MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION
STAFF REPORT

Address:	7819 Overhill Rd., Bethesda	**Meeting Date:**	11/16/2022
Resource:	Contributing Resource **Greenwich Forest Historic District**	**Report Date:**	11/9/2022
Applicant:	Paula Wolf & Joseph Mott (Joshua Mohr, Architect)	**Public Notice:**	11/2/2022
Review:	HAWP	**Tax Credit:**	n/a
Permit No.:	1011306	**Staff:**	Dan Bruechert
Proposal:	Partial Demolition, New Construction, Fenestration Alterations, Window Replacement, and Hardscaping		

STAFF RECOMMENDATION

Staff recommends the HPC **approve with one (1) condition** the HAWP:

1. The raw metallic finish of the proposed roof is incompatible with the house materials or the surrounding district. The three roofing materials identified (natural slate, architectural shingle, or copper) are appropriate and the applicant may select a material from that list or return with an amended HAWP. Final approval authority to ensure compliance with this condition is delegated to Staff.

ARCHITECTURAL DESCRIPTION

SIGNIFICANCE: Contributing Resource within the Greenwich Forest Historic District
STYLE: Tudor Revival
DATE: 1936



Figure 1: The subject property at 7819 Overhill Rd.

PROPOSAL

The applicant proposes to demolish the existing side porch and construct additions off the side of the house and to the rear. Associated new hardscaping and re-grading are proposed for the rear.

APPLICABLE GUIDELINES

When reviewing alterations and new construction within the Greenwich Forest Historic District several documents are to be utilized as guidelines to assist the Commission in developing their decision. These documents include the historic preservation review guidelines in the approved and adopted amendment for the *Greenwich Forest Historic District (Guidelines), Montgomery County Code Chapter 24A (Chapter 24A*), and *the Secretary of the Interior's Standards for Rehabilitation (Standards)*. The pertinent information in these documents is outlined below.

Greenwich Forest Historic District Guidelines

A. PRINCIPLES

The preservation of the following essential elements of Greenwich Forest is the highest priority in making decisions concerning applications for work permits. These Principles are not meant to stop or create unreasonable obstacles to normal maintenance, reasonable modifications, and the evolving needs of residents.

A1. Greenwich Forest was conceived of, built, and to a great degree preserved as a park-like canopied forest with gentle topographic contours, in which the presence of houses and hardscape are understated relative to the natural setting. The removal of mature trees and the significant alteration of topographic contours on private property, the Greenwich Forest Triangle, and the public right-of-way in Greenwich Forest should be avoided whenever possible. The Greenwich Forest Citizens Association (GFCA) will continue to support the replacement of trees. In order to protect mature trees and the natural setting of Greenwich Forest, and to limit runoff into the Chesapeake Bay, the creation of extensive new impermeable hardscape surfaces should be avoided whenever possible.

A2. The houses in Greenwich Forest create an integrated fabric well-suited to its forest setting. These Guidelines are intended to preserve this environment by ensuring that approved work permits include appropriate safeguards that protect the following three essential elements of this fabric:

c. High quality building materials and high level of craftsmanship.

A3. The neighborhood needs to evolve to meet the needs of its residents while maintaining the charm and architectural integrity that have been maintained since the 1930s. Introducing new *architectural styles* that are not already present in the neighborhood will detract from its integrated fabric.

B. BALANCING PRESERVATION AND FLEXIBILITY

Greenwich Forest represents a period in the evolution of Montgomery County worthy of preservation, but it has also changed in response to the needs of residents since it was created in the 1930s. These Guidelines seek a reasonable compromise between preservation and the needs of residents in several ways.

B1. Most of the houses in the Greenwich Forest Historic District are designated "contributing" because they contribute to the architectural and historic nature of the district. Contributing structures are shown in the map of the districts. These Guidelines are more specific for contributing structures.

B2. Other houses in the district are designated non-contributing either because (1) they were built more recently than contributing houses with other architectural styles (see Appendix 3) or (2) their original features have been significantly altered by subsequent modifications. Non-contributing structures are shown on the map of the District. The Guidelines provide greater flexibility for owners of non-contributing houses.

B3. These Guidelines reflect the reality that nearly all houses in Greenwich Forest have been modified since their construction. Owners are not expected to return their houses to their original configurations. The modifications they are permitted to make under these Guidelines are based on the current reality in the neighborhood, provided that those modifications are consistent with the Principles in these Guidelines.

B4. Property owners have additional flexibility under these Guidelines to make more extensive changes to the parts of their houses that are less visible from the public rights-of-way in front of their houses. The Guidelines accomplish this by stipulating different levels of review for specific elements on different parts of houses.

The *Guidelines* that pertain to this project are as follows:

D1. Changes to *architectural style*: Changes to the *façades* of *contributing houses* and additions thereto are permitted if the new *front elevation* (1) is consistent with a style of another *contributing house* (see Appendix 3); and (2) is suitable to and does not significantly alter the original outline, shape and scale of the original structure.

D4. *Additions*: Additions to *contributing* and *non-contributing houses* are allowed. The style of an *addition* must be compatible and in keeping with the prevailing styles of that house. The style of the *addition* must be compatible with the style of the original house, unless the owner wishes to change the *architectural style* of both the house and addition to another style of a *contributing house* in Greenwich Forest (see Changes to *architectural style*, below). *Additions to contributing houses* must preserve as a recognizable entity the outline of the original house (not including subsequent additions). Side additions to *contributing houses* are allowed, but the limits of the original *façade* must be demarcated by stepping back the front plane of the addition and by a change in the addition's roofline. Rear *additions* to *contributing houses* are allowed within limitations on height and setbacks (see D5).

D5. Guidelines on dimensions: The total lot coverage of a house may not exceed 25% of the lot area, and accessory buildings may not exceed 5% of the lot area. The area of an accessory building may be increased by 2%, to 7% of total lot coverage, if the lot coverage of the house and the accessory buildings added together does not exceed 30% of lot area.

Additions should try to preserve ample spacing between houses (see Principle 2b). For example, visual crowding between houses could be minimized by placing an addition toward the back of a property, placing an addition on the side of a property with greater distance to the adjacent house (especially when a side lot abuts the rear setback of an adjacent corner house), or by screening additions with plantings. The total of the two side lot setbacks must be at least 18', with no less than 7' on one side. Rear lot setbacks must be at least 25', though decks no higher than 3' from the ground may extend to an 11' setback.

The elevation of the main or predominant ridgeline(s) of a *contributing house* as viewed from the front may not be increased. To avoid excessive increases in the visual mass of houses, the elevation of any separate ridgelines

D7. Building materials: Replacement of roofs, siding, and trim with original materials is strongly recommended and is considered maintenance that will not require an application for a work permit. Use

of non-original "like materials" such as architectural asphalt shingles requires a work permit to ensure that they match the scale, texture, and detail of the original materials and are consistent with the overall design of the existing house. For example, homeowners wishing to replace slate or tile roofs may use alternative materials that match the scale, texture, and detail of the roof being replaced. If an original slate or tile roof had been replaced with non-original material before July 1, 2011, the homeowner may replace the existing roof in kind or with another material consistent with the architectural style of that house.

D11. Runoff control: Proposals for work permits should consider rainwater runoff problems that may be created by additions and other property and structural alterations. Solutions to these problems should protect trees and maximize the on-property control of this runoff by drainage fields, installation of permeable rather than impermeable surfaces, and other available means.

D16. Walkways and patios: Reconfiguration and replacement of existing pathways and patios that would not result in a net addition of impermeable hardscape surfaces are considered landscaping and do not require an application for a work permit. The installation of new walkways and patios requires a work permit and should minimize the creation of new impermeable hardscape surfaces (see Principle 1).

D17. Windows, dormers, and doors: Door and window replacements are acceptable, as long as the replacements are compatible with the architectural style of the house. Replacement windows with true or simulated divided lights are acceptable, but removable ('snap-in') muntins are not permitted on front-facing windows of contributing houses. Front-facing dormer additions to third floors are permitted on non-contributing houses and on contributing houses, if such additions do not involve raising the main roof ridge line (as specified in D5) and if the addition is compatible in scale, proportion, and architectural style of the original house.

According to the *Guidelines*, the three levels of review are as follows:

> Limited scrutiny is the least rigorous level of review. With this level, the scope or criteria used in the review of applications for work permits is more limited and emphasizes the overall structure rather than materials and architectural details. The decision-making body should base its review on maintaining compatibility with the design, texture, scale, spacing and placement of surrounding houses and the impact of the proposed change on the streetscape.
>
> Moderate scrutiny is a higher level of review than limited scrutiny and adds consideration of the preservation of the property to the requirements of limited scrutiny. Alterations should be designed so the altered structure does not detract from the fabric of Greenwich Forest while affording homeowners reasonable flexibility. Use of compatible new materials or materials that replicate the original, rather than original building materials, should be permitted. Planned changes should be compatible with the structure's existing architectural designs.
>
> Strict scrutiny is the highest level of review. It adds consideration of the integrity and preservation of significant architectural or landscape features and details to the requirements of the limited and moderate scrutiny levels. Changes may be permitted if, after careful review, they do not significantly compromise the original features of the structure or landscape.

Sec. 24A-8. Same-Criteria for Issuance

(a) The commission shall instruct the director to deny a permit if it finds, based on the evidence and information presented to or before the commission that the alteration for which the permit is sought would be inappropriate, inconsistent with or detrimental to the preservation, enhancement or ultimate protection of the historic site or historic resource within an historic district, and to the purposes of this chapter.

(b) The commission shall instruct the director to issue a permit, or issue a permit subject to such conditions as are found to be necessary to insure conformity with the purposes and requirements of this chapter, if it finds that:

(1) The proposal will not substantially alter the exterior features of an historic site or historic resource within an historic district; or

(2) The proposal is compatible in character and nature with the historical, archeological, architectural or cultural features of the historic site or the historic district in which an historic resource is located and would not be detrimental thereto or to the achievement of the purposes of this chapter; or

(d) In the case of an application for work on an historic resource located within an historic district, the commission shall be lenient in its judgment of plans for structures of little historical or design significance or for plans involving new construction, unless such plans would seriously impair the historic or architectural value of surrounding historic resources or would impair the character of the historic district. (*Ord. No. 9-4, § 1; Ord. No. 11-59.*)

Secretary of Interior's Standards for Rehabilitation

The Secretary of the Interior defines rehabilitation as "the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features, which convey its historical, cultural, or architectural values." Standards 2, 9, and 10 most directly apply to the application before the commission:

2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.

9. New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work shall be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportions, and massing to protect the integrity of the property and its environment.

10. New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

STAFF DISCUSSION

The subject property is a two-story Tudor Revival house largely constructed out of brick with decorative stonework and wood timbers, a side gable roof, and a left-projecting screened-in porch with a slate roof. The applicants propose a whole house renovation that includes:

- Demolishing the existing side-projecting porch;
- Window replacement;
- Constructing a side addition in the location of the porch;
- Constructing a rear two-story addition;
- Changing the fenestration on the right elevation to add an entrance; and
- Regrading and constructing a new patio to the rear.

Staff finds the proposed work is consistent with the guidance and recommends the HPC approve the HAWP.

Porch Demolition

The existing porch on the left elevation is framed by painted timbers, covered by a shed roof covered in slate shingles. The porch measures 10' 4" × 14' 3 ½" (ten feet four inches wide by fourteen feet three-

and-one-half inches). The applicant proposes to demolish this porch to provide space for a new side-projecting addition (discussed below). The applicant will retain the roof slates to re-use them on the new construction.

Staff finds the existing porch is an original portion of the house, but its removal will not have a significant impact on the character of the house or the surrounding district. Additionally, Staff finds that the purpose of *Guideline* D4, which allows side additions, would be frustrated by denying the proposed porch demolition. Staff recommends the HPC approve the porch demolition under *Guideline* D4 and 24A-8(d).

Side Addition
In place of the existing side-projecting porch, the applicant proposes to construct a new side-projecting addition. The proposed addition measures 18' 1 ¼" × 21' 2 ¼" (eighteen feet one-and-one-quarter inch wide by twenty-one feet two-and-one quarter-inches deep) with a side gable roof covered in recovered slate shingles. The brick veneer, copper gutters, timber lintels, and brick sills will match the existing house details. The addition's multi-lite aluminum clad casement windows will match the replacement windows (discussed below). The proposed addition is 8' (eight feet)wider than the existing porch, and the addition will be setback 13' 9" (thirteen feet, nine inches) from the left side property boundary.

Staff finds the proposed side addition complies with *Guideline* D4 - which allows side additions - requiring that additions be stepped back from the front wall plane and the roofline altered so that the original portion of the house is clearly demarcated. Staff additionally finds the proposed side addition is consistent with the architectural style and materials of the historic construction, as required by D4. Finally, Staff finds the proposed side addition satisfies the prescriptive side setback minimums in *Guideline* D5.

Window Replacement
The house's existing windows are a mix of sash, casement, and fixed windows in a variety of configurations. All of the windows, except for the wood-framed leaded glass windows to the immediate left of the front doors, are non-historic replacements. The applicant proposes to remove all of the windows except the leaded glass windows and replace them with multi-lite Loewen Aluminum Clad casement windows (specifications attached). Based on the proportions of the window openings and the architectural details found throughout the district, Staff suspects the original windows were steel casements.

Window replacements in the Greenwich Forest Design Guidelines are much more permissive than in other historic districts in Montgomery County. *Guideline* D17 states that window replacements are acceptable, provided the replacement windows are compatible with the style of the house and that SDL lites have permanently affixed grilles applied to the exterior and interior. This Guideline does not require the applicant to demonstrate that the windows have deteriorated beyond repair or that they create some other hazard to health and safety. Staff finds the proposed aluminum clad windows satisfy the requirement of D17 and recommends the HPC approve the window replacement.

Rear Addition
The largest alteration proposed in this HAWP is the rear addition. The applicant proposes to construct a two-story asymmetrical addition, measuring approximately 20' × 35' (twenty feet deep by thirty-five feet wide). The addition has a rear-facing gable, with stucco siding, timber lintels, and Loewen aluminum clad windows and doors to match the new windows (discussed above). On the left (north) side of the addition, the applicant proposes installing an exterior chimney that matches the front porch materials and decorative details. The south side of the addition has a large second-story shed dormer. The roof on the proposed addition and dormer is galvanized snap-lock panels, similar to a standing seam metal roof.

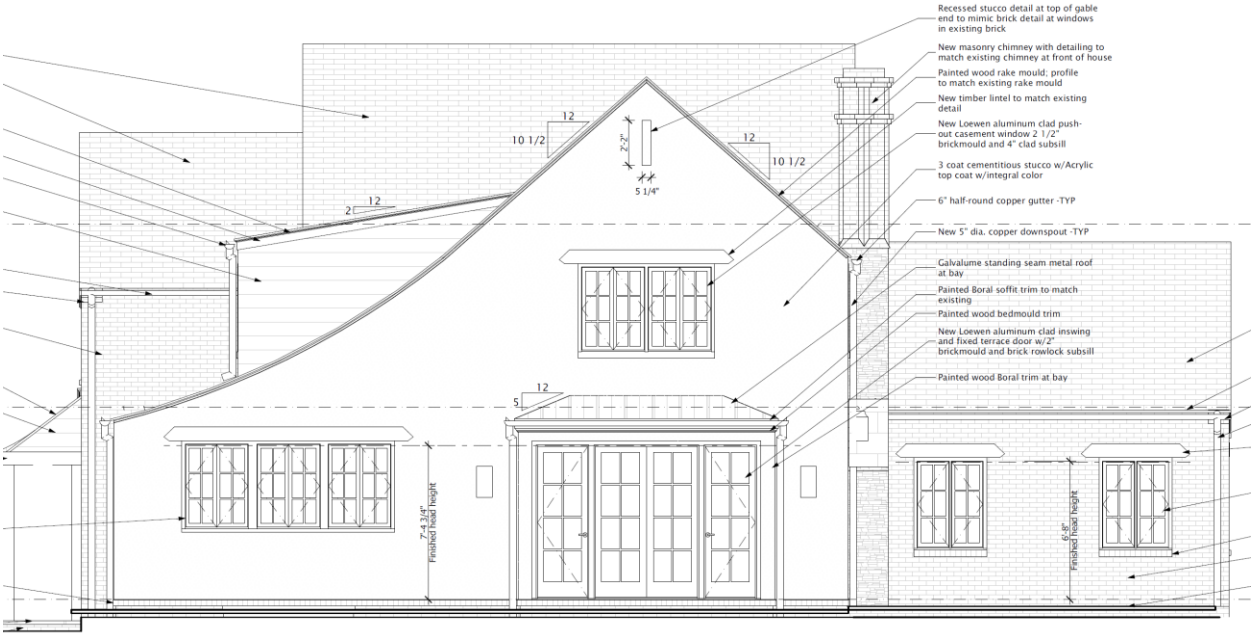


Figure 2: Proposed rear elevation, showing the massing of the proposed addition.

Staff finds the size and scale of the proposed addition will not overwhelm the size of the historic house or the surrounding district and is consistent with the size of recently approved additions including at the property directly to the north at 7825 Overhill Rd.[1] Additionally, Staff finds the placement of the rear addition limits its visibility from the public right-of-way and obscures its overall mass. The side addition will obscure the visibility of the addition's taller north elevation, and the historic house massing obscures the addition from the south. While a portion of the addition's south elevation may be partially visible from an oblique angle, that elevation is only one story, so the overall impression is that of a much smaller addition. *Guideline* D5 provides a 25% lot coverage limit for properties in the Greenwich Forest Historic District. Drawing T2 shows that the existing lot coverage will increase from 11% to 18.6% (from 1,410 ft^2 to 2,383 ft^2), well below the District limit.

As with the side addition, Staff finds the proposed windows and doors are appropriate for the house and consistent with the *District Guidelines*. Staff additionally finds the proposed stucco walls and wood lintels are compatible with the Tudor revival design elements and should be approved under D5.

[1] The Staff Report for the approval at 7823 Overhill Rd. is available here: https://montgomeryplanning.org/wp-content/uploads/2021/10/I.N-7823-Overhill-Road-Bethesda-967939.pdf.

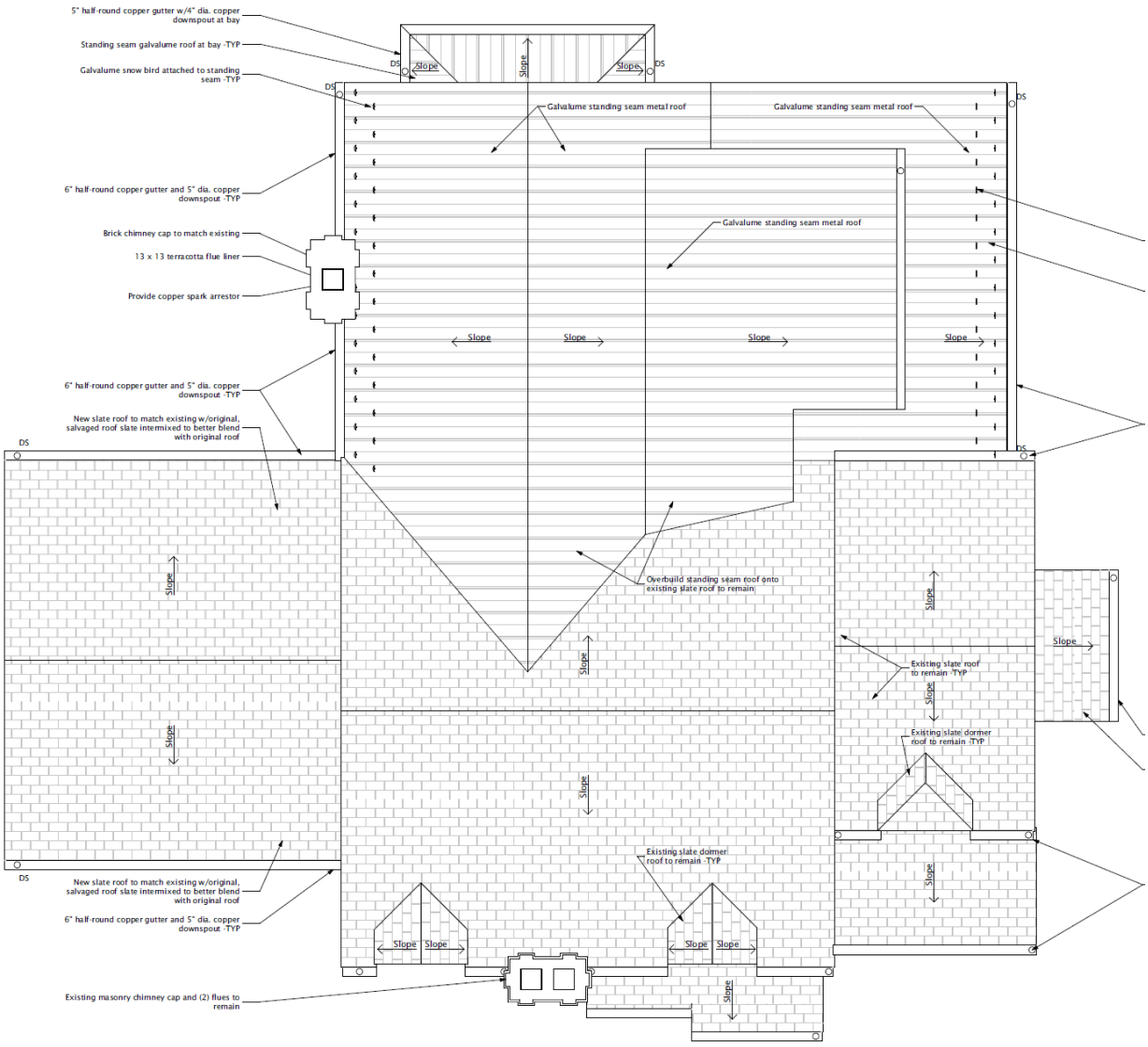


Figure 3: Roof plan showing the proposed side addition (left) in slate and rear addition (top) in metal.

Staff finds the proposed galvalume roof requires some additional consideration. The Englert Series 1000 roof system is a snap-lock roof designed to look like a standing seam metal roof with 1 ½" (one-and-a-half inch) seams with the addition of ridge caps. The galvalume finish has the appearance of a raw metal roof. There is no specific *Guideline* on materials for additions, but the *Guidelines* (D4) do say that additions need to be in keeping with the prevailing style of the house, and A2(c) states that high-quality building materials and craftsmanship are necessary to ensure the preservation of the district's character. Slate is the most widely used roofing material, but there are also instances of asphalt shingle (primarily architectural), and select uses of metal roofing (exclusively copper). Because of the very limited visibility of the proposed rear addition, Staff finds that *Guideline* B4, which grants "additional flexibility… to make more extensive changes to the parts of their houses that are less visibly from the public rights-of-way." Staff finds even under this additional flexibility, the shiny raw metal finish on the roof is incompatible with the character of the house and surrounding district. However, there are several materials Staff would consider appropriate for the addition's roof, detailed below including:

- Natural slate would match the historic house roof and the surrounding district.

- Architectural shingles have been installed on several houses in the district. The thicker profile is designed to mimic the appearance of slate.
- Copper roofing has been installed over porches, bays, and as an accent roof in certain locations.

Staff recommends the HPC approve the rear addition with the added condition that the proposed roof is incompatible with the character of the house and should be replaced with any option from the identified list. Final approval authority to ensure that the selected roof complies with this condition can be delegated to Staff.

Staff notes there have been instances in the Greenwich Forest Historic District where a synthetic slate product was approved for new construction. The material character and quality of these products vary to such a degree that Staff does not find it appropriate to recommend categorical approval for this type of material. Should the applicant wish to consider a synthetic slate, Staff recommends the applicant return for an amended HAWP.

Right Side Entrance

The existing right elevation is simply designed and has a single window on each floor. The applicant proposes to remove the first-floor window, enlarge the opening, and install a new aluminum clad full-lite door. Covering the new entrance, the applicant proposes installing a small shed-roofed porch with timbers and brackets to match the decorative details on the front porch.



Figure 4: The existing right-side addition.

Staff finds the proposed entrance is consistent with the design and materials of the historic house and its small size will not overwhelm the house's historic character. Staff recommends the HPC approve the side porch under a Moderate scrutiny review. While this new entrance would not be appropriate under the *Standards*, when there is a conflict between the *Greenwich Forest Design Guidelines* and the *Standards*, the *Guidelines* control.

Patio and Re-Grading

Behind the new additions, the applicant proposes to construct a new bluestone terrace. The terrace will require some excavation, re-grading, and the expansion of an existing retaining wall, but will not be visible from the public right-of-way. No trees will be impacted by this new hardscaping.

Staff finds the materials are consistent with the existing site and are appropriate for the house and surrounding district. Additionally, the proposed patio will not have a visual impact on the surrounding district because it will not be visible from the right-of-way. Finally, the *Guidelines* state that new impervious surfaces should be minimized to limit runoff into the Chesapeake Bay (*Guidelines* A1 and

D11). The applicant proposes to address the additional impervious surface by installing drywells on site. Because drywells are subterranean features, they are not subject to HPC review. Staff recommends the HPC approve the new patio, regrading, and retaining wall.

STAFF RECOMMENDATION

Staff recommends that the Commission **approve with one condition** the HAWP application:

1. The raw metallic finish of the proposed roof is incompatible with the house materials or the surrounding district. The three roofing materials identified (natural slate, architectural shingle, or copper) are appropriate and the applicant may select a material from that list or return with an amended HAWP. Final approval authority to ensure compliance with this condition is delegated to Staff;

under the Criteria for Issuance in Chapter 24A-8(b)(2) and (d), and the *Greenwich Forest Historic District Design Guidelines*, having found that the proposal will not substantially alter the exterior features of the historic resource and is compatible in character with the surrounding district and the purposes of Chapter 24A;

and with the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made;

and with the general condition that final project design details, not specifically delineated by the Commission, shall be approved by HPC staff or brought back to the Commission as a revised HAWP application at staff's discretion;

and with the general condition that the applicant shall notify the Historic Preservation Staff if they propose to make **any alterations** to the approved plans. Once the work is completed the applicant will contact the staff person assigned to this application at 301-563-3400 or dan.bruechert@montgomeryplanning.org to schedule a follow-up site visit.

FOR STAFF ONLY:
HAWP#1011306
DATE ASSIGNED_____

APPLICATION FOR HISTORIC AREA WORK PERMIT

HISTORIC PRESERVATION COMMISSION
301.563.3400

APPLICANT:

Name: Paula A. Wolff & Joseph M. Mott E-mail: paula.a.wolff@gmail.com

Address: 7819 Overhill Road City: Bethesda Zip: 20814

Daytime Phone: 301-910-7635 Tax Account No.: 00496394

AGENT/CONTACT (if applicable):

Name: Joshua Mohr E-mail: jmohr@annedeckerarchitects.com

Address: 5019 Wilson Lane City: Bethesda Zip: 20814

Daytime Phone: 301-652-0106 Contractor Registration No.: _____

LOCATION OF BUILDING/PREMISE: MIHP # of Historic Property_____

Is the Property Located within an Historic District? X Yes/District Name Greenwich Forest
__No/Individual Site Name_____

Is there an Historic Preservation/Land Trust/Environmental Easement on the Property? If YES, include a map of the easement, and documentation from the Easement Holder supporting this application.

Are other Planning and/or Hearing Examiner Approvals /Reviews Required as part of this Application? (Conditional Use, Variance, Record Plat, etc.?) If YES, include information on these reviews as supplemental information.

Building Number: 7819 Street: Overhill Road

Town/City: Bethesda Nearest Cross Street: Midwood Road

Lot: 24 Block: R Subdivision: 026 Parcel: _____

TYPE OF WORK PROPOSED: See the checklist on Page 4 to verify that all supporting items for proposed work are submitted with this application. Incomplete Applications will not be accepted for review. Check all that apply:

- ☐ New Construction
- ☑ Addition
- ☑ Demolition
- ☑ Grading/Excavation
- ☐ Deck/Porch
- ☐ Fence
- ☑ Hardscape/Landscape
- ☑ Roof
- ☐ Shed/Garage/Accessory Structure
- ☐ Solar
- ☐ Tree removal/planting
- ☑ Window/Door
- ☐ Other:_____

I hereby certify that I have the authority to make the foregoing application, that the application is correct and accurate and that the construction will comply with plans reviewed and approved by all necessary agencies and hereby acknowledge and accept this to be a condition for the issuance of this permit.

_____ _____

Signature of owner or authorized agent Date

HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFING [Owner, Owner's Agent, Adjacent and Confronting Property Owners]	
Owner's mailing address Paula A. Wolff & Joseph M. Mott 7819 Overhill Road Bethesda, MD 20814	**Owner's Agent's** mailing address Anne Decker Architects, LLC 5019 Wilson Lane Bethesda, MD 20814 Attn: Anne Decker & Josh Mohr
Adjacent and confronting Property Owners mailing addresses	
7818 Moorland Lane Bethesda, MD 20814	7816 Moorland Lane Bethesda, MD 20814
7812 Moorland Lane Bethesda, MD 20814	7823 Overhill Road Bethesda, MD 20814
7815 Overhill Road Bethesda, MD 20814	7820 Overhill Road Bethesda, MD 20814 7818 Overhill Road Bethesda, MD 20814

Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

This property is a two-story Tudor Revival home located in the Greenwich Forest Historic District (GFHD). Built in 1936, the house is a contributing house in the GFHD. It is constructed primarily of brick with decorative wood timbers and headers, which together with a large stone and brick chimney on the front facade, are characteristic of the Tudor Revival style. A curved flagstone walkway leads from the curb to the front porch; two flagstone patios are located in the rear of the house. A concrete driveway runs along the south side of hte property colminatin gin a large concrete pad running behind the back of the house.

Description of Work Proposed: Please give an overview of the work to be undertaken:

In addition to interior renovations, two additions are proposed: (1) a one story bedroom suite off of the north side of the house; and a (2) two story addition off of the back of the house. The small existing screened porch on the north side of the house will be removed to accommodate the one-story side addition which will be stepped back 5' from the front edge of the original house. The one-story addition will be constructed entirely of brick matching the brick of the original house and will have a slate roof, much of which will be savaged from the existing screened porch. Decorative timber headers will be placed over the windows to remain consistent with the Tudor Revival style. The back addition, which will not be visible from the street, will run along the rear of the original house and will be constructed of stucco with wood trim and headers consistent with the Tudor Revival style. A large Stone and brick chimney will be added to mimic the chimney on the front of the house. A small dormer on the rear of the house will be covered with wood siding and will be painted to match the trim color. The roof on the rear addition will be standing seam metal. All electric, plumbing and mechanical systems will be updated and new casement windows added to the entire house. A flagstone patio will be located at the rear of the house at the intersection of the two additions; a flagstone walkway will connect the patio to the driveway. On the south side of the house, a small entry porch will be added with decorative beams matching those on the existing front porch of the house. Steps from the side porch will lead to the driveway.

Consistent with the Greenwich Forest Guidelines, great care is being taken to ensure the historical integrity of the house, to use of quality materials in the renovation, to safeguard existing trees and to minimize the creation of new hardscape. Indeed, most of the new construction will be on areas of existing hardscape thereby minimizing the loss of green space. No trees covered by the Greenwich Forest Guidelines will be removed for this project.

Work Item 1: _____

Description of Current Condition:	Proposed Work:

Work Item 2: _____

Description of Current Condition:	Proposed Work:

Work Item 3: _____

Description of Current Condition:	Proposed Work:

HISTORIC AREA WORK PERMIT
CHECKLIST OF
APPLICATION REQUIREMENTS

	Required Attachments						
Proposed Work	I. Written Description	2. Site Plan	3. Plans/ Elevations	4. Material Specifications	5. Photographs	6. Tree Survey	7. Property Owner Addresses
New Construction	*	*	*	*	*	*	*
Additions/ Alterations	*	*	*	*	*	*	*
Demolition	*	*	*		*		*
Deck/Porch	*	*	*	*	*	*	*
Fence/Wall	*	*	*	*	*	*	*
Driveway/ Parking Area	*	*		*	*	*	*
Grading/Excavation/Landscaing	*	*		*	*	*	*
Tree Removal	*	*		*	*	*	*
Siding/ Roof Changes	*	*	*	*	*		*
Window/ Door Changes	*	*	*	*	*		*
Masonry Repair/ Repoint	*	*	*	*	*		*
Signs	*	*	*	*	*		*

GENERAL NOTES

1. Boundary information and two-foot contour data are based upon surveys performed by CAS Engineering, dated February, 2022.
2. Total lot area: Lot 24 = 12,774 sq. ft. (0.293 acres)
3. Property is located on Tax Map HN122 and WSSC 200' Sheet 209NW05.
4. Property is located on Soils Survey Map Number 26.
   Soil type(s): 2UC, Glenelg-Urban land complex, HSG "B".
5. Flood zone "X" per F.E.M.A. Firm Maps, Community Panel Number 24031C0455D.
6. Property is located in the Cabin John Creek Watershed.
7. Water Category - 1, Sewer Category - 1
8. Local utilities include:
   Water / Sewer - Washington Suburban Sanitary Commission
   Electric - PEPCO
   Telephone - Verizon
   Gas - Washington Gas
9. Property is not located in an incorporated municipality.
10. Property is not located in a Special Protection Area.
11. Property is located in the Greenwich Forest Historic District. Architect to refer to the Greenwich Forest Historic District Master Plan for Historic Preservation for additional information, regulations, and restrictions.
12. This plan was created without the benefit of a title report.

ZONING DATA

1. **Zoning: R-90**
   Minimum Lot Area = 9,000 sq. ft. — Front B.R.L. = 30 ft. (Addition) [1]
   Minimum Lot Width at R/W = 25 ft. — Rear B.R.L. = 25 ft. [4]
   Minimum Lot Width at B.R.L. = 75 ft. — Side B.R.L. = 7 ft. min. 18 ft. total [2] [3] [4]

   [1] Per Montgomery County Code Section 4.4.1.A.1., the Established Building Line does not apply to an alteration or addition to an existing house.

   [2] Per Montgomery County Code Section 7.7.1.D.2.c, a detached house on a platted lot, parcel, or part of a previously platted lot that has not changed in size or shape since June 1, 1958, exclusive of changes due to public acquisition, may be constructed or reconstructed in a manner that satisfies the maximum building height, lot coverage and established building line of its zone when the building permit is submitted and the side yard and rear setback required by its pre-1958 zoning in effect when the lot, parcel or part of a lot was first created.

   [3] This property was created prior to January 1, 1954, therefore 7 foot side setbacks are permitted.

   [4] Greenwich Forest Historic District Design Guidelines.

2. **Montgomery County lot coverage to be confirmed based on Infill Development Criteria. Architect to Confirm.**

3. **Verify lot coverage in accordance with the Greenwich Forest Historic District Design Guidelines.**
   The total lot coverage of a house may not exceed 25% of the lot area, and accessory buildings may not exceed 5% of the lot area. The area of an accessory building may be increased by 2%, to 7% of total lot coverage, if the lot coverage of the house and the accessory buildings added together does not exceed 30% of the lot area.
   Allowable Lot Coverage (house): 25% of total lot area.
   Lot 24 = 12,774 sq. ft. (Per Plat)
   12,774 x 0.25 = 3,193.5 sq. ft.
   12,774 x 0.30 = 3,832.2 sq. ft.
   12,774 x 0.05 = 638.7 sq. ft.
   12,774 x 0.07 = 894.18 sq. ft.
   Allowable area to be covered by house = 3,193.5 sq. ft.
   Total area covered by house = 0,000.0 sq. ft.
   Allowable area to be covered by an accessory building = 894.18 sq. ft (if house + accessory building ≤ 3,832.2 sq. ft.)
   Allowable area to be covered by an accessory building = 638.7 sq. ft (if house + accessory building > 3,832.2 sq. ft.)
   Total area covered by accessory building = 0000.0 sq. ft.

RELATED REQUIRED PERMITS

TO BE COMPLETED BY THE CONSULTANT AND PLACED ON THE FIRST SHEET OF THE SEDIMENT CONTROL/STORMWATER MANAGEMENT PLAN SET FOR ALL PROJECTS.

IT IS THE RESPONSIBILITY OF PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF THE APPROVED SEDIMENT CONTROL PERMIT:

TYPE OF PERMIT	REQ'D	NOT REQ'D	PERMIT NUMBER	EXPIRATION DATE	WORK RESTRICTION DATES
MCDPS Floodplain District		X			
WATERWAYS/WETLAND(S):		X			
a. Corps of Engineers		X			
b. MDE		X			
c. MDE Water Quality Certification		X			
MDE Dam Safety		X			
DPS Roadside Trees Protection Plan ★ ★ Copy of approved plan to be provided to SC inspector at the pre-construction meeting		X		Approval Date	
N.P.D.E.S. - Notice of Intent		X			Date Filed
FEMA LOMR - (Letter of Map Revision) Required Post Construction		X			
OTHERS (Please List):					

CONSTRUCTION INSPECTION CHECK-OFF LIST FOR DRY WELL/RECHARGE CHAMBER

STAGE	MCDPS INSPECTOR	OWNER/ DEVELOPER
MANDATORY NOTIFICATION: Inspection and approval of each practice is required at these points prior to proceeding with construction. The permittee is required to give the MCDPS Inspector twenty-four (24) hours notice (DPS telephone 240-777-0311). The DPS inspector may waive an inspection, and allow the owner/developer to make the required inspection per a prior scheduled arrangement which has been confirmed with the DPS inspector in writing. Work completed without MCDPS approval may result in the permittee having to remove and reconstruct the unapproved work. **Upon completion of the project, a formal Stormwater Management As-Built must be submitted to MCDPS unless a Record Drawing Certification has been allowed instead.** Each of the steps listed below must be verified by either the MCDPS Inspector OR the Owner/Developer.	INITIALS/DATE	INITIALS/DATE
1. Excavation for Dry Well conforms to approved plans		
2. Placement of backfill, perforated inlet pipe and observation well conforms to approved plans		
3. Placement of geotextiles and filter media conforms to approval plans		
4. Connecting pipes, including connection to downspout, constructed per the approved plans		
5. Final grading and permanent stabilization conforms to approved plans		
TOTAL NUMBER OF DRY WELLS INSTALLED PER THIS PERMIT: APPROVED _____ CONSTRUCTED _____		

NON-ROOFTOP DISCONNECTION

"The constructed Non-Rooftop Disconnections meet the conditions specified on the approved plans."

Owner/Developer Signature — Date

ROOFTOP DISCONNECTION

"The constructed Rooftop Disconnections meet the conditions specified on the approved plans."

Owner/Developer Signature — Date

RECORD DRAWING CERTIFICATION

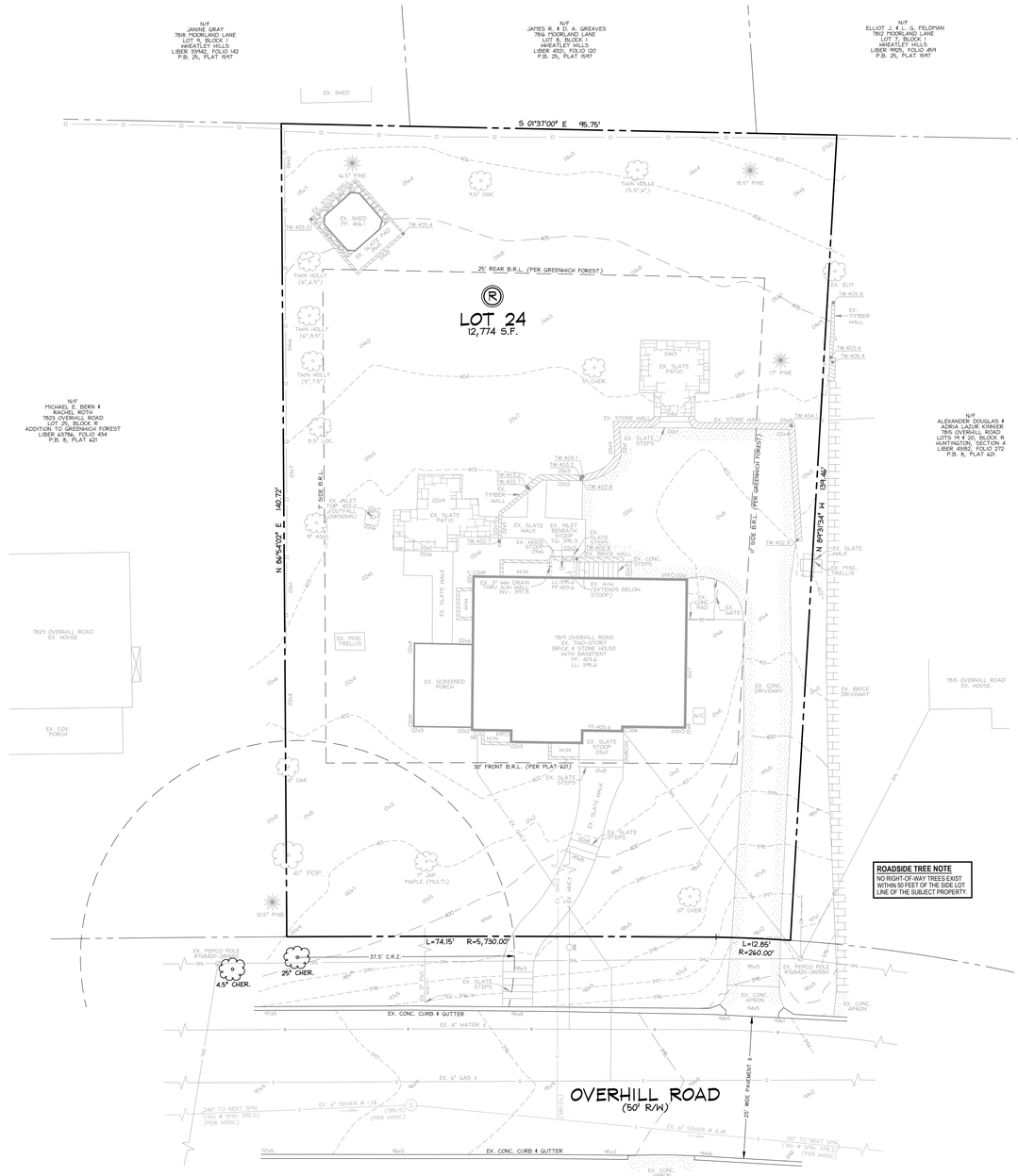
A record set of approved Sediment Control/Stormwater Management plans must be maintained onsite at all times. In addition to stormwater management items, these plans must include the number and location of all trees proposed to be planted to comply with the Tree Canopy Law, Any approved modifications or deletions of stormwater practices or tree canopy plantings or information must be shown on this record set of plans and on the Tree Canopy Requirements table. Upon completion of the project, the record set of plans, including thereon this signed Record Drawing Certification, must be submitted to the MCDPS inspector, **in addition** to this Record Drawing Certification, a formal Stormwater Management As-Built submission ☐ **is required** ☒ **is not required** for this project.

If this project is subject to a *Stormwater Management Right of Entry and Maintenance Agreement*, that document is recorded at Book **XXXXX** Page **XXX** . This Record Drawing will serve as referenced in the recorded document.

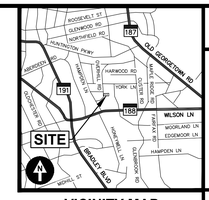
"This record drawing accurately and completely represents the stormwater management practices and tree canopy plantings as they were constructed or planted, All stormwater management practices were constructed per the approved Sediment Control / Stormwater Management plans or subsequent approved revisions."

Owner/Developer Signature — Date

FIELD CHECK OF RECORD DRAWING BY MCDPS INSPECTOR: INITIALS _____ DATE _____



ROADSIDE TREE NOTE
NO RIGHT-OF-WAY TREES EXIST WITHIN 50 FEET OF THE SIDE LOT LINE OF THE SUBJECT PROPERTY.



VICINITY MAP
ADC MAP 5407, GRID C-2, SCALE: 1" = 2000'

LEGEND

EXISTING FEATURES

- Ex. Sewer Manhole and Invert
- Ex. Water Line with Valve
- Ex. Gas Line with Valve
- Ex. Overhead Utility with Pole
- Ex. Downspout Piped / Spilled
- Ex. Two- And Ten-foot Contours
- Ex. Spot Elevation
- Ex. Wood or Stockade Fence
- Ex. Metal or Iron Fence
- Ex. Retaining Wall
- Ex. Tree (< 24" DBH)
- Ex. Roadside Tree or Ex. Tree (24" DBH - < 30" DBH)
- Ex. Tree (30" DBH and greater)

PROPOSED FEATURES

- Limit Of Disturbance (L.O.D.)
- Prop. Water-House Connection
- Prop. Sewer-House Connection
- Prop. Gas-House Connection
- Prop. Electric-House Connection
- Prop. Contour with Elevation
- Prop. Spot Elevation
- Prop. Retaining Wall
- Prop. 4" PVC Drain Pipe
- Prop. Downspout Disconnect with Flow Path and Flow Direction
- Prop. Drainage Divide
- Prop. Roadside Tree
- Prop. Surface Flow Direction
- Prop. Pipe Flow Direction
- Prop. Silt Fence
- Prop. Super Silt Fence
- Prop. Orange Construction Fence
- Prop. Root Pruning Trench
- Prop. Tree Protection Fence
- Combined Tree Protection Fence and Super Silt Fence
- Combined Tree Protection Fence and Root Pruning Trench
- PROP. S.C.E. — Prop. Stabilized Construction Entrance
- Gravel Dry Well with the Perforated Pipe Layout, Downspout Leader, Pipe Flow Direction, and Pipe Invert Elevation (354.4)
- Prop. Micro Infiltration Trench

TREE CANOPY REQUIREMENTS

TO BE COMPLETED BY THE CONSULTANT AND PLACED ON THE FIRST SHEET OF THE SEDIMENT CONTROL/ STORMWATER MANAGEMENT PLAN SET FOR ALL PROJECTS.

