

HISTORIC AND DESIGN REVIEW COMMISSION

December 06, 2023

HDRC CASE NO: 2023-453
ADDRESS: 225 LINDELL PLACE
LEGAL DESCRIPTION: NCB 6200 BLK 1 LOT N 30 FT OF 23 & S 40 FT OF 24
ZONING: R-4, H
CITY COUNCIL DIST.: 1
DISTRICT: River Road Historic District
APPLICANT: Jonathan Reynolds/Reyven Custom Homes & Remodeling
OWNER: Erin Berkenkamp/BERKENKAMP ERIN KAYE
TYPE OF WORK: Modification to a previously approved design for an addition
APPLICATION RECEIVED: November 10, 2023
60-DAY REVIEW: January 09, 2023
CASE MANAGER: Jessica Anderson

REQUEST:

The applicant requests a Certificate of Appropriateness for approval to:

1. Modify a previously approved design for a rear addition.
2. Replace two existing multi-lite doors with half-lite wood doors.
3. Install sliding doors rather than French doors on the previously approved design for the rear west addition.

APPLICABLE CITATIONS:

Historic Design Guidelines, Chapter 2, Exterior Maintenance and Alterations

3. Materials: Roofs

A. MAINTENANCE (PRESERVATION)

- i. *Regular maintenance and cleaning*—Avoid the build-up of accumulated dirt and retained moisture. This can lead to the growth of moss and other vegetation, which can lead to roof damage. Check roof surface for breaks or holes and flashing for open seams and repair as needed.

B. ALTERATIONS (REHABILITATION, RESTORATION, AND RECONSTRUCTION)

- i. *Roof replacement*—Consider roof replacement when more than 25-30 percent of the roof area is damaged or 25-30 percent of the roof tiles (slate, clay tile, or cement) or shingles are missing or damaged.
- ii. *Roof form*—Preserve the original shape, line, pitch, and overhang of historic roofs when replacement is necessary.
- iii. *Roof features*—Preserve and repair distinctive roof features such as cornices, parapets, dormers, open eaves with exposed rafters and decorative or plain rafter tails, flared eaves or decorative purlins, and brackets with shaped ends.
- iv. *Materials: sloped roofs*—Replace roofing materials in-kind whenever possible when the roof must be replaced. Retain and re-use historic materials when large-scale replacement of roof materials other than asphalt shingles is required (e.g., slate or clay tiles). Salvaged materials should be re-used on roof forms that are most visible from the public right-of-way. Match new roofing materials to the original materials in terms of their scale, color, texture, profile, and style, or select materials consistent with the building style, when in-kind replacement is not possible.
- v. *Materials: flat roofs*—Allow use of contemporary roofing materials on flat or gently sloping roofs not visible from the public right-of-way.
- vi. *Materials: metal roofs*—Use metal roofs on structures that historically had a metal roof or where a metal roof is appropriate for the style or construction period. Refer to Checklist for Metal Roofs on page 10 for desired metal roof specifications when considering a new metal roof. New metal roofs that adhere to these guidelines can be approved administratively as long as documentation can be provided that shows that the home has historically had a metal roof.
- vii. *Roof vents*—Maintain existing historic roof vents. When deteriorated beyond repair, replace roof vents in-kind or with one similar in design and material to those historically used when in-kind replacement is not possible.

6. Architectural Features: Doors, Windows, and Screens

A. MAINTENANCE (PRESERVATION)

- i. *Openings*—Preserve existing window and door openings. Avoid enlarging or diminishing to fit stock sizes or air conditioning units. Avoid filling in historic door or window openings. Avoid creating new primary entrances or window openings on the primary façade or where visible from the public right-of-way.
- ii. *Doors*—Preserve historic doors including hardware, fanlights, sidelights, pilasters, and entablatures.
- iii. *Windows*—Preserve historic windows. When glass is broken, the color and clarity of replacement glass should match the original historic glass.
- iv. *Screens and shutters*—Preserve historic window screens and shutters.
- v. *Storm windows*—Install full-view storm windows on the interior of windows for improved energy efficiency. Storm window may be installed on the exterior so long as the visual impact is minimal and original architectural details are not obscured.

B. ALTERATIONS (REHABILITATION, RESTORATION, AND RECONSTRUCTION)

- i. *Doors*—Replace doors, hardware, fanlight, sidelights, pilasters, and entablatures in-kind when possible and when deteriorated beyond repair. When in-kind replacement is not feasible, ensure features match the size, material, and profile of the historic element.
- ii. *New entrances*—Ensure that new entrances, when necessary to comply with other regulations, are compatible in size, scale, shape, proportion, material, and massing with historic entrances.
- iii. *Glazed area*—Avoid installing interior floors or suspended ceilings that block the glazed area of historic windows.
- iv. *Window design*—Install new windows to match the historic or existing windows in terms of size, type, configuration, material, form, appearance, and detail when original windows are deteriorated beyond repair.
- v. *Muntins*—Use the exterior muntin pattern, profile, and size appropriate for the historic building when replacement windows are necessary. Do not use internal muntins sandwiched between layers of glass.
- vi. *Replacement glass*—Use clear glass when replacement glass is necessary. Do not use tinted glass, reflective glass, opaque glass, and other nontraditional glass types unless it was used historically. When established by the architectural style of the building, patterned, leaded, or colored glass can be used.
- vii. *Non-historic windows*—Replace non-historic incompatible windows with windows that are typical of the architectural style of the building.
- viii. *Security bars*—Install security bars only on the interior of windows and doors.
- ix. *Screens*—Utilize wood screen window frames matching in profile, size, and design of those historically found when the existing screens are deteriorated beyond repair. Ensure that the tint of replacement screens closely matches the original screens or those used historically.
- x. *Shutters*—Incorporate shutters only where they existed historically and where appropriate to the architectural style of the house. Shutters should match the height and width of the opening and be mounted to be operational or appear to be operational. Do not mount shutters directly onto any historic wall material.

Historic Design Guidelines, Chapter 3, Guidelines for Additions

1. Massing and Form of Residential Additions

A. GENERAL

- i. *Minimize visual impact*—Site residential additions at the side or rear of the building whenever possible to minimize views of the addition from the public right-of-way. An addition to the front of a building would be inappropriate.
- ii. *Historic context*—Design new residential additions to be in keeping with the existing, historic context of the block. For example, a large, two-story addition on a block comprised of single-story homes would not be appropriate.
- iii. *Similar roof form*—Utilize a similar roof pitch, form, overhang, and orientation as the historic structure for additions.
- iv. *Transitions between old and new*—Utilize a setback or recessed area and a small change in detailing at the seam of the historic structure and new addition to provide a clear visual distinction between old and new building forms.

B. SCALE, MASSING, AND FORM

- i. *Subordinate to principal facade*—Design residential additions, including porches and balconies, to be subordinate to the principal façade of the original structure in terms of their scale and mass.

- ii. *Rooftop additions*—Limit rooftop additions to rear facades to preserve the historic scale and form of the building from the street level and minimize visibility from the public right-of-way. Full-floor second story additions that obscure the form of the original structure are not appropriate.
- iii. *Dormers*—Ensure dormers are compatible in size, scale, proportion, placement, and detail with the style of the house. Locate dormers only on non-primary facades (those not facing the public right-of-way) if not historically found within the district.
- iv. *Footprint*—The building footprint should respond to the size of the lot. An appropriate yard to building ratio should be maintained for consistency within historic districts. Residential additions should not be so large as to double the existing building footprint, regardless of lot size.
- v. *Height*—Generally, the height of new additions should be consistent with the height of the existing structure. The maximum height of new additions should be determined by examining the line-of-sight or visibility from the street. Addition height should never be so contrasting as to overwhelm or distract from the existing structure.

3. Materials and Textures

A. COMPLEMENTARY MATERIALS

- i. *Complementary materials*—Use materials that match in type, color, and texture and include an offset or reveal to distinguish the addition from the historic structure whenever possible. Any new materials introduced to the site as a result of an addition must be compatible with the architectural style and materials of the original structure.
- ii. *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.
- iii. *Other roofing materials*—Match original roofs in terms of form and materials. For example, when adding on to a building with a clay tile roof, the addition should have a roof that is clay tile, synthetic clay tile, or a material that appears similar in color and dimension to the existing clay tile.

B. INAPPROPRIATE MATERIALS

- i. *Imitation or synthetic materials*—Do not use imitation or synthetic materials, such as vinyl siding, brick or simulated stone veneer, plastic, or other materials not compatible with the architectural style and materials of the original structure.

C. REUSE OF HISTORIC MATERIALS

- ii. *Salvage*—Salvage and reuse historic materials, where possible, that will be covered or removed as a result of an addition.

4. Architectural Details

A. GENERAL

- i. *Historic context*—Design additions to reflect their time while respecting the historic context. Consider character-defining features and details of the original structure in the design of additions. These architectural details include roof form, porches, porticos, cornices, lintels, arches, quoins, chimneys, projecting bays, and the shapes of window and door openings.
- ii. *Architectural details*—Incorporate architectural details that are in keeping with the architectural style of the original structure. Details should be simple in design and compliment the character of the original structure. Architectural details that are more ornate or elaborate than those found on the original structure should not be used to avoid drawing undue attention to the addition.
- iii. *Contemporary interpretations*—Consider integrating contemporary interpretations of traditional designs and details for additions. Use of contemporary window moldings and door surroundings, for example, can provide visual interest while helping to convey the fact that the addition is new.

Standard Specifications for Original Wood Window Replacement

- **SCOPE OF REPAIR:** When individual elements such as sills, muntins, rails, sashes, or glazing has deteriorated, every effort should be made to repair or reconstruct that individual element prior to consideration of wholesale replacement. For instance, applicant should replace individual sashes within the window system in lieu of full replacement with a new window unit.
- **MISSING OR PREVIOUSLY-REPLACED WINDOWS:** Where original windows are found to be missing or previously replaced with a nonconforming window product by a previous owner, an alternative material to wood may be considered when the proposed replacement product is more consistent with the Historic Design Guidelines in terms of overall appearance. Such determination shall be made on a case-by-case basis by OHP

and/or the HDRC. Whole window systems should match the size of historic windows on property unless otherwise approved.

- **MATERIAL:** If full window replacement is approved, the new windows must feature primed and painted wood exterior finish. Clad, composition, or non-wood options are not allowed unless explicitly approved by the commission.
- **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:** Original trim details and sills should be retained or repaired in kind. If approved, new 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:** Replacement 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:** Replacement 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:** Replacement 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.

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:

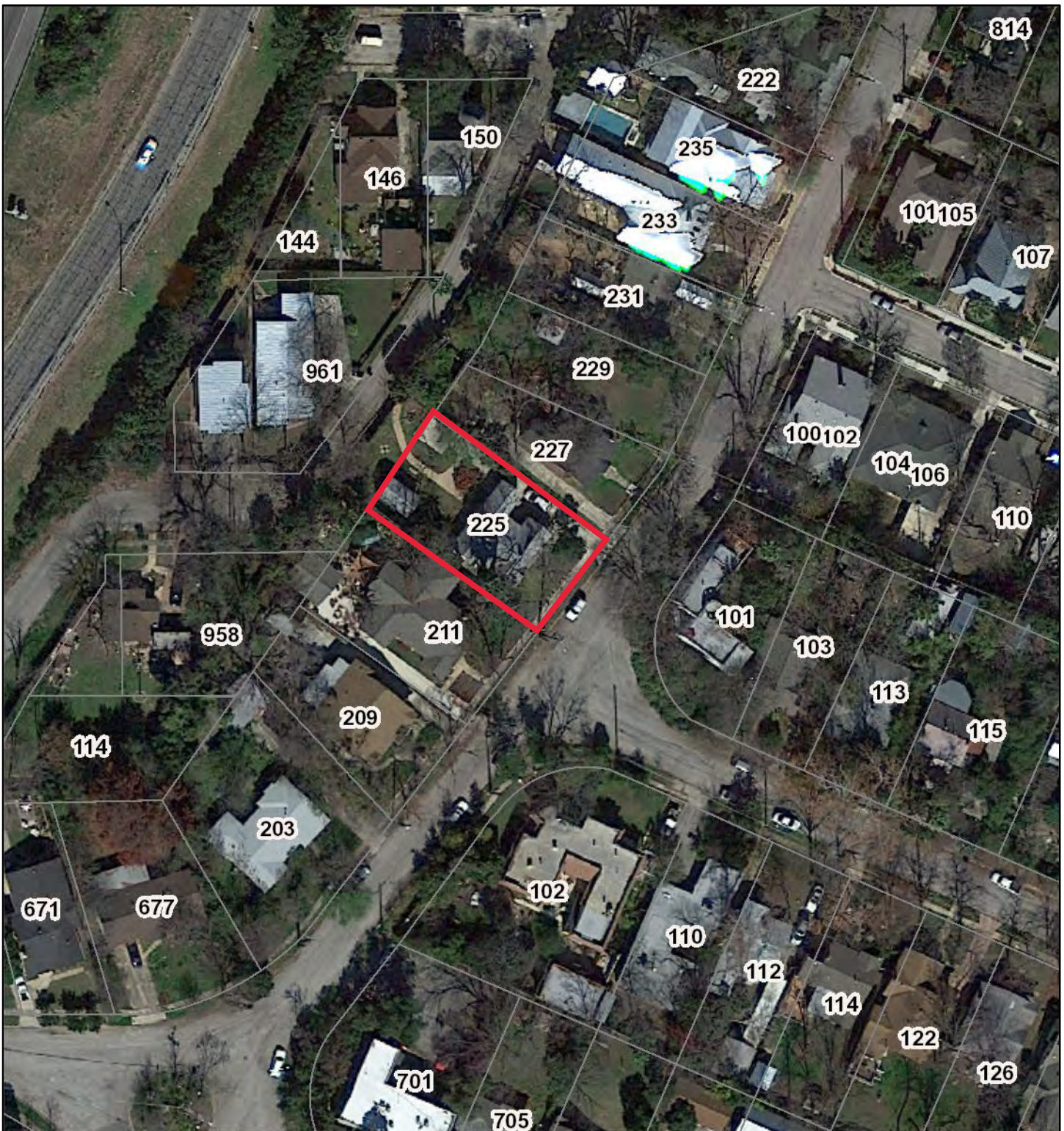
- a. The property at 225 Lindell Pl is a single-story Tudor Revival residence built c. 1922 with a rear detached accessory structure; staff was unable to determine when the accessory structure appears. The property first appears as 225 Preston Pl in the 1922 city directory, and first appears on Sanborn Fire Insurance maps in 1938, when it included a rear detached accessory structure on the northeast side of the backyard, opposite of the existing detached accessory structure. The addition to the north corner of the house appears by 1955. The house is clad in wide wood siding with one-over-one wood windows that appear alone and in ganged pairs and threes. The cross-gable roof is clad in composition shingle, and all gables feature pentagonal gable vents. The property contributes to the River Road Historic District.
- b. **CASE HISTORY:** On February 15, 2023, the HDRC considered plans for the addition at 225 Lindell that included treatment of the northeast gable similar to what is proposed in the current request. The HDRC referred this request to the Design Review Committee (DRC) for an on-site meeting. On February 21, 2023, the applicant met on site with the DRC. Commissioners assessed conditions and discussed with the applicant and owner alternatives to the proposed rear addition that would not heavily modify the existing roof form. On May 17, 2023, the HDRC approved the applicant's plans, which included an addition that retained the existing northeast gable in its current form.
- c. **ROOF (FORM):** The applicant proposes an addition that modifies the northeast gable, which is visible from the right-of-way. The modification results in a lower-pitched roof and wider footprint for the mass, with a change in pitch before the roof reaches the northeast corner of the addition. Guideline 1.A.iii for Additions stipulates that residential additions should utilize a similar roof pitch, form, overhang, and orientation as the historic structure. Staff finds that the proposed modification to the previously approved plans does not conform to guidelines, and that the previously approved design should be retained.
- d. **DOORS:** The applicant proposes to replace existing doors on the historic core with half-lite wood doors, and to modify the request for French doors on the rear west addition to sliding doors. Staff finds both requests appropriate.

RECOMMENDATION:

Staff does not recommend approval of item 1, modification of a previously approved design for a rear addition, based on findings b and c. Staff recommends that the previously approved plans be adhered to, which include retaining the existing northeast gable in its current form.






Staff recommends approval of items 2 and 3, based on finding d.

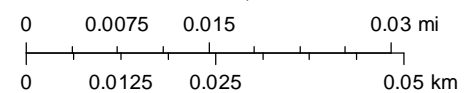
City of San Antonio One Stop



February 9, 2023

1:1,000

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





GENERAL NOTES:

THIS PLAN SET, COMBINED WITH THE BUILDING CONTRACT, PROVIDES BUILDING DETAILS FOR THE RESIDENTIAL PROJECT. THE CONTRACTOR SHALL VERIFY THAT SITE CONDITIONS ARE CONSISTENT WITH THESE PLANS BEFORE STARTING WORK. WORK NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED TO THE SAME QUALITY AS SIMILAR WORK THAT IS DETAILED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AND LOCAL CODES. CONTRACTOR SHALL BE RESPONSIBLE AND BEAR ANY FINES OR PENALTIES FOR CODE, ORDINANCE, REGULATION OR BUILDING PROCESS VIOLATIONS. INSURANCES SHALL BE IN FORCE THROUGHOUT THE DURATION OF THE BUILDING PROJECT.

WRITTEN DIMENSIONS AND SPECIFIC NOTES SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND GENERAL NOTES. THE ENGINEER/DESIGNER SHALL BE CONSULTED FOR CLARIFICATION IF SITE CONDITIONS ARE ENCOUNTERED THAT ARE DIFFERENT THAN SHOWN, IF DISCREPANCIES ARE FOUND IN THE PLANS OR NOTES, OR IF A QUESTION ARISES OVER THE INTENT OF THE PLANS OR NOTES. CONTRACTOR SHALL VERIFY AND IS RESPONSIBLE FOR ALL DIMENSIONS (INCLUDING ROUGH OPENINGS). ALL TRADES SHALL MAINTAIN A CLEAN WORK SITE AT THE END OF EACH WORK DAY.

PLEASE SEE ADDITIONAL NOTES CALLED OUT ON OTHER SHEETS.

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CONSTRUCTION ANALYSIS

CONSTRUCTION TYPE	ONE STORY RESIDENCE
NUMBER OF LEVELS	1
FRAME TYPE (EXT. WALLS)	2" x 4" WOOD STUDS
FRAME TYPE (INT. WALLS)	2" x 4" WOOD STUDS
FRAME TYPE (ROOF)	2" x 6" WOOD RAFTERS
FRAME TYPE (FLR. / CLG.)	----
VENEER TYPE	WOOD SIDING
FOUNDATION TYPE	SLAB ON GRADE
ROOF TYPE	COMPOSITION SHINGLE
ROOF PITCH	1-1/2:12, 4:12, 8:12, 12:12
PLATE HEIGHT (MIN.)	8'-0"
PLATE HEIGHT (MAX.)	9'-0"

AREA TABULATION

LIVING AREA	2,181.0'
FLATWORK	229.0'
CVD PATIO	81.0'
CVD SCREENED PATIO	263.0'
TOTAL NON LIVING	573.0'
TOTAL AREA	2,754.0'

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BRADTMILLER RESIDENCE
225 LINDELL PLACE
SAN ANTONIO, TX. 78212

2312 S. EXPRESSWAY 83 SUITE # B
HARLINGEN, TX. 78552
OFFICE: (956) 425-7040
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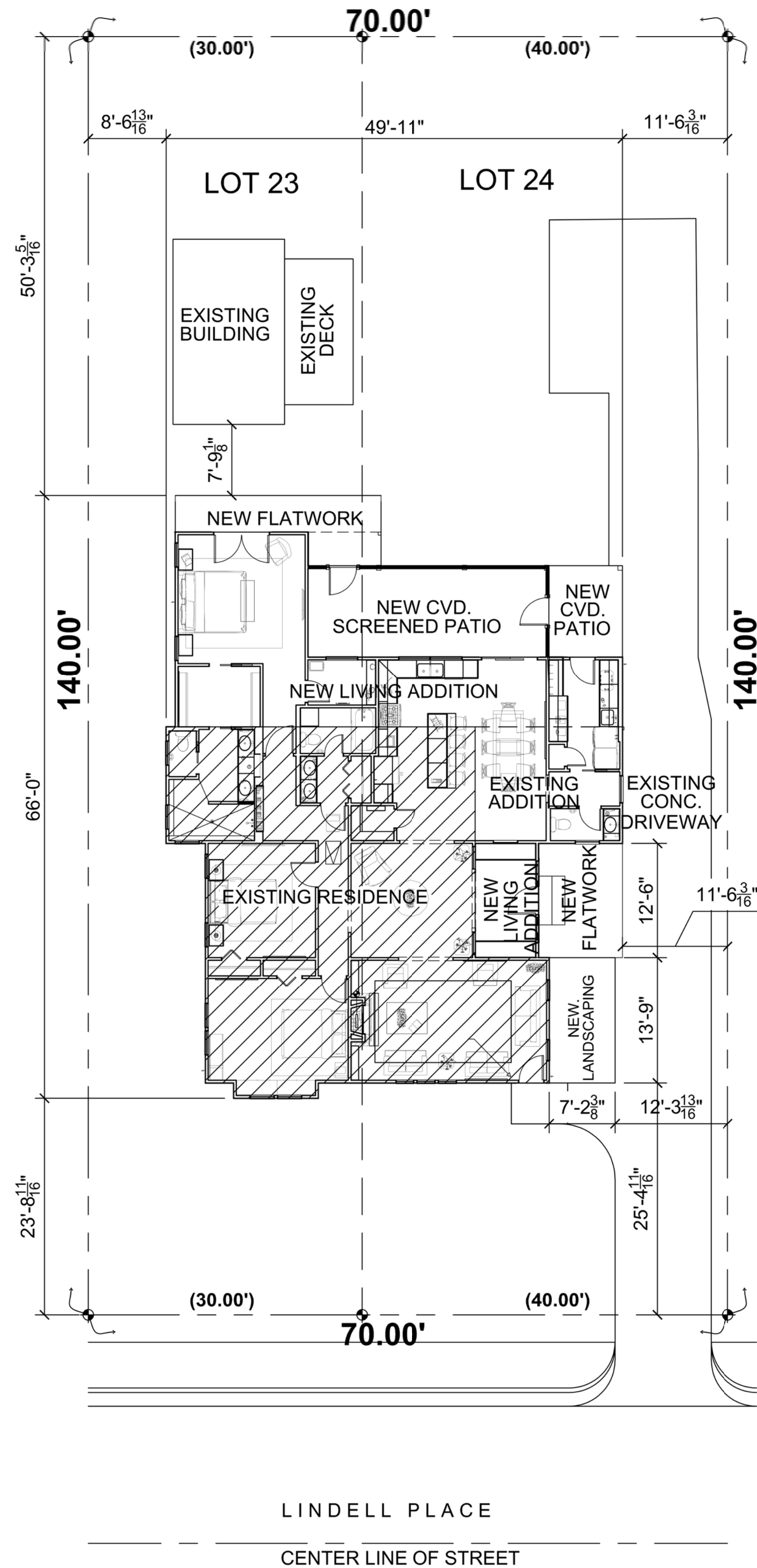


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1. VERIFY JOINT LAYOUT FOR SIDEWALKS WITH CONTRACTOR PRIOR TO CONSTRUCTION.
2. ALL SITE WORK, INCLUDING LOCATION OF TRASH DUMPSTER, TEMPORARY TOILET FACILITIES, TEMPORARY CONSTRUCTION BARACADE/FENCING CONSTRUCTION TRAILER, CLEARING PROCEDURE GRADING AND DRAINAGE, CONFORMANCE TO POLLUTION AND PREVENTION CONTROL, AND TEMPORARY UTILITY FACILITIES, ETC. SHALL BE IN ACCORDANCE WITH THE CITY AS WELL AS SUBDIVISION PROPERTY OWNERS ASSOCIATION GUIDELINES.
3. BUILDER AND OWNER SHALL BE RESPONSIBLE FOR ALL TEMPORARY UTILITIES TO THE CONSTRUCTION SITE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL GRADING ONLY. OWNER SHALL PROVIDE ALL LANDSCAPING, SOD, AND IRRIGATION SYSTEM.

