expressly prohibited by the Historic Design Guidelines, a high-quality wood or aluminum-clad wood window product often meets the Guidelines. Staff finds the Fibrex-clad wood windows do not conform to standard specifications.
- n. **FENESTRATION PROFILE:** The applicant has proposed fenestration profiles that feature both window profiles and locations that are inconsistent with the Guidelines and historic fenestration profiles found throughout the district. Staff finds that the proposed fenestration profiles should be amended to be consistent with the Guidelines. Windows should feature traditional sizes and a one-over-one profile. Contemporarily sized windows and fixed windows should be eliminated from the proposed new construction.
- o. **ARCHITECTURAL DETAILS:** Generally, staff finds the proposed architectural details to be inconsistent with the Guidelines for New Construction. Staff finds that the proposed massing and form, roof form, porch/entrance configuration, materials, and fenestration profiles should be revised to be consistent with the Guidelines and historic examples found throughout the district.
- p. **ARCHITECTURAL DETAILS (PORCHES):** Historic structures within the River Road historic district feature front porches that are a prominent architectural feature of the structure. Historically, porches feature their own massing and roof form. The applicant has proposed an entrance and front porch that are not within the context of a traditionally-sized porch. Staff finds that the proposed entrance element and front porch should be amended to feature traditional porch massing.
- q. **ARCHITECTURAL DETAILS (GARAGES):** The applicant has proposed for the structure to feature one street-facing garage door on the front of the new construction and a garage door facing the back yard. Attached garages located on the front façade of houses is not found historically within the district and is inconsistent with the Guidelines. Staff finds that the proposed garage should be eliminated and that parking should be located elsewhere on the site.
- r. **LANDSCAPING:** The applicant provided a landscaping plan that notes the majority of the yard will feature grass, which is consistent with the Guidelines. Staff finds this consistent with the guidelines.
- s. **DRIVEWAYS:** The applicant has proposed one driveway that is 10' wide. Staff finds the proposed driveway configuration to be appropriate and consistent with the Guidelines.
- t. **MECHANICAL EQUIPMENT:** The applicant has not noted the location of mechanical equipment at this time. All mechanical equipment should be screened from view from the right of way, per the Guidelines.
- u. **ARCHAEOLOGY:** The project area is within a River Improvement Overlay District, San Antonio Downtown and River Walk Historic District National Register of Historic Places District, and is a designated Local Historic Landmark. Furthermore, the property is traversed by the Navarro Acequia, a previously recorded archaeological site. Therefore, an archaeological investigation is required if excavations are necessary for the project. The project shall comply with all federal, state, and local laws, rules, and regulations regarding archaeology, as applicable.

RECOMMENDATION:

Staff recommends approval of the request to construct a two-story residential structure, based on findings a through u, with the following stipulations:

- i. That the applicant incorporates entrance massing and elements that are consistent with the Guidelines and historic examples found throughout the district, as noted in finding e.

- ii. That the applicant incorporates proposed massing and scale consistent with the Guidelines for New Construction, in particular, incorporating an overall building width or arrangement of bays that is compatible with surrounding historic structures, as noted in finding f.
- iii. That, as noted in finding i, the standing-seam metal roof on the front porch features panels that are 18 to 21 inches wide, seams that are 1 to 2 inches high, and a standard galvalume finish. Panels should be smooth without striation or corrugation.
- iv. That the applicant confirms which door material will be used, as noted in finding l.
- v. That a wood or aluminum clad wood window that is consistent with the staff's standards for windows in new construction be installed, as noted in the applicable citations and in finding m.
- vi. That the applicant amends the proposed fenestration profile to incorporate windows that feature a one over one profile rather than the fixed clerestory windows proposed, as noted in finding n.
- vii. That the proposed entrance element and front porch be amended to feature traditional porch massing, as noted in finding p.
- viii. That the proposed front-loading garage be eliminated and that parking should be located elsewhere on site, as noted in finding q. Should the commission find an attached garage appropriate, staff recommends a consistent siding material be used throughout the structure.
- ix. That all mechanical equipment be screened from view from the public right of way, as noted in finding t.
- x. ARCHAEOLOGY – An archaeological investigation is required if excavations are necessary near the rear of the property. Impacts to the Upper Labor Acequia shall be avoided. The project shall comply with all federal, state, and local laws, rules, and regulations regarding archaeology, as applicable.

A foundation inspection is to be scheduled with OHP staff to ensure that foundation setbacks and heights are consistent with the approved design. The inspection is to occur after the installation of form work and prior to the installation of foundation materials.


An inspection must be scheduled with OHP staff prior to the start of work on the standing-seam metal roof to verify that the roofing material matches the approved specifications.

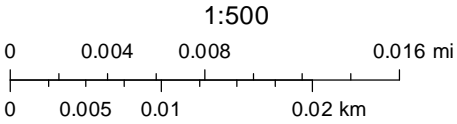
City of San Antonio One Stop



July 13, 2022

- CoSA Addresses
- Community Service Centers
- Pre-K Sites
- CoSA Parcels
- BCAD Parcels

 COSA City Limit Boundary





RENDERINGS
FOR ILLUSTRATION ONLY

PROJECT INFORMATION

BUILDING:
STRUCTURAL:
PLUMBING:
MECHANICAL:
ELECTRICAL:
FIRE/LIFE SAFETY:
ACCESSIBILITY:
ENERGY:

2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL RESIDENTIAL CODE
2021 INTERNATIONAL PLUMBING CODE
2021 INTERNATIONAL MECHANICAL CODE
2020 INTERNATIONAL ELECTRICAL CODE
2021 INTERNATIONAL FIRE CODE
TEXAS ACCESSIBILITY CODE
2021 INTERNATIONAL ENERGY CONSERVATION
CODE w/ 2021 SUPPLEMENT

NO. OF UNITS:
TYPE OF CONSTRUCTION:
BUILDING HEIGHT IN STORIES:
TOTAL SQ. FT:
NCB:

1
RESIDENTIAL
2
2287 SQFT
6461

BLOCK:
LOT:
PARCEL KEY:
ZONING:

1
57
NA
R

Layout Page Table	
Label	Title
T-1	TITLE PAGE
A-1	VACINTIY MAP
A-2	SITE PLAN
A-3	SURVEY
A-4	LAYOUT
A-5	DEMENTION PLAN
A-6	NORTH ELEVATION PLAN
A-7	SOUTH ELEVATION PLAN
A-7	WEST ELEVATION PLAN
A-8	EAST ELEVATION PLAN
A-9	EXTERIOR FINISHES
A-10	WINDOW SCHEDULE
A-11	WINDOW SCHEDULE
A-12	LANDSCAPING PLAN
A-13	ROOF PLAN

CONTACT INFORMATION:

BRIO BUILDERS
6862 ALAMO DOWNS
SAN ANTONIO, TX 78238
OFFICE: (210) 988-2777
OWNER: JIM TAFOYA (210) 585-0242
PROJECT DESIGNER: ANDREA LONGROIA (210)
618-6581

HOME OWNER NAMES: Daniel & Stepanie Pina
ADDRESS: 114 Dewberry

SHEET:
T-1

SCALE:

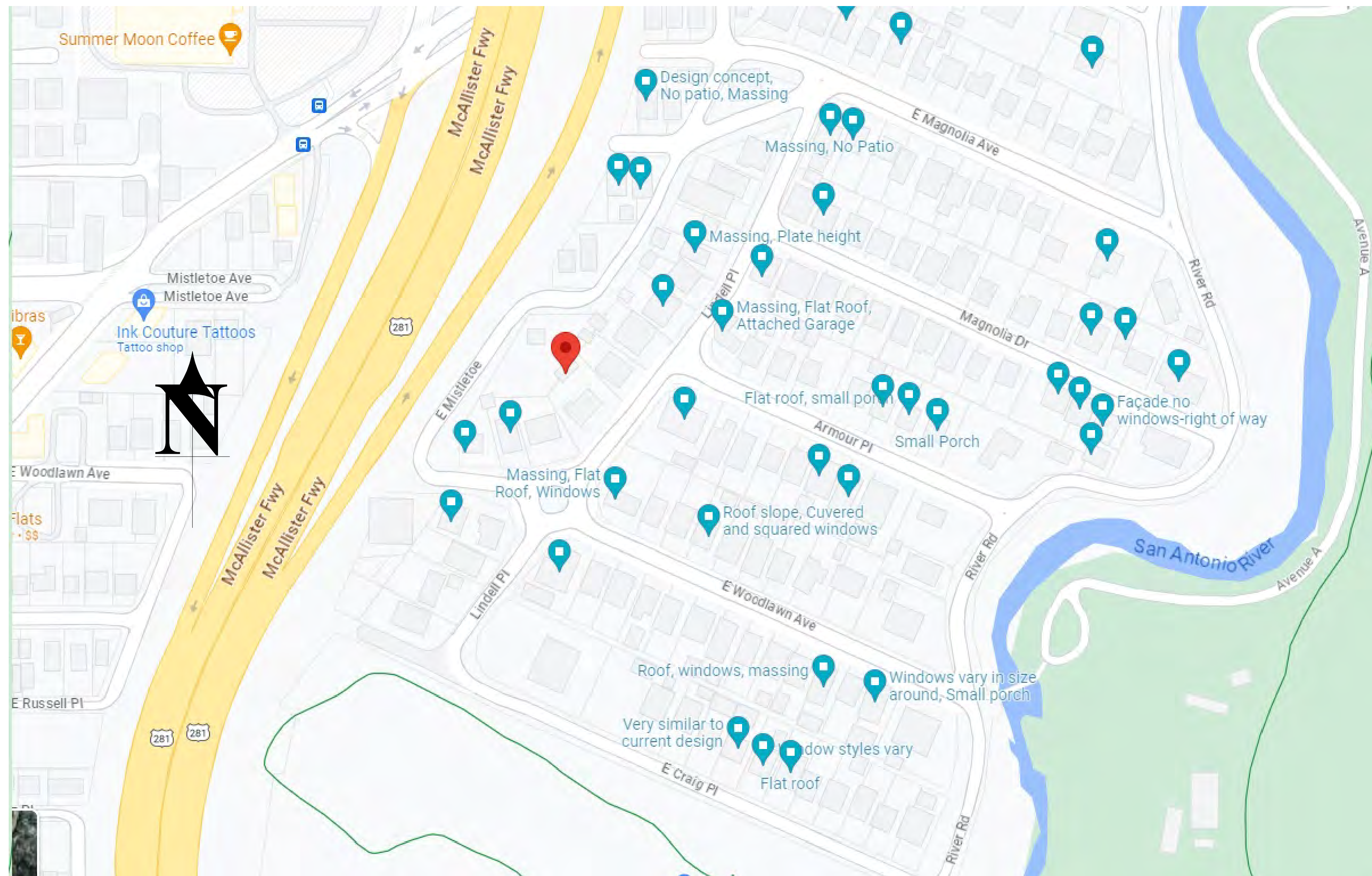
DATE:
05.30.23

REVISION TABLE	
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114 Dewberry

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ANDREA LONGORIA

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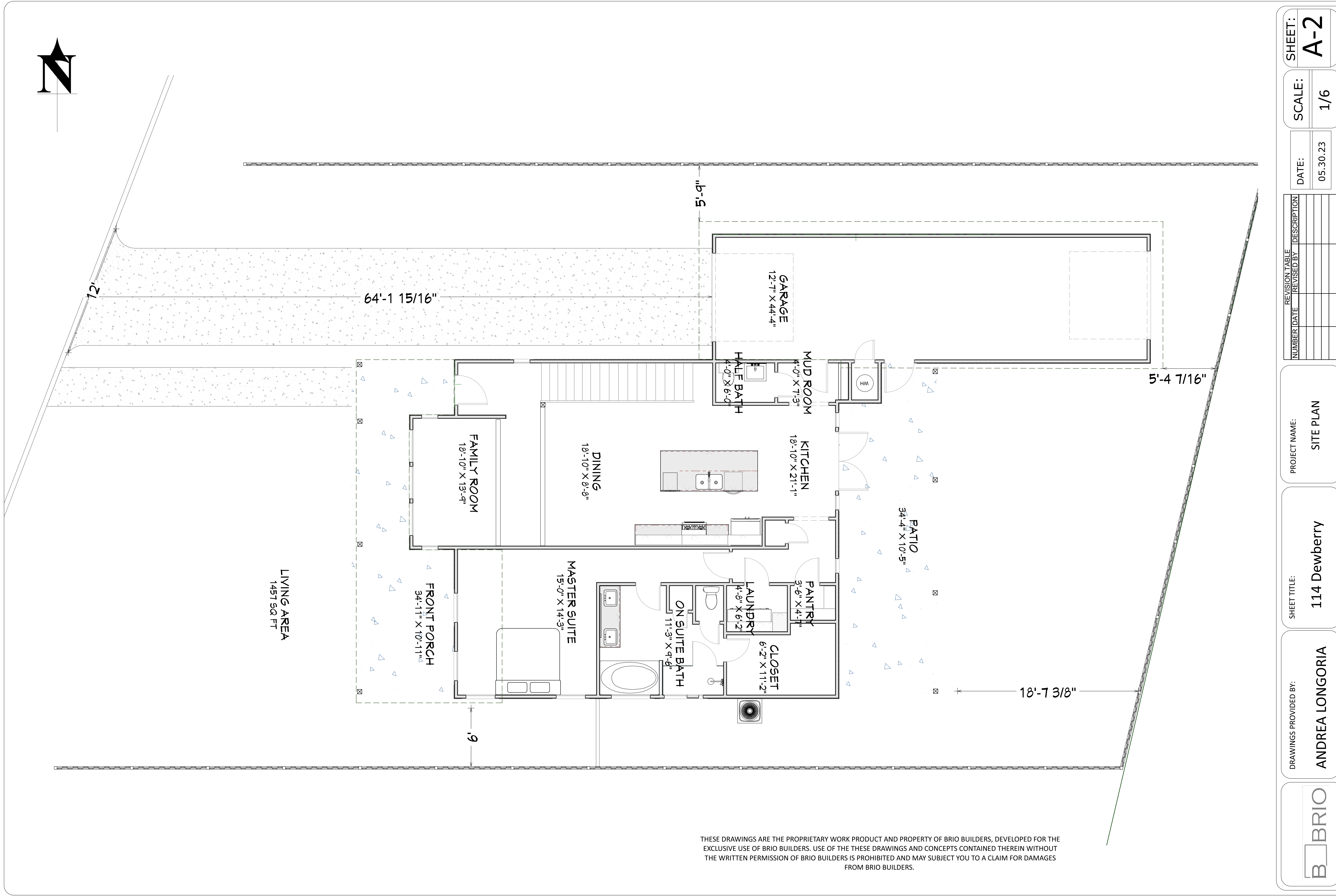
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114 Dewberry

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ANDREA LONGORIA

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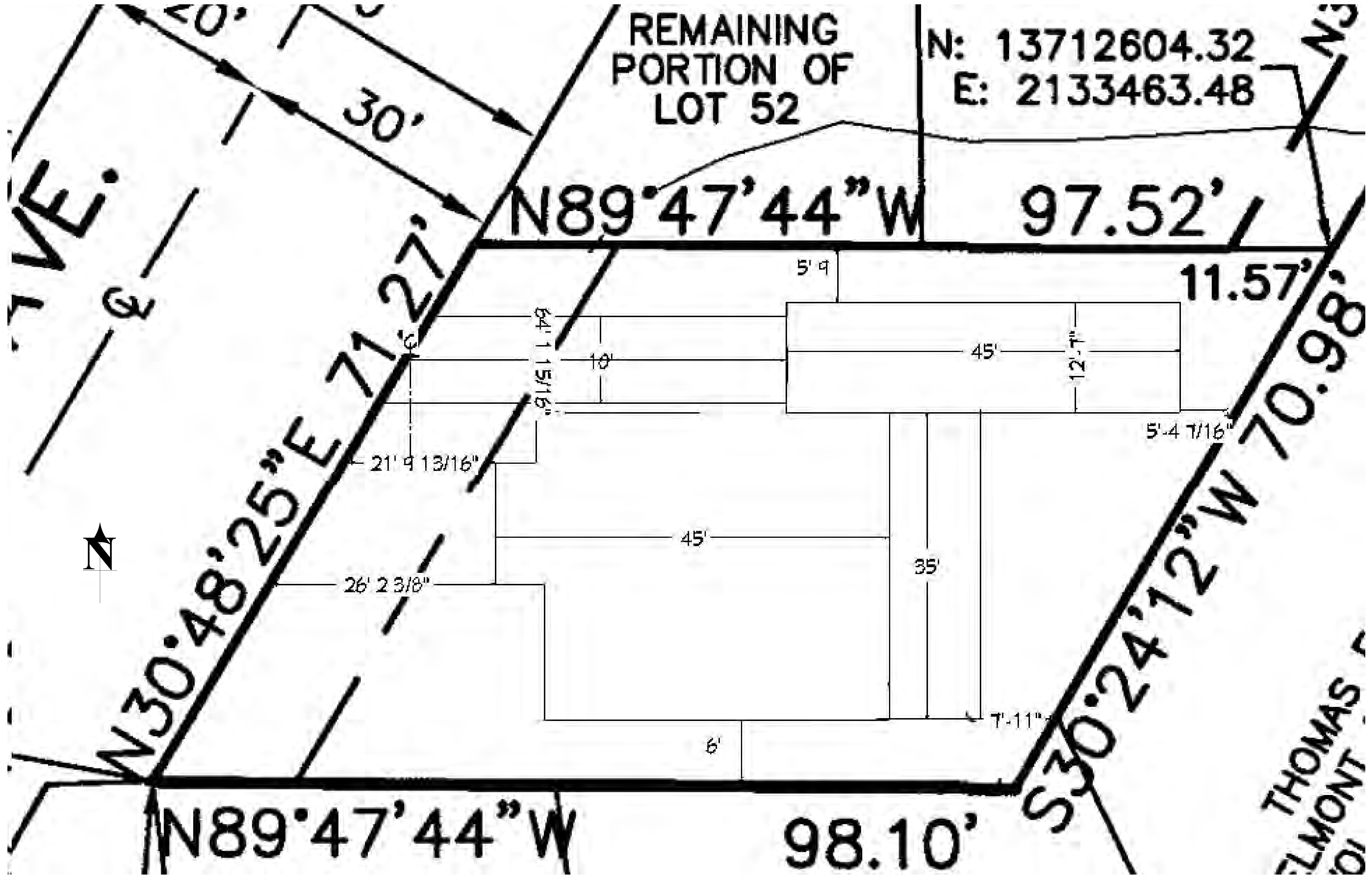
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A-2



SHEET: A-3

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DATE: 05.30.23

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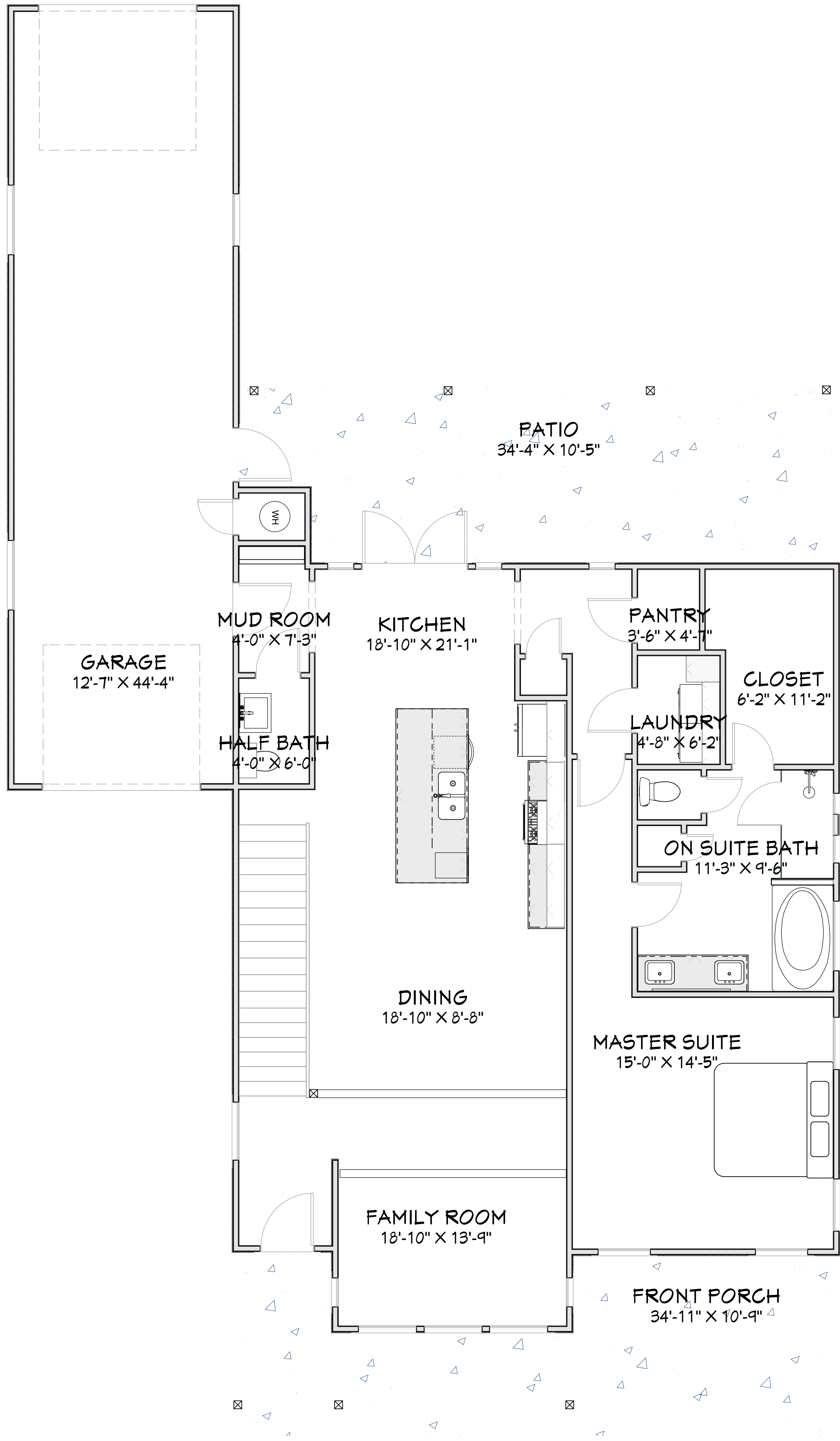
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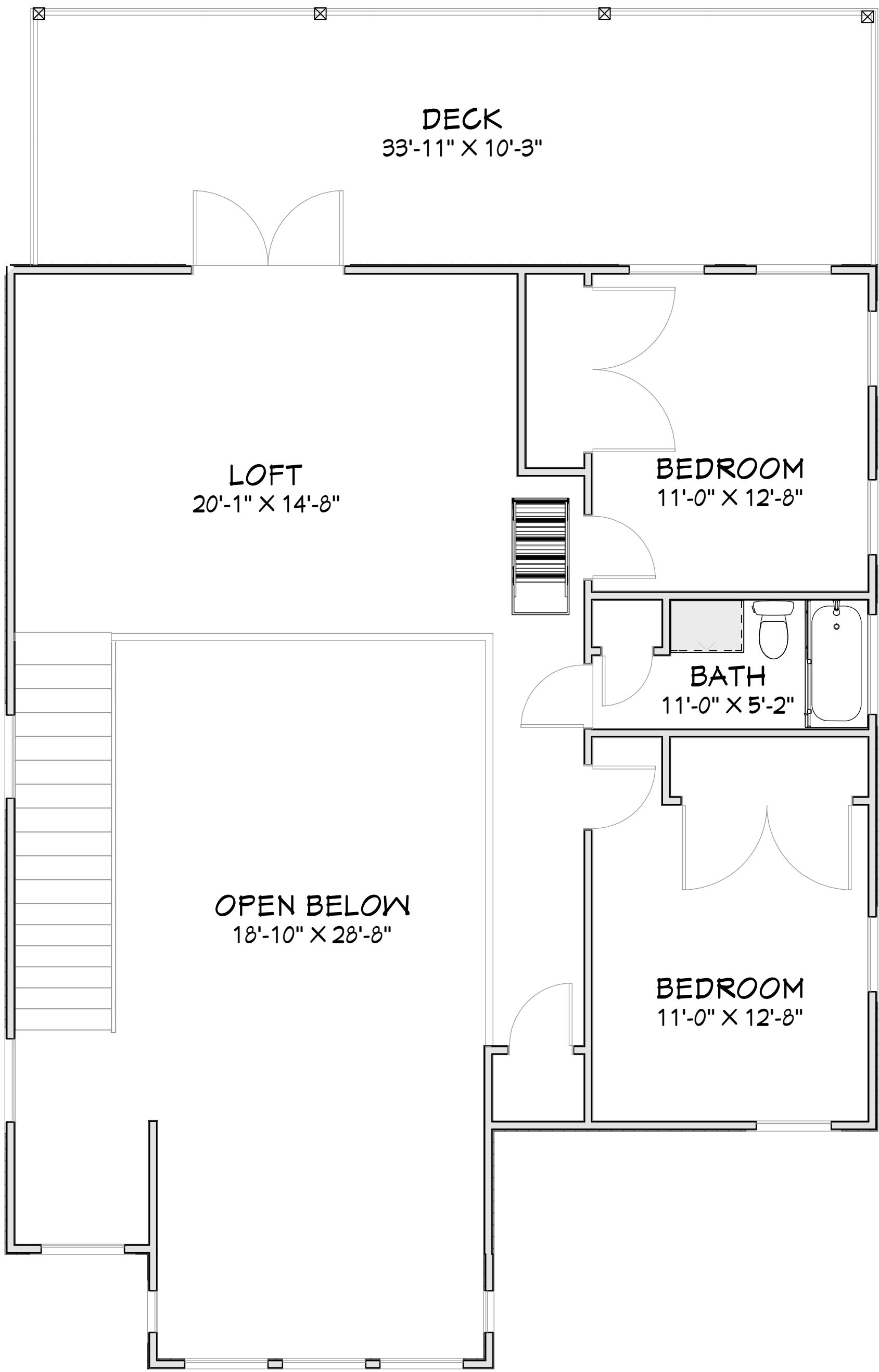
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B B R I O

RENDERINGS
FOR ILLUSTRATION ONLY



LIVING AREA
1459 SQ FT



LIVING AREA
828 SQ FT

THESE DRAWINGS ARE THE PROPRIETARY WORK PRODUCT AND PROPERTY OF BRIO BUILDERS, DEVELOPED FOR THE EXCLUSIVE USE OF BRIO BUILDERS. USE OF THE THESE DRAWINGS AND CONCEPTS CONTAINED THEREIN WITHOUT THE WRITTEN PERMISSION OF BRIO BUILDERS IS PROHIBITED AND MAY SUBJECT YOU TO A CLAIM FOR DAMAGES FROM BRIO BUILDERS.