EXEMPT: YES ☐ NO ☒

If exempt under Section 55-5 of the code, please check the applicable exemption category below.

Total Property Area	Total Disturbed Area
12,774 S.F.	0,000 S.F.
Shade Trees Required	**Shade Trees Proposed**
0	0

Fee in Lieu: (Trees Required −Trees Proposed) x $250 = $ 0,000.00

Required Number of Shade Trees:

AREA OF THE LIMITS OF DISTURBANCE (SQUARE FEET) FROM	TO	NUMBER OF SHADE TREES REQUIRED
1, SQ. FT.	6,000 SQ. FT.	3
6,001 SQ. FT.	8,000 SQ. FT.	6
8,001 SQ. FT.	12,000 SQ. FT.	9
12,001 SQ. FT.	14,000 SQ. FT.	12
14,001 SQ. FT.	40,000 SQ. FT.	15

If the square footage of the limits of disturbance is more than 40,000 SF, then the number of shade trees required must be calculated using the following formula: (Number of Square Feet in LOD / 40,000) x 15

Exemption Categories:

☐ 55-5(a) any activity that is subject to Article II of Chapter 22A;
☐ 55-5(b) any commercial logging or timber harvesting operation with an approved exemption from Article II of Chapter 22A;
☐ 55-5(f) any activity conducted by the County Parks Department;
☐ 55-5(g) routine or emergency maintenance of an existing stormwater management facility, including an existing access road, if the person performing the maintenance has obtained all required permits;
☐ 55-5(h) any stream restoration project if the person performing the project has obtained all necessary permits;
☐ 55-5(i) cutting or clearing any tree to comply with applicable provisions of any federal, state, or local law governing safety of dams;
☐ OTHER: Specify per Section 55-5 of the Code: This property is located within the Montgomery County incorporated municipality of _____, therefore it is not subject to the Tree Canopy Law.

FRONT YARD PARKING AREA COVERAGE

R-90: 30% MAXIMUM

FRONT YARD PARKING AREA: X,XXX.X SF
FRONT YARD AREA: X,XXX.X SF
COVERAGE: XX.X% (< 30%)

TOPSOIL NOTE

TOPSOIL MUST BE APPLIED TO ALL PERVIOUS AREAS WITHIN THE LIMITS OF DISTURBANCE PRIOR TO PERMANENT STABILIZATION IN ACCORDANCE WITH MDE "STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS".

DRAINAGE STATEMENT

I understand that DPS approval of this sediment control/stormwater management plan is for demonstrated compliance with required environmental runoff treatment standards. This DPS sediment control/stormwater management plan approval does not relieve me of professional responsibility. I have analyzed the proposed design for Sediment Control Permit No. 000000 and hereby state that, based upon my background, training and experience, I have determined that the proposed improvements shown on this plan meet relevant laws and regulations. I further acknowledge that I have analyzed the post development drainage patterns for this project from the standpoint of my responsibilities under current Maryland Law and have determined that if permission is required from adjacent property owners, it has been obtained and copies of those permissions have been made available to DPS.

Curt A. Schreffler — 00/00/0000
Curt A. Schreffler — Date

UTILITY INFORMATION

EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND MUST BE FIELD VERIFIED. UTILITY LOCATIONS ARE BASED UPON AVAILABLE RECORDS AND ARE SHOWN TO THE BEST OF OUR ABILITY.

FOR LOCATION OF UTILITIES, CALL "MISS UTILITY" AT 1-800-257-7777, OR LOG ON TO WWW.MISSUTILITY.NET/ITIC 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDER GROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

ROADSIDE TREE REQUIREMENTS

TO BE COMPLETED BY THE CONSULTANT AND PLACED ON THE FIRST SHEET OF THE SEDIMENT CONTROL/ STORMWATER MANAGEMENT PLAN SET FOR ALL PROJECTS.

# of Street Trees Removed	# of Street Trees Planted
0	0
Street Tree Removal Fee	**Additional Required Fee**
$000.00 ($500/tree)	$000.00 * ($250/tree)
Total Fees Required $000.00	

Major (Shade) Trees: Spacing- 50' (±5') O.C., min.; Height- 10' min; Caliper size- 2" at 6" above the ground.
Minor (Flowering) Trees: Spacing- 30' (±5') O.C., min.; Height- 8' min; Caliper size 1.5" at 6" above the ground.
Street tree species to be approved by Montgomery County Department of Transportation (MC-703.01, .02)
Minimum Tree Clearances (MC-700.01)
a) 5' from water main
b) 5' from gas box
c) 5' from drain of manhole
d) 10' from fire hydrant
e) 15' from streetlight
For additional planting requirements, please see:
MC-700.01: Tree Locations, Closed Section: Roads
MC-701.01: Tree Locations, Open Section Roads
MC-702.01: Tree Planting Detail

PRELIMINARY

BUILDING PERMIT SITE PLAN

NOT FOR PERMIT SUBMITTAL

THIS PLAN IS FOR ZONING, SEDIMENT CONTROL, AND STORMWATER MANAGEMENT APPROVAL ONLY.
SEE THE RIGHT-OF-WAY IMPROVEMENTS AND ROADSIDE TREE PLAN FOR TREE PLANTING, TREE REMOVAL, AND/OR ANY NECESSARY TREE PROTECTION MEASURES AND DETAILS.

OWNER/APPLICANT
Paula Wolff
7819 Overhill Road
Bethesda, MD 20814
(301) 911-7635 Cell
paula.a.wolff@gmail.com

ARCHITECT
Anne Decker Architects, LLC
5019 Wilson Lane, 2nd Floor
Bethesda, MD 20814
Attn: Anne Decker
(301) 652-0106 Direct
adecker@annedeckerarchitects.com

7819 Overhill Road
Lot 24, Block R, Addition to Greenwich Forest Building Permit Site Plan, Stormwater Management Plan, and Sediment Control Plan Sediment Control Permit #: 000000

TECHNICAL REVIEW OF SEDIMENT CONTROL	ADMINISTRATIVE REVIEW
REVIEWED _____ DATE	REVIEWED _____ DATE
TECHNICAL REVIEW OF STORMWATER MANAGEMENT	**SMALL LOT DRAINAGE APPROVAL**
REVIEWED _____ DATE	N/A: ☐ OR REVIEWED _____ DATE
MCDPS APPROVAL OF THIS PLAN WILL EXPIRE TWO YEARS FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED.	MCDPS APPROVAL DOES NOT NEGATE THE NEED FOR A MCDPS ACCESS PERMIT.

DPS approval of a sediment control or stormwater management plan is for demonstrated compliance with minimum environmental runoff treatment standards and does not create or imply any right to divert or concentrate runoff onto any adjacent property without that property owner's permission. It does not relieve the design engineer or other responsible person of professional liability or ethical responsibility for the adequacy of the drainage design as it affects uphill or downhill properties.

000000
SEDIMENT CONTROL PERMIT NO.

N/A
STORMWATER MANAGEMENT FILE NO.

CAS ENGINEERING-MD
10 South Bentz Street
Frederick, Maryland 21701
301-607-8031 Phone
info@casengineering.com
www.casengineering.com

CAS ENGINEERING-DC, LLC
4836 MacArthur Boulevard, NW, 2nd Floor
Washington, DC 20007
202-393-7200 Phone
info@cas-dc.com
www.cas-dc.com

0 5 10 15 20
SCALE: 1 INCH = 10 FEET

SHEET TITLE:
Building Permit Site Plan, SWM Plan, and Sediment Control Plan

1 OF 1

CAS JOB NO.:	21-1162
DATE:	03/2022

DATE	REVISION
03/17/22	LAK - Building Permit Site Plan Base Sheet to Client and Architect

WOLFF-MOTT RESIDENCE

7819 Overhill Rd,Bethesda, MD 20814

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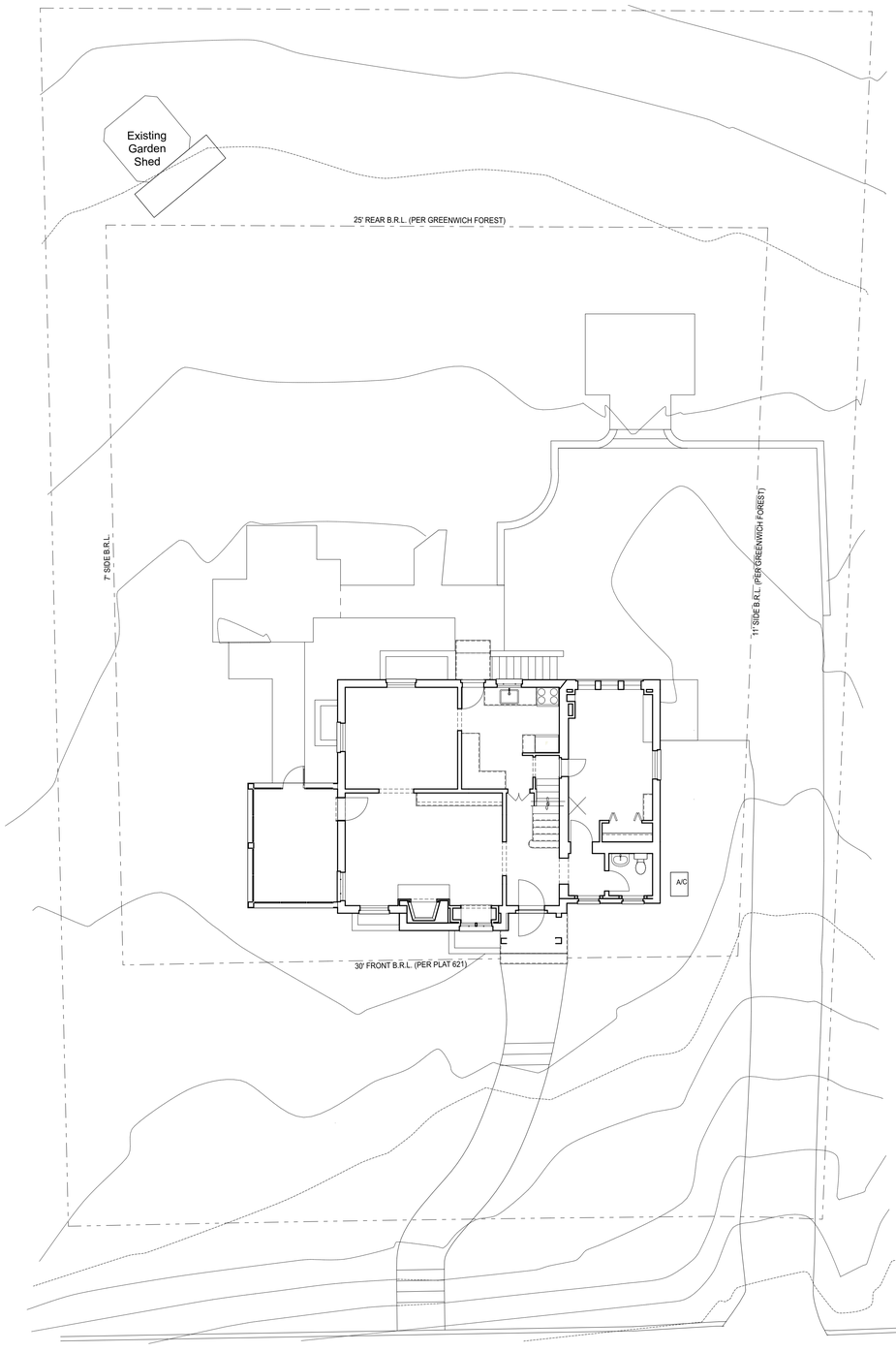
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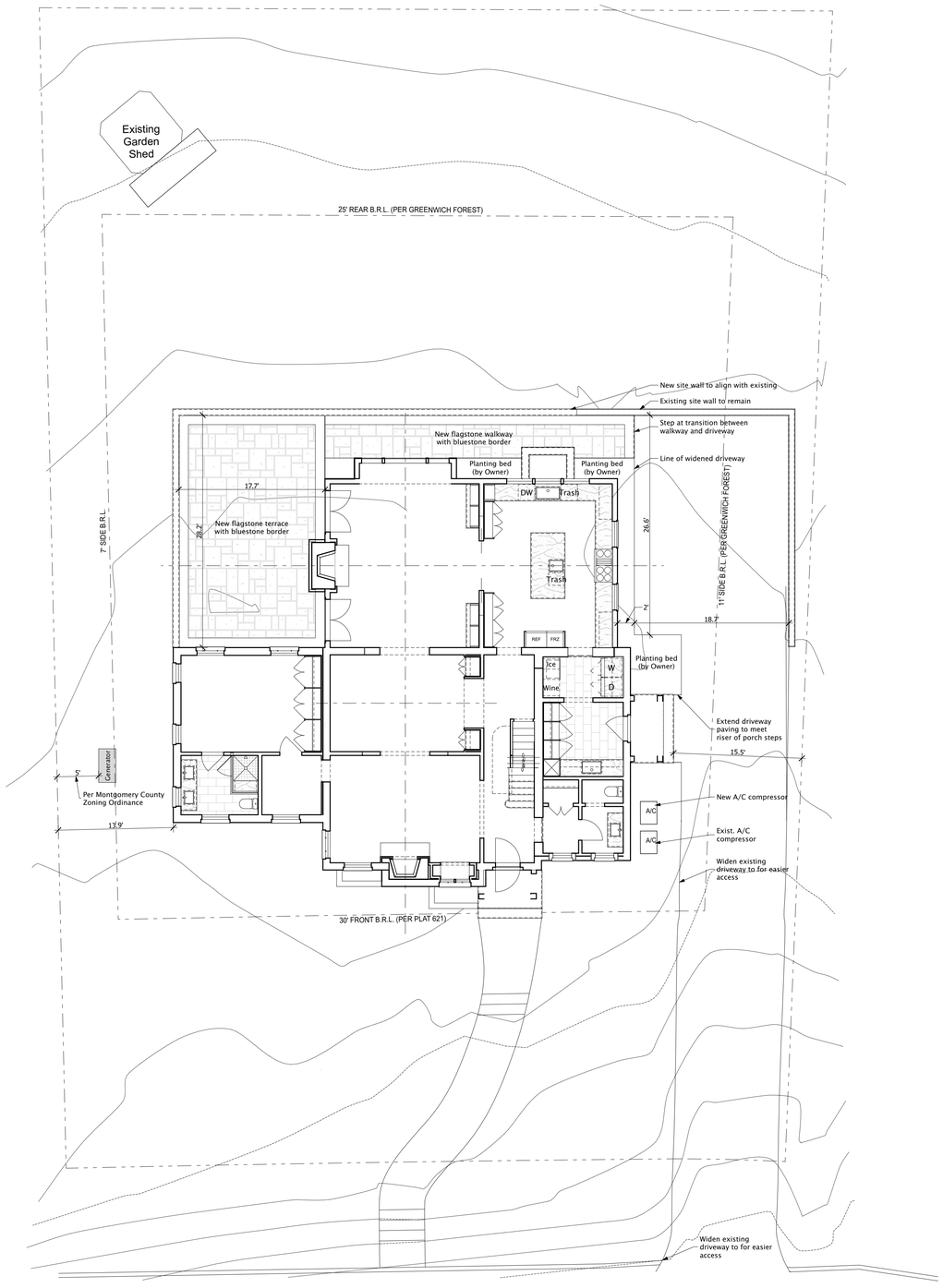
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Cover

T1



1 Existing Site Plan
1/8" = 1'-0"



2 Proposed Site Plan
1/8" = 1'-0"

LOT COVERAGE NOTES:
Existing:
House: 1,314 SF
Accessory Building: 96 SF
Total Lot Coverage of House and Accessory Building: 1,410 SF
Lot Coverage Percentage: 11% Lot Coverage

Proposed:
House: 2,287 SF
Accessory Building: 96 SF
Total Lot Coverage of House and Accessory Building: 2,383 SF
Lot Coverage Percentage: 18.6% Lot Coverage

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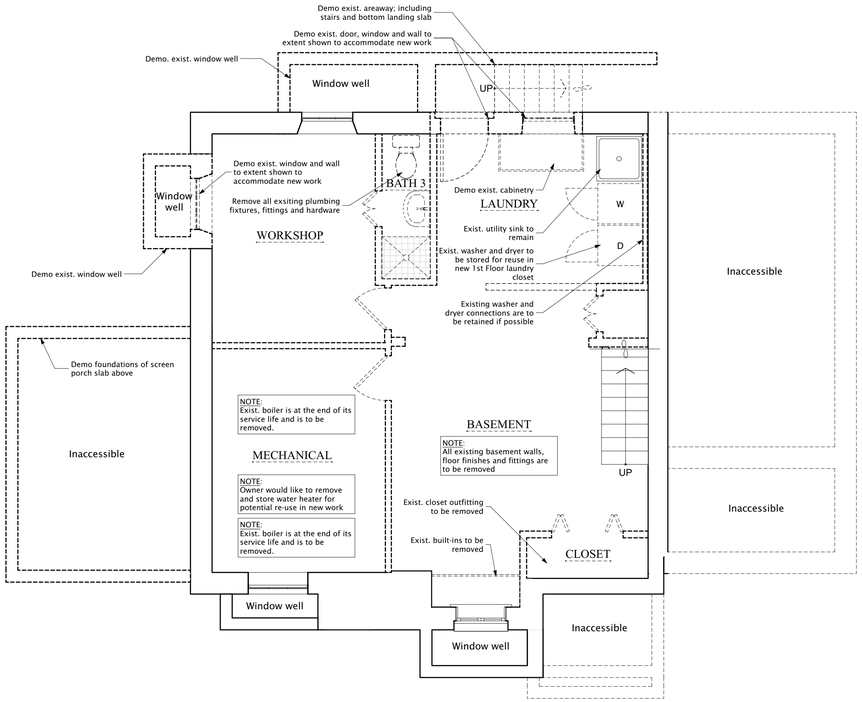
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Site Plans

T2



1 Basement
1/4" = 1'-0"

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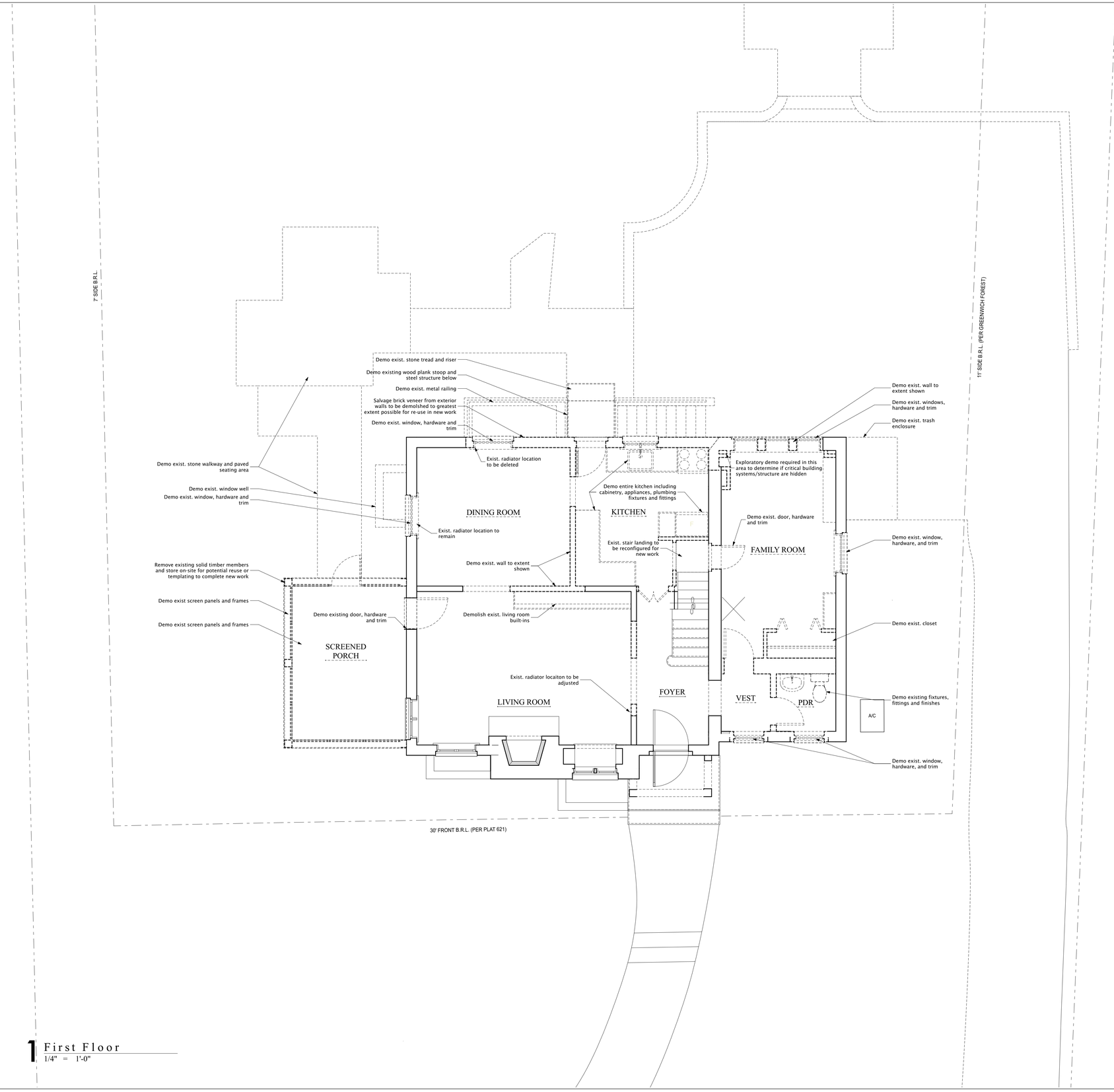
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Basement

D-0



1 First Floor
1/4" = 1'-0"

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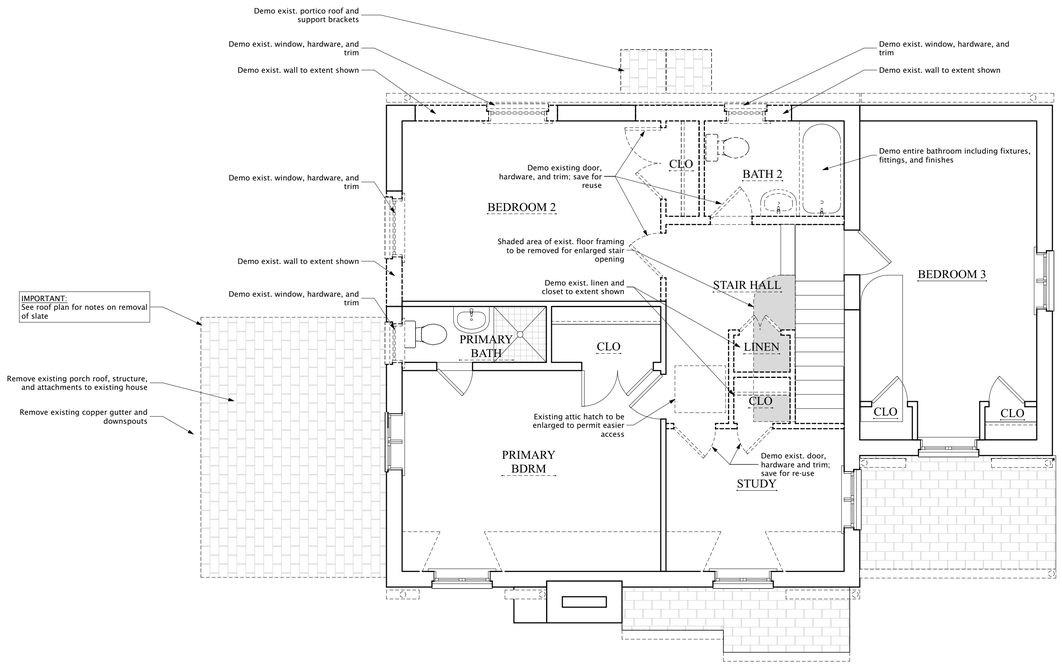
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First Floor

D-1



1 Second Floor
1/4" = 1'-0"

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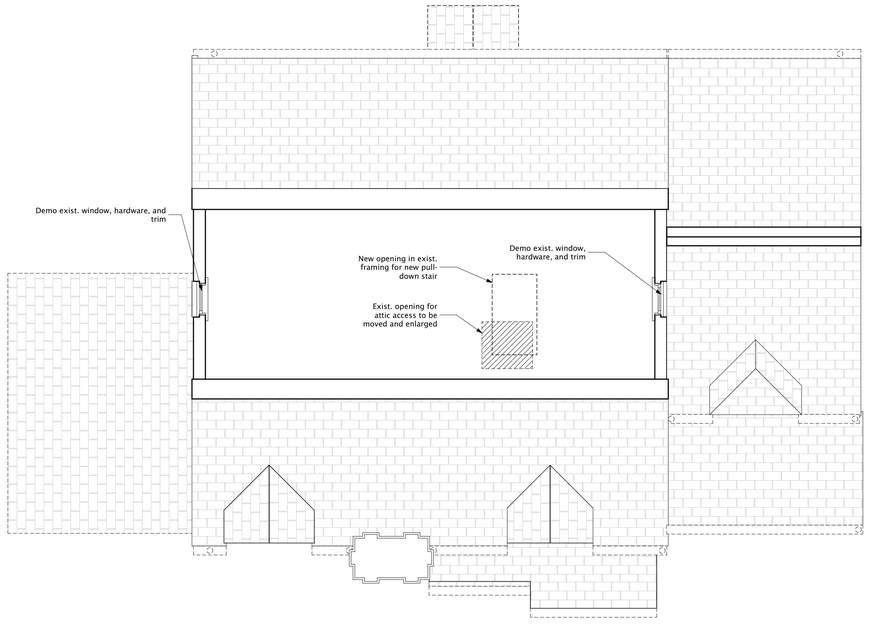
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Second Floor

D-2



1 Attic
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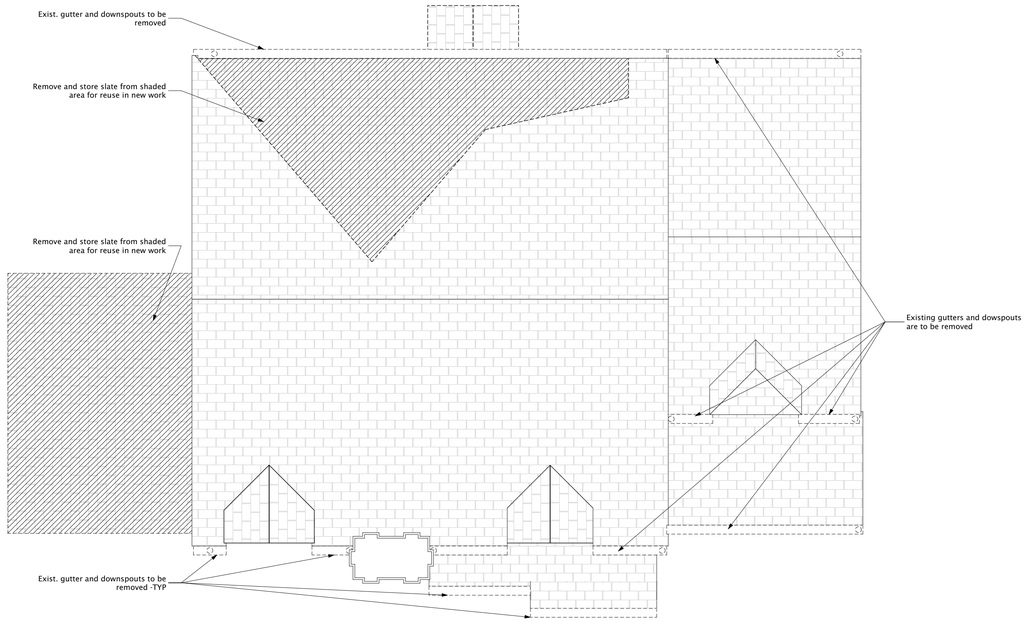
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Attic

D-3



1 Roof
1/4" = 1'-0"

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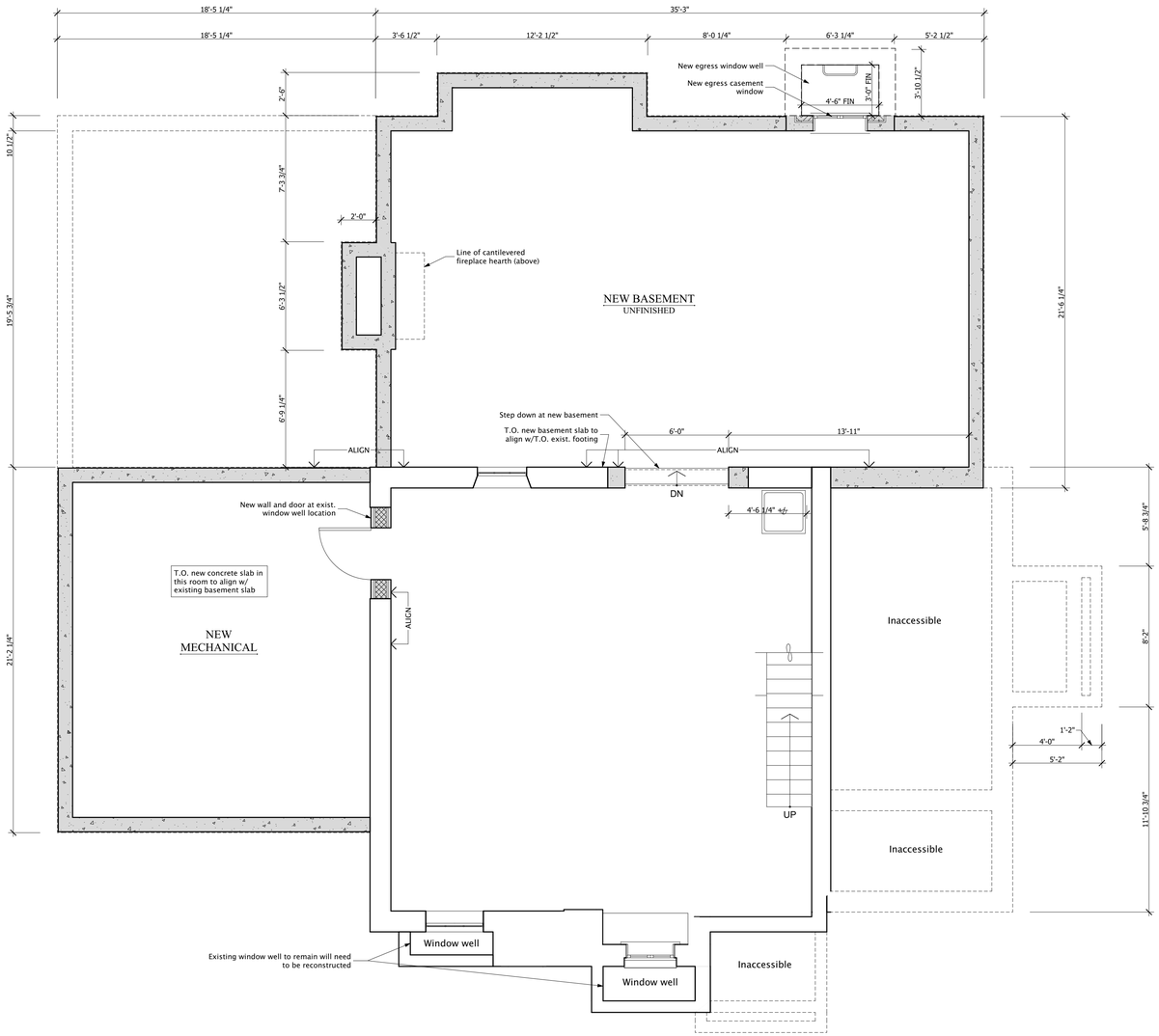
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Roof

D-4



1 Basement
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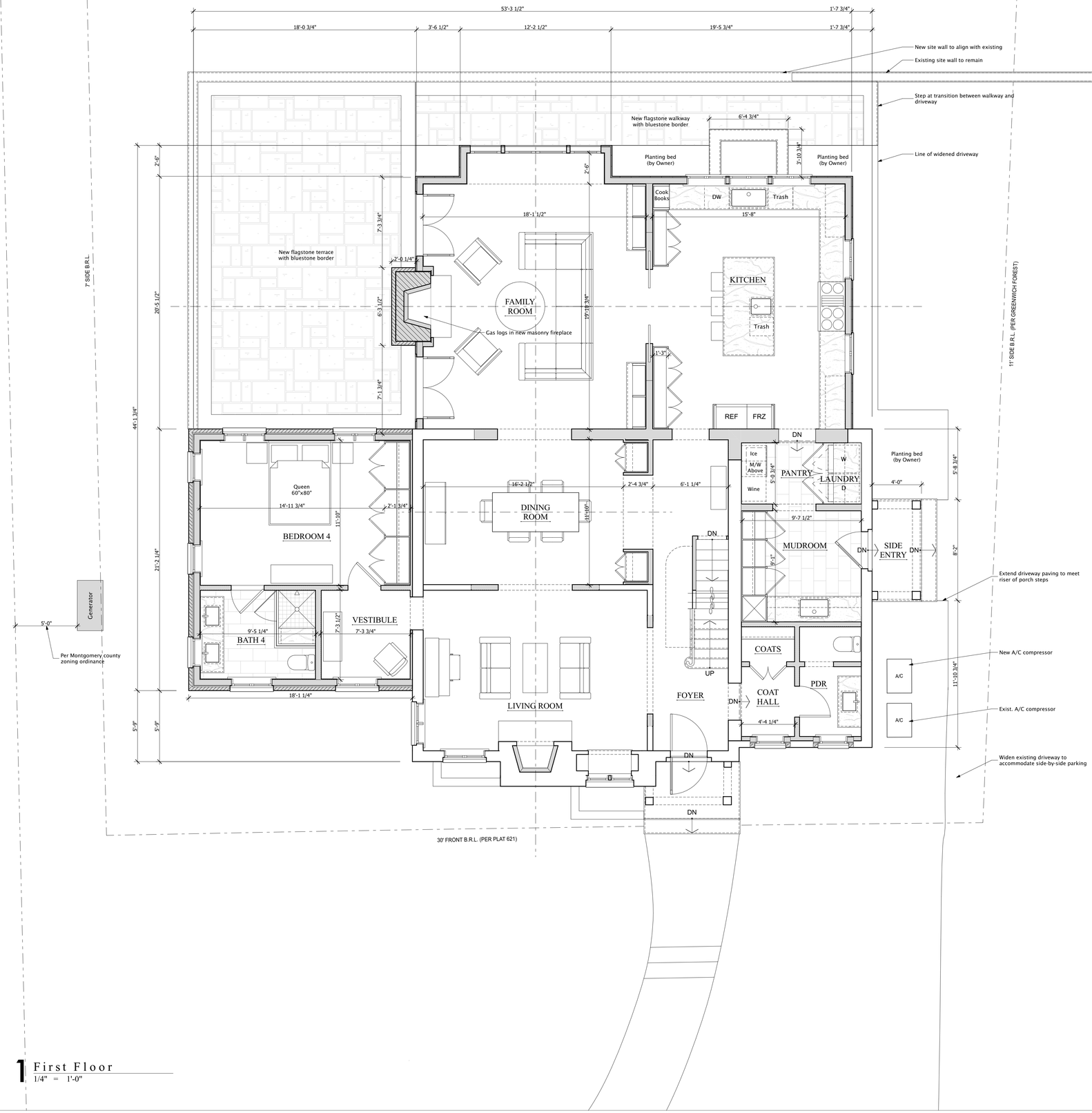
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Basement

A1-0



1 First Floor
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WOLFF-MOTT RESIDENCE

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HAWP SUBMISSION

26 October 2022

No.	Date	Revision Notes

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First Floor

A1-1



1 Second Floor
1/4" = 1'-0"

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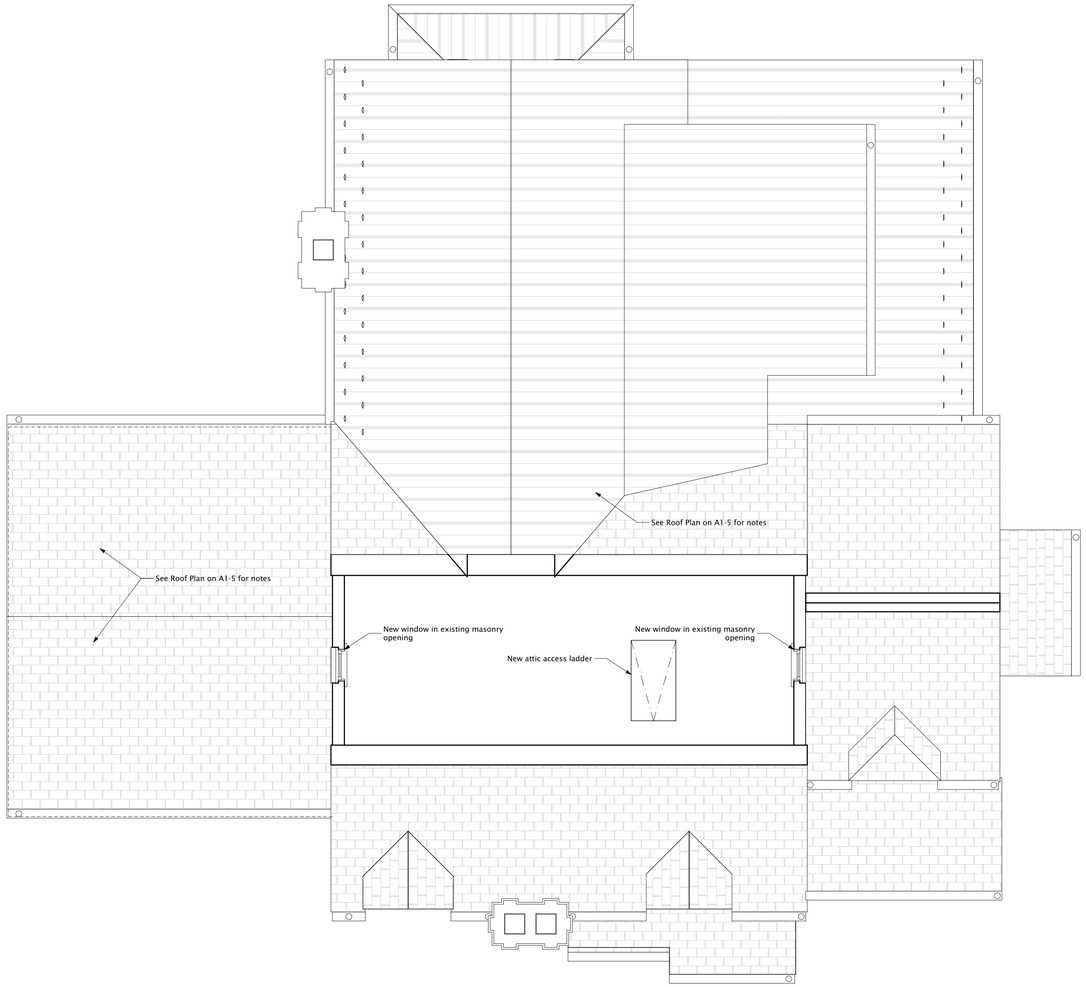
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Second Floor

A1-2



1 Attic
1/4" = 1'-0"

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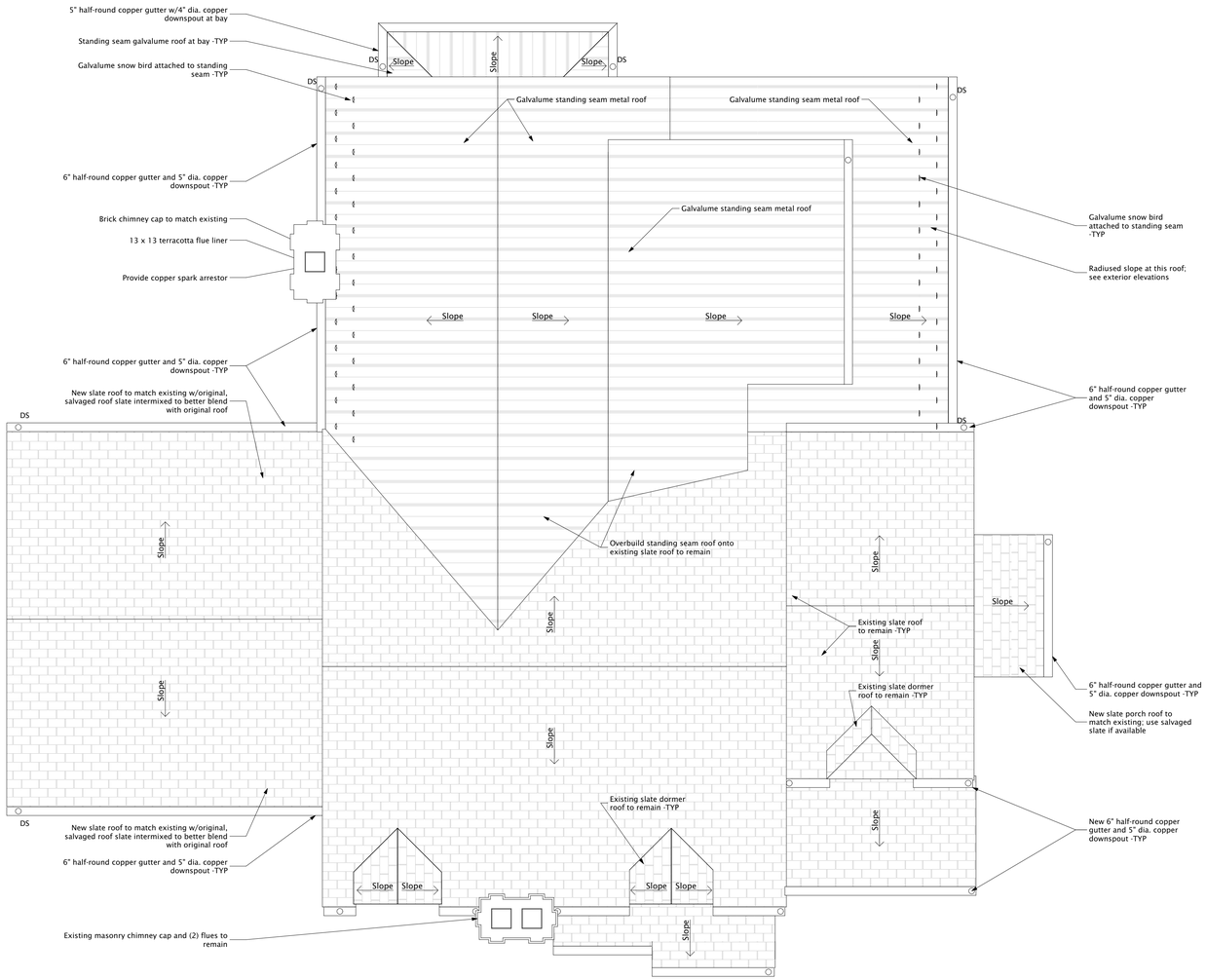
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Attic

A1-3



1 Roof
1/4" = 1'-0"

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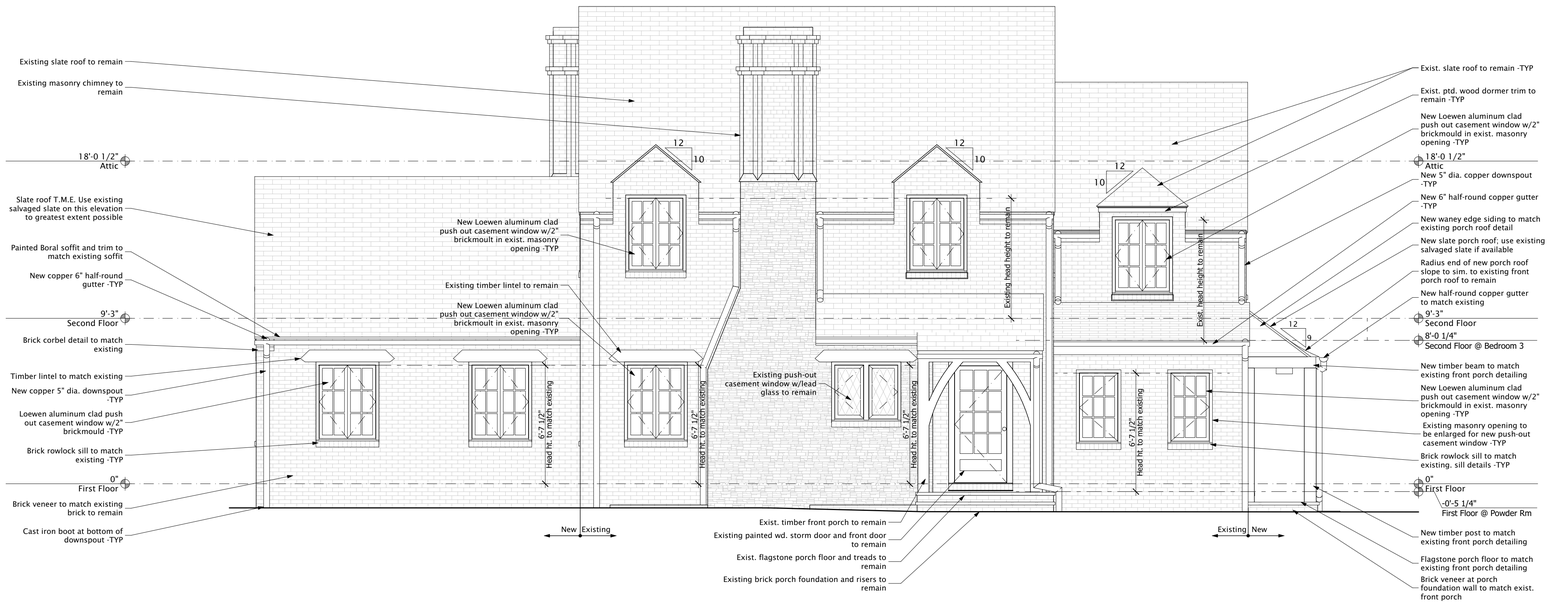
26 October 2022