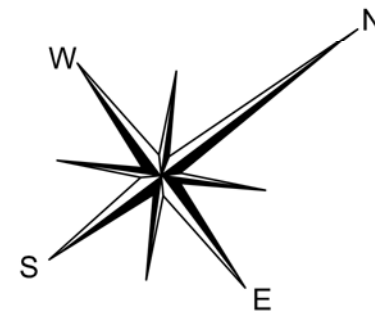
1 SITE PLAN

SCALE: 1"=10'-0"

LEGAL DESCRIPTION

225 LINDELL PLACE	
LOT	23 & 24
BLOCK	1
SUBDIVISION	NEW CITY BLOCK 6200
COUNTY, CITY	BEXAR COUNTY, AN ANTONIO, TX 78212

NORTH ARROW



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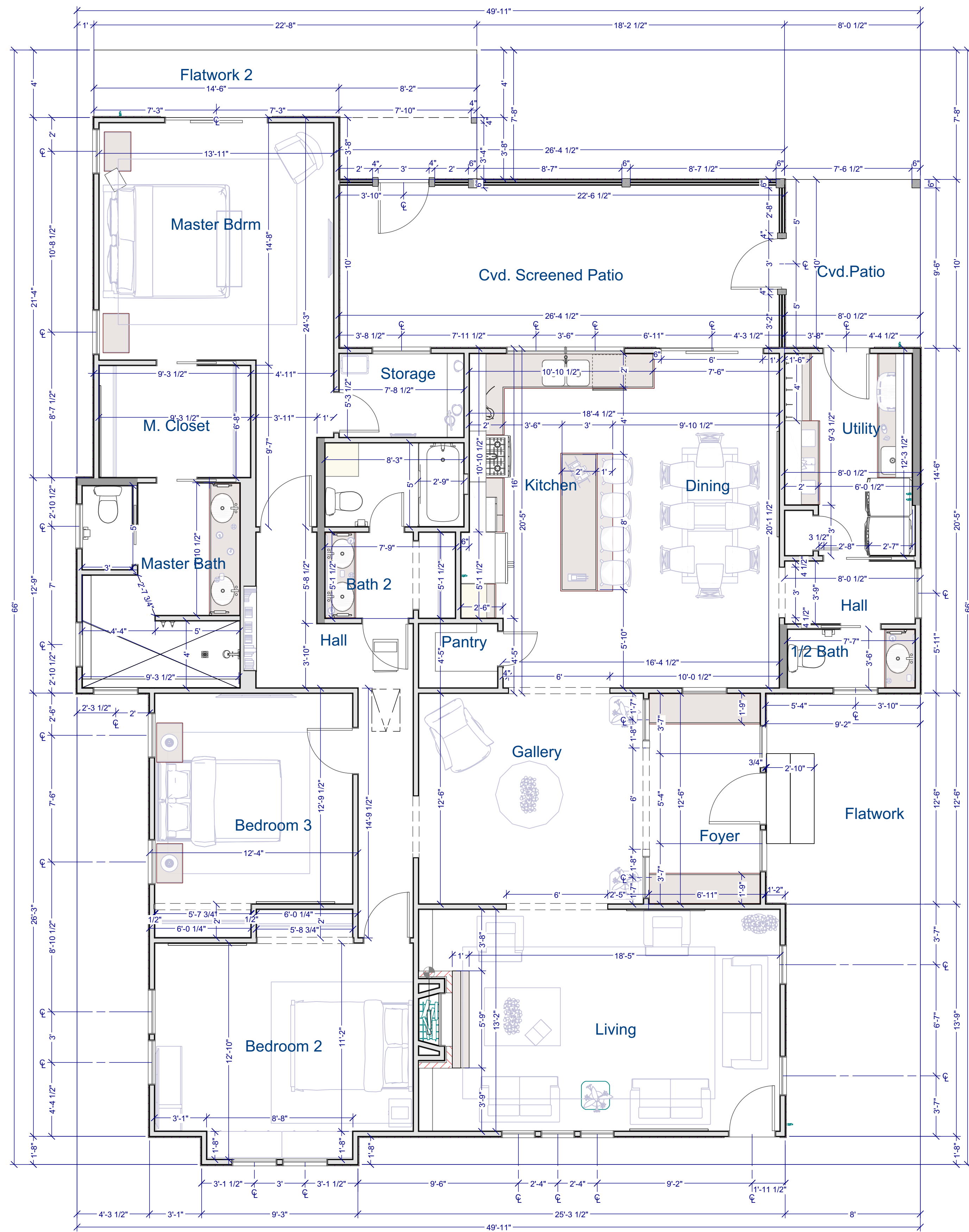
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1 **DIMENSIONAL FLOOR PLAN**
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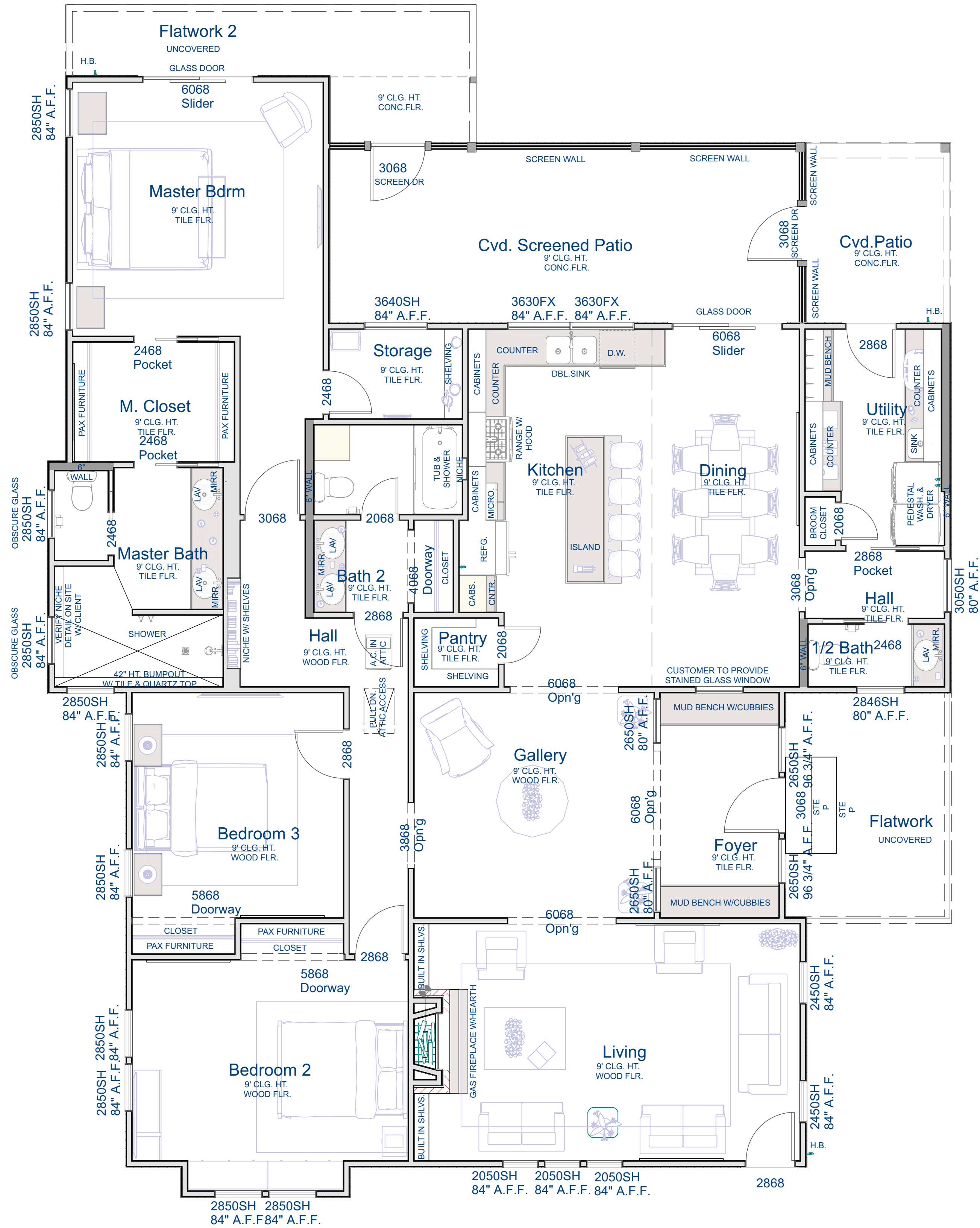
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2 KITCHEN PERSPECTIVE VIEW
SCALE: N.T.S.

WALL SCHEDULE	
2D SYMBOL	WALL TYPE(S)
	SIDING-4
	INTERIOR-4
	INTERIOR-6
	SIDING-6
	INTERIOR-11_2



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

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



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

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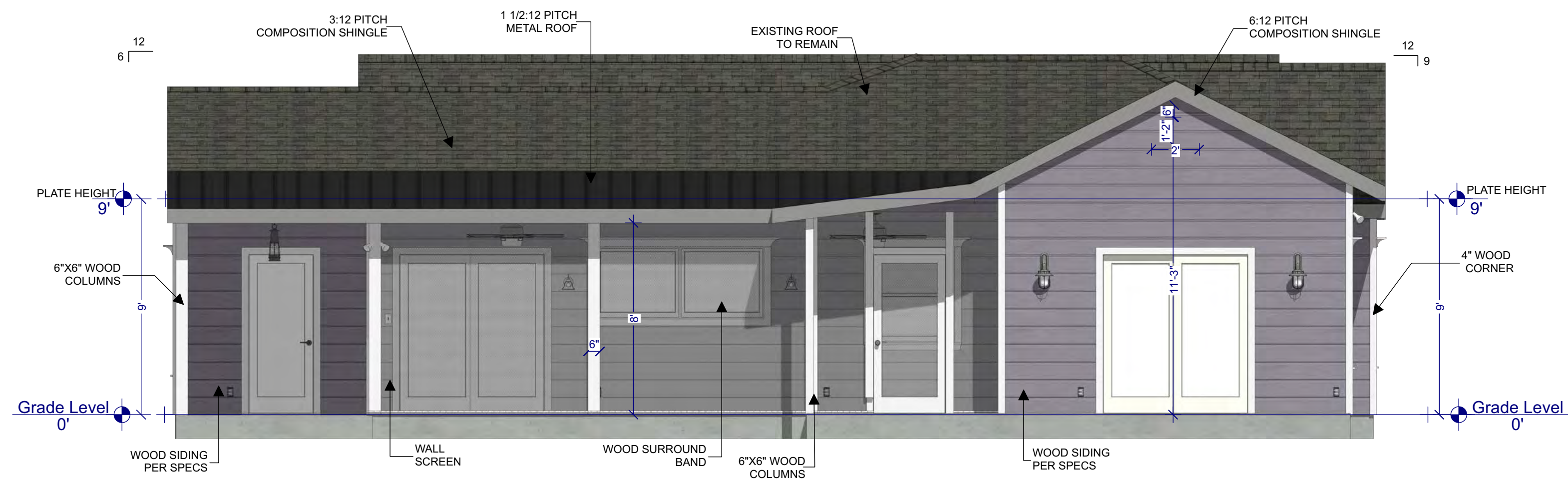
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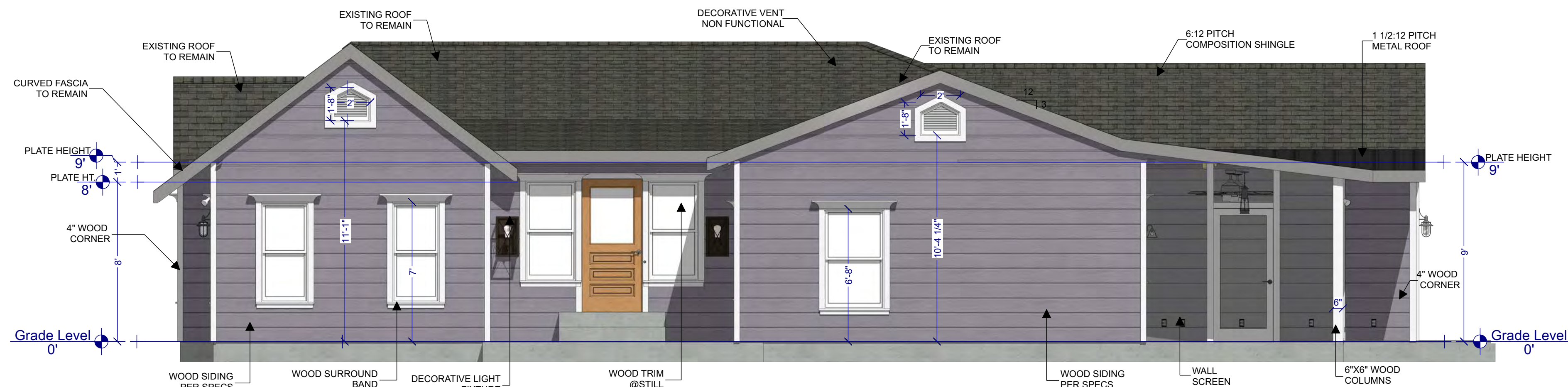
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1 REAR ELEVATION
SCALE: 1/4"=1'-0"



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

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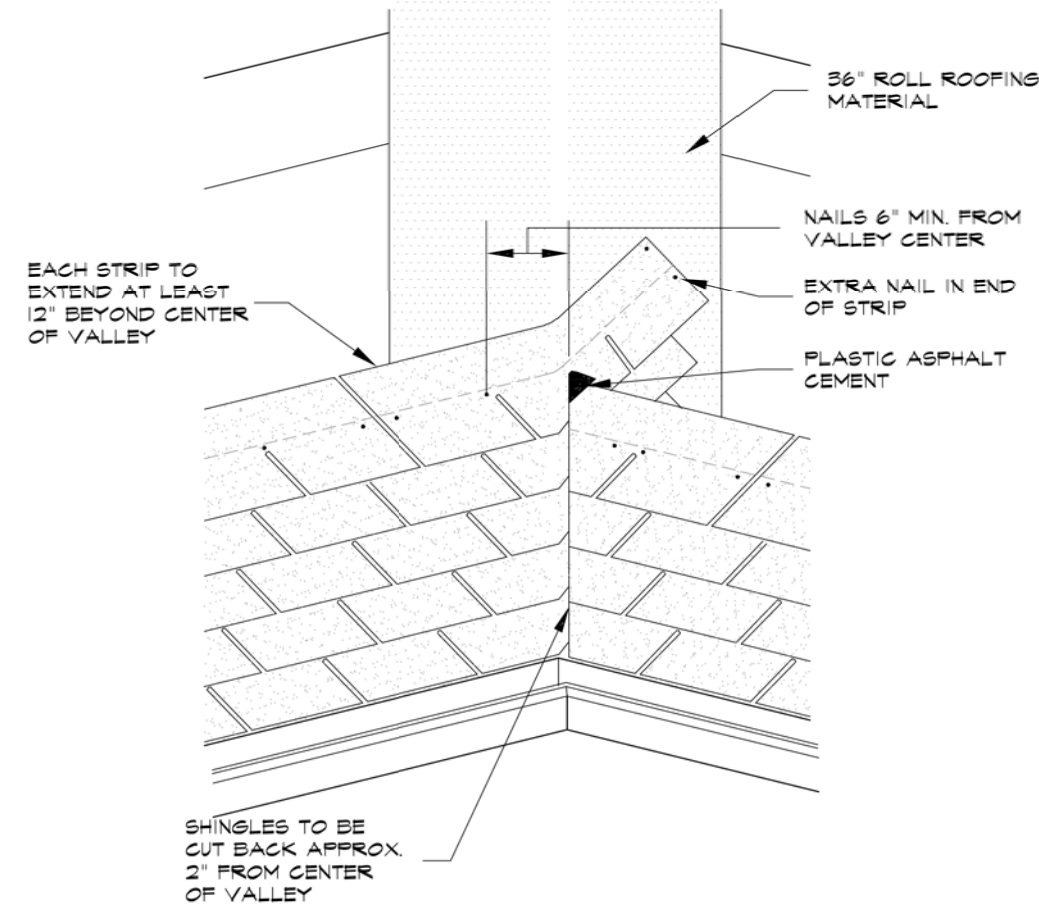
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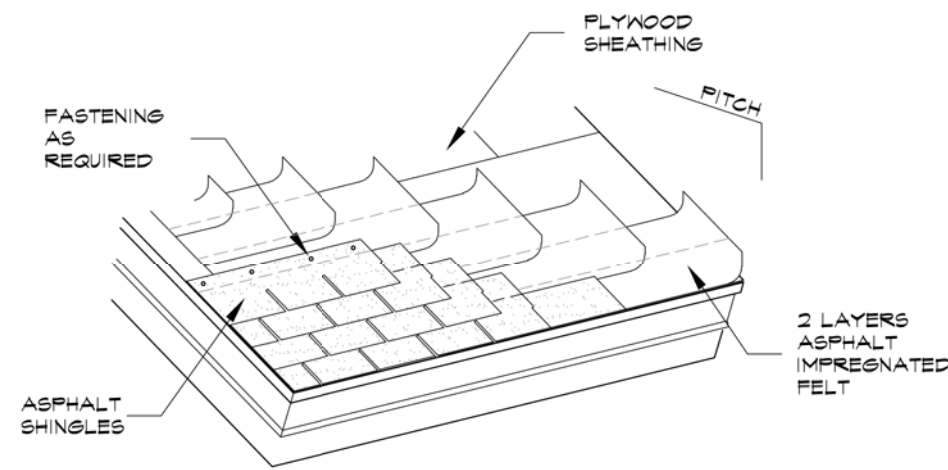
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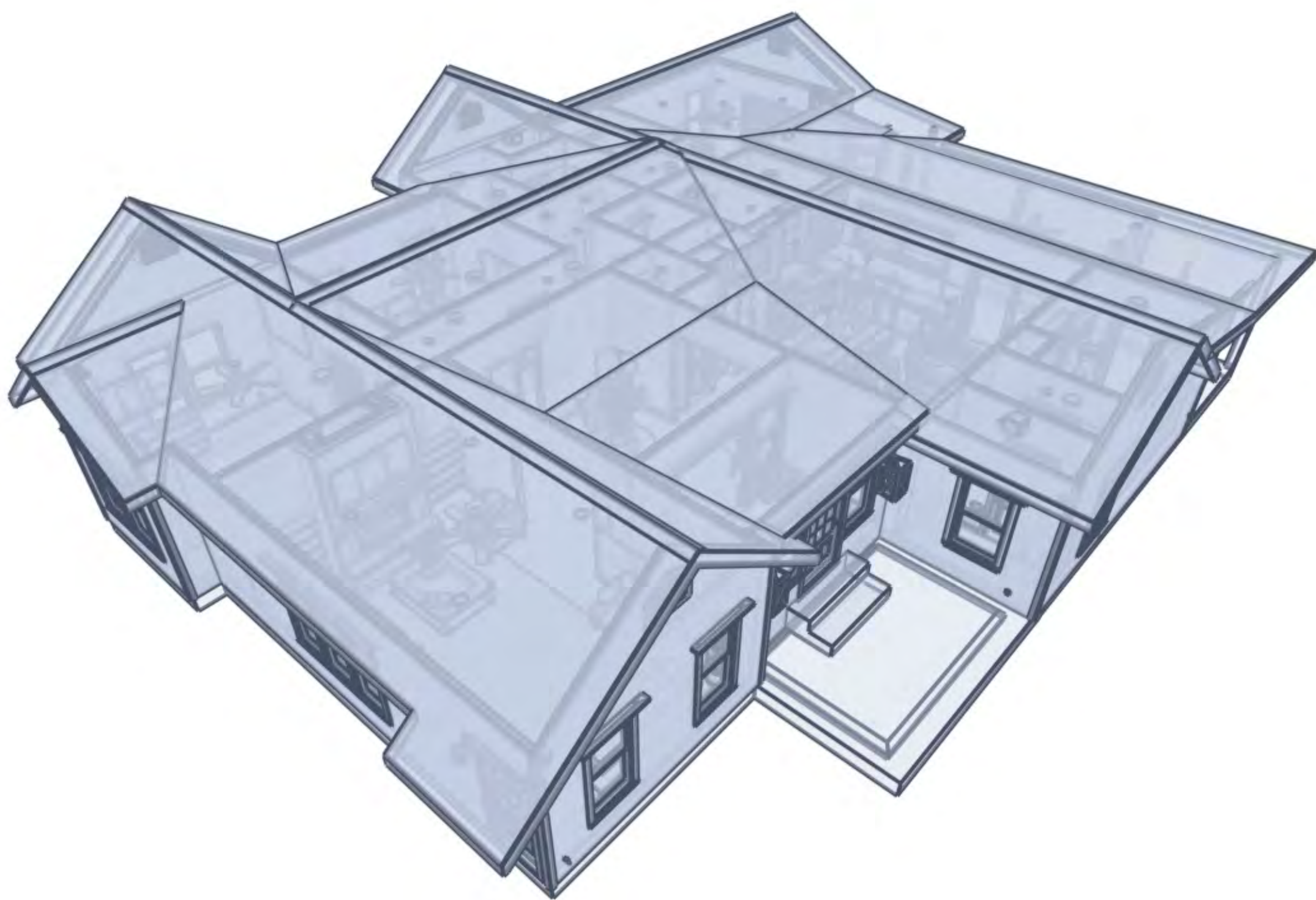
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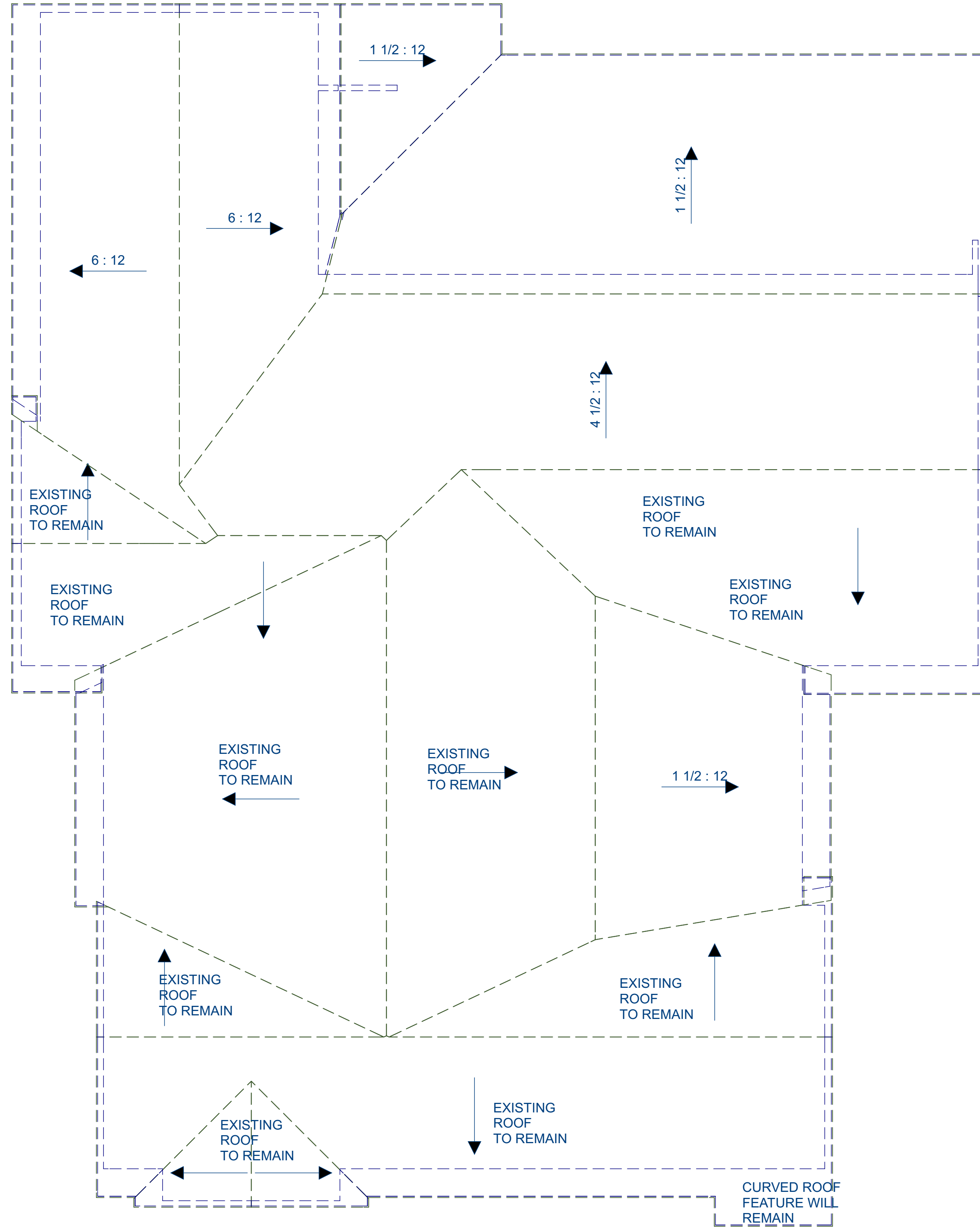
A STANDARD CLOSED-CUT VALLEY
NOT TO SCALE