REVISION TABLE	
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DATE: 05.30.23

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LAYOUT

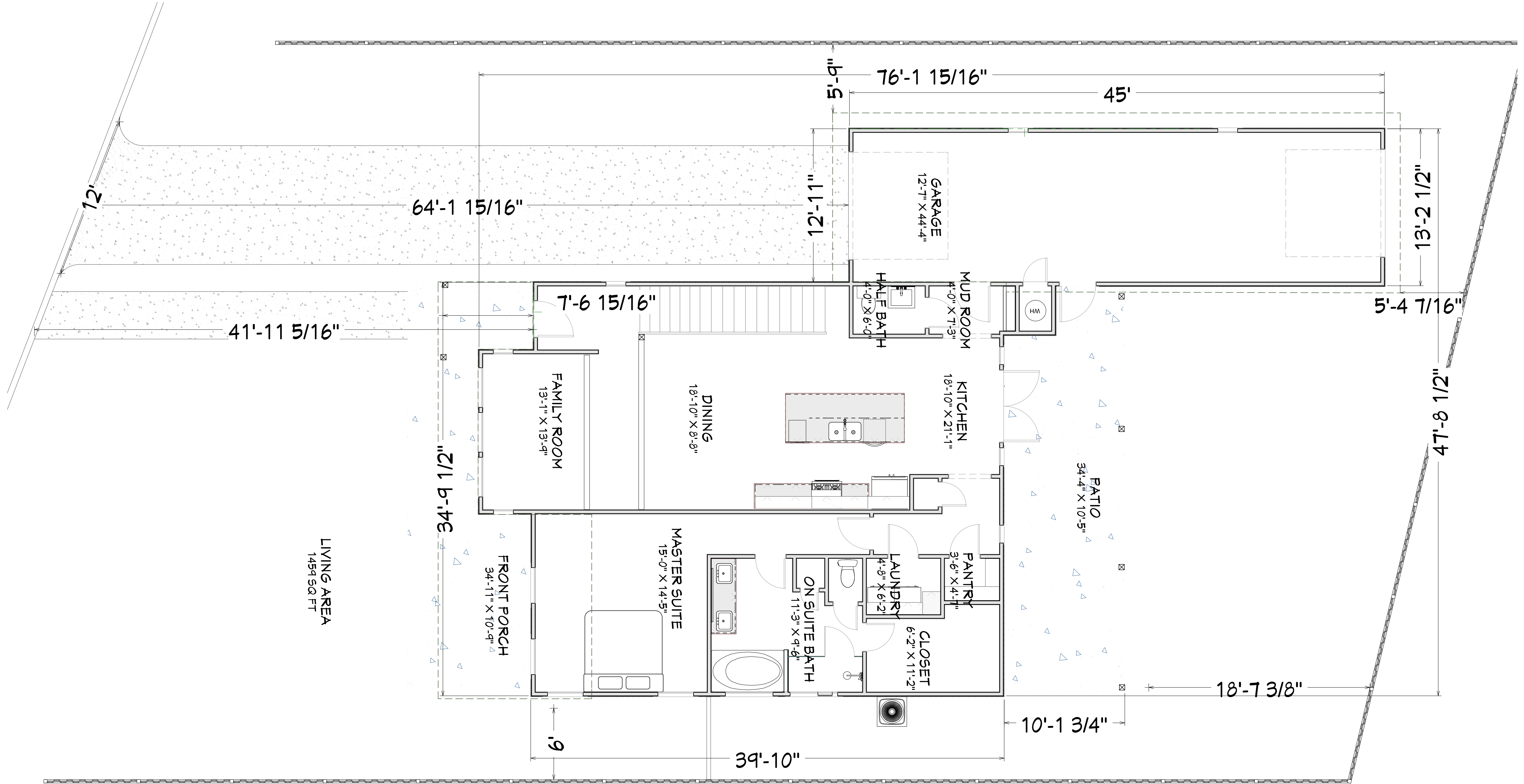
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114 Dewberry

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BRIO



REVISION TABLE		DESCRIPTION
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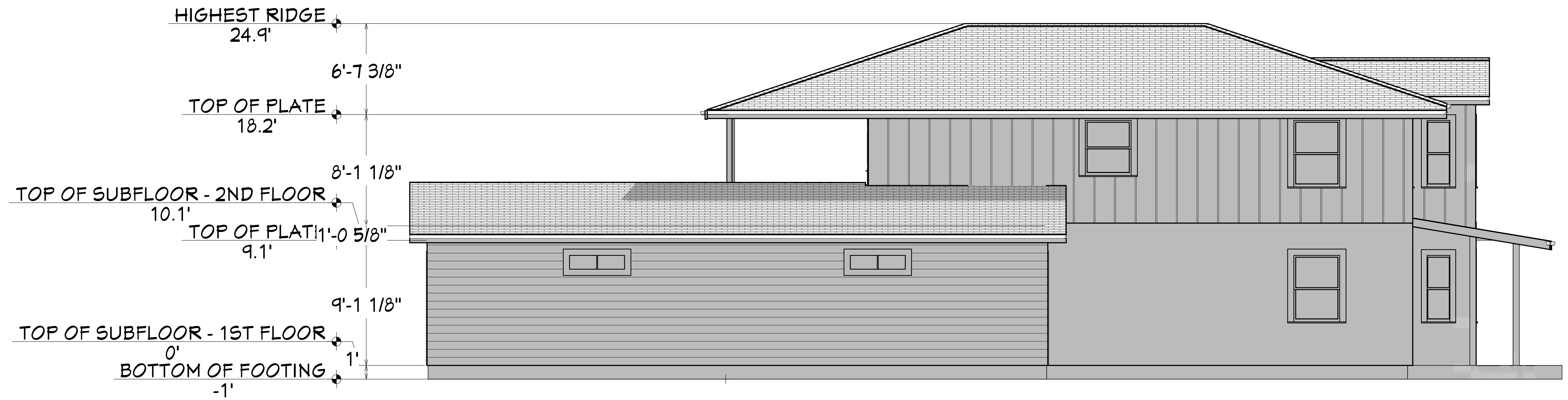
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DATE:	05.30.23

PROJECT NAME:
DEMENTION
PLAN

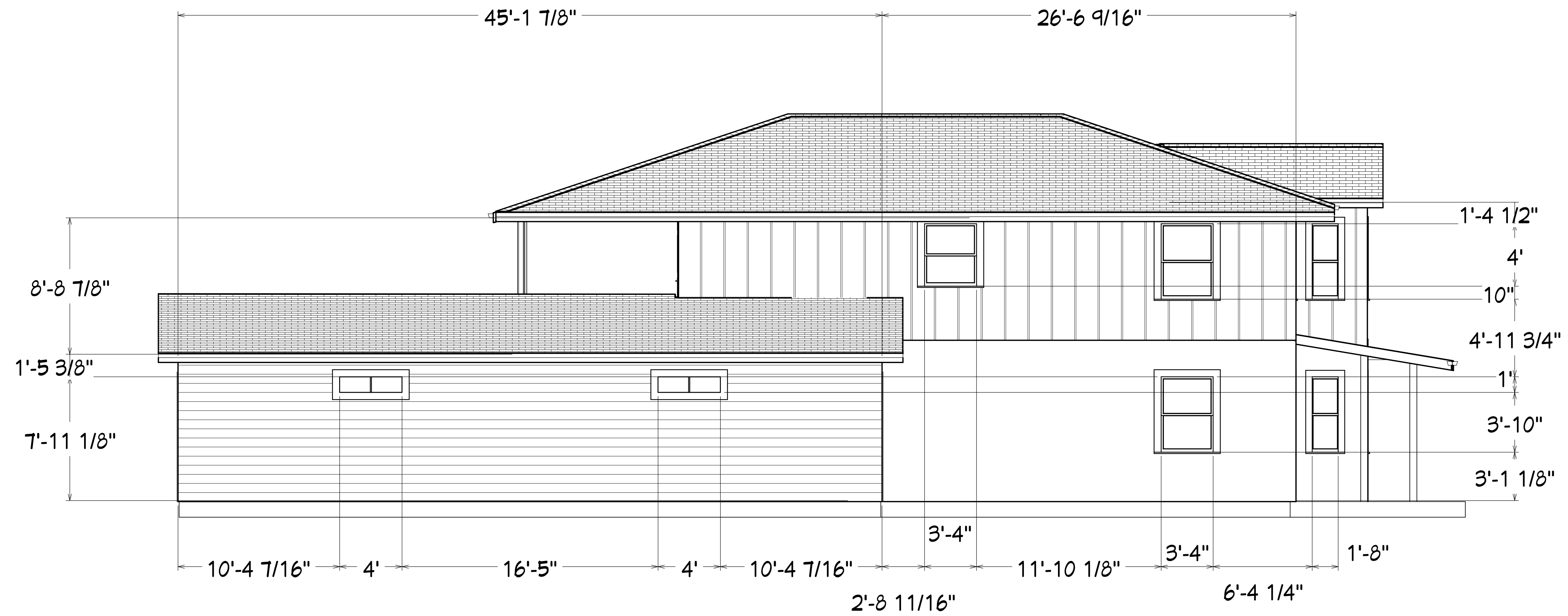
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114 Dewberry

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B BRIO



NORTH



SHEET: A-6

SCALE:

DATE:

05.30.23

REVISION TABLE	
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NORTH
ELEVATION PLAN

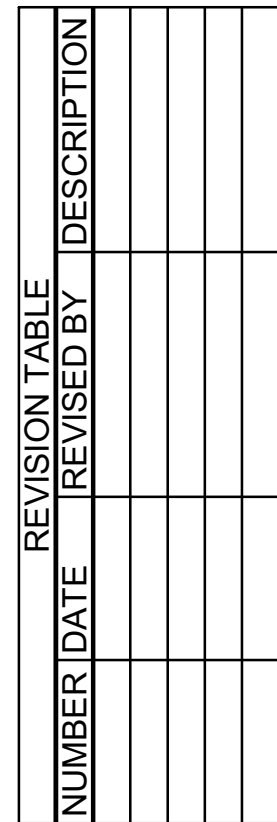
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114 Dewberry

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ANDREA LONGORIA

B B R I O



PROJECT NAME: SOUTHERN ELEVATION

SHEET TITLE:

114 Dewberry

DRAWINGS PROVIDED BY:

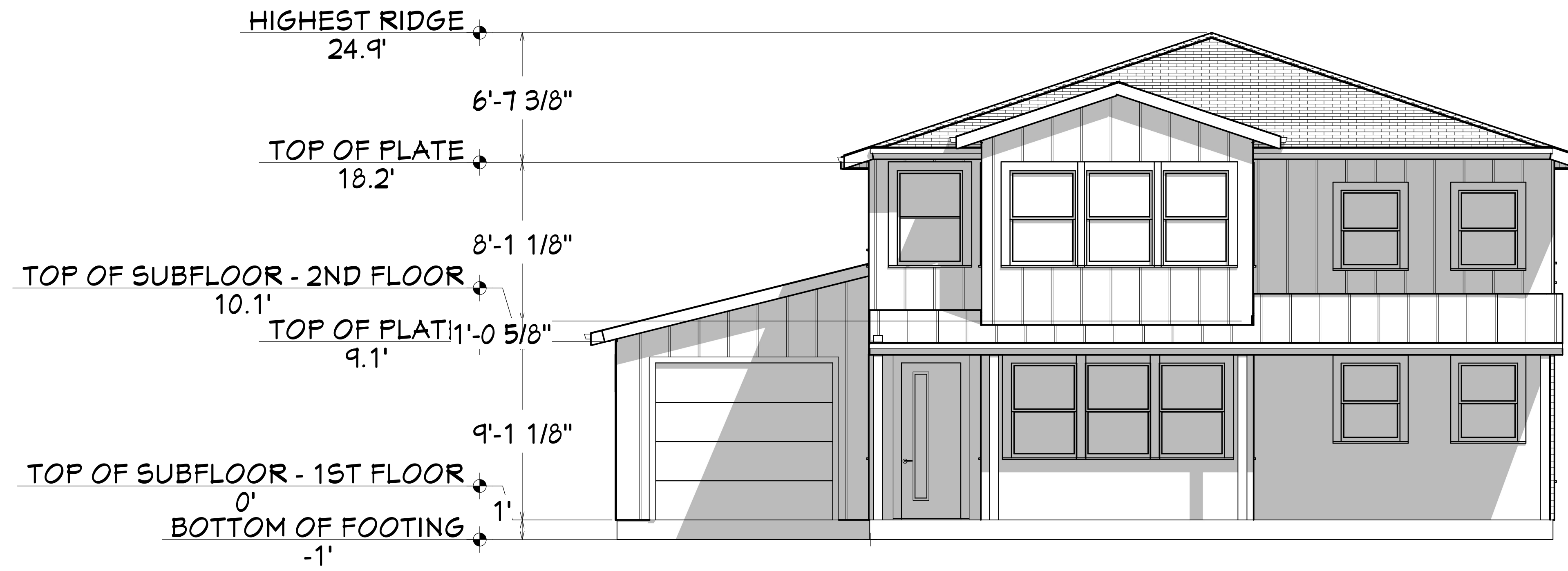
ANDREA LONGORIA

B Brio

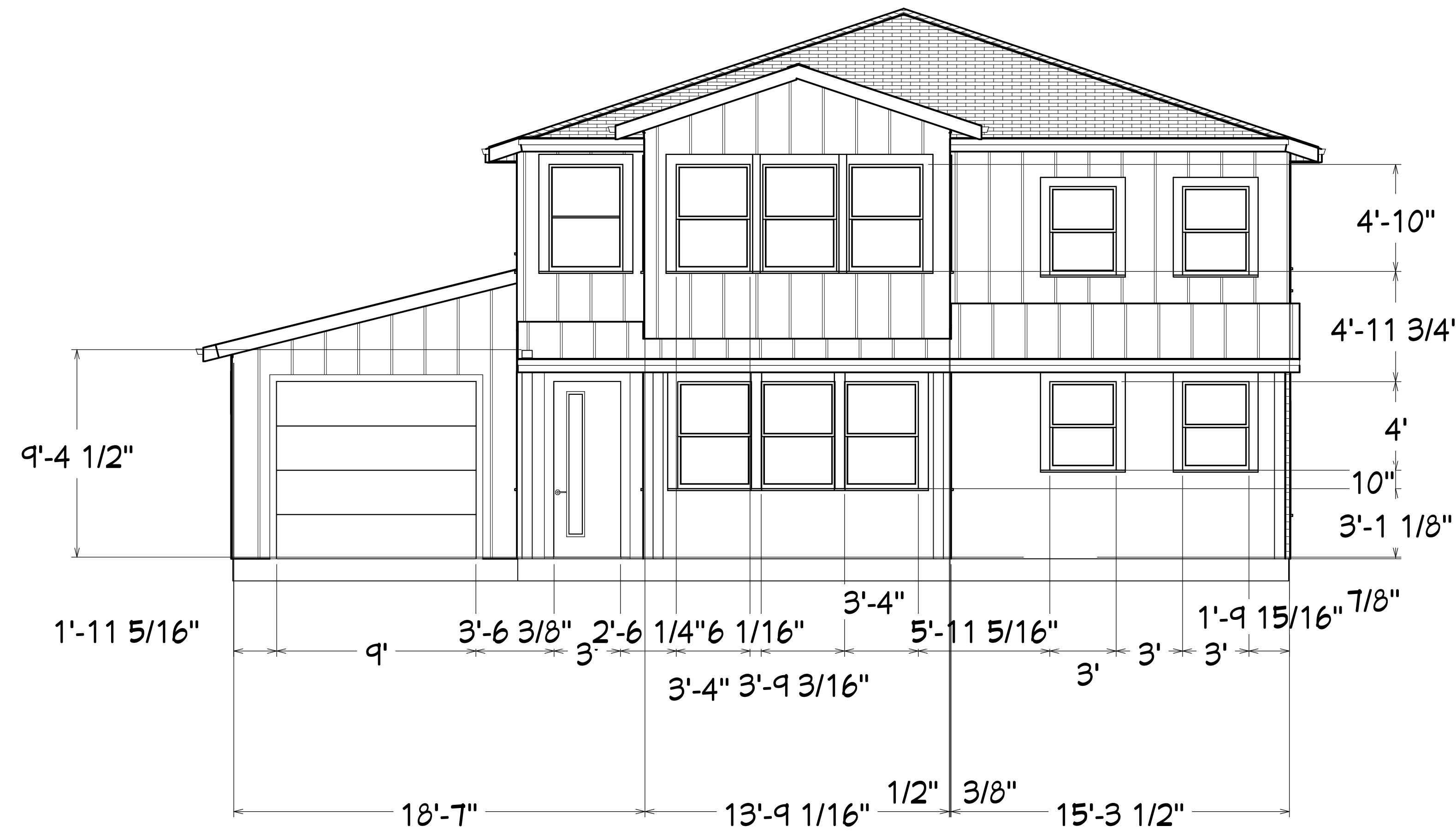
SHEET:
A-7

SCALE:

DATE:
05.30.23



WEST



SHEET: A-7

SCALE:

DATE:

05.30.23

REVISION TABLE		DESCRIPTION
NUMBER	DATE	REVISION BY

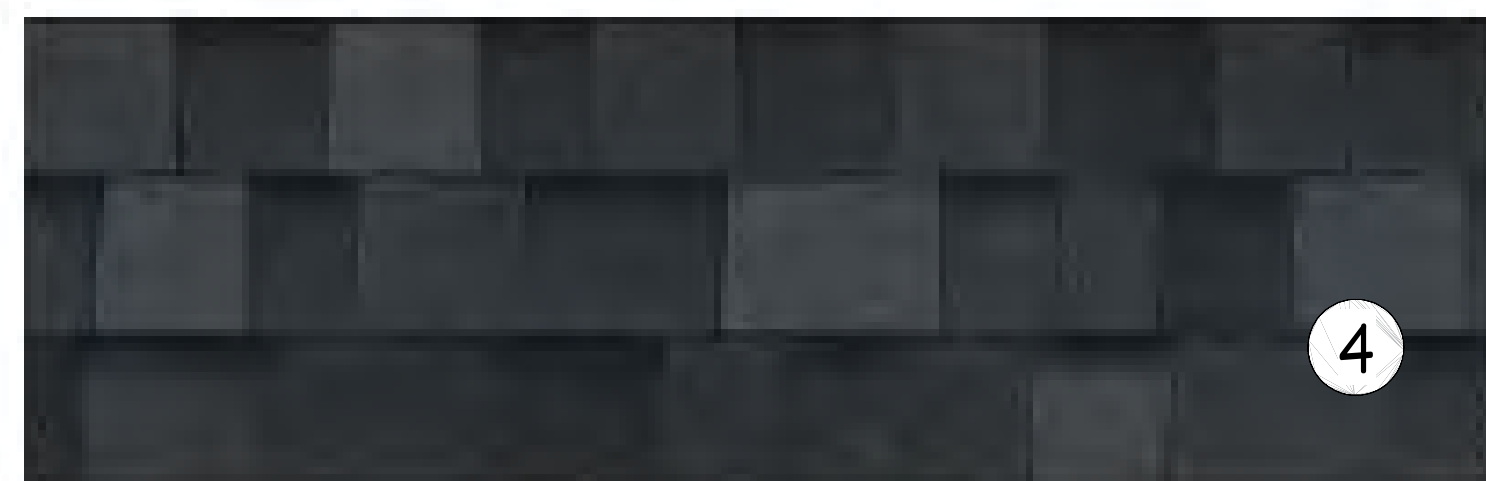
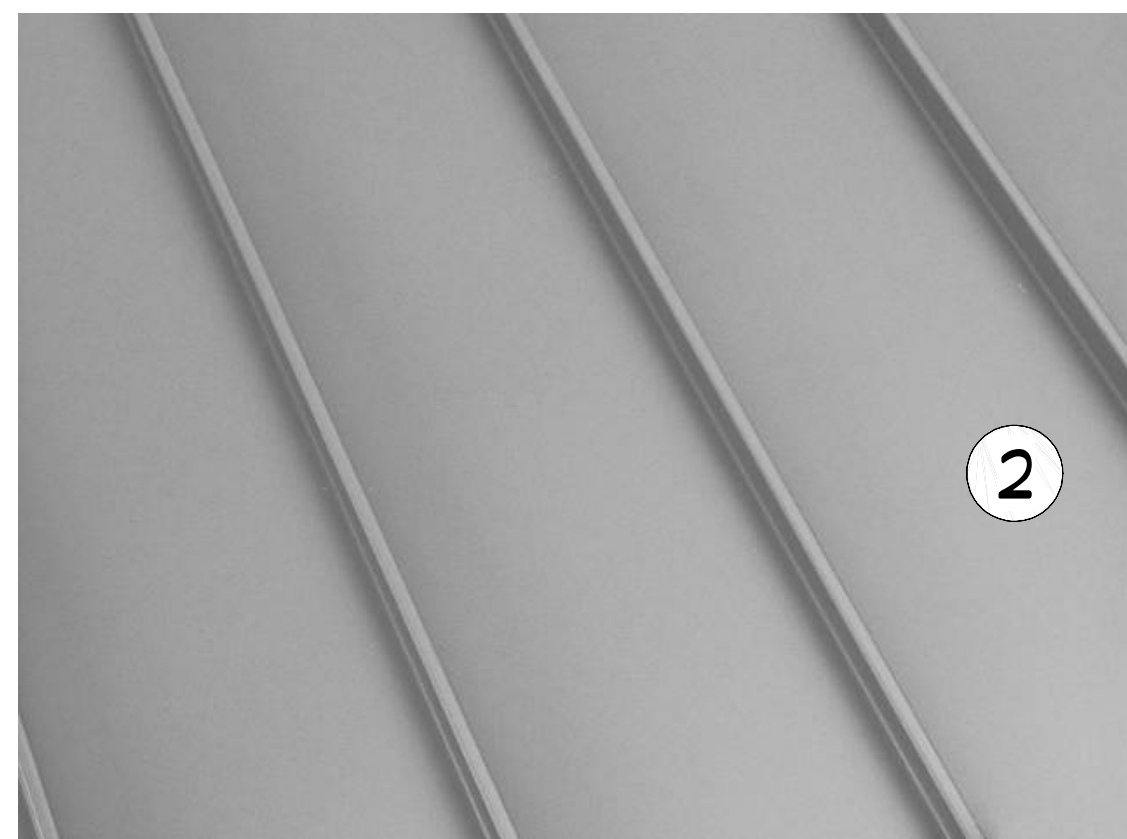
PROJECT NAME:
WEST ELEVATION
PLAN

SHEET TITLE:
114 Dewberry

DRAWINGS PROVIDED BY:
ANDREA LONGORIA

B B R I O

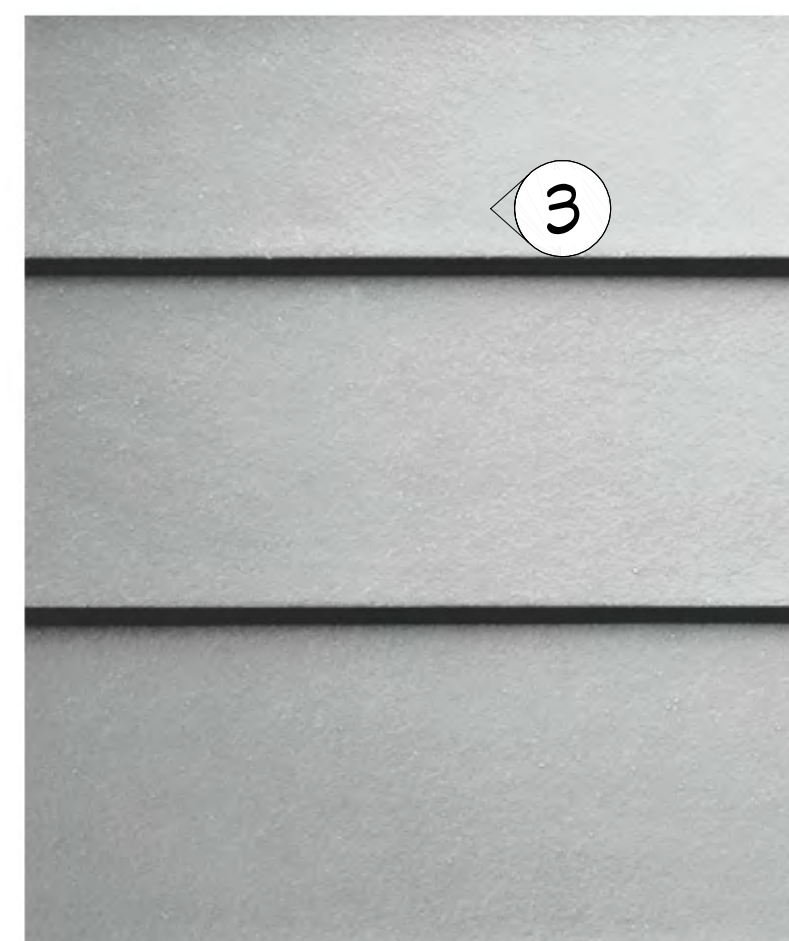
05.30.23



SW 7636
Origami White

SW 7674
Peppercorn

SW 6991
Black Magic



EXTERIOR SCHEDULE	
①	STUCCO - COLOR - GYPSUM -SW9543
②	18" STANDARD GALVALUM SMOOTH FINISH WITH 1' STANDING SEAM
③	VERTICAL SIDING WITH BOARD AND BATTEN TRIM AT 18" ON CENTER - COLOR - PEPPERCORN SW7674
④	DURATION SHINGLES - COLOR - ONIX BLACK
⑤	TRIM - COLOR - BLACK MAGIC - SW 6991
⑥	JAMES HARDY SIDING - COLOR - ORIGAMI WHITE - SW 7636

[illegible]

PROJECT NAME:
EXTERIOR
FINISHES

SHEET TITLE:

114 Dewberry

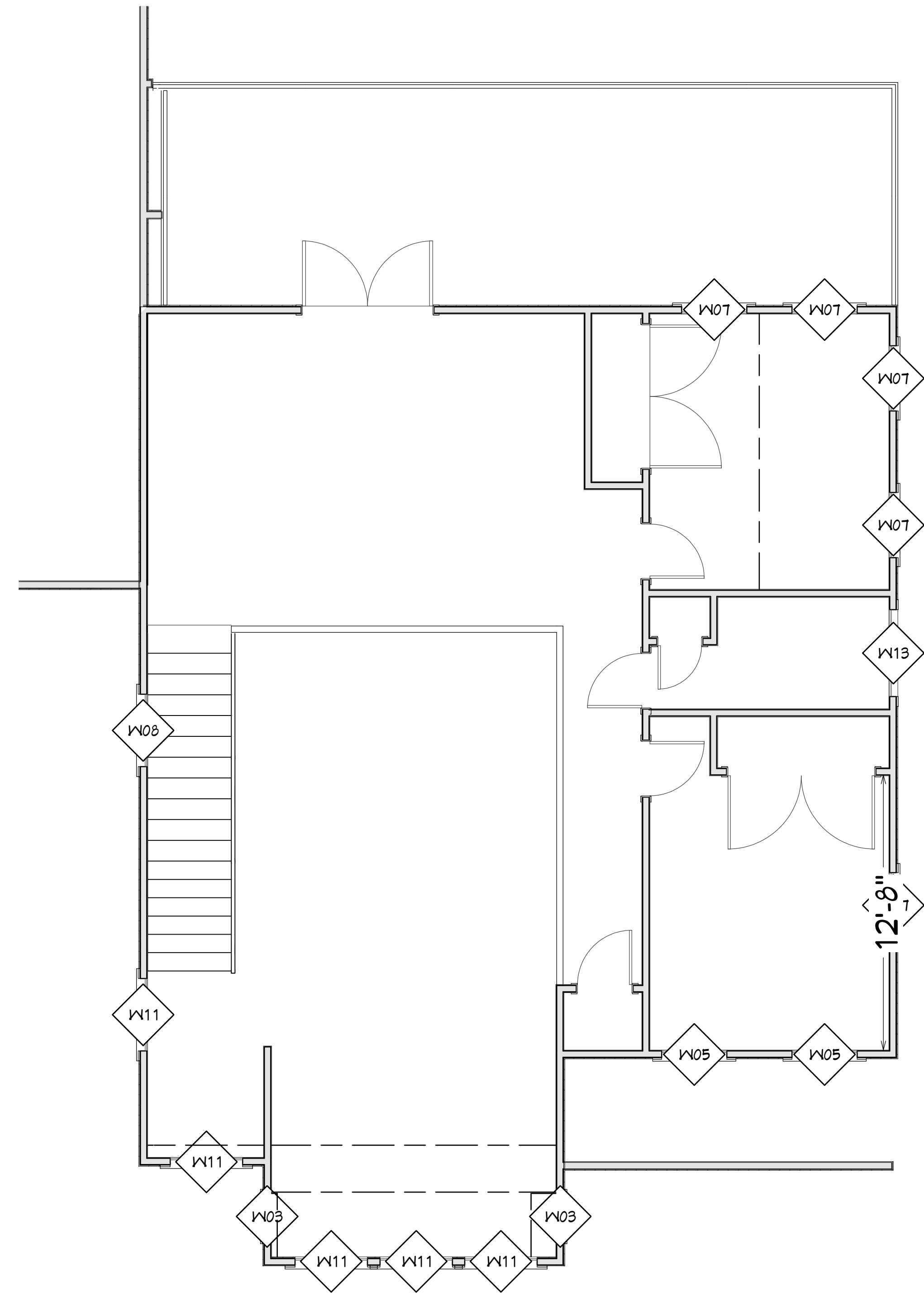
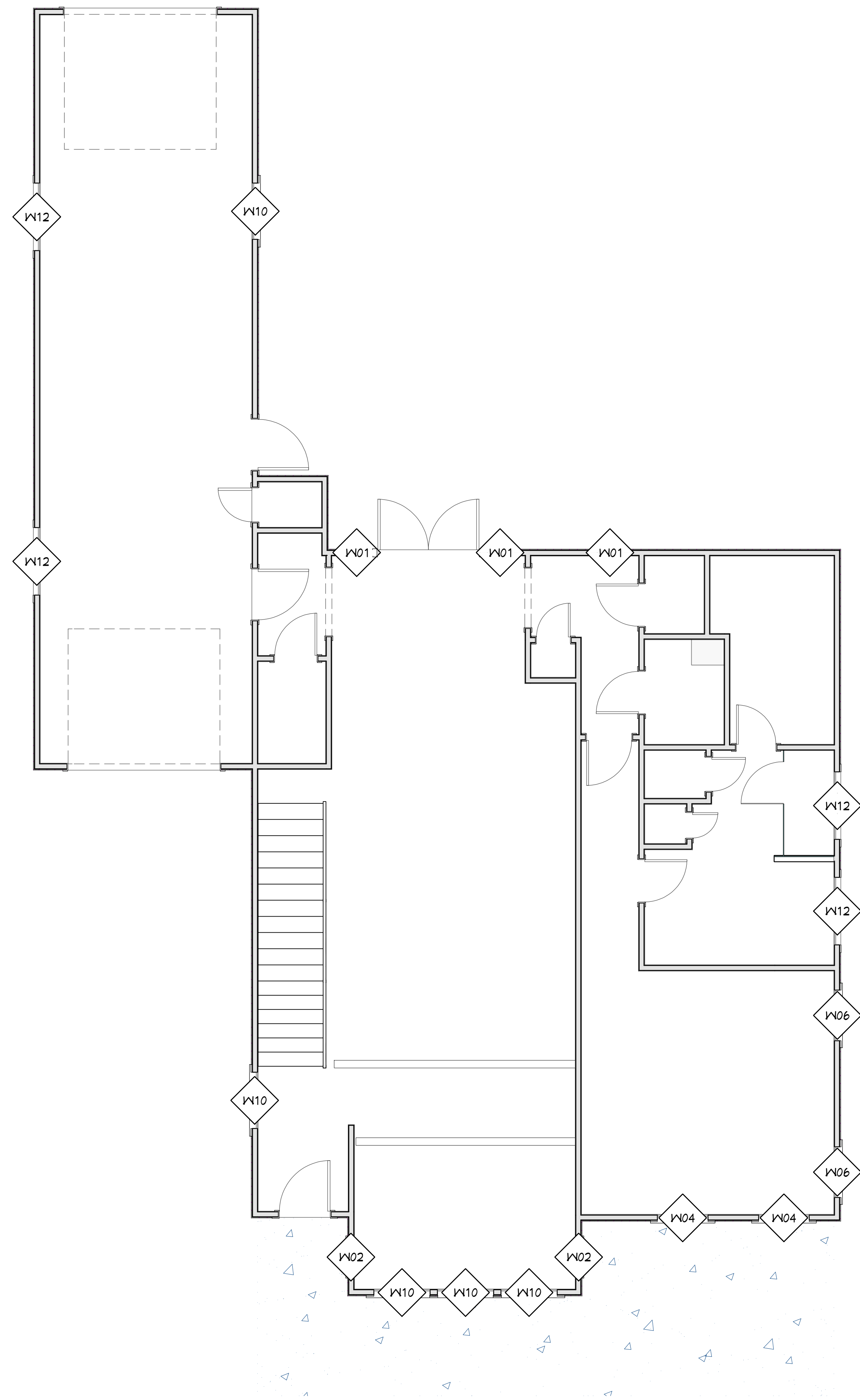
DRAWINGS PROVIDED BY:
ANDREA LONGORIA

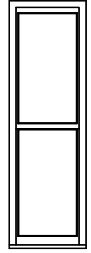
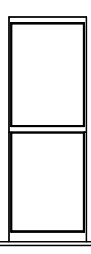
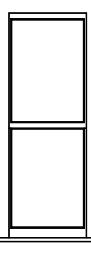
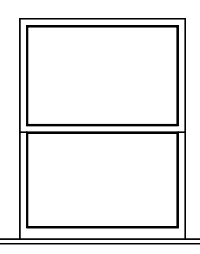
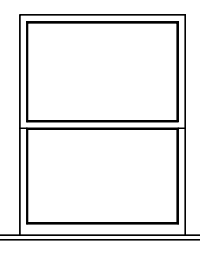
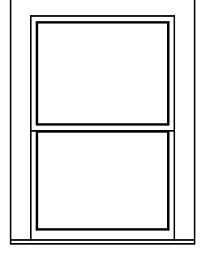
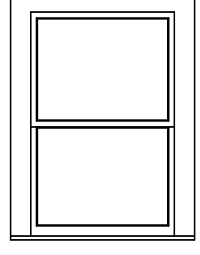
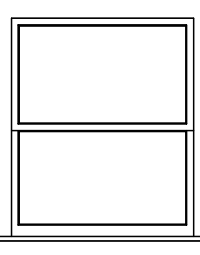
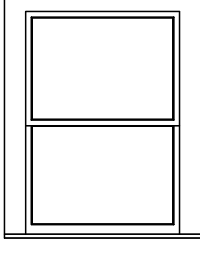
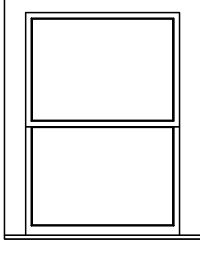
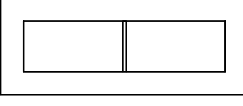
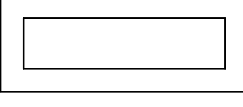
B Brio

SHEET: A-9

SCALE:

DATE:	05.30.23
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[illegible]

WINDOW SCHEDULE								
3D EXTERIOR ELEVATION	NUMBER	LABEL	QTY	FLOOR	SIZE	R/O	DESCRIPTION	HEADER
	W01	1658SH	3	1	1658SH	19"X69"	SINGLE HUNG	2X6X22" (2)
	W02	18410SH	2	1	18410SH	21"X59"	SINGLE HUNG	2X6X24" (2)
	W03	18410SH	2	2	18410SH	21"X59"	SINGLE HUNG	2X6X24" (2)
	W04	3040SH	2	1	3040SH	37"X49"	SINGLE HUNG	2X6X40" (2)
	W05	3040SH	2	2	3040SH	37"X49"	SINGLE HUNG	2X6X40" (2)
	W06	3048SH	2	1	3048SH	37"X57"	SINGLE HUNG	2X6X40" (2)
	W07	3048SH	5	2	3048SH	37"X57"	SINGLE HUNG	2X6X40" (2)
	W08	3440SH	1	2	3440SH	41"X49"	SINGLE HUNG	2X6X44" (2)
	W10	34410SH	5	1	34410SH	41"X59"	SINGLE HUNG	2X6X44" (2)
	W11	34410SH	5	2	34410SH	41"X59"	SINGLE HUNG	2X6X44" (2)
	W12	4010FX	4	1	4010FX	49"X13"	FIXED GLASS	2X8X52" (2)
	W13	4010FX	1	2	4010FX	49"X13"	FIXED GLASS	2X8X52" (2)



DRAWINGS PROVIDED BY:
ANDREA LONGORIA

SHEET TITLE:
114 Dewberry

PROJECT NAME:
WINDOW SCHEDULE

REVISION TABLE

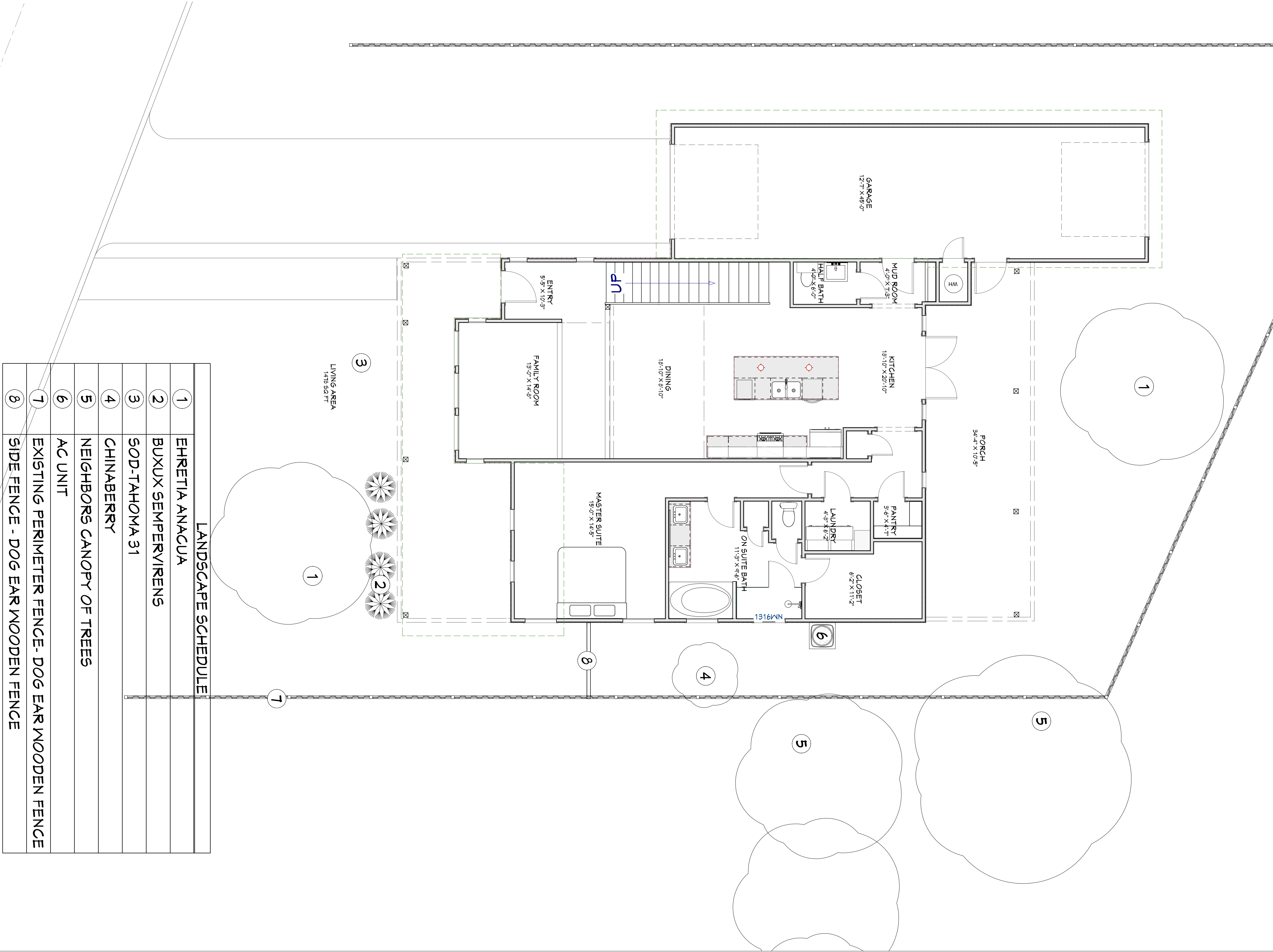
NUMBER	DATE	REVISED BY	DESCRIPTION

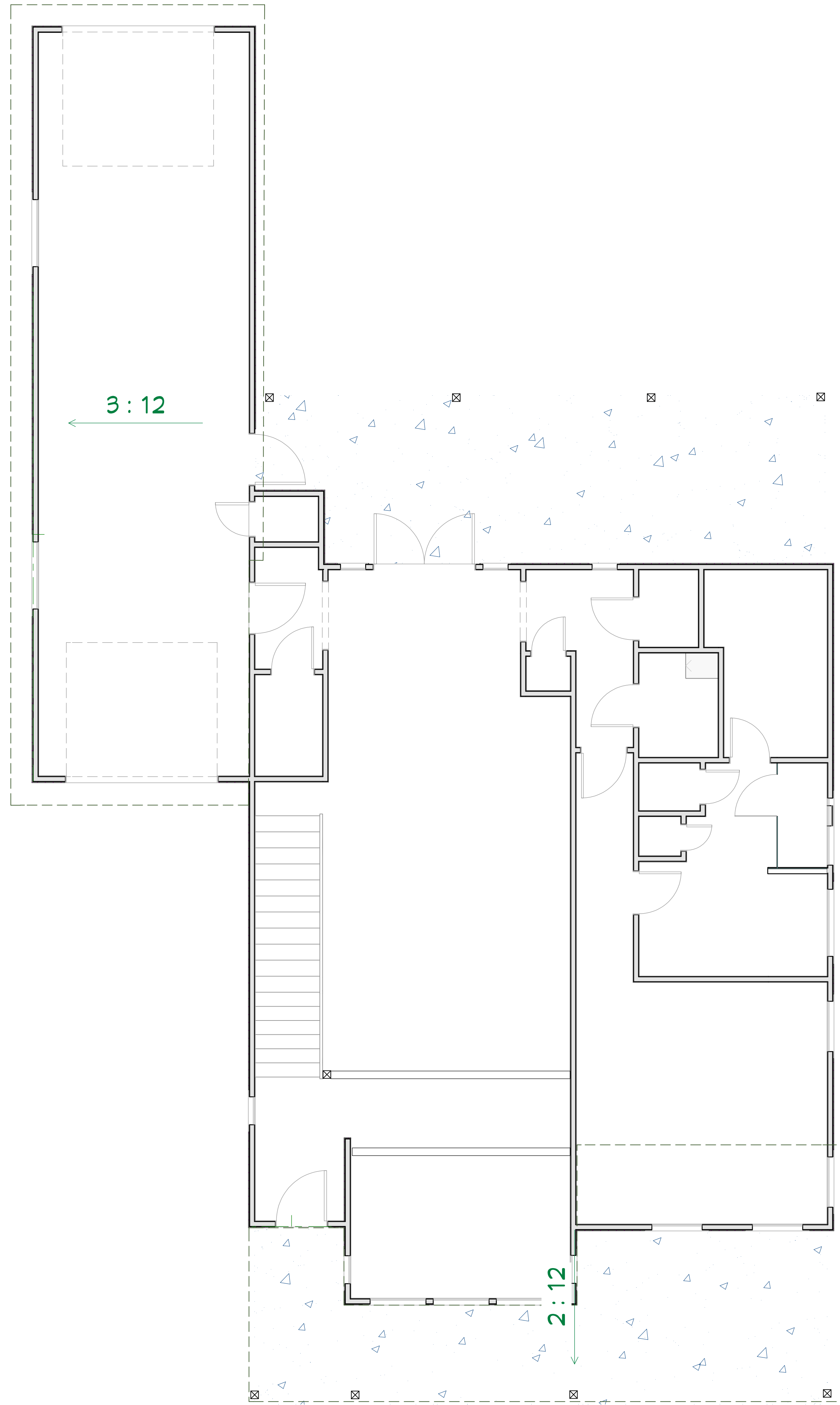
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SCALE:

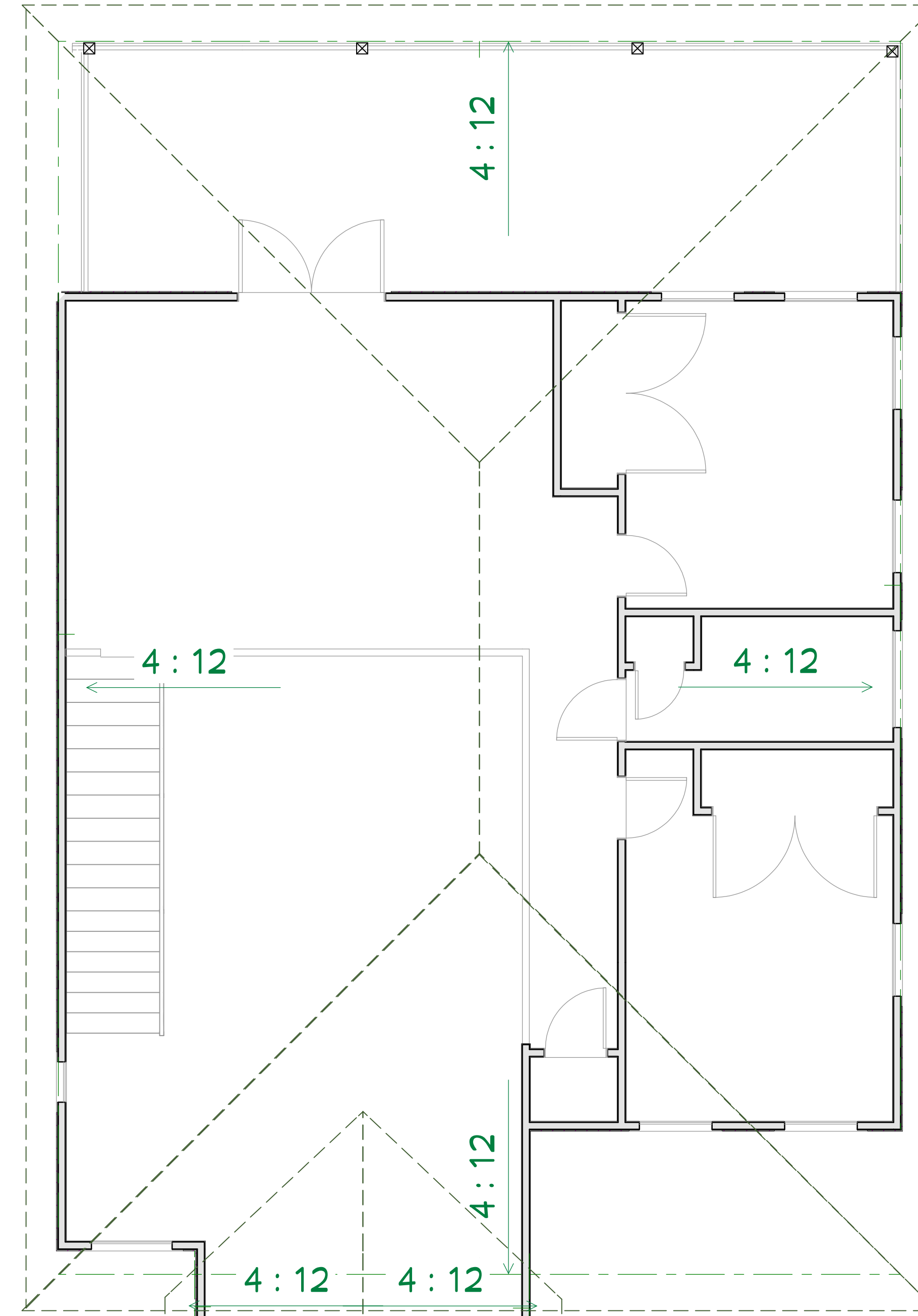
SHEET:
A-11

REVISION TABLE	
NUMBER	DATE
DESCRIPTION	





1st Floor



2nd Floor

REVISION TABLE		
NUMBER	DATE	REVISION BY DESCRIPTION

PROJECT NAME:

ROOF PLAN

SHEET TITLE:

114 Dewberry

DRAWINGS PROVIDED BY:

ANDREA LONGORIA

B Brio

SCALE:

1/4

DATE:

05.30.23

SHEET:

A-13

WOODWRIGHT® DOUBLE-HUNG FULL-FRAME WINDOWS

Tables of Sizes	50-56
Specifications	54-61
Custom Sizes	62
Grille Patterns	63
Window Details	63-64
Joining Details	65
Combination Designs	181
Product Performance	197

CUSTOM SIZING
in $\frac{1}{8}$ " (3) increments 

Dimensions in parentheses are in millimeters.



WOODWRIGHT® DOUBLE-HUNG FULL-FRAME WINDOWS

FEATURES

FRAME

- A** Perma-Shield® exterior cladding protects the frame – beautifully. Best of all, it's low maintenance and never needs painting.
- B** For exceptional long-lasting* performance, sill members are constructed with a wood core and a Fibrex® material exterior.
- C** Natural wood stops are available in pine, maple, oak and prefinished white. Wood jamb liners add beauty and authenticity to the window interior.
- D** A factory-applied rigid vinyl flange on the head, sill and sides of the outer frame helps secure the unit to the structure.
- E** Multiple weatherstrip systems help provide a barrier against wind, rain and dust. The combination of spring-tension vinyl, rigid vinyl and flexible bulb weatherstrip is efficient and effective.
- F** For units with white exterior color, the exterior jamb liner is white. For all other units, the exterior jamb liner is gray.

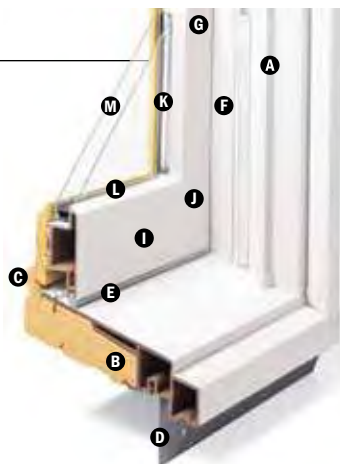
SASH

- G** Balancers in the sash enable contractors to screw through the jamb during installation without interfering with the window's operation.

Wood Jamb Liner



- H** Natural wood sash interior with classic chamfer detailing. Available in pine, maple, oak or prefinished white.
- I** Low-maintenance sash exterior provides long-lasting* protection and performance. Sash exteriors on most units include Fibrex material.
- J** Sash joints simulate the look of traditional mortise-and-tenon construction inside and out.



GLASS

- K** In addition to stainless steel glass spacers, black or white glass spacers are now available to allow the spacer to blend in with the unit color.
- L** Silicone bed glazing provides superior weathertightness and durability.
- M** High-Performance options include:
- Low-E4® glass
 - Low-E4 HeatLock® glass
 - Low-E4 SmartSun™ glass
 - Low-E4 SmartSun HeatLock glass
 - Low-E4 Sun glass

Tempered and other glass options are available. Contact your Andersen supplier.

A removable translucent film helps shield the glass from damage during delivery and construction, and simplifies finishing at the job site.

Patterned Glass

Patterned glass options are available. See page 12 for more details.

HARDWARE



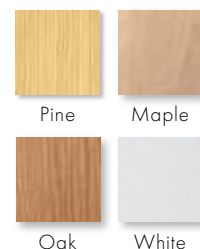
Standard lock and keeper design provides an easy tilt-to-clean feature integrated into the lock.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS



INTERIOR OPTIONS



HARDWARE



Standard Lock & Keeper

Antique Brass | **Black** | Bright Brass
Brushed Chrome | Distressed Bronze
Distressed Nickel | Gold Dust
Oil Rubbed Bronze | Polished Chrome
Satin Nickel | Stone | White

OPTIONAL HARDWARE Sold Separately

CONTEMPORARY



Bar Lift

Available in all hardware finishes.
Shown in **Distressed Nickel**.

ESTATE™



Hand Lift

Finger Lifts

Antique Brass | Bright Brass
Brushed Chrome | Distressed Bronze
Distressed Nickel | Oil Rubbed Bronze
Polished Chrome | **Satin Nickel**

TRADITIONAL



Bar Lift



Hand Lift



Finger Lifts

Antique Brass | Black | Bright Brass | Brushed Chrome
Distressed Bronze | Distressed Nickel | Gold Dust | **Oil Rubbed Bronze**
Polished Chrome | Satin Nickel | Stone | White

CLASSIC SERIES™



Bar Lift



Hand Lift



Finger Lifts

Stone | **White**

Bold name denotes finish shown.

HARDWARE FINISHES



*Visit andersenwindows.com/warranty for details.

Dimensions in parentheses are in millimeters.

Printing limitations prevent exact replication of colors and finishes.

See your Andersen supplier for actual color and finish samples.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind. All wood interiors are unfinished unless a finish is specified.

Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use.

StormWATCH[®] PROTECTION

Performance Grade (PG) Upgrades

Performance upgrades are available for select sizes of standard, non-impact Woodwright[®] windows allowing these units to achieve higher performance ratings. Performance Grade (PG) ratings are more comprehensive than Design Pressure (DP) ratings for measuring product performance. For up-to-date performance information of individual products, visit andersenwindows.com. Use of this option will subtract 5/8" (16) from clear opening height. Contact your Andersen supplier for availability.

Visit andersenwindows.com/coastal for more information on Stormwatch[®] Protection.

SHAPES

Woodwright windows are available in the following shapes.



Double-Hung

Springline[™]
Single-Hung



Arch Double-Hung

Unequal Leg Arch
Double-Hung

SASH OPTIONS*



Cottage

Reverse Cottage

ACCESSORIES Sold Separately

FRAME

Extension Jamb



Standard jamb depth is 4 1/2" (114). Extension jambs are available in unfinished pine or prefinished white. Some sizes may be veneered.

Factory-applied and non-applied interior extension jambs are available in 1/16" (1.5) increments between 5 1/4" (133) and 7 1/8" (181). Extension jambs can be factory applied to either three sides (stool and apron application) or four sides (picture frame casing).