No.	Date	Revision Notes

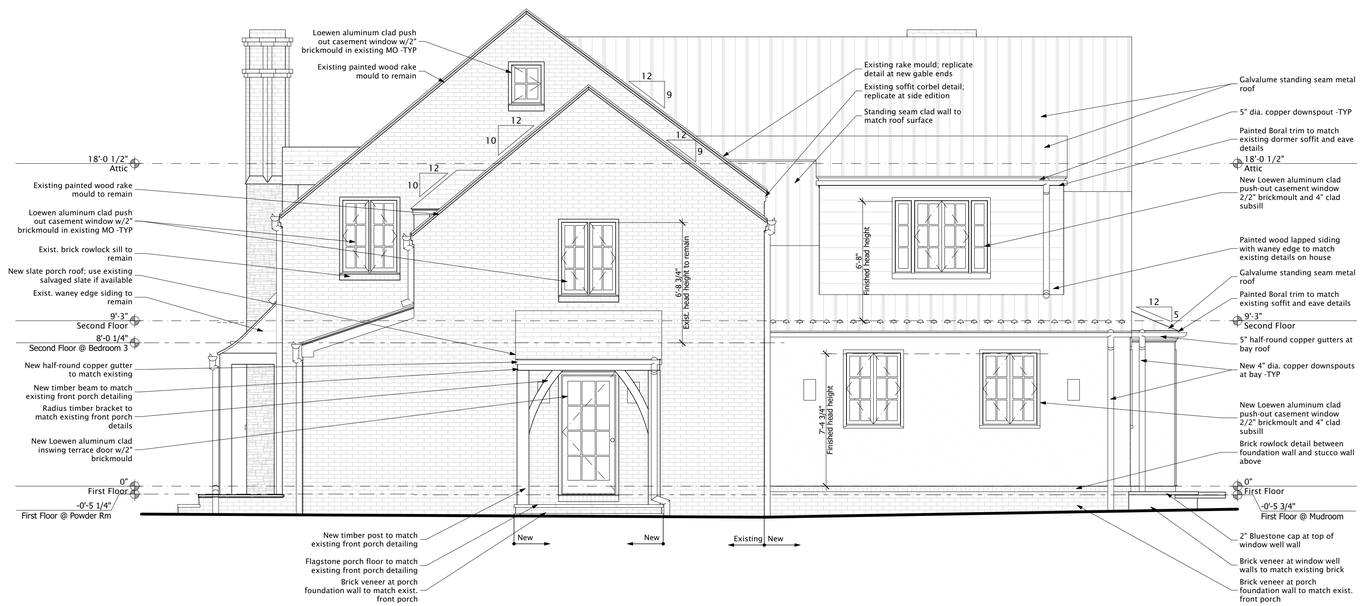
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Roof

A1-4



1 Front Elevation
1/4" = 1'-0"



2 Right Elevation
1/4" = 1'-0"

ANNE DECKER
ARCHITECTS

5019 Wilson Lane, Bethesda, MD 20814
(P) 301.652.0106 (F) 301.652.0125

WOLFF-MOTT RESIDENCE

7819 Overhill Rd Bethesda, MD 20814

HAWP SUBMISSION

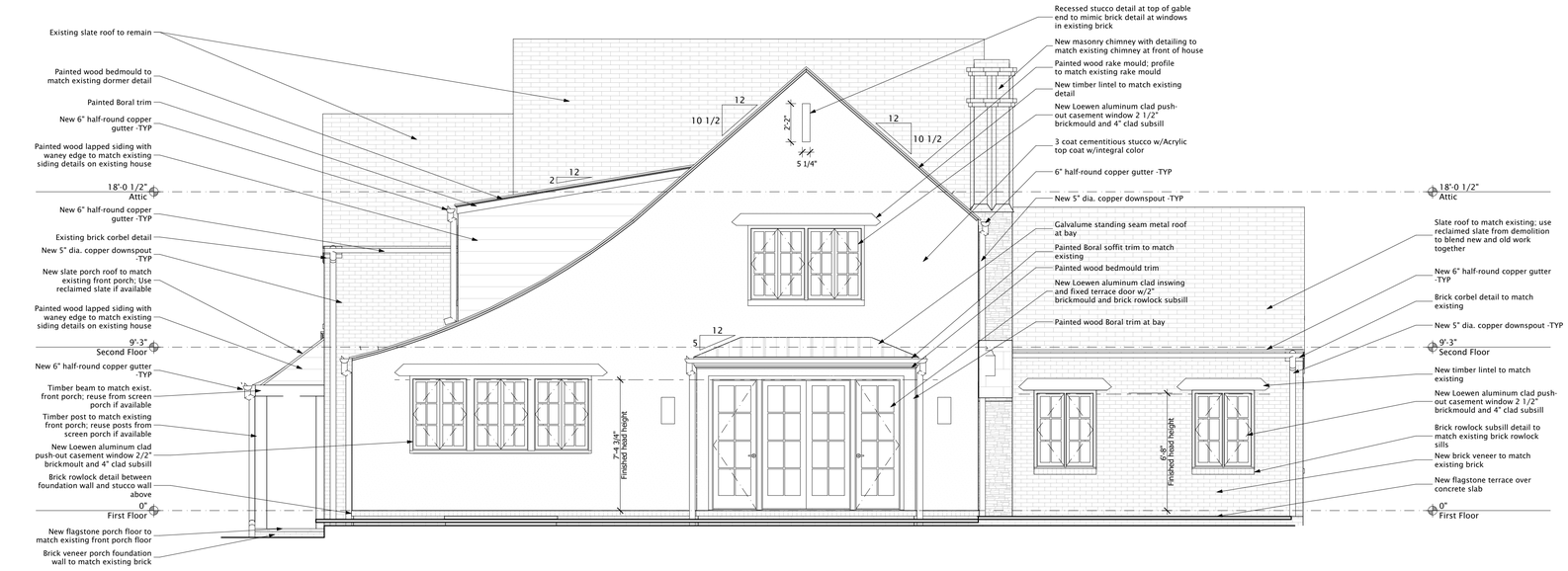
26 October 2022

No.	Date	Revision Notes

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Front and Right Elevations

A2-1



1 Rear Elevation
1/4" = 1'-0"



2 Left Elevation
1/4" = 1'-0"

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WOLFF-MOTT RESIDENCE

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Rear and Left Elevations

A2-2



1 Existing Front Elevation 1



2 Existing Front Elevation 2



3 Existing Right Elevation



4 Existing Rear Elevation



5 Existing Left Elevation

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WOLFF-MOTT RESIDENCE

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Existing Elevations

A3-1



1 Brick Rowlock Detail



2 Chimney Detail



3 Siding Detail



4 Timber Framing Detail



5 Existing Slate Roof

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WOLFF-MOTT RESIDENCE

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Precedent Photos

A3-2


TruExterior®
Siding & Trim



So Authentic. So Reliable. **Nothing Compares.**

TruExterior® Siding & Trim is a true innovation, invented to address issues common with other exterior products in the industry. It's a siding material that offers a high level of dimensional stability to help reduce expansion and contraction. Plus, TruExterior resists water, making it ideal for applications with ground or masonry contact. TruExterior gives builders the freedom to build beautiful homes with confidence.

Pictured: Shiplap, Channel Bevel
On the Cover: Nickel Gap, Channel





Phenomenal Performance.
Remarkable Workability.

TruExterior® Siding & Trim offers both and a lasting look while eliminating the need for gluing, gapping and other cumbersome and costly installation techniques.

APPLICATION
- Designed for use in non-structural applications
- Suitable for ground and masonry contact
- Can be used in moisture-prone areas
- Installation is the same regardless of the season

TOOLS
- Installed using proven woodworking tools and methods
- Carbide-tipped blades and bits are recommended for a longer tool life

FASTENING
- Accepts common high-quality, exterior-grade fasteners that are suitable for the local environment
- Can be fastened close to the edge
- No need for pre-drilling
- No mushrooming

DURABILITY
- WUI listed
- No need to prime ends or field cuts
- Resists rot and termite attacks*
- No excessive swelling*

PAINTING
- TruExterior® products come pre-primed and do require paint
- No need to prime end cuts
- Can be painted with any high-grade exterior paint when following the paint manufacturer's instructions
- Dimensionally stable, promoting long-lasting paint adhesions, even with dark colors*
- Virtually no moisture cycling, paint lasts longer than on wood*
- Traditional exterior-grade caulks or exterior-grade wood fillers are all acceptable for filling nail holes

BEAUTY
- Tighter gaps, minimal movement—it will move less than PVC and vinyl
- Truly historically accurate profiles—get the look of traditional, authentic wood profiles
- True look of cedar siding profiles, real architectural detail

WARRANTY
- 20 year limited warranty

*Please see TruExterior® Siding & Trim Limited Warranties and Product Data Sheets for proprietary test results, located at TruExterior.com. Always follow local building codes and construction best practices. See the complete Installation Guidelines for TruExterior® Siding & Trim at TruExterior.com.



Pictured: Channel Bevel



Pictured: Nickel Gap



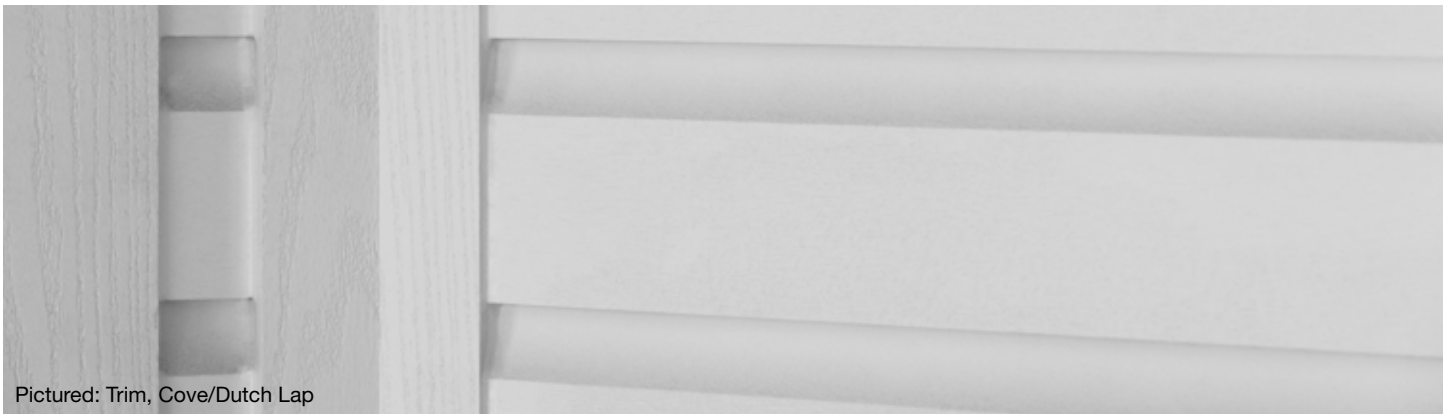
Pictured: Nickel Gap, Trim



Pictured: Channel, Board-and-Batten



Pictured: Nickel Gap, Board-and-Batten



Pictured: Trim, Cove/Dutch Lap



Pictured: Nickel Gap



Pictured: Cove/Dutch Lap



Pictured: Trim



Pictured: Cove/Dutch Lap

Craftsman Collection™

The TruExterior® Siding Craftsman Collection™ offers a variety of authentic, full-thickness profiles with bold, defined shapes and the natural aesthetic of traditional wood siding, all without the maintenance and upkeep associated with exterior wood products.

Historically and architecturally accurate profiles—Channel, Channel Bevel, Cove/Dutch Lap, Nickel Gap, Shiplap and V-Rustic—are the ideal solution for homeowners who desire the look, feel and character of authentic wood siding while avoiding rotting, excessive swelling and termite attacks.



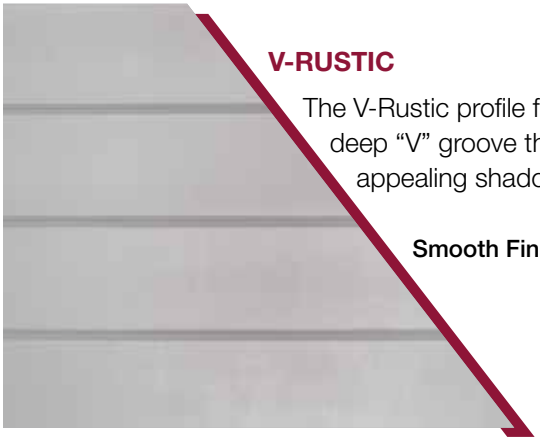






Pictured Top Left to Right: Channel Bevel, Nickel Gap

Pictured Bottom Left to Right: Nickel Gap, Channel Bevel

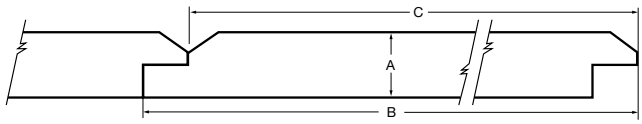


V-RUSTIC

The V-Rustic profile features a deep “V” groove that creates an appealing shadow line effect.

Smooth Finish

Nominal Size	Actual Thickness (A)	Actual Width (B)	Reveal (C)
1 x 6	11/16"	5-1/2"	5"
1 x 8	11/16"	7-1/2"	7"
1 x 10	11/16"	9-1/2"	9"



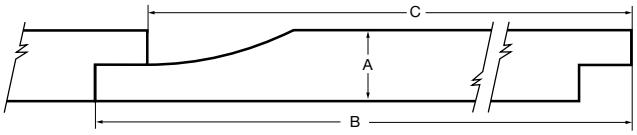


COVE/DUTCH LAP

The Cove/Dutch Lap profile features a subtle curve that creates a unique, eased appearance.

Smooth Finish

Nominal Size	Actual Thickness (A)	Actual Width (B)	Reveal (C)
1 x 6	11/16"	5-1/2"	4-31/32"
1 x 8	11/16"	7-1/4"	6-23/32"
1 x 10	11/16"	9-1/4"	8-23/32



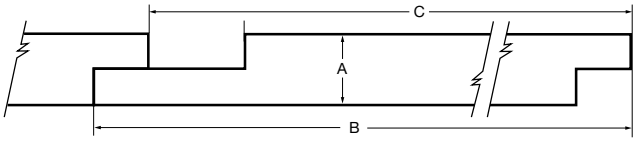


CHANNEL

The Channel profile’s wide groove creates a rich shadow line effect.

Smooth Finish

Nominal Size	Actual Thickness (A)	Actual Width (B)	Reveal (C)
1 x 6	11/16"	5-1/2"	4-31/32"
1 x 8	11/16"	7-1/4"	6-23/32"
1 x 10	11/16"	9-1/4"	8-23/32"



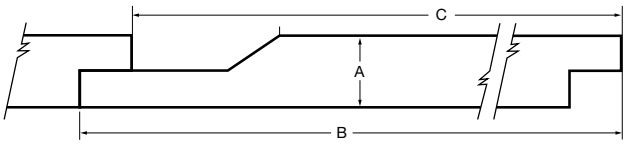


CHANNEL BEVEL

The Channel Bevel profile features a channel-style joint with an angled edge.

Smooth Finish

Nominal Size	Actual Thickness (A)	Actual Width (B)	Reveal (C)
1 x 6	11/16"	5-1/2"	4-31/32"
1 x 8	11/16"	7-1/2"	6-31/32"
1 x 10	11/16"	9-1/2"	8-31/32"



TruExterior Siding comes pre-primed and does require paint.

REVERSIBLE SHIPLAP-NICKEL GAP

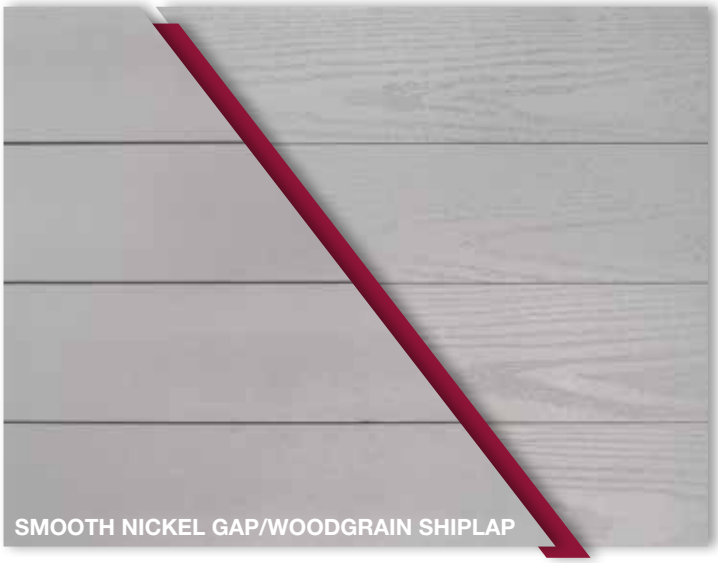
TruExterior Siding & Trim's Reversible Shiplap/Nickel Gap siding panels offer two authentic, on-trend looks in one for increased versatility and convenience. The profile comes in two formats: one features smooth Nickel Gap on one side and woodgrain Shiplap on the other; the second combines woodgrain Nickel Gap with smooth Shiplap on the flip side. A rabbeted edge ensures panels install with authentic spacing depending on which side is installed—the tight joint appearance of Shiplap or the nickel-sized space of Nickel Gap. Four widths are available for 16 total profile combinations.

Finish Options:

- *Smooth Nickel Gap with Woodgrain Shiplap*
- *Woodgrain Nickel Gap with Smooth Shiplap*



Pictured: Smooth Nickel Gap



SMOOTH NICKEL GAP/WOODGRAIN SHIPLAP



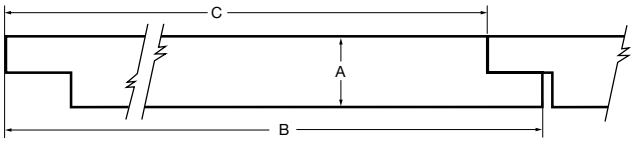
WOODGRAIN NICKEL GAP/SMOOTH SHIPLAP

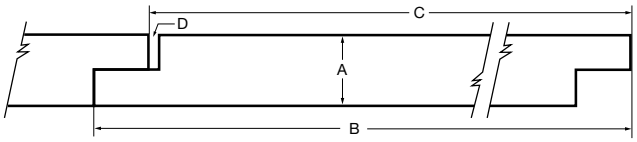
SHIPLAP GAP SIDE

Nominal Size	Actual Thickness (A)	Actual Width (B)	Reveal (C)
1 x 4	11/16"	3-1/2"	3-3/32"
1 x 6	11/16"	5-1/2"	5-3/32"
1 x 8	11/16"	7-1/4"	6-13/16"
1 x 10	11/16"	9-1/4"	8-13/16"

NICKEL GAP SIDE

Nominal Size	Actual Thickness (A)	Actual Width (B)	Reveal (C)	Gap (D)
1 x 4	11/16"	3-1/2"	3-3/32"	5/64"
1 x 6	11/16"	5-1/2"	5-3/32"	5/64"
1 x 8	11/16"	7-1/4"	6-13/16"	5/64"
1 x 10	11/16"	9-1/4"	8-13/16"	5/64"





TruExterior Siding comes pre-primed and does require paint.



Beadboard

Including single and double profiles, TruExterior® Beadboard is ideal for porch ceilings, soffits and decorative wall applications, and allows for a variety of installations, as it can be attached in either parallel or perpendicular directions.

Its “tongue-and-groove” design results in a clean look that can be reversed to offer a contemporary “V-groove” appearance.

Pictured: V-Groove Pattern



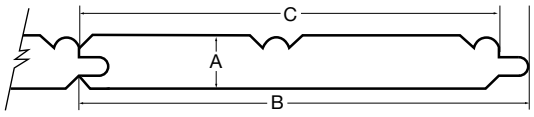
Pictured: Beaded Pattern

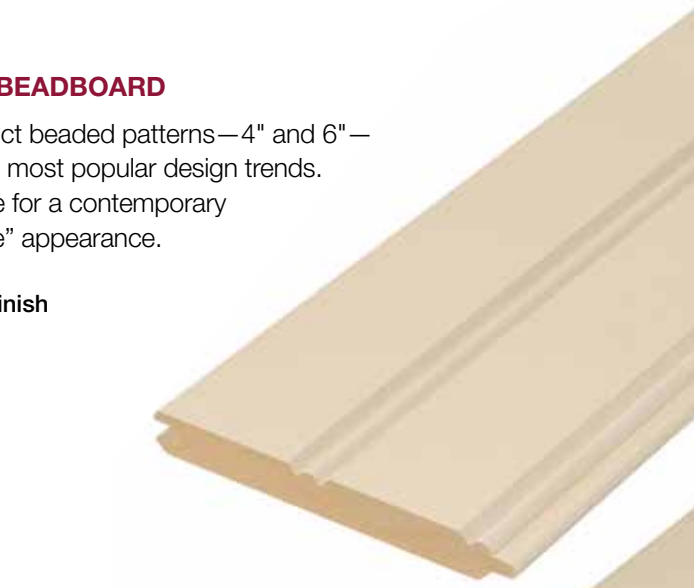
SINGLE BEADBOARD

Two distinct beaded patterns—4" and 6"—to suit the most popular design trends. Reversible for a contemporary "V-Groove" appearance.

Smooth Finish

Nominal Size	Actual Thickness (A)	Actual Width (B)	Reveal (C)
5/8 x 4	5/8"	3-15/32"	3-5/32"
5/8 x 6	5/8"	5-5/16"	4-15/16"



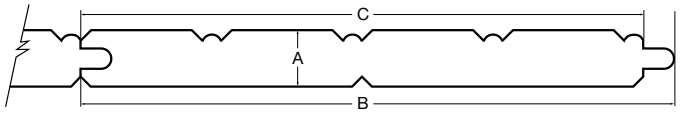


DOUBLE BEADBOARD

The same appearance as the single-profile products, but with twice the coverage. Reversible for a contemporary "V-Groove" appearance.

Smooth Finish

Nominal Size	Actual Thickness (A)	Actual Width (B)	Reveal (C)
5/8 x 8	5/8"	6-9/16"	6-7/32"
5/8 x 12	5/8"	10-1/4"	9-29/32"





TruExterior Beadboard comes pre-primed and does require paint.



Trim

Designed to be used in non-load-bearing applications, TruExterior® Trim is suitable for ground and masonry contact and moisture-prone areas, which makes it ideal for exterior trim applications such as fascia, door trim, soffits, rake boards and a variety of other applications. There is no need to prime ends or field cuts. Plus, it can be painted any color. TruExterior® Trim accepts common high-quality, exterior-grade fasteners and can be installed using standard woodworking tools and methods.





5/8 Trim Sizes		1X Trim Sizes		5/4 Trim Sizes		2X Trim Sizes	
Nominal	Actual	Nominal	Actual	Nominal	Actual	Nominal	Actual
—	—	—	—	—	—	2 x 2	1-1/2" x 1-1/2"
—	—	1 x 3	3/4" x 2-1/2"	5/4 x 3	1" x 2-1/2"	—	—
5/8 x 4	5/8" x 3-1/2"	1 x 4	3/4" x 3-1/2"	5/4 x 4	1" x 3-1/2"	2 x 4	1-1/2" x 3-1/2"
—	—	1 x 5	3/4" x 4-1/2"	5/4 x 5	1" x 4-1/2"	—	—
5/8 x 6	5/8" x 5-1/2"	1 x 6	3/4" x 5-1/2"	5/4 x 6	1" x 5-1/2"	2 x 6	1-1/2 x 5-1/2"
5/8 x 8	5/8" x 7-1/4"	1 x 8	3/4" x 7-1/4"	5/4 x 8	1" x 7-1/4"	2 x 8	1-1/2" x 7-1/4"
5/8 x 10	5/8" x 9-1/4"	1 x 10	3/4" x 9-1/4"	5/4 x 10	1" x 9-1/4"	2 x 10	1-1/2" x 9-1/4"
5/8 x 12	5/8" x 11-1/4"	1 x 12	3/4" x 11-1/4"	5/4 x 12	1" x 11-1/4"	2 x 12	1-1/2" x 11-1/4"

TruExterior® Trim is reversible with woodgrain on one side and a smooth finish on the reverse. Available in a 16' length.

Reversible Smooth/Woodgrain Finish

BOARD-AND-BATTEN SIDING

Whether a Modern Farmhouse design or creating accents on a gable, board-and-batten is one of the hottest trends in home exterior design. And it's easy to create the board-and-batten look using just TruExterior Trim.





TruExterior Trim comes pre-primed and does require paint.

Accessories

TruExterior® Siding & Trim Accessories make it easy to create polished, professional-looking siding and trim installations. Decorative yet functional, the poly-ash accessories are designed to go where other materials can't, making them the perfect complement to cedar, fiber cement and other traditional siding products, as they are suitable for ground and masonry contact.

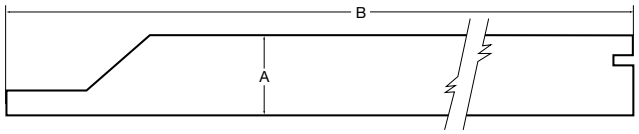


SKIRT BOARD

Provides a decorative yet functional way to create the required clearance between siding and grade.

Available Finishes:
- *Smooth*
- *Woodgrain*

Nominal Size	Actual Thickness (A)	Actual Width (B)
1 x 6	3/4"	5-1/2"
1 x 8	3/4"	7-1/4"
5/4 x 6	1"	5-1/2"
5/4 x 8	1"	7-1/4"



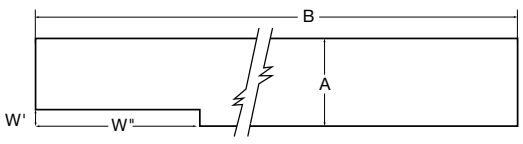


WINDOW POCKET RABBETED TRIM

The rabbeted groove helps trim to sit flush over the window's nailing flange, eliminating the need for cuts or shims.

Available Finishes:
- *Smooth*
- *Woodgrain*

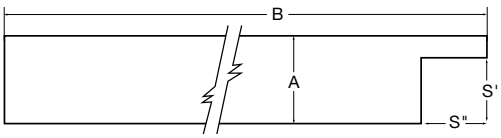
Nominal Size	Actual Thickness (A)	Actual Width (B)	Window Pocket (W' x W")
5/4 x 4	1"	3-1/2"	3/16" x 1-7/8"
5/4 x 6	1"	5-1/2"	3/16" x 1-7/8"
5/4 x 8	1"	7-1/4"	3/16" x 1-7/8"



TruExterior Accessories come pre-primed and do require paint.



Nominal Size	Actual Thickness (A)	Actual Width (B)	Siding Pocket (S' x S")
5/4 x 3	1"	2-1/2"	3/4" x 3/4"
5/4 x 4	1"	3-1/2"	3/4" x 3/4"
5/4 x 5	1"	4-1/2"	3/4" x 3/4"
5/4 x 6	1"	5-1/2"	3/4" x 3/4"
5/4 x 8	1"	7-1/4"	3/4" x 3/4"



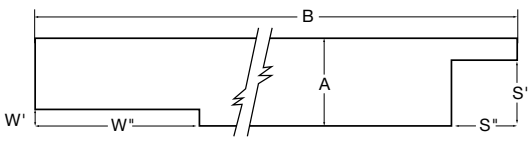
SIDING POCKET RABBETED TRIM

Perfect for end wall terminations, this trim with a 3/4" siding pocket accepts all TruExterior® Siding profiles.

Available Finishes:
- *Smooth*
- *Woodgrain*



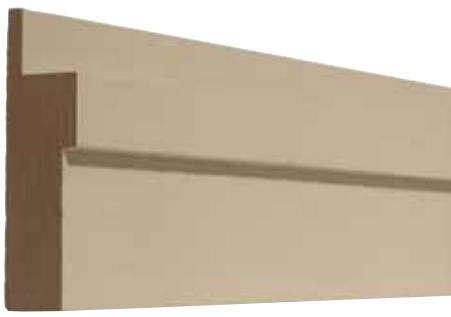
Nominal Size	Actual Thickness (A)	Actual Width (B)	Window Pocket (W' x W")	Siding Pocket (S' x S")
5/4 x 4	1"	3-1/2"	3/16" x 1-7/8"	3/4" x 3/4"
5/4 x 6	1"	5-1/2"	3/16" x 1-7/8"	3/4" x 3/4"
5/4 x 8	1"	7-1/4"	3/16" x 1-7/8"	3/4" x 3/4"



WINDOW AND SIDING POCKET RABBETED TRIM

The ultimate accessory to build a neat, professional-looking window surround.

Available Finishes:
- *Smooth*
- *Woodgrain*



TruExterior Accessories come pre-primed and do require paint.

TruExterior® Siding & Trim Reference Guide

SUSTAINABILITY

The sustainable properties of TruExterior® Siding & Trim are a result of a combination of proprietary polymer chemistry and highly refined, recovered coal combustion products (fly ash), which are endorsed by the U.S. Green Building Council (USGBC) for use in construction materials.

- Contains a minimum of 70% recycled content—verified by SCS Global Services

MINIMUM 70% RECYCLED CONTENT
PRE-CONSUMER

CODE LISTINGS

TruExterior® Siding & Trim have undergone rigorous internal and third-party testing to provide building officials, architects, contractors, specifiers, designers and others with reliable, high-performing products.

- California's Wildland-Urban Interface (WUI) listed—Beadboard, Siding, and Trim
- Texas Department of Insurance (TDI) EC-92—Siding
- Florida Building Code FL17285—Siding
- Intertek CCRR-0300

PROJECT ESTIMATOR

V-Rustic	
Nominal	Boards per square
1 x 6	15
1 x 8	11
1 x 10	9

Cove/Dutch Lap	
Nominal	Boards per square
1 x 6	15
1 x 8	12
1 x 10	9

Channel	
Nominal	Boards per square
1 x 6	15
1 x 8	12
1 x 10	9

Channel Bevel	
Nominal	Boards per square
1 x 6	15
1 x 8	11
1 x 10	9

Reversible Shiplap-Nickel Gap	
Nominal	Boards per square
1 x 4	24
1 x 6	15
1 x 8	11
1 x 10	9

Craftsman Collection™ Siding

V-Rustic	
	
Nominal	Actual
1 x 6	11/16" x 5-1/2"
1 x 8	11/16" x 7-1/2"
1 x 10	11/16" x 9-1/2"

Cove/Dutch Lap	
	
Nominal	Actual
1 x 6	11/16" x 5-1/2"
1 x 8	11/16" x 7-1/4"
1 x 10	11/16" x 9-1/4"

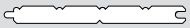
Channel	
	
Nominal	Actual
1 x 6	11/16” x 5-1/2”
1 x 8	11/16” x 7-1/4”
1 x 10	11/16" x 9-1/4"

Channel Bevel	
	
Nominal	Actual
1 x 6	11/16" x 5-1/2"
1 x 8	11/16" x 7-1/2"
1 x 10	11/16" x 9-1/2"

Reversible Shiplap-Nickel Gap	
	
Nominal	Actual
1 x 4	11/16" x 3-1/2"
1 x 6	11/16" x 5-1/2"
1 x 8	11/16" x 7-1/4"
1 x 10	11/16" x 9-1/4"

Beadboard

Single	
	
Nominal Size	Actual
5/8 x 4	5/8" x 3-15/32"
5/8 x 6	5/8" x 5-5/16"

Double	
	
Nominal	Actual
5/8 x 8	5/8" x 6-9/16"
5/8 x 12	5/8" x 10-1/4"

Trim

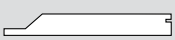
5/8 Trim Sizes	
Nominal	Actual
—	—
—	—
5/8 x 4	5/8" x 3-1/2"
—	—
5/8 x 6	5/8" x 5-1/2"
5/8 x 8	5/8" x 7-1/4”
5/8 x 10	5/8" x 9-1/4"
5/8 x 12	5/8" x 11-1/4"

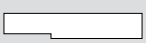
1X Trim Sizes	
Nominal	Actual
—	—
1 x 3	3/4" x 2-1/2"
1 x 4	3/4" x 3-1/2"
1 x 5	3/4" x 4-1/2"
1 x 6	3/4" x 5-1/2"
1 x 8	3/4" x 7-1/4"
1 x 10	3/4" x 9-1/4"
1 x 12	3/4" x 11-1/4"

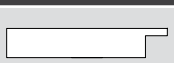
5/4 Trim Sizes	
Nominal	Actual
—	—
5/4 x 3	1" x 2-1/2"
5/4 x 4	1" x 3-1/2"
5/4 x 5	1" x 4-1/2"
5/4 x 6	1" x 5-1/2"
5/4 x 8	1" x 7-1/4"
5/4 x 10	1" x 9-1/4"
5/4 x 12	1" x 11-1/4"

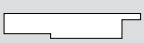
2X Trim Sizes	
Nominal	Actual
2 x 2	1-1/2" x 1-1/2"
—	—
2 x 4	1-1/2" x 3-1/2"
—	—
2 x 6	1-1/2" x 5-1/2"
2 x 8	1-1/2" x 7-1/4"
2 x 10	1-1/2" x 9-1/4"
2 x 12	1-1/2" x 11-1/4"

Accessories

Skirt Board	
	
Nominal	Actual
1 x 6	3/4" x 5-1/2"
1 x 8	3/4" x 7-1/4"
5/4 x 6	1" x 5-1/2"
5/4 x 8	1" x 7-1/4"

Window Pocket Rabbeted Trim	
	
Nominal	Actual
5/4 x 4	1" x 3-1/2"
5/4 x 6	1" x 5-1/2"
5/4 x 8	1" x 7-1/4"

Siding Pocket Rabbeted Trim	
	
Nominal	Actual
5/4 x 3	1" x 2-1/2"
5/4 x 4	1" x 3-1/2"
5/4 x 5	1" x 4-1/2"
5/4 x 6	1" x 5-1/2"
5/4 x 8	1" x 7-1/4"

Window and Siding Pocket Rabbeted Trim	
	
Nominal	Actual
5/4 x 4	1" x 3-1/2"
5/4 x 6	1" x 5-1/2"
5/4 x 8	1" x 7-1/4"

Note: All TruExterior® Siding, Trim, Beadboard and Accessory products are available in standard 16' length.



TruExterior®
Siding & Trim

TruExterior.com | 800-521-8486

Made in the USA

Westlake
Royal Building Products™
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SIDING & ACCESSORIES
TRIM & MOULDINGS
ROOFING
STONE
WINDOWS
OUTDOOR LIVING

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Item # 301000 | 20048341 2/22



ARCHITECTURAL SYSTEM FOR COMMERCIAL AND RESIDENTIAL

1-1/2" ARCHITECTURAL SNAP-LOCK PANEL SYSTEM

Englert's Series 1000 system is designed for sloped roofs and other exterior surfaces of light commercial and residential projects. The 1000 profile, with concealed clips and fasteners, requires no mechanical seaming or separate seam cap. The narrow standing seam can be notched and bent to provide a smooth transition from roof to fascia or mansard. Knee caps are applied over the notched seams to create visual continuity.

SYSTEM APPLICATIONS

- Light duty for residential and commercial use
- 3"/12" minimum slope
- Must be installed over a solid deck

SUBSTRATES

- 26 and 24 gauge steel
- .032" aluminum

ENERGY STAR PARTNER



FINISHES

Englert's Series 1000 system is available in a wide variety of coatings and colors. See the Englert color card for our full range of standard colors and paint system specifications.

Englert can match the color of virtually any material – including brick, wood and fabric – with short lead times as needed. Custom colors are available in quantities as low as 5,000 lbs. on steel or aluminum.

SYSTEM WARRANTIES

- Galvalume Plus® – 25-year steel warranty on acrylic coated Galvalume®
- PermaColor 2000 – 30-year steel or aluminum warranty on Kynar 500®/Hylar 5000® coating
- PermaMetallic 2000 – 20-year steel or aluminum warranty on Kynar 500®/Hylar 5000® coating
- Siliconized Modified Polyester – 15-year steel or aluminum coating warranty

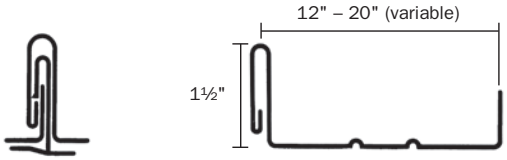
RATINGS AND CERTIFICATIONS

- UL-90 rated over 5/8" plywood at 20" wide with clips at 18" o.c. (24 ga. steel)
- ASTM-E-84 Class A fire rating on coating and substrate
- Metro-Dade County wind driven rain tested at 70 mph

Distributed by:



Series 1000 1-1/2" Snap-Lock



Seam

Panel
(Ribs & Striations Optional)



Kynar 500® is a registered trademark of Atochem. N.A.
Hylar 5000® is a registered trademark of Ausimont USA
Galvalume® and Galvalume Plus® are registered trademarks of BIEC International, Inc.

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CASEMENT WINDOWS

Technical Guide B

FEATURES & SPECIFICATIONS

Styles

Traditional, Push Out and Mission® options.

Standard Features

- Natural, clear Douglas Fir interior (no visible finger joints)
- 4 9/16” (116 mm) jamb construction
- LowE insulated glazing with 1/2” (13 mm) airspace
- Roto gear operator and concealed sash locks
- Extruded aluminum cladding in a variety of standard colors, primed wood or clear fir exterior
- Flexible continuous weatherstrip system
- Insect screens
- Metal handle, cover and locks

Hardware

Operator and sash locks are available in a variety of types and finishes, see section A. Standard Casement sash opens out to nearly 90 degrees for ease of cleaning. The roto gear operator will hold the sash at any position in its operating radius. The sash is supported by concealed heavy duty hinges. All steel components are coated for superior corrosion protection.

Glazing

LowE Double, LowE Triple, Tranquility® and StormForce™. StormForce is not available on all products. Double or triple glass configurations with 1/2” (13 mm) airspace. With countless glazing configurations and LowE coating options, we ensure that you can choose the perfect blend of protection and comfort. LowE best describes the benefits of the product that incorporates glazing coatings and Argon gas. LowE systems help reduce heating and cooling costs, providing superior energy efficiency.



Traditional



Push Out Casement



Mission® Casement

FEATURES & SPECIFICATIONS

Simulated Divided Lites (SDL)

Standard SDL complete with airspace grilles, where available. Grille bars are permanently applied to the interior and exterior.

Ogee Profile – 3/4” (19 mm), 1 1/8” (30 mm), 2” (51 mm)

Putty Profile – 5/8” (16 mm), 7/8” (22 mm), 1 1/8” (30 mm), 2” (51 mm)

Square Profile (interior only) – 5/8” (16mm), 3/4” (19 mm), 7/8” (22 mm), 1 1/8” (30 mm), 2” (51 mm)

Casing

Wood: 2” (51 mm) Brickmould, 3 1/2” (89 mm) Flat, 5 1/2” (139 mm) Flat, Adams and Williamsburg.

Metal Clad: 2” (51 mm) Brickmould, 3 1/2” (89 mm) Flat, 2” clad frame extension, Nose & Cove, Adams, Williamsburg and Kerf.

Metal Cladding

Heavy duty exterior metal cladding comprised of extruded aluminum is available in a variety of Palette colors, including anodized and Cyprium (copper and bronze cladding). Metal clad units are supplied ready-to-install complete with integral metal nailing flange.

Wood

In addition to our standard Coastal Douglas Fir, the entire Loewen product line is also available in optional Mahogany. The interior can be natural wood (unfinished), primed, or prefinished in Jet Black or Oxford White paint. Additional wood species, as well as the Jet Black and Oxford White prefinishes, are available through our Custom Shop. All wood parts are dipped in approved preservative.

Performance Standards

Most units have been tested by an independent laboratory for air and water infiltration, structural performance, and thermal performance requirements.

Frame & Sash

Manufactured from Coastal Douglas Fir kiln-dried lumber with frame construction designed for 4 9/16” (116 mm) jamb. All wood exterior components are factory primed unless specified as clear exterior. Minor scratches or abrasions in the wood surface or primer are not considered defects.

Double Weatherstrip

The combination of a continuous, flexible foam weatherstrip and a flexible automotive type bulb weatherstrip ensures maximum energy efficiency and protection against air and water infiltration.

FEATURES & SPECIFICATIONS

Screen

Screens available in Alpine White, White, Linen, Tuscany Brown, Midnight Bronze, Steel Matte Black, Bronze, or Brushed Aluminum frame, screened with anti-glare fiberglass cloth. Wood-framed screens and High Transparency mesh available. Optional Retractable Screen and Swinging Screen available. Swinging Screen available on Push Out models only.

Egress

Consult local building codes for confirmation of size requirements for your area. Special egress hardware is available for Casement windows, which enables some sizes to meet egress codes, eliminating the need to go to the next larger size window. Consult your Authorized Loewen Dealer for more details.

Hardware Styles	Traditional Casement	Mission® Casement	French Casement	Push Out Casement
Folding Crank Handle	●	●		
Push Out Handle			●	●
Multipoint Lock	●	●	●	●

Standard ● **Optional** ○ Finish Options: Refer to Section A.

Variables	Traditional Casement	Mission® Casement	French Casement	Push Out Casement
Function				
Use for Egress	●	●	●	●
Available with Screen	●	●	●	●
Concealed Hardware	●	●	●	
Performance				
LowE Double	●	●	●	●
LowE Triple	○	○	○	○
StormForce™	○	○		○
Appearance				
SDL	○	○	○	○

Visit the Loewen Photo Gallery online at www.loewen.com for a large collection of Loewen product and elevation photography.

Numerous custom window configuration opportunities exist – please contact your Authorized Loewen Dealer.

Specifications and technical information are subject to change without notice. Imperial and metric measurements are converted accurately. However, in some cases, industry standards cause a 1 mm variance. (Example: 3/4" is shown as 19 mm for all glass measurements.) CAD Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

Casement
1 Wide Window Sizes

Width

Rough Opening				16 1/2 [419]	20 7/16 [519]	24 3/8 [619]	28 5/16 [719]	30 1/4 [769]	32 1/4 [819]	36 3/16 [919]
		Frame		15 3/4 [400]	19 11/16 [500]	23 5/8 [600]	27 9/16 [700]	29 1/2 [750]	31 1/2 [800]	35 7/16 [900]
Wood Exterior	Metal Clad		Visible Glass	9 3/4 [247]	13 11/16 [347]	17 5/8 [447]	21 9/16 [547]	23 1/2 [597]	25 1/2 [647]	29 7/16 [747]
25 1/16 [636]	24 3/8 [619]	23 5/8 [600]	17 3/8 [442]	CA1 0406	CA1 0506	CA1 0606	CA1 0706	CA1 7506		
29 [736]	28 5/16 [719]	27 9/16 [700]	21 5/16 [542]	CA1 0407	CA1 0507	CA1 0607	CA1 0707	CA1 7507	♣ CA1 0807	
30 15/16 [786]	30 1/4 [769]	29 1/2 [750]	23 5/16 [592]	CA1 0475	CA1 0575	CA1 0675	CA1 0775	♣ CA1 7575	♣ CA1 0875	
32 15/16 [836]	32 1/4 [819]	31 1/2 [800]	25 1/4 [642]	CA1 0408	CA1 0508	CA1 0608	♣ CA1 0708	♣ CA1 7508	♣ CA1 0808	♣ CA1 0908
36 7/8 [936]	36 3/16 [919]	35 7/16 [900]	29 3/16 [742]	CA1 0409	CA1 0509	CA1 0609	♣ CA1 0709	♣ CA1 7509	♣ CA1 0809	★♣ CA1 0909
40 13/16 [1036]	40 1/8 [1019]	39 3/8 [1000]	33 1/8 [842]	CA1 0410	CA1 0510	♣ CA1 0610	♣ CA1 0710	♣ CA1 7510	★♣ CA1 0810	★♣ CA1 0910
42 11/16 [1084]	42 [1067]	41 1/4 [1048]	35 1/16 [890]	CA1 0411	CA1 0511	♣ CA1 0611	♣ CA1 0711	★♣ CA1 7511	★♣ CA1 0811	★♣ CA1 0911
48 11/16 [1236]	48 [1219]	47 1/4 [1200]	41 [1042]	CA1 0412	CA1 0512	♣ CA1 0612	★♣ CA1 0712	★♣ CA1 7512	★♣ CA1 0812	★♣ CA1 0912
56 9/16 [1436]	55 7/8 [1419]	55 1/8 [1400]	48 7/8 [1242]	CA1 0414	CA1 0514	♣ CA1 0614	★♣ CA1 0714	★♣ CA1 7514	★♣ CA1 0814	★♣ CA1 0914
60 1/2 [1536]	59 13/16 [1519]	59 1/16 [1500]	52 13/16 [1342]	CA1 0415	CA1 0515	♣ CA1 0615	★♣ CA1 0715	★♣ CA1 7515	★♣ CA1 0815	★♣ CA1 0915
64 7/16 [1636]	63 3/4 [1619]	63 [1600]	56 3/4 [1442]	CA1 0416	CA1 0516	♣ CA1 0616	★♣ CA1 0716	★♣ CA1 7516	★♣ CA1 0816	★♣ CA1 0916
72 5/16 [1836]	71 5/8 [1819]	70 7/8 [1800]	64 5/8 [1642]	CA1 0418	CA1 0518	♣ CA1 0618	★♣ CA1 0718	★♣ CA1 7518	★♣ CA1 0818	★♣ CA1 0918
84 1/8 [2136]	83 7/16 [2119]	82 11/16 [2100]	76 7/16 [1942]	CA1 0421	CA1 0521	♣ CA1 0621	★♣ CA1 0721	★♣ CA1 7521	★♣ CA1 0821	★♣ CA1 0921

Height

New oversized CA operator up to CA1 1224
- watch for sizes where temp, tri sash, sash stabilizer etc. are read
- roto only
- rectanguler

Product Code

Glass Size = Visible Glass + 15/16" (24 mm)

Standard sizes Shown. Additional sizes may be available. Custom sizes can be ordered.