B STANDARD SHINGLE LAYOUT
NOT TO SCALE



2 ROOF OVERVIEW
SCALE: N.T.S.

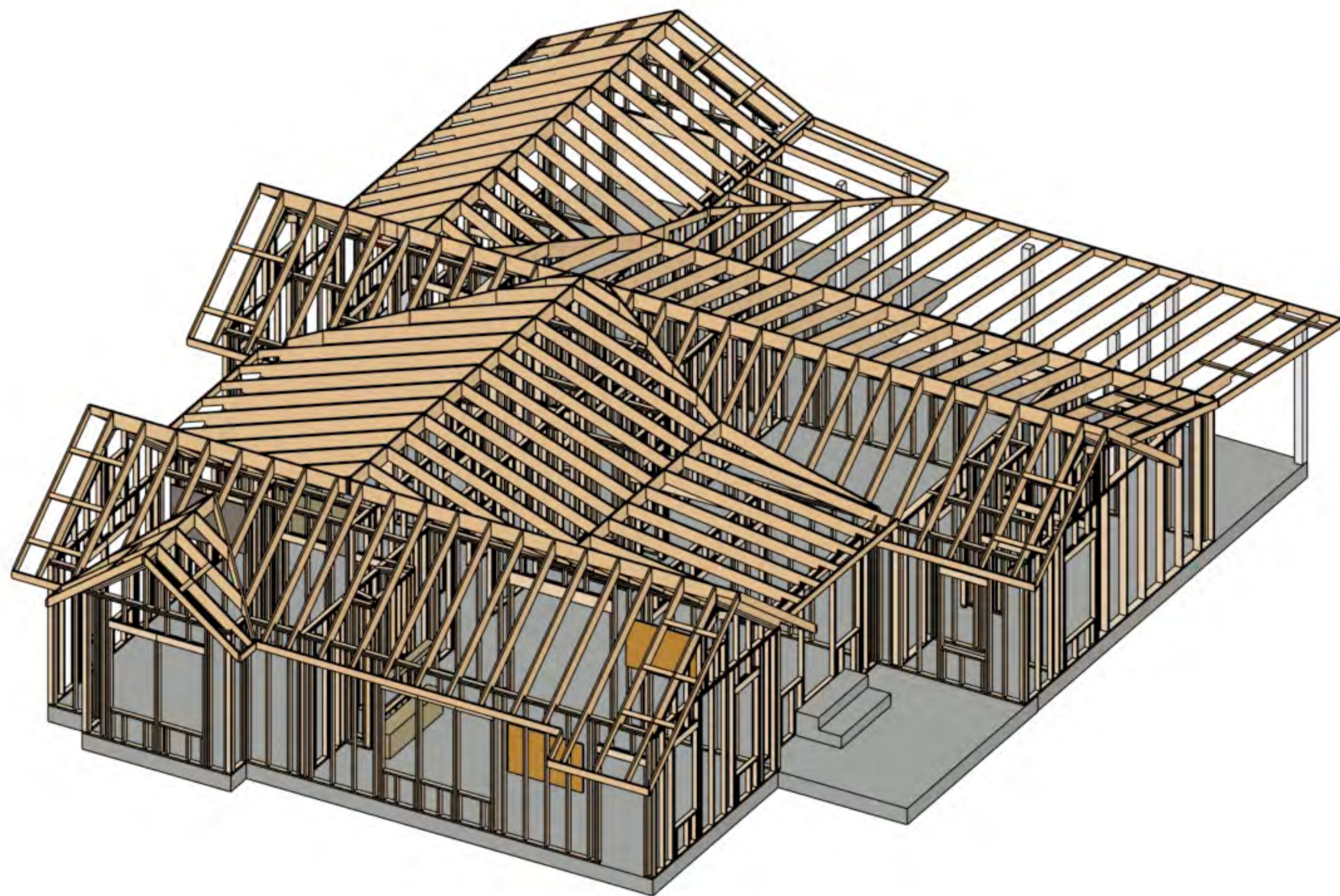


1 ROOF PLAN
SCALE: 1/4"=1'-0"

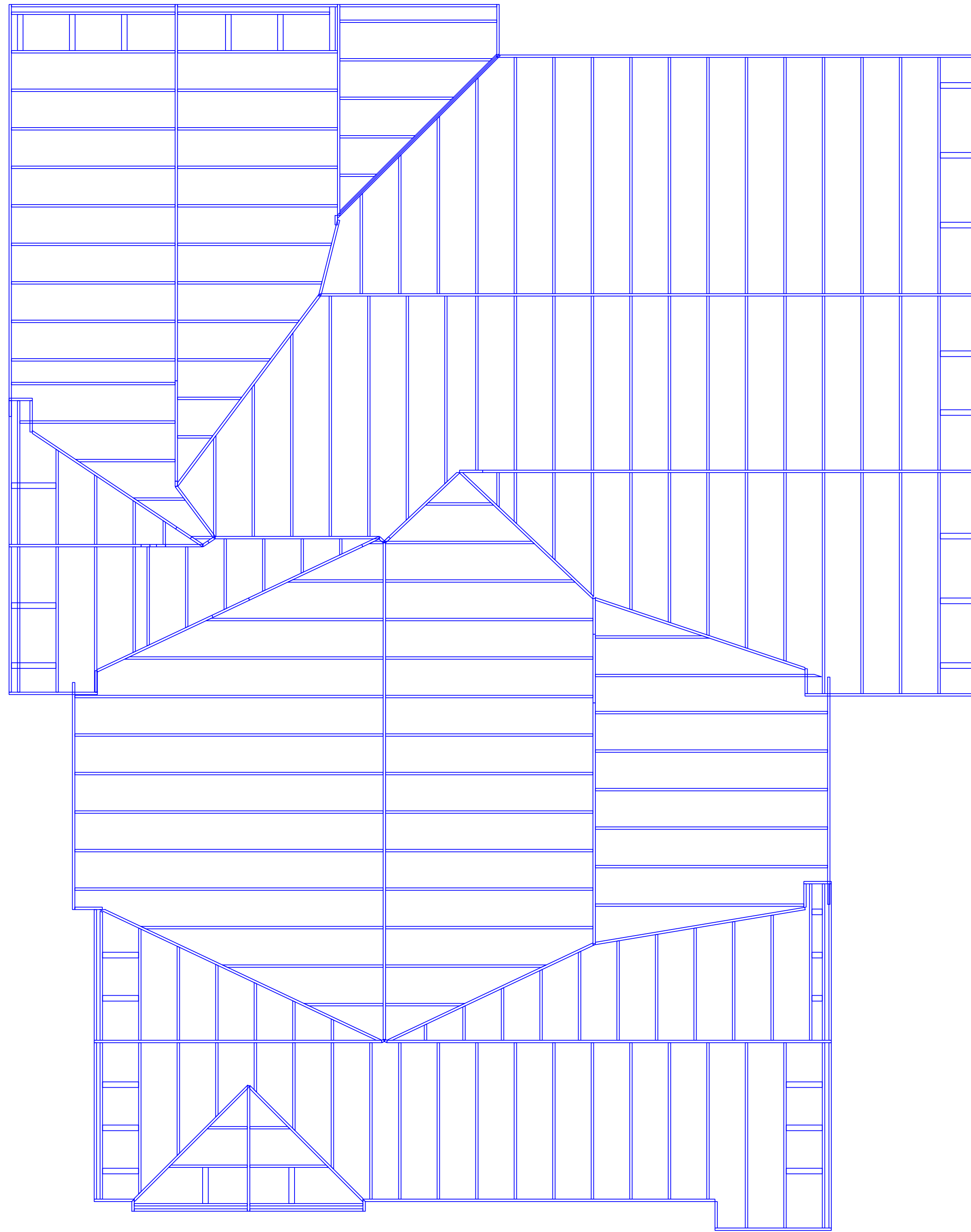
ROOF NOTES

01. COMPOSITION SHINGLE, METAL ROOF
02. 1 1/2:12, 4:12, 8:12, 12:12 ROOF PITCH
03. 16" OVERHANG

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2 FRAMING OVERVIEW
SCALE: N.T.S.



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

NOTES
RAFTER DIAGRAM FOR
ILLUSTRATION PURPOSE
ONLY. PLEASE REFER TO
ENGINEER FRAME PLANS
FOR DETAILS

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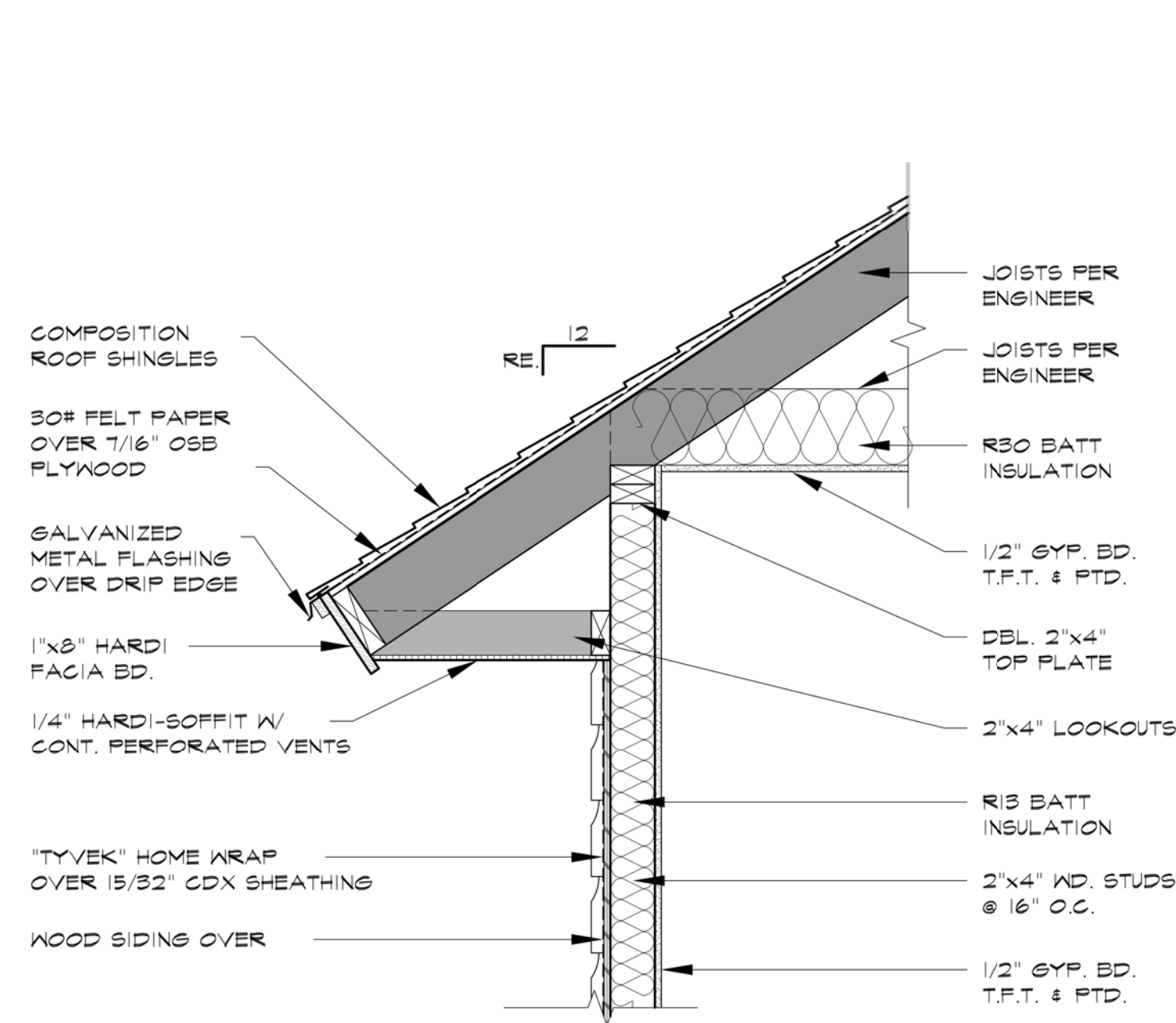


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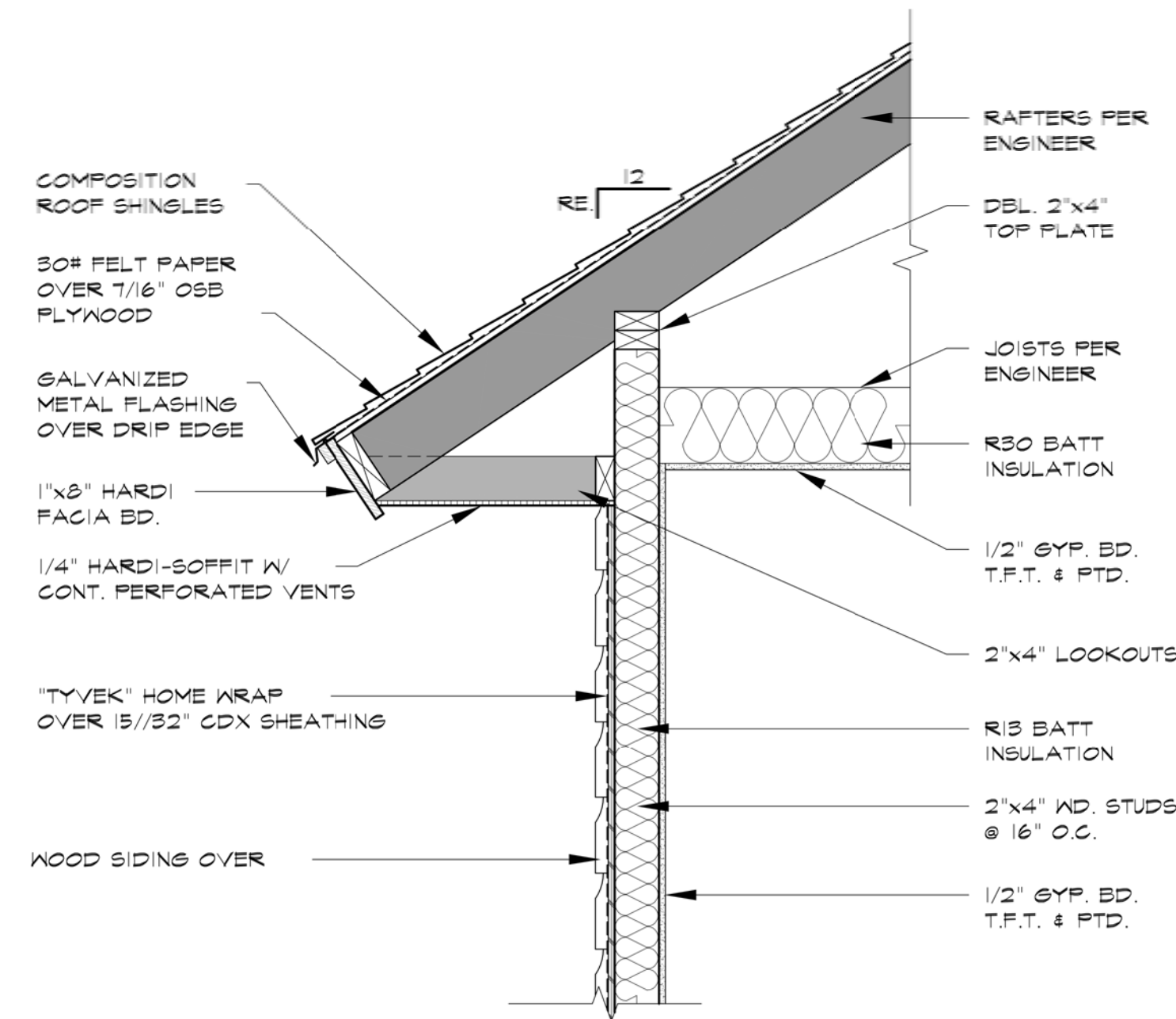
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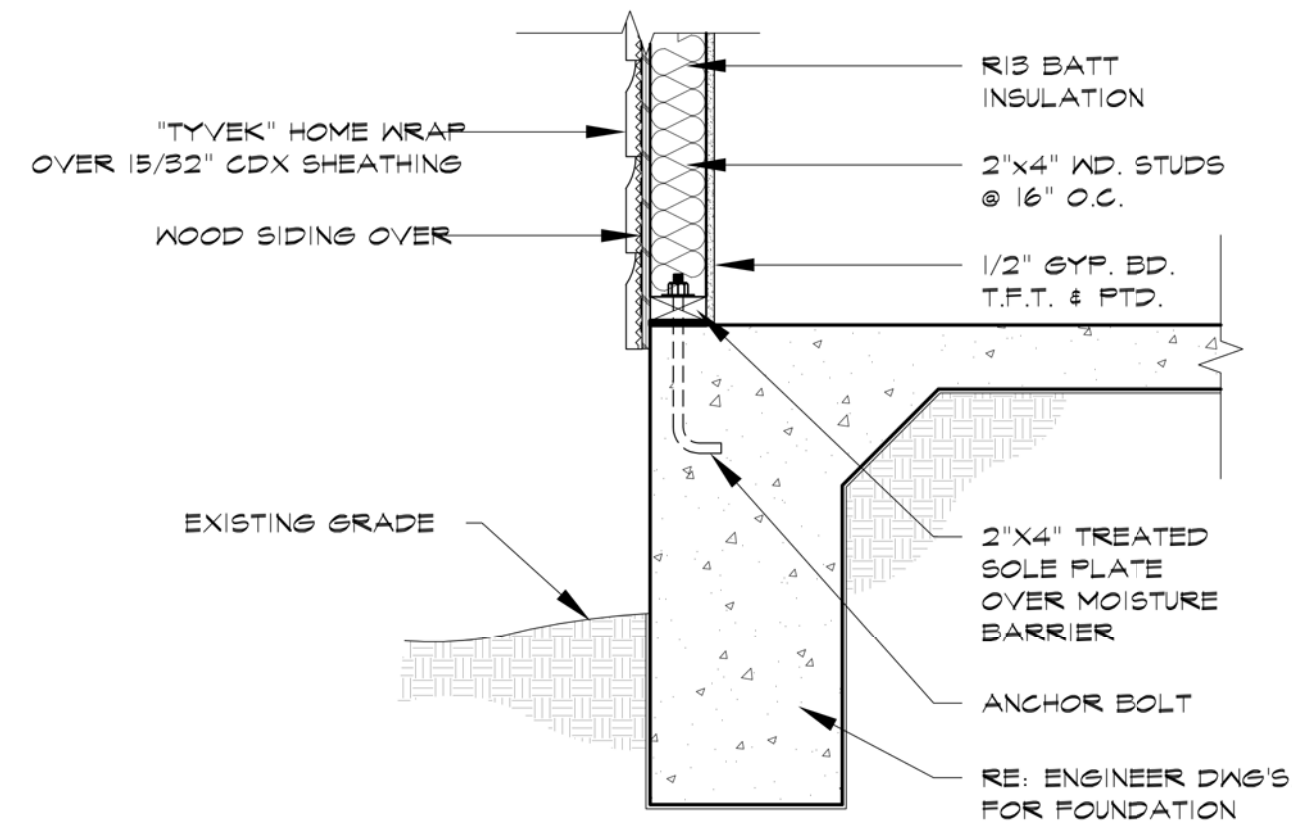
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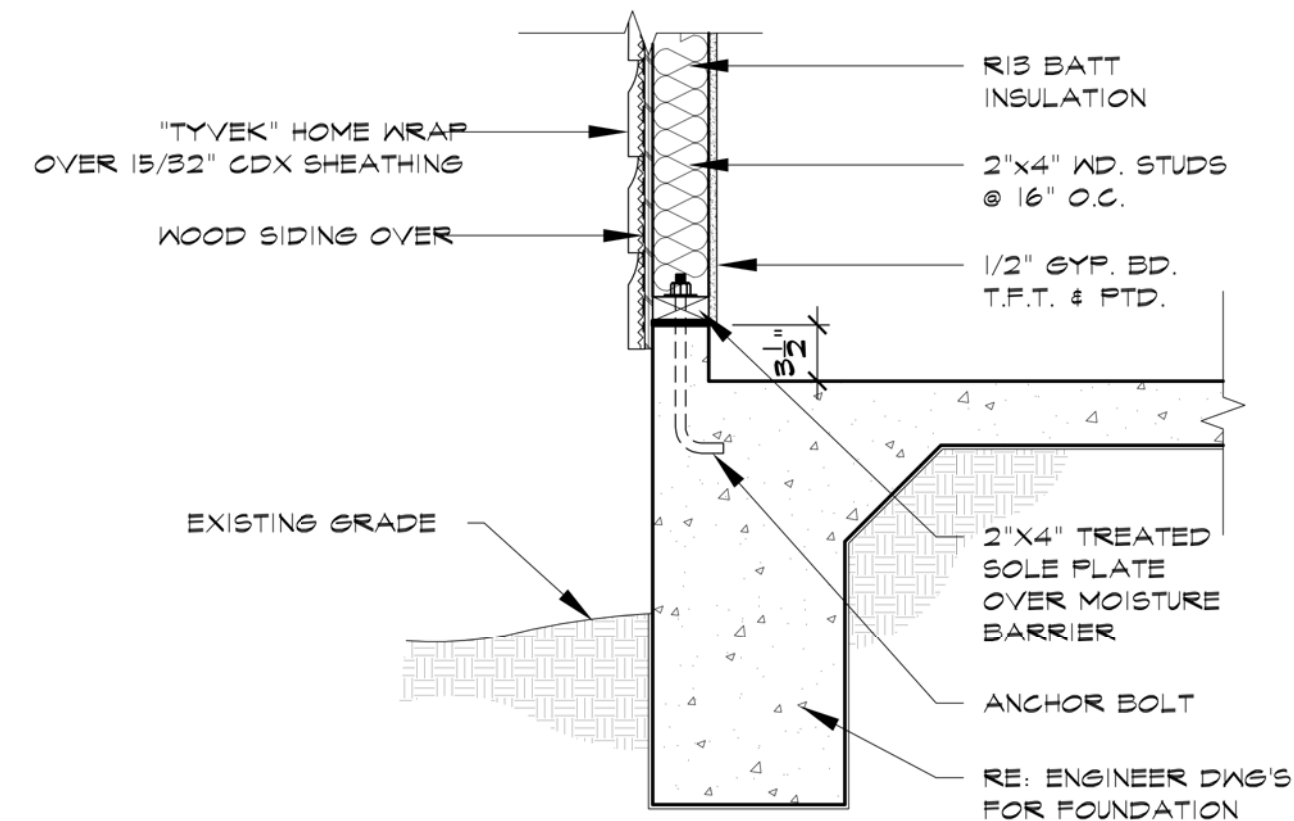
1 STANDARD PLATE
SCALE: 1"=1'-0"



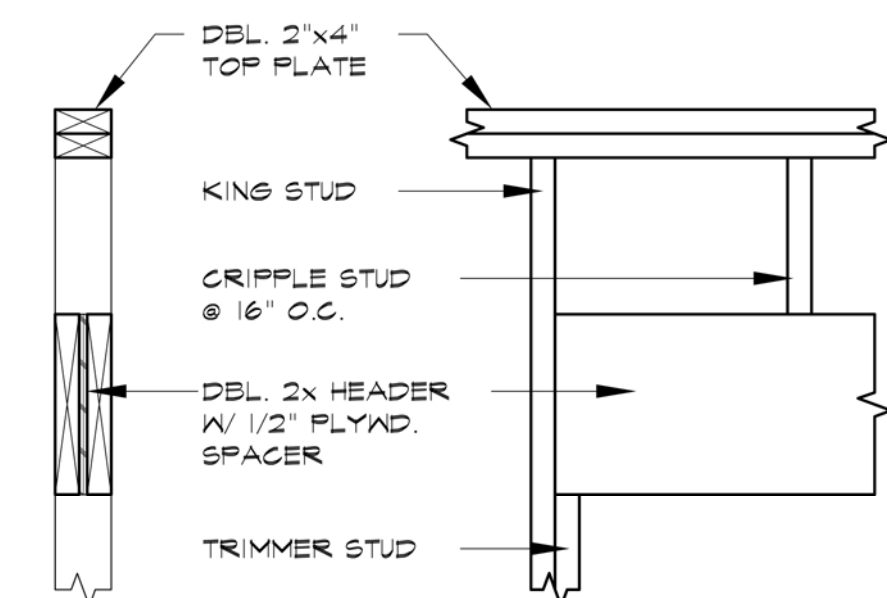
2 RAISED PLATE
SCALE: 1"=1'-0"



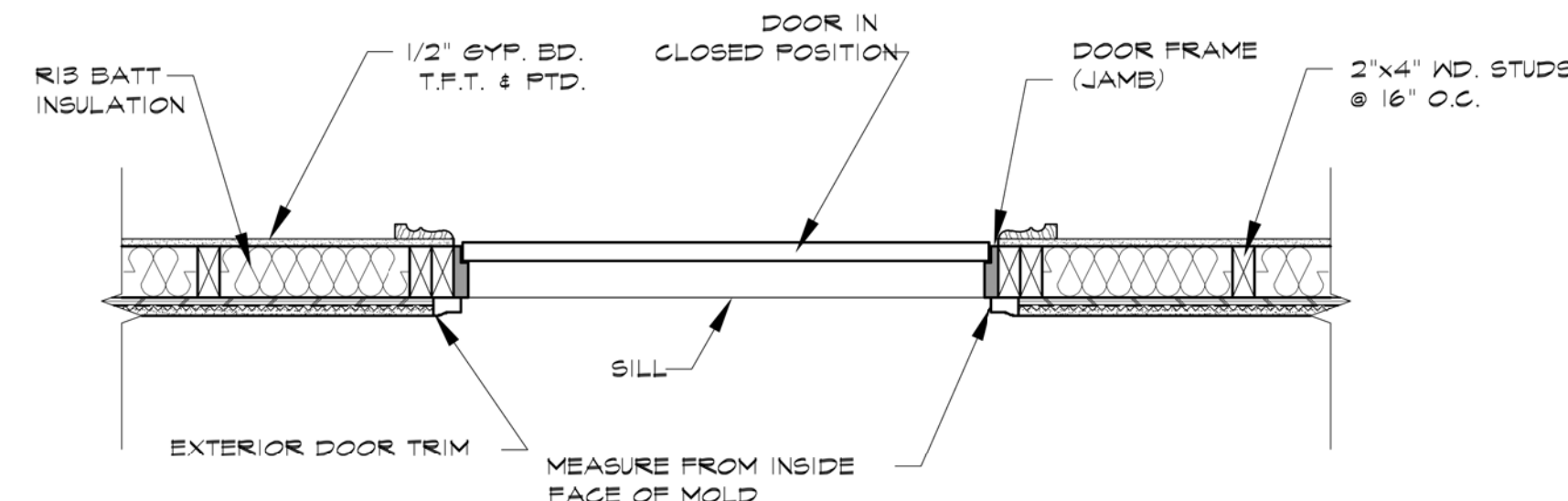
4 SIDING BASE
SCALE: 1"=1'-0"



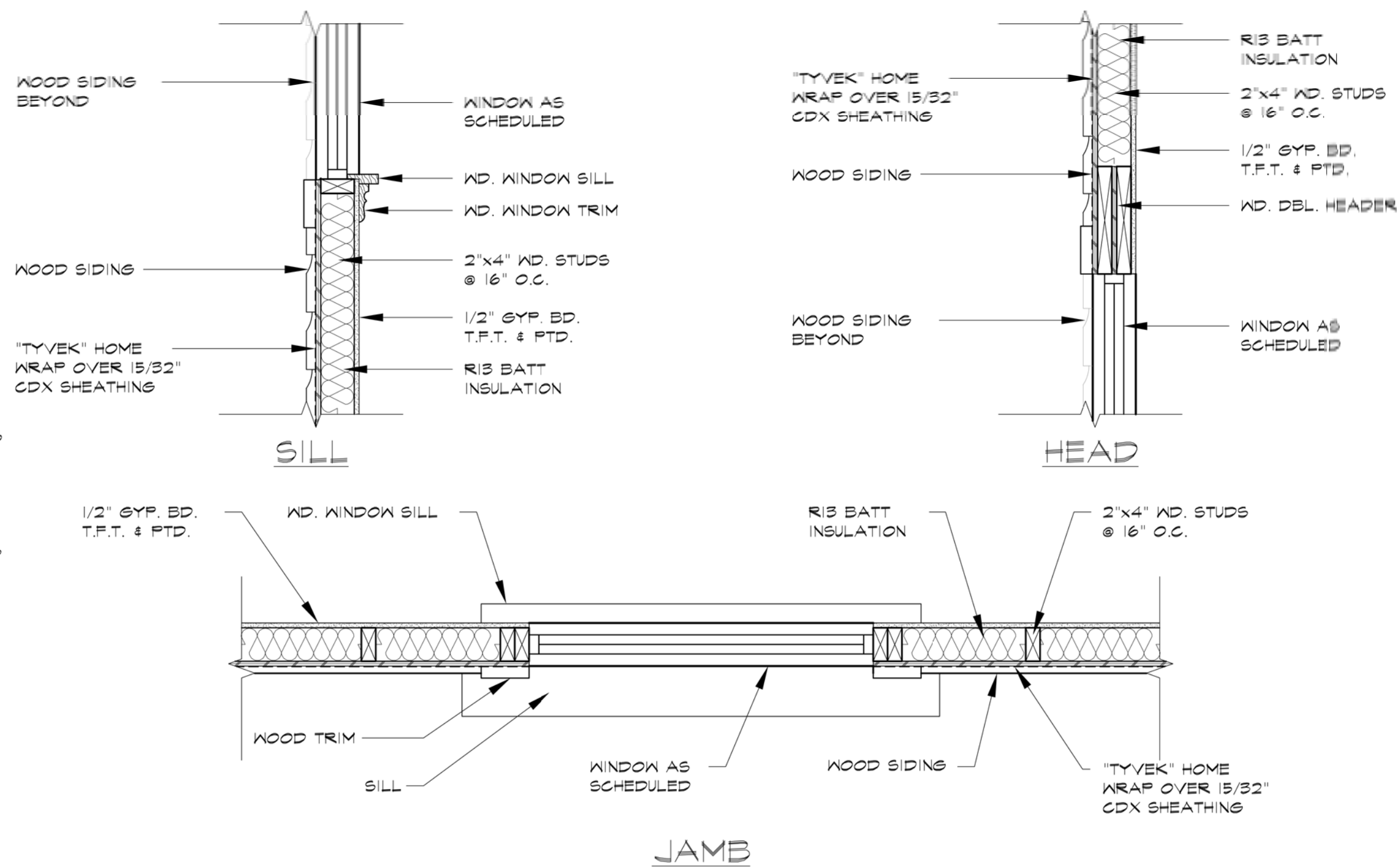
5 GARAGE BASE
SCALE: 1"=1'-0"