Pine Stool



A clear pine stool is available and ready for finishing. The Woodwright stool is available in 4 9/16" (116) for use in wall depths up to 5 1/4" (133) and 6 1/16" (167) for use in wall depths up to 7 1/8" (181). Works with 2 1/4" (57) and 2 1/2" (64) casing widths. Shown above on a 400 Series tilt-wash double-hung window.

HARDWARE

Window Opening Control Device



A window opening control device is available, which limits sash travel to less than 4" (102) when the window is first opened. Available factory applied, or as a field-applied kit in stone or white.

STORM/INSECT SCREEN COMBINATION UNIT**



A self-storing storm window combined with an insect screen provides greater energy efficiency, while allowing ventilation when needed.

Constructed with an aluminum frame, single-pane upper and lower glass panels, and charcoal powder-coated aluminum screen mesh. Available in white, Sandtone and Terratone to match product exteriors. Canvas, dark bronze, forest green and black are available by special order.

Combination units can improve Sound Transmission Class (STC) and Outdoor Indoor Transmission Class (OITC) ratings. Ideal for projects near airports, busy roadways or other noisy environments. For example, adding a combination unit to a 400 Series tilt-wash double-hung (3862) unit with Low-E4[®] glass will improve its STC rating from 26 to 32. Contact your Andersen supplier for additional STC and OITC rating information.

INSECT SCREENS

Insect Screen Frames



Choose full insect screen or half insect screen. Half insect screen (shown above) allows ventilation without affecting the view through the upper sash. Frames are available in colors to match product exteriors.

TruScene[®] Insect Screens

Andersen TruScene insect screens let in over 25% more fresh air† and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects.

Conventional Insect Screens

Conventional insect screens have charcoal powder-coated aluminum screen mesh.

GRILLES

Grilles are available in a variety of configurations and widths. For double-hung grille patterns, see page 63.

EXTERIOR TRIM

Available with Andersen[®] exterior trim. See exterior trim section starting on page 175.

CAUTION:

- Painting and staining may cause damage to rigid vinyl.
- 400 Series windows in Terratone color may be painted any color lighter than Terratone color using quality oil-based or latex paint.
- Do not paint 400 Series windows with white, canvas, Sandtone, dark bronze, forest green or black exterior colors.
- Andersen does not warrant the adhesion or performance of homeowner-applied paint over vinyl or other factory-coated surfaces.
- For vinyl painting instructions and preparation, contact your Andersen supplier.
- Do not paint weatherstrip.
- Creosote-based stains should not come in contact with Andersen products.
- Abrasive cleaners or solutions containing corrosive solvents should not be used on Andersen products.

*Shown on 400 Series tilt-wash double-hung windows.

**Do not add combination units to windows with Low-E4 Sun glass unless window glass is tempered. Combination units may also reduce the overall clear operable area of the window. See your local code official for egress requirements in your area.

†TruScene insect screens let in over 25% more fresh air than standard Andersen fiberglass insect screens.

Dimensions in parentheses are in millimeters.

400 SERIES PRODUCT PERFORMANCE



PERFORMANCE STANDARDS

The Window and Door Manufacturers Association (WDMA), the American Architectural Manufacturers Association (AAMA) and the Canadian Standards Association (CSA) jointly release the North American Fenestration Standard/Specification for Windows, Doors and Skylights (NAFS-11) where “-11” refers to the most recent publication year of 2011. NAFS is also referred to as AAMA/WDMA/CSA 101/I.S.2/A440, which is how the International Code Council (ICC) lists this standard in the 2012, 2015 and 2018 International Residential Code (IRC) and International Building Code (IBC) as the means to indicate the window, door or skylights design pressure rating used to determine compliance to the jobsite design pressure requirements.

A product only achieves a “Performance Grade” or “PG” rating when it complies with all of the NAFS performance requirements such as ease of operation, air infiltration resistance, resistance to water penetration and resistance to forced entry, etc. A “Design Pressure Rating” or “DP” rating only depicts the design and structural load performance.

Performance Classes

The NAFS Standard/Specification defines requirements for four performance classes. Performance classes are designated R, LC, CW and AW. This classification system provides for several levels of performance. Product selection is always based on the performance and building code requirements of the particular project.

Elements of Performance Grade (PG) Designations

In order to qualify for a given performance grade (PG), test specimens need to pass all required performance tests for the following, in addition to all required auxiliary (durability) and applicable material/component tests (not shown here) for the applicable product type and desired performance class:

- (a) Operating force (if applicable):** Maximum operating force varies by product type and performance class.
- (b) Air leakage resistance:** Tested in accordance with ASTM E283 at a test pressure of 1.57 psf. Allowable air infiltration for R, LC and CW class designations is 0.3 cubic feet per minute per square foot of frame (cfm/ft²).
- (c) Water penetration resistance:** Tested in accordance with ASTM E547 with the specified test pressure applied per NAFS-11. Test consists of four cycles. Each cycle consists of five minutes with pressure applied and one minute with the pressure released, during which the water spray is continuously applied. Water spray shall be uniformly applied at a constant rate of 5 U.S. gal/ft² · hr.
- (d) Uniform load deflection test:** Tested in accordance with ASTM E330 for both positive and negative pressure (pressure defined by NAFS-11) with the load maintained for a period of 10 seconds. The test specimen shall be evaluated for deflection during each load for permanent damage after each load and for any effects on the normal operation of the specimen. *Starting with the 2008 version of NAFS, design pressure (DP) will only represent the “uniform load deflection test.”*
- (e) Uniform load structural test:** Tested in accordance with ASTM E330 for both positive and negative pressure (pressure defined by NAFS-11) with the load maintained for a period of 10 seconds. After loads are removed, there shall be no permanent deformation in excess of 0.4% of its span and no damage to the unit, which would make it inoperable.
- (f) Forced-entry resistance (if applicable):** Tested in accordance with ASTM F588 (windows), F476 (swinging doors) and F842 (sliding doors) at a performance level 10 rating.

Performance Grades (PG) and Corresponding Test Pressures (psf)

Performance Class/ Performance Grade		Air Infiltration Test Pressure		Maximum Allowable Air Infiltration/ Exfiltration Rate		Water Penetration Resistance Test Pressure		Design Pressure		Structural Test Pressure	
R	LC	Pa	psf	L/s·m ²	cfm/ft ²	Pa	psf	Pa	psf	Pa	psf
15	-	75	1.57	1.5	0.30	140	2.92	720	15.04	1080	22.56
20	-	75	1.57	1.5	0.30	150	3.13	960	20.05	1440	30.08
25	25	75	1.57	1.5	0.30	180	3.76	1200	25.06	1800	37.59
30	30	75	1.57	1.5	0.30	220	4.59	1440	30.08	2160	45.11
35	35	75	1.57	1.5	0.30	260	5.43	1680	35.09	2520	52.63
40	40	75	1.57	1.5	0.30	290	6.06	1920	40.10	2880	60.15
45	45	75	1.57	1.5	0.30	330	6.89	2160	45.11	3240	67.67
50	50	75	1.57	1.5	0.30	360	7.52	2400	50.13	3600	75.19
55	55	75	1.57	1.5	0.30	400	8.35	2640	55.14	3960	82.71
60	60	75	1.57	1.5	0.30	440	9.19	2880	60.15	4320	90.23
65	65	75	1.57	1.5	0.30	470	9.82	3120	65.16	4680	97.74
70	70	75	1.57	1.5	0.30	510	10.65	3360	70.18	5040	105.26
75	75	75	1.57	1.5	0.30	540	11.28	3600	75.19	5400	112.78
80	80	75	1.57	1.5	0.30	580	12.11	3840	80.20	5760	120.30
85	85	75	1.57	1.5	0.30	580	12.11	4080	85.21	6120	127.82
90	90	75	1.57	1.5	0.30	580	12.11	4320	90.23	6480	135.34
95	95	75	1.57	1.5	0.30	580	12.11	4560	95.24	6840	142.86
100	100	75	1.57	1.5	0.30	580	12.11	4800	100.25	7200	150.38

HALLMARK CERTIFICATION

The Window and Door Manufacturers Association (WDMA)-sponsored Hallmark Certification Program provides manufacturers with certification to the AAMA/WDMA/CSA 101/I.S.2/A440-11 Standard and is designed to provide builders, architects, specifiers and consumers with an easily recognizable means of identifying products that have been manufactured and tested in accordance with NAFS (AAMA/WDMA/CSA 101/I.S.2/A440) industry standards and other applicable performance standards. Conformance is determined by periodic in-plant inspections by a third-party administrator. Inspections include auditing licensee quality control procedures and processes, and a review to confirm products are manufactured in accordance with the appropriate performance standards. Periodic testing of representative product constructions and components by an independent testing laboratory is also required. When all of the program requirements are met, the licensee is authorized to use the WDMA Hallmark registered logo on their certification label as a means of identifying products and their performance ratings.

Products successfully obtaining Hallmark Certification will be labeled with a three-part code, which includes performance class, performance grade and size tested. In addition to this mandatory requirement, you are allowed to list the design pressure on a separate line.

	Andersen Corporation 400 SERIES CASEMENT WINDOW Manufacturer stipulates certification as indicated below.
STANDARD	RATING
AAMA/WDMA/CSA 101/I.S.2/A440-11	Class LC ⁽¹⁾ – PG50 ⁽²⁾ – Size Tested 56 x 71.8 in. ⁽³⁾ DP+50/-50 ⁽⁴⁾
AAMA/WDMA/CSA 101/I.S.2/A440-08	Class LC ⁽¹⁾ – PG50 ⁽²⁾ – Size Tested 56 x 71.8 in. ⁽³⁾ DP+50/-50 ⁽⁴⁾

- (1) – Performance Class
- (2) – Performance Grade
- (3) – Size Tested
- (4) – Design Pressure

In the example above, the performance class is LC, the performance grade (PG) is 50 pounds per square foot (psf) and the size tested is 56" x 71.8". What this means to the specifier is, based on the performance grade chart, the laboratory-tested air infiltration was less than 0.3 cfm/ft² (test pressure is always 1.57 psf and the allowable airflow is 0.3 cfm/ft²), the product tested successfully resisted a laboratory water penetration test at a test pressure of 7.5 psf, the product tested successfully withstood a laboratory positive test pressure of 75 psf and a laboratory negative test pressure of 75 psf, and the product tested passed the laboratory requirements for operational force and forced-entry resistance. Based on this test, all products of the same design that are smaller than the tested size can be labeled with this product performance rating.

IMPORTANT

Building codes prescribe design pressure based on a variety of criteria (i.e., windspeed zone, building height, building type, jobsite exposure, etc.). Design pressures derived from Performance Grade (PG) test requirements should be used to determine compliance to building code required design pressures. Structural test pressures, which are tested at 1.5 times the design pressure, should not be used for determining design pressure code compliance. In the example above, a PG 50 performance grade rating, which passes a 50 psf design pressure, should be used for determining code compliance, not the structural test pressure of 75 psf.

If you need further details about how Andersen® products perform to this standard, contact your Andersen supplier.

If you need further information about the AAMA/WDMA/CSA 101/I.S.2/A440-11 standard or the Hallmark Certification Program, please contact: WDMA, 330 N. Wabash Avenue, Suite 2000, Chicago, IL 60611. Phone: 312-321-6802 Website: wdma.com

Where designated, Andersen products are tested, certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.

Performance Grade and Air Infiltration Ratings — 400 Series Windows

For current performance information, please visit andersenwindows.com.

Andersen® Product	AAMA/WDMA/CSA 101/LS.2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	Air Infiltration CFM/FT²
Casement Windows			
Single Stationary (CXW16)	Class LC-PG50 Size Tested 35" x 71"	50/50	< 0.2
Single Venting (CXW16-155, CX16-155)	Class LC-PG40 Size Tested 35" x 71"	40/40	< 0.2
Single Venting (CXW15)	Class LC-PG45 Size Tested 71" x 60"	45/45	< 0.2
Single Venting (CW16 and smaller)	Class LC-PG50 Size Tested 60" x 71"	50/50	< 0.2
Single Venting (CXW145 and smaller)	Class LC-PG50 Size Tested 71" x 52" *	50/50	< 0.2
Single Venting (CX15 and smaller)	Class LC-PG50 Size Tested 62" x 59" *	50/50	< 0.2
Twin Stationary (CXW245, CX25, CW26 and smaller)	Class LC-PG50 Size Tested 56" x 71" *	50/50	< 0.2
Twin Venting (CXW25)	Class LC-PG45 Size Tested 71" x 60"	45/45	< 0.2
Twin Venting (CXW245 and smaller)	Class LC-PG50 Size Tested 71" x 52"	50/50	< 0.2
Twin Venting (CX25 and smaller)	Class LC-PG50 Size Tested 62" x 59"	50/50	< 0.2
Twin Venting (CW26 and smaller)	Class LC-PG50 Size Tested 60" x 71"	50/50	< 0.2
Triple Venting (CW35 and smaller)	Class LC-PG40 Size Tested 84" x 60"	40/40	< 0.2
Triple Venting (C35 and smaller)	Class LC-PG50 Size Tested 71" x 60"	50/50	< 0.2
Casement/Awning Picture Windows (P5060 and smaller)	Class LC-PG70 Size Tested 59" x 71"	70/70	< 0.2
Casement/Awning Transom Windows (CTR32410 and smaller)	Class LC-PG70 Size Tested 84" x 12"	70/70	< 0.2
Casement Windows, PG Upgrade			
Single Stationary (tempered glass, CXW16)	Class LC-PG70 Size Tested 35" x 71"	70/70	< 0.2
Single Venting (CXW145 and smaller)	Class LC-PG70 Size Tested 35" x 52"	70/70	< 0.2
Single Venting (CX16 and smaller)	Class LC-PG70 Size Tested 31" x 71"	70/70	< 0.2
Twin Venting (CW26 and smaller)	Class LC-PG70 Size Tested 56" x 71"	70/70	< 0.2
Triple Venting (C35 and smaller)	Class LC-PG70 Size Tested 71" x 59"	70/70	< 0.2
Complementary Casement Windows			
Casement Venting	Class LC-PG50 Size Tested 35" x 84"	50/50	< 0.2
Casement Stationary	Class LC-PG60 Size Tested 120" x 78"	60/60	< 0.2
French Casement Venting	Class LC-PG30 Size Tested 56" x 72"	30/30	< 0.2
Awning Windows			
Single Stationary (AXW61)	Class LC-PG50 Size Tested 35" x 71"	50/50	< 0.2
Single Venting (AXW51 and smaller)	Class LC-PG35 Size Tested 59" x 35"	35/35	< 0.2
Single Venting (AX61 and smaller)	Class LC-PG35 Size Tested 72" x 31"	35/35	< 0.2
Twin Venting (AXW231 and smaller)	Class LC-PG35 Size Tested 71" x 36"	35/35	< 0.2
Triple Venting (AX3251 and smaller)	Class LC-PG35 Size Tested 84" x 31"	35/35	< 0.2
Triple Venting (A313 and smaller)	Class LC-PG35 Size Tested 35" x 71"	35/35	< 0.2
Picture Venting (PA4060 and smaller)	Class LC-PG35 Size Tested 48" x 71"	35/35	< 0.2
Awning Windows, PG Upgrade			
Single Stationary (tempered glass, AXW61)	Class LC-PG70 Size Tested 35" x 71"	70/70	< 0.2
Single, Twin and Triple Venting (AX3251 and smaller)	Class LC-PG60 Size Tested 84" x 31"	60/60	< 0.2
Triple Venting (A313 and smaller)	Class LC-PG60 Size Tested 35" x 71"	60/60	< 0.2

*"Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.

continued on next page

*This data is accurate as of May 2021. Due to ongoing product changes, updated test results or new industry standards, this data may change over time.

*Where designated, Andersen products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.

*Contact your Andersen supplier for more information.

*Window size tested is an integral twin or triple window, and qualifies the window listed under the same test.

400 SERIES PRODUCT PERFORMANCE



Performance Grade and Air Infiltration Ratings — 400 Series Windows *(continued)*

For current performance information, please visit andersenwindows.com.

Andersen® Product	AAMA/WDMA/CSA 101/LS2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	Air Infiltration CFM/FT²
Woodwright® Full-Frame Windows			
Double-Hung (3862 and smaller)	Class LC-PG30 Size Tested 45" x 76"	30/30	< 0.2
Double-Hung (cottage sash, 3862 and smaller)	Class R-20 Size Tested 45" x 76"	20/20	< 0.2
Arch Double-Hung (3862 and smaller)	Class LC-PG30 Size Tested 45" x 76"	30/30	< 0.2
Springline™ Single-Hung (3872 and smaller)	Class LC-PG30 Size Tested 45" x 86"	30/30	< 0.2
Picture (5662 and smaller)	Class LC-PG65 Size Tested 67" x 76"	65/65	< 0.2
Transom (6231 and smaller)	Class LC-PG70 Size Tested 75" x 39"	70/70	< 0.2
Woodwright Full-Frame Windows, PG Upgrade			
Double-Hung (3052 and smaller)	Class LC-PG50 Size Tested 37" x 64"	50/50	< 0.2
Arch Double-Hung (3054)	Class LC-PG50 Size Tested 37" x 64"	50/50	< 0.2
Springline Single-Hung (3057)	Class LC-PG50 Size Tested 37" x 67"	50/50	< 0.2
Woodwright Insert Windows			
Double-Hung (3862 and smaller)	Class R-PG25 Size Tested 45" x 77"	25/25	< 0.2
Double-Hung (cottage sash, 3862 and smaller)	Class R-PG20 Size Tested 45" x 68"	20/20	< 0.2
Picture (5662 and smaller)	Class LC-PG30 Size Tested 68" x 78"	30/30	< 0.2
Transom (6878 and smaller)	Class LC-PG30 Size Tested 68" x 78"	30/35	< 0.2
Tilt-Wash Full-Frame Windows			
Double-Hung (3862 and smaller)	Class LC-PG40 Size Tested 45" x 76"	40/40	< 0.2
Double-Hung (cottage sash, 3856 and smaller)	Class LC-PG40 Size Tested 45" x 68"	40/40	< 0.2
Double-Hung** (3876 and smaller)	Class LC-PG30 Size Tested 45" x 92"	30/35	< 0.2
Picture (5662 and smaller)	Class LC-PG50 Size Tested 67" x 76"	50/65	< 0.2
Transom (6231 and smaller)	Class LC-PG50 Size Tested 75" x 39"	50/50	< 0.2
Tilt-Wash Windows, PG Upgrade			
Double-Hung	Class LC-PG50 Size Tested 45" x 76"	50/50	< 0.2
Tilt-Wash Insert Windows			
Double-Hung (double lock)	Class R-PG20 Size Tested 45" x 92"	20/20	< 0.2
Double-Hung (single lock)	Class R-PG20 Size Tested 35" x 92"	20/20	< 0.2
Double-Hung	Class LC-PG30 Size Tested 45" x 76"	30/30	< 0.2
Gliding Windows (G65 and smaller)	Class LC-PG30 Size Tested 71" x 59"	30/30	< 0.2
Specialty Windows			
Arch (AFFW6080 and smaller)	Class LC-PG50 Size Tested 71" x 105"	50/50	< 0.2
Flexiframe® (12050 and smaller)	Class LC-PG50 Size Tested 144" x 60"	50/50	< 0.2
Springline (SP802 and smaller)	Class LC-PG50 Size Tested 96" x 72"	50/50	< 0.2
Specialty Windows, PG Upgrade			
Arch (tempered glass, AFFW6080 and smaller)	Class LC-PG70 Size Tested 71" x 105"	70/70	< 0.2
Flexiframe (tempered glass, 12050 and smaller)	Class LC-PG70 Size Tested 144" x 60"	70/70	< 0.2
Springline (tempered glass, SP802 and smaller)	Class LC-PG70 Size Tested 96" x 72"	70/70	< 0.2
Complementary Specialty Windows (direct-set, fixed)	Class LC-PG50 Size Tested 125" x 84"	50/50	< 0.2

* "Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.

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* Contact your Andersen supplier for more information.

** Window heights equal to or greater than 7'-4 9/16" (2250) and 7'-8 7/8" (2359) have interior and exterior brackets. Interior brackets, located on each side of the meeting rail, must be flipped up for proper product performance.

400 SERIES PRODUCT PERFORMANCE



Performance Grade and Air Infiltration Ratings – 400 Series Patio Doors

For current performance information, please visit andersenwindows.com.

Andersen® Product	AAMA/WDMA/CSA 101/1.S.2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	Air Infiltration CFM/FT ²
Frenchwood® Gliding Patio Doors			
Single Stationary	Class LC-PG40 Size Tested 50" x 95"	40/40	< 0.2
Two-Panel	Class LC-PG40 Size Tested 95" x 95"	40/40	< 0.2
Four-Panel (8')	Class LC-PG35 Size Tested 189" x 95"	35/35	< 0.2
Four-Panel (6'-11", 6'-8")	Class LC-PG25 Size Tested 189" x 82"	25/25	< 0.2
Frenchwood Hinged Inswing Patio Doors			
Single Active	Class LC-PG40 Size Tested 107" x 95"	40/40	< 0.2
Two-Panel	Class LC-PG40 Size Tested 71" x 95"	40/40	< 0.2
Three-Panel	Class LC-PG40 Size Tested 107" x 95"	40/40	< 0.2
Frenchwood Patio Door Sidelights	Class LC-PG40 Size Tested 18" x 95"	40/40	< 0.2
Frenchwood Patio Door Transoms	Class LC-PG40 Size Tested 71" x 21"	40/40	< 0.2
Complementary Springline™ and Arch Hinged Inswing Patio Doors			
Single Stationary	Class LC-PG45 Size Tested 37" x 95"	45/45	< 0.2
Single Active†	Class LC-PG45 Size Tested 37" x 95"	45/45	< 0.2
Two-Panel Stationary	Class LC-PG45 Size Tested 75" x 95"	45/45	< 0.2
Two-Panel Active†	Class LC-PG45 Size Tested 75" x 95"	45/45	< 0.2
Complementary Springline and Arch Hinged Outswing Patio Doors			
Single Stationary	Class LC-PG45 Size Tested 37" x 95"	45/45	< 0.2
Single Active†	Class LC-PG45 Size Tested 37" x 95"	45/45	< 0.2
Two-Panel Stationary	Class LC-PG45 Size Tested 75" x 95"	45/45	< 0.2
Two-Panel Active†	Class LC-PG45 Size Tested 75" x 95"	45/45	< 0.2

*Performance Grade (PG) ratings may vary from tested performance rating for larger or smaller units of a particular type.

†This data is accurate as of May 2021. Due to ongoing product changes, updated test results or new industry standards, this data may change over time.

• Where designated, Andersen products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.

• Contact your Andersen supplier for more information.

†Tested with standard multi-point hardware.

400 SERIES PRODUCT PERFORMANCE



Sound Transmission Ratings for 400 Series Windows and Patio Doors

For current performance information, please visit andersenwindows.com.

Andersen® Product	Test Size	Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)
Casement Windows	36" x 72"	26	22
Awning Windows	30" x 60"	26	21
Casement/Awning Picture Windows	60" x 72"	29	25
Woodwright® Double-Hung Windows			
Double-Hung Full-Frame	46" x 77"	28	23
Picture Full-Frame	48" x 48"	28	23
Transom Full-Frame	40" x 46"	28	22
Double-Hung Insert	20" x 60"	26	21
Picture Insert	53" x 78"	30	26
Transom Insert	53" x 78"	30	26
Tilt-Wash Double-Hung Windows			
Double-Hung Full-Frame	46" x 78"	29	24
Picture Full-Frame	68" x 77"	30	25
Transom Full-Frame	-	-	-
Double-Hung Insert	32" x 76"	27	24
Picture Insert	-	-	-
Transom Insert	-	-	-
Gliding Windows	72" x 60"	26	22
Specialty Windows	72" x 60"	30	25
Complementary Specialty Windows	72" x 60"	30	25
Frenchwood® Gliding Patio Doors			
Single Stationary	50" x 80"	31	26
Two-Panel	72" x 80"	31	26
Four-Panel	-	-	-
Frenchwood Hinged Inswing Patio Doors			
Single Active	36" x 80"	30	26
Two-Panel	72" x 80"	30	26
Three-Panel	-	-	-
Frenchwood Patio Door Sidelights & Transoms			
Sidelight	18" x 82"	32	26
Transom	72" x 22"	29	25
Complementary Springline™ & Arch Hinged Inswing Patio Doors			
Single Active	38" x 90"	30	25
Two-Panel	75" x 90"	30	25
Complementary Springline & Arch Hinged Outswing Patio Doors			
Single-Panel	38" x 90"	31	25
Two-Panel	75" x 90"	31	25

- * "Sound Transmission Class (STC)" and "Outdoor/Indoor Transmission Class (OITC)" ratings are for individual units based on independent tests and represent entire unit.
- * This data is accurate as of May 2021. Due to ongoing product changes, updated test results or new industry standards, this data may change over time.
- * Contact your Andersen supplier for more information.



ENTRY DOORS



**HANDCRAFTED PREMIUM
WOOD ENTRY DOORS**



EXPAND YOUR VIEW

ENTRY DOOR STYLES

All styles available with wood or clad exteriors, as single or double doors, and with inswing or outswing operation. Doors are offered in standard and custom sizes.

Arts & Crafts
Glass Panel



402



403



404

**Arts & Crafts
(403)**
Shown in oak



Straightline
Full Panel



178



195



193



180

Straightline
Glass Panel



181



194



179



334



102

Gothic, Elliptical, Arch and Springline™ door styles are also available. Visit andersenwindows.com/entrydoors or contact your Andersen supplier for more information.

SIDELIGHTS & TRANSOMS

To provide seamless alignment with Straightline or Arts & Crafts style entry doors, sidelights and transoms are available. For more information, visit andersenwindows.com/entrydoors.



REALIZE YOUR VISION

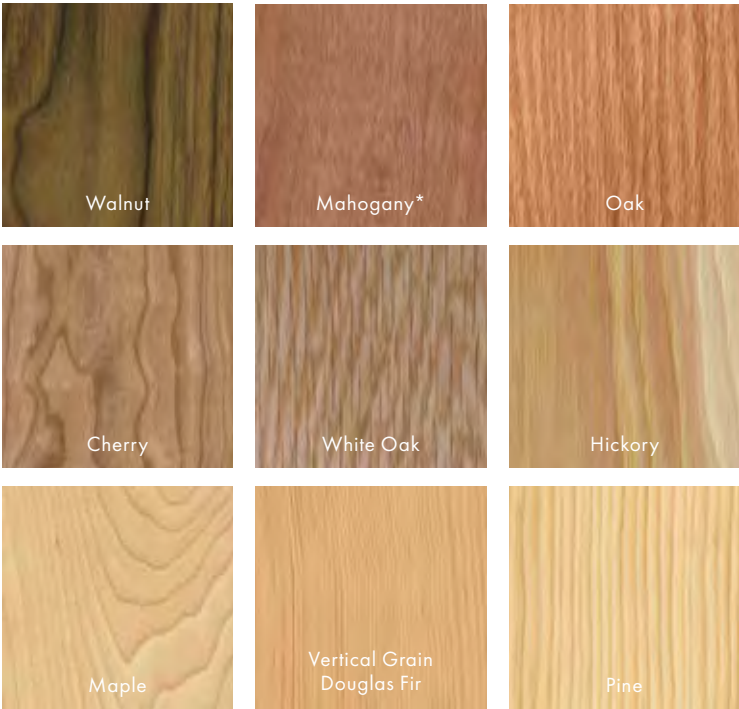
INTERIOR AND EXTERIOR WOOD SPECIES

Select from an expansive array of the finest grades of wood species to add warmth and beauty to your home’s entranceway. Available on both the interior and exterior of your door.