Note:
- Available with Mission sash. For a unit with a Mission sash, subtract 13/16" (21 mm) from the vertical visible glass measurement.
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- Available with Push Out hardware.
- For Masonry opening information see page Section A.
- Sizes are shown as double glazing, not all sizes may be available in triple glazing.
- Egress calculations are based on a 20" width opening. Opening does not open a full 90°.
  - ★ Meets US Egress: 20" in width, 24" in height, with a total egress area of 5.7 Sq Ft.
  - ♣ Meets Canadian Egress: 15" in width, 15" in height, with a total egress area of 3.8 Sq Ft.
- Please check your local building codes for any variation in Egress Standards from those stated above. For egress information, contact your Authorized Loewen Dealer.

Casement
2 Wide Window Sizes

Width

Rough Opening				32 1/4 [819]	40 1/8 [1019]	48 [1219]	55 7/8 [1419]	59 13/16 [1519]	63 3/4 [1619]	71 5/8 [1819]
		Frame		31 1/2 [800]	39 3/8 [1000]	47 1/4 [1200]	55 1/8 [1400]	59 1/16 [1500]	63 [1600]	70 7/8 [1800]
Wood Exterior	Metal Clad		Visible Glass	9 3/4 [247]	13 11/16 [347]	17 5/8 [447]	21 9/16 [547]	23 1/2 [597]	25 1/2 [647]	29 7/16 [747]
25 1/16 [636]	24 3/8 [619]	23 5/8 [600]	17 3/8 [442]	CA2 0806	CA2 1006	CA2 1206	CA2 1406	CA2 1506		
29 [736]	28 5/16 [719]	27 9/16 [700]	21 5/16 [542]	CA2 0807	CA2 1007	CA2 1207	CA2 1407	CA2 1507	CA2 1607	
30 15/16 [786]	30 1/4 [769]	29 1/2 [750]	23 5/16 [592]	CA2 0875	CA2 1075	CA2 1275	CA2 1475	CA2 1575	CA2 1675	
32 15/16 [836]	32 1/4 [819]	31 1/2 [800]	25 1/4 [642]	CA2 0808	CA2 1008	CA2 1208	CA2 1408	CA2 1508	CA2 1608	CA2 1808
36 7/8 [936]	36 3/16 [919]	35 7/16 [900]	29 3/16 [742]	CA2 0809	CA2 1009	CA2 1209	CA2 1409	CA2 1509	CA2 1609	CA2 1809
40 13/16 [1036]	40 1/8 [1019]	39 3/8 [1000]	33 1/8 [842]	CA2 0810	CA2 1010	CA2 1210	CA2 1410	CA2 1510	CA2 1610	CA2 1810
42 11/16 [1084]	42 [1067]	41 1/4 [1048]	35 1/16 [890]	CA2 0811	CA2 1011	CA2 1211	CA2 1411	CA2 1511	CA2 1611	CA2 1811
48 11/16 [1236]	48 [1219]	47 1/4 [1200]	41 [1042]	CA2 0812	CA2 1012	CA2 1212	CA2 1412	CA2 1512	CA2 1612	CA2 1812
56 9/16 [1436]	55 7/8 [1419]	55 1/8 [1400]	48 7/8 [1242]	CA2 0814	CA2 1014	CA2 1214	CA2 1414	CA2 1514	CA2 1614	CA2 1814
60 1/2 [1536]	59 13/16 [1519]	59 1/16 [1500]	52 13/16 [1342]	CA2 0815	CA2 1015	CA2 1215	CA2 1415	CA2 1515	CA2 1615	CA2 1815
64 7/16 [1636]	63 3/4 [1619]	63 [1600]	56 3/4 [1442]	CA2 0816	CA2 1016	CA2 1216	CA2 1416	CA2 1516	CA2 1616	CA2 1816
72 5/16 [1836]	71 5/8 [1819]	70 7/8 [1800]	64 5/8 [1642]	CA2 0818	CA2 1018	CA2 1218	CA2 1418	CA2 1518	CA2 1618	CA2 1818
84 1/8 [2136]	83 7/16 [2119]	82 11/16 [2100]	76 7/16 [1942]	CA2 0821	CA2 1021	CA2 1221	CA2 1421	CA2 1521	CA2 1621	CA2 1821

Height

Product Code

Glass Size = Visible Glass + 15/16" (24 mm)

Standard sizes Shown. Additional sizes may be available. Custom sizes can be ordered.

Note:
- Available with Mission sash. For a unit with a Mission sash, subtract 13/16" (21 mm) from the vertical visible glass measurement.
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- Available with Push Out hardware.
- For Masonry opening information see page Section A.
- Sizes are shown as double glazing, not all sizes may be available in triple glazing.
- Egress calculations are based on a 20" width opening. Opening does not open a full 90°.
  - ★ Meets US Egress: 20" in width, 24" in height, with a total egress area of 5.7 Sq Ft.
  - ♣ Meets Canadian Egress: 15" in width, 15" in height, with a total egress area of 3.8 Sq Ft.
- Please check your local building codes for any variation in Egress Standards from those stated above. For egress information, contact your Authorized Loewen Dealer.

Fixed Casement Window Sizes

Width

Rough Opening				12 9/16 [319]	16 1/2 [419]	20 7/16 [519]	24 3/8 [619]	28 5/16 [719]	30 1/4 [769]	32 1/4 [819]	36 3/16 [919]	40 1/8 [1019]	42 [1067]	48 [1219]
		Frame		11 13/16 [300]	15 3/4 [400]	19 11/16 [500]	23 5/8 [600]	27 9/16 [700]	29 1/2 [750]	31 1/2 [800]	35 7/16 [900]	39 3/8 [1000]	41 1/4 [1048]	47 1/4 [1200]
Wood Exterior	Metal Clad		Visible Glass	5 13/16 [147]	9 3/4 [247]	13 11/16 [347]	17 5/8 [447]	21 9/16 [547]	23 1/2 [597]	25 1/2 [647]	29 7/16 [747]	33 3/8 [847]	35 1/4 [895]	41 1/4 [1047]
13 1/4 [336]	12 9/16 [319]	11 13/16 [300]	5 9/16 [142]	CA1 0303	CA1 0403	CA1 0503	CA1 0603	CA1 0703	CA1 7503	CA1 0803	CA1 0903	CA1 1003	CA1 1103	CA1 1203
17 3/16 [436]	16 1/2 [419]	15 3/4 [400]	9 1/2 [242]	CA1 0304	CA1 0404	CA1 0504	CA1 0604	CA1 0704	CA1 7504	CA1 0804	CA1 0904	CA1 1004	CA1 1104	CA1 1204
21 1/8 [536]	20 7/16 [519]	19 11/16 [500]	13 7/16 [342]	CA1 0305	CA1 0405	CA1 0505	CA1 0605	CA1 0705	CA1 7505	CA1 0805	CA1 0905	CA1 1005	CA1 1105	CA1 1205
25 1/16 [636]	24 3/8 [619]	23 5/8 [600]	17 3/8 [442]	CA1 0306	CA1 0406	CA1 0506	CA1 0606	CA1 0706	CA1 7506	CA1 0806	CA1 0906	CA1 1006	CA1 1106	CA1 1206
29 [736]	28 5/16 [719]	27 9/16 [700]	21 5/16 [542]	CA1 0307	CA1 0407	CA1 0507	CA1 0607	CA1 0707	CA1 7507	CA1 0807	CA1 0907	CA1 1007	CA1 1107	CA1 1207
30 15/16 [786]	30 1/4 [769]	29 1/2 [750]	23 5/16 [592]	CA1 0375	CA1 0475	CA1 0575	CA1 0675	CA1 0775	CA1 7575	CA1 0875	CA1 0975	CA1 1075	CA1 1175	CA1 1275
32 15/16 [836]	32 1/4 [819]	31 1/2 [800]	25 1/4 [642]	CA1 0308	CA1 0408	CA1 0508	CA1 0608	CA1 0708	CA1 7508	CA1 0808	CA1 0908	CA1 1008	CA1 1108	CA1 1208
36 7/8 [936]	36 3/16 [919]	35 7/16 [900]	29 3/16 [742]	CA1 0309	CA1 0409	CA1 0509	CA1 0609	CA1 0709	CA1 7509	CA1 0809	CA1 0909	CA1 1009	CA1 1109	CA1 1209
40 13/16 [1036]	40 1/8 [1019]	39 3/8 [1000]	33 1/8 [842]	CA1 0310	CA1 0410	CA1 0510	CA1 0610	CA1 0710	CA1 7510	CA1 0810	CA1 0910	CA1 1010	CA1 1110	CA1 1210
42 11/16 [1084]	42 [1067]	41 1/4 [1048]	35 1/16 [890]	CA1 0311	CA1 0411	CA1 0511	CA1 0611	CA1 0711	CA1 7511	CA1 0811	CA1 0911	CA1 1011	CA1 1111	CA1 1211
48 11/16 [1236]	48 [1219]	47 1/4 [1200]	41 [1042]	CA1 0312	CA1 0412	CA1 0512	CA1 0612	CA1 0712	CA1 7512	CA1 0812	CA1 0912	CA1 1012	CA1 1112	CA1 1212
56 9/16 [1436]	55 7/8 [1419]	55 1/8 [1400]	48 7/8 [1242]	CA1 0314	CA1 0414	CA1 0514	CA1 0614	CA1 0714	CA1 7514	CA1 0814	CA1 0914	CA1 1014	CA1 1114	CA1 1214
60 1/2 [1536]	59 13/16 [1519]	59 1/16 [1500]	52 13/16 [1342]	CA1 0315	CA1 0415	CA1 0515	CA1 0615	CA1 0715	CA1 7515	CA1 0815	CA1 0915	CA1 1015	CA1 1115	CA1 1215
64 7/16 [1636]	63 3/4 [1619]	63 [1600]	56 3/4 [1442]	CA1 0316	CA1 0416	CA1 0516	CA1 0616	CA1 0716	CA1 7516	CA1 0816	CA1 0916	CA1 1016	CA1 1116	CA1 1216
72 5/16 [1836]	71 5/8 [1819]	70 7/8 [1800]	64 5/8 [1642]	CA1 0318	CA1 0418	CA1 0518	CA1 0618	CA1 0718	CA1 7518	CA1 0818	CA1 0918	CA1 1018	CA1 1118	CA1 1218
80 3/16 [2036]	79 1/2 [2019]	78 3/4 [2000]	72 1/2 [1842]	CA1 0320	CA1 0420	CA1 0520	CA1 0620	CA1 0720	CA1 7520	CA1 0820	CA1 0920	CA1 1020	CA1 1120	CA1 1220
84 1/8 [2136]	83 7/16 [2119]	82 11/16 [2100]	76 7/16 [1942]	CA1 0321	CA1 0421	CA1 0521	CA1 0621	CA1 0721	CA1 7521	CA1 0821	CA1 0921	CA1 1021	CA1 1121	CA1 1221
91 15/16 [2336]	91 5/16 [2319]	90 9/16 [2300]	84 5/16 [2142]	CA1 0323	CA1 0423	CA1 0523	CA1 0623	CA1 0723	CA1 7523	CA1 0823	CA1 0923	CA1 1023	CA1 1123	CA1 1223
95 15/16 [2436]	95 1/4 [2419]	94 1/2 [2400]	88 1/4 [2242]	CA1 0324	CA1 0424	CA1 0524	CA1 0624	CA1 0724	CA1 7524	CA1 0824	CA1 0924	CA1 1024	CA1 1124	CA1 1224
103 3/4 [2636]	103 1/8 [2619]	102 3/8 [2600]	96 1/8 [2442]					CA1 0726	CA1 7526	CA1 0826	CA1 0926	CA1 1026	CA1 1126	CA1 1226
111 5/8 [2836]	111 [2819]	110 1/4 [2800]	104 [2642]					CA1 0728	CA1 7528	CA1 0828	CA1 0928	CA1 1028	CA1 1128	CA1 1228
119 1/2 [3036]	118 7/8 [3019]	118 1/8 [3000]	111 7/8 [2842]					CA1 0730	CA1 7530	CA1 0830	CA1 0930	CA1 1030	CA1 1130	CA1 1230

Height

Product Code

Standard sizes Shown. Additional sizes may be available. Custom sizes can be ordered.

Glass Size = Visible Glass + 15/16" (24 mm)

Note:
- Available with Mission sash. For a unit with a Mission sash, subtract 13/16" (21 mm) from the vertical visible glass measurement.
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- For Masonry opening information see page Section A.
- Sizes are shown as double glazing, not all sizes may be available in triple glazing.

Fixed Casement Window Sizes

Width

Rough Opening				55 7/8" [1419]	59 13/16" [1519]	63 3/4" [1619]	71 5/8" [1819]	79 1/2" [2019]	83 7/16" [2119]	91 5/16" [2319]	95 1/4" [2419]	103 1/8" [2619]	111" [2819]	118 7/8" [3019]
		Frame		55 1/8" [1400]	59 1/16" [1500]	63" [1600]	70 7/8" [1800]	78 3/4" [2000]	82 11/16" [2100]	90 9/16" [2300]	94 1/2" [2400]	102 3/8" [2600]	110 1/4" [2800]	118 1/8" [3000]
Wood Exterior	Metal Clad		Visible Glass	49 1/8" [1247]	53 1/16" [1347]	56 15/16" [1447]	64 13/16" [1647]	72 11/16" [1847]	76 5/8" [1947]	84 1/2" [2147]	88 7/16" [2247]	96 5/16" [2447]	104 3/16" [2647]	112 1/16" [2847]
13 1/4" [336]	12 9/16" [319]	11 13/16" [300]	5 9/16" [142]	CA1 1403	CA1 1503	CA1 1603	CA1 1803	CA1 2003	CA1 2103	CA1 2303	CA1 2403			
17 3/16" [436]	16 1/2" [419]	15 3/4" [400]	9 1/2" [242]	CA1 1404	CA1 1504	CA1 1604	CA1 1804	CA1 2004	CA1 2104	CA1 2304	CA1 2404	CA1 2604		
21 1/8" [536]	20 7/16" [519]	19 11/16" [500]	13 7/16" [342]	CA1 1405	CA1 1505	CA1 1605	CA1 1805	CA1 2005	CA1 2105	CA1 2305	CA1 2405	CA1 2605	CA1 2805	CA1 3005
25 1/16" [636]	24 3/8" [619]	23 5/8" [600]	17 3/8" [442]	CA1 1406	CA1 1506	CA1 1606	CA1 1806	CA1 2006	CA1 2106	CA1 2306	CA1 2406	CA1 2606	CA1 2806	CA1 3006
29" [736]	28 5/16" [719]	27 9/16" [700]	21 5/16" [542]	CA1 1407	CA1 1507	CA1 1607	CA1 1807	CA1 2007	CA1 2107	CA1 2307	CA1 2407	CA1 2607	CA1 2807	CA1 3007
30 15/16" [786]	30 1/4" [769]	29 1/2" [750]	23 5/16" [592]	CA1 1475	CA1 1575	CA1 1675	CA1 1875	CA1 2075	CA1 2175	CA1 2375	CA1 2475	CA1 2675	CA1 2875	CA1 3075
32 15/16" [836]	32 1/4" [819]	31 1/2" [800]	25 1/4" [642]	CA1 1408	CA1 1508	CA1 1608	CA1 1808	CA1 2008	CA1 2108	CA1 2308	CA1 2408	CA1 2608	CA1 2808	CA1 3008
36 7/8" [936]	36 3/16" [919]	35 7/16" [900]	29 3/16" [742]	CA1 1409	CA1 1509	CA1 1609	CA1 1809	CA1 2009	CA1 2109	CA1 2309	CA1 2409	CA1 2609	CA1 2809	CA1 3009
40 13/16" [1036]	40 1/8" [1019]	39 3/8" [1000]	33 1/8" [842]	CA1 1410	CA1 1510	CA1 1610	CA1 1810	CA1 2010	CA1 2110	CA1 2310	CA1 2410	CA1 2610	CA1 2810	CA1 3010
42 11/16" [1084]	42" [1067]	41 1/4" [1048]	35 1/16" [890]	CA1 1411	CA1 1511	CA1 1611	CA1 1811	CA1 2011	CA1 2111	CA1 2311	CA1 2411	CA1 2611	CA1 2811	CA1 3011
48 11/16" [1236]	48" [1219]	47 1/4" [1200]	41" [1042]	CA1 1412	CA1 1512	CA1 1612	CA1 1812	CA1 2012	CA1 2112	CA1 2312	CA1 2412	CA1 2612	CA1 2812	CA1 3012
56 9/16" [1436]	55 7/8" [1419]	55 1/8" [1400]	48 7/8" [1242]	CA1 1414	CA1 1514	CA1 1614	CA1 1814	CA1 2014	CA1 2114	CA1 2314	CA1 2414	CA1 2614	CA1 2814	CA1 3014
60 1/2" [1536]	59 13/16" [1519]	59 1/16" [1500]	52 13/16" [1342]	CA1 1415	CA1 1515	CA1 1615	CA1 1815	CA1 2015	CA1 2115	CA1 2315	CA1 2415	CA1 2615	CA1 2815	CA1 3015
64 7/16" [1636]	63 3/4" [1619]	63" [1600]	56 3/4" [1442]	CA1 1416	CA1 1516	CA1 1616	CA1 1816	CA1 2016	CA1 2116	CA1 2316	CA1 2416	CA1 2616	CA1 2816	CA1 3016
72 5/16" [1836]	71 5/8" [1819]	70 7/8" [1800]	64 5/8" [1642]	CA1 1418	CA1 1518	CA1 1618	CA1 1818	CA1 2018	CA1 2118	CA1 2318	CA1 2418	CA1 2618	CA1 2818	
80 3/16" [2036]	79 1/2" [2019]	78 3/4" [2000]	72 1/2" [1842]	CA1 1420	CA1 1520	CA1 1620	CA1 1820	CA1 2020	CA1 2120	CA1 2320	CA1 2420	CA1 2620		
84 1/8" [2136]	83 7/16" [2119]	82 11/16" [2100]	76 7/16" [1942]	CA1 1421	CA1 1521	CA1 1621	CA1 1821	CA1 2021	CA1 2121	CA1 2321	CA1 2421			
91 15/16" [2336]	91 5/16" [2319]	90 9/16" [2300]	84 5/16" [2142]	CA1 1423	CA1 1523	CA1 1623	CA1 1823	CA1 2023	CA1 2123					
95 15/16" [2436]	95 1/4" [2419]	94 1/2" [2400]	88 1/4" [2242]	CA1 1424	CA1 1524	CA1 1624	CA1 1824	CA1 2024	CA1 2124					
103 3/4" [2636]	103 1/8" [2619]	102 3/8" [2600]	96 1/8" [2442]	CA1 1426	CA1 1526	CA1 1626	CA1 1826							
111 5/8" [2836]	111" [2819]	110 1/4" [2800]	104" [2642]	CA1 1428	CA1 1528	CA1 1628	CA1 1828							
119 1/2" [3036]	118 7/8" [3019]	118 1/8" [3000]	111 7/8" [2842]	CA1 1430	CA1 1530	CA1 1630	CA1 1830							

Height

Product Code

Standard sizes Shown. Additional sizes may be available. Custom sizes can be ordered.

Glass Size = Visible Glass + 15/16" (24 mm)

Note:
- Available with Mission sash. For a unit with a Mission sash, subtract 13/16" (21 mm) from the vertical visible glass measurement.
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- For Masonry opening information see page Section A.
- Sizes are shown as double glazing, not all sizes may be available in triple glazing.

French Casement Window Sizes

Width

Rough Opening				32 1/4" [819]	40 1/8" [1019]	41 1/8" [1044]	42" [1067]	48" [1219]	55 7/8" [1419]	59 13/16" [1519]	63 3/4" [1619]	71 5/8" [1819]
		Frame		31 1/2" [800]	39 3/8" [1000]	40 3/8" [1025]	41 1/4" [1048]	47 1/4" [1200]	55 1/8" [1400]	59 1/16" [1500]	63" [1600]	70 7/8" [1800]
Wood Exterior	Metal Clad		Visible Glass	10 5/16" [262]	14 1/4" [362]	14 3/4" [374]	15 3/16" [386]	18 3/16" [462]	22 1/8" [562]	24 1/8" [612]	26 1/16" [662]	30" [762]
25 1/16" [636]	24 3/8" [619]	23 5/8" [600]	17 3/8" [442]	♣ FCA + 0806	♣ FCA + 1006		♣ FCA + 1106	♣ FCA + 1206	♣ FCA + 1406			
29" [736]	28 5/16" [719]	27 9/16" [700]	21 5/16" [542]	♣ FCA + 0807	♣ FCA + 1007		♣ FCA + 1107	♣ FCA + 1207	♣ FCA + 1407	♣ FCA + 1507	♣ FCA + 1607	
32 15/16" [836]	32 1/4" [819]	31 1/2" [800]	25 1/4" [642]	★♣ FCA + 0808	★♣ FCA + 1008	★♣ FCA * 1008	★♣ FCA 1108	★♣ FCA 1208	★♣ FCA 1408	★♣ FCA 1508	★♣ FCA 1608	★♣ FCA + 1808
36 7/8" [936]	36 3/16" [919]	35 7/16" [900]	29 3/16" [742]	★♣ FCA + 0809	★♣ FCA + 1009	★♣ FCA * 1009	★♣ FCA 1109	★♣ FCA 1209	★♣ FCA 1409	★♣ FCA 1509	★♣ FCA 1609	★♣ FCA 1809
40 13/16" [1036]	40 1/8" [1019]	39 3/8" [1000]	33 1/8" [842]	★♣ FCA + 0810	★♣ FCA + 1010	★♣ FCA * 1010	★♣ FCA 1110	★♣ FCA 1210	★♣ FCA 1410	★♣ FCA 1510	★♣ FCA 1610	★♣ FCA 1810
42 11/16" [1084]	42" [1067]	41 1/4" [1048]	35 1/16" [890]	★♣ FCA + 0811	★♣ FCA + 1011	★♣ FCA * 1011	★♣ FCA 1111	★♣ FCA 1211	★♣ FCA 1411	★♣ FCA 1511	★♣ FCA 1611	★♣ FCA 1811
48 11/16" [1236]	48" [1219]	47 1/4" [1200]	41" [1042]	★♣ FCA + 0812	★♣ FCA + 1012	★♣ FCA * 1012	★♣ FCA 1112	★♣ FCA 1212	★♣ FCA 1412	★♣ FCA 1512	★♣ FCA 1612	★♣ FCA 1812
56 9/16" [1436]	55 7/8" [1419]	55 1/8" [1400]	48 7/8" [1242]	★♣ FCA + 0814	★♣ FCA + 1014	★♣ FCA * 1014	★♣ FCA 1114	★♣ FCA 1214	★♣ FCA 1414	★♣ FCA 1514	★♣ FCA 1614	★♣ FCA 1814
60 1/2" [1536]	59 13/16" [1519]	59 1/16" [1500]	52 13/16" [1342]	★♣ FCA + 0815	★♣ FCA + 1015	★♣ FCA * 1015	★♣ FCA 1115	★♣ FCA 1215	★♣ FCA 1415	★♣ FCA 1515	★♣ FCA 1615	★♣ FCA 1815
64 7/16" [1636]	63 3/4" [1619]	63" [1600]	56 3/4" [1442]	★♣ FCA + 0816	★♣ FCA + 1016	★♣ FCA * 1016	★♣ FCA 1116	★♣ FCA 1216	★♣ FCA 1416	★♣ FCA 1516	★♣ FCA 1616	★♣ FCA 1816
72 5/16" [1836]	71 5/8" [1819]	70 7/8" [1800]	64 5/8" [1642]	★♣ FCA + 0818	★♣ FCA + 1018	★♣ FCA * 1018	★♣ FCA 1118	★♣ FCA 1218	★♣ FCA 1418	★♣ FCA 1518	★♣ FCA * 1618	★♣ FCA * 1818
						Min Width Rotogear						

Height

Product Code

Glass Size = Visible Glass + 15/16" (24 mm)

* Only available with rotogear hardware

\+ Only available with pushout hardware

Standard sizes Shown. Additional sizes may be available. Custom sizes can be ordered.

Note:
- Available with Mission sash. For a unit with a Mission sash, subtract 13/16" (21 mm) from the vertical visible glass measurement.
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- For Masonry opening information see page Section A.
- Sizes are shown as double glazing, not all sizes may be available in triple glazing.
- Egress calculations are based on a 20" width opening. Opening does not open a full 90°.
  - ★ Meets US Egress: 20" in width, 24" in height, with a total egress area of 5.7 Sq Ft.
  - ♣ Meets Canadian Egress: 15" in width, 15" in height, with a total egress area of 3.8 Sq Ft.
- Please check your local building codes for any variation in Egress Standards from those stated above. For egress information, contact your Authorized Loewen Dealer.

Camber Top Casement 1 Wide Window Sizes

Width

Rough Opening				16 1/2" [419]	20 7/16" [519]	24 3/8" [619]	28 5/16" [719]	30 1/4" [769]	32 1/4" [819]	36 3/16" [919]
		Frame		15 3/4" [400]	19 11/16" [500]	23 5/8" [600]	27 9/16" [700]	29 1/2" [750]	31 1/2" [800]	35 7/16" [900]
Wood Exterior	Metal Clad		Visible Glass	9 3/4" [247]	13 11/16" [347]	17 5/8" [447]	21 9/16" [547]	23 1/2" [597]	25 1/2" [647]	29 7/16" [747]
29" [736]	28 5/16" [719]	27 9/16" [700]	21 3/16" [538]	CTC1 0407	CTC1 0507	CTC1 0607	CTC1 0707	CTC1 7507	CTC1 0807	
30 15/16" [786]	30 1/4" [769]	29 1/2" [750]	23 5/8" [588]	CTC1 0475	CTC1 0575	CTC1 0675	CTC1 0775	CTC1 7575	CTC1 0875	
32 15/16" [836]	32 1/4" [819]	31 1/2" [800]	25 1/8" [638]	CTC1 0408	CTC1 0508	CTC1 0608	CTC1 0708	CTC1 7508	CTC1 0808	
36 7/8" [936]	36 3/16" [919]	35 7/16" [900]	29 1/16" [738]	CTC1 0409	CTC1 0509	CTC1 0609	CTC1 0709	CTC1 7509	CTC1 0809	CTC1 0909
40 13/16" [1036]	40 1/8" [1019]	39 3/8" [1000]	33" [838]	CTC1 0410	CTC1 0510	CTC1 0610	CTC1 0710	CTC1 7510	CTC1 0810	CTC1 0910
42 11/16" [1084]	42" [1067]	41 1/4" [1048]	34 7/8" [886]	CTC1 0411	CTC1 0511	CTC1 0611	CTC1 0711	CTC1 7511	CTC1 0811	CTC1 0911
48 11/16" [1236]	48" [1219]	47 1/4" [1200]	40 7/8" [1038]	CTC1 0412	CTC1 0512	CTC1 0612	CTC1 0712	CTC1 7512	CTC1 0812	CTC1 0912
56 9/16" [1436]	55 7/8" [1419]	55 1/8" [1400]	48 3/4" [1238]	CTC1 0414	CTC1 0514	CTC1 0614	CTC1 0714	CTC1 7514	CTC1 0814	CTC1 0914
60 1/2" [1536]	59 13/16" [1519]	59 1/16" [1500]	52 11/16" [1338]	CTC1 0415	CTC1 0515	CTC1 0615	CTC1 0715	CTC1 7515	CTC1 0815	CTC1 0915
64 7/16" [1636]	63 3/4" [1619]	63" [1600]	56 5/8" [1438]	CTC1 0416	CTC1 0516	CTC1 0616	CTC1 0716	CTC1 7516	CTC1 0816	CTC1 0916
72 5/16" [1836]	71 5/8" [1819]	70 7/8" [1800]	64 1/2" [1638]	CA1 0418	CTC1 0518	CTC1 0618	CTC1 0718	CTC1 7518	CTC1 0818	CTC1 0918
84 1/8" [2136]	83 7/16" [2119]	82 11/16" [2100]	76 5/16" [1938]	CA1 0421	CTC1 0521	CTC1 0621	CTC1 0721	CTC1 7521	CTC1 0821	CTC1 0921

Height

Product Code

Glass Size = Visible Glass + 15/16" (24 mm)

Standard sizes Shown. Additional sizes may be available. Custom sizes can be ordered.

Note:
- Available with Mission sash. For a unit with a Mission sash, subtract 13/16" (21 mm) from the vertical visible glass measurement.
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- For Masonry opening information see page Section A.
- Sizes are shown as double glazing, not all sizes may be available in triple glazing.

Camber Top Casement
2 Wide Window Sizes

Width

Rough Opening		Frame		32 1/4" [819]	40 1/8" [1019]	48" [1219]	55 7/8" [1419]	59 13/16" [1519]	63 3/4" [1619]	71 5/8" [1819]
				31 1/2" [800]	39 3/8" [1000]	47 1/4" [1200]	55 1/8" [1400]	59 1/16" [1500]	63" [1600]	70 7/8" [1800]
Wood Exterior	Metal Clad		Visible Glass	9 3/4" [247]	13 11/16" [347]	17 5/8" [447]	21 9/16" [547]	23 1/2" [597]	25 1/2" [647]	29 7/16" [747]
29" [736]	28 5/16" [719]	27 9/16" [700]	21 3/16" [538]	CTC2 0807	CTC2 1007	CTC2 1207	CTC2 1407	CTC2 1475	CTC2 1408	
30 15/16" [786]	30 1/4" [769]	29 1/2" [750]	23 5/8" [588]	CTC2 0875	CTC2 1075	CTC2 1275	CTC2 1475	CTC2 1575	CTC2 1508	
32 15/16" [836]	32 1/4" [819]	31 1/2" [800]	25 1/8" [638]	CTC2 0808	CTC2 1008	CTC2 1208	CTC2 1408	CTC2 1508	CTC2 1608	
36 7/8" [936]	36 3/16" [919]	35 7/16" [900]	29 1/16" [738]	CTC2 0809	CTC2 1009	CTC2 1209	CTC2 1409	CTC2 1509	CTC2 1609	CTC2 1809
40 13/16" [1036]	40 1/8" [1019]	39 3/8" [1000]	33" [838]	CTC2 0810	CTC2 1010	CTC2 1210	CTC2 1410	CTC2 1510	CTC2 1610	CTC2 1810
42 11/16" [1084]	42" [1067]	41 1/4" [1048]	34 7/8" [886]	CTC2 0811	CTC2 1011	CTC2 1211	CTC2 1411	CTC2 1511	CTC2 1611	CTC2 1811
48 11/16" [1236]	48" [1219]	47 1/4" [1200]	40 7/8" [1038]	CTC2 0812	CTC2 1012	CTC2 1212	CTC2 1412	CTC2 1512	CTC2 1612	CTC2 1812
56 9/16" [1436]	55 7/8" [1419]	55 1/8" [1400]	48 3/4" [1238]	CTC2 0814	CTC2 1014	CTC2 1214	CTC2 1414	CTC2 1514	CTC2 1614	CTC2 1814
60 1/2" [1536]	59 13/16" [1519]	59 1/16" [1500]	52 11/16" [1338]	CTC2 0815	CTC2 1015	CTC2 1215	CTC2 1415	CTC2 1515	CTC2 1615	CTC2 1815
64 7/16" [1636]	63 3/4" [1619]	63" [1600]	56 5/8" [1438]	CTC2 0816	CTC2 1016	CTC2 1216	CTC2 1416	CTC2 1516	CTC2 1616	CTC2 1816
72 5/16" [1836]	71 5/8" [1819]	70 7/8" [1800]	64 1/2" [1638]	CTC2 0818	CTC2 1018	CTC2 1218	CTC2 1418	CTC2 1518	CTC2 1618	CTC2 1818
84 1/8" [2136]	83 7/16" [2119]	82 11/16" [2100]	76 5/16" [1938]	CTC2 0821	CTC2 1021	CTC2 1221	CTC2 1421	CTC2 1521	CTC2 1621	CTC2 1821

Height

Product Code

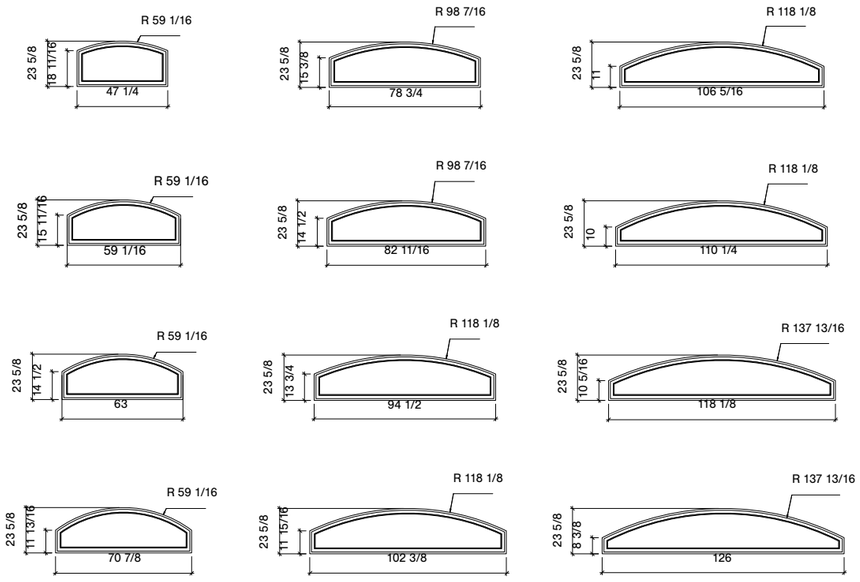
Glass Size = Visible Glass + 15/16" (24 mm)

Standard sizes Shown. Additional sizes may be available. Custom sizes can be ordered.

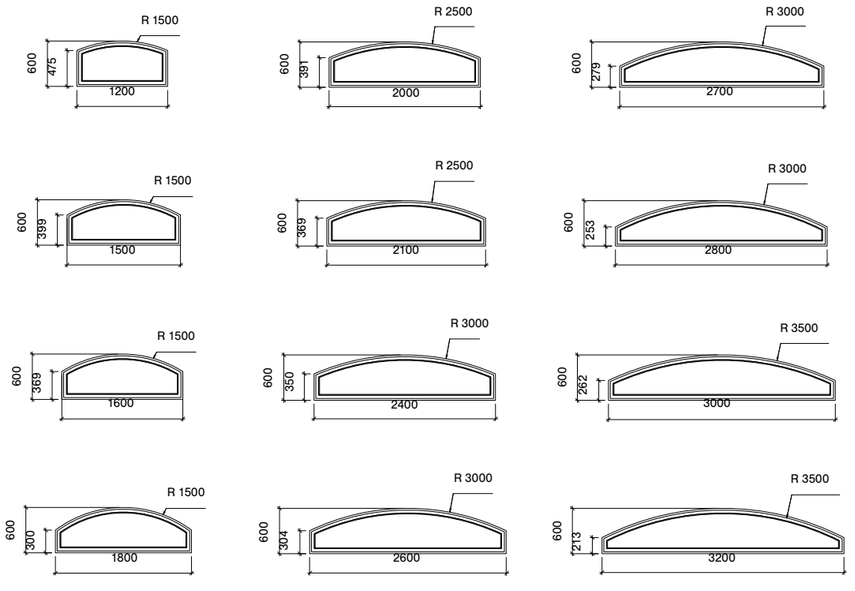
Note:
- Available with Mission sash. For a unit with a Mission sash, subtract 13/16" (21 mm) from the vertical visible glass measurement.
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- For Masonry opening information see page Section A.
- Sizes are shown as double glazing, not all sizes may be available in triple glazing.

Camber Top Casement
Standard Radius Elevations

Imperial



Metric



Note:
- Other jamb widths available.
- All dimensions to have +/- 1/16" (2mm) tolerance.

Half Round Casement Window Sizes

Width

Rough Opening				24 3/8" [619]	28 5/16" [719]	30 1/4" [769]	32 1/4" [819]	36 3/16" [919]
		Frame		23 5/8" [600]	27 9/16" [700]	29 1/2" [750]	31 1/2" [800]	35 7/16" [900]
Wood Exterior	Metal Clad		Visible Glass	17 5/8" [447]	21 9/16" [547]	23 1/2" [597]	25 1/2" [647]	29 7/16" [747]
40 13/16" [1036]	40 1/8" [1019]	39 3/8" [1000]	33 1/8" [842]	CA1 0610	CA1 0710			
42 11/16" [1084]	42" [1067]	41 1/4" [1048]	35 1/16" [890]	CA1 0611	CA1 0711			
48 11/16" [1236]	48" [1219]	47 1/4" [1200]	41" [1042]	CA1 0612	CA1 0712	CA1 7512	CA1 0812	
56 9/16" [1436]	55 7/8" [1419]	55 1/8" [1400]	48 7/8" [1242]	CA1 0614	CA1 0714	CA1 7514	CA1 0814	CA1 0914
60 1/2" [1536]	59 13/16" [1519]	59 1/16" [1500]	52 13/16" [1342]	CA1 0615	CA1 0715	CA1 7515	CA1 0815	CA1 0915
64 7/16" [1636]	63 3/4" [1619]	63" [1600]	56 3/4" [1442]	CA1 0616	CA1 0716	CA1 7516	CA1 0816	CA1 0916
72 5/16" [1836]	71 5/8" [1819]	70 7/8" [1800]	64 5/8" [1642]	CA1 0618	CA1 0718	CA1 7518	CA1 0818	CA1 0918
84 1/8" [2136]	83 7/16" [2119]	82 11/16" [2100]	76 7/16" [1942]	CA1 0621	CA1 0721	CA1 7521	CA1 0821	CA1 0921

Height

Product Code

Glass Size = Visible Glass + 15/16" (24 mm)

Standard sizes Shown. Additional sizes may be available. Custom sizes can be ordered.

Note:
- Available with Mission sash. For a unit with a Mission sash, subtract 13/16" (21 mm) from the vertical visible glass measurement.
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- For Masonry opening information see page Section A.
- Sizes are shown as double glazing, not all sizes may be available in triple glazing.

Oversized Casement Window (Roto Gear Only)

Width

Rough Opening				16 1/2" [419]	20 7/16" [519]	24 3/8" [619]	28 5/16" [719]	30 1/4" [769]	32 1/4" [819]	36 3/16" [919]	40 1/8" [1019]	42" [1067]	48" [1219]
		Frame		15 3/4" [400]	19 11/16" [500]	23 5/8" [600]	27 9/16" [700]	29 1/2" [750]	31 1/2" [800]	35 7/16" [900]	39 3/8" [1000]	41 1/4" [1048]	47 1/4" [1200]
Wood Exterior	Metal Clad		Visible Glass	9 3/4" [247]	13 11/16" [347]	17 5/8" [447]	21 9/16" [547]	23 1/2" [597]	25 1/2" [647]	29 7/16" [747]	39 3/8" [847]	35 1/4" [895]	41 1/4" [1047]
36 7/8" [936]	36 3/16" [919]	35 7/16" [900]	29 3/16" [742]								CA1* 1009		
40 13/16" [1036]	40 1/8" [1019]	39 3/8" [1000]	33 1/8" [842]								CA1 * 1010	CA1 * 1110	
42 11/16" [1084]	42" [1067]	41 1/4" [1048]	35 1/16" [890]								CA1 * 1011	CA1 * 1111	
48 11/16" [1236]	48" [1219]	47 1/4" [1200]	41" [1042]								★♣ CA1 * 1012	★♣ CA1 * 1112	CA1 * 1212
56 9/16" [1436]	55 7/8" [1419]	55 1/8" [1400]	48 7/8" [1242]								★♣ CA1 * 1014	★♣ CA1 * 1114	CA1 * 1214
60 1/2" [1536]	59 13/16" [1519]	59 1/16" [1500]	52 13/16" [1342]								★♣ CA1 * 1015	★♣ CA1 * 1115	CA1 * 1215
64 7/16" [1636]	63 3/4" [1619]	63" [1600]	56 3/4" [1442]								★♣ CA1 * 1016	★♣ CA1 * 1116	CA1 * 1216
72 5/16" [1836]	71 5/8" [1819]	70 7/8" [1800]	64 5/8" [1642]								★♣ CA1 * 1018	★♣ CA1 * 1118	CA1 * 1218
84 1/8" [2136]	83 7/16" [2119]	82 11/16" [2100]	76 7/16" [1942]								★♣ CA1 * 1021	★♣ CA1 * 1121	CA1 * 1221
95 7/8" [2436]	95 1/4" [2419]	94 1/2" [2400]	88 1/4" [2242]	CA1* 0424	CA1* 0524	CA1* 0624	CA1* 0724	★♣ CA1* 7524	★♣ CA1* 0824	★♣ CA1* 0924	★♣ CA1 * 1024	★♣ CA1 * 1124	CA1 * 1224

Height

Product Code

Glass Size = Visible Glass + 15/16" (24 mm)

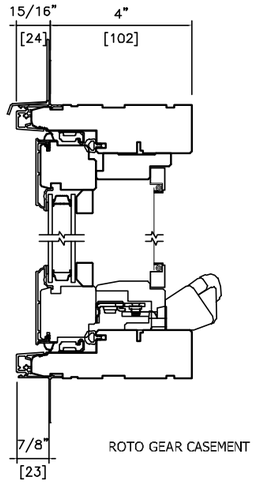
*Only available with roto gear hardware

Standard sizes Shown. Additional sizes may be available. Custom sizes can be ordered.

Note:
- Available with Mission sash. For a unit with a Mission sash, subtract 13/16" (21 mm) from the vertical visible glass measurement.
- SDL/Grille patterns are dependent on SDL/Grille type and window size. Please verify SDL/Grille patterns before confirming your order.
- Available with Push Out hardware.
- For Masonry opening information see page Section A.
- Sizes are shown as double glazing, not all sizes may be available in triple glazing.
- Egress calculations are based on a 20" width opening. Opening does not open a full 90°.
  - ★ Meets US Egress: 20" in width, 24" in height, with a total egress area of 5.7 Sq Ft.
  - ♣ Meets Canadian Egress: 15" in width, 15" in height, with a total egress area of 3.8 Sq Ft.
- Please check your local building codes for any variation in Egress Standards from those stated above. For egress information, contact your Authorized Loewen Dealer.

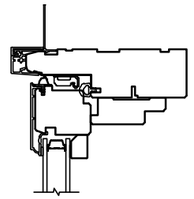
Contemporary Frame Cladding Detail

Head & Sill Detail



ROTO GEAR CASEMENT

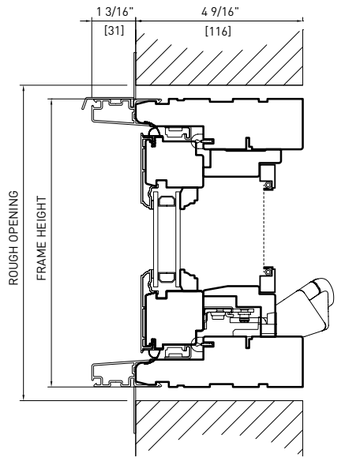
Casing



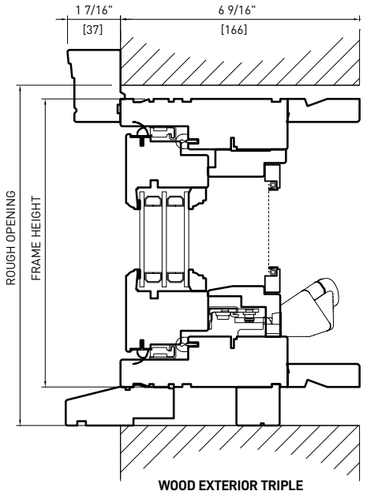
AWNING/CASEMENT

Casement Window Wall Connection Detail

Head & Sill Detail

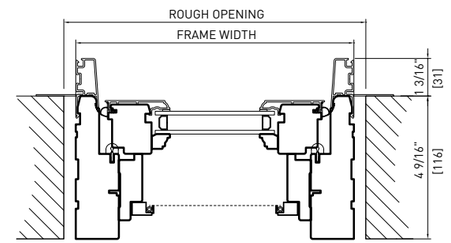


METAL CLAD DOUBLE
4 9/16" (116 mm)

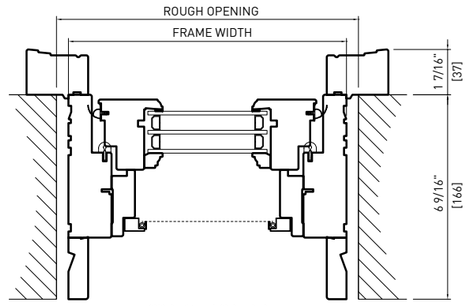


WOOD EXTERIOR TRIPLE
6 9/16" (166 mm)

Plan View



METAL CLAD DOUBLE
4 9/16" (116 mm)

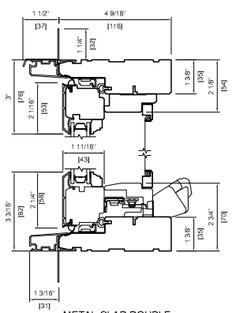


WOOD EXTERIOR TRIPLE
6 9/16" (166 mm)

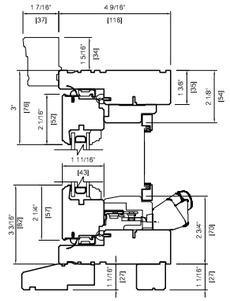
Note:
- Other jamb widths available.
- All dimensions to have +/- 1/16" (2mm) tolerance.