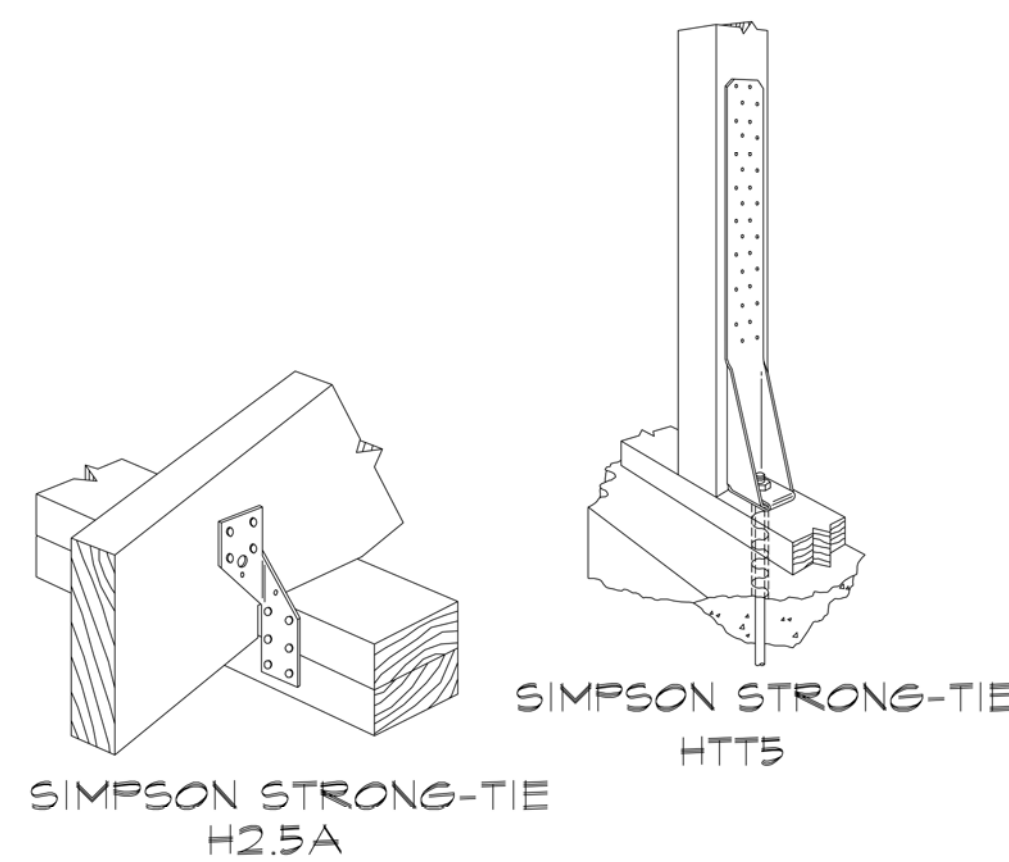
6 HEADER DETAIL
SCALE: 1"=1'-0"



7 DOOR OPN'G DTL
SCALE: 1"=1'-0"



3 WDW DETAILS
SCALE: 1"=1'-0"



HIGH WIND-RESISTANT
CONSTRUCTION NOTES FOR
WINDSTORM CONNECTORS

A). HTT5 SHALL BE PLACED AT ALL OUTSIDE CORNERS

B). H25A SHALL BE PLACED ON EVERY STUD (16" ON CENTER) AT THE FOLLOWING LOCATIONS:

- TOP PLATES
- BOTTOM PLATES

C). H25A SHALL BE PLACED ON EVERY STUD (16" ON CENTER) AT THE FOLLOWING LOCATIONS:

- TOP PLATES
- JOIST
- RAFTER

SHALL HAVE AN ALLOWABLE DESIGN PRESSURE > TO WIND LOADS DESIGN PRESSURE

D). ALL WINDOWS AND DOORS SHALL BE STRAPPED WITH L25A21, 12" BELOW THE HEADER TO THE TOP PLATE

E). ANCHOR BOLTS (6\"/>

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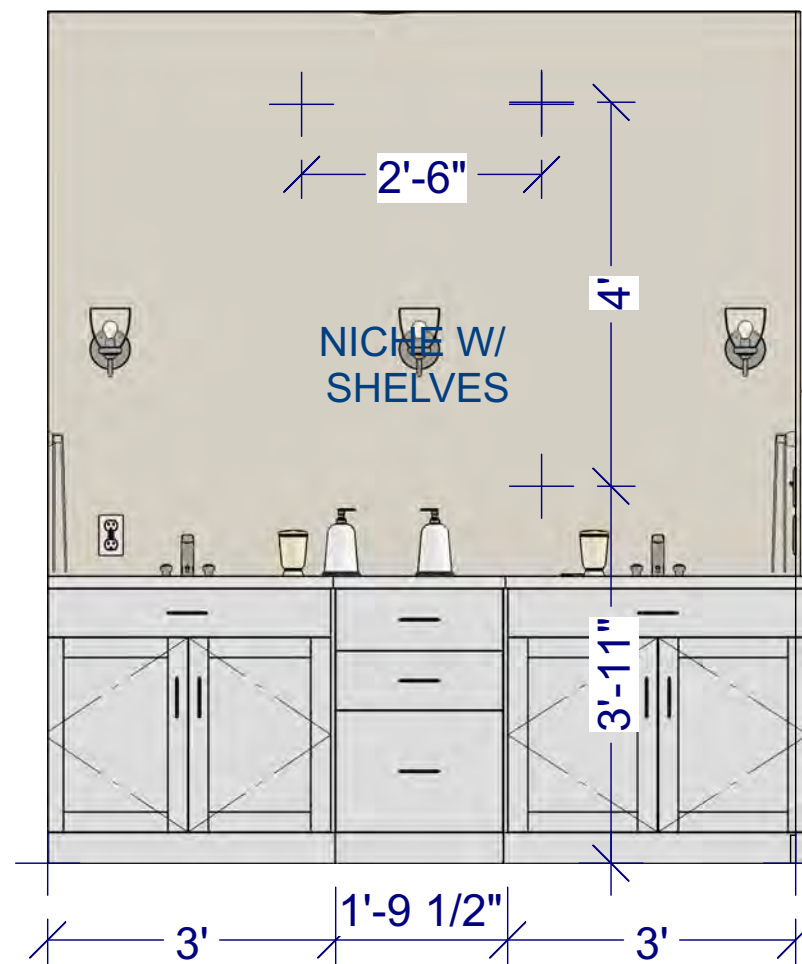
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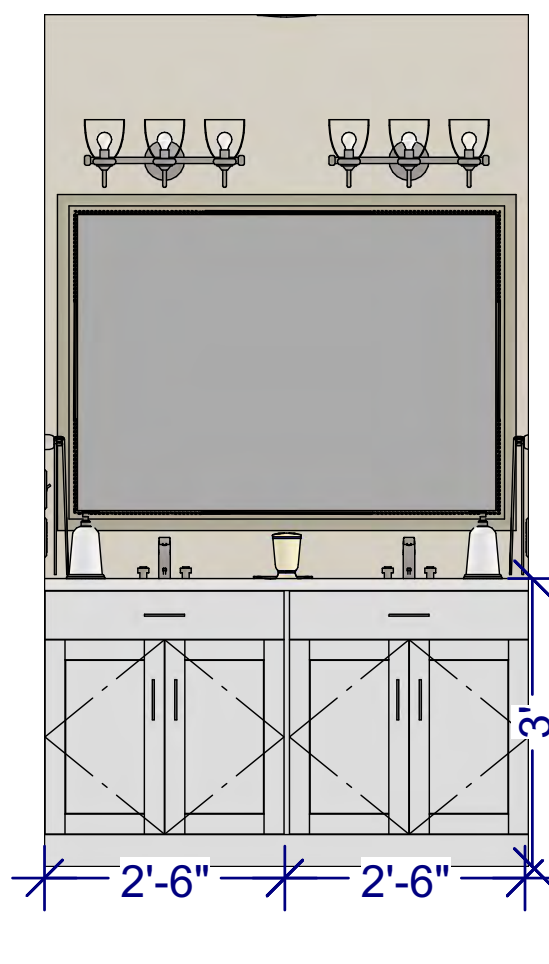
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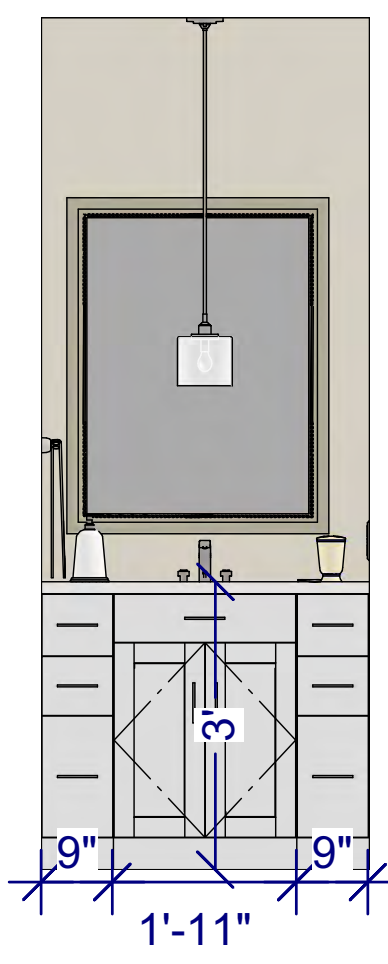
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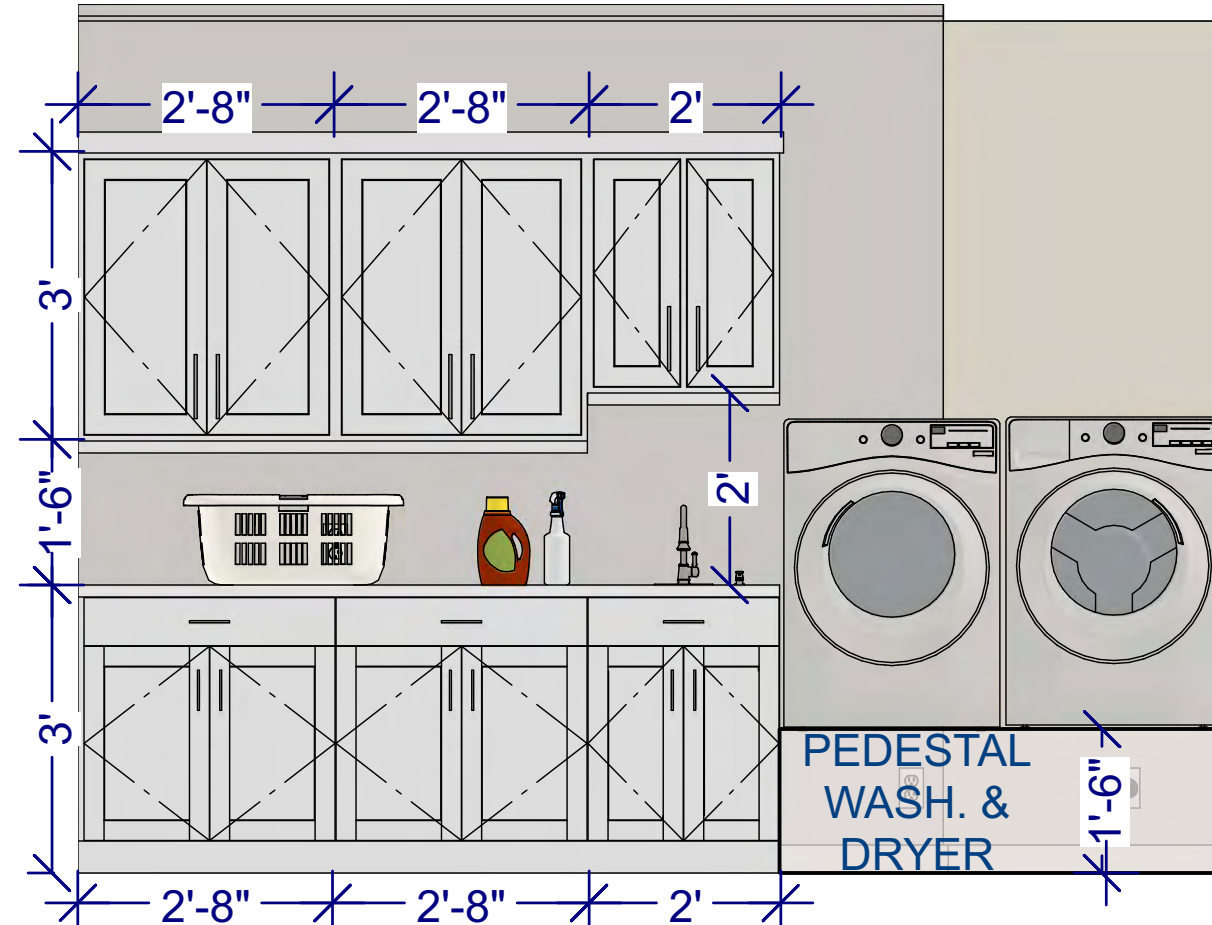
**MASTER BATH
ELEVATION**
SCALE: 1/2"=1'-0"



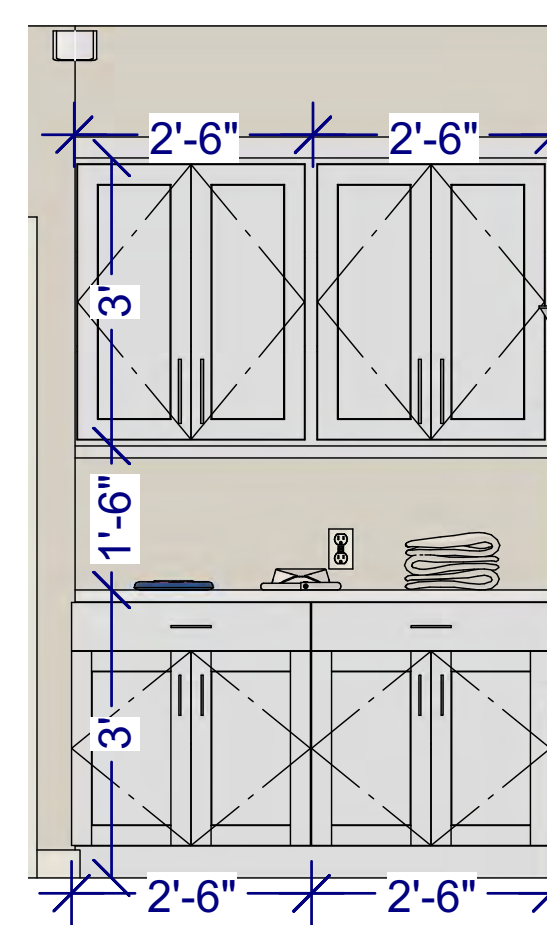
**BATH #2
ELEVATION**
SCALE: 1/2"=1'-0"



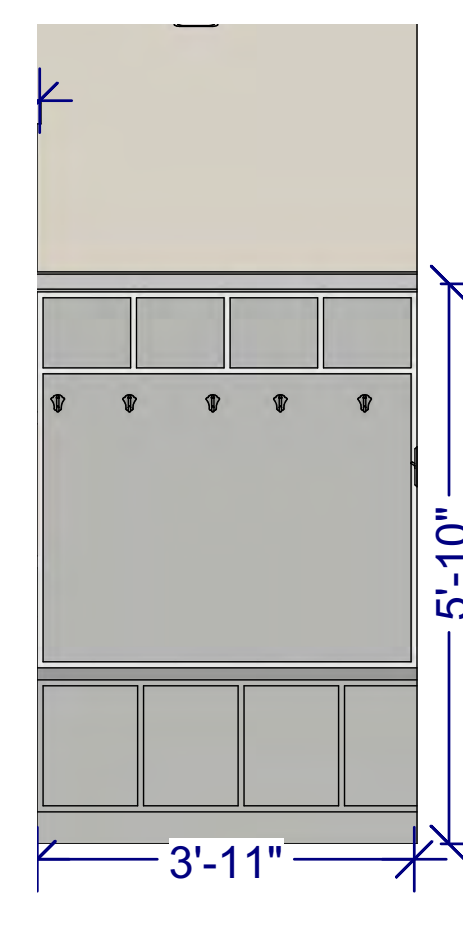
**POWDER
ELEVATION**
SCALE: 1/2"=1'-0"



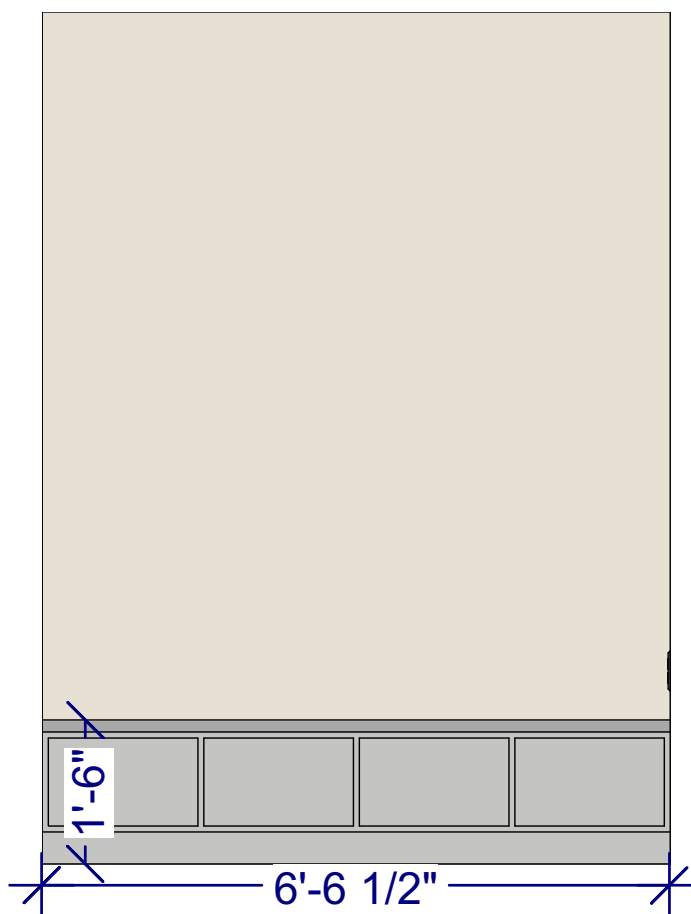
**UTILITY
ELEVATION**
SCALE: 1/2"=1'-0"



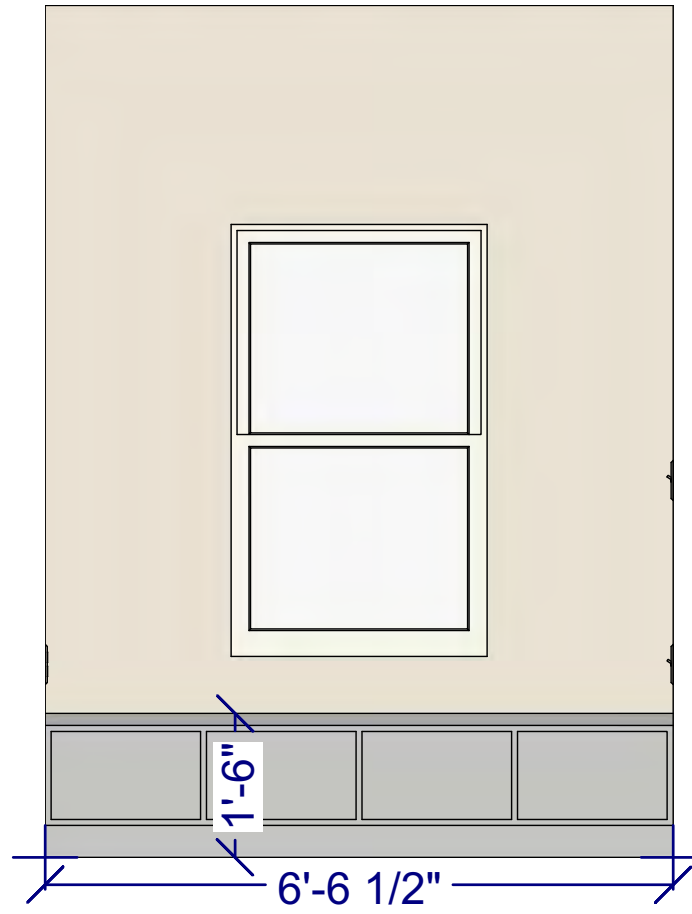
**UTILITY
ELEVATION**
SCALE: 1/2"=1'-0"



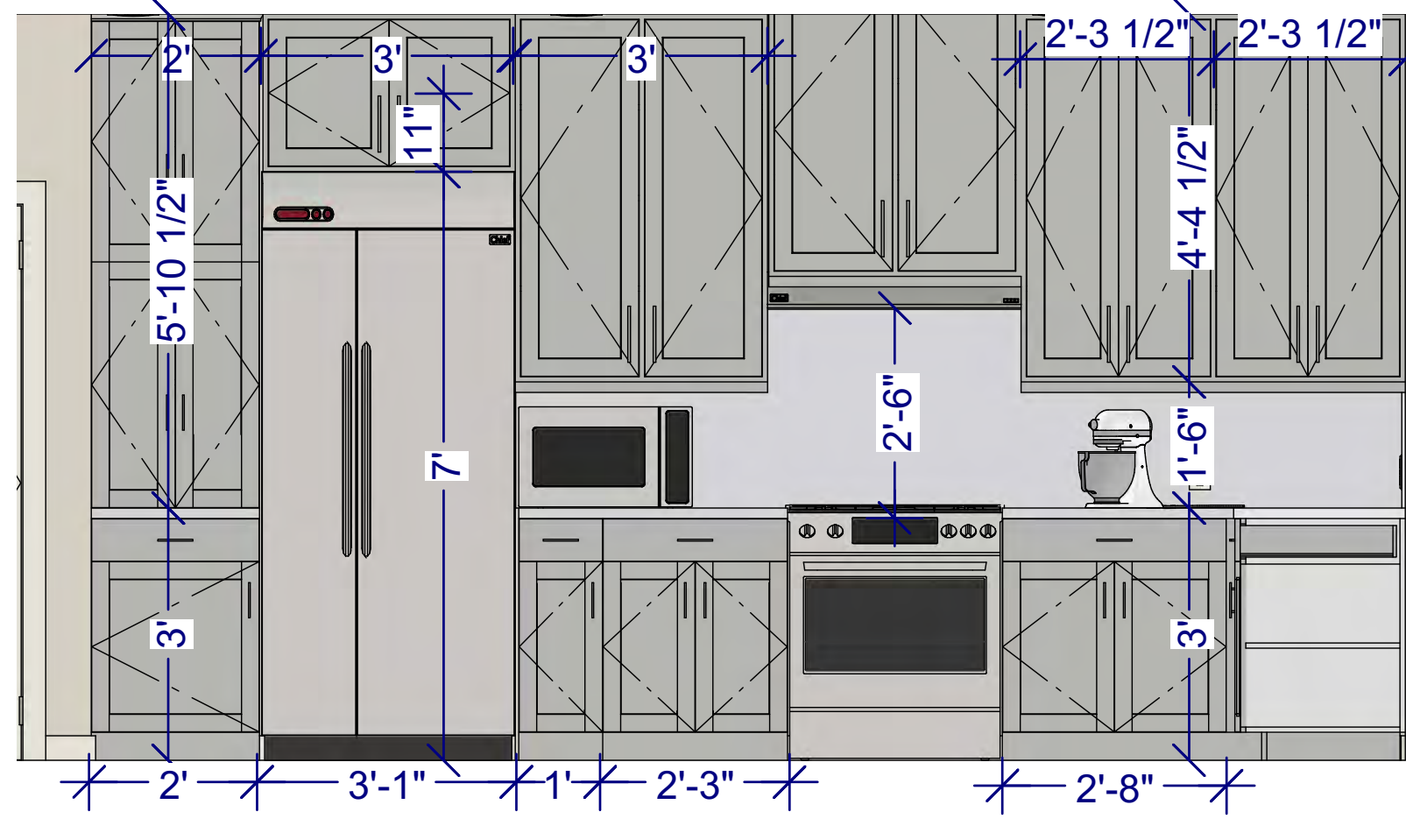
**MUD ROOM
ELEVATION**
SCALE: 1/2"=1'-0"