Brick Mould and Interior Casings

A variety of exterior brick mould and interior casing profiles are available.



*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Naturally occurring variations in grain, color and texture of wood makes each window or door one of a kind. Printing limitations prevent exact replication of finishes. Please see your Andersen supplier for actual finish samples.



COLOR OPTIONS

Make a bold first impression with color – choose from 50 commercial-grade, aluminum exterior color options. On the interior of the door, choose from our painted options or enjoy the look of unfinished wood.

Exterior Colors

Colony White	White	Abalone	Balsa White	Canvas	Maple Syrup	Harvest Gold	Prairie Grass	Flagstone
Sandtone	Pebble Tan	Carmel	Terratone	Hot Chocolate	Bourbon	Acorn	Coffee Bean	Cocoa Bean
Sierra Bronze	Dark Bronze	Clay Canyon	Red Rock	Cardinal	Bing Cherry	Fire Engine Red	Cinnamon Toast	Olive
Sage	Billiard Green	Moss	Forest Green	Mallard Green	Spearmint	Aquamarine	Patina	Sky Blue
Country Blue	Blue Denim	Watercolor Blue	Caribbean Blue	Slate	Moody Blue	Stormy Blue	Dove Gray	Harbor Mist
Yorktown Pewter	Smokey Gray	Mystic Gray	Dark Ash	Black	 Custom			

Interior Painted Options

White	Birch Bark	Primed (for paint)	Canvas	Prairie Grass	Sandtone	Terratone	Cocoa Bean
Dark Bronze	Red Rock	Forest Green	Dove Gray	Black	Anodized Silver	 Custom	

Available on pine. Black and dark bronze also available on maple. Anodized silver available only on maple.

ADD A VISUAL ACCENT

Add a carefully considered detail to your home’s overall look with Andersen® hardware or have your door prepped for hardware manufactured by others.

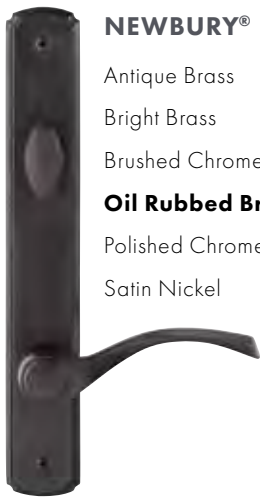
HARDWARE OPTIONS*



ANVERS®
Bright Brass
Oil Rubbed Bronze
Satin Nickel



YUMA®
Distressed Bronze
Distressed Nickel



NEWBURY®
Antique Brass
Bright Brass
Brushed Chrome
Oil Rubbed Bronze
Polished Chrome
Satin Nickel



ALBANY
Black
Gold Dust
Stone
White

HARDWARE FINISHES



Antique Brass



Black



Bright Brass



Brushed
Chrome



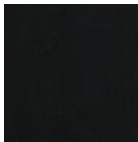
Distressed
Bronze



Distressed
Nickel



Gold Dust



Oil Rubbed
Bronze

FSB® HARDWARE*

Durable FSB hinged door hardware features clean lines and a sleek finish for a thoroughly modern look.



1035



1075



1076



1102**



Black Anodized
Aluminum



Satin
Stainless Steel

Black Anodized Aluminum
Satin Stainless Steel

Satin Stainless Steel

*Hardware sold separately.

**FSB style 1102 is not available in black anodized aluminum.

Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples.

*FSB® is a registered trademark of Franz Schneider Brakel GmbH & Co.

BRIGHTEN YOUR VIEW

Glass can affect energy efficiency more than any other part of a door. Choose from these High-Performance glass options for your climate and home.

GLASS	ENERGY		LIGHT	
	U-Factor How well a product prevents heat from escaping.	Solar Heat Gain Coefficient How well a product blocks heat caused by sunlight.	Visible Light Transmittance How much visible light comes through a product.	UV Protection How well a product blocks ultraviolet rays.
SmartSun™ Thermal control similar to tinted glass, with visible light transmittance similar to Low-E4 glass.	● ● ● ○	● ● ● ●	● ● ● ○	● ● ● ●
SmartSun with HeatLock® Coating Applied to the room-side surface, it reflects heat back into the home and improves U-Factor values.	● ● ● ●	● ● ● ●	● ● ○ ○	● ● ● ●
Low-E4® Outstanding overall performance for climates where both heating and cooling costs are a concern.	● ● ● ○	● ● ● ○	● ● ● ○	● ● ● ○
Low-E4 with HeatLock Coating Applied to the room-side surface, it reflects heat back into the home and improves U-Factor values.	● ● ● ●	● ● ● ○	● ● ● ○	● ● ● ○
Sun Outstanding thermal control in southern climates where less solar heat gain is desired.	● ● ● ○	● ● ● ●	● ○ ○ ○	● ● ● ○
PassiveSun® Ideal for northern, passive solar construction applications where solar heat gain is desired.	● ● ● ○	● ○ ○ ○	● ● ● ○	● ● ● ○
Triple-Pane with Low-E coatings on two surfaces Three panes of glass combine with either argon gas blend air or Low-E coatings to provide enhanced energy performance.	● ● ● ●	● ● ● ○	● ● ● ○	● ● ● ●

Center of glass performance only. Ratings based on glass options as of May 2021. Visit andersenwindows.com/energystar for ENERGY STAR® map and NFRC total unit performance data.

Patterned Glass

Patterned glass lets in light while obscuring vision and adds a unique, decorative touch to your home. Cascade and Reed patterns can be ordered with either a vertical or horizontal orientation.



Cascade



Fern



Obscure



Reed



Satin Etch



Art Glass

With art glass from Andersen, you can add interest, create a focal point and make your doors stand out. These finely crafted inserts are available to complement any home's architecture. For more information, visit andersenwindows.com/artglass.

Arts & Crafts (403)

Shown in oak with Arts & Crafts art glass pattern.

CLASSIC™ STEEL

PREMIUM

garage doors



America's Favorite Garage Doors®



Model 9200, Short Elegant Panel with Optional Colonial 509 Window Design

intellicore®

insulation technology

Clopay Classic™ Steel Premium garage doors featuring Intellicore® insulation technology represent the ultimate smart choice for homeowners. Clopay's Intellicore® insulation is a proprietary polyurethane foam that is injected into our Premium doors, expanding to fill the entire structure. The result is a door with incredible strength and durability. Its dense insulation also produces a quieter door, and with one of the industry's leading R-values of 18.4, it provides year-round comfort and improved energy efficiency.



WARMER

Energy efficiency provides year-round comfort



QUIETER

Dense insulation reduces noise by up to 16 decibels



STRONGER

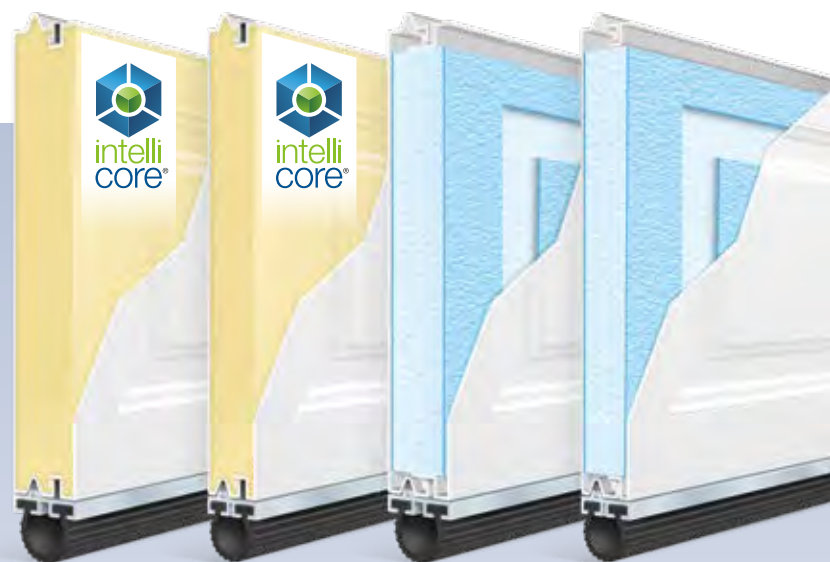
Enhanced strength resists everyday wear and tear

PREMIUM

Improve your home's appearance and energy efficiency with a Clopay Classic™ Steel Premium insulated garage door. Available with Intellicore® polyurethane insulation or bonded polystyrene insulation in 2" or 1-3/8" thicknesses, Premium models offer exceptional insulating R-values, strength and security, as well as quiet operation and a beautiful appearance. Choose from two panel styles, multiple color options and a wide range of window options to create a door that fits your budget and enhances your home's curb appeal.

3-LAYER CONSTRUCTION

- Weathertight tongue-and-groove section joints help seal out wind, rain and snow.
- Replaceable vinyl bottom weatherseal in a corrosion-resistant retainer helps seal out the elements.
- 2" thick polystyrene and all Intellicore® polyurethane insulation filled doors come standard with 10-ball nylon rollers and heavy-duty 14 gauge steel hinges.
- Clopay's Safe-T-Bracket® helps prevent serious injury that could occur if the bottom bracket were removed with the garage door closed and under tension.
- Prepainted Standard White end stiles and interior steel backing create a clean, finished appearance.
- Inside/outside step plates and grip handles make doors easy and safe to operate.
- 2" thick polystyrene and all Intellicore® polyurethane insulation filled doors comply with 2015 IECC air infiltration requirement of 0.40 cfm/ft² or less (IECC, Section C402.5.2).



2" 1-3/8"
Polyurethane Models

2" 1-3/8"
Bonded Polystyrene Models

27 GAUGE STEEL [†]	9200 short panel 9203 long panel
2" POLYURETHANE INSULATION	R-VALUE [*] 18.4

27 GAUGE STEEL [†]	4300 short panel 4310 long panel
2" POLYSTYRENE INSULATION	R-VALUE [*] 9.0

27 GAUGE STEEL [†]	9130 short panel 9133 long panel
1 3/8" POLYURETHANE INSULATION	R-VALUE [*] 12.9

27 GAUGE STEEL [†]	4050 short panel 4053 long panel
1 3/8" POLYSTYRENE INSULATION	R-VALUE [*] 6.5

^{*}Calculated door section R-value is in accordance with DASMA TDS-163.

[†]Models with Ultra-Grain® finish and Black paint options are 25 gauge steel.



*Model 9203, Long Elegant Panel with
Optional Charleston 608 Window Design*

DETAIL



Deep panel edging and natural embossed woodgrain texture improve appearance close-up and from the curb.

STYLE



Elegant Short

Complements homes with traditional styling. Models 9200, 9130, 4300 and 4050.



Elegant Long

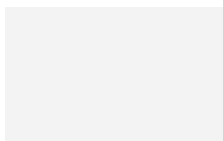
Ideal for ranch style homes. Models 9203, 9133, 4310 and 4053.

*Doors range from 6' to 16' high and 6'2" to 20' wide. Consult your Clopay Dealer for size options.
WINDCODE® Doors are available to meet most regional wind load requirements.
Consult your local dealer for specific information.*

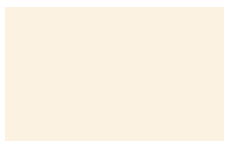


Model 4050, Short Elegant Panel
with Optional Colonial 509 Window Design

COLORS



Standard White



Almond



Desert Tan



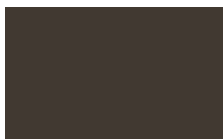
Sandtone



Bronze



Chocolate



Mocha Brown*



Hunter Green



Gray



Charcoal*



Black**

- Exterior steel on standard color doors has a natural woodgrain texture.
- Doors can be painted to match the home's exterior using a high-quality latex exterior paint. Do not use oil-based paint.

Due to the printing process, colors may vary. See your Clopay Dealer for color samples.

**Not available on Models 4050 and 4053.*

†Additional charges apply.

CUSTOM PAINT OPTION



Color Blast® finish offers more than 1,500 Sherwin-Williams® color options to complement your home. Clopay's durable two-part paint system has been thoroughly tested and is backed by a five-year warranty.



ULTRA-GRAIN® FINISH OPTION



Classic Medium Finish



Classic Cherry Finish



Classic Walnut Finish

*Due to the printing process, colors may vary.
Not available on Models 4050 or 4053.
Additional charges apply.*

- Painted steel surface simulates a real stained door without the need of staining and the ongoing maintenance of wood.
- The oak woodgrain pattern runs horizontal along the rails and vertical along the stiles and panels for an authentic, natural look.
- Available in Medium, Cherry or Walnut Classic finishes that complement Clopay Entry Doors, shutters and other exterior stained wood products.
- Exterior steel surface on an Ultra-Grain® finish door has a stucco texture to create a more natural woodgrain appearance.



*Model 4300, Short Elegant Panel;
Shown in Ultra-Grain® Classic Cherry Finish*



Model 9200, Short Elegant Panel with Plain Short Windows;
Shown in Ultra-Grain® Classic Cherry Finish

RUST-PREVENTION SYSTEM



Steel skins are protected through a tough, layered coating system, including a hot-dipped galvanized layer, a protective metal oxide pretreatment and a baked-on primer and top coat.

GREATER ENERGY EFFICIENCY



Thermal break* separates the interior from the exterior skin to improve energy efficiency and comfort.

**Thermal break is not present on Models 4050 and 4053.*

ENVIRONMENTAL ASSURANCE

Clopay doors are compliant with environmental laws and regulations. Clopay doors do not contain HFCs. All Clopay doors are compliant with:

- California SB 1013
- New Jersey A-5583/S-3919 – Greenhouse Gas Bill
- Washington HB 1112 – Hydrofluorocarbon Greenhouse Gas Emissions
- Canadian regulations amending the ozone-depleting substances and halocarbon alternatives regulations

WARRANTIES

PAINT SYSTEM	WINDOW	HARDWARE
LIMITED LIFE WARRANTY	LIMITED 10YR WARRANTY	LIMITED 3YR WARRANTY

WINDOW OPTIONS

Our windows add natural light to your garage while adding curb appeal to your home. All Clopay window frames are UV-protected and are color matched to our prefinished door colors. Window frames screw in from the inside for easy glass replacement or to change designs.

ARCHITECTURAL SERIES WINDOWS

These windows are from Clopay's Architectural Series, featuring a larger viewing area and are available on select models and heights. Short windows are 19-1/2" x 16" and long windows are 42" x 16".

Available
on These
Models

9200* 9133
9203 4300*
9130* 4310



Clear

Frosted

Seeded

Obscure

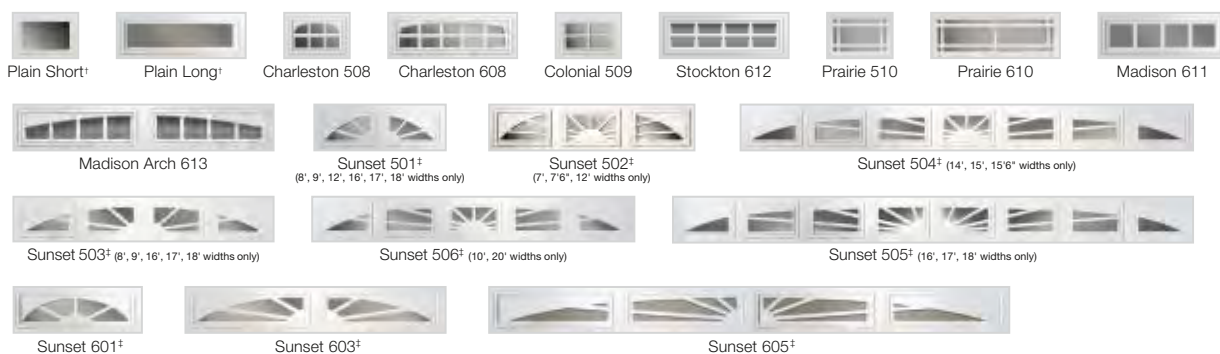
Rain

DECORATIVE INSERT SERIES WINDOWS

UV-protected cellular plastic insert designs snap into either the inside or outside of the window frame for easy cleaning or to change designs. Windows are offered in single strength, double strength, acrylic, obscure or insulated glass. Short windows are 19-1/2" x 12" and long windows are 40-1/2" x 12".

Available
on These
Models

9200* 4300*
9203 4310
9130* 4050*
9133 4053



Windows are available single pane or insulated in clear, frosted, obscure and rain designs. Clear acrylic also available.

Clear

Frosted

Obscure

Rain

Short windows not available on long panel doors.

* Panel emboss may not align with windows due to size difference. Some size limitations apply.

† Shown with clear glass. Acrylic and obscure glass optional.

‡ Sunset windows not available on Ultra-Grain® finish doors.

Additional charges for optional glass apply.

Acrylic windows require special cleaning. Never use products that contain ammonia or petroleum products to clean acrylic. Please visit www.clopaydoor.com/acrylic for complete details.



Visit clopaydoor.com or call 1-800-2CLOPAY (225-6729) for more information on Clopay, America's Favorite Garage Doors.

Follow us on



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RSR-PRM3LAYERSS-13_REV1122

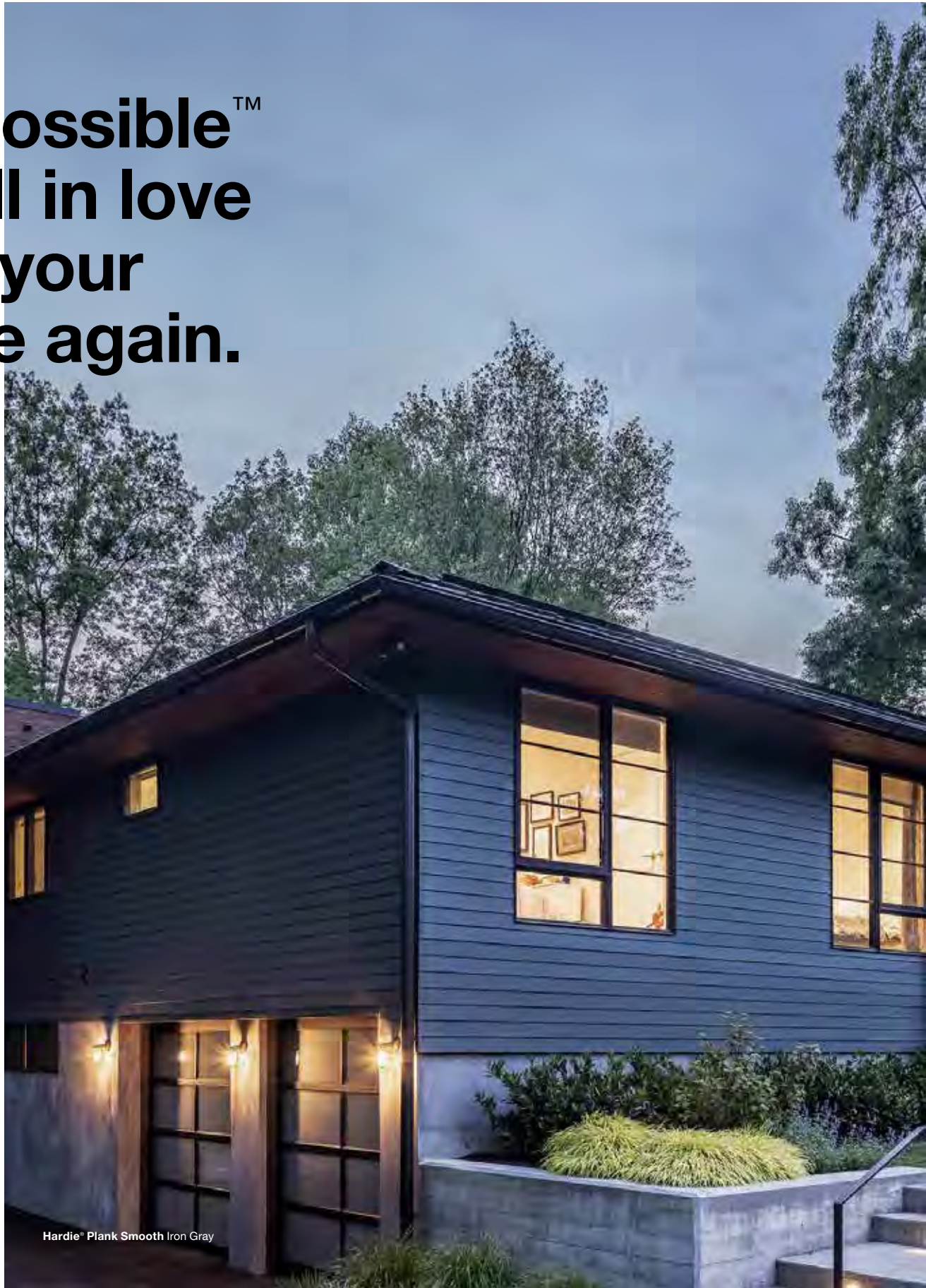
imagine



DESIGN YOUR DOOR
OPEN CAMERA
AND POINT!

**It's Possible[™]
to fall in love
with your
home again.**

South Central Product Catalog



Hardie® Plank Smooth Iron Gray

4	Endless Design Possibilities
6	Inspiration
8	Statement Collection™ Products
10	Dream Collection™ Products
12	Hardie® Plank
14	Hardie® Shingle
16	Hardie® Panel
18	Hardie® Trim
20	Hardie® Soffit
22	Complete Exterior by James Hardie™
24	Trusted Protection
26	Tougher than the Elements
28	Hardie™ Zone System
30	Unique Formulation
31	Sustainability
34	Long-Lasting Beauty
36	Finishing Technology
38	The James Hardie Difference
40	Warranty
42	Hardie™ Weather Barrier



Now is the time to bring your vision to life.

With endless design possibilities that embody your aesthetic, no matter how unique, Hardie® fiber cement exterior solutions give your home a beautiful design without having to sacrifice durability and protection. Trusted by homeowners on over 10 million homes* from coast to coast, and rated the #1 brand of siding in North America, it's clear that the vast product offerings from James Hardie can make the home you've always wanted possible. **Revel in the beauty of your home's gorgeous exterior with the unprecedented peace of mind that only Hardie® products can provide.** With James Hardie, your dream home is possible.

ENDLESS DESIGN POSSIBILITIES

With a wide variety of colors, products and textures, you can create the personalized home exterior design that reflects your unique style – and that you'll love for years to come.

TRUSTED PROTECTION

From non-combustible fire resistance to resisting pests, moisture and extreme weather, Hardie® fiber cement helps protect your home and everything you cherish.

LONG-LASTING BEAUTY

Enjoy the peace of mind that comes with a low-maintenance exterior, backed by a 30-year non-prorated substrate warranty.**



**Endless
design
possibilities.**

**Endless ways
to express
yourself.**



Products and colors that complement any style.

With a wide portfolio of products and over 700 pre-finished colors, creating your perfect design style is possible with Hardie® products.

Modern

Whether you crave clean lines and sleek profiles or bold hues, you'll find the perfect colors and styles to add a modern flair to your home that will be sure to make a lasting statement in your neighborhood.

Transitional

Transitional styles beautifully combine contemporary and traditional elements to create a design style that stands out. Mix your favorite profiles and colors to create a fresh look you'll love for years.

Traditional

Traditional homes offer timeless beauty that never goes out of style. Achieve the perfect balance between your home's character and your personal style with a variety of colors and products that add undeniable charm.



Hardie® Panel &
Hardie® Trim Batten
Iron Gray



Hardie® Shingle Kelly Green
Hardie® Trim Cobble Stone



Hardie® Panel & Hardie® Trim Batten Arctic White
Hardie® Plank Arctic White



Hardie® Plank Navajo Beige
Hardie® Trim Timber Bark



Hardie® Shingle Cobble Stone
Hardie® Trim Arctic White



Hardie® Panel Inlet Blue

Statement Collection™ Products

It's your turn to let your home stand out with our Statement Collection™ products. Curated by our design experts, this collection of Hardie® siding and trim products with ColorPlus® Technology finishes are unique to your home's region. This gorgeous selection is locally stocked in your area, making it easier than ever to find the exterior style of your dreams.

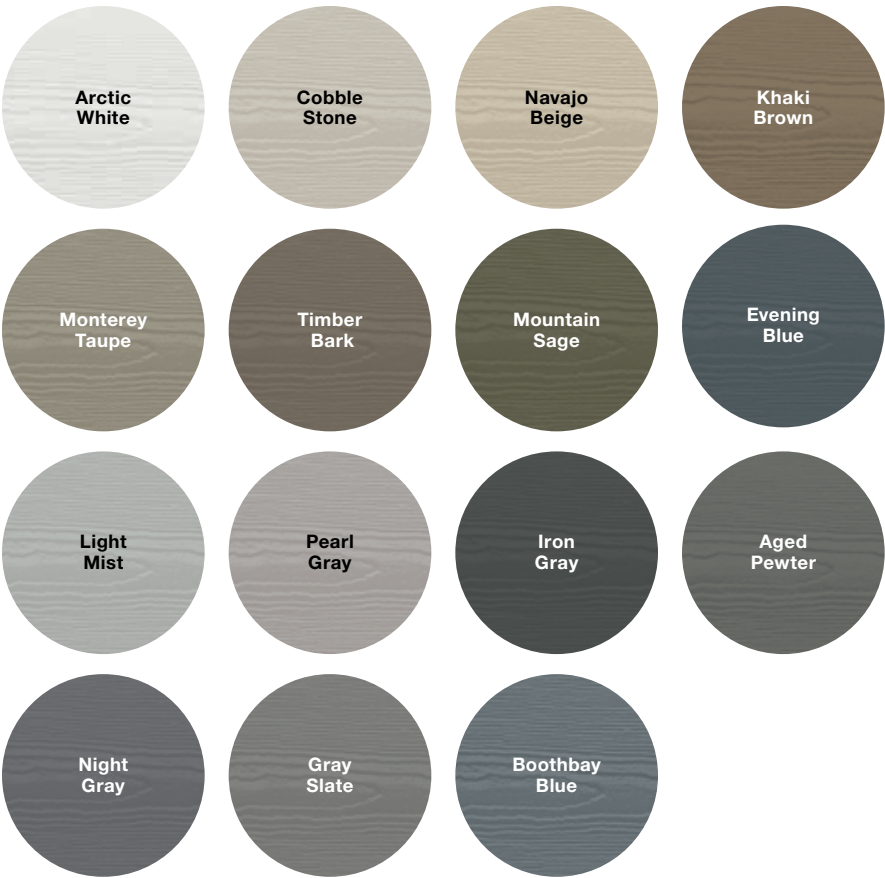
COLORPLUS® TECHNOLOGY

ColorPlus® Technology finishes combine distinct beauty and high performance in a way that no other finish does. They're the easiest way to choose a gorgeous pre-finished color for your house, and feel confident in its staying power.