Casement Window Detail

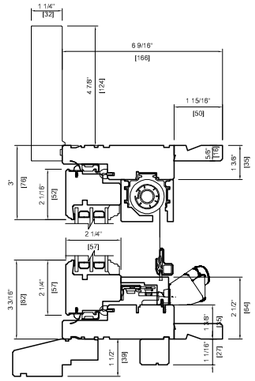
Head & Sill Detail



METAL CLAD DOUBLE
4 9/16" (116 mm)
STANDARD SCREEN

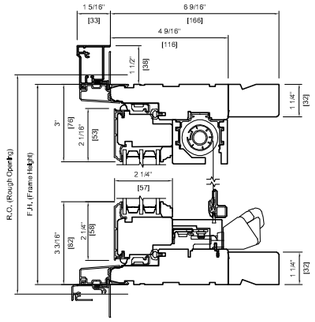


WOOD EXTERIOR DOUBLE
4 9/16" (116 mm)
2" BRICKMOULD WITH STANDARD SUBSILL
STANDARD SCREEN



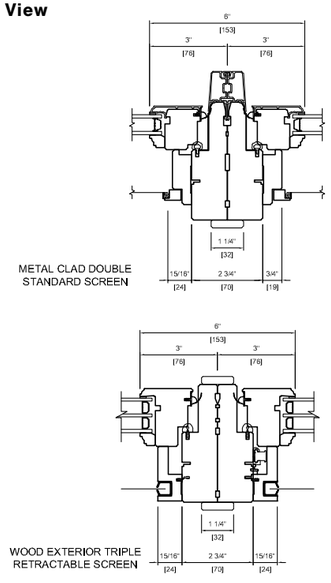
WOOD EXTERIOR TRIPLE
6 9/16" (166 mm)
5 1/2" FLAT CASING WITH BC SUBSILL
RETRACTABLE SCREEN

Head & Sill Detail



METAL CLAD DOUBLE
6 9/16" (166 mm)
2" BRICKMOULD WITH STANDARD SILL NOSE
RETRACTABLE SCREEN

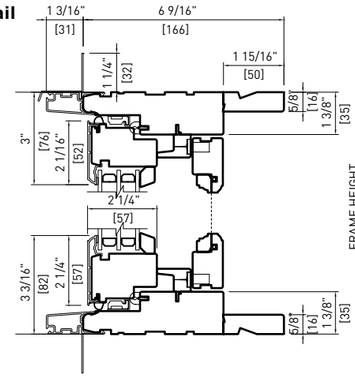
Plan View



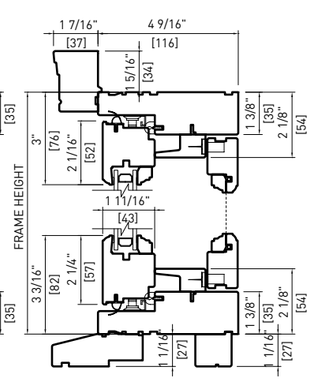
Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2mm) tolerance.

Push Out Casement Window Detail

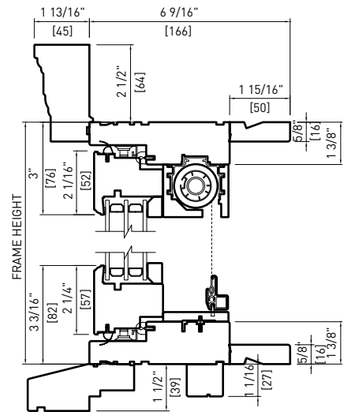
Head & Sill Detail



METAL CLAD TRIPLE
6 9/16" (166 mm)
PUTTY GLAZING STOPS
HINGED WOOD SCREEN

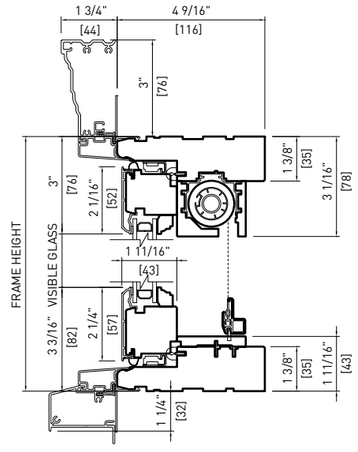


WOOD EXTERIOR DOUBLE
4 9/16" (116 mm)
2" BRICKMOULD WITH
STANDARD SILL NOSING
HINGED WOOD SCREEN



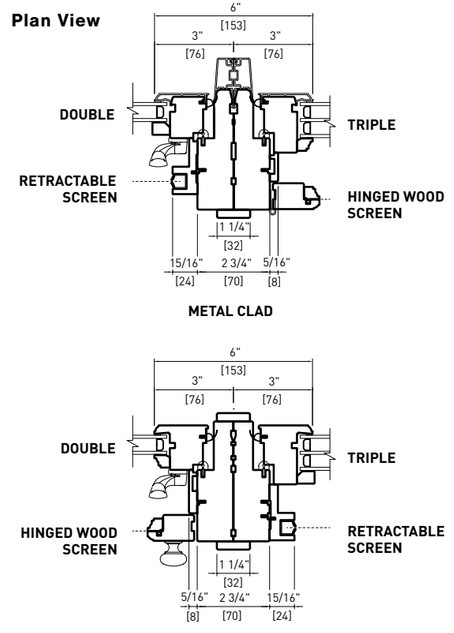
WOOD EXTERIOR TRIPLE
6 9/16" (166 mm)
ADAMS CASING WITH BC SUBSILL
SQUARE GLAZING STOPS
RETRACTABLE SCREEN

Head & Sill Detail



METAL CLAD DOUBLE
4 9/16" (116 mm)
ADAMS CASING WITH BC SILL NOSE
RETRACTABLE SCREEN

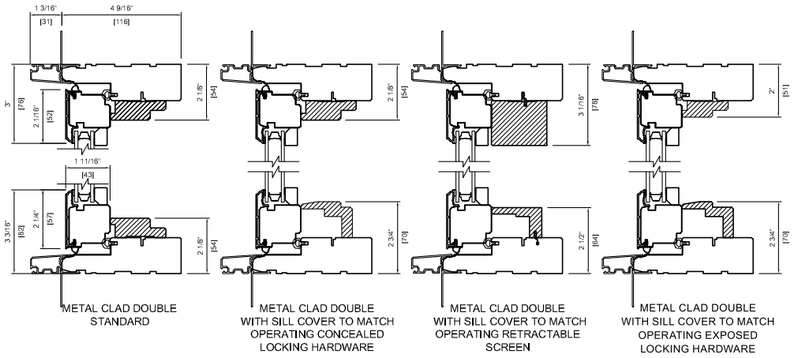
Plan View



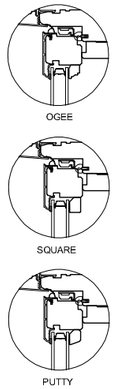
Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2mm) tolerance.

Fixed Casement Window Detail

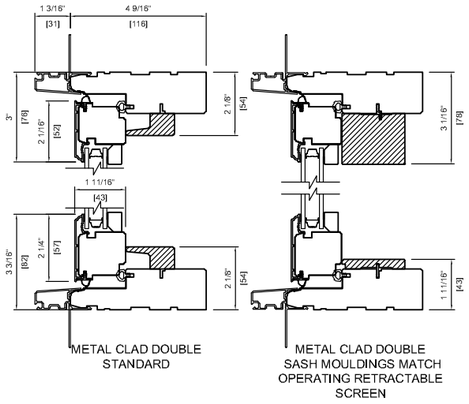
Head & Sill Detail
Roto Gear
Sash Moulding Options



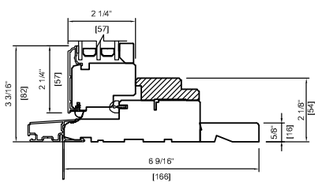
Glazing Stop Profiles



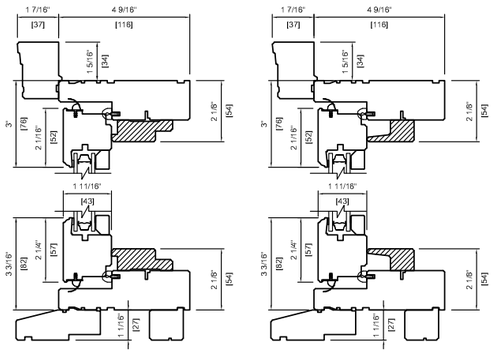
Head & Sill Detail
Pushout - Sash Moulding Options



METAL CLAD TRIPLE
WITH JAMB EXTENSION
-SASH MOULDING
OPTIONS ARE THE SAME
AS DOUBLE.



Head & Sill Detail
Wood Exterior - Sash Moulding
Options Are The Same As Metal Clad



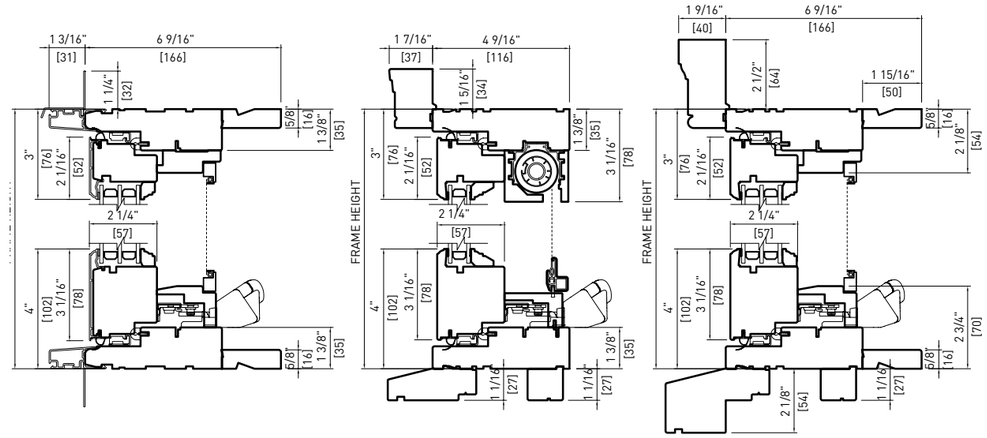
WOOD EXTERIOR DOUBLE
SASH MOULDINGS MATCH
STANDARD ROTOGEAR

WOOD EXTERIOR DOUBLE
SASH MOULDINGS MATCH
STANDARD PUSHOUT

Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2mm) tolerance.

Mission Casement Window Detail

Head & Sill Detail

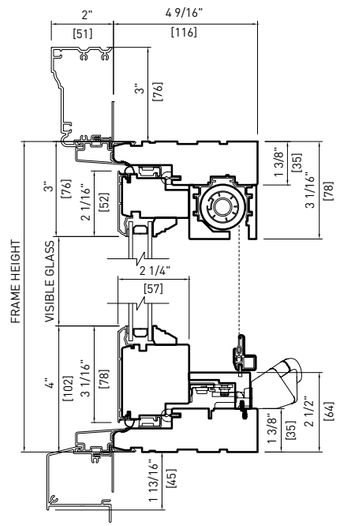


METAL CLAD TRIPLE
6 9/16" (166 mm)
STANDARD SCREEN

WOOD EXTERIOR DOUBLE
4 9/16" (116 mm)
2" BRICKMOULD WITH STANDARD SUBSILL
RETRACTABLE SCREEN

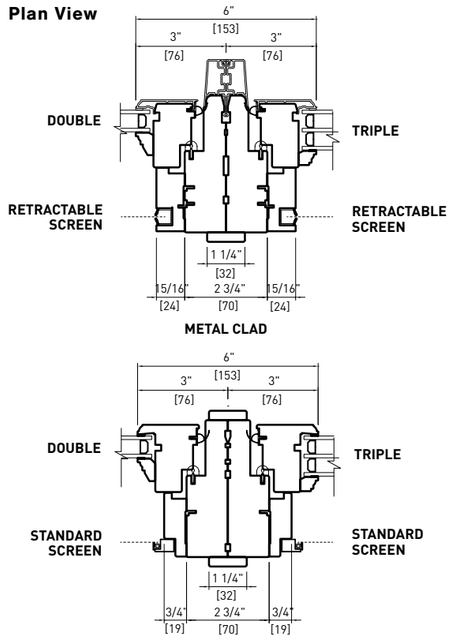
WOOD EXTERIOR TRIPLE
6 9/16" (166 mm)
WILLIAMSBURG CASING WITH HERITAGE SUBSILL
STANDARD SCREEN

Head & Sill Detail



METAL CLAD DOUBLE
4 9/16" (116 mm)
WILLIAMSBURG CASING WITH HERITAGE SILL NOSE
RETRACTABLE SCREEN

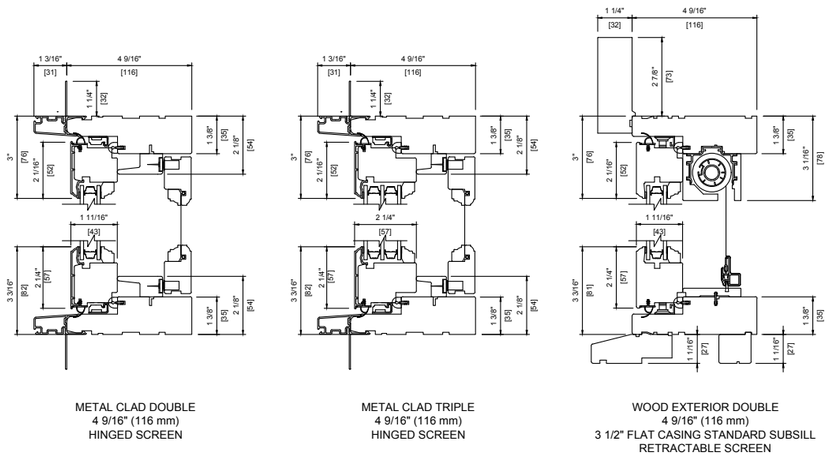
Plan View



Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2mm) tolerance.

Push Out French Casement Window Detail

Head & Sill Detail

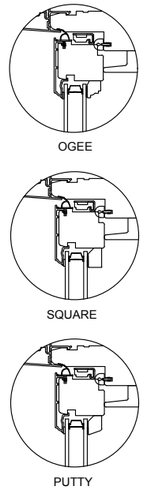


METAL CLAD DOUBLE
4 9/16" (116 mm)
HINGED SCREEN

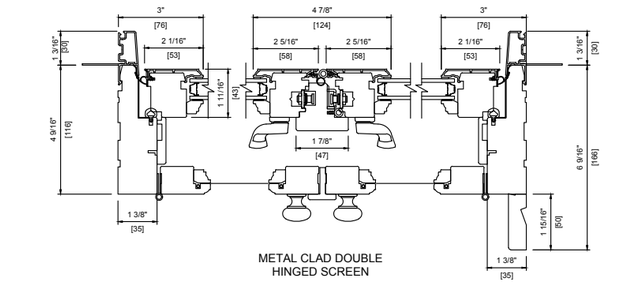
METAL CLAD TRIPLE
4 9/16" (116 mm)
HINGED SCREEN

WOOD EXTERIOR DOUBLE
4 9/16" (116 mm)
3 1/2" FLAT CASING STANDARD SUBSILL
RETRACTABLE SCREEN

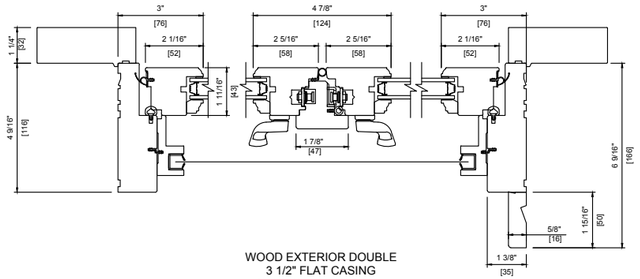
Glazing Stop Profiles



Plan View

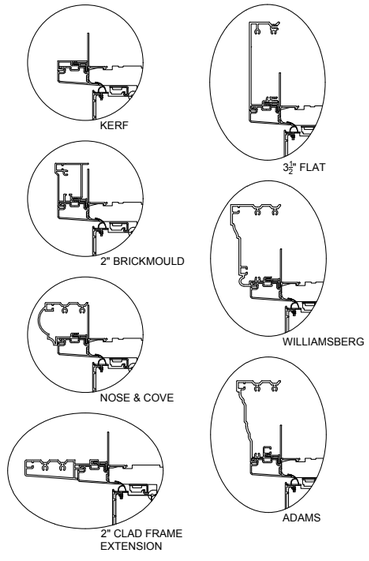


METAL CLAD DOUBLE
HINGED SCREEN



WOOD EXTERIOR DOUBLE
3 1/2" FLAT CASING
RETRACTABLE SCREEN

Casing

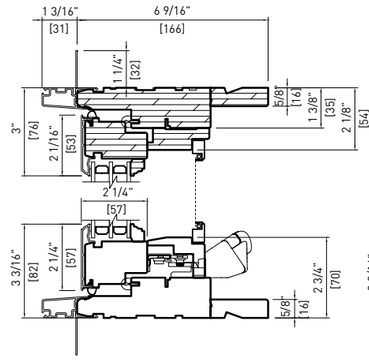


SEE SECTION A.

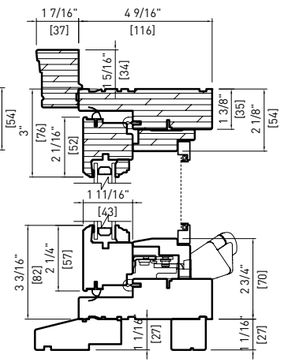
Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2mm) tolerance.

Radius Top Casement Window Detail

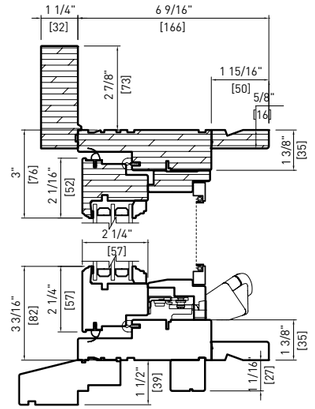
Head & Sill Detail



METAL CLAD TRIPLE
6 9/16" (166 mm)
STANDARD SCREEN

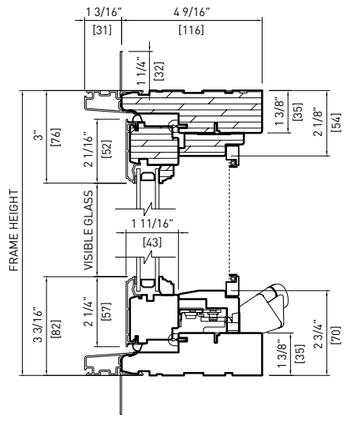


WOOD EXTERIOR DOUBLE
4 9/16" (116 mm)
2" BRICKMOULD WITH STANDARD SUBSILL
STANDARD SCREEN



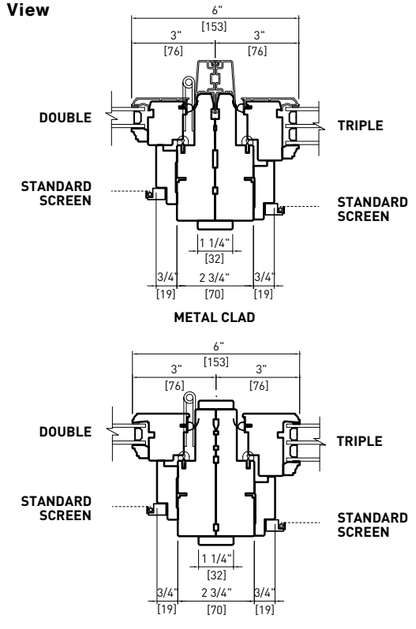
WOOD EXTERIOR TRIPLE
6 9/16" (166 mm)
3 1/2" FLAT CASING WITH BC SUBSILL
STANDARD SCREEN

Head & Sill Detail



METAL CLAD DOUBLE
4 9/16" (116 mm)
STANDARD SCREEN

Plan View



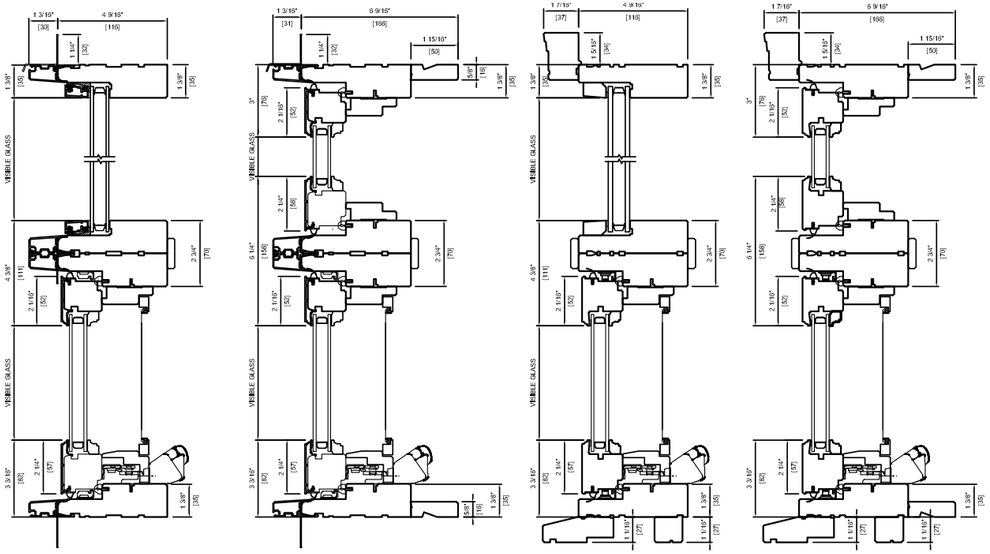
METAL CLAD

WOOD EXTERIOR

Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2mm) tolerance.

Picture And Fixed Casement Window Transoms Detail

Head & Sill Detail



METAL CLAD
PICTURE TRANSOM

METAL CLAD
CASEMENT TRANSOM

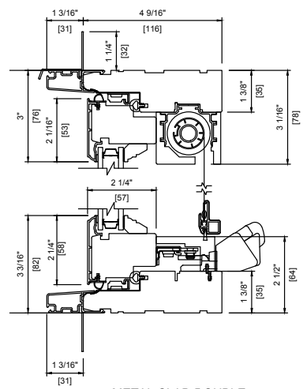
WOOD EXTERIOR
PICTURE TRANSOM

WOOD EXTERIOR
FIXED CASEMENT TRANSOM

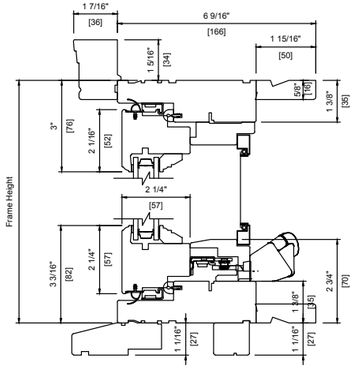
Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2mm) tolerance.

Oversized Casement Window (Roto Gear Only) Detail

Head & Sill Detail

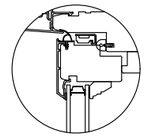


METAL CLAD DOUBLE
4 9/16" (116 mm)
RETRACTABLE SCREEN

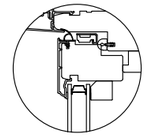


WOOD EXTERIOR DOUBLE
6 9/16" (166 mm)
2" BRICKMOULD STANDARD SUBSILL
STANDARD SCREEN

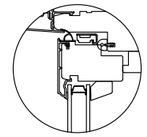
Glazing Stop Profiles



OGEE

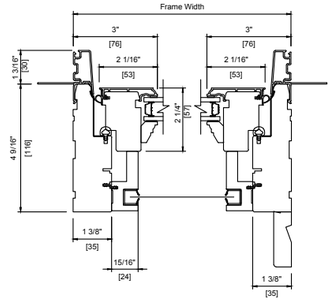


SQUARE

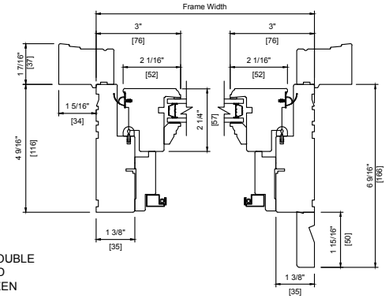


PUTTY

Plan View

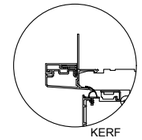


METAL CLAD DOUBLE
RETRACTABLE SCREEN

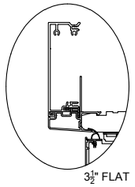


WOOD EXTERIOR DOUBLE
2" BRICKMOULD
STANDARD SCREEN

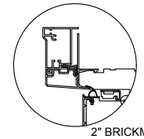
Casing



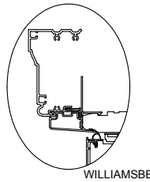
KERF



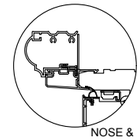
$3\frac{1}{2}$" FLAT



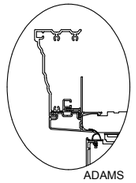
2" BRICKMOULD



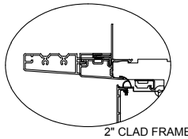
WILLIAMSBERG



NOSE & COVE



ADAMS



2" CLAD FRAME
EXTENSION

SEE SECTION A.

Note: • Other jamb widths available.
• All dimensions to have +/- 1/16" (2mm) tolerance.



SWINGING TERRACE & FRENCH TERRACE DOORS

Technical Guide H

FEATURES & SPECIFICATIONS

Styles

Traditional, French, Cambertop, Quarter Round, Full Radius.

Standard Features

- Natural Douglas Fir interior (no visible finger joints)
- Full Jamb – 6 9/16 (166 mm) construction is an option
- 4 mm Low E insulated tempered glazing
- Multi-point locking hardware, complete with solid brass core handle set, escutcheon and dead bolt
- Extruded aluminum cladding in a variety of standard colors, primed wood or clear fir exterior
- Flexible weatherstrip system

Hardware

Multiple hardware type and finish choices are available, see the hardware in section A for more information. Multipoint locking hardware – complete with brass handle set and escutcheon – and dead bolt are standard on all Terrace Doors. Optional keyed alike locks are available. Standard concealed bearing hinges in a variety of finishes are available. Note: French doors with handle activated shoot bolts on inactive panel.

Glazing

LowE Double, LowE Triple, and StormForce™. StormForce is not available on all products. Double or triple glass configurations with 1/2” (13 mm) airspace. With countless glazing configurations and LowE coating options, we ensure that you can choose the perfect blend of protection and comfort. LowE best describes the benefits of the product that incorporates glazing coatings and Argon gas. LowE systems help reduce heating and cooling costs, providing superior energy efficiency.

Simulated Divided Lites (SDL)

Standard SDL complete with airspace grilles, where available. Grille bars are permanently applied to the interior and exterior.

Ogee Profile – 3/4” (19 mm), 1 1/8” (30 mm), 2” (51 mm)

Putty Profile – 5/8” (16 mm), 7/8” (22 mm), 1 1/8” (30 mm), 2” (51 mm)

Square Profile (interior only) – 5/8” (16mm), 3/4” (19 mm), 7/8” (22 mm), 1 1/8” (30 mm), 2” (51 mm)



Terrace



French Terrace



Half Round Terrace
Available in wood exterior only.



Half Round French Terrace

FEATURES & SPECIFICATIONS

Casing

Wood: 2” (51 mm) Brickmould, 3 1/2” (89 mm) Flat, 5 1/2” (139 mm) Flat, Adams and Williamsburg.

Metal Clad: 2” (51 mm) Brickmould, 3 1/2” (89 mm) Flat, 2” clad frame extension, Nose & Cove, Adams, Williamsburg and Kerf.

Metal Cladding

Heavy duty exterior metal cladding comprised of extruded aluminum is available in a variety of Palette colors, including anodized and Cyprium (copper and bronze cladding). Metal clad units are supplied ready-to-install complete with integral metal nailing flange.

Wood

In addition to our standard Coastal Douglas Fir, the entire Loewen product line is also available in optional Mahogany. The interior can be natural wood (unfinished), primed, or prefinished in Jet Black or Oxford White paint. Additional wood species, as well as the Jet Black and Oxford White prefinishes, are available through our Custom Shop. All door panels are constructed with a laminated engineered core of Douglas Fir. Alternate species are a thick skin applied over the engineered Douglas Fir core. All wood parts are dipped in approved preservative.

Performance Standards

Most units have been tested by an independent laboratory for air and water infiltration, structural performance, and thermal performance requirements.

Frame & Panel

Manufactured from Coastal Douglas Fir kiln-dried lumber with frame construction designed for 4 9/16” (116 mm) and 6 9/16” (166 mm) jamb. All wood exterior components are factory primed unless specified as clear exterior. Minor scratches or abrasions in the wood surface or primer are not considered defects.

Weatherstrip

High grade weatherstripping runs the full perimeter of the panel/frame interface and provides a tight seal to the exterior elements. Side and head jamb weatherstrip are comprised of a bulb and fin dual seal design.

Door Swings

Traditional Terrace Door: Hinged in the middle so that one panel is fixed, while the other opens/closes. These doors can be configured as a single door, or as a series of fixed, operating, left hinged or right hinged panels.

French Terrace Doors are hinged on the jambs to allow both doors to open/close from the middle.

Note: Outswinging versions of both door styles are available as options.

Variables	Swinging Terrace	Swinging French Terrace
Function		
Use for Egress		●
Multi-point Hardware		○
Performance		
Low Maintenance Metal Clad Exterior		●
Clear Douglas Fir Exterior Finish		○
Clear Mahogany Exterior Finish		○
Primed Exterior Finish		
Cyprium Collection		

Variables	Swinging Terrace	Swinging French Terrace
Performance		
LowE Double		●
LowE Triple		○
StormForce™		○
Appearance		
SDL		○
Vertical Grain Fir Panel		

Standard ● **Optional ○**

Visit the Loewen Photo Gallery online at www.loewen.com for a large collection of Loewen product and elevation photography.

Numerous custom window configuration opportunities exist — please contact your Authorized Loewen Dealer.

Specifications and technical information are subject to change without notice. Imperial and metric measurements are converted accurately. However, in some cases, industry standards cause a 1 mm variance. (Example: 3/4" is shown as 19 mm for all glass measurements.) Cad Download: www.loewen.com/architect | Installation Instructions: www.loewen.com

Loewen Narrow Stile Terrace Door

Features

Narrower stiles and rails compared to standard Terrace Door panels

Incorporates standard Terrace Door frame and sill

Available as inswing, outswing, and fixed Terrace Doors

Available for BiFold

Metal Clad only in all current finishes with the exception of Cyprium

Not available in shaped units, rectangle only





Sizes

Maximum sizes for a single Terrace Door (TD1) is a width of 36" (924mm) and a height of 106 5/16" (2700mm) or a width of 40 5/16" (1024mm) and a height of 94 ½" (2400mm)

- Rough Opening and OSM remains the same as a standard Terrace Door, refer to TD1-0927 and TD1-1024 in the Loewen Technical Guide

Maximum sizes for a French Door (FD2) is a width of 72" (1829mm) and a height of 106 5/16" (2700mm) or a width of 79" (2029mm) and a height of 94 ½" (2400mm)

- Rough Opening and OSM remains the same as a standard Terrace Door, refer to FD2-1827 and FD2-2024 in the Loewen Technical Guide

Options

Optional 7” bottom rail to align with other Terrace Door / French Door units on the job

Ogee, Putty, Square interior glazing stops are all available along with complementary SDL bars

All current Terrace Door handle sets are available, including the new Dallas handle set



Out-Swing



In-Swing

Loewen Outswing 2.25” Terrace Door

New Thicker Panel

Loewen Windows and Doors is pleased to introduce our newest addition to the swinging door Family of products, the 2 ¼” Door. This new option of door has been designed to meet the demands of the luxury market. The thicker, more robust panel provides the valued element of mass which equates to a higher quality experience while using the product. The narrow stile elevation along with the new thicker panel makes for a great contemporary design solution.

Simple Design, Elaborate Performance

Minimal 3” profile and high-performance triple glazing.

Our 2 1/4” door brings with it a new level of robust design that you can hear and feel.

Triple glazing is easily executed giving you better thermal and sound performance. However, one can’t overlook the simple benefits of interacting with a door this substantial. You can see the strength before you lay a hand on it. However, feeling the weight, hearing the contact of door to frame is the real experience.

Features

All of the below features are available or remain unaffected from the standard (1 ¾”) Terrace Door.

Wood Type (Vertical Grain Douglas Fir or Mahogany)

Glazing, Glazing Stop, and SDL Options

Architectural Casings

Hardware

Standard Frame sizes and size limitations

Composite splash guard



Specifications

Panel is a 2 ⅜” thick rabbeted panel

Allows for “True Triple” high performance glazing with ½” airspace

Standard configuration - stile (4 5/16”) and bottom rail (7 7/8”)

Optional 3” narrow stile configuration - stile (3”) and bottom rail (4 5/16”)

Optional ADA flat sill with 10” tall bottom rail

Optional midrail and both flat and raised panels

Fixed Sidelites only

Sightlines of transom will align with door below — Transom sash and door panel align - are on the same plane.

Performance Data

All NFRC as well as NAFS (Air/Water/Structural) performance values remain consistent with existing 1 ¾” product option.

Impact performance and certification remains unchanged from the existing 1 3/4” product option.

Loewen Screen & Storm Doors to Compliment Swinging Doors

Our premium swinging screen door complements our line of Swinging Terrace and French Doors. The screen door can be ordered for clad and all wood doors and is also available as a retrofit into any existing Loewen door frame.

Loewen has taken the functional screen door and designed a robust and clean aesthetic to enhance swinging terrace door entryways.



This is a complete door offering available in all current Loewen clad colors in an AAMA 2605 specification and all anodized finishes to match our doors and frames. Hinge assemblies are also color matched.

The removable standard screen panel is easily replaced with the optional storm panel for increased protection from the elements.

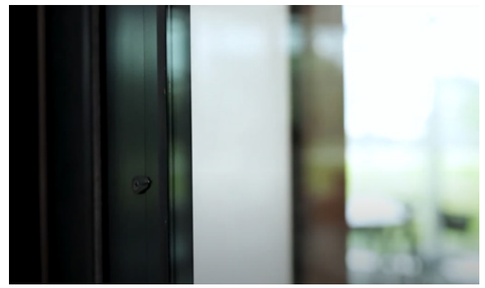
Large sizes are available – up to 3135 mm (123 7/16”) tall with screen only option. Narrow stile and rail dimensions of 2 7/8” allow for maximum openings. The strong construction allows the frame to be built without a bottom kick panel.

Loewen Screen & Storm doors can be ordered with any clad or non-clad Swinging Terrace Door. They are also available as a retro-fit for existing Loewen swinging doors.

The screen panel can be removed and replaced with a glass panel for better protection against adverse weather.

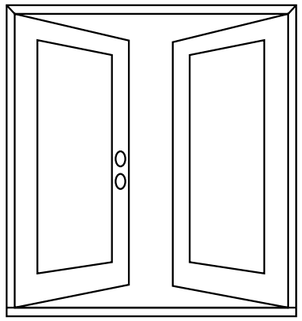
Our Screen & Storm doors automatically come with a pair of self-closers. This system includes hold-open functionality.



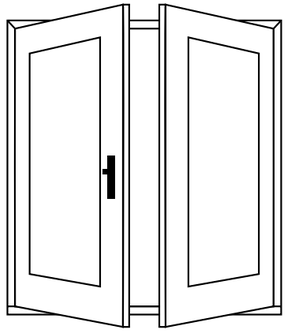




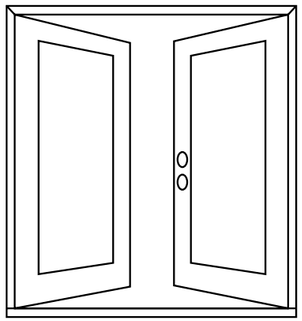
Door Swings



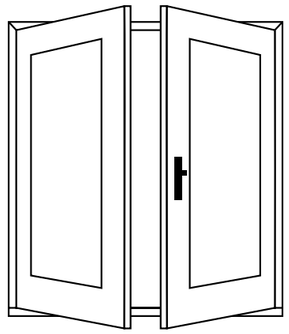
Inswing: LAR (XO)



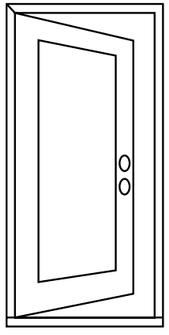
Outswing: LAR (XO)



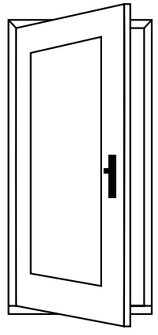
Inswing: LRA (OX)



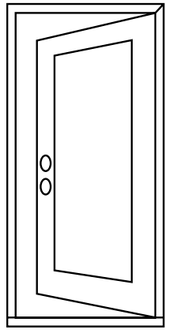
Outswing: LRA (OX)



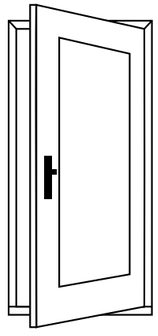
Inswing: LH



Outswing: LH



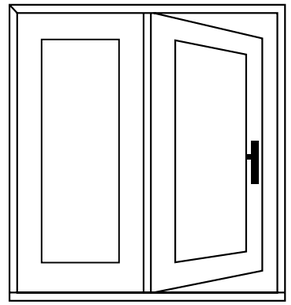
Inswing: RH



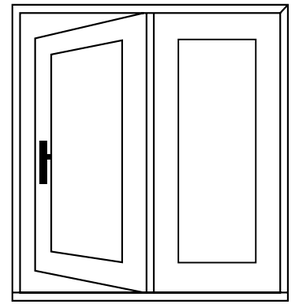
Outswing: RH

Note: Handing is always as if you are viewing the hinge side from the outside of the building regardless of the door swinging into the building or out of the building.