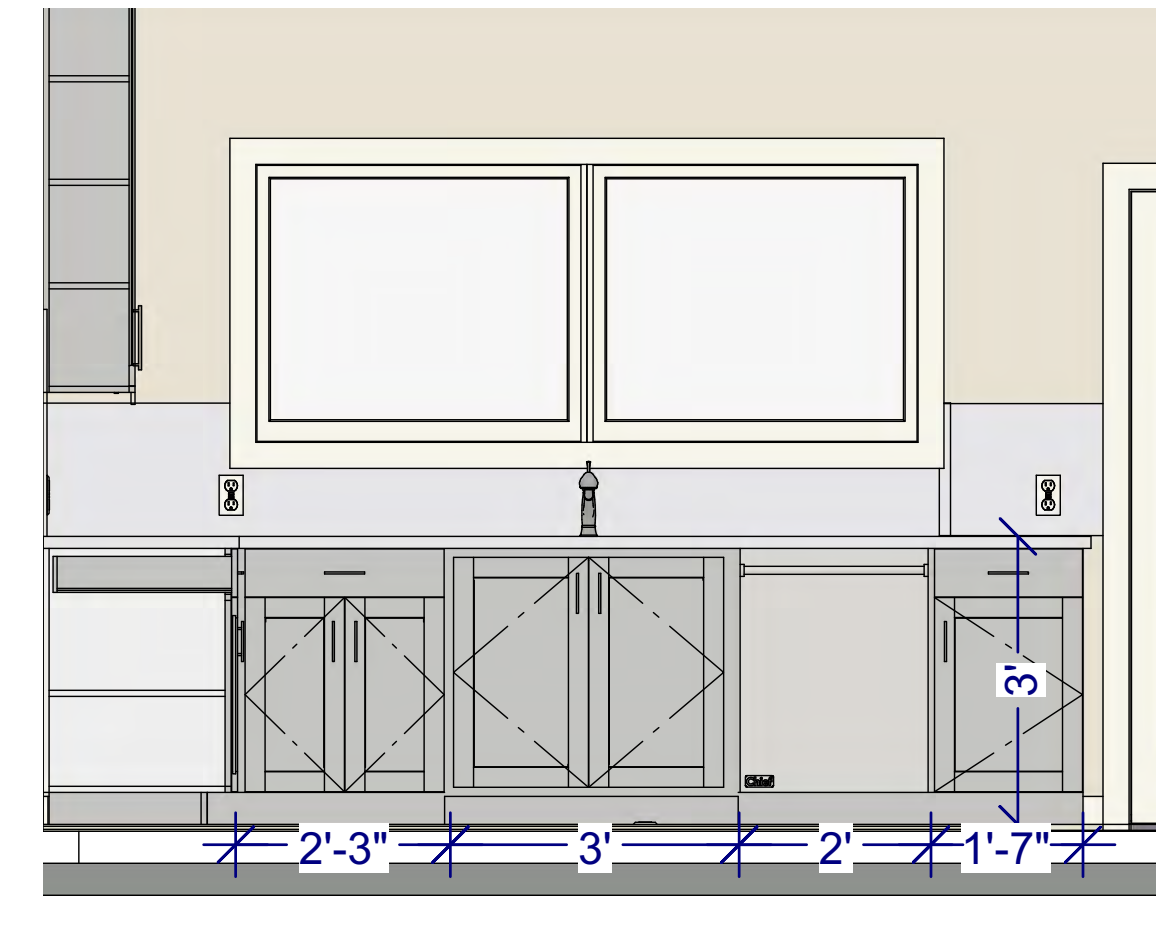
**FOYER
ELEVATION**
SCALE: 1/2"=1'-0"



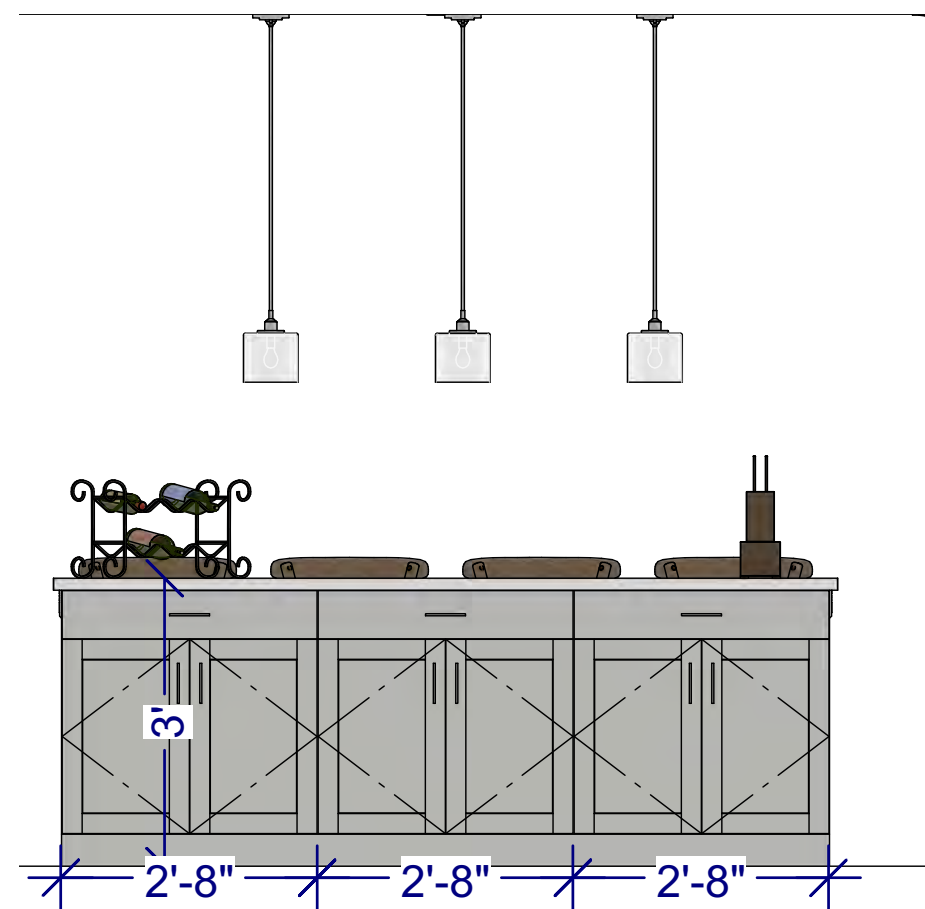
**FOYER
ELEVATION**
SCALE: 1/2"=1'-0"



**KITCHEN
ELEVATION**
SCALE: 1/2"=1'-0"



**KITCHEN
ELEVATION**
SCALE: 1/2"=1'-0"



**KITCHEN ISLAND
ELEVATION**
SCALE: 1/2"=1'-0"

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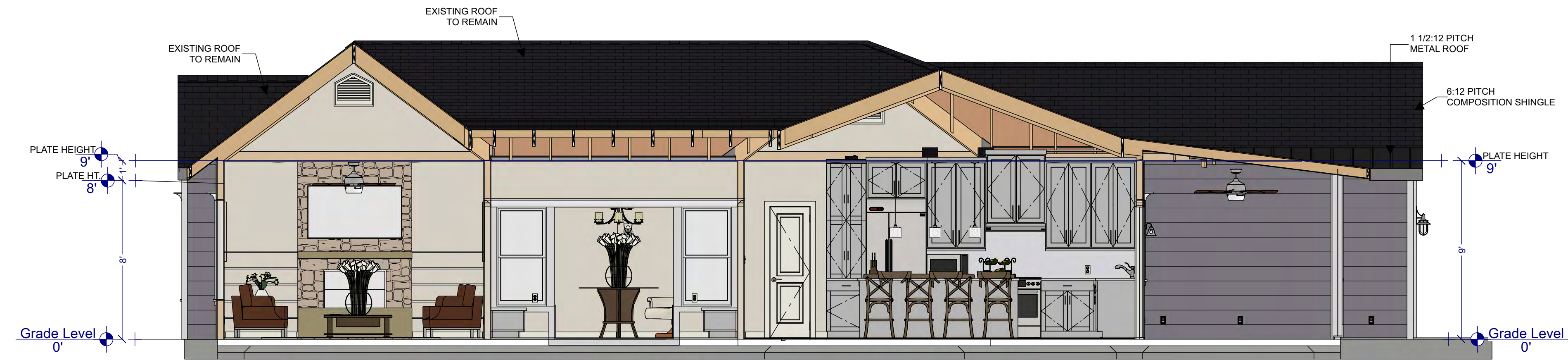
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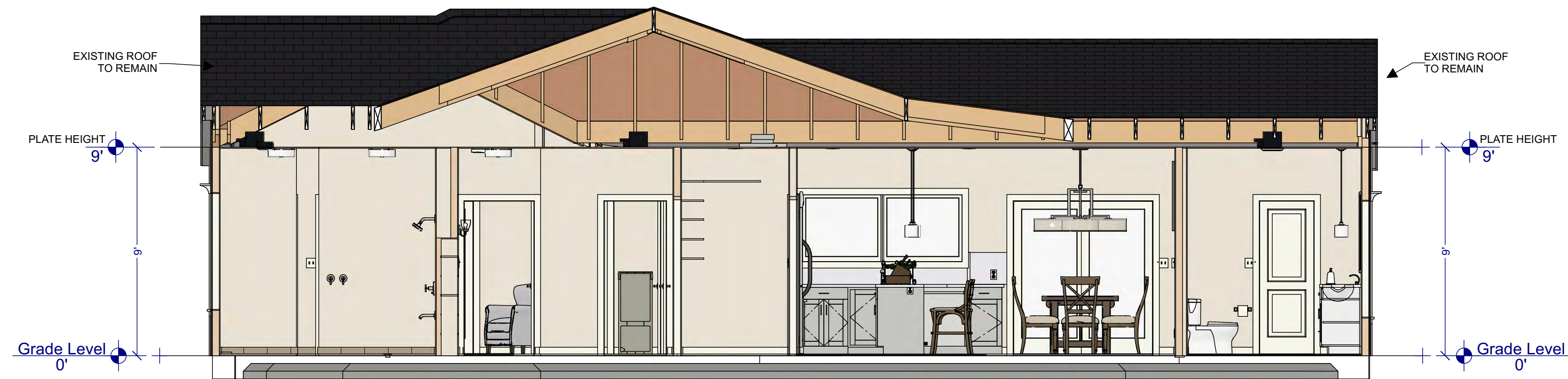
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1 CROSS SECTION
SCALE: 1/4"=1'-0"



2 CROSS SECTION
SCALE: 1/4"=1'-0"

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Product Selection Guide

Size and Performance Data	SD-2
Features and Options	SD-4
Combination Assemblies	SD-5
Glazing Performance	SD-6
Impact-Resistant Glass	SD-9
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Grille Profiles	SD-10
Grille Patterns	SD-11
Size Tables	SD-12
Special Sizes and Dimensions	SD-18
Design Data	SD-19
Detailed Product Descriptions	SD-21
Unit Sections	SD-22
Wood Collection	SD-22
Aluminum-Clad Exterior	SD-26
Handle Hardware Dimensions	SD-29

Supporting documents for this product:

Test Reports:

https://media.pella.com/professional/adm/CertificationReports/Test_Reports_AS-Clad.pdf

CSI Specs (readable using Microsoft Word or other text editing application):

https://media.pella.com/professional/adm/Wood-CSI_Specs/08262-PR.rtf

AIA Masterspec

(readable using Microsoft Word or other text editing application):

[AIA Masterspec: https://media.pella.com/professional/adm/Wood-CSI_Specs/Masterspec/085200_fl.doc](https://media.pella.com/professional/adm/Wood-CSI_Specs/Masterspec/085200_fl.doc)

Detailed Product Description

(readable using Microsoft Word or other text editing application):

<https://media.pella.com/professional/adm/Clad-Wood/ASPro-SlidingDoor.rtf>

Size Tables (requires appropriate CAD software to read and use):

https://media.pella.com/professional/adm/Clad-Wood/AS-Res-SPD-Elev_D.dwg

CAD cross sections (requires appropriate CAD software to read and use):

https://media.pella.com/professional/adm/Clad-Wood/AS-RES-SPD-Details_D.dwg

3D & BIM (requires appropriate software to read and use):

https://media.pella.com/professional/adm/RevitFiles/PR-Revit/Door-Sliding_Door-Pella-Reserve-Traditional.zip

Sketchup (requires appropriate software to read and use):

https://media.pella.com/professional/adm/Clad-Wood/PellaSKP_PellaReserve_Traditional_Sliding_Door.zip

Combination Recommendations:

https://media.pella.com/professional/adm/Clad-Wood/D_Combinations.pdf

Installation Details:

https://media.pella.com/professional/adm/Clad-Wood/F_InstallationDetails.pdf

Impact-Resistant Sliding Door, Complete Product Information:

https://media.pella.com/professional/adm/Clad-Wood/Pella-ImpactResistant_SlidingDoor.pdf

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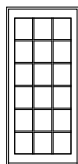


Pella® Architect Series® Traditional Sliding Patio Door

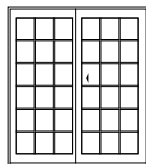
Size and Performance Data

Sizes	
Standard Door Sizes	•
Standard Fixed Frame Direct Set Transom Sizes	•
Fixed Sash and Frame	•
Wide Stile Fixed Sash and Frame	•
Special Sizes	•
Custom Sizes	•
One-Panel Door Width (Fixed - O)	
2' 7"	•
3' 1"	•
3' 7"	•
4' 1"	•
5' 1"	•
Two-Panel Door Width (Fixed-Vent or Vent-Fixed – OX or XO)	
5'	•
6'	•
7'	•
8'	•
9' 11"	•
Three-Panel Door Width (Fixed-Vent-Fixed – OXO)	
7' 6"	•
9'	•
10' 6"	•
12'	•
15'	•
Four-Panel Door Width (Fixed-Vent-Vent-Fixed – OXXO)	
9' 9"	•
11' 9"	•
15' 9"	•
19' 8"	•
Door Heights	
6' 7-1/2"	•
6' 10"	•
8'	•
9'	•
10'	•

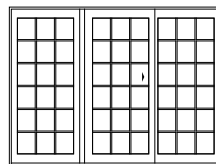
One-Panel



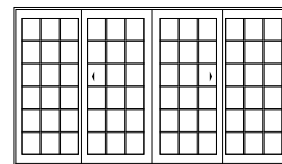
Two-Panel



Three-Panel



Four-Panel



(-) = Not Available

Three-Panel, Fixed-Vent-Fixed (OXO) combination doors also available as OOX and XO combinations.



Pella® Architect Series® Traditional Sliding Patio Door

Size and Performance Data

Performance ₁

Standard

Meets or Exceeds AAMA/WDMA Ratings	SD-LC30 - LC70 Hallmark Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure)	0.10
Water Resistance	4.59 - 10.65 psf
Design Pressure	30 - 70 psf

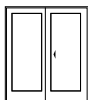
Impact-Resistant Glass

7/8" Insulated Glass PVB	Up to DP70
Meets or Exceeds AAMA/WDMA Ratings	Wind Zone 4 - Missile D Hallmark Certified FPAS - HVHZ Approved

Other Performance Criteria

Forced Entry Resistance Level (Minimum Security Grade) ₂	40
Operating Force (lb.) Initiate Motion / Maintain Motion (of Hallmark tested size and glazing) ₃	30/20

Sound Transmission Class / Outdoor-Indoor Transmission Class

Product	Frame Size Tested ₄	Glazing System				STC Rating	OITC Rating
		Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness	Third Pane Thickness		
Clad Sliding French Door 	WITH INTEGRAL GRILLES						
	71-1/4" x 81-1/2" (Fixed-Vent)	(Test results not available, see values below for approximate values, typical performance improves slightly with the use of ILT grilles with non-glare spacers.)					
	WITHOUT GRILLES						
	71-1/4" x 81-1/2" (Fixed-Vent)	13/16"	3 mm	3 mm	–	29	24
	71-1/4" x 81-1/2" (Fixed-Vent)	13/16"	5 mm	7.6mm PVB	–	35	30
	71-1/4" x 81-1/2" (Fixed-Vent)	13/16"	4 mm	6 mm	–	34	30
	71-1/4" x 81-1/2" (Fixed-Vent)	7/8"	8.6 mm PVB	5 mm	–	34	30
71-1/4" x 81-1/2" (Fixed-Vent)	1"	4 mm	4 mm	4 mm	32	28	

(1) Maximum performance for single unit when glazed with the appropriate glass thickness. See Design Data pages in this section for specific product performance class and grade values.

(2) The higher the level, the greater the product's ability to resist forced entry.

(3) Glazing configurations may result in higher operational forces.

(4) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration.



Pella® Architect Series® Traditional Sliding Patio Door

Features and Options

Standard	Options / Upgrades
Glazing	
Glazing Type	
Dual-Pane Insulating Glass	Triple-pane Insulating Glass
Insulated Glass Options/Low-E Types	
Advanced Low-E	SunDefense™ Low-E
	AdvancedComfort Low-E
	NaturalSun Low-E
	Clear (no Low-E coating)
Additional Glass Options	
Tempered Glass	Obscure Glass ₁
	Tinted Glass (Bronze, Gray and Green)
	Non-Impact Laminated
	Products with Impact-Resistant Laminated Dual-Pane 7/8" Insulating Glass
Gas Fill/High Altitude	
Argon	High altitude
Wood Types	
Pine	Mahogany, Douglas Fir
Exterior	
EnduraClad® aluminum-clad	EnduraClad Plus aluminum-clad
Cladding Colors	
Standard colors	Feature Colors, Custom Colors ₁
Interior	
Unfinished wood	Factory primed ₂ , Factory prefinished paint ₂ , Factory prefinished stain ₂
Hardware	
Interior	
Champagne, White or Brown or Matte Black	Satin Brass, Satin Nickel or Oil-Rubbed Bronze, Distressed Bronze, Distressed Nickel
Exterior	
Handle matches cladding	—
Locking system	
Multi-Point	—
Key Lock	—
Foot Bolt	—
Grilles	
Integral Light Technology® Grilles	
—	Traditional, Prairie, Top Row, Cross, New England, Victorian, Custom
Grilles-Between-the-Glass	
—	Traditional, Prairie, Top Row ₁ , Cross, Custom-Equally Divided
Screens₃	
Flat Screen	Rolscreen® Retractable

(1) Contact your local Pella sales representative for current designs and color options.

(2) Not available on Mahogany and Douglas Fir interiors.

(3) Rolscreen available in OX, XO, OXO doors only.

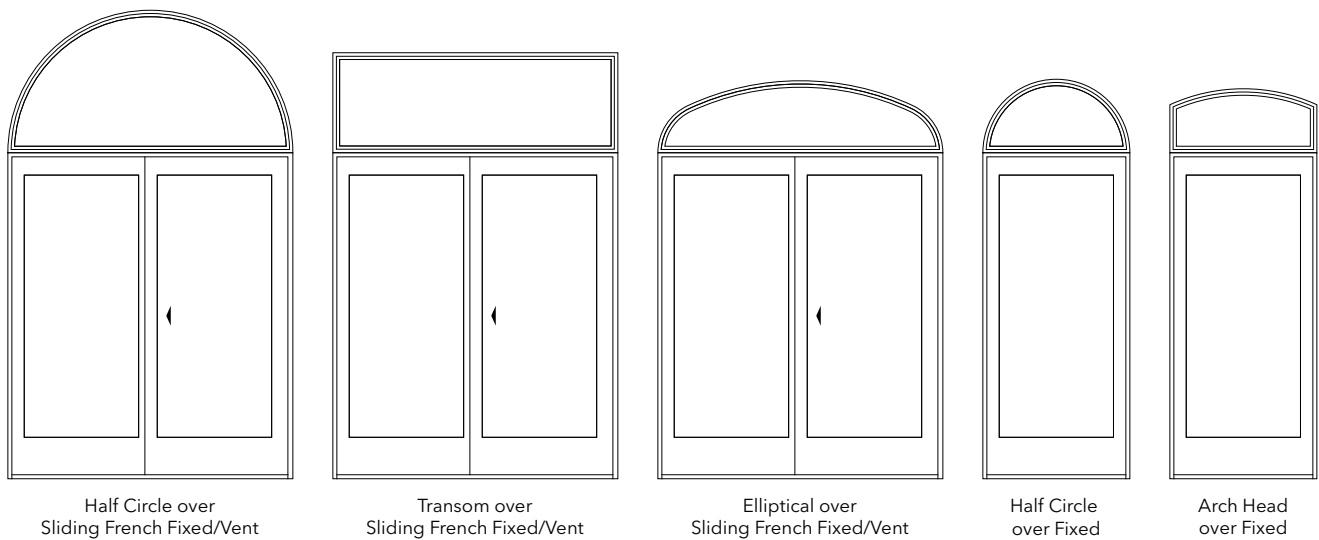


Combination Assemblies

Combinations are a great way to create visual interest in any project. A combination is an assembly formed by two or more separate windows or doors whose frames are mullied together by a combination or reinforcing mullion.

Pella window combinations are available in an endless variety of arrangements. See the Combinations Recommendations document for requirements and limitations.

Contact your local Pella sales representative for more information.





Pella® Architect Series® Traditional Sliding Patio Door

Glazing Performance - Total Unit

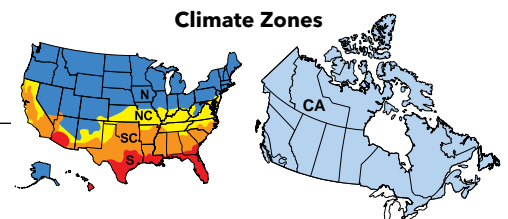
Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT %	CR	U. S.				Canada ₂	
										Zone				ER	Zone
Dual-Pane French Aluminum-Clad Exterior (O, OX/XO, OXO and OXXO)										N	NC	SC	S	CA	
13/16"	Clear IG	PEL-N-237-00917-00001	3	3	Air	0.42	0.48	50	43						
	with grilles-between-the-glass	PEL-N-237-00918-00001				0.42	0.42	43	43						
	with integral grilles	PEL-N-237-00919-00001				0.42	0.42	43	43						
13/16"	Advanced Low-E IG	PEL-N-237-00993-00001	3	3	Argon	0.29	0.23	43	56	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-237-00994-00001				0.29	0.20	37	56	N	NC	SC	S		
	with integral grilles	PEL-N-237-00995-00001				0.29	0.20	37	56	N	NC	SC	S		
13/16"	SunDefense™ Low-E IG	PEL-N-237-00945-00001	3	3	Argon	0.28	0.17	39	57	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-237-00946-00001				0.28	0.15	34	57	N	NC	SC	S		
	with integral grilles	PEL-N-237-00947-00001				0.29	0.15	34	57						
13/16"	AdvancedComfort Low-E IG	PEL-N-237-01089-00001	3	3	Argon	0.25	0.23	42	46	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-237-01090-00001				0.25	0.20	36	46	N	NC	SC	S		
	with integral grilles	PEL-N-237-01091-00001				0.26	0.20	36	46	N	NC	SC	S		
13/16"	NaturalSun Low-E IG	PEL-N-237-01137-00001	3	3	Argon	0.29	0.42	48	56						
	with grilles-between-the-glass	PEL-N-237-01138-00001				0.29	0.37	41	56	N	NC				
	with integral grilles	PEL-N-237-01139-00001				0.30	0.37	41	56	N	NC				
Dual-Pane Tinted Glazing															
13/16"	Bronze Advanced Low-E IG	PEL-N-237-01041-00001	5	3	Argon	0.28	0.21	27	57	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-237-01042-00001				0.28	0.18	24	57	N	NC	SC	S		
	with integral grilles	PEL-N-237-01043-00001				0.29	0.18	24	57	N	NC	SC	S		
13/16"	Gray Advanced Low-E IG	PEL-N-237-01057-00001	5	3	Argon	0.28	0.19	24	57	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-237-01058-00001				0.28	0.17	20	57	N	NC	SC	S		
	with integral grilles	PEL-N-237-01059-00001				0.29	0.17	20	57	N	NC	SC	S		
13/16"	Green Advanced Low-E IG	PEL-N-237-01073-00001	5	3	Argon	0.28	0.23	37	57	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-237-01074-00001				0.28	0.20	32	57	N	NC	SC	S		
	with integral grilles	PEL-N-237-01075-00001				0.29	0.20	32	57	N	NC	SC	S		
Dual-Pane High Altitude Glazing															
13/16"	Advanced Low-E IG	PEL-N-237-00989-00001	3	3	Air	0.31	0.23	43	54						
	with grilles-between-the-glass	PEL-N-237-00990-00001				0.31	0.20	37	54						
	with integral grilles	PEL-N-237-00991-00001				0.32	0.20	37	54						
13/16"	SunDefense Low-E IG	PEL-N-237-00941-00001	3	3	Air	0.31	0.17	39	54						
	with grilles-between-the-glass	PEL-N-237-00942-00001				0.31	0.15	34	54						
	with integral grilles	PEL-N-237-00943-00001				0.32	0.15	34	54						
13/16"	AdvancedComfort Low-E IG	PEL-N-237-01085-00001	3	3	Air	0.27	0.23	42	43	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-237-01086-00001				0.27	0.20	36	43	N	NC	SC	S		
	with integral grilles	PEL-N-237-01087-00001				0.28	0.20	36	43	N	NC	SC	S		
13/16"	NaturalSun Low-E IG	PEL-N-237-01133-00001	3	3	Air	0.32	0.42	48	53						
	with grilles-between-the-glass	PEL-N-237-01134-00001				0.32	0.37	41	53						
	with integral grilles	PEL-N-237-01135-00001				0.33	0.37	41	53						

R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2016 (Version 6) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.