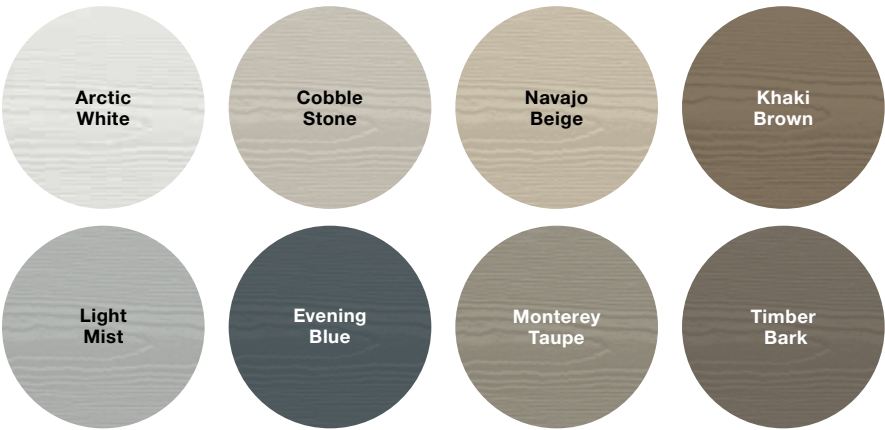


Scan code to request a sample.

Hardie® Plank Color Offering



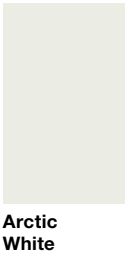
Hardie® Panel & Trim Batten Color Offering



Hardie® Trim Color Offering



Hardie® Soffit Color Offering



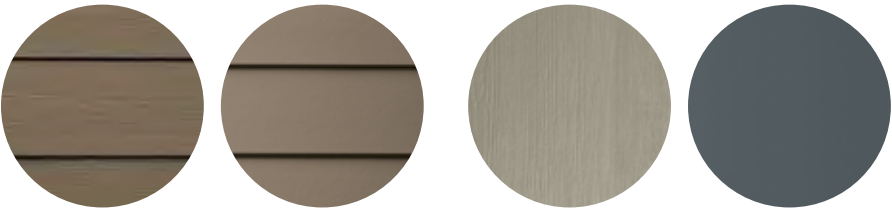
Hardie® Plank

Thickness 5/16 in
Length 12 ft planks

Select Cedarmill® & Smooth

Width 8.25 in

Exposure 7 in



Hardie® Panel

Thickness 5/16 in

Select Cedarmill® & Smooth

Size 4 ft x 10 ft

Hardie® Soffit

Thickness 1/4 in

Non-Vented Smooth

Width 16 in

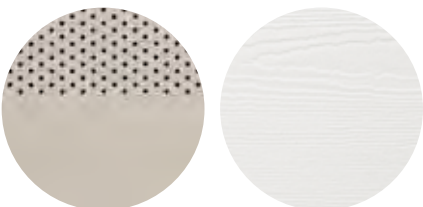
Length 12 ft



Vented and Non-Vented Select Cedarmill®

Width 16 in

Length 12 ft



Hardie® Trim

Length 12 ft

4/4 Rustic Grain

Thickness .75 in

Width 3.5 in 5.5 in 7.25 in



Batten Boards

Rustic Grain

Thickness .75 in

Width 2.5 in

Length 12 ft

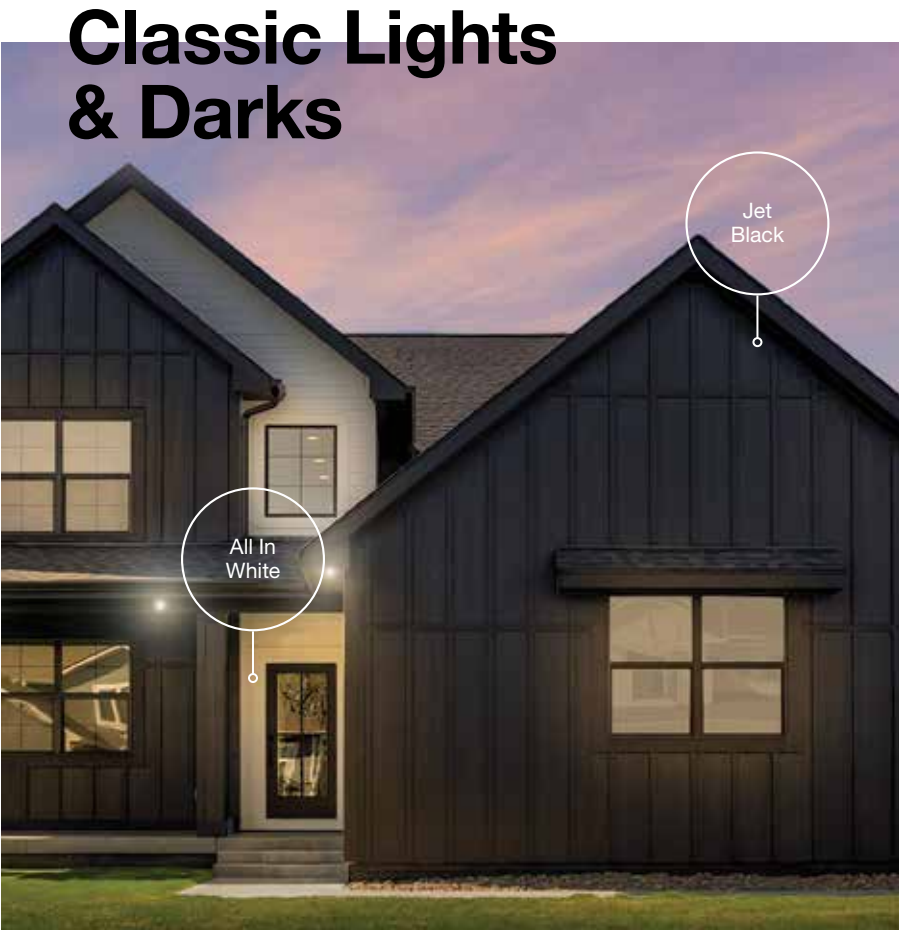


Dream Collection™ Products

Looking to further express your sense of style? Look to our Dream Collection™ products.

- Featuring a color palette of **over 700 ColorPlus® Technology finishes**
- Made to order in a wide array of Hardie® siding and trim styles
- Matches elevated design flexibility with the uncompromising performance of our fiber cement products

To see the full 700-color range of the Dream Collection™ products, visit jameshardie.com/dream



Scan code to view colors and request a product sample.



A classic look that stands the test of time.

Hardie® Plank

From Victorians to Colonials, Hardie® Plank is the perfect siding for your style, and has the durability and long-lasting beauty that can transform your home exterior. With endless gorgeous color and plank pairings available, you'll discover a Hardie® Plank style that transforms your home's aesthetic.



Hardie® Plank



Select Cedarmill®



Smooth



Beaded Cedarmill® & Smooth



Colonial Roughsawn & Smooth

Select Cedarmill® & Smooth		Thickness 5/16 in		Length 12 ft planks		
Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in	12 in
Exposure	4 in	5 in	6 in	7 in	8 in	10.75 in
Prime Pcs/Pallet	360	308	252	230	190	152
ColorPlus® Pcs/Pallet	324	280	252	210	—	—
Pcs/Sq.	25.0	20.0	16.7	14.3	12.5	9.3

Select Cedarmill®		Thickness 5/16 in		Length 12 ft planks		
Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in	12 in
Statement Collection™				•		
Dream Collection™	•	•	•	•		
Prime	•	•	•	•	•	•

Smooth		Thickness 5/16 in		Length 12 ft planks		
Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in	12 in
Statement Collection™						
Dream Collection™	•	•	•	•		
Prime	•	•	•	•	•	•

Beaded Select Cedarmill® & Beaded Smooth

Width	8.25 in
Exposure	7 in
ColorPlus® Pcs/Pallet	210
Pcs/Sq.	14.3
Statement Collection™	
Dream Collection™	•
Prime	

Colonial Roughsawn & Smooth

Width	8 in
Exposure	6.75 in
Primed Pcs/Pallet	240
Pcs/Sq.	14.9
Statement Collection™	
Dream Collection™	
Prime	•

Classic cedar style in cutting-edge material.

Hardie® Shingle

Restore the look of your grand Cape Cod home or add distinction to your handsome bungalow. Hardie® Shingle embodies the enchanting look of cedar shingles with lower maintenance. You can create your perfect exterior style using Hardie® Shingle around your entire home, or place it in accent areas for an added boost of charm you'll love.

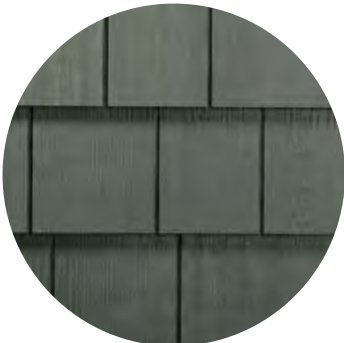
Better than the real thing, Hardie® Shingle resists rotting, curling, warping and splitting.



Hardie® Shingle



Staggered Edge Panel



Straight Edge Panel

Staggered Edge Panel	
Length	48 in
Height	15.25 in
Exposure	6 in
Prime Pcs/Pallet	100
ColorPlus® Pcs/Pallet	100
Sq/Pallet	2
Pcs/Sq.	50.0
Statement Collection™	
Dream Collection™	•

Prime •

Straight Edge Panel	
Length	48 in
Height	15.25 in
Exposure	7 in
Prime Pcs/Pallet	86
ColorPlus® Pcs/Pallet	86
Sq/Pallet	2
Pcs/Sq.	43.0
Statement Collection™	
Dream Collection™	•

Prime •

Designed for versatility and beautiful performance.

Hardie® Panel

Hardie® Panel delivers style and substance. When combined with Hardie® Trim Batten, it achieves the rustic board-and-batten look that defines your charming cottage or modern farmhouse. Its crisp, clean lines and ability to pair beautifully with other siding products make Hardie® Panel a smart choice for the home of your dreams.



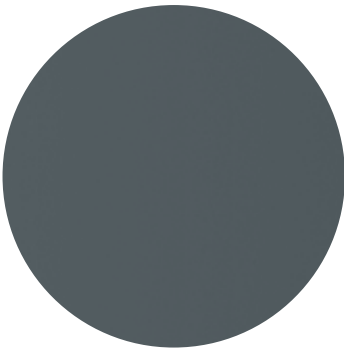
Hardie® Panel
Select Cedarmill®
Evening Blue

Hardie® Trim
Batten
Rustic Grain
Evening Blue

Hardie® Panel



Select Cedarmill®



Smooth



Stucco



Sierra 8

Select Cedarmill®, Smooth, Stucco & Sierra 8 Thickness 5/16 in

Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
Prime Pcs/Pallet	50	50	50
ColorPlus® Pcs/Pallet	50	—	50
Pcs/Sq.	3.2	2.8	2.5

Select Cedarmill®

Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
Statement Collection™			•
Dream Collection™	•		•
Prime		•	•

Smooth

Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
Statement Collection™			
Dream Collection™	•		•
Prime	•	•	•

Stucco

Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
Statement Collection™			
Dream Collection™	•		•
Prime	•	•	•

Sierra 8

Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
Statement Collection™			
Dream Collection™			
Prime	•	•	•

A finished look starts with beautiful trim.

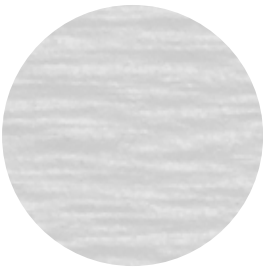
Hardie® Trim

Form meets function at every intersection with Hardie® Trim boards. With an authentic look, Hardie® Trim boards provide design flexibility for columns, friezes, doors, windows and other accent areas.

With higher performance to withstand damage from the elements compared to wood trim, Hardie® Trim is the perfect option for a long-lasting home. Hardie® Trim is a low-maintenance and durable accent for your exterior — adding an extra component of beauty to your home.



Hardie® Trim



4/4 Rustic Grain		Thickness .75 in		Length 12 ft boards	
Width		3.5 in	5.5 in	7.25 in	9.25 in 11.25 in
Prime Pcs/Pallet		322	184	138	115 92
ColorPlus® Pcs/Pallet		322	184	138	115 92
Statement Collection™		•	•	•	
Dream Collection™		•	•	•	•
Prime		•	•	•	•

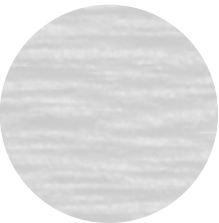
4/4 Smooth		Thickness .75 in		Length 12 ft boards	
Width		3.5 in	5.5 in	7.25 in	9.25 in 11.25 in
Prime Pcs/Pallet		322	184	138	115 92
ColorPlus® Pcs/Pallet		322	184	138	115 92
Statement Collection™					
Dream Collection™		•	•	•	•
Prime		•	•	•	•

5/4 Rustic Grain		Thickness 1 in		Length 12 ft boards	
Width		3.5 in	5.5 in	7.25 in	9.25 in 11.25 in
Prime Pcs/Pallet		238	136	102	85 68
ColorPlus® Pcs/Pallet		238	160	120	100 80
Statement Collection™					
Dream Collection™		•	•	•	•
Prime		•	•	•	•

5/4 Smooth		Thickness 1 in		Length 12 ft boards	
Width		3.5 in	5.5 in	7.25 in	9.25 in 11.25 in
Prime Pcs/Pallet		238	136	102	85 80
ColorPlus® Pcs/Pallet		238	160	120	100 80
Statement Collection™					
Dream Collection™		•	•	•	•
Prime		•	•	•	•

Batten Boards

Thickness	.75 in
Length	12 ft
Width	2.5 in
Prime Pcs/Pallet	437
ColorPlus® Pcs/Pallet	190



Rustic Grain	
Statement Collection™	•
Dream Collection™	•
Prime	•



Smooth	
Statement Collection™	
Dream Collection™	•
Prime	•

Protection in every detail, complete confidence in every area.

Hardie® Soffit

Every part of your home's exterior matters. With Hardie® Soffit panels, you can live confidently, knowing that gaps between eaves and exterior walls are covered to provide trusted protection.

DID YOU KNOW?

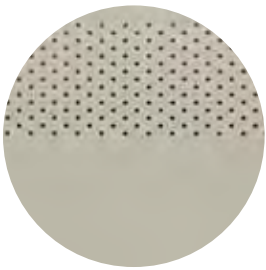
Using vented soffit improves ventilation and reduces the chance of water-vapor condensation that can promote mold, mildew and stains and which can damage your home's framing over time.

In warm climates, vented soffit allows hot, humid air to escape, which not only helps prevent condensation in the attic, but also helps reduce air-conditioning costs.

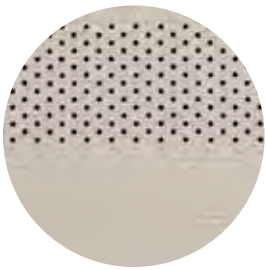
In cool climates, vented soffit helps prevent condensation from forming on the interior side of the roof sheathing and reduces the chances of roof-damaging ice dams.



Hardie® Soffit



Vented
Smooth



Vented
Select Cedarmill®



Non-Vented
Smooth



Non-Vented
Select Cedarmill®

Thickness 1/4 in				
Length	12 ft	12 ft	8 ft	8 ft
Width	12 in	16 in	24 in	48 in
Prime Pcs/Pallet	200	150	100	50
ColorPlus® Pcs/Pallet	216	156	108	—

Vented Smooth

Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in
Statement Collection™			
Dream Collection™	•	•	•
Prime	•	•	•

Vented Select Cedarmill®

Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in
Statement Collection™		•	
Dream Collection™	•	•	•
Prime	•	•	•

Non-Vented Smooth

Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in	8 ft x 48 in
Statement Collection™				
Dream Collection™	•	•	•	
Prime	•	•	•	•

Non-Vented Select Cedarmill®

Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in	8 ft x 48 in
Statement Collection™		•		
Dream Collection™	•	•	•	
Prime	•	•	•	•

Complete Exterior
by James Hardie™

Confidence and
beauty all around.

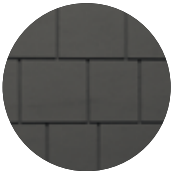


Scan code to visualize
Hardie® products on
your home.



Top to bottom, our exterior product line is defined by high performance, aesthetics and design options.

With a Complete Exterior by James Hardie™, you can bring your dream home to life without having to choose between protection and long-lasting beauty. Using products from a single, trusted manufacturer that offers exceptional warranties, you'll have complete peace of mind, so you can sit back, relax and enjoy your home's exterior.



Hardie® Shingle



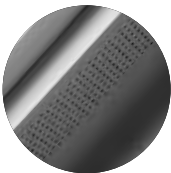
Hardie® Panel &
Hardie® Trim Batten



Hardie® Plank



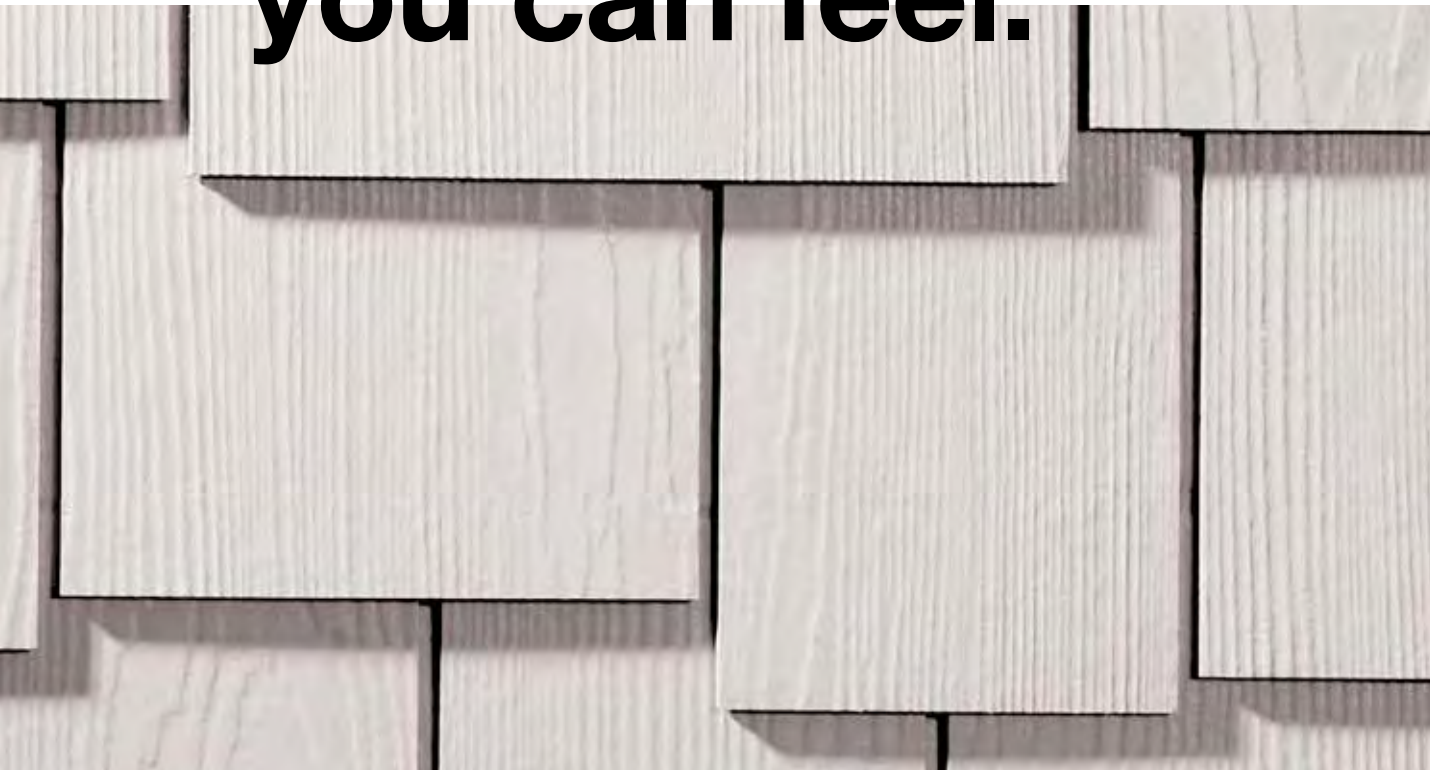
Hardie® Trim Boards



Hardie® Soffit

**Durability
you can trust.**

**Protection
you can feel.**



Tougher than the elements.



Fire

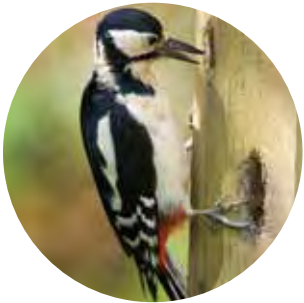
A home’s exterior is its first line of defense against extreme weather and fire. Prepare your home for the unpredictable with siding that is non-combustible, won’t burn and is recognized by fire departments nationwide.*

- Listed for use in wildfire-prone Wilderness Urban Interface (WUI) zones in the western US.

Cal-Fire Compliant



*Hardie® siding complies with ASTM E136 as a noncombustible cladding and is recognized by fire departments across the U.S. including Marietta, GA, Flagstaff, AZ and Orange County, CA. Fiber cement fire resistance does not extend to applied paints or coatings, which may be damaged or char when exposed to flames.



Pests

Mother Nature’s creatures can wreak havoc on wood-based siding. It can be pecked by birds or damaged by termites or other pests. Hardie® fiber cement holds no appeal for these critters, saving you the maintenance hassle.



Mother Nature

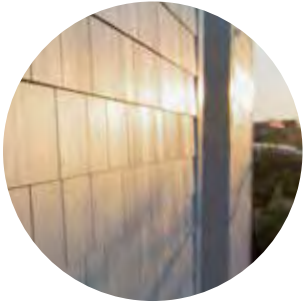
Your siding is exposed to Mother Nature all day, every day. You deserve to feel confident that it can hold its own throughout it all — from the changing seasons to extreme weather.

- FEMA Class 5 flood damage resistance (highest rating)
- Rated for use in High Velocity Hurricane zones by Miami-Dade County, Florida



Water Resistant

From rain to ice to snow, Mother Nature’s precipitation patterns leave wood exteriors at risk to cracking, swelling and warping. Take shelter from the storm knowing that your siding is built to resist water damage.



Time

ColorPlus® Technology finishes provide a durable finish that helps resist fading and discoloration that other paint applications may see more quickly over time, so your exterior can keep its good looks longer.

Exterior solutions inspired by nature and designed to help protect your home from it.

Hardie™ Zone System

Only Hardie® fiber cement exterior products are Engineered for Climate®, designed specifically with your climate zone in mind for optimal performance. In the northern USA and Canada, HZ5® products resist shrinking, swelling and cracking in wet or freezing conditions. HZ10® products help protect homes from hot, humid conditions, blistering sun and more.

With Hardie® siding and trim, your home's exterior will be as tough as it is beautiful.



The highest-quality materials for your highest satisfaction.

Unique Formulation HZ10® Substrate

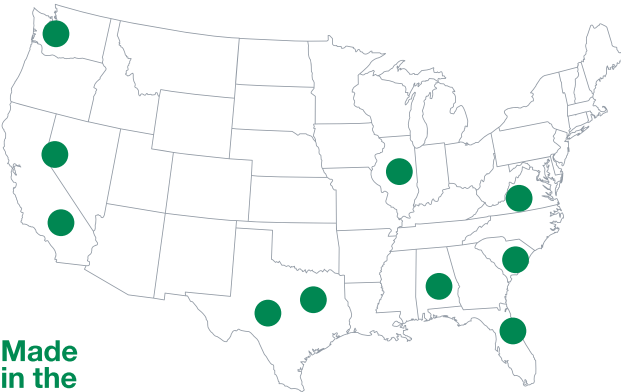
Not all fiber cement is the same. The Hardie® HZ10® product formulation contains the highest-quality raw materials. Our unique formulation, combined with innovative product design and manufacturing processes, creates a substrate that is specifically engineered to resist moisture, cracking, shrinking and swelling, for increased durability and workability.

Proprietary enhancements create durable Hardie® siding

Perfect balance of strength and workability
Our balance of high-quality Portland cement, sand and cellulose fiber delivers the best combination of strength and workability.

Enhanced moisture resistance for unmatched durability
Patented and proprietary additives are chemically bonded within the substrate matrix to provide durable moisture resistance.

Increased dimensional stability
Our siding is engineered at the microscopic level to create a fiber cement composite with superior dimensional stability that helps protect against shrinking and splitting.



Made
in the
USA

● James Hardie Manufacturing Plant



Unmatched investment in manufacturing scale and production innovation

- Largest manufacturer of fiber cement in North America
- 5x more capacity than our largest competitor
- More than 100 process and product quality checks
- 100+ scientists and engineers providing dedicated resources for continuous innovation in manufacturing and product development
- More U.S. fiber cement patents than any competitor

Building sustainable communities.

Sustainability is built into our DNA.

At James Hardie, our business is about building better communities that have a lower impact on our environment and are built to last. We operate with a global mindset and at the same time take great care in how our business affects households, our James Hardie community, the local communities in which we live and operate, and across the largest shared community of all, our global ecosystem. Building sustainable communities is at the forefront of our strategy and integral to our success.



Scan code to find out more about our sustainability efforts.



Adding value to our communities

We recognize our ability to impact the communities in which we live and work. While maintaining a global mindset, we put great care into how our business affects local communities. We contribute by sourcing, employing, delivering and giving locally.

Creating an impact

We invest in the local community and aim to locate the plants close to suppliers, customers and potential new employees, as well as sustainable transportation opportunities.

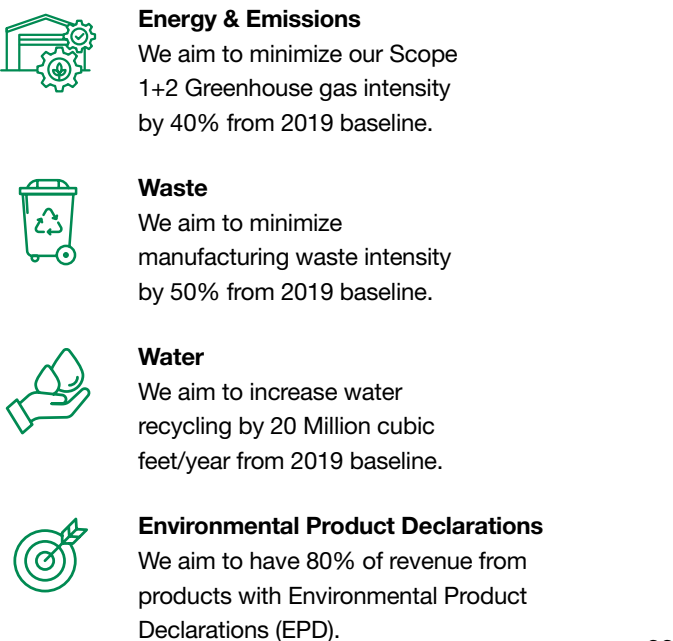


*Above statistics are the James Hardie impact from fiscal year 2022.