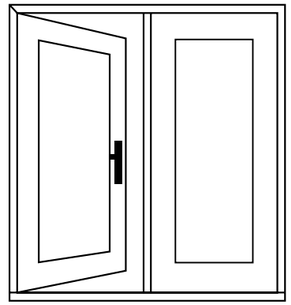
Door Swings



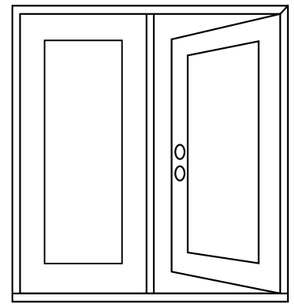
Inswing: Fixed/Left



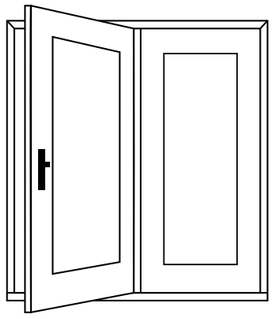
Inswing: Fixed/Right



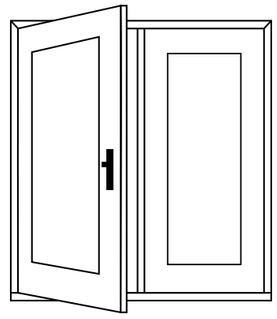
Inswing: Left/Fixed



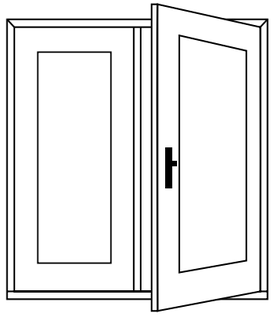
Inswing: Fixed/Right



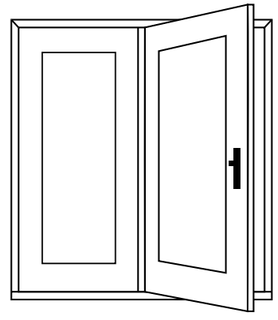
Outswing: Right/Fixed



Outswing: Left/Fixed



Outswing: Fixed/Right



Outswing: Fixed/Left

Swinging Terrace & French Doors -
1.75 Inch - **Narrow Stile (3") TD**

Size Charts

TD1

Width

Rough Opening Inswing with Jamb Extension					19 1/8" [485]	25" [635]	31 7/8" [809]	35 1/8" [892]	37 3/4" [959]	39 5/16" [999]	41 11/16" [1059]	45 1/4" [1150]
	Rough Opening				18 7/16" [469]	24 3/8" [619]	31 1/4" [793]	34 1/2" [876]	37 1/8" [943]	38 11/16" [983]	41 1/16" [1043]	44 5/8" [1134]
		Frame			17 11/16" [450]	23 5/8" [600]	30 1/2" [774]	33 3/4" [857]	36 3/8" [924]	37 15/16" [964]	40 5/16" [1024]	43 7/8" [1115]
			Panel		15 13/16" [402]	21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/16" [916]	38 7/16" [976]	42" [1067]
				Visible Glass	9 15/16" [252]	15 13/16" [402]	22 11/16" [576]	25 15/16" [659]	28 9/16" [726]	27 3/8" [696]	32 1/2" [826]	33 3/8" [847]
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	* TDT1 0404	*TDT1 0604	*TDT1 0704	* TDT1 0804	* TDT1 0904	* TDT1 0904	*TDT1 1004	*TDT1 1104
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	* TDT1 0406	* TDT1 0606	*TDT1 0706	*TDT1 0806	* TDT1 0906	* TDT1 0906	* TDT1 1006	* TDT1 1106
					VENTING SUITE		DOORS					
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	~TD1 0420	~TD1 0620	TD1 0720	TD1 0820	TD1 0920	TD1 0920	TD1 1020	TD1 1120
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	~TD1 0421	~TD1 0621	TD1 0721	TD1 0821	TD1 0921	TD1 0921	TD1 1021	TD1 1121
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	~TD1 0470	~TD1 0670	TD1 0770	TD1 0870	TD1 0970	TD1 0970	TD1 1070	TD1 1170
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	~TD1 0424	~TD1 0624	TD1 0724	TD1 0824	TD1 0924	TD1 0924	TD1 1024	TD1 1124
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	~TD1 0480	~TD1 0680	TD1 0780	TD1 0880	TD1 0980	TD1 0980	TD1 1080	TD1 1180
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	88 3/8" [2244]	~TD1 0425	~TD1 0625	TD1 0725	TD1 0825	TD1 0925	TD1 0925	TD1 1025	TD1 1125
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	~TD1 0427	~TD1 0627	TD1 0727	TD1 0827	TD1 0927	TD1 0927	TD1 1027	TD1 1127

Height

* Transom units
~ Venting or Fixed Sidelite

Swinging Terrace & French Doors -
1.75 Inch - **Narrow Stile (3") TD**

Size Charts

TD2

Width

Rough Opening Inswing with Jamb Extension					46 3/4" [1187]	60 7/16" [1535]	66 15/16" [1701]	72 1/4" [1835]	75 3/8" [1915]	80 1/8" [2035]	87 5/16" [2217]
	Rough Opening				46 1/8" [1171]	59 13/16" [1519]	66 5/16" [1685]	71 5/8" [1819]	74 3/4" [1899]	79 1/2" [2019]	86 5/8" [2201]
		Frame			45 3/8" [1152]	59 1/16" [1500]	65 9/16" [1666]	70 7/8" [1800]	70 7/8" [1880]	78 3/4" [2000]	85 7/8" [2182]
			Panel		21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/16" [916]	38 7/16" [976]	42" [1067]
				Visible Glass	15 13/16" [402]	22 11/16" [576]	25 15/16" [659]	28 9/16" [726]	27 3/8" [696]	32 1/2" [826]	33 3/8" [847]
					TRANSOM						
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT2 1204	*TDT2 1504	* TDT2 1604	* TDT2 1804	* TDT2 1804	*TDT2 2004	*TDT2 2204
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT2 1206	*TDT2 1506	*TDT2 1606	* TDT2 1806	* TDT2 1806	* TDT2 2006	* TDT2 2206
					DOOR						
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	TD2 1220	TD2 1520	TD2 1620	TD2 1820	TD2 1820	TD2 2020	TD2 2220
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	TD2 1221	TD2 1521	TD2 1621	TD2 1821	TD2 1821	TD2 2021	TD2 2221
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	TD2 1270	TD2 1570	TD2 1670	TD2 1870	TD2 1870	TD2 2070	TD2 2270
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	TD2 1224	TD2 1524	TD2 1624	TD2 1824	TD2 1824	TD2 2024	TD2 2224
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	TD2 1280	TD2 1580	TD2 1680	TD2 1880	TD2 1880	TD2 2080	TD2 2280
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	88 3/8" [2244]	TD2 1225	TD2 1525	TD2 1625	TD2 1825	TD2 1825	TD2 2025	TD2 2225
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	TD2 1227	TD2 1527	TD2 1627	TD2 1827	TD2 1827	TD2 2027	TD2 2227

Height

* Fixed Sidelite

Swinging Terrace & French Doors -
1.75 Inch - **Narrow Stile (3") TD**

Size Charts

TD3

Width

Rough Opening Inswing with Jamb Extension					89" [2261]	98 13/16" [2510]	106 3/4" [2711]	111 7/16" [2831]	118 9/16" [3011]	129 5/16" [3284]
Rough Opening					88 3/8" [2245]	98 3/16" [2494]	106 1/16" [2695]	110 13/16" [2815]	117 7/8" [2995]	128 11/16" [3268]
	Frame				87 5/8" [2226]	97 7/16" [2475]	105 5/16" [2676]	110 1/16" [2796]	117 1/8" [2976]	127 15/16" [3249]
		Panel			28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/16" [916]	38 7/16" [976]	42" [1067]
			Visible Glass		22 11/16" [576]	25 15/16" [659]	28 9/16" [726]	27 3/8" [696]	32 1/2" [826]	33 3/8" [847]
					TRANSOM					
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT3 2204	* TDT3 2404	* TDT3 2704	* TDT3 2704	* TDT3 3004	* TDT3 3204
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT3 2206	* TDT3 2406	* TDT3 2706	* TDT3 2706	* TDT3 3006	* TDT3 3206
					DOOR					
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	TD3 2220	TD3 2420	TD3 2720	TD3 2720	TD3 3020	TD3 3220
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	TD3 2221	TD3 2421	TD3 2721	TD3 2721	TD3 3021	TD3 3221
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	TD3 2270	TD3 2470	TD3 2770	TD3 2770	TD3 3070	TD3 3270
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	TD3 2224	TD3 2424	TD3 2724	TD3 2724	TD3 3024	TD3 3224
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	TD3 2280	TD3 2480	TD3 2780	TD3 2780	TD3 3080	TD3 3280
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	88 3/8" [2244]	TD3 2225	TD3 2425	TD3 2725	TD3 2725	TD3 3025	TD3 3225
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	TD3 2227	TD3 2427	TD3 2727	TD3 2727	TD3 3027	TD3 3227

Height

* Fixed Sidelite

Swinging Terrace & French Doors -
1.75 Inch - **Narrow Stile (3") TD**

Size Charts

TD4

Width

Rough Opening Inswing with Jamb Extension					111 7/16" [2831]	117 5/8" [2988]	130 11/16" [3320]	141 1/4" [3588]	147 1/2" [3747]	157" [3988]	171 5/16" [4352]
Rough Opening					110 13/16" [2815]	117" [2972]	130 1/16" [3304]	140 5/8" [3572]	146 7/8" [3731]	156 3/8" [3972]	170 11/16" [4336]
	Frame				110 1/16" [2796]	116 1/4" [2953]	129 5/16" [3285]	139 7/8" [3553]	146 1/8" [3712]	155 5/8" [3953]	169 15/16" [4317]
		Panel			27 1/16" [687]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/16" [916]	38 7/16" [976]	42" [1067]
			Visible Glass		21 1/8" [537]	22 11/16" [576]	25 15/16" [659]	28 9/16" [726]	27 3/8" [696]	32 1/2" [826]	33 3/8" [847]
					TRANSOM						
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT4 2704	*TDT4 3004	*TDT4 3204	*TDT4 3604	*TDT4 3604	*TDT4 4004	*TDT4 4304
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT4 2706	*TDT4 3006	*TDT4 3206	*TDT4 3606	*TDT4 3606	*TDT4 4006	*TDT4 4306
					DOOR						
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	TD4 2720	TD4 3020	TD4 3220	TD4 3620	TD4 3620	TD4 4020	TD4 4320
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	TD4 2721	TD4 3021	TD4 3221	TD4 3621	TD4 3621	TD4 4021	TD4 4321
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	TD4 2770	TD4 3070	TD4 3270	TD4 3670	TD4 3670	TD4 4070	TD4 4370
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	TD4 2724	TD4 3024	TD4 3224	TD4 3624	TD4 3624	TD4 4024	TD4 4324
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	TD4 2780	TD4 3080	TD4 3280	TD4 3680	TD4 3680	TD4 4080	TD4 4380
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	88 3/8" [2244]	TD4 2725	TD4 3025	TD4 3225	TD4 3625	TD4 3625	TD4 4025	TD4 4325
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	TD4 2727	TD4 3027	TD4 3227	TD4 3627	TD4 3627	TD4 4027	TD4 4327

Height

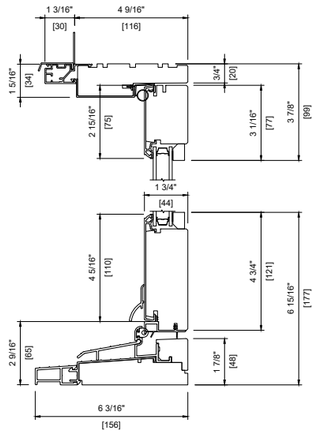
* Fixed Sidelite

Swinging Terrace & French Doors -
1.75 Inch - **Narrow Stile (3") TD**

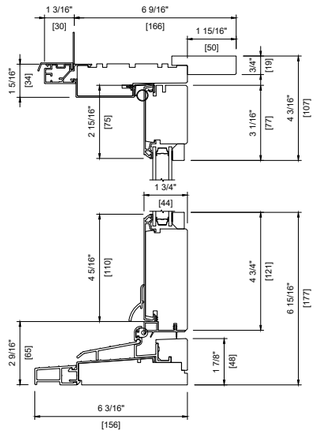
Drawings

Inswing

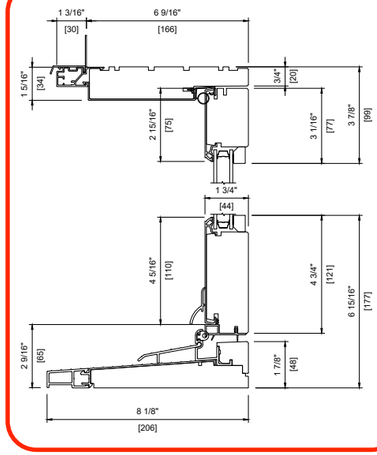
HEAD & SILL DETAIL



METAL CLAD DOUBLE
4 $\frac{3}{16}$" (116 mm)

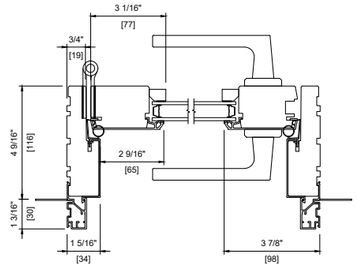


METAL CLAD DOUBLE
6 $\frac{3}{16}$" (166 mm)

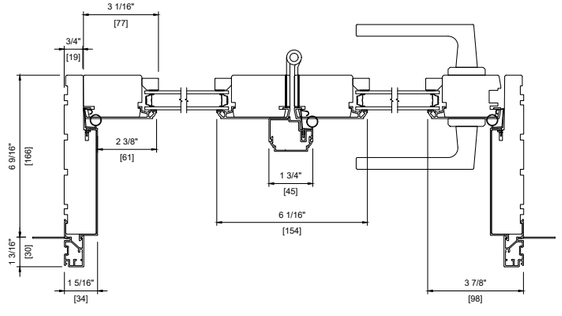


METAL CLAD DOUBLE
6 $\frac{3}{16}$" (166 mm)
FULL JAMB

PLAN VIEW



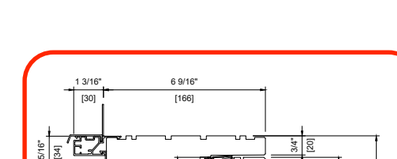
METAL CLAD DOUBLE
ONE PANEL
4 $\frac{3}{16}$" (116 mm)



METAL CLAD DOUBLE
TWO PANEL
6 $\frac{3}{16}$" (166 mm)

GLAZING STOP PROFILES

Casing



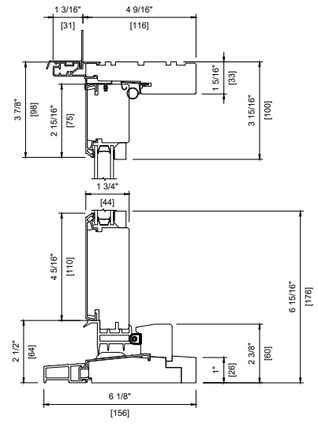
2" CLAD FRAME EXTENSION

Swinging Terrace & French Doors -
1.75 Inch - **Narrow Stile (3") TD**

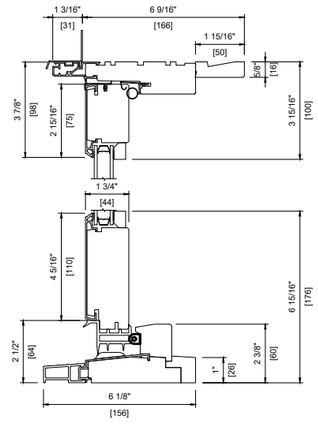
Drawings

Outswing

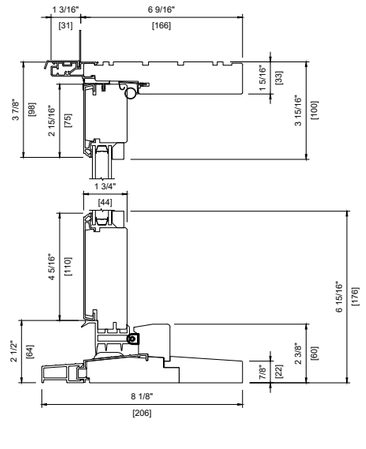
HEAD & SILL DETAIL



METAL CLAD DOUBLE
4 $\frac{3}{16}$" (116 mm)

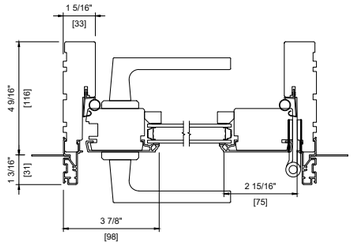


METAL CLAD DOUBLE
6 $\frac{3}{16}$" (166 mm)

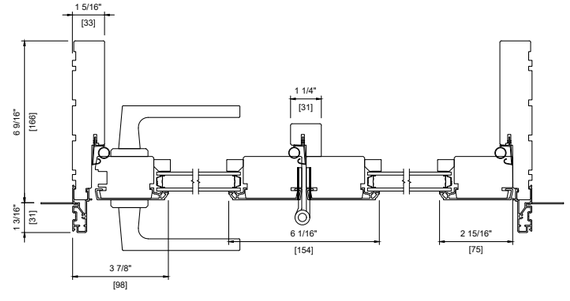


METAL CLAD DOUBLE
6 $\frac{3}{16}$" (166 mm)
FULL JAMB

PLAN VIEW



METAL CLAD DOUBLE
ONE PANEL
4 $\frac{3}{16}$" (116 mm)



METAL CLAD DOUBLE
TWO PANEL
6 $\frac{3}{16}$" (166 mm)

GLAZING STOP PROFILES

Casing

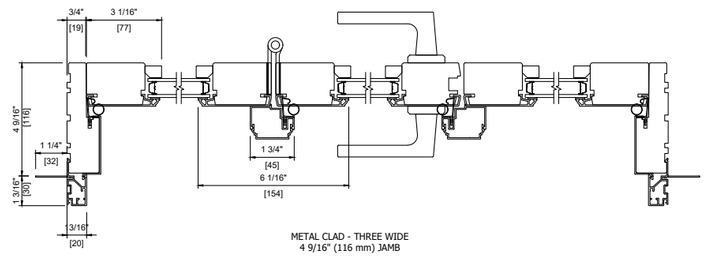
2" CLAD FRAME EXTENSION

Swinging Terrace & French Doors -
1.75 Inch - **Narrow Stile (3") TD**

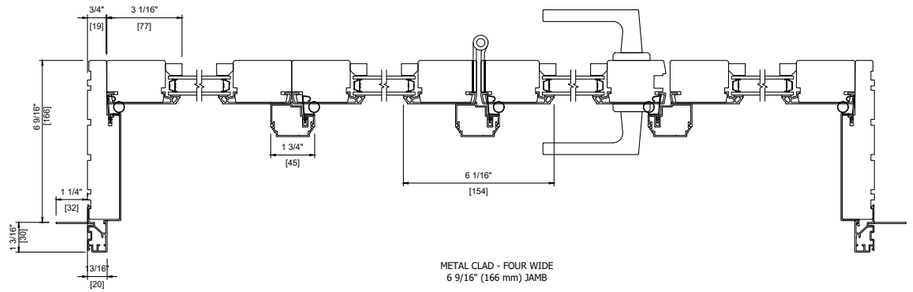
Drawings

3 & 4 Wide Inswing & Outswing

PLAN VIEW
INSWING

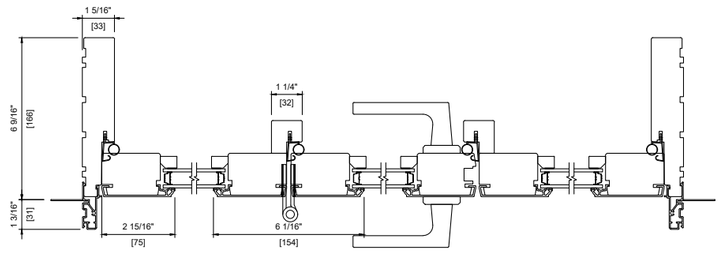


METAL CLAD - THREE WIDE
4 9/16" (116 mm) JAMB

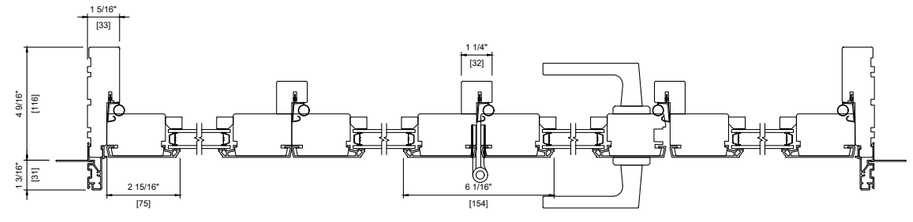


METAL CLAD - FOUR WIDE
6 9/16" (166 mm) JAMB

PLAN VIEW
OUTSWING



METAL CLAD - THREE WIDE
6 9/16" (166 mm) JAMB



METAL CLAD - FOUR WIDE
4 9/16" (116 mm) JAMB

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

Size Charts

TD1

Width

Height

Rough Opening Inswing with Jamb Extension					19 1/8" [485]	25" [635]	31 7/8" [809]	35 1/8" [892]	37 3/4" [959]	39 5/16" [999]	41 11/16" [1059]	45 1/4" [1150]
	Rough Opening				18 7/16" [469]	24 3/8" [619]	31 1/4" [793]	34 1/2" [876]	37 1/8" [943]	38 11/16" [983]	41 1/16" [1043]	44 5/8" [1134]
		Frame			17 11/16" [450]	23 5/8" [600]	30 1/2" [774]	33 3/4" [857]	36 3/8" [924]	37 15/16" [964]	40 5/16" [1024]	43 7/8" [1115]
			Panel		15 13/16" [402]	21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/16" [916]	38 7/16" [976]	42" [1067]
				Visible Glass	7 3/16" [182]	13 1/16" [332]	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	27 3/8" [696]	29 3/4" [756]	33 3/8" [847]
					TRANSOM							
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT1 0404	*TDT1 0604	*TDT1 0704	*TDT1 0804	*TDT1 0904	*TDT1 0904	*TDT1 1004	*TDT1 1104
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT1 0406	*TDT1 0606	*TDT1 0706	*TDT1 0806	*TDT1 0906	*TDT1 0906	*TDT1 1006	*TDT1 1106
					VENTING SUITE		DOORS					
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	^VTD1 0420	^VTD1 0620	TD1 0720	TD1 0820	TD1 0920	TD1 0920	TD1 1020	TD1 1120
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	^VTD1 0421	^VTD1 0621	TD1 0721	TD1 0821	TD1 0921	TD1 0921	TD1 1021	TD1 1121
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	^VTD1 0470	^VTD1 0670	TD1 0770	TD1 0870	TD1 0970	TD1 0970	TD1 1070	TD1 1170
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	^VTD1 0424	^VTD1 0624	TD1 0724	TD1 0824	TD1 0924	TD1 0924	TD1 1024	TD1 1124
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	^VTD1 0480	^VTD1 0680	TD1 0780	TD1 0880	TD1 0980	TD1 0980	TD1 1080	TD1 1180
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	^VTD1 0425	^VTD1 0625	TD1 0725	TD1 0825	TD1 0925	TD1 0925	TD1 1025	TD1 1125
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]			TD1 0727	TD1 0827	TD1 0927	TD1 0927	TD1 1027	TD1 1127
124 5/16 [3157]	124" [3150]	123 7/16" [3135]	120 3/8" [3057]	107 13/16" [2738]			TD1 0732	TD1 0832	TD1 0932	TD1 0932	TD1 1032	

* Transom units
^ Venting or fixed

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

Size Charts

TD2

Width

Height

Rough Opening Inswing with Jamb Extension					46 3/4" [1187]	60 7/16" [1535]	66 15/16" [1701]	72 1/4" [1835]	75 3/8" [1915]	80 1/8" [2035]	87 5/16" [2217]
	Rough Opening				46 1/8" [1171]	59 13/16" [1519]	66 5/16" [1685]	71 5/8" [1819]	74 3/4" [1899]	79 1/2" [2019]	86 5/8" [2201]
		Frame			45 3/8" [1152]	59 1/16" [1500]	65 9/16" [1666]	70 7/8" [1800]	70 7/8" [1880]	78 3/4" [2000]	85 7/8" [2182]
			Panel		21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/16" [916]	38 7/16" [976]	42" [1067]
				Visible Glass	13 1/16" [332]	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	27 3/8" [696]	29 3/4" [756]	33 3/8" [847]
					TRANSOM						
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT2 1204	*TDT2 1504	*TDT2 1604	*TDT2 1804	*TDT2 1804	*TDT2 2004	*TDT2 2204
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT2 1206	*TDT2 1506	*TDT2 1606	*TDT2 1806	*TDT2 1806	*TDT2 2006	*TDT2 2206
					DOORS						
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	TD2 1220	TD2 1520	TD2 1620	TD2 1820	TD2 1820	TD2 2020	TD2 2220
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	TD2 1221	TD2 1521	TD2 1621	TD2 1821	TD2 1821	TD2 2021	TD2 2221
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	TD2 1270	TD2 1570	TD2 1670	TD2 1870	TD2 1870	TD2 2070	TD2 2270
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	TD2 1224	TD2 1524	TD2 1624	TD2 1824	TD2 1824	TD2 2024	TD2 2224
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	TD2 1280	TD2 1580	TD2 1680	TD2 1880	TD2 1880	TD2 2080	TD2 2280
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	TD2 1225	TD2 1525	TD2 1625	TD2 1825	TD2 1825	TD2 2025	TD2 2225
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	TD2 1227	TD2 1527	TD2 1627	TD2 1827	TD2 1827	TD2 2027	TD2 2227
124 5/16 [3157]	124" [3150]	123 7/16" [3135]	120 3/8" [3057]	107 13/16" [2738]	TD2 1232	TD2 1532	TD2 1632	TD2 1832	TD2 1832	TD2 2032	

* Transom units

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

Size Charts

TD3

Width

Height

Rough Opening Inswing with Jamb Extension					89" [2261]	98 13/16" [2510]	106 3/4" [2711]	111 7/16" [2831]	118 9/16" [3011]	129 5/16" [3284]
	Rough Opening				88 3/8" [2245]	98 3/16" [2494]	106 1/16" [2695]	110 13/16" [2815]	117 7/8" [2995]	128 11/16" [3268]
		Frame			87 5/8" [2226]	97 7/16" [2475]	105 5/16" [2676]	110 1/16" [2796]	117 1/8" [2976]	127 15/16" [3249]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/16" [916]	38 7/16" [976]	42" [1067]
				Visible Glass	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	27 3/8" [696]	29 3/4" [756]	33 3/8" [847]
					TRANSOM					
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT3 2204	*TDT3 2404	*TDT3 2704	*TDT3 2704	*TDT3 3004	*TDT3 3204
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT3 2206	*TDT3 2406	*TDT3 2706	*TDT3 2706	*TDT3 3006	*TDT3 3206
					DOORS					
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	TD3 2220	TD3 2420	TD3 2720	TD3 2720	TD3 3020	TD3 3220
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	TD3 2221	TD3 2421	TD3 2721	TD3 2721	TD3 3021	TD3 3221
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	TD3 2270	TD3 2470	TD3 2770	TD3 2770	TD3 3070	TD3 3270
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	TD3 2224	TD3 2424	TD3 2724	TD3 2724	TD3 3024	TD3 3224
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	TD3 2280	TD3 2480	TD3 2780	TD3 2780	TD3 3080	TD3 3280
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	TD3 2225	TD3 2425	TD3 2725	TD3 2725	TD3 3025	TD3 3225
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	TD3 2227	TD3 2427	TD3 2727	TD3 2727	TD3 3027	TD3 3227

* Transom units

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

Size Charts

TD4

Width

Rough Opening Inswing with Jamb Extension					117 5/8" [2988]	130 11/16" [3320]	141 1/4" [3588]	147 1/2" [3747]	157" [3988]	171 5/16" [4352]
	Rough Opening				117" [2972]	130 1/16" [3304]	140 5/8" [3572]	146 7/8" [3731]	156 3/8" [3972]	170 11/16" [4336]
		Frame			116 1/4" [2953]	129 5/16" [3285]	139 7/8" [3553]	146 1/8" [3712]	155 5/8" [3953]	169 15/16" [4317]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/16" [916]	38 7/16" [976]	42" [1067]
				Visible Glass	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	27 3/8" [696]	29 3/4" [756]	33 3/8" [847]
					TRANSOM					
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT4 3004	*TDT4 3204	*TDT4 3604	*TDT4 3604	*TDT4 4004	*TDT4 4304
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT4 3006	*TDT4 3206	*TDT4 3606	*TDT4 3606	*TDT4 4006	*TDT4 4306
					DOORS					
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	TD4 3020	TD4 3220	TD4 3620	TD4 3620	TD4 4020	TD4 4320
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	TD4 3021	TD4 3221	TD4 3621	TD4 3621	TD4 4021	TD4 4321
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	TD4 3070	TD4 3270	TD4 3670	TD4 3670	TD4 4070	TD4 4370
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	TD4 3024	TD4 3224	TD4 3624	TD4 3624	TD4 4024	TD4 4324
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	TD4 3080	TD4 3280	TD4 3680	TD4 3680	TD4 4080	TD4 4380
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	TD4 3025	TD4 3225	TD4 3625	TD4 3625	TD4 4025	TD4 4325
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	TD4 3027	TD4 3227	TD4 3627	TD4 3627	TD4 4027	TD4 4327

Height

* Transom units

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

Size Charts

Cambertop TD1

Width

Rough Opening Inswing with Jamb Extension					31 7/8" [809]	35 1/82" [892]	37 3/4" [959]	39 5/16" [999]	41 11/16" [1059]	45 1/4" [1150]
	Rough Opening				31 1/4" [793]	34 1/2" [876]	37 1/8" [943]	38 11/16" [983]	41 1/16" [1043]	44 5/8" [1134]
		Frame			30 1/2" [774]	33 3/4" [857]	36 3/8" [924]	37 15/16" [964]	40 5/16" [1024]	43 7/8" [1115]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/16" [916]	38 7/16" [976]	42" [1067]
				Visible Glass	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	27 3/8" [696]	29 3/4" [756]	33 3/8" [847]
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 15/16" [1624]	CTTD1 0720	CTTD1 0820	CTTD1 0920	CTTD1 0920	CTTD1 1020	CTTD1 1120
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	CTTD1 0721	CTTD1 0821	CTTD1 0921	CTTD1 0921	CTTD1 1021	CTTD1 1121
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	CTTD1 0770	CTTD1 0870	CTTD1 0970	CTTD1 0970	CTTD1 1070	CTTD1 1170
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	CTTD1 0724	CTTD1 0824	CTTD1 0924	CTTD1 0924	CTTD1 1024	CTTD1 1124
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	CTTD1 0780	CTTD1 0880	CTTD1 0980	CTTD1 0980	CTTD1 1080	CTTD1 1180
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	CTTD1 0725	CTTD1 0825	CTTD1 0925	CTTD1 0925	CTTD1 1025	CTTD1 1125
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	CTTD1 0727	CTTD1 0827	CTTD1 0927	CTTD1 0927	CTTD1 1027	CTTD1 1127
124 5/16 [3157]	124" [3150]	123 7/16" [3135]	120 3/8" [3057]	107 13/16" [2738]	CTTD1 0732	CTTD1 0832	CTTD1 0932			

Height

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

Size Charts

Cambertop TD2

Width

Height

Rough Opening Inswing with Jamb Extension					46 3/4" [1187]	60 7/16" [1535]	66 15/16" [1701]	72 1/4" [1835]	75 3/8" [1915]	80 1/8" [2035]	87 5/16" [2217]
	Rough Opening				46 1/8" [1171]	59 13/16" [1519]	66 5/16" [1685]	70 5/8" [1819]	74 3/4" [1899]	79 1/2" [2019]	86 5/8" [2201]
		Frame			45 3/8" [1152]	59 1/16" [1500]	65 9/16" [1666]	70 7/8" [1800]	70 7/8" [1880]	78 3/4" [2000]	85 7/8" [2182]
			Panel		21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/16" [916]	38 7/16" [976]	42" [1067]
				Visible Glass	13 1/16" [332]	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	27 3/8" [696]	29 3/4" [756]	33 3/8" [847]
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 3/4" [1619]	CTTD2 1220	CTTD2 1520	CTTD2 1620	CTTD2 1820	CTTD2 1820	CTTD2 2020	CTTD2 2220
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 1/2" [1664]	CTTD2 1221	CTTD2 1521	CTTD2 1621	CTTD2 1821	CTTD2 1821	CTTD2 2021	CTTD2 2221
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/16" [1783]	CTTD2 1270	CTTD2 1570	CTTD2 1670	CTTD2 1870	CTTD2 1870	CTTD2 2070	CTTD2 2270
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 3/4" [1999]	CTTD2 1224	CTTD2 1524	CTTD2 1624	CTTD2 1824	CTTD2 1824	CTTD2 2024	CTTD2 2224
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	CTTD2 1280	CTTD2 1580	CTTD2 1680	CTTD2 1880			
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 5/16" [2115]	CTTD2 1225	CTTD2 1525	CTTD2 1625	CTTD2 1825			
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 1/2" [2299]	CTTD2 1227	CTTD2 1527	CTTD2 1627	CTTD2 1827			
124 5/16 [3157]	124" [3150]	123 7/16" [3135]	120 3/8" [3057]	107 13/16" [2738]	CTTD2 1232	CTTD2 1532	CTTD2 1632	CTTD2 1832			

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

Size Charts

Quarter Round TD1

Width

Height

Rough Opening Inswing with Jamb Extension					31 7/8" [809]	35 1/82" [892]	37 3/4" [959]	39 5/16" [999]
	Rough Opening				31 1/4" [793]	34 1/2" [876]	37 1/8" [943]	38 11/16" [983]
		Frame			30 1/2" [774]	33 3/4" [857]	36 3/8" [924]	37 15/16" [964]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/16" [916]
				Visible Glass	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	27 3/8" [696]
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 3/8" [1610]	CTTD1 0720	CTTD1 0820		
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 3/16" [1655]	CTTD1 0721	CTTD1 0821	CTTD1 0921	CTTD1 0921
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	69 7/8" [1774]	CTTD1 0770	CTTD1 0870	CTTD1 0970	CTTD1 0970
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 3/8" [1990]	CTTD1 0724	CTTD1 0824	CTTD1 0924	CTTD1 0924
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	CTTD1 0780	CTTD1 0880	CTTD1 0980	CTTD1 0980
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	82 15/16" [2106]	CTTD1 0725	CTTD1 0825	CTTD1 0925	CTTD1 0925
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 3/16" [2290]	CTTD1 0727	CTTD1 0827	CTTD1 0927	CTTD1 0927
124 5/16 [3157]	124" [3150]	123 7/16" [3135]	120 3/8" [3057]	107 13/16" [2738]	CTTD1 0732	CTTD1 0832	CTTD1 0932	CTTD1 0932

* Availability of half/quarter doors in metal clad may be limited. Consult you Authorized Loewen Dealer

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

Size Charts

Quarter Round TD2

Rough Opening Inswing with Jamb Extension					60 7/16" [1535]	66 15/16" [1701]	72 1/4" [1835]	39 5/16" [999]
	Rough Opening				59 13/16" [1519]	66 5/16" [1685]	70 5/8" [1819]	38 11/16" [983]
		Frame			59 1/16" [1500]	65 9/16" [1666]	70 7/8" [1800]	37 15/16" [964]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [87]6	36 1/16" [916]
				Visible Glass	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	27 3/8" [696]
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 3/8" [1610]	CTTD2 1520	CTTD2 1620		
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 3/16" [1655]	CTTD2 1521	CTTD2 1621	CTTD2 1821	CTTD2 1821
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	69 7/8" [1774]	CTTD2 1570	CTTD2 1670	CTTD2 1870	CTTD2 1870
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 3/8" [1990]	CTTD2 1524	CTTD2 1624	CTTD2 1824	CTTD2 1824
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	CTTD2 1580	CTTD2 1680	CTTD2 1880	CTTD2 1880
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	82 15/16" [2106]	CTTD2 1525	CTTD2 1625	CTTD2 1825	CTTD2 1825
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 3/16" [2290]	CTTD2 1527	CTTD2 1627	CTTD2 1827	CTTD2 1827
124 5/16 [3157]	124" [3150]	123 7/16" [3135]	120 3/8" [3057]	107 13/16" [2738]	CTTD2 1532	CTTD2 1632	CTTD2 1832	CTTD2 1832

Width

Height

* Availablility of half/quarter doors in metal clad may be limited. Consult you Authorized Loewen Dealer

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

Size Charts

Half Round TD1 Non-Clad

Rough Opening Inswing with Jamb Extension					31 7/8" [809]	35 1/82" [892]	37 3/4" [959]	39 5/16" [999]
	Rough Opening				31 1/4" [793]	34 1/2" [876]	37 1/8" [943]	38 11/16" [983]
		Frame			30 1/2" [774]	33 3/4" [857]	36 3/8" [924]	37 15/16" [964]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/16" [916]
				Visible Glass	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	27 3/8" [696]
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	CTTD1 0721	CTTD1 0821	CTTD1 0921	CTTD1 0921
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	CTTD1 0770	CTTD1 0870	CTTD1 0970	CTTD1 0970
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	CTTD1 0724	CTTD1 0824	CTTD1 0924	CTTD1 0924
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	CTTD1 0780	CTTD1 0880	CTTD1 0980	CTTD1 0980
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	CTTD1 0725	CTTD1 0825	CTTD1 0925	CTTD1 0925
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	CTTD1 0727	CTTD1 0827	CTTD1 0927	CTTD1 0927
124 5/16 [3157]	124" [3150]	123 7/16" [3135]	120 3/8" [3057]	107 13/16" [2738]	CTTD1 0732	CTTD1 0832	CTTD1 0932	CTTD1 0932

Width

Height

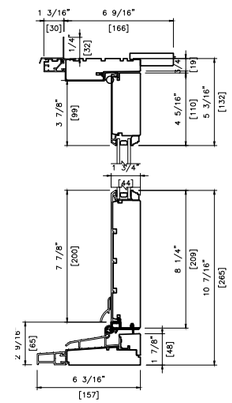
* Availablility of half/quarter doors in metal clad may be limited. Consult you Authorized Loewen Dealer

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

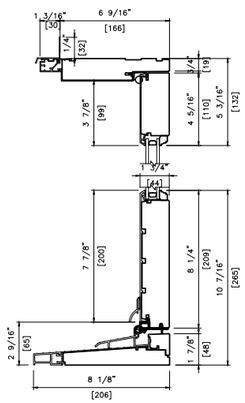
Drawings

Inswing

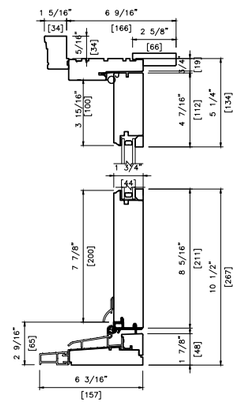
HEAD & SILL DETAIL



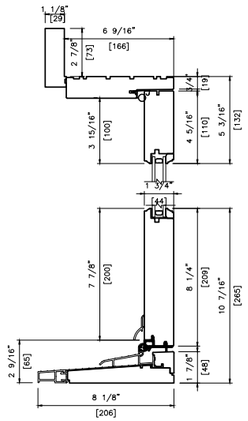
METAL CLAD DOUBLE
6 9/16" (166mm)



METAL CLAD DOUBLE
6 9/16" (166mm) FULL JAMB

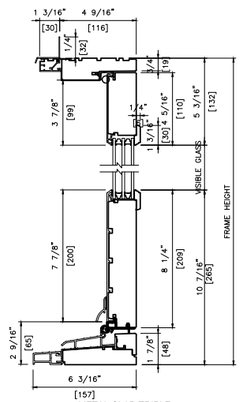


WOOD EXTERIOR DOUBLE
6 9/16" (166mm)
2" BRICKMOULD
SQUARE STOP

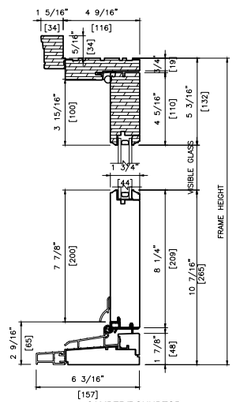


WOOD EXTERIOR DOUBLE
6 9/16" (166mm) FULL JAMB
3 1/2" FLAT CASING

HEAD & SILL DETAIL



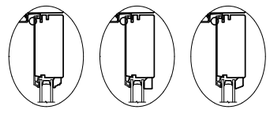
METAL CLAD TRIPLE
4 9/16" (116mm)
TRIPLE GLAZING STOP



CAMBER/ROUNDTOP
WOOD EXTERIOR DOUBLE
4 9/16" (116mm)
2" BRICKMOULD

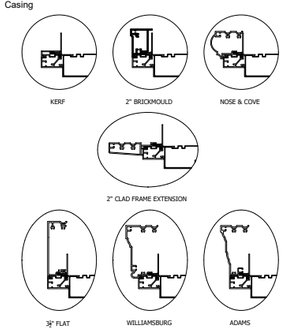
RADIUS
COMPONENT

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

Casing



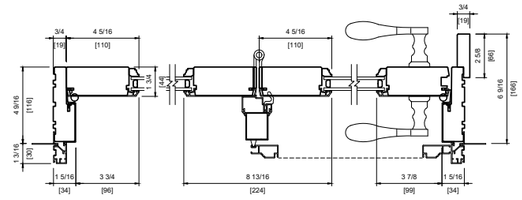
KERF 2" BRICKMOULD NOSE & COVE
2" CLAD FRAME EXTENSION
3/4" FLAT WILLIAMSBURG ADAMS

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

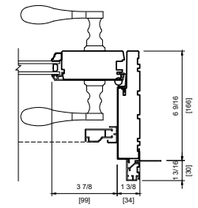
Drawings

Inswing (cont'd)

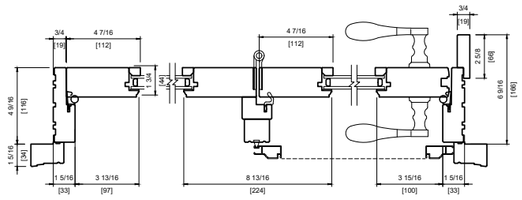
PLAN VIEW



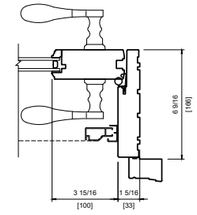
METAL CLAD DOUBLE
TWO PANEL



METAL CLAD DOUBLE
6 9/16" (166 mm) FULL JAMB

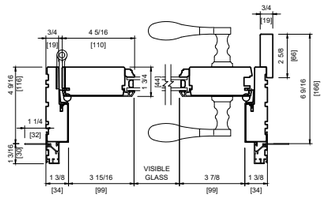


WOOD EXTERIOR DOUBLE
TWO PANEL 2" BRICKMOULD
SQUARE STOP

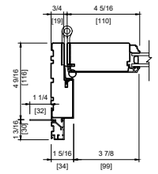


WOOD EXTERIOR DOUBLE
6 9/16" (166 mm) FULL JAMB
2" BRICKMOULD

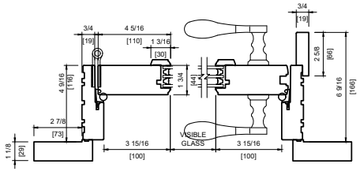
PLAN VIEW



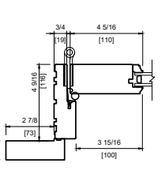
METAL CLAD DOUBLE
ONE PANEL



METAL CLAD DOUBLE
CAMBERTOP

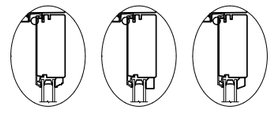


WOOD EXTERIOR TRIPLE
ONE PANEL
3 1/2" FLAT CASING
TRIPLE GLAZING STOP



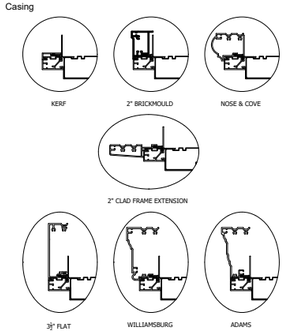
WOOD EXTERIOR DOUBLE
CAMBERTOP
3 1/2" FLAT CASING

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

Casing



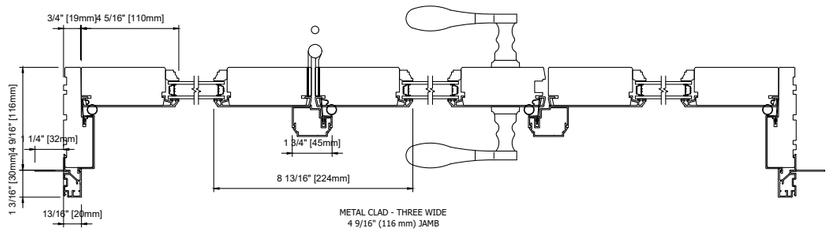
KERF 2" BRICKMOULD NOSE & COVE
2" CLAD FRAME EXTENSION
3/4" FLAT WILLIAMSBURG ADAMS

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

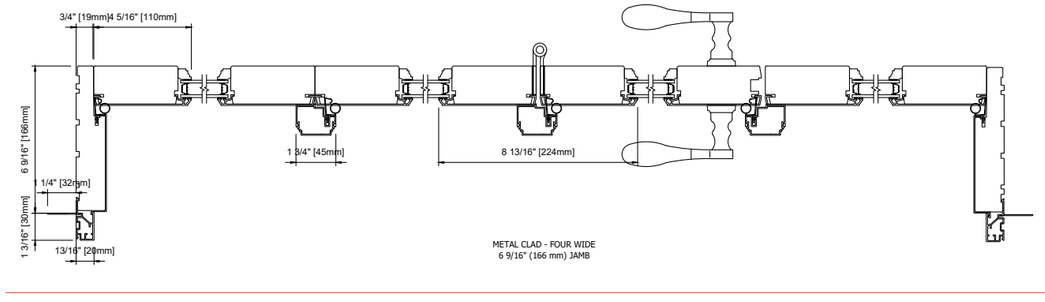
Drawings

3 & 4 Wide Inswing

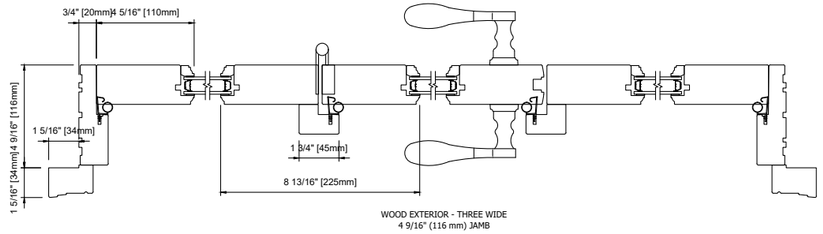
PLAN VIEW



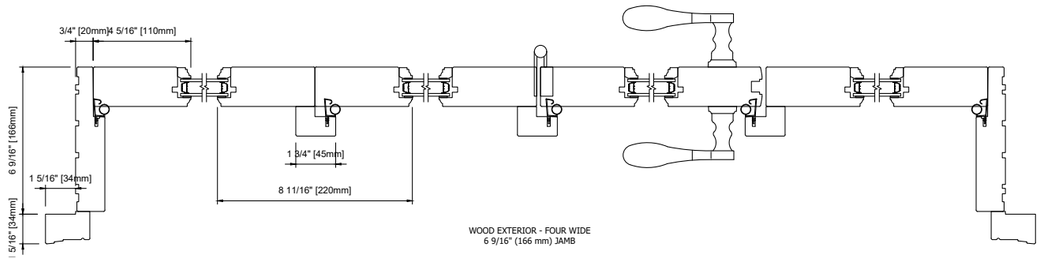
METAL CLAD - THREE WIDE
4 9/16" (116 mm) JAMB



METAL CLAD - FOUR WIDE
6 9/16" (166 mm) JAMB



WOOD EXTERIOR - THREE WIDE
4 9/16" (116 mm) JAMB



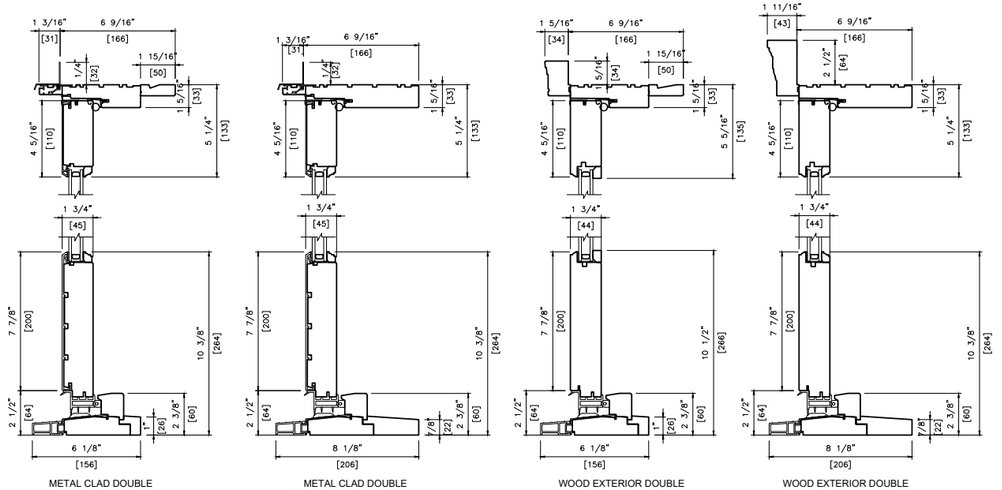
WOOD EXTERIOR - FOUR WIDE
6 9/16" (166 mm) JAMB

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

Drawings

Outswing

HEAD & SILL DETAILS



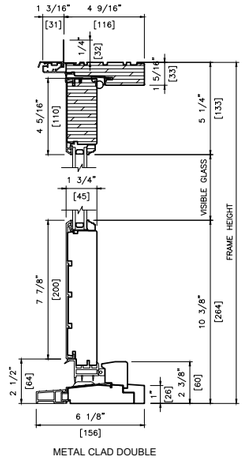
METAL CLAD DOUBLE
6 9/16" (166mm)

METAL CLAD DOUBLE
6 9/16" (166mm) FULL JAMB

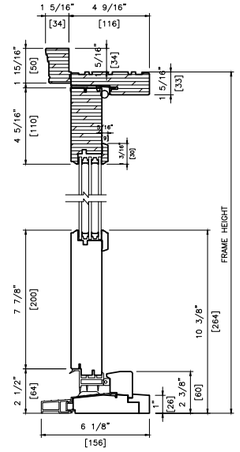
WOOD EXTERIOR DOUBLE
6 9/16" (166mm) 2" BRICKMOULD
SQUARE STOP

WOOD EXTERIOR DOUBLE
6 9/16" (166mm) FULL JAMB
ADAMS CASING

HEAD & SILL DETAILS



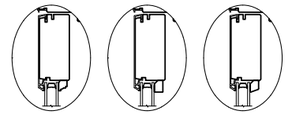
METAL CLAD DOUBLE
CAMBERTOP
4 9/16" (116mm)



WOOD EXTERIOR TRIPLE
CAMBERTOP 2" BRICKMOULD
TRIPLE GLAZING STOP

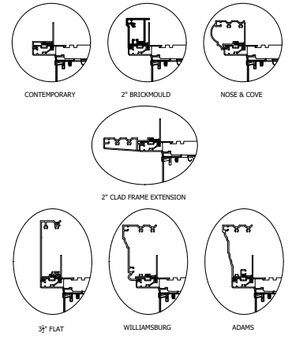
RADIUS
COMPONENT

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

Casing



CONTEMPORARY 2" BRICKMOULD NOSE & COVE

2" CLAD FRAME EXTENSION

3/4" FLAT WILLIAMSBURG ADAMS

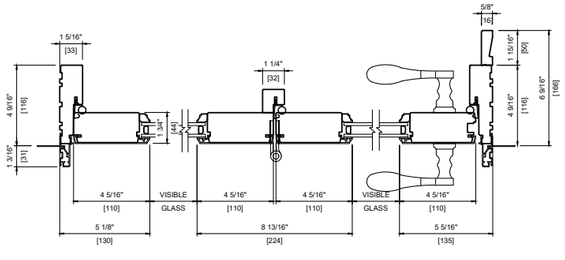
SEE PAGE A22 FOR DIMENSIONS.