Pella® Architect Series® Traditional Sliding Patio Door

Glazing Performance - Total Unit

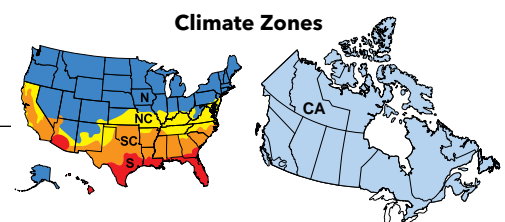
Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)			Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Middle	Int.		U-Factor	SHGC	VLT %	CR	U. S.				Canada ₂	
											Zone				ER	Zone
Triple-Pane French Aluminum-Clad Exterior (O, OX/XO, OXO and OXXO)											N	NC	SC	S		CA
1"	Advanced Low-E IG	PEL-N-237-01337-00001	4	4	4	Argon	0.25	0.21	37	62	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-237-01338-00001					0.26	0.18	32	62	N	NC	SC	S		
	with integral grilles	PEL-N-237-01339-00001					0.25	0.18	32	62	N	NC	SC	S		
1"	SunDefense™ Low-E IG	PEL-N-237-01325-00001	4	4	4	Argon	0.25	0.16	34	62	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-237-01326-00001					0.26	0.14	29	62	N	NC	SC	S		
	with integral grilles	PEL-N-237-01327-00001					0.25	0.14	29	62	N	NC	SC	S		
1"	NaturalSun Low-E IG	PEL-N-237-01349-00001	4	4	4	Argon	0.25	0.34	42	62	N	NC				
	with grilles-between-the-glass	PEL-N-237-01350-00001					0.26	0.29	36	62	N	NC				
	with integral grilles	PEL-N-237-01351-00001					0.26	0.29	36	62	N	NC				
Triple-Pane Tinted Glazing																
1"	Advanced Low-E IG	PEL-N-237-01333-00001	4	4	4	Air	0.28	0.21	37	59	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-237-01334-00001					0.29	0.18	32	59	N	NC	SC	S		
	with integral grilles	PEL-N-237-01335-00001					0.29	0.18	32	59	N	NC	SC	S		
1"	SunDefense Low-E IG	PEL-N-237-01321-00001	4	4	4	Air	0.28	0.16	34	59	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-237-01322-00001					0.29	0.14	29	59	N	NC	SC	S		
	with integral grilles	PEL-N-237-01323-00001					0.29	0.14	29	59	N	NC	SC	S		
1"	NaturalSun Low-E IG	PEL-N-237-01345-00001	4	4	4	Air	0.28	0.34	42	59	N	NC				
	with grilles-between-the-glass	PEL-N-237-01346-00001					0.29	0.29	36	59	N	NC				
	with integral grilles	PEL-N-237-01347-00001					0.29	0.29	36	59	N	NC				

R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2016 (Version 6) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.





Pella® Architect Series® Traditional Sliding Patio Door

Glazing performance - Total Unit Impact Resistant Glass

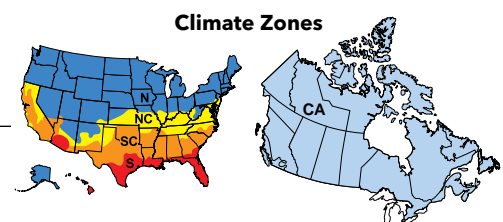
Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT %	CR	U. S.				Canada ₂	
										Zone				ER	Zone
Laminated Impact-Resistant Glazing (O and OX/XO)										N	NC	SC	S	CA	
13/16"	Clear IG PVB	PEL-N-237-01273-00001	8	3	Air	0.43	0.41	48	42						
	with grilles-between-the-glass	PEL-N-237-01274-00001	8	3		0.44	0.35	41	42						
	with integral grilles	PEL-N-237-01275-00001	8	3		0.44	0.35	41	42						
13/16"	Advanced Low-E IG PVB	PEL-N-237-01293-00001	8	5	Argon	0.30	0.23	41	54						
	with grilles-between-the-glass	PEL-N-237-01294-00001	8	5		0.32	0.20	36	54						
	with integral grilles	PEL-N-237-01295-00001	8	5		0.31	0.20	36	54						
13/16"	SunDefense™ Low-E IG PVB	PEL-N-237-01289-00001	8	5	Argon	0.30	0.18	38	54	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-237-01290-00001	8	5		0.32	0.16	33	54						
	with integral grilles	PEL-N-237-01291-00001	8	5		0.31	0.16	33	54						
Tinted Laminated Impact-Resistant Glazing															
13/16"	Bronze IG PVB	PEL-N-237-01277-00001	8	5	Air	0.43	0.34	36	42						
	with grilles-between-the-glass	PEL-N-237-01278-00001	8	5		0.44	0.30	30	42						
	with integral grilles	PEL-N-237-01279-00001	8	5		0.44	0.30	30	42						
13/16"	Gray IG PVB	PEL-N-237-01281-00001	8	5	Air	0.43	0.32	33	42						
	with grilles-between-the-glass	PEL-N-237-01282-00001	8	5		0.44	0.28	28	42						
	with integral grilles	PEL-N-237-01283-00001	8	5		0.44	0.28	28	42						
13/16"	Green IG PVB	PEL-N-237-01285-00001	8	5	Air	0.43	0.34	44	42						
	with grilles-between-the-glass	PEL-N-237-01286-00001	8	5		0.44	0.29	38	42						
	with integral grilles	PEL-N-237-01287-00001	8	5		0.44	0.29	38	42						

R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2016 (Version 6) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.



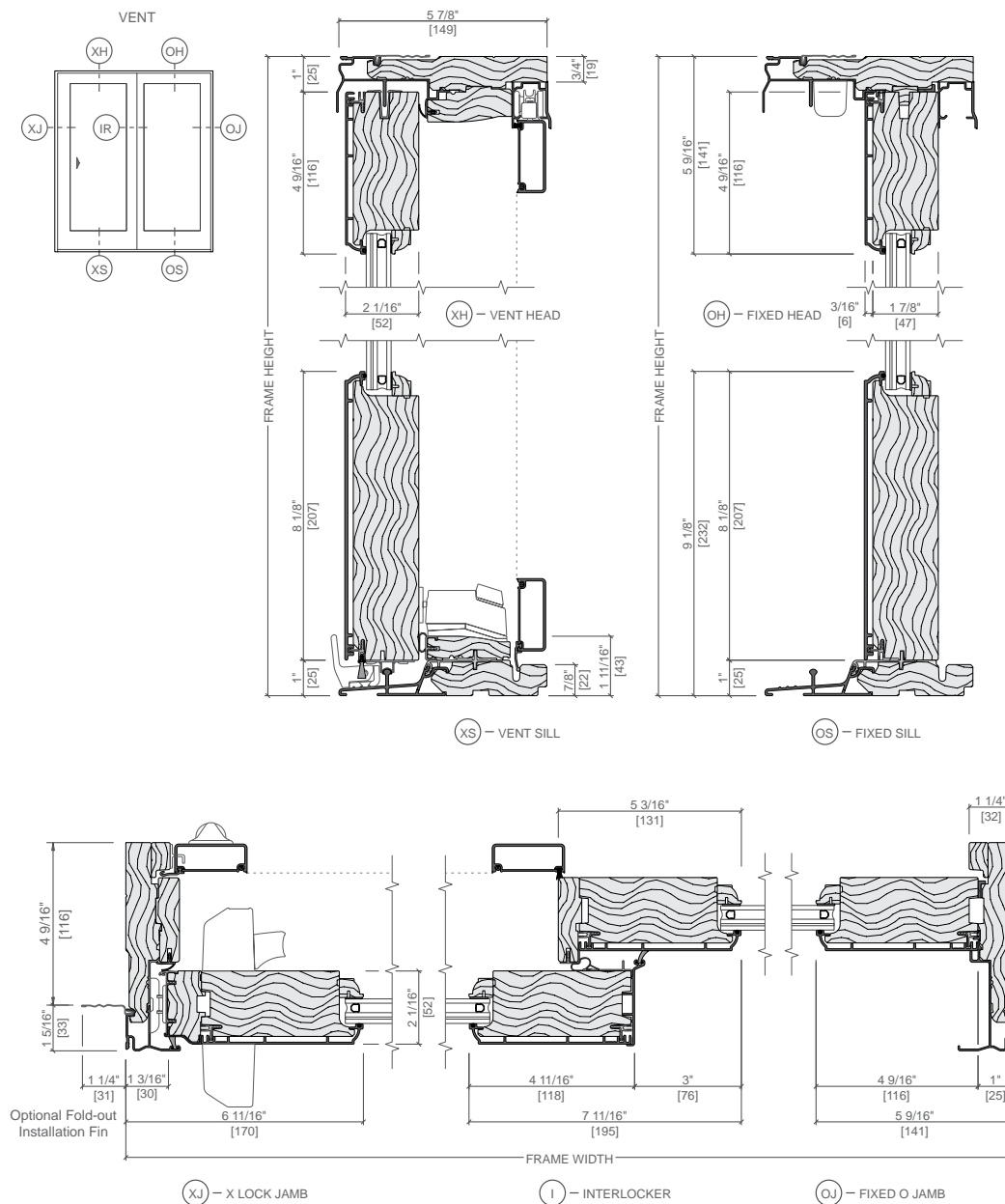


Pella® Architect Series® Traditional Sliding Patio Door

Impact-Resistant Glass

For a complete list of ratings, refer to the Impact-Resistant product section.

Product	Florida Product Approval System		Hallmark Certified
	Design Pressure	FPAS	
Vent Units			
7/8" Insulated Glass PVB	+70 / -70	FL12459	411-H-1490
Fixed Units			
7/8" Insulated Glass PVB	+70 / -70	FL12459	411-H-1490



(-) = Not Applicable

(1) Units are tested for air/water/structural and impact-resistance, and certified for wind zone 4, large missile rating D.

For clear opening, vent area, visible glass, and frame area, clad Design Data pages.

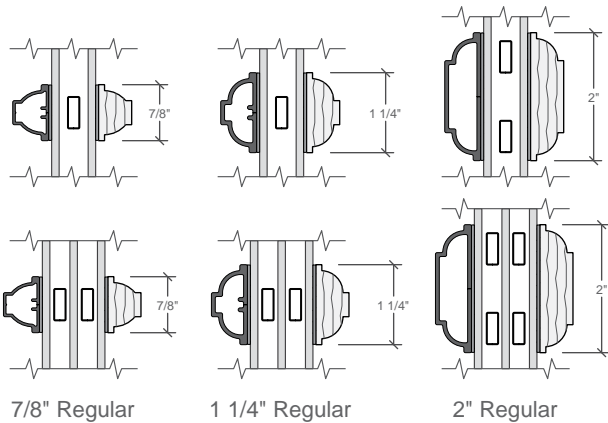
Transoms, Fixed-Vent-Fixed (OXO) and Fixed-Vent-Vent-Fixed (OXXO) doors are not available with impact-resistant glazing.



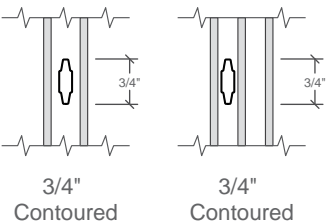
Grille Profiles

Traditional Style Collection - Integral Light Technology®

Ogee Grilles
Clad Exterior - Wood Interior



Grilles-Between-the-Glass



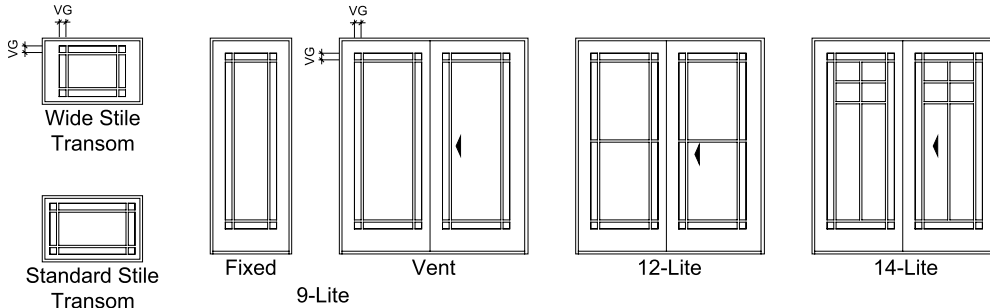
Interior wood ILT grilles available in Pine, Mahogany or Douglas Fir to match complete unit.



Grille Patterns

Integral Light Technology® Grilles

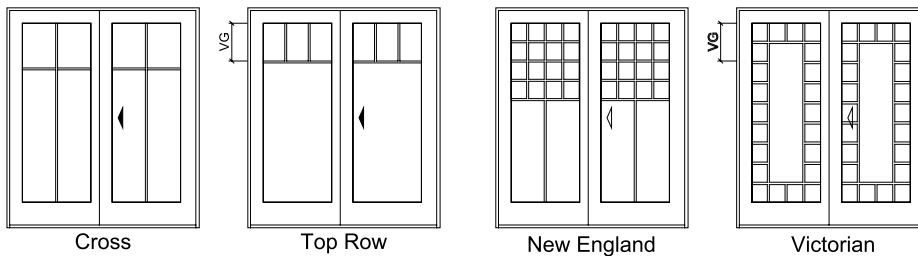
Prairie Lite Patterns



All fixed doors and transoms with removable grilles will have 9 lites.
8' doors will have 12 lites.

Standard corner light dimension for Prairie patterns = 3-1/2" VG.

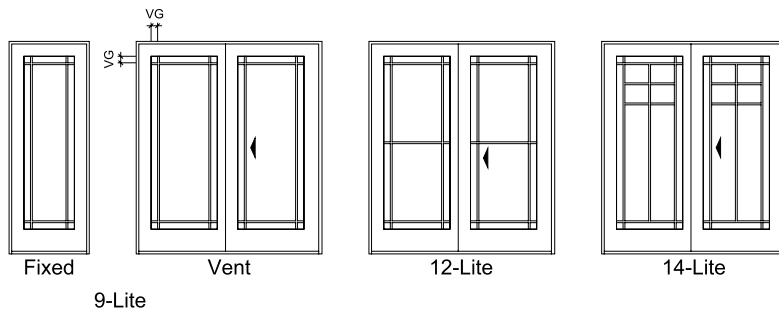
Other Available Patterns



Standard visible glass to separator bar = 14" or half of total visible glass height, whichever is smaller.

Grilles-Between-the-Glass

Prairie Lite Patterns



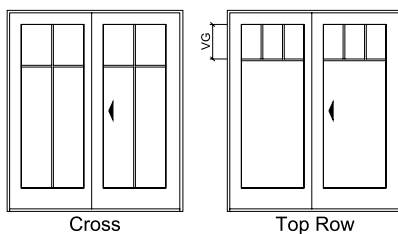
Prairie

- Standard corner lite dimension = 3-1/2" VG.

12-Lite

- Pattern available in 8' doors only

Other Available Patterns



Cross

- Horizontal bar is 1/4 of visible glass from the top in door panels.
- Not available in transoms.

Top Row

- Horizontal bar may be ordered 12", 14" or 16" from the top VG.
- Transoms with frame heights $\geq 21"$, the horizontal bar will be positioned at 1/2 the visible glass height.
- Top Row not available in transoms with frame height $< 21"$.

For traditional patterns, see size tables.

VG = Visible Glass

Lite dimensions noted can vary.

Custom configurations are available; for details contact your local Pella sales representative.



Pella® Architect Series® Traditional Sliding Patio Door

Size Tables

Door sizes are available in Impact-Resistant Glazing.

6' 8" One-Panel Fixed and Sidelight					
Opening	2' 7 1/2" (800)	3' 1 1/2" (953)	3' 7 1/2" (1 105)	4' 1 1/2" (1 257)	5' 1 1/2" (1 562)
Frame	2' 6 3/4" (781)	3' 0 3/4" (933)	3' 6 3/4" (1 086)	4' 0 3/4" (1 238)	5' 0 3/4" (1 543)
6' 8" (2 032)					
FIXED (O) 3180	FIXED (O) 3780	FIXED (O) 4380	FIXED (O) 4980	FIXED (O) 6180	

6' 8" Two-Panel Fixed-Active					
Opening	5' 0" (1 524)	6' 0" (1 829)	7' 0" (2 134)	8' 0" (2 438)	10' 0" (3 048)
Frame	4' 11 1/4" (1 505)	5' 11 1/4" (1 810)	6' 11 1/4" (2 115)	7' 11 1/4" (2 419)	9' 11 1/4" (3 029)
6' 8" (2 032)					
FIXED-VENT (OX) 6080	FIXED-VENT (OX) 7280	FIXED-VENT (OX) 8480	FIXED-VENT (OX) 9680	FIXED-VENT (OX) 12080	

6' 8" Three-Panel Fixed-Active-Fixed					
Opening	7' 6 3/4" (2 305)	9' 0 3/4" (2 762)	10' 6 3/4" (3 219)	12' 0 3/4" (3 677)	15' 0 3/4" (4 591)
Frame	7' 6" (2 286)	9' 0" (2 743)	10' 6" (3 200)	12' 0" (3 658)	15' 0" (4 572)
6' 8" (2 032)					
3 PANEL (OXO) 9080	3 PANEL (OXO) 10880	3 PANEL (OXO) 12680	3 PANEL (OXO) 14480	3 PANEL (OXO) 18080	

6' 8" Four-Panel Fixed-Vent-Vent Fixed					
Opening	9' 8 7/8" (2 969)	11' 8 7/8" (3 578)	15' 8 7/8" (4 797)	19' 8 7/8" (6 017)	
Frame	9' 8 1/8" (2 950)	11' 8 1/8" (3 559)	15' 8 1/8" (4 778)	19' 8 1/8" (5 998)	
6' 8" (2 032)					
4 PANEL (OXXO) 11780	4 PANEL (OXXO) 14180	4 PANEL (OXXO) 18980	4 PANEL (OXXO) 23780		

Not to scale.

Traditional grille patterns shown. Refer to Clad/Wood Overview section for additional patterns and profiles.

All doors are glazed with tempered glass.

Two panel doors—Fixed-Vent (OX), right panel opens, left panel is fixed. Units open in the direction of the arrow as viewed from the exterior.

Vent-Fixed (XO) doors are also available.

Fixed-Vent-Fixed (OXO) combination doors also available as OOX and XOO combinations.

For windows and patio doors with impact-resistant glass, see product instructions or refer to local building code requirements.



Pella® Architect Series® Traditional Sliding Patio Door

Size Tables

Door sizes are available in Impact-Resistant Glazing.

6' 10" One-Panel Fixed and Sidelight					
Opening	2' 7 1/2" (800)	3' 1 1/2" (953)	3' 7 1/2" (1 105)	4' 1 1/2" (1 257)	5' 1 1/2" (1 562)
Frame	2' 6 3/4" (781)	3' 0 3/4" (933)	3' 6 3/4" (1 086)	4' 0 3/4" (1 238)	5' 0 3/4" (1 543)
6' 10" (2 083)					
6' 9 1/2" (2 070)	FIXED (O) 3182	FIXED (O) 3782	FIXED (O) 4382	FIXED (O) 4982	FIXED (O) 6182

6' 10" Two-Panel Fixed-Active					
Opening	5' 0" (1 524)	6' 0" (1 829)	7' 0" (2 134)	8' 0" (2 438)	10' 0" (3 048)
Frame	4' 11 1/4" (1 505)	5' 11 1/4" (1 810)	6' 11 1/4" (2 115)	7' 11 1/4" (2 419)	9' 11 1/4" (3 029)
6' 10" (2 083)					
6' 9 1/2" (2 070)	FIXED-VENT (OX) 6082	FIXED-VENT (OX) 7282	FIXED-VENT (OX) 8482	FIXED-VENT (OX) 9682	FIXED-VENT (OX) 12082

6' 10" Three-Panel Fixed-Active-Fixed					
Opening	7' 6 3/4" (2 305)	9' 0 3/4" (2 762)	10' 6 3/4" (3 219)	12' 0 3/4" (3 677)	15' 0 3/4" (4 591)
Frame	7' 6" (2 286)	9' 0" (2 743)	10' 6" (3 200)	12' 0" (3 658)	15' 0" (4 572)
6' 10" (2 083)					
6' 9 1/2" (2 070)	3 PANEL (OXO) 9082	3 PANEL (OXO) 10882	3 PANEL (OXO) 12682	3 PANEL (OXO) 14482	3 PANEL (OXO) 18082

6' 10" Four-Panel Fixed-Vent-Vent Fixed					
Opening	9' 8 7/8" (2 969)	11' 8 7/8" (3 578)	15' 8 7/8" (4 797)	19' 8 7/8" (6 017)	
Frame	9' 8 1/8" (2 950)	11' 8 1/8" (3 559)	15' 8 1/8" (4 778)	19' 8 1/8" (5 998)	
6' 10" (2 083)					
6' 9 1/2" (2 070)	4 PANEL (OXXO) 11782	4 PANEL (OXXO) 14182	4 PANEL (OXXO) 18982	4 PANEL (OXXO) 23782	

Not to scale.

Traditional grille patterns shown. Refer to Clad/Wood Overview section for additional patterns and profiles.

All doors are glazed with tempered glass.

Two panel doors—Fixed-Vent (OX), right panel opens, left panel is fixed. Units open in the direction of the arrow as viewed from the exterior.

Vent-Fixed (XO) doors are also available.

Fixed-Vent-Fixed (OXO) combination doors also available as OOX and XOO combinations.

For windows and patio doors with impact-resistant glass, see product instructions or refer to local building code requirements.



Pella® Architect Series® Traditional Sliding Patio Door

Size Tables

Door sizes are available in Impact-Resistant Glazing.

8' 0" One-Panel Fixed and Sidelight					
Opening	2' 7 1/2" (800)	3' 1 1/2" (953)	3' 7 1/2" (1 105)	4' 1 1/2" (1 257)	5' 1 1/2" (1 562)
Frame	2' 6 3/4" (781)	3' 0 3/4" (933)	3' 6 3/4" (1 086)	4' 0 3/4" (1 238)	5' 0 3/4" (1 543)
8' 0" (2 438)					
	FIXED (O) 3196	FIXED (O) 3796	FIXED (O) 4396	FIXED (O) 4996	FIXED (O) 6196

8' 0" Two-Panel Fixed-Active					
Opening	5' 0" (1 524)	6' 0" (1 829)	7' 0" (2 134)	8' 0" (2 438)	10' 0" (3 048)
Frame	4' 11 1/4" (1 505)	5' 11 1/4" (1 810)	6' 11 1/4" (2 115)	7' 11 1/4" (2 419)	9' 11 1/4" (3 029)
8' 0" (2 438)					
	FIXED-VENT (OX) 6096	FIXED-VENT (OX) 7296	FIXED-VENT (OX) 8496	FIXED-VENT (OX) 9696	FIXED-VENT (OX) 12096

8' 0" Three-Panel Fixed-Active-Fixed					
Opening	7' 6 3/4" (2 305)	9' 0 3/4" (2 762)	10' 6 3/4" (3 219)	12' 0 3/4" (3 677)	15' 0 3/4" (4 591)
Frame	7' 6" (2 286)	9' 0" (2 743)	10' 6" (3 200)	12' 0" (3 658)	15' 0" (4 572)
8' 0" (2 438)					
	3 PANEL (OXO) 9096	3 PANEL (OXO) 10896	3 PANEL (OXO) 12696	3 PANEL (OXO) 14496	3 PANEL (OXO) 18096

8' 0" Four-Panel Fixed-Vent-Vent Fixed					
Opening	9' 8 7/8" (2 969)	11' 8 7/8" (3 578)	15' 8 7/8" (4 797)	19' 8 7/8" (6 017)	
Frame	9' 8 1/8" (2 950)	11' 8 1/8" (3 559)	15' 8 1/8" (4 778)	19' 8 1/8" (5 998)	
8' 0" (2 438)					
	4 PANEL (OXXO) 11796	4 PANEL (OXXO) 14196	4 PANEL (OXXO) 18996	4 PANEL (OXXO) 23796	

Not to scale.

All doors are glazed with tempered glass.

Two panel doors—Fixed-Vent (OX), right panel opens, left panel is fixed. Units open in the direction of the arrow as viewed from the exterior.

Vent-Fixed (XO) doors are also available.

Fixed-Vent-Fixed (OXO) combination doors also available as OOX and XO combinations.

For windows and patio doors with impact-resistant glass, see product instructions or refer to local building code requirements.



Pella® Architect Series® Traditional Sliding Patio Door

Size Tables

Door sizes are available in Impact-Resistant Glazing.

9' 0" (2 743)

8' 11 1/2" (2 731)

9' 0"

8' 11 1/2"

Opening

2' 7 1/2" (800)

3' 1 1/2" (953)

3' 7 1/2" (1 105)

4' 1 1/2" (1 257)

5' 1 1/2" (1 562)

Frame

2' 6 3/4" (781)

3' 0 3/4" (933)

3' 6 3/4" (1 086)

4' 0 3/4" (1 238)

5' 0 3/4" (1 543)

FIXED (O)

31108

37108

43108

49108

61108

9' 0" Two-Panel Fixed-Active

Opening

5' 0" (1 524)

6' 0" (1 829)

7' 0" (2 134)

8' 0" (2 438)

10' 0" (3 048)

Frame

4' 11 1/4" (1 505)

5' 11 1/4" (1 810)

6' 11 1/4" (2 115)

7' 11 1/4" (2 419)

9' 11 1/4" (3 029)

FIXED-VENT (OX)

60108

72108

84108

96108

120108

9' 0" Three-Panel Fixed-Active-Fixed

Opening

7' 6 3/4" (2 305)

9' 0 3/4" (2 762)

10' 6 3/4" (3 219)

12' 0 3/4" (3 677)

15' 0 3/4" (4 591)

Frame

7' 6" (2 286)

9' 0" (2 743)

10' 6" (3 200)

12' 0" (3 658)

15' 0" (4 572)

3 PANEL (OXO)

90108

108108

126108

144108

180108

9' 0" Four-Panel Fixed-Vent-Vent Fixed

Opening

9' 8 7/8" (2 969)

11' 8 7/8" (3 578)

15' 8 7/8" (4 797)

19' 8 7/8" (6 017)

Frame

9' 8 1/8" (2 950)

11' 8 1/8" (3 559)

15' 8 1/8" (4 778)

19' 8 1/8" (5 998)

4 PANEL (OXXO)

117108

141108

189108

237108

Not to scale.

All doors are glazed with tempered glass.

Two panel doors—Fixed-Vent (OX), right panel opens, left panel is fixed. Units open in the direction of the arrow as viewed from the exterior.

Vent-Fixed (XO) doors are also available.

Fixed-Vent-Fixed (OXO) combination doors also available as OOX and XO combinations.

For windows and patio doors with impact-resistant glass, see product instructions or refer to local building code requirements.



Pella® Architect Series® Traditional Sliding Patio Door

Size Tables

Door sizes are available in Impact-Resistant Glazing.