The right kind of impact

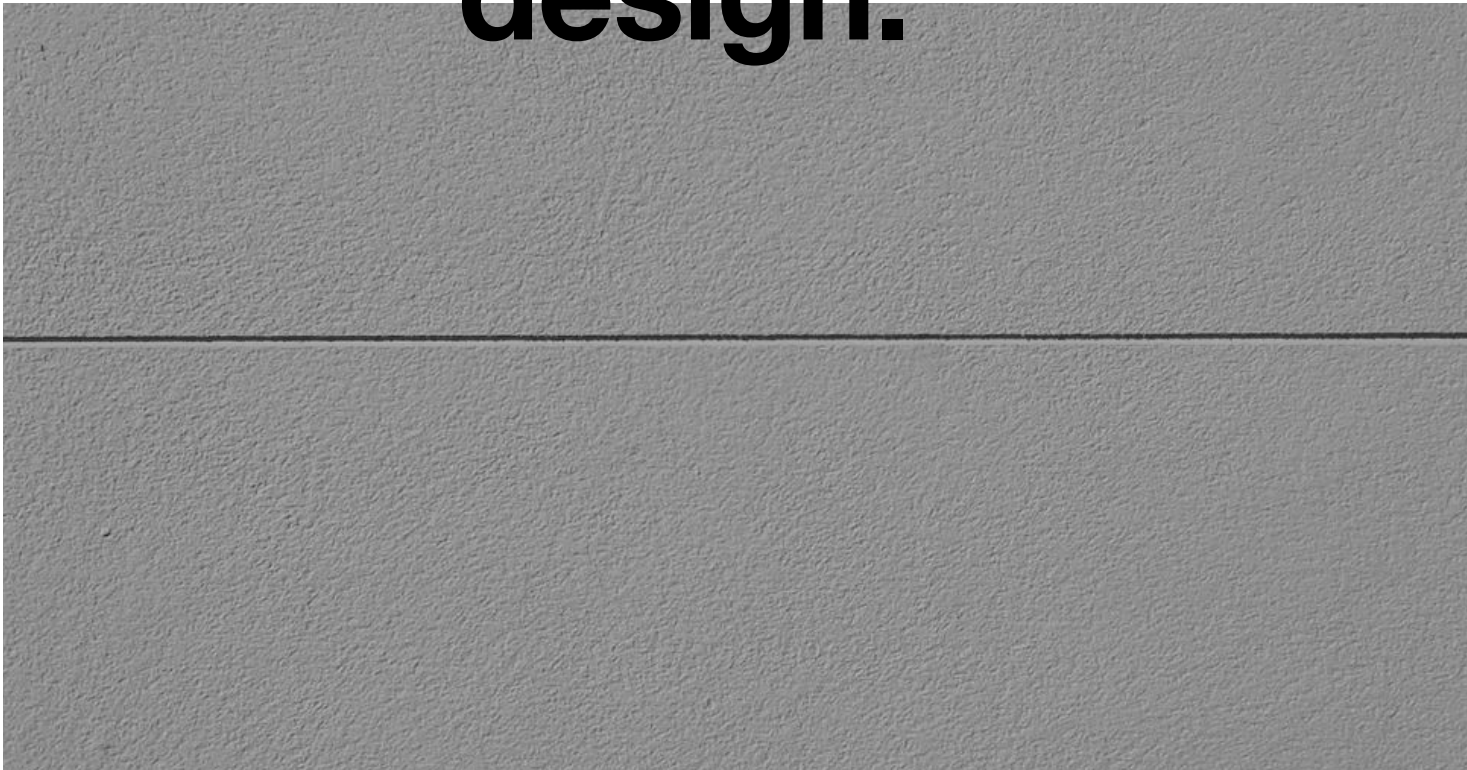
Having a sustainable impact means minimizing our impact on the environment while supporting resilient local communities. We are committed to minimizing our environmental impact, prioritizing the management of waste, water, energy and emissions.

2030 goals





**Long-lasting
beauty by
design.**



Beauty begins with a finish that lasts.

Hardie® Shingle Straight Edge Panel
Eden Green

Hardie® Trim Smooth
Arctic White

ColorPlus® Technology

ColorPlus® Technology finishes are fully cured on our boards in a controlled factory environment and arrive at your home ready for installation year-round. With prefinished color products, you'll have peace of mind, knowing you'll have a more consistent color and finish that doesn't depend on good weather.

With over 700 colors available, ColorPlus® Technology finishes offer endless design possibilities and help keep your home looking beautiful longer.



Finishing Technology

Primer

A quality primer is the first step to ensuring that the paint color you select expresses your home's true beauty now – and for years to come. Our distinctive primer is climate tested and engineered to enhance the performance of paint on Hardie® fiber cement exterior solutions. It helps to provide consistent, long-lasting paint adhesion, even in the most demanding conditions.

ColorPlus® Technology

Our advanced ColorPlus® Technology finishes deliver the ultimate in aesthetics and performance. Our products aren't simply painted at the factory. Our proprietary coatings are baked onto the board, creating a vibrant, consistent finish that performs better, lasts longer and looks brighter on your home.



Exceptional finish adhesion

Our proprietary coatings are engineered for exceptional adhesion to our substrate and applied to the surface, edges and features for durable performance.



Superior color retention

The finish is cured onto boards for a stronger bond, which allows for exceptional resistance to cracking, peeling and chipping.



Superior UV resistance

ColorPlus® Technology finishes are engineered to retain vibrancy and reduce fade or discoloration from UV rays.

Unparalleled beauty with unparalleled performance.

See the James Hardie difference

James Hardie invented modern fiber cement. Trusted by homeowners on over 10 million homes*, we continue to set the standard in premium, high-performance exterior cladding. Our products deliver uncompromising durability and finish quality for a beautiful, lower maintenance exterior.

Our unrivaled investment in R&D and constant innovations in product design, manufacturing and distribution allow us to remain steps ahead of the competition. With the support of our employees and partners, and with our exceptional warranties, we're committed to helping protect your home and investment every step of the way.



*Estimate based on total Hardie® siding sales through 2022 and average housing unit size.



Warranty — for peace of mind

Help protect your home with North America’s #1 brand of siding, backed by exceptional warranties. Unlike other brands, James Hardie doesn’t prorate our siding and trim substrate warranty coverage. We stand 100% behind our siding for 30 years and our trim for 15 years.

- Hardie® siding and soffit products come with a 30-year non-prorated limited substrate warranty.
- Hardie® trim products come with a 15-year non-prorated limited substrate warranty.
- ColorPlus® Technology finishes come with a 15-year prorated limited finish warranty.

Non-Prorated Siding Substrate Warranty Coverage by James Hardie



Year
10



Year
20



Year
30

Endorsements — a reputation built on trust

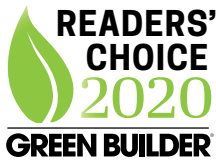
For decades, our fiber cement products have been used to create better places to live. Each new home stands as a testament to our uncompromising quality. That proven track record has earned us the loyalty of millions of homeowners and the endorsements of trusted authorities across the building industry.



Featured on
Magnolia Network’s Fixer Upper:
Welcome Home 2021



Featured on
HGTV’s
Urban Oasis 2022

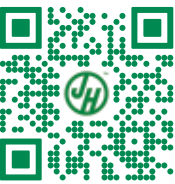


Green Builder Magazine
Readers’ Choice,
“Most Sustainable Product” 2020

Make your home stand up and stand out.

#1 Return on Investment*

Re-siding with fiber cement siding provides the #1 return on investment of any major exterior remodeling projects.



Scan code to
view the
Cost vs.
Value Report.



*Remodeling magazine 2021 Cost vs Value Report, national data for exterior home replacement projects over \$15,000. © 2021 Hanley Wood, LLC. Complete data from the Remodeling 2021.

FOR THE PROS

Protection that performs at every layer.

Hardie™ Weather Barrier

No exterior cladding can prevent 100% of water intrusion. Your home should have an additional line of defense. Hardie™ Weather Barrier provides a superior balance of water resistance and breathability, keeping the area within the wall drier. This helps prevent moisture accumulation that may lead to mold and mildew growth.



INSTALLATION ADVANTAGES

- Thicker, more durable material for easier, quicker installation
- Superior tear resistance helps prevent water infiltration
- Can be installed with staples in place of cap nails for cost savings
- Provides a higher level of performance, no matter what type of cladding you specify

Weather Barrier

Thickness	11 mil		
Length	100 ft	100 ft	150 ft
Width	3 ft	9 ft	9 ft

Pro-Flashing

Thickness	20 mil		
Length	75 ft	75 ft	75 ft
Width	4 in	6 in	9 in

Flex Flashing

Thickness	60 mil	
Length	75 ft	75 ft
Width	6 in	9 in

Seam Tape

Thickness	3.2 mil	
Length	164 ft	
Width	1-7/8 in	

Installation Done Right

INSTALLATION ACCESSORIES

Hardie™ Blade Saw Blades

Manufactured by Diablo, the Hardie™ Blade saw blade is designed specifically to cut fiber cement products and is the only saw blade James Hardie recommends. The blade creates clean, precise cuts while helping to reduce the amount of airborne dust produced.



PacTool® Gecko Gauge

The PacTool® Gecko Gauge is designed to improve the installation experience, allowing one person to hang Hardie® Plank lap siding during installation. Studies suggest the Gecko Gauge can improve the speed of solo installation by 30%.



Finishing Touches

COLORPLUS® TECHNOLOGY ACCESSORIES

Touch-Up Kits

Specially formulated to match ColorPlus® Technology finishes, our touch-up kits offer resistance to aging, color change and chalking. Estimated one kit per 4,000 sq ft of siding or 1,600 sq ft of trim.



Color-Matched Caulk

OSI® QUAD® MAX sealant offers a high-performance sealant solution to color match Statement Collection™ products.* About 18–20 linear feet per tube. Refer to packaging for manufacturer's recommendations.

*For matching Dream Collection™ products, contact your local James Hardie representative.

TRIM ACCESSORIES

Flat Tabs

Eliminate face nails and improve the aesthetic of trim applications around windows, doors and band boards.

Corner Tabs

Use corner tabs to eliminate face nail holes that would detract from the finished look of corner trim installations.



Scan code to view install and technical documents.



#MyHardieHome | 1.888.542.7343 | jameshardie.com



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TruDefinition®
DURATION®

Shingles with Patented SureNail® Technology
Tejas con tecnología patentada SureNail®



Driftwood¹



DEEP DIMENSION OUTSTANDING PERFORMANCE

Duration® Shingles offer:

- The high-performance of SureNail® Technology
- A TruDefinition® Color Platform
- A Limited Lifetime Warranty*[‡] for as long as you own your home
- The protection of a 130-MPH* wind warranty
- StreakGuard® Protection with a 25-year Algae Resistance Limited Warranty^{3/§}

UNA NUEVA DIMENSIÓN DESEMPEÑO SOBRESALIENTE

Las tejas Duration® ofrecen:

- El gran desempeño de la tecnología SureNail®
- La gama de colores TruDefinition®
- Una garantía limitada de por vida*[‡] mientras sea propietario de la vivienda
- La protección de una garantía contra vientos de hasta 210 km/h (130 mph)*
- Protección StreakGuard® con una garantía limitada de 25 años de resistencia a las algas ^{3/§}



Don't let black streaks lower the value or curb appeal of your home.

Owens Corning blends specialized copper-lined granules, developed by 3M, a leading producer of roofing granules, into our colorful shingles. This helps resist blue-green algae growth.*

No deje que las manchas de algas afecten al valor o aspecto de su vivienda.

En sus coloridas tejas, Owens Corning añade gránulos especiales con recubrimiento de cobre, desarrollados por 3M, un productor líder de gránulos para techos. Esto ayuda a prevenir la proliferación de algas azul-verdosas.*



THE FINISHING TOUCH

OWENS CORNING® HIP & RIDGE SHINGLES

Owens Corning® Hip & Ridge Shingles are uniquely color matched to TruDefinition® Duration® Shingles. The multiple color blends are only available from Owens Corning® Roofing and offer a finished look for the roof.

EL TOQUE FINAL

TEJAS DE LIMATESA Y CUMBRERA DE OWENS CORNING®

Las tejas de limatesa y cumbrera de Owens Corning® se ofrecen en una exclusiva gama de colores para combinar con las tejas Duration® TruDefinition®. Esta gran variedad de combinaciones de colores es una exclusividad de Owens Corning® Roofing para lograr techos con un acabado único.

TruDefinition® **DURATION®**

Shingles with Patented SureNail® Technology | Tejas con tecnología patentada SureNail®

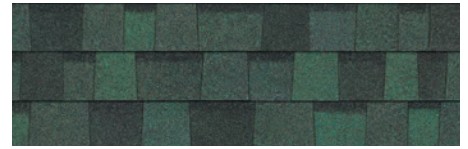


Amber¹

Not available in Service Area 8 | No se puede obtener en el área de distribución 8



Brownwood¹



Chateau Green¹



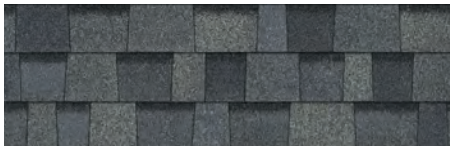
Colonial Slate¹



Desert Rose¹



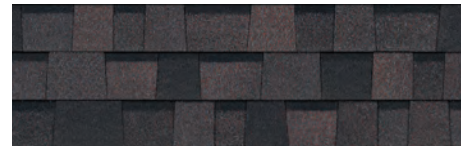
Driftwood¹



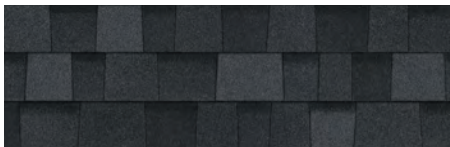
Estate Gray¹



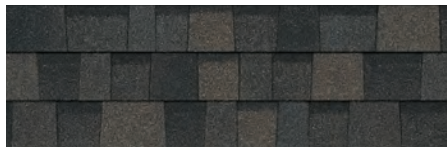
Harbor Blue¹



Midnight Plum^{1/5}



Onyx Black¹



Peppercorn¹

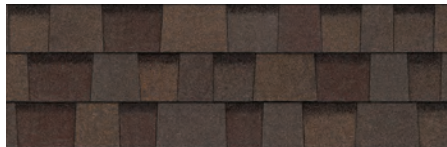


Shasta White¹

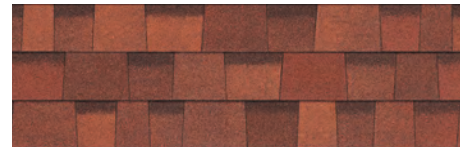
Not available in Service Area 8 | No se puede obtener en el área de distribución 8



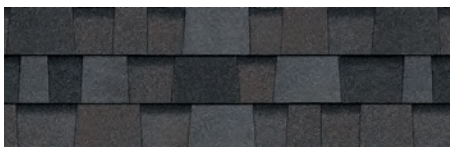
Sierra Gray¹



Teak¹



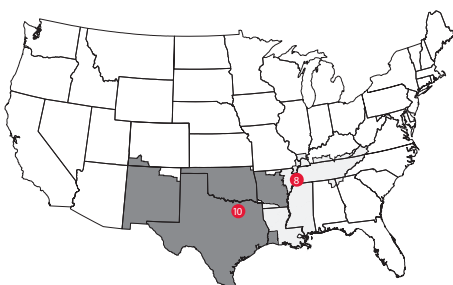
Terra Cotta¹



Williamsburg Gray¹

COLOR AVAILABILITY MAP

Disponibilidad de colores por zonas/región



COLOR DISCLAIMER

As color experts, we know getting the shingle color right is a big part of any roofing purchase. Due to printing color variations, in addition to viewing shingle literature, we suggest you request an actual shingle sample to see how it will appear on your home and with your home's exterior elements in various natural lighting conditions. Lastly, we recommend you verify your color choice by seeing it installed on an actual home; your roofing contractor or supplier can provide a sample and may be able to direct you to a local installation.

DESCARGO DE RESPONSABILIDAD SOBRE LOS COLORES

En tanto que especialistas en color, sabemos que obtener el color de teja perfecto es una parte importante en toda compra de techos. Debido a las variaciones en los colores impresos, además de mirar folletos de tejas, le sugerimos que solicite una muestra de la teja para ver como se verá en su hogar y con los elementos externos de la vivienda bajo distintas condiciones de luz natural. Finalmente, le recomendamos que para verificar su elección de colores, vea cómo lucen las tejas ya instaladas en una vivienda; su contratista de techos o su proveedor le pueden dar una muestra e incluso indicarle dónde ver un techo ya instalado.

THERE'S A LINE BETWEEN A GOOD SHINGLE AND A GREAT SHINGLE.[®]

It's the nailing line on your shingles. The difference between a good shingle and a great shingle is having Patented SureNail[®] Technology, only from Owens Corning.

HAY UNA GRAN DIFERENCIA ENTRE UNA BUENA TEJA Y UNA TEJA EXCELENTE[™]

Es la línea de clavado en su tejas. La diferencia entre una buena teja y una teja excelente es la tecnología patentada SureNail[®], una exclusividad de Owens Corning.

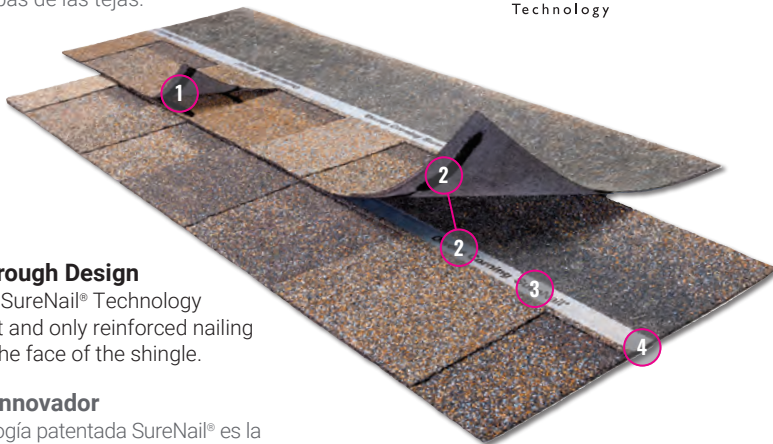
1

Excellent Adhesive Power

Helps keep the shingle layers laminated.

Excelente poder adhesivo

Ayuda a conservar el laminado de las capas de las tejas.



2

Breakthrough Design

Patented SureNail[®] Technology is the first and only reinforced nailing zone on the face of the shingle.

Diseño innovador

La tecnología patentada SureNail[®] es la primera y la única que provee un área de clavado reforzada en la cara de la teja.

"No Guess" Wide Nailing Zone

This tough, engineered woven-fabric strip is embedded in the shingle to create an easy-to-see, strong, durable fastener zone.

Área de clavado ancha, sin cálculos "a ojo"

Esta banda resistente de tela mecánica tejida está incrustada en la teja para proveer un área de sujeción resistente, duradera y fácil de detectar.

3

Outstanding Grip

The SureNail[®] strip enhances the already amazing grip of our proprietary Tru-Bond[®] sealant for exceptional wind resistance of a 130-MPH wind warranty.

Agarre excepcional

La banda SureNail[®] mejora el excelente agarre de nuestro sellador patentado Tru-Bond[®] con una garantía de resistencia al viento excepcional de 210 km/h (130 mph).

4

Triple Layer Protection[®]

A unique "triple layer" of reinforcement occurs when the fabric overlays the two shingle layers, providing increased protection against "nail pull" from the wind.

Triple Layer Protection[®]

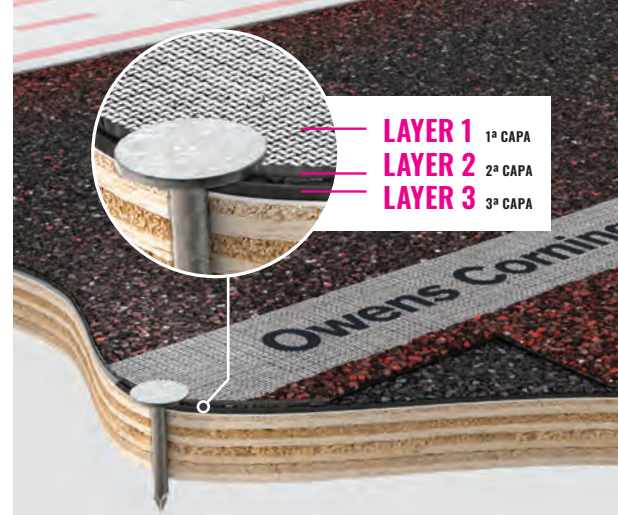
Cuando la tela cubre las dos capas de la teja, se forma una "triple capa" de refuerzo excepcional que ofrece una mayor protección ante el "arranque de clavos" debido al viento.

Double the Common Bond

SureNail[®] features up to a 200% wider bond between the shingle layers in the nailing zone over standard shingles.

Duplica la adherencia común

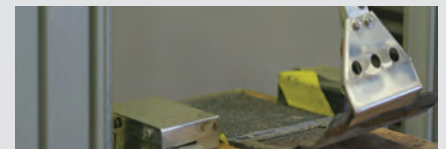
En comparación con las tejas comunes, SureNail[®] ofrece un área de unión hasta un 200 % más ancha entre las capas de la teja en el área de clavado.



LAYER 1 1ª CAPA
LAYER 2 2ª CAPA
LAYER 3 3ª CAPA

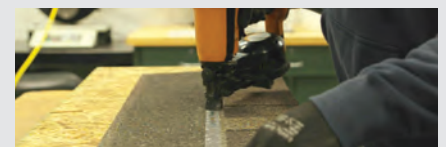
THE PROOF IS IN THE PERFORMANCE

LA PRUEBA ESTÁ EN EL DESEMPEÑO



Up to
2.5X
BETTER
NAIL PULL-THROUGH
RESISTANCE

Hasta
2.5
VECES MEJOR
RESISTENCIA A LA TRACCIÓN DE LOS CLAVOS



Up to
9X
BETTER
NAIL BLOW-THROUGH
RESISTANCE

Hasta
9
VECES MEJOR
RESISTENCIA AL DESPRENDIMIENTO DE LOS CLAVOS



Up to
2X
BETTER
DELAMINATION
RESISTANCE

Hasta
2
VECES MEJOR
RESISTENCIA A LA DELAMINACIÓN

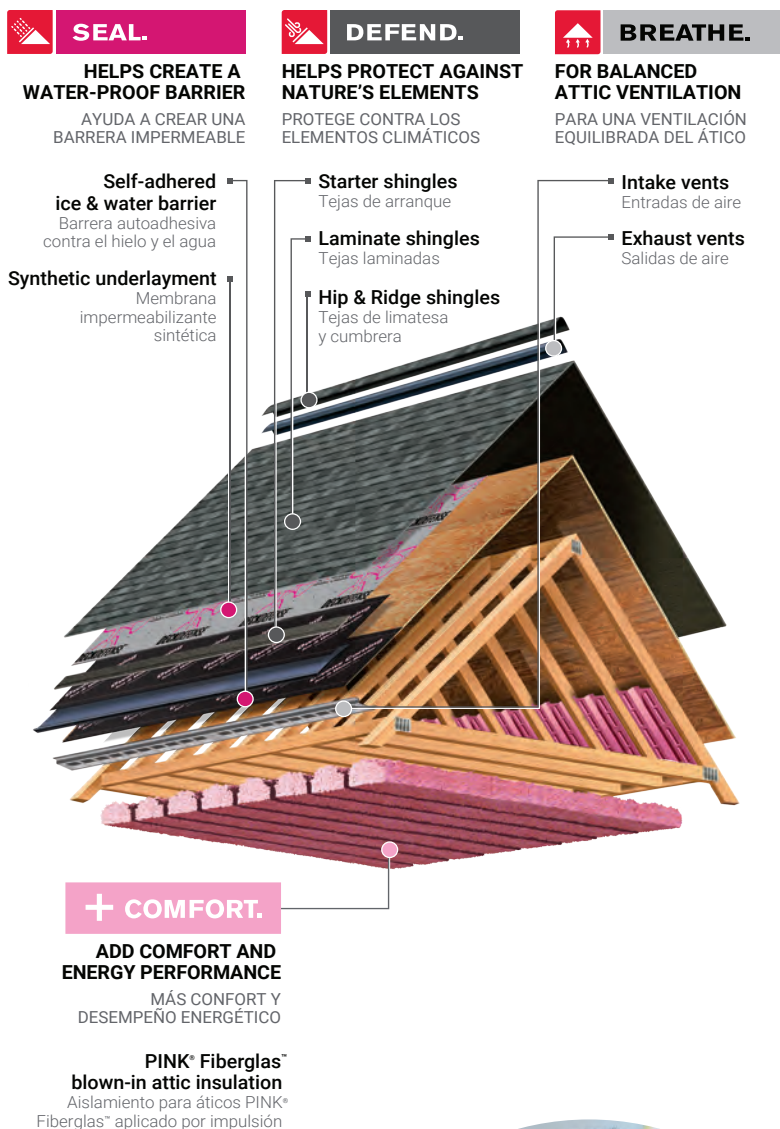


TOTAL PROTECTION SIMPLIFIED®

It takes more than just shingles to protect a home. It takes an integrated system of components and layers designed to perform in three critical areas. The Owens Corning® Total Protection Roofing System® gives you the assurance that all of your Owens Corning® roofing components are working together to help increase the performance of your roof.

PROTECCIÓN TOTAL SIMPLIFICADA®

Se necesita más que simplemente tejas para proteger su vivienda. Se necesita un sistema integral de componentes y capas diseñadas para desempeñarse en tres áreas críticas. El Total Protection Roofing System® de Owens Corning® le garantiza que todos sus componentes para cubiertas de Owens Corning® funcionan en conjunto para mejorar el desempeño de su techo.



REGISTER YOUR WARRANTY

Registering your Owens Corning® warranty ensures it's easily referenced should you ever need to access it. The process is easy—just have your installation date, shingle type, shingle color and number of squares ready. Then go online to www.owenscorning.com/roofingstandardwarranty or call 1-800-ROOFING (1-800-766-3464) to finish the process.



**SCAN TO REGISTER
YOUR WARRANTY**

Escanee para registrar
su garantía



REGISTRE SU GARANTÍA

Al registrar su garantía de Owens Corning® la podrá consultar rápidamente si fuera necesario acceder a ella. El proceso es simple: tenga a mano la fecha de instalación, el tipo y color de tejas y la cantidad de cuadrados. Luego, visite www.owenscorning.com/roofingstandardwarranty o llame al 1-800-ROOFING (1-800-766-3464) para completar el proceso.

Product Attributes

Warranty Length ^{*/‡}
Limited Lifetime (for as long as you own your home)
Wind Resistance Limited Warranty [*]
130-MPH
Algae Resistance Limited Warranty ^{*/§}
25 Years
TRU PROtection [®] Non-Prorated Limited Warranty [*] Period
10 Years



TruDefinition[®] Duration[®] Shingles
Product Specifications

Size	13¼" x 39⅝"
Application Exposure	5⅝"
Shingles per Bundle	Not less than 20
Average Shingle Count per 3 Bundles	64
Average Coverage per 3 Bundles	98.4 sq. ft.