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

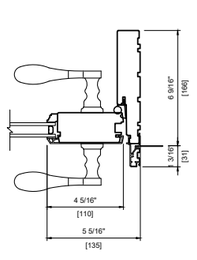
Drawings

Outswing (cont'd)

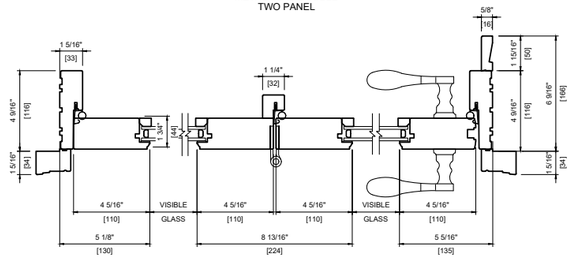
PLAN VIEW



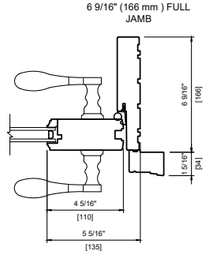
METAL CLAD DOUBLE
TWO PANEL



METAL CLAD DOUBLE
6 9/16" (166 mm) FULL JAMB

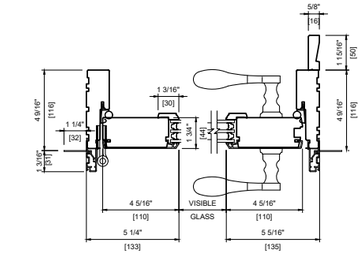


WOOD EXTERIOR DOUBLE
TWO PANEL 2 BRICKMOULD
SQUARE STOP

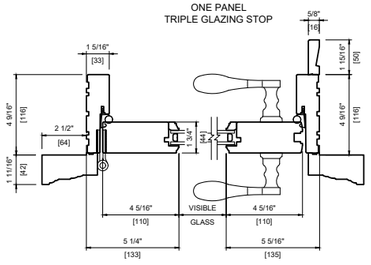


WOOD EXTERIOR DOUBLE
6 9/16" (166 mm) FULL JAMB
2" BRICKMOULD

PLAN VIEW

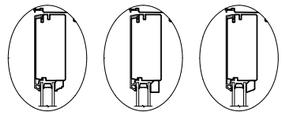


METAL CLAD TRIPLE
ONE PANEL
TRIPLE GLAZING STOP

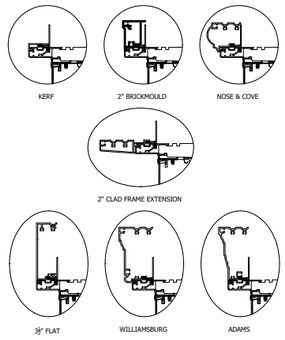


WOOD EXTERIOR DOUBLE
ONE PANEL
ADAMS CASING

GLAZING STOP PROFILES



Casing

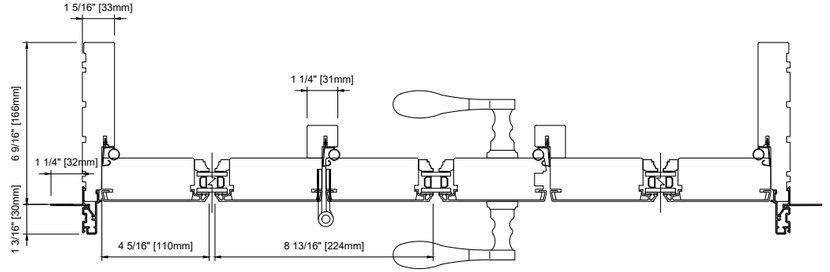


Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

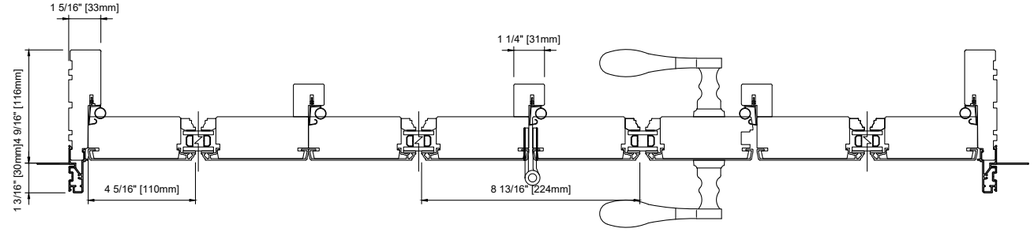
Drawings

3 & 4 Wide Outswing

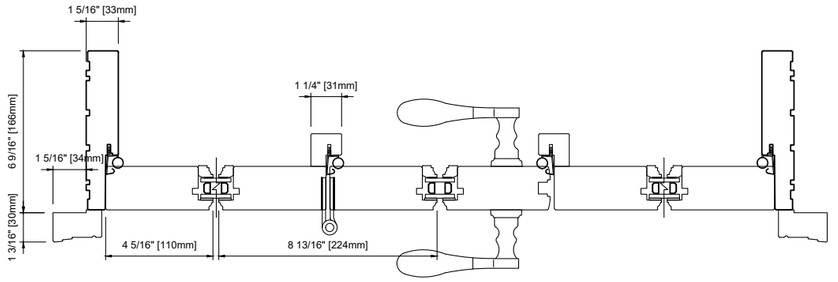
PLAN VIEW



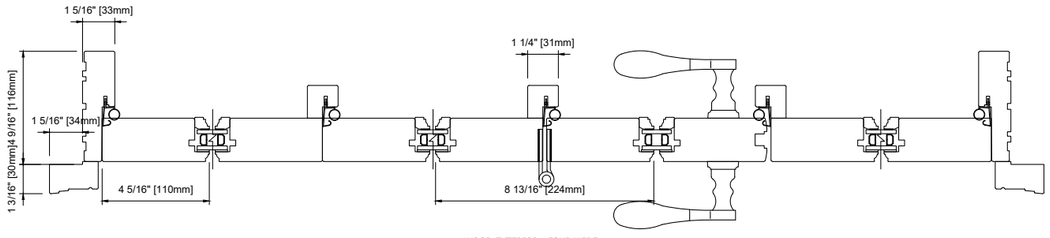
METAL CLAD - THREE WIDE
4 9/16" (116 mm) JAMB



METAL CLAD - FOUR WIDE
6 9/16" (166 mm) JAMB



WOOD EXTERIOR - THREE WIDE
6 9/16" (166 mm) JAMB



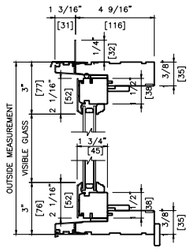
WOOD EXTERIOR - FOUR WIDE
4 9/16" (116 mm) JAMB

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") TD**

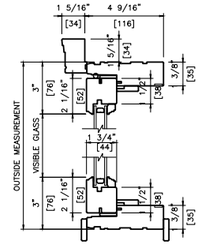
Drawings

Transom Rail

HEAD & SILL DETAIL

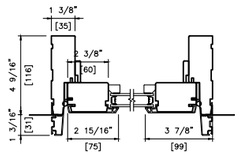


METAL CLAD DOUBLE
2 1/16" (52mm) RAILS

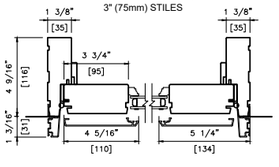


WOOD EXTERIOR DOUBLE
2 1/16" (52mm) RAILS
2" BRICKMOULD

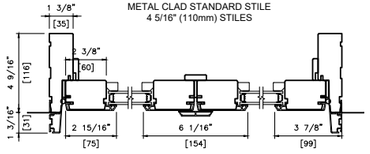
PLAN VIEW



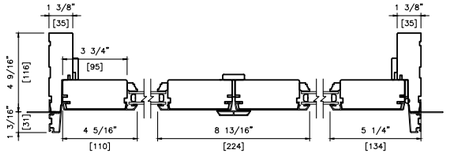
METAL CLAD NARROW STILE
3" (75mm) STILES



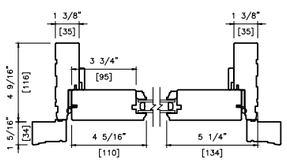
METAL CLAD STANDARD STILE
4 5/16" (110mm) STILES



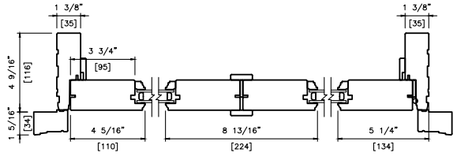
METAL CLAD NARROW STILE
TWO WIDE
3" (75mm) STILES



METAL CLAD STANDARD STILE
4 5/16" (110mm) STILES
2-PANEL



WOOD EXTERIOR STANDARD STILE
4 5/16" (110mm) STILES



WOOD EXTERIOR STANDARD STILE
4 5/16" (110mm) STILES
2-PANEL

Swinging Terrace & French Doors -
1.75 Inch - **Narrow Stile (3") FD**

Size Charts

FD2

Width

Rough Opening Inswing with Jamb Extension					47 7/8" [1216]	61 9/16" [1564]	68 1/8" [1730]	73 3/8" [1864]	76 9/16" [1944]	81 1/4" [2064]	88 7/16" [2246]
	Rough Opening				47 1/4" [1200]	60 15/16" [1548]	67 1/2" [1714]	72 3/4" [1848]	75 7/8" [1928]	80 5/8" [2048]	87 13/16" [2230]
		Frame			46 1/2" [1181]	60 3/16" [1529]	66 3/4" [1695]	72" [1829]	75 3/16" [1909]	79 7/8" [2029]	87 1/16" [2211]
			Panel		21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/6" [916]	38 7/16" [976]	42" [1067]
				Visible Glass	15 13/16" [402]	22 11/16" [576]	25 15/16" [659]	28 9/16" [726]	27 3/8" [696]	32 1/2" [826]	33 3/8" [847]
					TRANSOM						
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT2 1204	*FDT2 1504	*FDT2 1604	*FDT2 1804	*FDT2 1804	*FDT2 2004	*FDT2 2204
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT2 1206	*FDT2 1506	*FDT2 1606	*FDT2 1806	*FDT2 1806	*FDT2 2006	*FDT2 2206
					DOOR						
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	FD2 1220	FD2 1520	FD2 1620	FD2 1820	FD2 1820	FD2 2020	FD2 2220
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	FD2 1221	FD2 1521	FD2 1621	FD2 1821	FD2 1821	FD2 2021	FD2 2221
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	FD2 1270	FD2 1570	FD2 1670	FD2 1870	FD2 1870	FD2 2070	FD2 2270
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	FD2 1224	FD2 1524	FD2 1624	FD2 1824	FD2 1824	FD2 2024	FD2 2224
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	FD2 1280	FD2 1580	FD2 1680	FD2 1880	FD2 1880	FD2 2080	FD2 2280
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	88 3/8" [2244]	FD2 1225	FD2 1525	FD2 1625	FD2 1825	FD2 1825	FD2 2025	FD2 2225
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	FD2 1227	FD2 1527	FD2 1627	FD2 1827	FD2 1827	FD2 2027	FD2 2227

Height

* Transom units

Swinging Terrace & French Doors -
1.75 Inch - **Narrow Stile (3") FD**

Size Charts

FD3

Width

Rough Opening Inswing with Jamb Extension					90 3/16" [2290]	100" [2539]	107 7/8" [2740]
	Rough Opening				89 1/2" [2274]	99 5/16" [2523]	107 1/4" [2724]
		Frame			88 3/4" [2255]	98 9/16" [2504]	106 1/2" [2705]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]
				Visible Glass	22 11/16" [576]	25 15/16" [659]	28 9/16" [726]
					TRANSOM		
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT3 2204	*FDT3 2404	*FDT3 2704
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT3 2206	*FDT3 2406	*FDT3 2706
					DOOR		
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	FD3 2220	FD3 2420	FD3 2720
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	FD3 2221	FD3 2421	FD3 2721
86 7/8" [2206	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	FD3 2270	FD3 2470	FD3 2770
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	FD3 2224	FD3 2424	FD3 2724
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	FD3 2280	FD3 2480	FD3 2780
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	88 3/8" [2244]	FD3 2225	FD3 2425	FD3 2725
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	FD3 2227	FD3 2427	FD3 2727

Height

* Transom units

Swinging Terrace & French Doors -
1.75 Inch - **Narrow Stile (3") FD**

Size Charts

FD4

Width

Rough Opening Inswing with Jamb Extension					118 3/4" [3016]	131 13/16" [3348]	142 3/8" [3616]	148 11/16" [3776]	158 1/8" [4016]
	Rough Opening				118 1/8" [3000]	131 3/16" [3332]	141 3/4" [3600]	148" [3760]	157 1/2" [4000]
		Frame			117 3/8" [2981]	130 7/16" [3313]	141" [3581]	147 5/16" [3741]	156 3/4" [3981]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/6" [916]	38 7/16" [976]
				Visible Glass	22 11/16" [576]	25 15/16" [659]	28 9/16" [726]	27 3/8" [696]	32 1/2" [826]
					TRANSOM				
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT4 3004	*FDT4 3304	*FDT4 3604	*FDT4 3604	*FDT4 4004
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT4 3006	*FDT4 3306	*FDT4 3606	*FDT4 3606	*FDT4 4006
					DOOR				
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	FD4 3020	FD4 3320	FD4 3620	FD4 3620	FD4 4020
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	FD4 3021	FD4 3321	FD4 3621	FD4 3621	FD4 4021
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	FD4 3070	FD4 3370	FD4 3670	FD4 3670	FD4 4070
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	FD4 3024	FD4 3324	FD4 3624	FD4 3624	FD4 4024
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	FD4 3080	FD4 3380	FD4 3680		
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	88 3/8" [2244]	FD4 3025	FD4 3325	FD4 3625		
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	FD4 30027	FD4 3327	FD4 3627		

Height

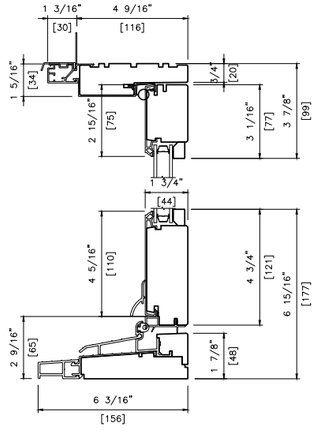
* Transom units

Swinging Terrace & French Doors -
1.75 Inch - **Narrow Stile (3") FD**

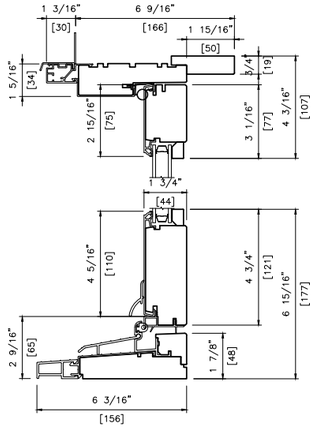
Drawings

Inswing

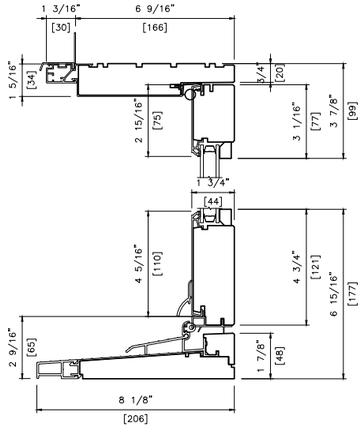
HEAD & SILL DETAIL



METAL CLAD DOUBLE
4 $\frac{9}{16}$" (116 mm)

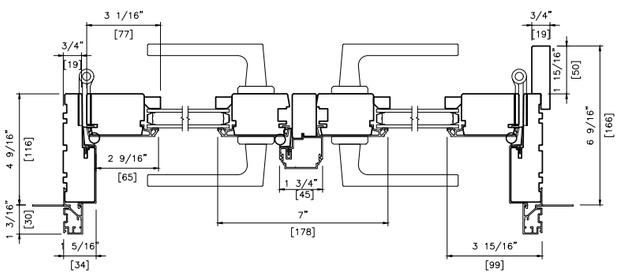


METAL CLAD DOUBLE
6 $\frac{9}{16}$" (166 mm)



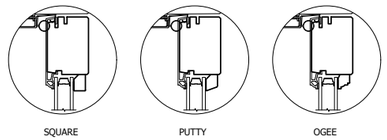
METAL CLAD DOUBLE
6 $\frac{9}{16}$" (166 mm)
FULL JAMB

PLAN VIEW

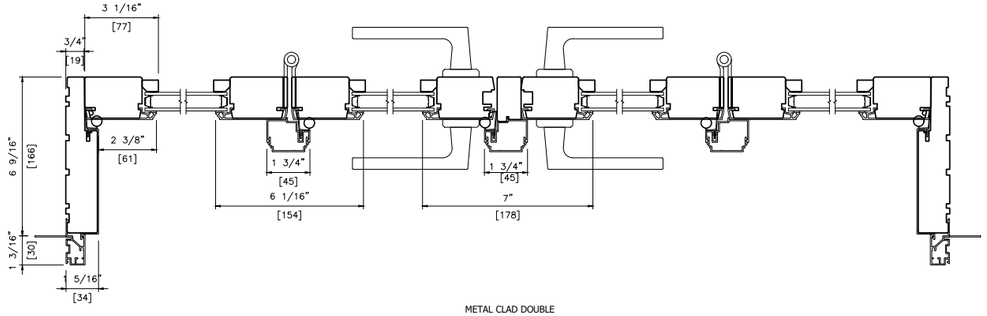


METAL CLAD DOUBLE
TWO PANEL
4 $\frac{9}{16}$" / 6$\frac{9}{16}$" (116 mm / 166 mm)

GLAZING STOP PROFILES



SQUARE PUTTY OGEE



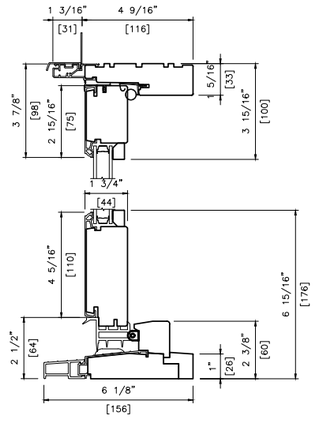
METAL CLAD DOUBLE
FOUR PANEL
6 $\frac{9}{16}$" (166 mm)

Swinging Terrace & French Doors -
1.75 Inch - **Narrow Stile (3") FD**

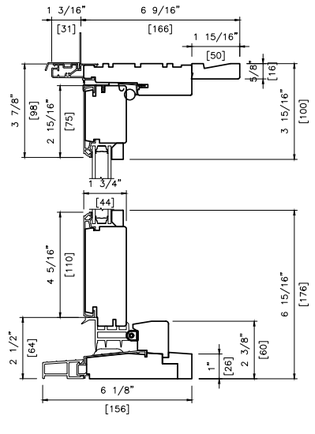
Drawings

Outswing

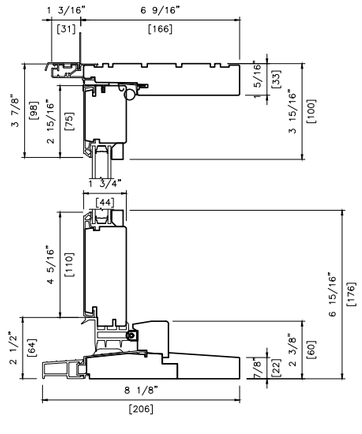
HEAD & SILL DETAIL



METAL CLAD DOUBLE
4 $\frac{9}{16}$" (116 mm)

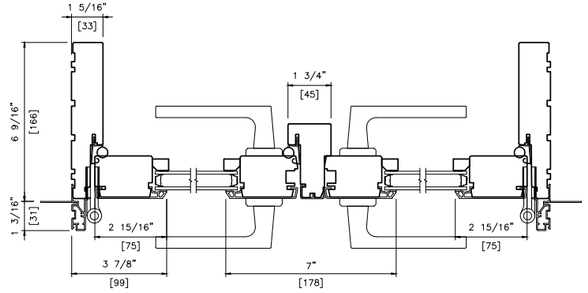


METAL CLAD DOUBLE
6 $\frac{9}{16}$" (166 mm)



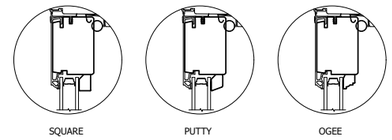
METAL CLAD DOUBLE
6 $\frac{9}{16}$" (166 mm)
FULL JAMB

PLAN VIEW

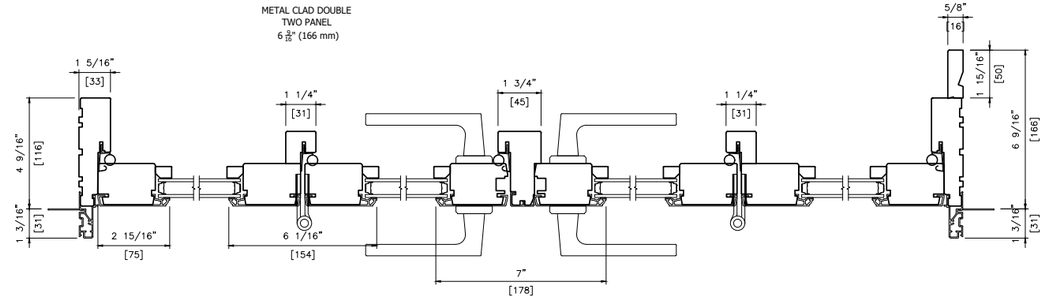


METAL CLAD DOUBLE
TWO PANEL
6 $\frac{9}{16}$" (166 mm)

GLAZING STOP PROFILES



SQUARE PUTTY OGEE



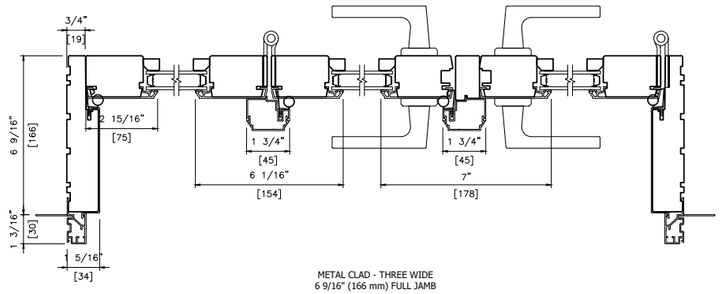
METAL CLAD DOUBLE
FOUR PANEL
4 $\frac{9}{16}$" / 6 $\frac{9}{16}$" (116 mm / 166 mm)

Swinging Terrace & French Doors -
1.75 Inch - **Narrow Stile (3") FD**

Drawings

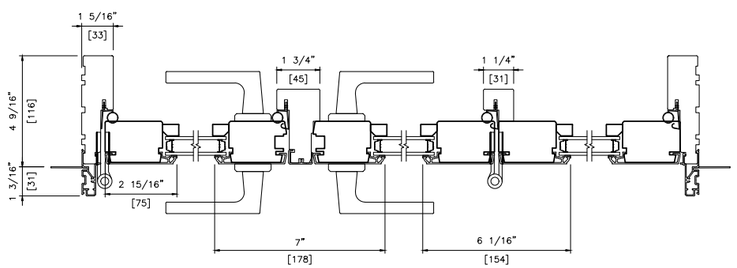
3 Wide Inswing & Outswing

PLAN VIEW
INSWING



METAL CLAD - THREE WIDE
6 9/16" (166 mm) FULL JAMB

PLAN VIEW
OUTSWING



METAL CLAD - THREE WIDE
4 9/16" (116 mm) JAMB

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

Size Charts

FD2

Width

Rough Opening Inswing with Jamb Extension					47 7/8" [1216]	61 9/16" [1564]	68 1/8" [1730]	73 3/8" [1864]	76 9/16" [1944]	81 1/4" [2064]	88 7/16" [2246]
	Rough Opening				47 1/4" [1200]	60 15/16" [1548]	67 1/2" [1714]	72 3/4" [1848]	75 7/8" [1928]	80 5/8" [2048]	87 13/16" [2230]
		Frame			46 1/2" [1181]	60 3/16" [1529]	66 3/4" [1695]	72" [1829]	75 3/16" [1909]	79 7/8" [2029]	87 1/16" [2211]
			Panel		21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/6" [916]	38 7/16" [976]	42" [1067]
				Visible Glass	13 1/16" [332]	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	27 3/8" [696]	29 3/4" [756]	33 3/8" [847]
					TRANSOM						
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT2 1204	*FDT2 1504	*FDT2 1604	*FDT2 1804	*FDT2 1804	*FDT2 2004	*FDT2 2204
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT2 1206	*FDT2 1506	*FDT2 1606	*FDT2 1806	*FDT2 1806	*FDT2 2006	*FDT2 2206
					DOOR						
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	FD2 1220	FD2 1520	FD2 1620	FD2 1820	FD2 1820	FD2 2020	FD2 2220
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	FD2 1221	FD2 1521	FD2 1621	FD2 1821	FD2 1821	FD2 2021	FD2 2221
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	FD2 1270	FD2 1570	FD2 1670	FD2 1870	FD2 1870	FD2 2070	FD2 2270
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	FD2 1224	FD2 1524	FD2 1624	FD2 1824	FD2 1824	FD2 2024	FD2 2224
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD2 128	FD2 1580	FD2 1680	FD2 1880	FD2 1880	FD2 2080	FD2 2280
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	FD2 1225	FD2 1525	FD2 1625	FD2 1825	FD2 1825	FD2 2025	FD2 2225
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	FD2 1227	FD2 1527	FD2 1627	FD2 1827	FD2 1827	FD2 2027	FD2 2227
124 5/16 [3157]	124" [3150]	123 7/16" [3135]	120 3/8" [3057]	107 13/16" [2738]	FD2 1232	FD2 1532	FD2 1632	FD2 1832	FD2 1832	FD2 2032	

Height

* Transom units

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

Size Charts

FD3

Width

Rough Opening Inswing with Jamb Extension					90 3/16" [2290]	100" [2539]	107 7/8" [2740]
	Rough Opening				89 1/2" [2274]	99 5/16" [2523]	107 1/4" [2724]
		Frame			88 3/4" [2255]	98 9/16" [2504]	106 1/2" [2705]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]
				Visible Glass	19 15/16" [506]	23 3/16" [589]	25 13/16" [656
					TRANSOM		
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT3 2204	*FDT3 2404	*FDT3 2704
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT3 2206	*FDT3 2406	*FDT3 2706
					DOORS		
80 3/8" [[2042]]	80 1/8" [[2035]]	79 1/2" [[2020]]	76 7/16" [1942]	63 7/8" [1623]	FD3 2220	FD3 2420	FD3 2720
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	FD3 2221	FD3 2421	FD3 1821
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	FD3 2270	FD3 2470	FD3 2770
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	FD3 2224	FD3 2424	FD3 2724
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD3 2280	FD3 2480	FD3 2780
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	FD3 2225	FD3 2425	FD3 2725
107 3/16" [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	FD3 2227	FD3 2427	FD3 2727

Height

* Transom units

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

Size Charts

FD4

Width

Rough Opening Inswing with Jamb Extension					91 5/16" [2320]	118 3/4" [3016]	131 13/16" [3348]	142 3/8" [3616]	148 11/16" [3776]	158 1/8" [4016]	172 7/16" [4380]
	Rough Opening				90 11/16" [2304]	118 1/8" [3000]	131 3/16" [3332]	141 3/4" [3600]	148" [3760]	157 1/2" [4000]	171 13/16" [4364]
		Frame			89 15/16" [2285]	117 3/8" [2981]	130 7/16" [3313]	141" [3581]	147 5/16" [3741]	156 3/4" [3981]	171 1/16" [4345]
			Panel		21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/6" [916]	38 7/16" [976]	42" [1067]
				Visible Glass	13 1/16" [332]	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	27 3/8" [696]	29 3/4" [756]	33 3/8" [847]
					TRANSOM						
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT4 2304	*FDT4 3004	*FDT4 3304	*FDT4 3604	*FDT4 3604	*FDT4 4004	*FDT4 4304
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT4 2306	*FDT4 3006	*FDT4 3306	*FDT4 3606	*FDT4 3606	*FDT4 4006	*FDT4 4306
					DOOR						
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	FD4 2320	FD4 3020	FD4 3320	FD4 3620	FD4 3620	FD4 4020	FD4 4320
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	FD4 2321	FD4 3021	FD4 3321	FD4 3621	FD4 3621	FD4 4021	FD4 4321
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	FD4 2370	FD4 3070	FD4 3370	FD4 3670	FD4 3670	FD4 4070	FD4 4370
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	FD4 2324	FD4 3024	FD4 3324	FD4 3624	FD4 3624	FD4 4024	FD4 4324
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD4 2380	FD4 3080	FD4 3380	FD4 3680	FD4 3680	FD4 4080	FD4 4380
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	FD4 2325	FD4 3025	FD4 3325	FD4 3625	FD4 3625	FD4 4025	FD4 4325
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	FD4 2327	FD4 30027	FD4 3327	FD4 3627	FD4 3627	FD4 4027	FD4 4327

Height

* Transom units

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

Size Charts

Cambertop FD2

Width

Rough Opening Inswing with Jamb Extension					47 7/8" [1216]	61 9/16" [1564]	68 1/8" [1730]	73 3/8" [1864]	76 9/16" [1944]	81 1/4" [2064]	88 7/16" [2246]
	Rough Opening				47 1/4" [1200]	60 15/16" [1548]	67 1/2" [1714]	72 3/4" [1848]	75 7/8" [1928]	80 5/8" [2048]	87 13/16" [2230]
		Frame			46 1/2" [1181]	60 3/16" [1529]	66 3/4" [1695]	72" [1829]	75 3/16" [1909]	79 7/8" [2029]	87 1/16" [2211]
			Panel		21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/6" [916]	38 7/16" [976]	42" [1067]
				Visible Glass	13 1/16" [332]	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	27 3/8" [696]	29 3/4" [756]	33 3/8" [847]
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	FD2 1220	FD2 1520	FD2 1620	FD2 1820	FD2 1820	FD2 2020	FD2 2220
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	FD2 1221	FD2 1521	FD2 1621	FD2 1821	FD2 1821	FD2 2021	FD2 2221
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	FD2 1270	FD2 1570	FD2 1670	FD2 1870	FD2 1870	FD2 2070	FD2 2270
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	FD2 1224	FD2 1524	FD2 1624	FD2 1824	FD2 1824	FD2 2024	FD2 2224
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD2 1280	FD2 1580	FD2 1680	FD2 1880			
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	FD2 1225	FD2 1525	FD2 1625	FD2 1825			
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	FD2 1227	FD2 1527	FD2 1627	FD2 1827			
124 5/16 [3157]	124" [3150]	123 7/16" [3135]	120 3/8" [3057]	107 13/16" [2738]	FD2 1232	FD2 1532	FD2 1632	FD2 1832			

Height

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

Size Charts

Cambertop FD4

Width

Rough Opening Inswing with Jamb Extension					91 5/16" [2320]	118 3/4" [3016]	131 13/16" [3348]	142 3/8" [3616]	148 11/16" [3776]	158 1/8" [4016]	172 7/16" [4380]
	Rough Opening				90 11/16" [2304]	118 1/8" [3000]	131 3/16" [3332]	141 3/4" [3600]	148" [3760]	157 1/2" [4000]	171 13/16" [4364]
		Frame			89 15/16" [2285]	117 3/8" [2981]	130 7/16" [3313]	141" [3581]	147 5/16" [3741]	156 3/4" [3981]	171 1/16" [4345]
			Panel		21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/6" [916]	38 7/16" [976]	42" 1067
				Visible Glass	13 1/16" [332]	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	27 3/8" [696]	29 3/4" [756]	33 3/8" [847]
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 3/4" [1619]	FD4 2320	FD4 3020	FD4 3320	FD4 3620	FD4 3620	FD4 4020	FD4 4320
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 1/2" [1664]	FD4 2321	FD4 3021	FD4 3321	FD4 3621	FD4 3621	FD4 4021	FD4 4321
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/16" [1783]	FD4 2370	FD4 3070	FD4 3370	FD4 3670	FD4 3670	FD4 4070	FD4 4370
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 3/4" [1999]	FD4 2324	FD4 3024	FD4 3324	FD4 3624	FD4 3624	FD4 4024	FD4 4324
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD4 2380	FD4 3080	FD4 3380	FD4 3680			
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 5/16" [2115]	FD4 2325	FD4 3025	FD4 3325	FD4 3625			
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 1/2" [2299]	FD4 2327	FD4 30027	FD4 3327	FD4 3627			

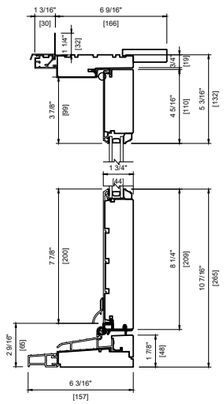
Height

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

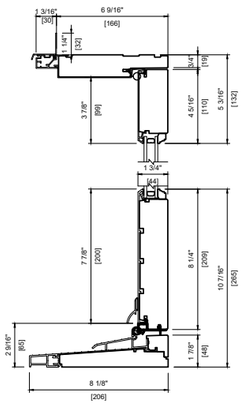
Drawings

Inswing

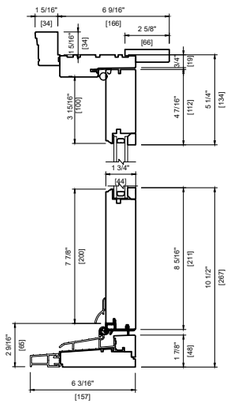
HEAD & SILL DETAIL



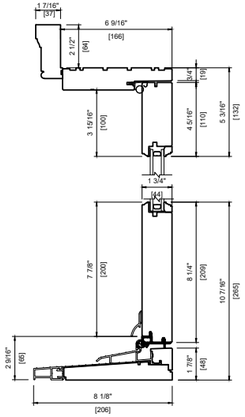
METAL CLAD DOUBLE
6 9/16" (166mm)



METAL CLAD DOUBLE
6 9/16" (166mm) FULL JAMB

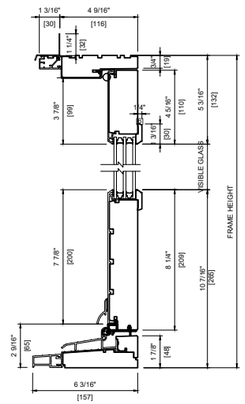


WOOD EXTERIOR DOUBLE
6 9/16" (166mm)
2" BRICKMOULD
SQUARE STOP

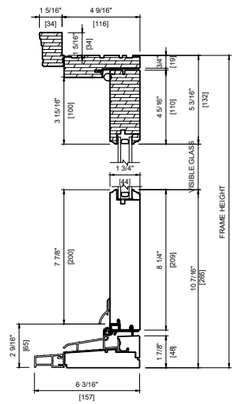


WOOD EXTERIOR DOUBLE
6 9/16" (166mm) FULL JAMB
WILLIAMBERG CASING

HEAD & SILL DETAIL

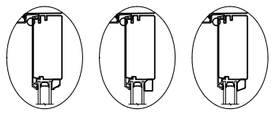


METAL CLAD TRIPLE
4 9/16" (116mm)
TRIPLE GLAZING STOP

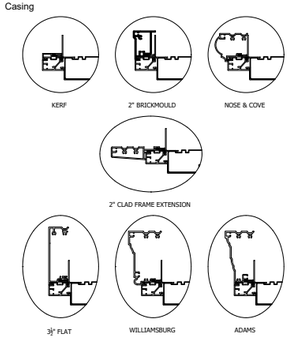


CAMBER/ROUNDTOP
WOOD EXTERIOR DOUBLE
4 9/16" (116mm)
2" BRICKMOULD

GLAZING STOP PROFILES



Casing



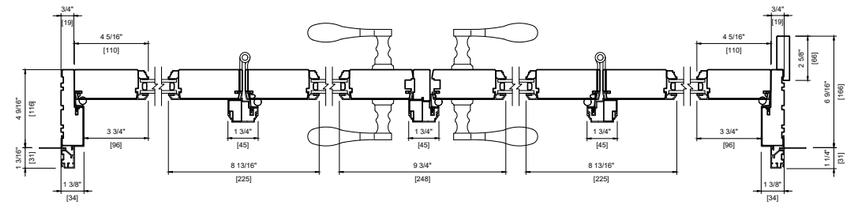
RADIUS
COMPONENT

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

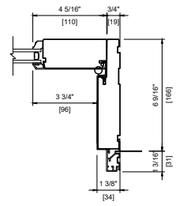
Drawings

Inswing (cont'd)

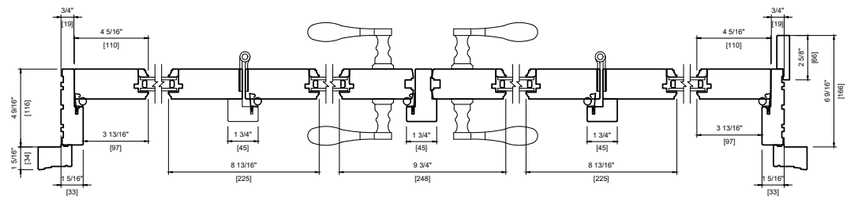
PLAN VIEW



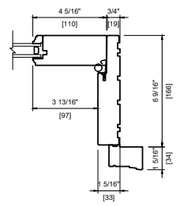
METAL CLAD DOUBLE
FOUR PANEL



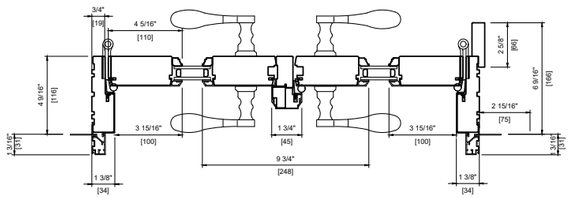
METAL CLAD DOUBLE
6 9/16" (166mm) FULL JAMB



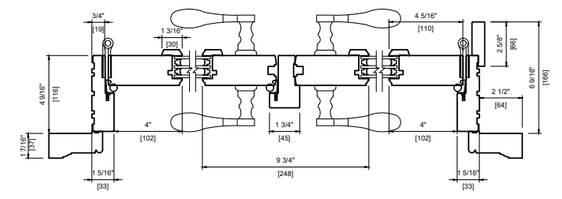
WOOD EXTERIOR DOUBLE
FOUR PANEL
2" BRICKMOULD



WOOD EXTERIOR DOUBLE
6 9/16" (166mm) FULL JAMB
2" BRICKMOULD

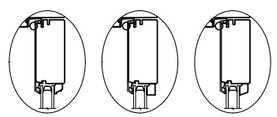


METAL CLAD DOUBLE
TWO PANEL

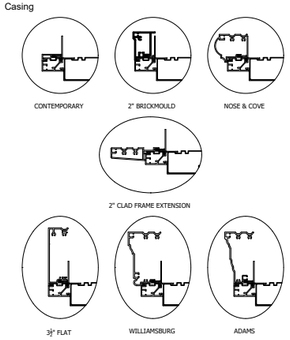


WOOD EXTERIOR TRIPLE
TWO PANEL
WILLIAMSBURG CASING
TRIPLE GLAZING STOP

GLAZING STOP PROFILES



Casing

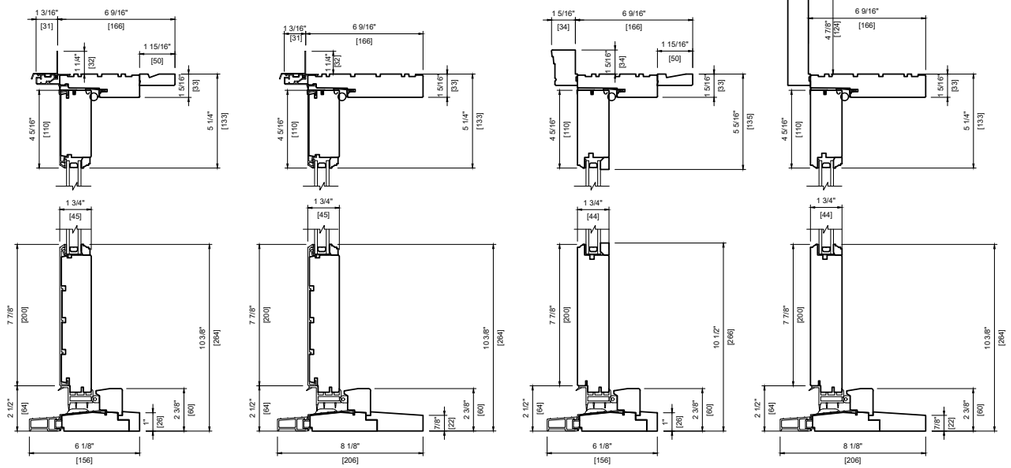


Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

Drawings

Outswing

HEAD & SILL DETAILS



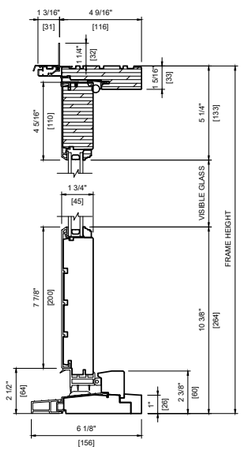
METAL CLAD DOUBLE
6 9/16" (166mm)

METAL CLAD DOUBLE
6 9/16" (166mm) FULL JAMB

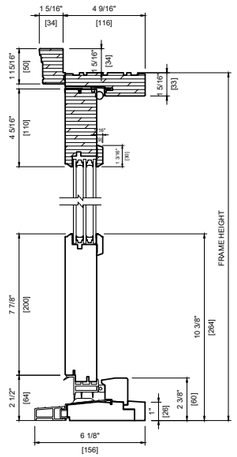
WOOD EXTERIOR DOUBLE
6 9/16" (166mm) 2" BRICKMOULD
SQUARE STOP

WOOD EXTERIOR DOUBLE
6 9/16" (166mm) FULL JAMB
5 1/2" FLAT CASING

HEAD & SILL DETAILS

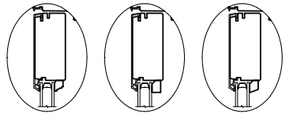


METAL CLAD DOUBLE
CAMBERTOP
4 9/16" (116mm)



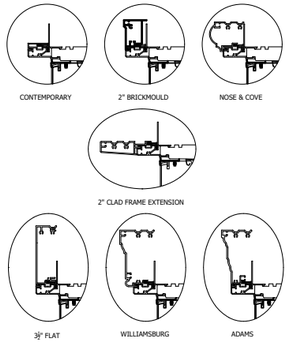
WOOD EXTERIOR TRIPLE
CAMBERTOP 2" BRICKMOULD
TRIPLE GLAZING STOP

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

Casing



CONTEMPORARY 2" BRICKMOULD NOSE & COVE
2" CLAD FRAME EXTENSION
3/4" FLAT WILLIAMSBURG ADAMS

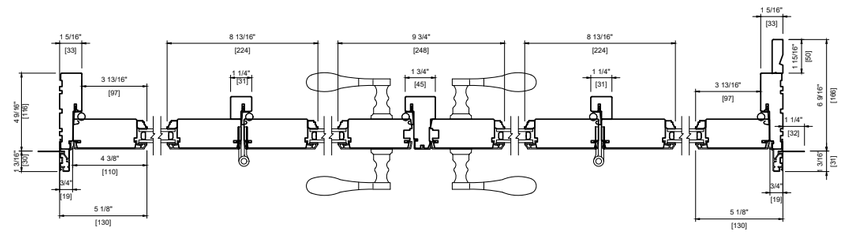
RADIUS
COMPONENT

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

Drawings

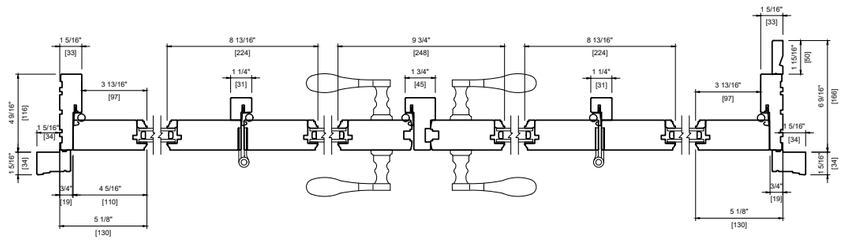
Outswing (cont'd)