10' 0" (3 048)

9' 11 1/2" (3 035)

10' 0"

9' 11 1/2"

10' 0" One-Panel Fixed and Sidelight

Opening	2' 7 1/2" (800)	3' 1 1/2" (953)	3' 7 1/2" (1 105)	4' 1 1/2" (1 257)	5' 1 1/2" (1 562)
Frame	2' 6 3/4" (781)	3' 0 3/4" (933)	3' 6 3/4" (1 086)	4' 0 3/4" (1 238)	5' 0 3/4" (1 543)
	FIXED (O) 31120	FIXED (O) 37120	FIXED (O) 43120	FIXED (O) 49120	FIXED (O) 61120

10' 0" (3 048)

9' 11 1/2" (3 035)

10' 0"

9' 11 1/2"

10' 0" Two-Panel Fixed-Active

Opening	5' 0" (1 524)	6' 0" (1 829)	7' 0" (2 134)	8' 0" (2 438)	10' 0" (3 048)
Frame	4' 11 1/4" (1 505)	5' 11 1/4" (1 810)	6' 11 1/4" (2 115)	7' 11 1/4" (2 419)	9' 11 1/4" (3 029)
	FIXED-VENT (OX) 60120	FIXED-VENT (OX) 72120	FIXED-VENT (OX) 84120	FIXED-VENT (OX) 96120	FIXED-VENT (OX) 120120

10' 0" (3 048)

9' 11 1/2" (3 035)

10' 0"

9' 11 1/2"

10' 0" Three-Panel Fixed-Active-Fixed

Opening	7' 6 3/4" (2 305)	9' 0 3/4" (2 762)	10' 6 3/4" (3 219)	12' 0 3/4" (3 677)	15' 0 3/4" (4 591)
Frame	7' 6" (2 286)	9' 0" (2 743)	10' 6" (3 200)	12' 0" (3 658)	15' 0" (4 572)
	3 PANEL (OXO) 90120	3 PANEL (OXO) 108120	3 PANEL (OXO) 126120	3 PANEL (OXO) 144120	3 PANEL (OXO) 180120

10' 0" (3 048)

9' 11 1/2" (3 035)

10' 0"

9' 11 1/2"

10' 0" Four-Panel Fixed-Vent-Vent Fixed

Opening	9' 8 7/8" (2 969)	11' 8 7/8" (3 578)	15' 8 7/8" (4 797)	19' 8 7/8" (6 017)
Frame	9' 8 1/8" (2 950)	11' 8 1/8" (3 559)	15' 8 1/8" (4 778)	19' 8 1/8" (5 998)
	4 PANEL (OXXO) 117120	4 PANEL (OXXO) 141120	4 PANEL (OXXO) 189120	4 PANEL (OXXO) 237120

Not to scale.

All doors are glazed with tempered glass.

Two panel doors—Fixed-Vent (OX), right panel opens, left panel is fixed. Units open in the direction of the arrow as viewed from the exterior.

Vent-Fixed (XO) doors are also available.

Fixed-Vent-Fixed (OXO) combination doors also available as OOX and XO combinations.

For windows and patio doors with impact-resistant glass, see product instructions or refer to local building code requirements.



Pella® Architect Series® Traditional Sliding Patio Door

Size Tables

Transoms		(800) (781)	(953) (933)	(1 257) (1 238)	(1 524) (1 505)	(1 829) (1 810)	(2 438) (2 419)
Opening		2' 7 1/2"	3' 1 1/2"	4' 1 1/2"	5' 0"	6' 0"	8' 0"
Frame		2' 6 3/4"	3' 0 3/4"	4' 0 3/4"	4' 11 1/4"	5' 11 1/4"	7' 11 1/4"
(654) (635)	2' 1 3/4"						
	1' 5 3/4"						
	1' 2 3/4"						
Wide Stile		(800) (781)	(953) (933)	(1 257) (1 238)	(1 524) (1 505)	(1 829) (1 810)	(2 438) (2 419)
Opening		2' 7 1/2"	3' 1 1/2"	4' 1 1/2"	5' 0"	6' 0"	8' 0"
Frame		2' 6 3/4"	3' 0 3/4"	4' 0 3/4"	4' 11 1/4"	5' 11 1/4"	7' 11 1/4"
(654) (635)	2' 1 3/4"						
	1' 5 3/4"						
	1' 2 3/4"						

Not to scale.



Special Size Frame Dimensions

Door Type	Frame Width		Frame Height	
	Minimum	Maximum	Minimum	Maximum
O	30-3/4" (781)	60-3/4" (1 543)	74" (1 880)	119-1/2" (3 035)
OX, XO	59-1/4" (1 505)	119-1/2" (3 035)	74" (1 880)	119-1/2" (3 035)
OXO	90" (2 286)	180" (4 572)	74" (1 880)	119-1/2" (3 035)
OXXO	116-1/8" (2 950)	236-1/8" (5 998)	74" (1 880)	119-1/2" (3 035)

Knock-down Frames

When the below conditions are met, units will be shipped as knock-down frames.

Certain ILT grille configurations will also require knock-down frames, contact your local sales representative for details.

Door Type	
O	FW > 48-3/4" or FH > 95-1/2"
OX, XO	FW > 95-1/4" or FH > 95-1/2"
OXO	FW > 144" or FH > 95-1/2"
OXXO	FW > 188-1/8" or FH > 95-1/2"

Miscellaneous Formulas

	Doors	
	Width	Height
Visible Glass	Width of O = Frame - 11-7/16" Width of OX, XO = (Frame - 16-15/16") ÷ 2 Width of OXO = (Frame - 27-1/16") ÷ 3 Width of OXXO = (Frame - 32-1/2") ÷ 4	Height = Frame - 12-5/8"
Actual Glass	Width of O = Frame - 10-1/8" Width of OX, XO = (Frame - 17-15/16") ÷ 2 Width of OXO = (Frame - 28-1/16") ÷ 3 Width of OXXO = (Frame - 33-1/2") ÷ 4	Height = Frame - 13-5/8"
Clear Opening ₂	Width of OX, XO = (Frame - 13-5/8") ÷ 2 Width of OXO = (Frame - 21-1/2") ÷ 3 Width of OXXO = (Frame - 30-3/8") ÷ 2	Height = Frame - 3-3/4"

	Transoms	
	Visible Glass	Actual Glass
Fixed Frame Direct Set	Width = Frame - 3-1/4" Height = Frame - 3-1/4"	Width = Frame - 2" Height = Frame - 2"
Fixed Casement	Width = Frame - 5-3/4" Height = Frame - 5-3/4"	Width = Frame - 4-3/8" Height = Frame - 4-3/8"
Wide Stile Casement	Width = Frame - 11-5/8" Height = Frame - 5-3/4"	Width = Frame - 10-1/4" Height = Frame - 4-3/8"

(1) Available within size range shown.

(2) Clear opening width shown is with standard hardware, premium hardware reduces opening width by 1.612" for OX, XO, OXO doors, and 2.144" for OXXO doors. Doors with anodized finishes will have a reduced opening width by .48" for OX, XO and OXO and .96" for OXXO doors.

Keep frame dimensions to the nearest 1/8" increment. To convert areas to square meters (m²), multiply square feet by 0.0929.

Fixed-Vent-Fixed (OXO) combination doors also available as OOX and XOO combinations.



Pella® Architect Series® Traditional Sliding Patio Door

Design Data

Sliding French Design Data								
	Unit	Venting	Clear Opening		Vent Area Ft ²	Visible Glass Ft ²	Standard Glass Thickness (mm) Tempered	Performance Class & Grade ₁
			Width (Inches)	Height (Inches)				
6' 7-1/2" Doors	3180	O	–	–	–	8.8	3	LC70
	3780	O	–	–	–	11.5	3	LC70
	4380	O	–	–	–	14.2	3	LC70
	4980	O	–	–	–	16.9	3	LC70
	6180	O	–	–	–	22.3	4	LC40
	6080	OX, XO	22-13/16	75-3/4	12.0	17.7	3	LC65
	7280	OX, XO	28-13/16	75-3/4	15.2	23.1	3	LC65
	8480	OX, XO	34-13/16	75-3/4	18.3	28.5	3	LC60
	9680	OX, XO	40-13/16	75-3/4	21.5	33.9	3	LC60
	12080	OX, XO	52-15/16	75-3/4	27.7	44.7	4	LC35
	9080	OX O*	22-13/16	75-3/4	12.0	26.5	3	LC45
	10880	OX O*	28-13/16	75-3/4	15.2	34.6	3	LC45
	12680	OX O*	34-13/16	75-3/4	18.3	42.7	3	LC45
	14480	OX O*	40-13/16	75-3/4	21.5	50.8	3	LC45
	18080	OX O*	52-13/16	75-3/4	27.8	67.0	4	LC30
	11780	OXXO	42-7/8	75-3/4	22.6	35.4	3	LC40
	14180	OXXO	54-7/8	75-3/4	28.9	46.2	3	LC40
	18980	OXXO	78-7/8	75-3/4	41.5	67.8	3	LC30
	23780	OXXO	102-7/8	75-3/4	54.0	89.4	4	LC25
6' 10" Doors	3182	O	–	–	–	9.1	3	LC70
	3782	O	–	–	–	11.9	3	LC70
	4382	O	–	–	–	14.7	3	LC70
	4982	O	–	–	–	17.5	3	LC70
	6182	O	–	–	–	23.0	4	LC40
	6082	OX, XO	22-13/16	77-3/4	12.3	18.2	3	LC65
	7282	OX, XO	28-13/16	77-3/4	15.6	23.8	3	LC65
	8482	OX, XO	34-13/16	77-3/4	18.8	29.4	3	LC60
	9682	OX, XO	40-13/16	77-3/4	22.0	34.9	3	LC60
	12082	OX, XO	52-15/16	77-3/4	28.5	46.1	4	LC35
	9082	OX O*	22-13/16	77-3/4	12.3	27.4	3	LC45
	10882	OX O*	28-13/16	77-3/4	15.6	35.7	3	LC45
	12682	OX O*	34-13/16	77-3/4	18.8	44.1	3	LC45
	14482	OX O*	40-13/16	77-3/4	22.1	52.4	3	LC45
	18082	OX O*	52-13/16	77-3/4	28.5	69.1	4	LC30
	11782	OXXO	42-7/8	77-3/4	23.1	36.5	3	LC40
	14182	OXXO	54-7/8	77-3/4	29.6	47.6	3	LC40
	18982	OXXO	78-7/8	77-3/4	42.6	69.9	3	LC30
	23782	OXXO	102-7/8	77-3/4	55.4	92.1	4	LC25
8' 0" Doors	3196	O	–	–	–	11.0	3	LC70
	3796	O	–	–	–	14.4	3	LC70
	4396	O	–	–	–	17.8	4	LC70
	4996	O	–	–	–	21.1	4	LC70
	6196	O	–	–	–	27.9	5	LC40
	6096	OX, XO	22-13/16	91-3/4	14.5	22.1	3	LC65
	7296	OX, XO	28-13/16	91-3/4	18.4	28.8	3	LC65
	8496	OX, XO	34-13/16	91-3/4	22.2	35.5	4	LC60
	9696	OX, XO	40-13/16	91-3/4	26.0	42.3	4	LC60
	12096	OX, XO	52-15/16	91-3/4	33.6	55.7	5	LC35
	9096	OX O*	22-13/16	91-3/4	14.6	33.1	3	LC45
	10896	OX O*	28-13/16	91-3/4	18.4	43.2	3	LC45
	12696	OX O*	34-13/16	91-3/4	22.2	53.3	4	LC45
	14496	OX O*	40-13/16	91-3/4	26.0	63.4	4	LC45
	18096	OX O*	52-13/16	91-3/4	33.6	83.6	5	LC30
	11796	OXXO	42-7/8	91-3/4	27.3	44.1	3	LC40
	14196	OXXO	54-7/8	91-3/4	35.0	57.6	3	LC40
	18996	OXXO	78-7/8	91-3/4	50.3	84.5	4	LC30
	23796	OXXO	102-7/8	91-3/4	65.4	111.4	5	LC25

(–) = Not Applicable

(1) Maximum performance when glazed with the appropriate glass thickness.

All doors are glazed with tempered glass.

* Fixed-Vent-Fixed (OXO) combination doors also available as OOX and XO combinations.

Clear opening width shown is with standard hardware, premium hardware reduces opening width by 1.612" for OX, XO, OXO doors, and 2.144" for OXXO doors.

To convert areas to square meters (m²), multiply square feet by 0.0929.



Pella® Architect Series® Traditional Sliding Patio Door

Design Data

Sliding French Design Data								
	Unit	Venting	Clear Opening		Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm) Tempered	Performance Class & Grade ₁
			Width (Inches)	Height (Inches)				
9' 0" Doors	31108	O	—	—	—	12.7	3	LC40
	37108	O	—	—	—	16.5	3	LC40
	43108	O	—	—	—	20.4	4	LC40
	49108	O	—	—	—	24.3	4	LC40
	61108	O	—	—	—	32.0	5	LC40
	60108	OX, XO	22-13/16	103-3/4	16.4	25.3	3	LC35
	72108	OX, XO	28-13/16	103-3/4	20.8	33.1	3	LC35
	84108	OX, XO	34-13/16	103-3/4	25.1	40.8	4	LC35
	96108	OX, XO	40-13/16	103-3/4	29.4	48.5	4	LC35
	120108	OX, XO	52-15/16	103-3/4	38.0	64.0	5	LC35
	909108	OX O*	22-13/16	103-3/4	16.5	38.0	3	LC30
	108108	OX O*	28-13/16	103-3/4	20.8	49.6	3	LC30
	126108	OX O*	34-13/16	103-3/4	25.1	61.2	4	LC30
	1449108	OX O*	40-13/16	103-3/4	29.4	72.8	4	LC30
	180108	OX O*	52-13/16	103-3/4	38.0	96.0	5	LC30
	117108	OXXO	42-7/8	103-3/4	30.9	50.7	3	LC25
	141108	OXXO	54-7/8	103-3/4	39.5	66.1	3	LC25
	189108	OXXO	78-7/8	103-3/4	56.8	97.1	4	LC25
	237108	OXXO	102-7/8	103-3/4	74.0	128.0	5	LC25
10' 0" Doors	31120	O	—	—	—	14.3	3	LC40
	37120	O	—	—	—	18.7	3	LC40
	43120	O	—	—	—	23.0	4	LC40
	49120	O	—	—	—	27.4	4	LC40
	61120	O	—	—	—	36.1	6	LC40
	60120	OX, XO	22-13/16	115-3/4	18.3	28.6	3	LC35
	72120	OX, XO	28-13/16	115-3/4	23.2	37.3	3	LC35
	84120	OX, XO	34-13/16	115-3/4	28.0	46.1	4	LC35
	96120	OX, XO	40-13/16	115-3/4	32.8	54.8	4	LC35
	120120	OX, XO	52-15/16	115-3/4	42.4	72.3	6	LC35
	90120	OX O*	22-13/16	115-3/4	18.4	42.9	3	LC30
	108120	OX O*	28-13/16	115-3/4	23.2	56.0	3	LC30
	126120	OX O*	34-13/16	115-3/4	28.0	69.1	4	LC30
	144120	OX O*	40-13/16	115-3/4	32.8	82.2	4	LC30
	180120	OX O*	52-13/16	115-3/4	42.4	108.4	6	LC30
	117120	OXXO	42-7/8	115-3/4	34.5	57.2	3	LC25
	141120	OXXO	54-7/8	115-3/4	44.1	74.7	3	LC25
	189120	OXXO	78-7/8	115-3/4	63.4	109.6	4	LC25
	237120	OXXO	102-7/8	115-3/4	82.5	144.6	5	LC25

Transoms					
	Unit	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade ₁
			Annealed	Tempered	
Fixed Frame Direct Set	3117	2.6	3	3	CW90
	3125	4.2	3	3	CW90
	3717	3.2	3	3	CW90
	3725	5.1	3	3	CW90
	4917	4.3	3	3	CW90
	4925	6.9	3	3	CW75
	6017	5.3	3	3	CW90
	6025	8.5	3	3	CW55
	7217	6.5	3	3	CW60
	7225	10.3	3	3	CW45
	9617	8.8	—	4	CW60
	9625	13.9	4	4	CW60
Fixed Casement	3117	2.0	3	3	CW50
	3125	3.3	3	3	CW50
	3717	2.4	3	3	CW50
	3725	4.1	3	3	CW50
	4917	3.4	3	3	CW50
	4925	5.7	3	3	CW50
	6017	4.2	3	3	CW50
	6025	7.2	3	3	CW45/CW50
	7217	5.1	—	3	R15 ₂
	7225	8.8	3	3	R15 ₂
	9617	7.0	—	4	R15 ₂
	9625	12.0	4	4	R15 ₂
Wide Stile Casement	3117	1.4	3	3	CW50
	3125	2.4	3	3	CW50
	3717	1.9	3	3	CW50
	3725	3.2	3	3	CW50
	4917	2.8	3	3	CW50
	4925	4.8	3	3	CW50
	6017	3.6	3	3	CW50
	6025	6.2	3	3	CW50
	7217	4.6	3	3	CW50
	7225	7.8	3	3	R15 ₂
	9617	6.4	—	4	R15 ₂
	9625	11.0	4	4	R15 ₂

(—) = Not Applicable

(1) Maximum performance when glazed with the appropriate glass thickness.

All doors are glazed with tempered glass.

* Fixed-Vent-Fixed (OXO) combination doors also available as OOX and XOO combinations.

(2) Units with a Performance Class and Grade of R15, are not AAMA/WDMA performance certified. Units are engineered to meet the performance class and grade shown.

Clear opening width shown is with standard hardware, premium hardware reduces opening width by 1.612" for OX, XO, OXO doors, and 2.144" for OXXO doors.

To convert areas to square meters (m²), multiply square feet by 0.0929.



Detailed Product Description - Aluminum-Clad Exterior

Frame

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are [pine] [mahogany] [douglas fir] edge banded and veneered.
- Exterior surfaces are clad with aluminum at the head and jambs.
- Components are assembled with screws, staples and concealed corner locks.
- Solid extruded aluminum sill with Black finish. [mahogany threshold for mahogany door] [oak] [composite black] threshold for [pine] [douglas fir] door.
- Optional factory-installed fold-out installation fins with flexible fin corners.
- Fin position will accommodate standard 4-9/16" (116mm) wall depths.
- Frame depth is 5-7/8" (149mm).
- Optional factory-applied jamb extensions available between 4-9/16" (116mm) and 7-3/16" (183mm) wall depths.
- Optional factory-applied EnduraClad® exterior trim.

Door panels

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are veneered with [pine] [mahogany] [douglas fir].
- Exterior surfaces are clad with aluminum.
- Panel stiles have LVL core with finger-jointed edge bands on both sides and veneered on both faces.
- Panel rails are three-ply construction, randomly finger-jointed blocks laminated with water-resistant glue and veneered on both sides.
- Corners are secured with metal fasteners and structural adhesive.
- Panel thickness is 2-1/16" (52mm).
- Panel exterior profile is ogee, interior profile is ogee.
- Vent panels have two adjustable ABEC 5 sealed electroplated steel ball-bearing rollers with organic coating, set on stainless steel track, standard.
- or -
- Two adjustable corrosion-resistant stainless steel ball-bearing rollers; out of-unit option.

Weatherstripping

- Dual-durometer extruded polymer with bulb at head, jamb and threshold. Corners are welded along perimeter of door panels.

Glazing System¹

- Quality fully-tempered float glass complying with ASTM C 1048.
- Custom and high altitude glazing available.
- Silicone-glazed, 13/16" double-pane, dual-seal, insulating glass
 - [Clear] [Obscure] [Reflective Bronze] with air.
 - [Obscure Low-E with [argon][air]] [Advanced Low-E] [AdvancedComfort Low-E] [SunDefense™ Low-E] [NaturalSun Low-E] with [argon] [air].
 - [Bronze] [Gray] [Green] Advanced Low-E with [argon] [air].
- or -
- Silicone-glazed, [13/16"] [7/8"] double-pane, dual-seal, laminated, insulating glass
 - Clear with air.
 - [Advanced Low-E] [SunDefense™ Low-E] with argon.
 - [Bronze] [Gray] [Green] Advanced Low-E with argon.
- or -
- Silicone-glazed, 1" triple-pane, dual-seal, insulating glass
 - [Obscure Low-E with [argon][air]] [Advanced Low-E] [SunDefense™ Low-E] [NaturalSun Low-E] with [argon] [air].
- or -
- Silicone-glazed, 7/8" double-pane, dual-seal, impact-resistant, laminated, insulating glass
 - Clear with air.
 - [Bronze] [Gray] [Green] with air.
 - [Advanced Low-E] [SunDefense™ Low-E] with argon.

Exterior

- Aluminum clad exteriors shall be finished with EnduraClad® protective finish, in a multi-step, baked-on finish.
 - Color is [Standard] [feature] [custom]₂.
- or -
- Aluminum clad exteriors shall be finished with EnduraClad Plus protective finish with 70% fluoropolymer resin in a multi-step, baked-on finish.
 - Color is [Standard] [feature] [custom]₂.

Interior

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [factory prefinished [paint] [stain]₂].

Hardware

- Interior handle and thumb lock finish is [Satin Brass] [Satin Nickel] [Oil-Rubbed Bronze] [Polished Nickel] [Polished Chrome] [Distressed Bronze] [Distressed Nickel] [baked enamel] [Champagne] [White] [Brown] [Matte Black].
- Exterior handle finish is baked enamel, color to match door cladding.
- Keylock with K-keyway cylinder.
- Multiple point lock hardware is electroplated steel with stainless steel strikes.
- The foot bolt has a Black finish.

Optional Products

Grilles

- Integral Light Technology®
 - Interior grilles are [7/8"] [1-1/4"] [2"] ogee profile that are solid [Pine] [mahogany] [douglas fir]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain]₂].
 - Exterior grilles are [7/8"] [1-1/4"] [2"] ogee profile that are extruded aluminum, finished to match door cladding.
 - Patterns are [Traditional] [Prairie] [Top Row] [Cross] [New England] [Victorian].
 - Insulating glass contains non-glare spacer between the panes of glass.
 - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with the non-glare spacer
- or -
- Grilles-Between-the-Glass₃
 - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass.
 - Patterns are [Traditional] [Prairie] [Cross] [Top Row]
 - Interior color is [White] [Tan₄] [Brown₄] [Putty₄] [Black] [Morning Sky Gray] [Ivory] [Sand Dune] [Harvest] [Cordovan] [Brickstone].
 - Exterior color₅ is [standard₂].

Screens

- InView™ screens
 - Vinyl-coated 18/18 mesh fiberglass screen cloth complying with the performance requirements of SMA 1201, set in aluminum frame, supplied complete with all necessary hardware.
 - Insect screen assembly is top-hung on two adjustable nylon rollers installed on room side of door panels.
 - Screen frame exterior is painted to match exterior color.
 - Screen frame interior is [pine] [mahogany] [douglas fir] veneer wrapped over extruded aluminum [Unfinished] [prefinished to match door₆].
- or -
- Rolscreen® Retractable Screen
 - Self-storing, rolling, black vinyl-coated 18/16 mesh fiberglass screen cloth complying with ASTM D 3656 and SMA 1201 mounted to fixed panel and covered by veneered aluminum.
 - Cover finish is [factory prefinished paint] [pine] [mahogany] veneer wrapped over extruded aluminum with factory prefinished stain₂.
 - Available on two- and three-panel sliding patio doors.

Sensors

- Optional factory installed integrated security sensors available in vent units.

(1) Insulating glass with argon is Low-E coated. All other insulating glass is air-filled.

(2) Contact your local Pella sales representative for current color options.

(3) Available in clear or Low-E insulating glass only.

(4) Tan, Brown and Putty Interior GBG colors are available in single-tone (Putty/Putty, Brown/Brown or Tan/Tan) (Putty mono). Other interior colors are also available with Tan or Brown exterior.

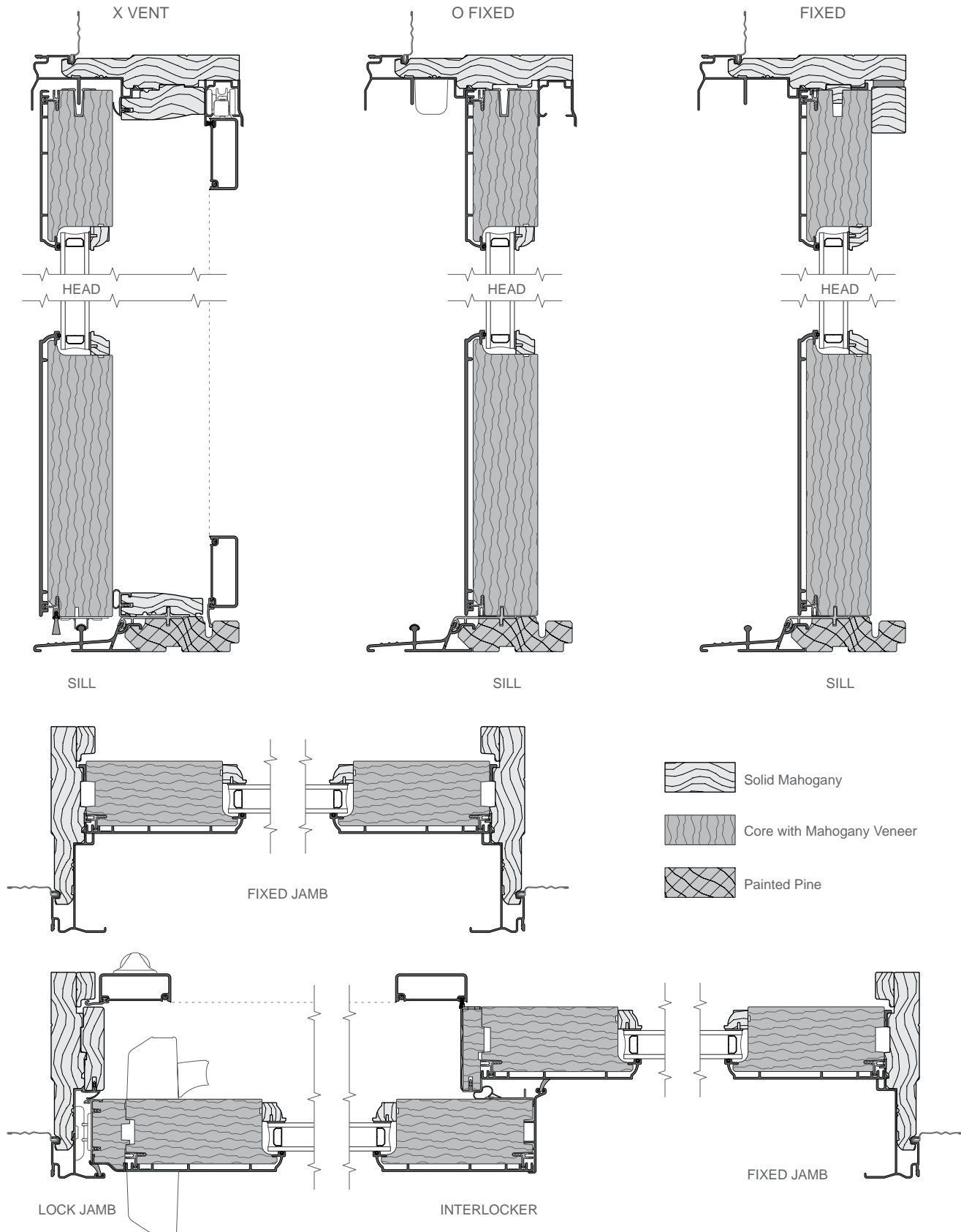
(5) Appearance of exterior grille color will vary depending on Low-E coating on glass.