Applicable Standards and Codes

ASTM D3462
ASTM D228
ASTM D3018 (Type 1)
ICC-ES AC438 [#]
ASTM D3161 (Class F Wind Resistance)
ASTM D7158 (Class H Wind Resistance)
ASTM E108/UL 790 (Class A Fire Resistance)
PRI ER 1378E01
Florida Product Approval
Miami-Dade County Product Approval ²

Características del producto

Período de garantía ^{*/‡}
Garantía limitada de por vida (mientras sea propietario de la vivienda)
Garantía limitada de resistencia al viento [*]
210 km/h (130 mph)
Garantía limitada de resistencia a las algas ^{*/§}
25 años
Período no prorrateado de garantía limitada TRU PROtection [®]
10 años



Especificaciones de las
tejas Duration[®] TruDefinition[®]

Tamaño	33.65 × 100 cm (13¼ × 39⅝ pulg)
Exposición de aplicación	14.3 cm (5⅝ pulg)
Tejas por paquete	20 como mínimo
Cantidad promedio de tejas por 3 paquetes	64
Cobertura promedio por 3 paquetes	9.14 m² (98.4 pies²)

Normas y códigos pertinentes

ASTM D3462
ASTM D228
ASTM D3018 (Tipo 1)
ICC-ES AC438 [#]
ASTM D3161 (Resistencia al viento, Clase F)
ASTM D7158 (Resistencia al viento Clase H)
ASTM E108/UL 790 (Resistencia al fuego Clase A)
PRI ER 1378E01
Aprobación del producto en el estado de Florida
Producto aprobado por el condado de Miami-Dade ²

* See actual warranty for complete details, limitations and requirements.
‡ 40-Year Limited Warranty on commercial projects.
† Owens Corning testing against competing products with wide, single-layer nailing zones when following manufacturers' installation instructions and nailing in the middle of the allowable nailing zone.
** Tru-Bond[®] is a proprietary premium weathering-grade asphalt sealant that is blended by Owens Corning Roofing[®] and Asphalt, LLC.
+ The amount of Triple Layer Protection[®] may vary on shingle-to-shingle basis.
International Code Council Evaluation Services Acceptance Criteria for Alternative Asphalt Shingles.
^ Excludes non-Owens Corning[®] roofing products such as flashing, fasteners, pipe boots and wood decking.
1 See Color Disclaimer information on page 3 for additional details.
2 Applies to all areas that recognize Miami-Dade Notice of Acceptance (NOA).
3 Shingles are algae resistant to control the growth of algae and discoloration.
§ This coverage is effective 1/1/2023; Installation must include use of an Owens Corning[®] Hip & Ridge product. See actual warranty for details.
For Patent information, please visit [owenscorning.com/patents](https://www.owenscorning.com/patents).
SureNail[®] Technology is not a guarantee of performance in all weather conditions.
5 Owens Corning[®] Midnight Plum shingle includes a patent pending design.

* Consulte la garantía para obtener una lista completa de detalles, limitaciones y requisitos.
‡ Garantía limitada de 40 años para proyectos comerciales.
† Ensayos comparativos de Owens Corning con productos de la competencia con zonas de clavado ancho de una sola capa cuando se siguen las instrucciones de instalación del fabricante y se clava en el medio de la zona de clavado permitida.
** Tru-Bond[®] es un sellador asfáltico patentado de calidad premium formulado por Owens Corning Roofing[®] and Asphalt, LLC.
+ La cantidad de Triple Layer Protection[®] puede variar entre una teja y otra.
Criterios de aceptación de los servicios de evaluación del Consejo Internacional de Códigos para tejas asfálticas alternativas.
^ Se excluyen productos para techos no fabricados por Owens Corning[®], como tapajuntas, sujetadores, bases de tubos y estructuras de soporte de madera.
1 Para obtener más información, consulte el Descargo de responsabilidad sobre los colores, en la página 3.
2 Aplicable a todas las zonas que reconocen el Aviso de aceptación (NOA, Notice of Acceptance) del condado de Miami Dade.
3 Las tejas son resistentes a las algas para controlar su desarrollo y la decoloración.
§ Esta cobertura entra en vigor el 1 de enero de 2023; la instalación debe incluir el uso de un producto para limatesa y cumbrera de Owens Corning[®].
Para información sobre la patente, visite www.owenscorning.com/patents.
La tecnología SureNail[®] no es una garantía de desempeño en todos los tipos de condiciones climáticas.
5 La teja Owens Corning[®] Midnight Plum incluye un diseño con patente pendiente.



OWENS CORNING ROOFING AND ASPHALT, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OH 43659 USA
1-800-GET-PINK[®] | 1-800-438-7465
www.owenscorning.com



ARCHITECTURAL WALL COATINGS

*HDP™ Water-Repellent Coating / Weatherlastic™ Smooth / Demandit® Advantage
Demandit® Sanded / Demandit® Smooth / Tuscan Glaze™ / TREMGard® HB*





Architectural Wall Coatings Designed to Beautify and Protect Your Structures

Dryvit™ and Tremco™ offer a complete family of architectural wall coatings designed to meet any performance, application, aesthetic or budget requirement.

Address efflorescence, chalking, peeling, cracking or flaking.

Minimize the effects of water intrusion, mildew, mold, and dirt pickup.

Transform your aesthetic with eye-catching finish options — from modern to classic.

The Tremco Construction Products Group Advantage

Dryvit and Tremco are now part of Tremco Construction Products Group (CPG). A structure built with products from Tremco CPG companies means more for everyone – more satisfied contractors, more comfortable occupants or tenants, and more efficient structures and cost-effective operation for owners:



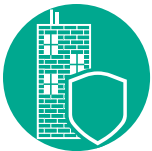
Faster Construction Time

Dryvit and Tremco products can reduce production time and speed up in-field application to reduce construction schedules.



Any Look You Want

A wide range of colors and finishes like brick, granite, metals, stucco and more provide maximum flexibility in your façade aesthetic.



Stronger and More Resilient

Our systems are designed for maximum durability, many with service lives far surpassing that of competing systems.



Proven, Tested Compatibility

Products provide maximum protection from air, moisture and thermal infiltration — and are performance tested in our one-of-a-kind Sustainable Building Solutions Test Facility.



Cost Effective for the Long Term

A broad range of products can fit most project budgets — but our energy-efficiency and maintenance solutions can also help you ensure cost-effective ownership and operation for the long term.

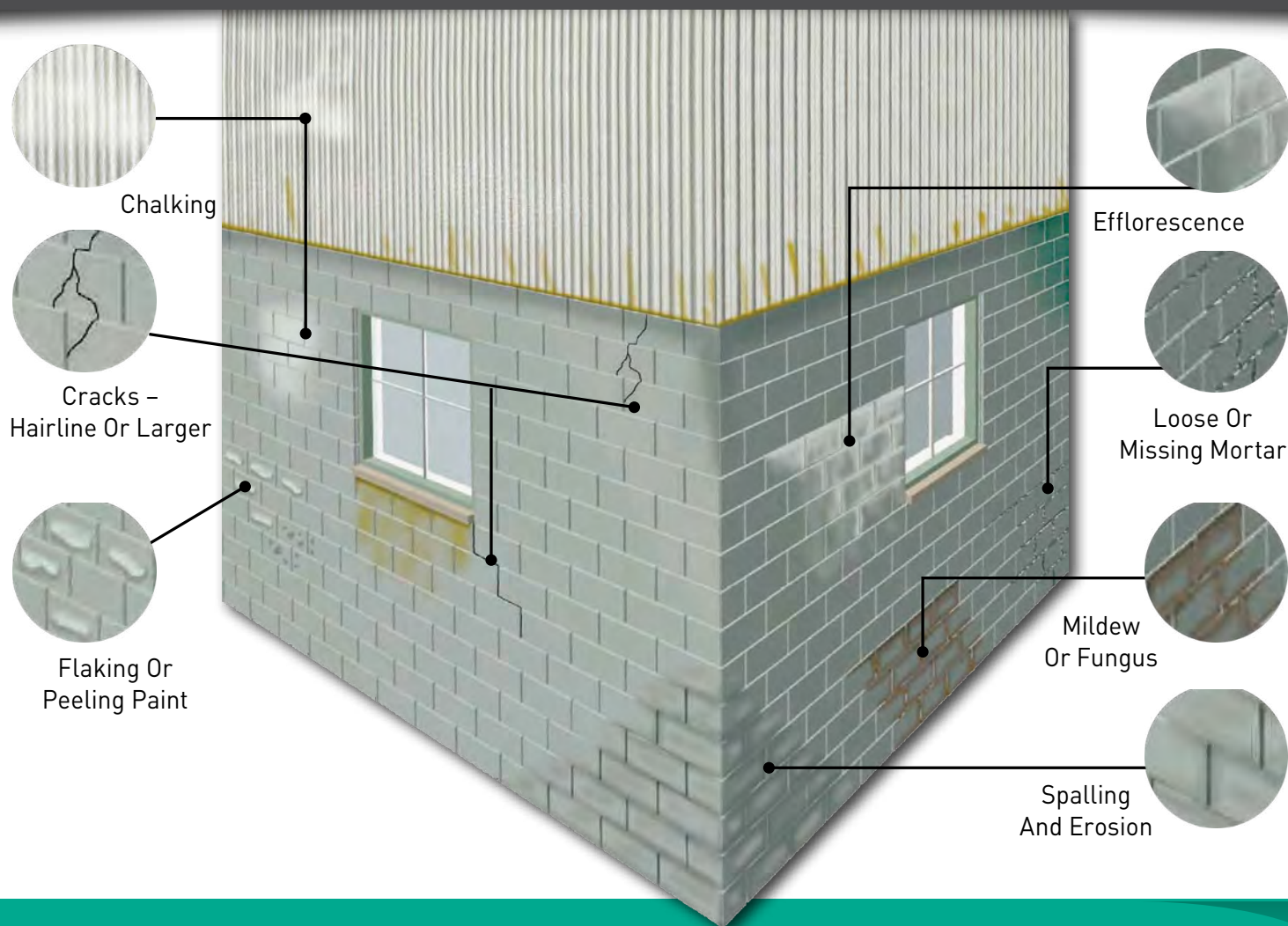


One Point of Contact

Our products and systems are backed by industry-leading warranties — all from a single point of contact. We can also help with everything from asset management to diagnostics to installer training.

The Symptoms (and Consequences) of Failing Exteriors

Rain, wind, snow, ultraviolet rays, and ineffective detailing will all take their toll on structures over time. Exterior deterioration eventually leads to even greater problems if not addressed. Unprotected exteriors and failing joints allow moisture intrusion and a multitude of other concerns, including — but not limited to — facade degradation, mold and mildew.



Dryvit and Tremco Solutions

Because of our industry-unique relationship, Dryvit and Tremco have the solutions to ensure compatible, tested systems from the foundation to the roof:

- Exterior Insulation Finishing Systems (EIFS)
- Flashing, Air and Vapor Barrier Systems
- Pre-Compressed Foam Expansion Joint Products
- Sealants, Adhesives and Pre-Formed Transition Assemblies
- Insulated Concrete Form (ICF) Systems
- Commercial Glazing Sealants, Tapes and Extrusions



HDP[®] WATER-REPELLENT COATING

HDP[™] Water-Repellent Coating is 100% acrylic, has excellent water-repellent properties and is available in standard colors as well as custom colors. HDP Water-Repellent Coating is formulated to resist mold and mildew growth (PMR) and is hydrophobic, resulting in less dirt pick-up and a cleaner wall.

Without HDP technology, water droplets hit an exterior wall, flatten and cling to the surface until evaporation occurs. Frequently these same water droplets contain atmospheric dirt and contaminants, which can create an environment conducive to the growth of microbes such as mold and mildew — which are unsightly and, if not removed, can potentially harm almost any exterior surface.

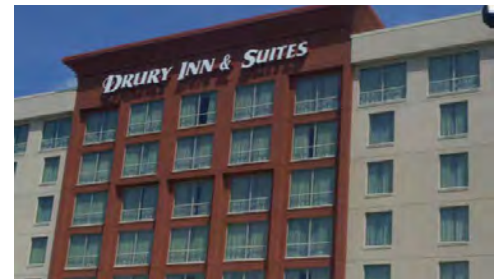
Dryvit HDP Coatings utilize both state-of-the-art silicone technology and fractal geometry to enable wall surfaces to repel water — allowing them to dry faster and slow the accumulation of dirt and other contaminants.

Features & Benefits

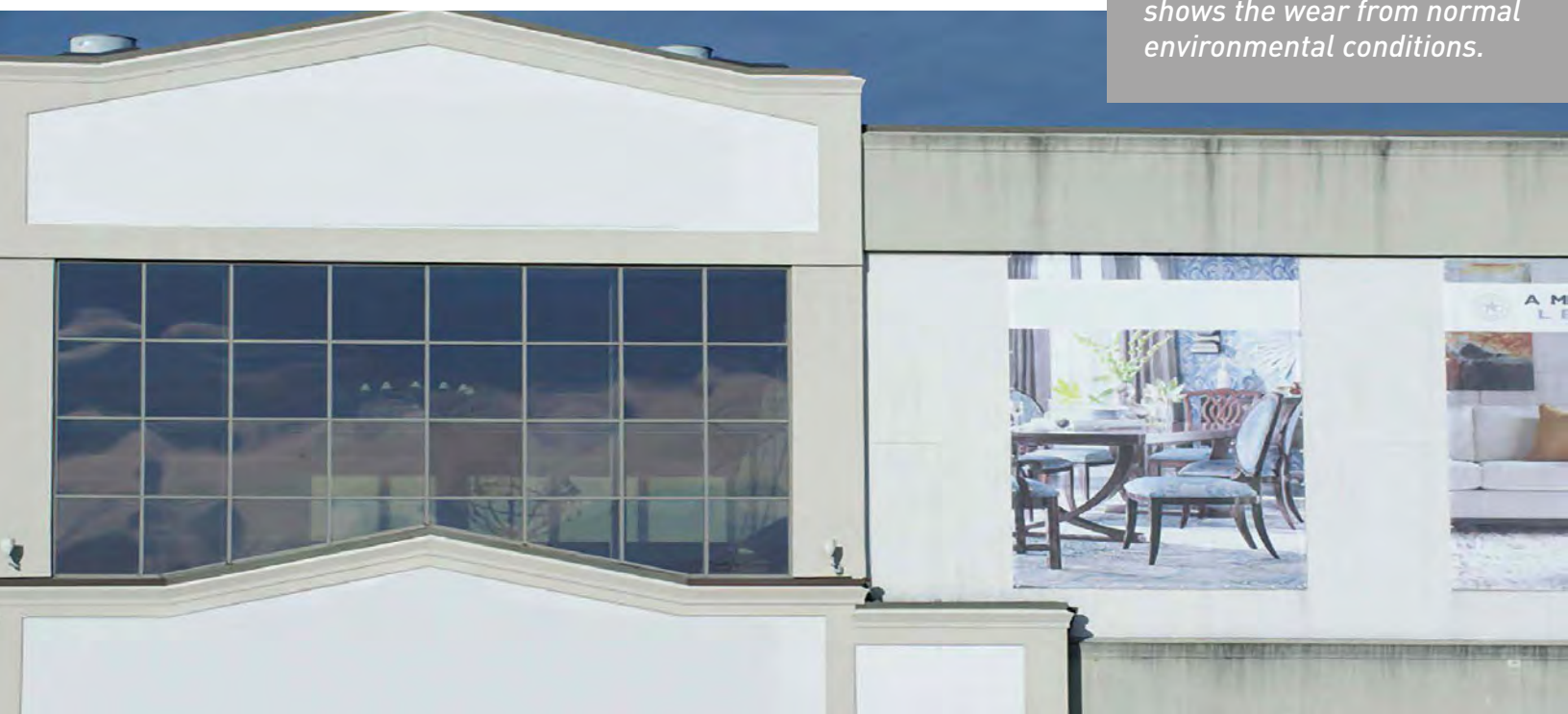
- Hydrophobic chemistry repels water and takes dirt with it
 - Ideal for both new construction and renovation
 - Resists mold and mildew growth
-

Common Applications

HDP Water-Repellent Coating is used to coat acrylic based textured finishes, masonry, stucco, wood, or primed metal.



After pressure washing the entire building below, HDP Coating was applied to only the left portion of the building. Five years later, it is still clean while the right side — without HDP Coating — shows the wear from normal environmental conditions.



WEATHERLASTIC® SMOOTH

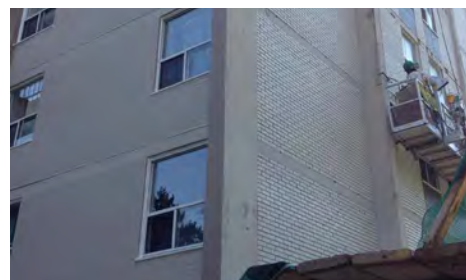
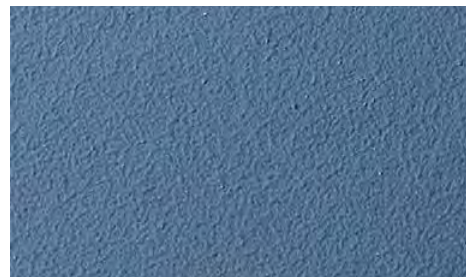
Weatherlastic® Smooth is a water-based elastomeric wall coating. It is easily applied with an airless spray or roller. Weatherlastic Smooth is based upon a 100% acrylic, copolymer elastomeric resin, which provides excellent elongation and flexibility at low temperatures. The coating resists mildew growth and dirt pickup and is highly chalk-resistant.

Features & Benefits

- Elastomeric formulation bridges hairline cracks
- Dirt Pickup Resistance (DPR) means walls stay cleaner longer
- Mildew-resistant
- Plasticizer-free, and with low temperature flexibility for maximum crack-resistance

Common Applications

Weatherlastic Smooth is recommended as a waterproof coating on properly prepared concrete, masonry, EIFS and stucco substrates.



DEMANDIT® ADVANTAGE

Demandit® Advantage is a 100% acrylic high-performance coating with a satin sheen finish, and employs StratoTone™ colorant technology. Demandit Advantage is offered in all standard, as well as custom colors, offers excellent stain resistance and contains the most effective ingredients available to resist mold and mildew growth (PMR) on the surface of the coating.

Features & Benefits

- High level of acrylic resin for maximum stain resistance
- StratoTone pigments provide increased fade resistance
- DPR/PMR chemistry resists dirt-pickup, mold and mildew
- Vapor-permeable: will not trap moisture vapor
- Cleans quickly and easily with only water

Common Applications

Demandit Advantage is equally suited for new construction or renovations to recoat, protect and redecorate EIFS, primed concrete, masonry, stucco, wood and metal.



DEMANDIT® SMOOTH

Demandit® Smooth is a 100% acrylic coating, which is offered in a variety of standard and custom colors. Demandit Smooth contains the most effective ingredients available to help resist mold and mildew growth (PMR).

Features & Benefits

- 100% acrylic formulation extends the life of re-coated surfaces
- DPR/PMR chemistry is resistant to dirt-pickup, mold and mildew
- Vapor-permeable: will not trap moisture vapor
- Can be applied by brush, trowel, or sprayer
- Cleans quickly and easily with only water

Common Applications

Demandit Smooth is a durable coating, which may be used to change the color of an existing Dryvit or other acrylic-textured finish. It can also be used to protect and decorate concrete, masonry, stucco, wood, primed metal and more.



DEMANDIT® SANDED

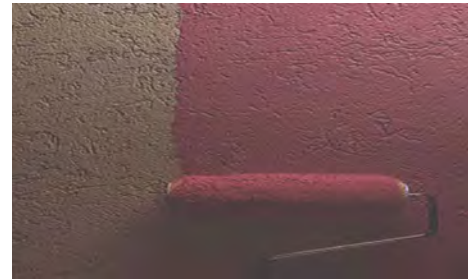
Demandit® Sanded is a 100% acrylic coating, which is offered in a variety of standard and custom colors. Demandit Sanded contains the most effective ingredients available to help resist mold and mildew growth (PMR).

Features & Benefits

- 100% acrylic formulation extends the life of re-coated surfaces
- DPR/PMR chemistry is resistant to dirt-pickup, mold and mildew
- Vapor-permeable: will not trap moisture vapor
- Can be applied by brush, trowel, or sprayer
- Cleans quickly and easily with only water

Common Applications

Demandit Sanded is a durable coating, which may be used to change the color of an existing Dryvit or other acrylic-textured finish. It can also be used to protect and decorate concrete, masonry, stucco, wood, primed metal and more.



TUSCAN GLAZE®

Tuscan Glaze® is used as an antique stain to simulate century-old plaster, and was designed to obtain a faux or “mottled” appearance on Dryvit finishes. Tuscan Glaze works best when applied over fine aggregate finishes, such as Freestyle®, Limestone™ and Weatherlastic® Adobe. It is available in 12 standard colors.

Features & Benefits

- Can be applied over many textures for a fully-customizable look
- 12 standard colors ensure consistency
- 100% acrylic formula is easy to use and apply

Common Applications

While Tuscan Glaze is often used in residential applications, it has also been successfully used on commercial projects, especially in the retail, hospitality and entertainment industries in which uniqueness and specific architectural appearance are highly-valued.



TREMGARD® HB

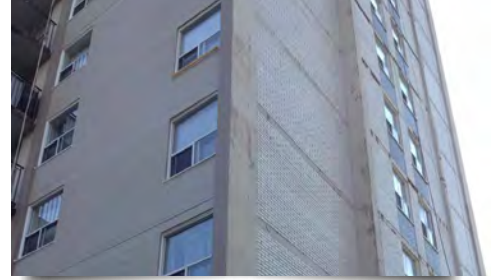
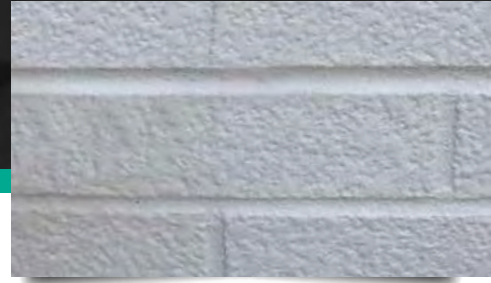
TREMGard® HB is a high-build, fiber-reinforced, water-based, acrylic wall coating formulated to provide a tough, durable, flexible, and breathable film protection for concrete and masonry surfaces. TREMGard HB can be applied in a single coat up to 32 wet mils and can be used to bridge cracks.

Features & Benefits

- Resists the effects of water and weather, making it an ideal coating for long-lasting waterproofing protection
- Fiber reinforced for added strength and durability
- Bridges hairline cracks
- Resists the growth of mold and fungus
- VOC compliant @ <100 g/L

Common Applications

- Concrete, cast-in-place or pre-cast CMU
- Previously painted masonry
- Brick and stone
- EIFS
- Stucco
- Metal and PVC (*with primer*)



DYMONIC® 100

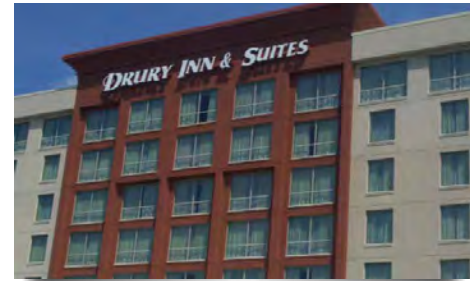
Dymonic® 100 is a high-performance, high-movement, single-component, medium-modulus, low-VOC, UV-stable, non-sag polyurethane sealant. It is a durable, flexible sealant that offers excellent performance in moving joints and exhibits tenacious adhesion once fully cured.

Features & Benefits

- Can adhere to damp or green concrete and has a skin time of 2 hr with a tack-free time of 6 to 8 hr to significantly reduce dirt attraction.
- Movement capability of +100/-50% in typical field conditions, is low VOC, paintable, jet fuel-resistant, and will not crack, craze or yellow under extreme UV exposure
- Suitable for water immersion and will not out gas

Common Applications

- Expansion and control joints,
- Precast concrete panel joints
- Window, door & panel perimeter caulking
- Aluminum, masonry and vinyl siding



DYMONIC® SIMPLE SEAL

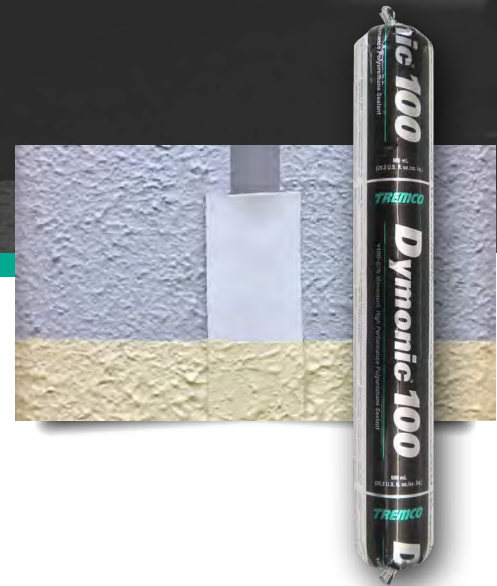
Dymonic® Simple Seal is a medium-modulus, preformed polyurethane extrusion specifically designed to bridge joints under elastomeric wall coatings. Dymonic Simple Seal is bonded with Dymonic® 100 polyurethane sealant to a wide range of substrates to provide a watertight seal.

Features & Benefits

- Easy installation reduces time and labor costs
- Superior flexibility and +/- movement capabilities
- High strength provides durability and excellent tear resistance

Common Applications:

- Expansion joints
- Window/door perimeters
- Dryvit / EIFS joints
- Parapet walls
- Transition seals
- Curtain wall joints
- Other joints that will be coated with an elastomeric coating



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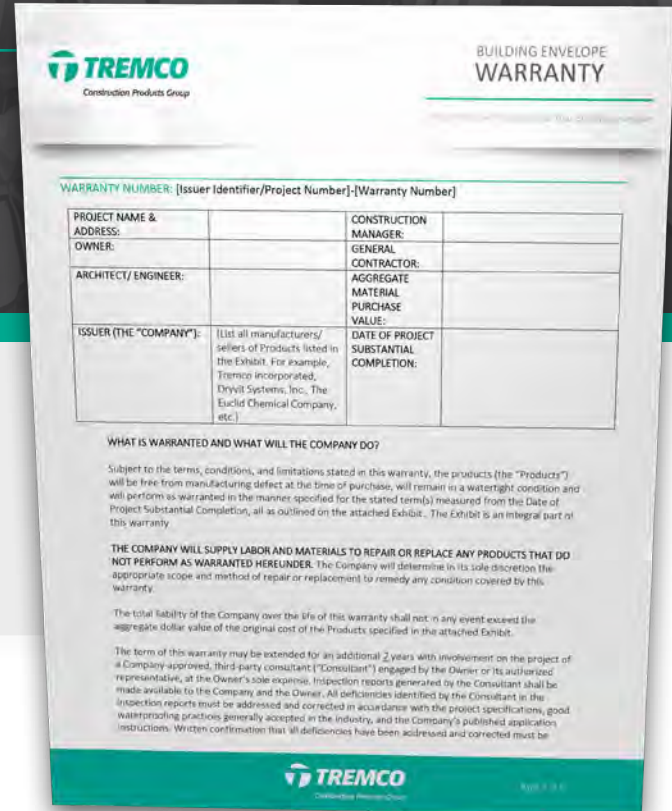
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