(6) Prefinished White interior screen frame is only available with White exterior finish.



Pella® Architect Series® Traditional Sliding Patio Door

Unit Sections Aluminum-Clad Exterior - Wood Collection



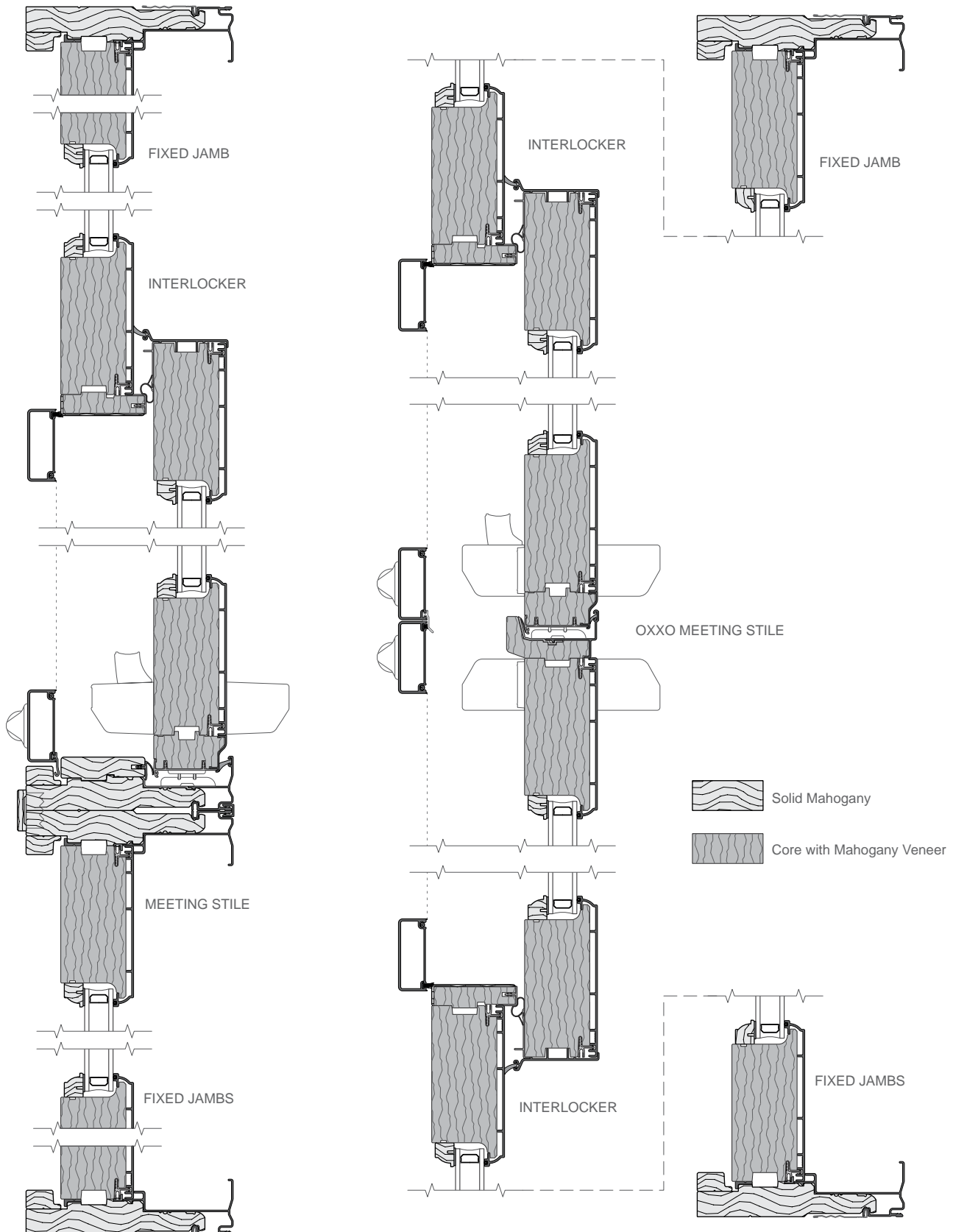
Scale 3" = 1' 0"

All dimensions are approximate.



Pella® Architect Series® Traditional Sliding Patio Door

Unit Sections Aluminum-Clad Exterior - Wood Collection



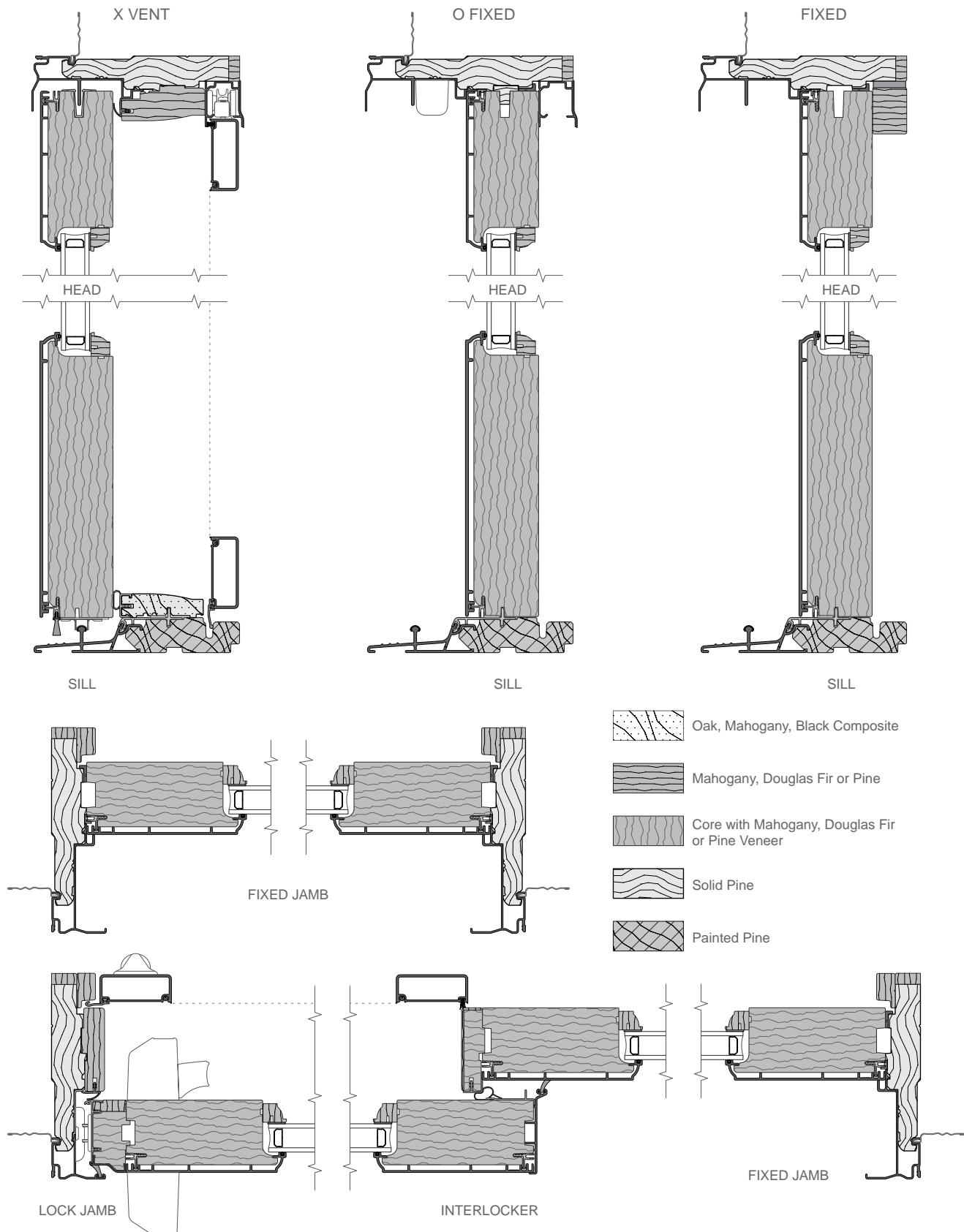
Scale 3" = 1' 0"

All dimensions are approximate.



Pella® Architect Series® Traditional Sliding Patio Door

Unit Sections Aluminum-Clad Exterior - Wood Collection



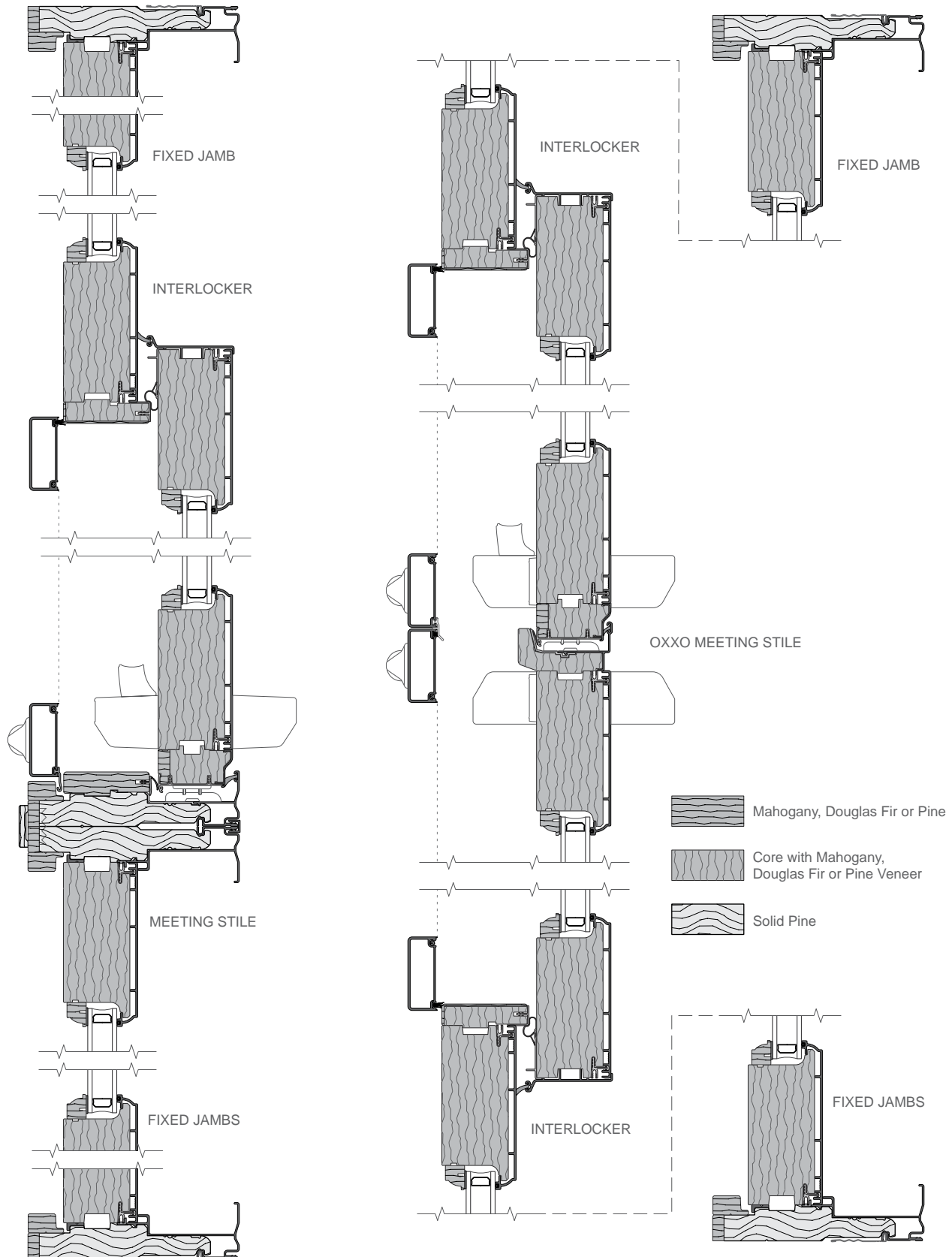
Scale 3" = 1' 0"

All dimensions are approximate.



Pella® Architect Series® Traditional Sliding Patio Door

Unit Sections Aluminum-Clad Exterior - Wood Collection



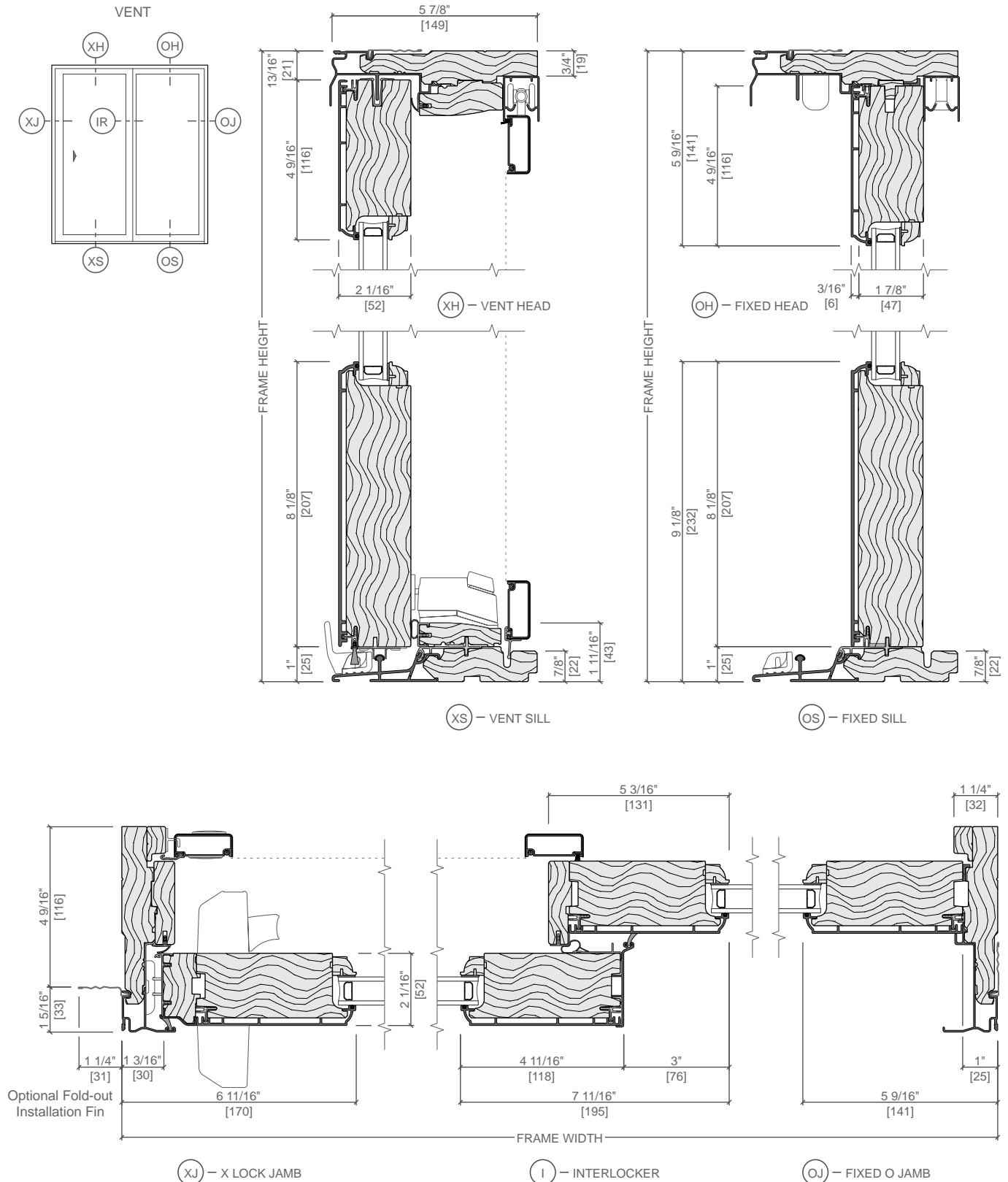
Scale 3" = 1' 0"

All dimensions are approximate.



Pella® Architect Series® Traditional Sliding Patio Door

Unit Sections Aluminum-Clad Exterior, Ogee Exterior Profile



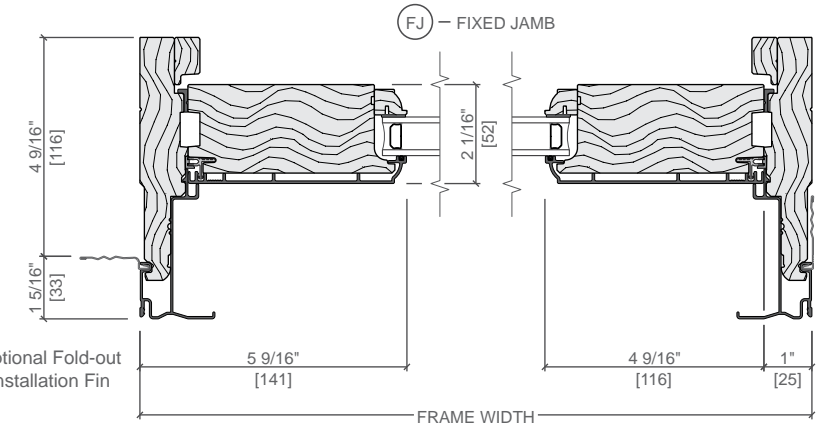
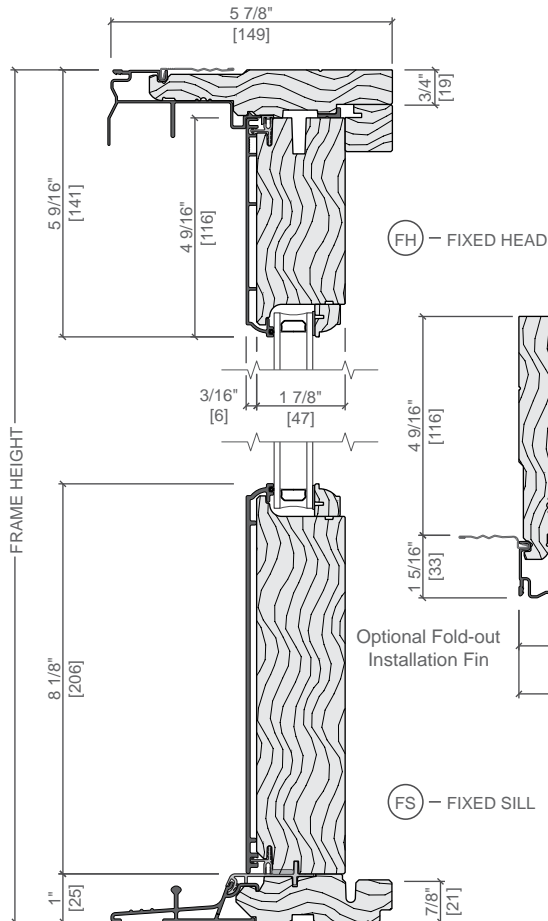
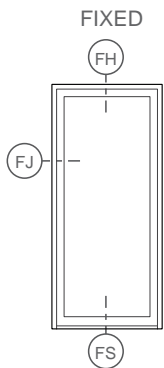
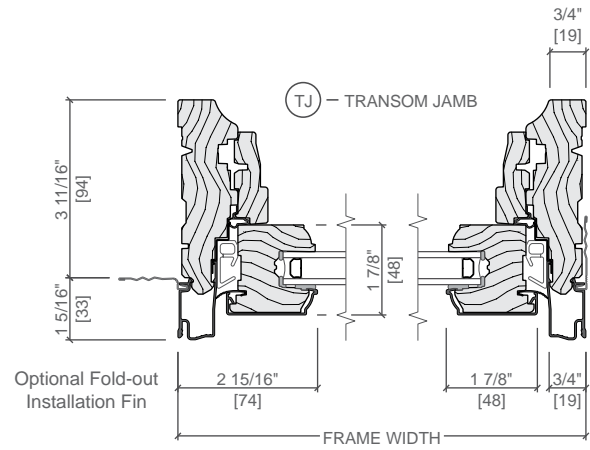
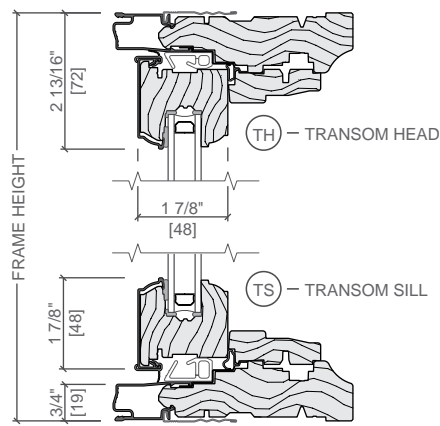
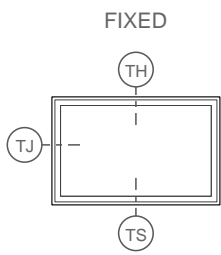
Scale 3" = 1' 0"

All dimensions are approximate.



Pella® Architect Series® Traditional Sliding Patio Door

Unit Sections Aluminum-Clad Exterior, Ogee Exterior Profile



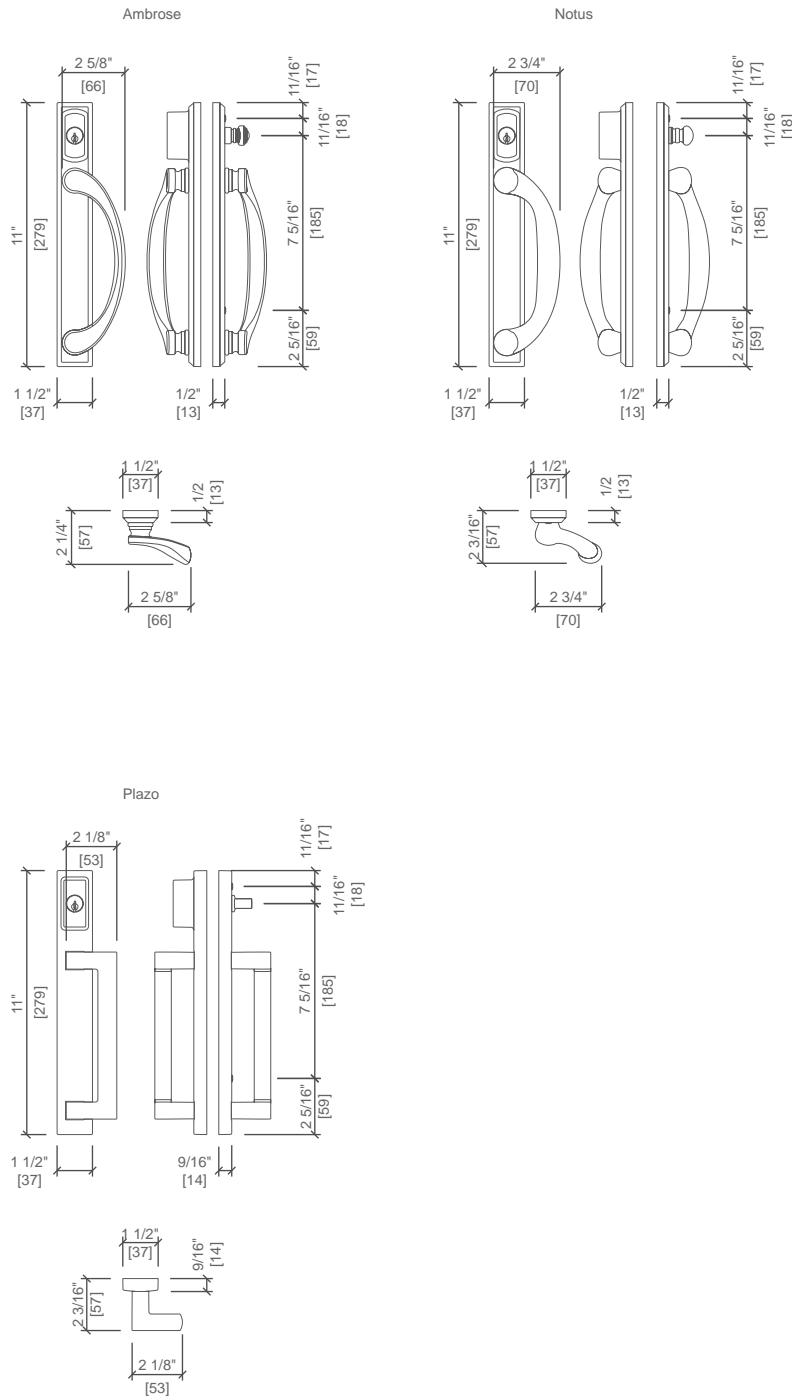
Scale 3" = 1' 0"

All dimensions are approximate.



Pella® Architect Series® Traditional Sliding Patio Door

Unit Sections - Handle Hardware Dimensions



All dimensions are approximate.