PLAN VIEW



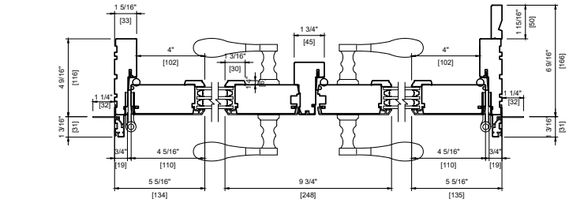
METAL CLAD DOUBLE
FOUR PANEL

METAL CLAD DOUBLE
6 9/16" (166mm) FULL JAMB

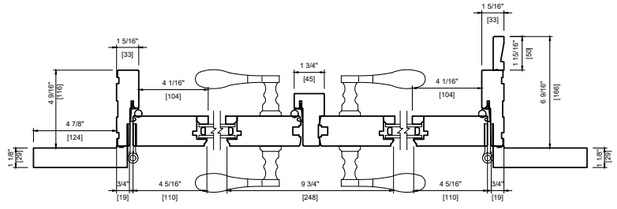


WOOD EXTERIOR DOUBLE
FOUR PANEL
2" BRICKMOULD

WOOD EXTERIOR DOUBLE
6 9/16" (166mm) FULL JAMB
2" BRICKMOULD

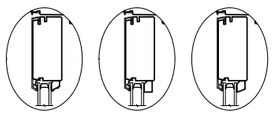


METAL CLAD TRIPLE
TWO PANEL
TRIPLE GLAZING STOP



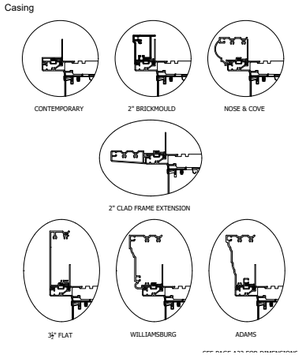
WOOD EXTERIOR DOUBLE
TWO PANEL
5 1/2" FLAT CASING
SQUARE STOP

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

Casing



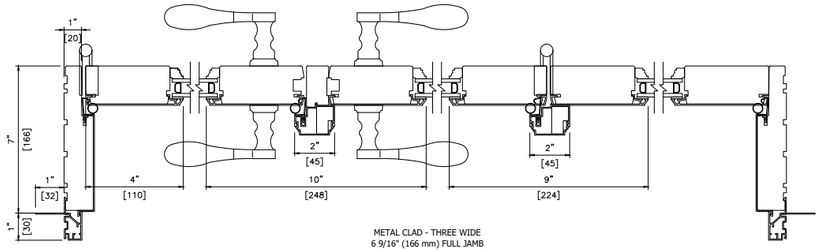
CONTEMPORARY 2" BRICKMOULD NOSE & COVE
2" CLAD FRAME EXTENSION
3/4" FLAT WILLIAMSBURG ADAMS

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

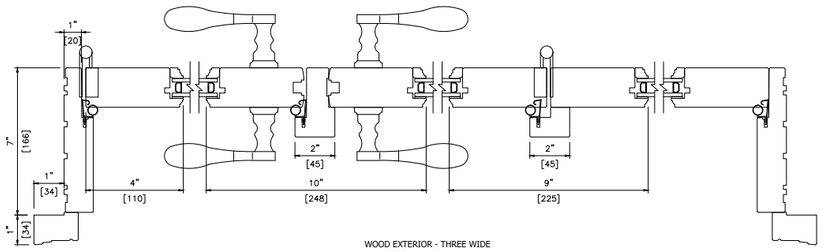
Drawings

3 Wide Inswing & Outswing

PLAN VIEW
INSWING

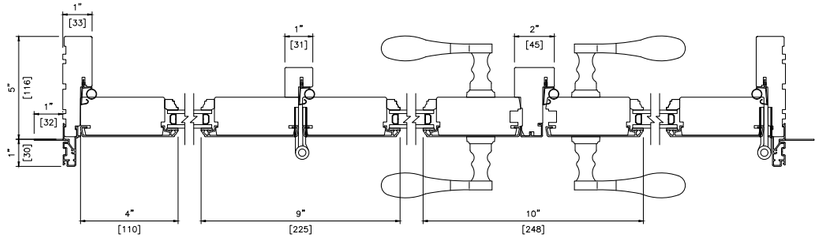


METAL CLAD - THREE WIDE
6 9/16" (166 mm) FULL JAMB

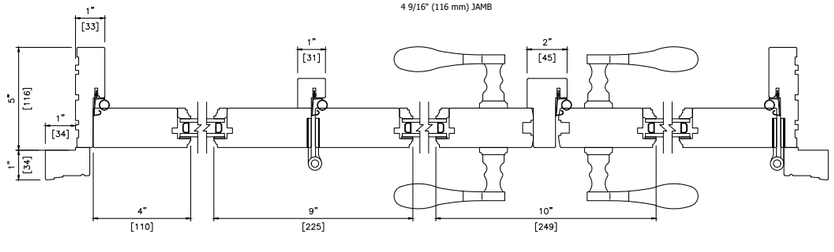


WOOD EXTERIOR - THREE WIDE
6 9/16" (166 mm) FULL JAMB

PLAN VIEW
OUTSWING



METAL CLAD - THREE WIDE
4 9/16" (116 mm) JAMB



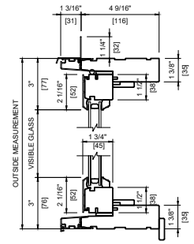
WOOD EXTERIOR - THREE WIDE
4 9/16" (116 mm) JAMB

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

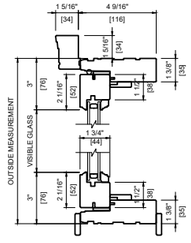
Drawings

Transom

HEAD & SILL DETAIL

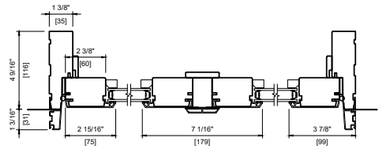


METAL CLAD DOUBLE
2 1/16" (52mm) RAILS

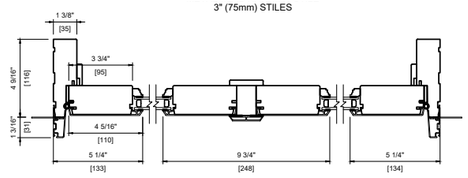


WOOD EXTERIOR DOUBLE
2 1/16" (52mm) RAILS
2" BRICKMOULD

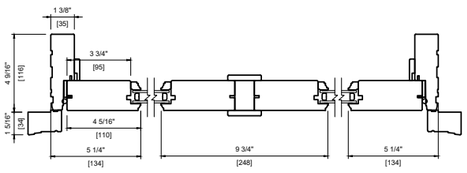
PLAN VIEW



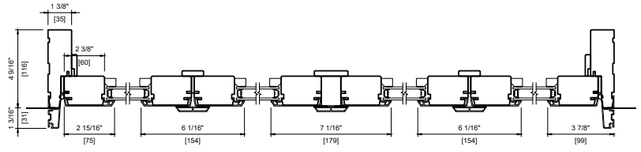
METAL CLAD NARROW STILE
3" (75mm) STILES



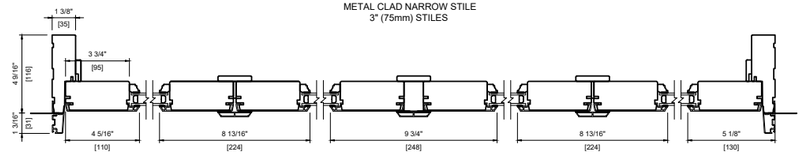
METAL CLAD STANDARD STILE
4 5/16" (110mm) STILES



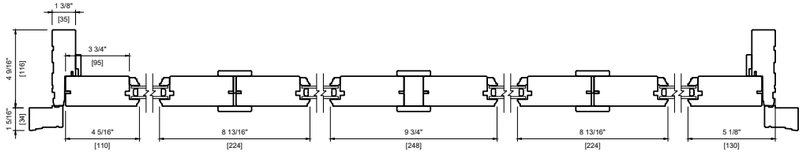
WOOD EXTERIOR STSTANDARD STILE
4 5/16" (110mm) STILES



METAL CLAD NARROW STILE
3" (75mm) STILES



METAL CLAD STANDARD STILE
4 5/16" (110mm) STILES



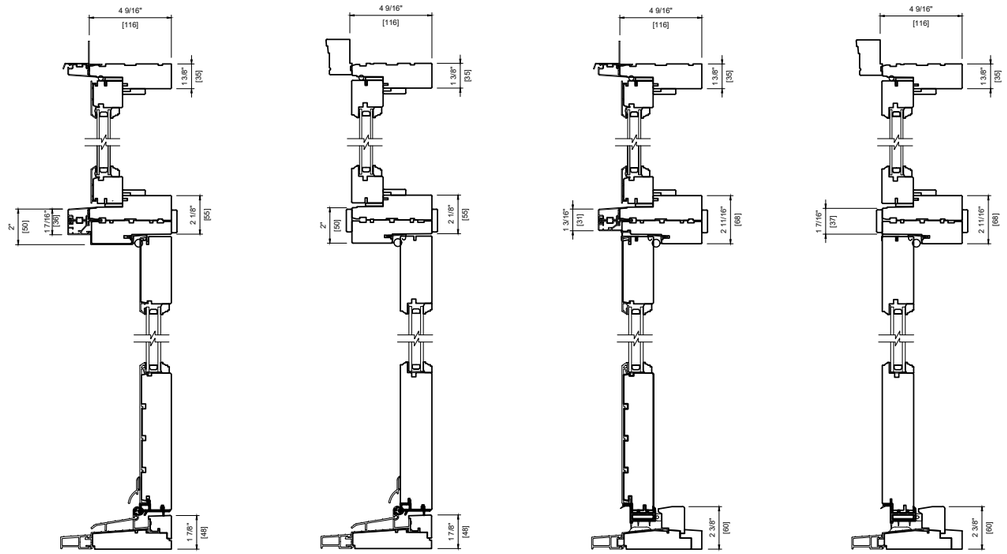
WOOD EXTERIOR STANDARD STILE
4 5/16" (110mm) STILES

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

Drawings

Mull & Sidelite

HEAD & SILL DETAILS



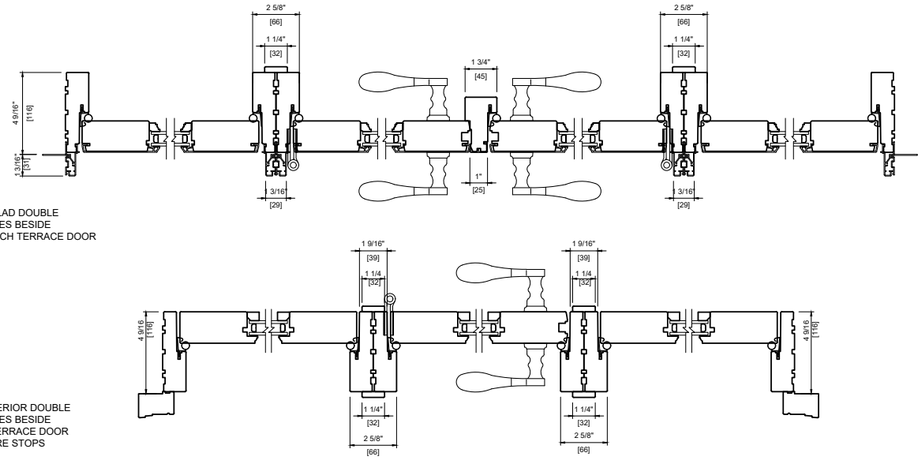
METAL CLAD DOUBLE
TRANSOM over INSWING DOOR

WOOD EXTERIOR DOUBLE
TRANSOM over INSWING DOOR
2" BRICKMOULD

METAL CLAD DOUBLE
TRANSOM over OUTSWING DOOR

WOOD EXTERIOR DOUBLE
TRANSOM over OUTSWING DOOR
2" BRICKMOULD

PLAN VIEW



METAL CLAD DOUBLE
SIDELITES BESIDE
OUTSWING FRENCH TERRACE DOOR

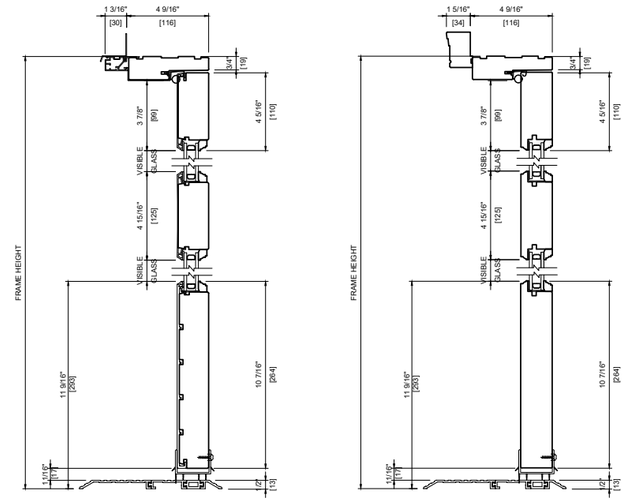
WOOD EXTERIOR DOUBLE
SIDELITES BESIDE
INSWING TERRACE DOOR
SQUARE STOPS

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

Drawings

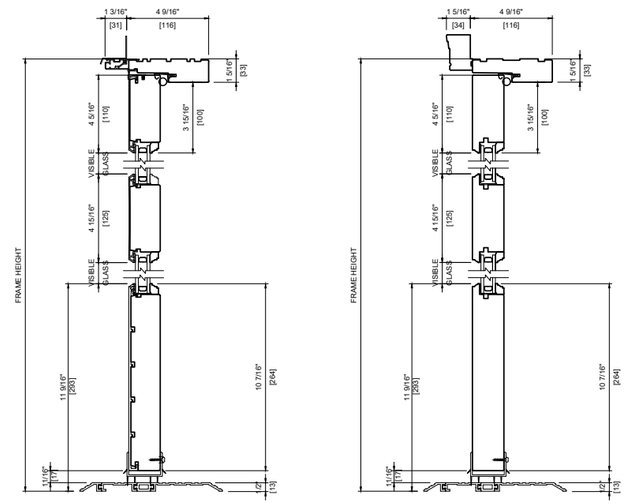
Flat Sill, Mid Rail & Bottom Rail

HEAD & SILL DETAILS



METAL CLAD DOUBLE
INSWING

WOOD EXTERIOR DOUBLE
INSWING



METAL CLAD DOUBLE
OUTSWING

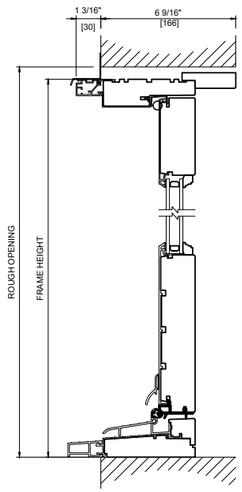
WOOD EXTERIOR DOUBLE
OUTSWING

Swinging Terrace & French Doors -
1.75 Inch - **Standard Stile (>3") FD**

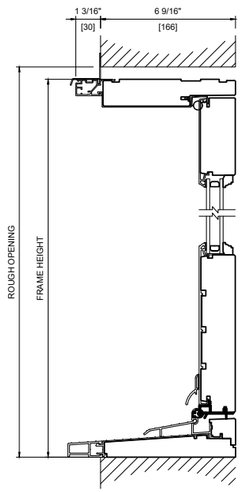
Drawings

Wall Connection

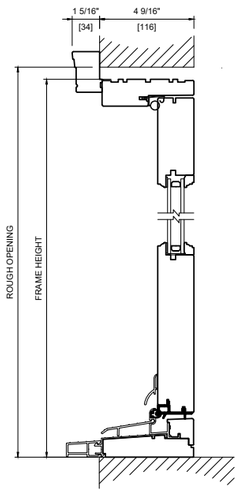
HEAD & SILL DETAIL



METAL CLAD
6 9/16" (166mm)

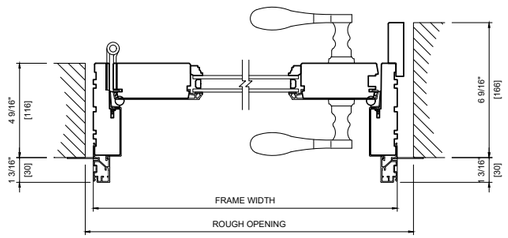


METAL CLAD
6 9/16" (166mm) FULL JAMB

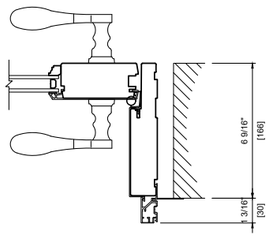


NON CLAD
4 9/16" (116mm) 2" BRICKMOULD

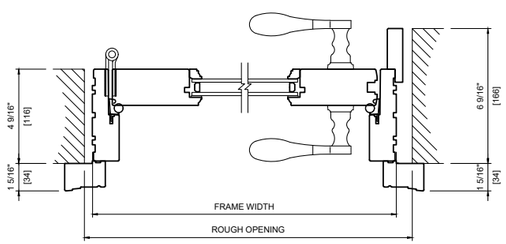
PLAN VIEW



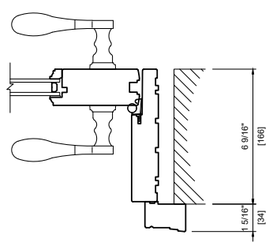
METAL CLAD
4 9/16" & 6 9/16" (116mm & 166mm)



METAL CLAD
6 9/16" (166mm) FULL JAMB



NON CLAD
4 9/16" & 6 9/16" (116mm & 166mm)
2" BRICKMOULD



NON CLAD
6 9/16" (166mm) FULL JAMB
2" BRICKMOULD

Swinging Terrace & French Doors -
1.75 Inch - **10' TD & FD**

Size Charts

10' TD & FD

Width

Rough Opening Inswing with Jamb Extension					31 7/8" [809]	35 1/8" [892]	37 3/4" [959]	39 5/16" [999]	43 1/4" [1099]	45 1/4" [1150]
	Rough Opening				31 1/4" [793]	34 1/2" [876]	37 1/8" [943]	38 11/16" [983]	42 5/8" [1083]	44 5/8" [1134]
		Frame			30 1/2" [774]	33 3/4" [857]	36 3/8" [924]	37 15/16" [964]	41 7/8" [1064]	43 7/8" [1115]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	36 1/16" [916]	40" [1016]	42" [1067]
				Visible Glass	16 7/8" [428]	20 1/8" [511]	22 3/4" [578]	24 5/16" [618]	28 1/4" [718]	30 1/4" [769]
124 5/16" [3157]	124" [3150]	123 7/16" [3135]	120 3/8" [3057]	106 1/4" [2699]	TD1 0732	TD1 0832	TD1 0932	TD1 0932	TD1 1032	TD1 1132

Height

Width

Rough Opening Inswing with Jamb Extension								75 3/8" [1915]	83 1/4" [2115]	87 5/16" [2217]
	Rough Opening							74 3/4" [1899]	82 5/8" [2099]	86 5/8" [2201]
		Frame						70 7/8" [1880]	81 7/8" [2080]	85 7/8" [2182]
			Panel					36 1/16" [916]	40" [1016]	42" [1067]
				Visible Glass				24 5/16" [618]	28 1/4" [718]	30 1/4" [769]
124 5/16" [3157]	124" [3150]	123 7/16" [3135]	120 3/8" [3057]	106 1/4" [2699]				TD2 1832	TD2 2032	TD2 2232

Height

Width

Rough Opening Inswing with Jamb Extension					47 7/8" [1216]	61 9/16" [1564]	68 1/2" [1730]	72 1/8" [2246]	76 3/8" [1940]	84 7/16" [2144]	88 7/16" [2246]
	Rough Opening				47 1/4" [1200]	60 3/16" [1548]	67 1/2" [1714]	72 3/4" [2230]	75 3/4" [1924]	83 3/4" [2128]	87 13/16" [2230]
		Frame			46 1/2" [1181]	60 3/16" [1529]	66 3/4" [1695]	72" [1829]	75" [1905]	83 1/16" [2109]	87 1/16" [2211]
			Panel		21 3/4" [552]	28 9/162" [726]	31 7/8" [809]	34 1/2" [876]	36" [914]	40" [1016]	42" [1067]
				Visible Glass	10" [254]	16 7/8" [428]	20 1/8" [511]	22 3/4" [578]	24 1/4" [616]	28 1/4" [718]	30 1/4" [769]
124 5/16" [3157]	124" [3150]	123 7/16" [3135]	120 3/8" [3057]	106 1/4" [2699]	FD2 1232	FD2 1532	FD2 1632	FD2 1832	FD2 1832	FD2 2032	FD2 2232

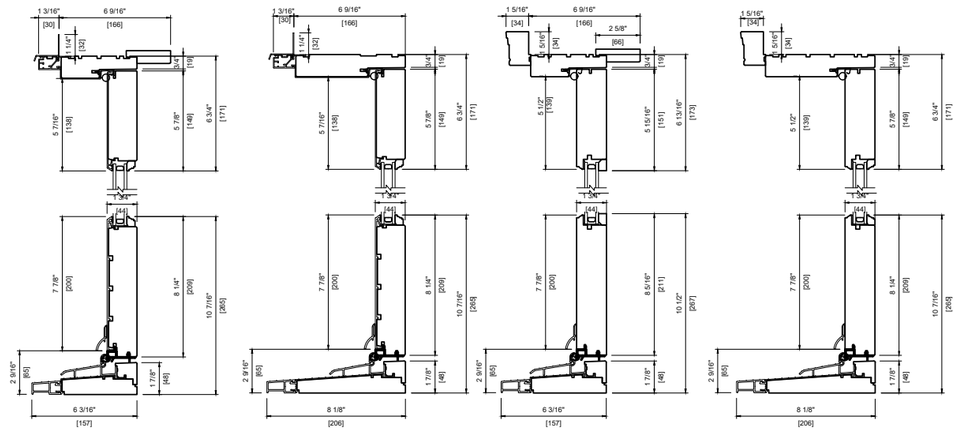
Height

Swinging Terrace & French Doors -
1.75 Inch - **10' TD & FD**

Drawings

Inswing

HEAD & SILL DETAILS

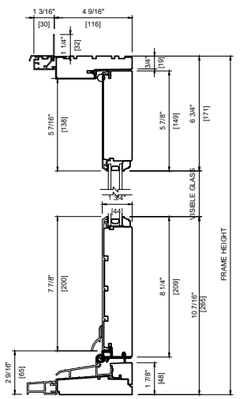


METAL CLAD DOUBLE
6 9/16" (166mm)

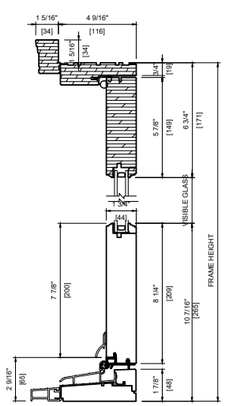
METAL CLAD DOUBLE
6 9/16" (166mm) FULL JAMB

WOOD EXTERIOR DOUBLE
6 9/16" (166mm) 2" BRICKMOULD
SQUARE STOP

WOOD EXTERIOR DOUBLE
6 9/16" (166mm) FULL JAMB
2" BRICKMOULD

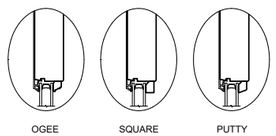


METAL CLAD DOUBLE
4 9/16" (116mm)



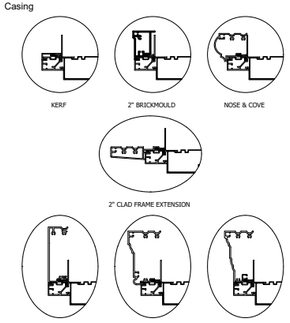
CAMBER/ROUNDTOP
WOOD EXTERIOR DOUBLE
4 9/16" (116mm)
2" BRICKMOULD

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

Casing



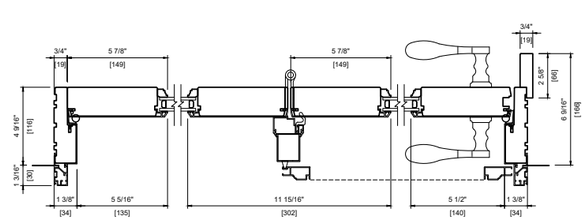
RADIUS
COMPONENT

Swinging Terrace & French Doors -
1.75 Inch - **10' TD & FD**

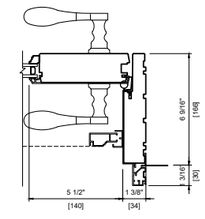
Drawings

Inswing (TD Plan View)

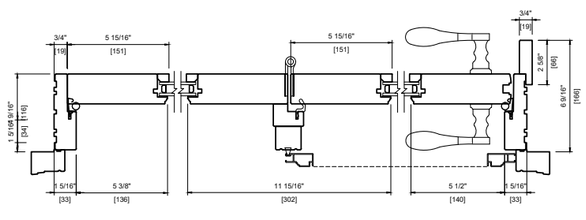
PLAN VIEW



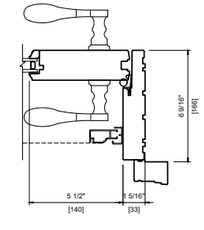
METAL CLAD DOUBLE
TWO PANEL



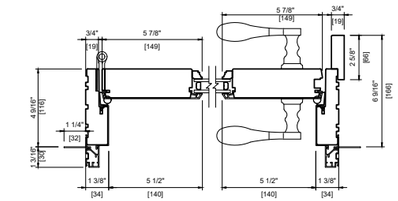
METAL CLAD DOUBLE
6 9/16" (166 mm) FULL JAMB



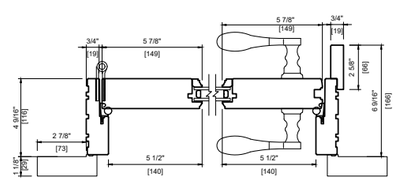
WOOD EXTERIOR DOUBLE
TWO PANEL 2" BRICKMOULD
SQUARE STOP



WOOD EXTERIOR DOUBLE
6 9/16" (166 mm) FULL JAMB
2" BRICKMOULD

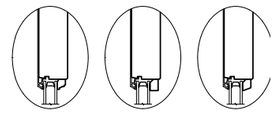


METAL CLAD DOUBLE
ONE PANEL



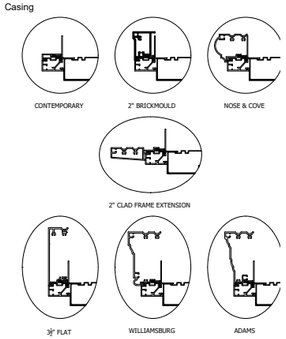
NON CLAD DOUBLE
ONE PANEL
3 1/2" FLAT CASING

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

Casing

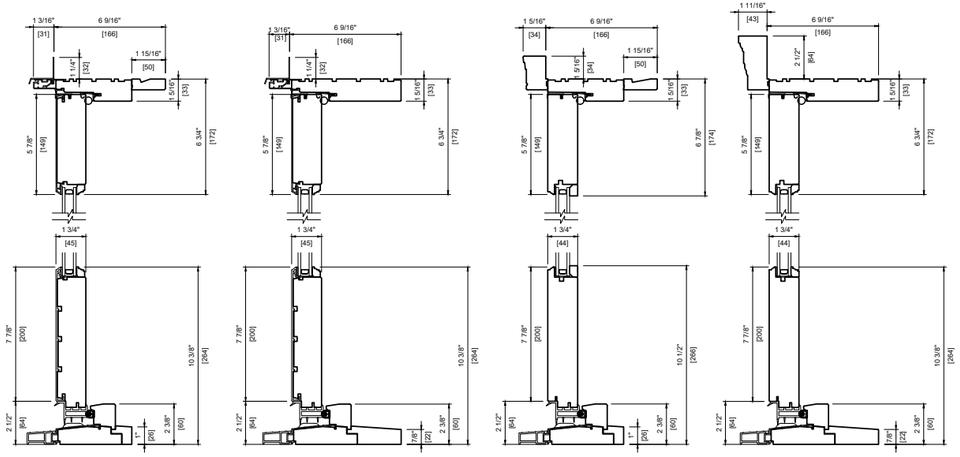


Swinging Terrace & French Doors -
1.75 Inch - **10' TD & FD**

Drawings

Outswing

HEAD & SILL DETAILS

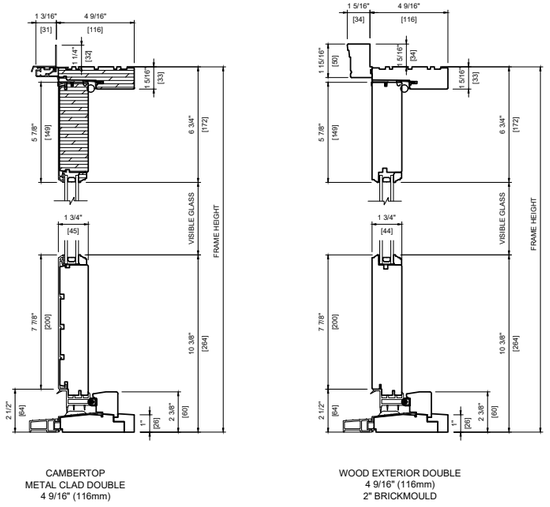


METAL CLAD DOUBLE
6 9/16" (166mm)

METAL CLAD DOUBLE
6 9/16" (166mm) FULL JAMB

WOOD EXTERIOR DOUBLE
6 9/16" (166mm) 2" BRICKMOULD
SQUARE STOP

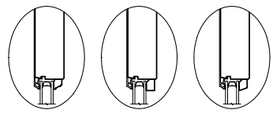
WOOD EXTERIOR DOUBLE
6 9/16" (166mm) FULL JAMB
ADAMS CASING



CAMBERTOP
METAL CLAD DOUBLE
4 9/16" (116mm)

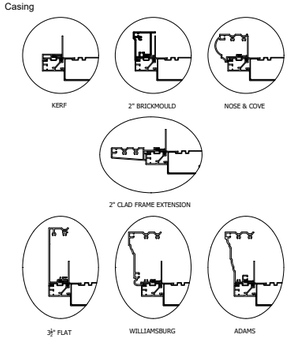
WOOD EXTERIOR DOUBLE
4 9/16" (116mm)
2" BRICKMOULD

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

Casing



KERF 2" BRICKMOULD NOSE & COVE

2" CLAD FRAME EXTENSION

3/4" FLAT WILLIAMSBURG ADAMS

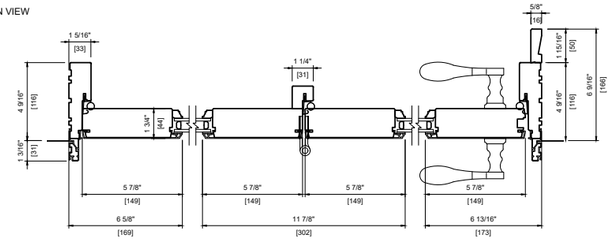
RADIUS
COMPONENT

Swinging Terrace & French Doors -
1.75 Inch - **10' TD & FD**

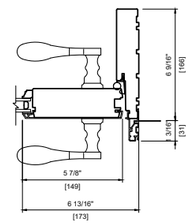
Drawings

Outswing (TD Plan View)

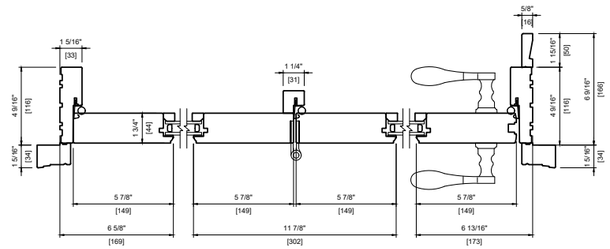
PLAN VIEW



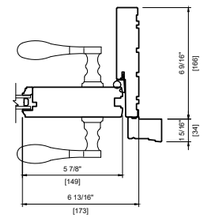
METAL CLAD DOUBLE
TWO PANEL



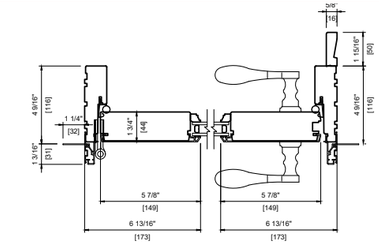
METAL CLAD DOUBLE
6 9/16" (166 mm) FULL JAMB



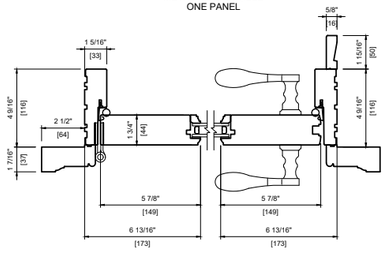
WOOD EXTERIOR DOUBLE
TWO PANEL 2" BRICKMOULD
SQUARE STOP



WOOD EXTERIOR DOUBLE
6 9/16" (166 mm) FULL JAMB
2" BRICKMOULD



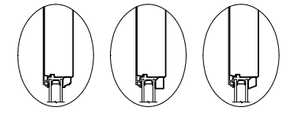
METAL CLAD DOUBLE
ONE PANEL



WOOD EXTERIOR DOUBLE
ONE PANEL
WILLIAMSBURG CASING

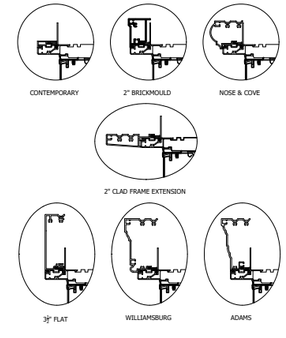
J29

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

Casing



CONTEMPORARY 2" BRICKMOULD NOSE & COVE

2" CLAD FRAME EXTENSION

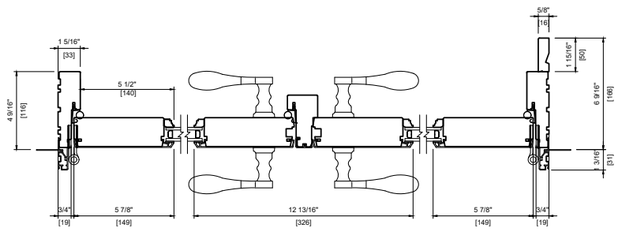
3/4" FLAT WILLIAMSBURG ADAMS

Swinging Terrace & French Doors -
1.75 Inch - **10' TD & FD**

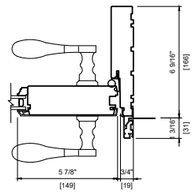
Drawings

Inswing & Outswing (FD Plan View)

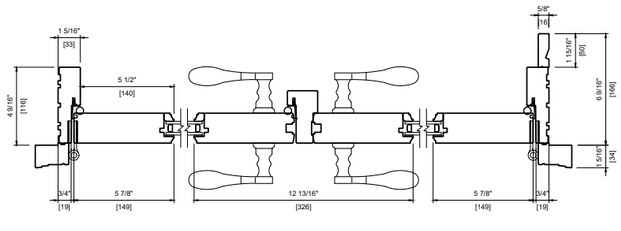
PLAN VIEW OUTSWING



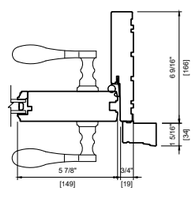
METAL CLAD DOUBLE
TWO PANEL



METAL CLAD DOUBLE
6 9/16" FULL JAMB

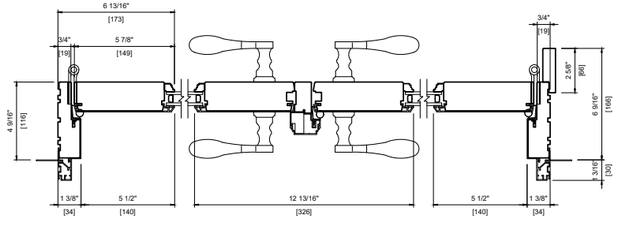


WOOD EXTERIOR DOUBLE
TWO PANEL
2" BRICKMOULD

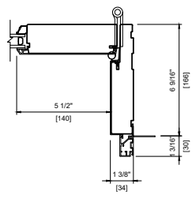


WOOD EXTERIOR DOUBLE
6 9/16" FULL JAMB
2" BRICKMOULD

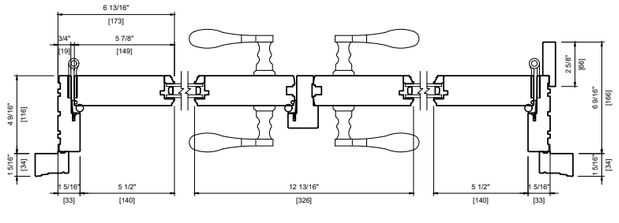
PLAN VIEW INSWING



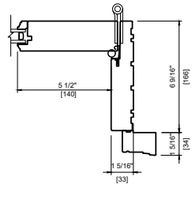
METAL CLAD DOUBLE
TWO PANEL



METAL CLAD DOUBLE
6 9/16" FULL JAMB



WOOD EXTERIOR DOUBLE
TWO PANEL
2" BRICKMOULD



WOOD EXTERIOR DOUBLE
6 9/16" FULL JAMB
2" BRICKMOULD

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") TD**

Size Charts

TD1 Metal-Clad

Width

Height

Rough Opening	Frame	Panel	Visible Glass	24 3/8" [619]	31 1/4" [793]	34 1/2" [876]	37 1/8" [943]	41 1/16" [1043]	44 5/8" [1134]
				23 5/8" [600]	30 1/2" [774]	33 3/4" [857]	36 3/8" [924]	40 5/16" [1024]	43 7/8" [1115]
				21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	38 7/16" [976]	42" [1067]
				15 13/16" [402]	22 11/16" [576]	25 15/16" [659]	28 9/16" [726]	32 1/2" [826]	36 1/8" [917]
				TRANSOM					
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT1 0604	*TDT1 0704	*TDT1 0804	*TDT1 0904	*TDT1 1004	*TDT1 1104
24 3/8" [619]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT1 0606	*TDT1 0706	*TDT1 0806	*TDT1 0906	*TDT1 1006	*TDT1 1106
32 1/4" [819]	31 1/2" [800]	29 5/8" [752]	25 7/16" [646]	*TDT1 0608	*TDT1 0708	*TDT1 0808	*TDT1 0908	*TDT1 1008	*TDT1 1108
				DOORS					
80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	~TD1 0620	TD1 0720	TD1 0820	TD1 0920	TD1 1020	TD1 1120
81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	~TD1 0621	TD1 0721	TD1 0821	TD1 0921	TD1 1021	TD1 1121
86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	~TD1 0670	TD1 0770	TD1 0870	TD1 0970	TD1 1070	TD1 1170
95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	~TD1 0624	TD1 0724	TD1 0824	TD1 0924	TD1 1024	TD1 1124
98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	~TD1 0680	TD1 0780	TD1 0880	TD1 0980	TD1 1080	TD1 1180
99 5/8" [2531]	99 1/16" [2516]	96" [2438]	88 3/8" [2244]	~TD1 0625	TD1 0725	TD1 0825	TD1 0925	TD1 1025	TD1 1125
106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	~TD1 0627	TD1 0727	TD1 0827	TD1 0927	TD1 1027	TD1 1127
124" [3150]	123 7/16" [3135]	120 3/8" [3057]	112 11/16" [2863]	~TD1 0632	TD1 0732	TD1 0832	TD1 0932	TD1 1032	TD1 1132

* Transom
~ Fixed Sidelite

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") TD**

Size Charts

TD1 Non-Clad

Width

Rough Opening	Frame	Panel	Visible Glass	24 3/8" [619]	31 1/4" [793]	34 1/2" [876]	37 1/8" [943]	41 1/16" [1043]	44 5/8" [1134]
				23 5/8" [600]	30 1/2" [774]	33 3/4" [857]	36 3/8" [924]	40 5/16" [1024]	43 7/8" [1115]
				28 9/16" [725]	28 1/2" [724]	31 3/4" [807]	34 7/16" [874]	38 3/8" [974]	41 15/16" [1065]
				22 5/8" [575]	22 5/8" [574]	25 7/8" [657]	28 1/2" [724]	32 7/16" [824]	36" [915]
				TRANSOM					
16 1/2" [419]	15 3/4" [400]	13 13/16" [351]	9 5/8" [245]	*TDT1 0604	*TDT1 0704	*TDT1 0804	*TDT1 0904	*TDT1 1004	*TDT1 1104
24 3/86" [619]	23 5/8" [600]	21 11/16" [551]	17 1/2" [445]	*TDT1 0606	*TDT1 0706	*TDT1 0806	*TDT1 0906	*TDT1 1006	*TDT1 1106
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*TDT1 0608	*TDT1 0708	*TDT1 0808	*TDT1 0908	*TDT1 1008	*TDT1 1108
				DOORS					
80 1/8" [2035]	79 1/2" [2020]	77" [1956]	69 3/4" [1771]	~TD1 0620	TD1 0720	TD1 0820	TD1 0920	TD1 1020	TD1 1120
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	71 1/2" [1816]	~TD1 0621	TD1 0721	TD1 0821	TD1 0921	TD1 1021	TD1 1121
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	76 3/16" [1935]	~TD1 0670	TD1 0770	TD1 0870	TD1 0970	TD1 1070	TD1 1170
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	84 11/16" [2151]	~TD1 0624	TD1 0724	TD1 0824	TD1 0924	TD1 1024	TD1 1124
98" [2489]	97 3/8" [2474]	94 7/8" [2410]	87 5/8" [2225]	~TD1 0680	TD1 0780	TD1 0880	TD1 0980	TD1 1080	TD1 1180
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452]	89 1/4" [2267]	~TD1 0625	TD1 0725	TD1 0825	TD1 0925	TD1 1025	TD1 1125
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	96 1/2" [2451]	~TD1 0627	TD1 0727	TD1 0827	TD1 0927	TD1 1027	TD1 1127
124" [3150]	123 7/16" [3135]	120 7/8" [3071]	113 5/8" [2886]	~TD1 0632	TD1 0732	TD1 0832	TD1 0932	TD1 1032	TD1 1132

Height

* Transom
~ Fixed Sidelite

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") TD**

Size Charts

TD2 Metal-Clad

Width

Rough Opening	Frame	Panel	Visible Glass	59 13/16" [1519]	66 5/16" [1685]	71 5/8" [1819]	79 1/2" [2019]	86 5/8" [2201]
				59 1/16" [1500]	65 9/16" [1666]	70 7/8" [1800]	78 3/4" [2000]	85 7/8" [2182]
				28 1/2" [724]	31 3/4" [807]	34 7/16" [874]	38 3/8" [974]	41 15/16" [1065]
				22 5/8" [574]	25 7/8" [657]	28 1/2" [724]	32 7/16" [824]	36" [915]
				TRANSOM				
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT2 1504	*TDT2 1604	*TDT2 1804	*TDT2 2004	*TDT2 2204
24 3/8" [619]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT2 1506	*TDT2 1606	*TDT2 1806	*TDT2 2006	*TDT2 2206
32 1/4" [819]	31 1/2" [800]	29 5/8" [752]	25 7/16" [646]	*TDT2 1508	*TDT2 1608	*TDT2 1808	*TDT2 2008	*TDT2 2208
				DOORS				
80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	TD2 1520	TD2 1620	TD2 1820	TD2 2020	TD2 2220
81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	TD2 1521	TD2 1621	TD2 1821	TD2 2021	TD2 2221
86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	TD2 1570	TD2 1670	TD2 1870	TD2 2070	TD2 2270
95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	TD2 1524	TD2 1624	TD2 1824	TD2 2024	TD2 2224
98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	TD2 1580	TD2 1680	TD2 1880	TD2 2080	TD2 2280
99 5/8" [2531]	99 1/16" [2516]	96" [243]8	88 3/8" [2244]	TD2 1525	TD2 1625	TD2 1825	TD2 2025	TD2 2225
106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	TD2 1527	TD2 1627	TD2 1827	TD2 2027	TD2 2227
124" [3150]	123 7/16" [3135]	120 3/8" [3057]	112 11/16" [2863]	TD2 1532	TD2 1632	TD2 1832	TD2 2032	TD2 2232

Height

* Transom

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") TD**

Size Charts

TD2 Non-Clad

Width

Rough Opening	Frame	Panel	Visible Glass	59 13/16" [1519]	66 5/16" [1685]	71 5/8" [1819]	79 1/2" [2019]	86 5/8" [2201]
				59 1/16" [1500]	65 9/16" [1666]	70 7/8" [1800]	78 3/4" [2000]	85 7/8" [2182]
				28 1/2" [724]	31 3/4" [807]	34 7/16" [874]	38 3/8" [974]	41 15/16" [1065]
				22 5/8" [574]	25 7/8" [657]	28 1/2" [724]	32 7/16" [824]	36" [915]
				TRANSOM				
16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT2 1504	*TDT2 1604	*TDT2 1804	*TDT2 2004	*TDT2 2204
24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT2 1506	*TDT2 1606	*TDT2 1806	*TDT2 2006	*TDT2 2206
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*TDT2 1508	*TDT2 1608	*TDT2 1808	*TDT2 2008	*TDT2 2208
				DOORS				
80 1/8" [2035]	79 1/2" [2020]	77" [1956]	69 3/4" [1771]	TD2 1520	TD2 1620	TD2 1820	TD2 2020	TD2 2220
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	71 1/2" [1816]	TD2 1521	TD2 1621	TD2 1821	TD2 2021	TD2 2221
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	76 3/16" [1935]	TD2 1570	TD2 1670	TD2 1870	TD2 2070	TD2 2270
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	84 11/16" [2151]	TD2 1524	TD2 1624	TD2 1824	TD2 2024	TD2 2224
98" [2489]	97 3/8" [2474]	94 7/8" [2410]	87 5/8" [2225]	TD2 1580	TD2 1680	TD2 1880	TD2 2080	TD2 2280
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452]	89 1/4" [2267]	TD2 1525	TD2 1625	TD2 1825	TD2 2025	TD2 2225
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	96 1/2" [2451]	TD2 1527	TD2 1627	TD2 1827	TD2 2027	TD2 2227
124" [3150]	123 7/16" [3135]	120 7/8" [3071]	113 5/8" [2886]	TD2 1532	TD2 1632	TD2 1832	TD2 2032	TD2 2232

Height

* Transom

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") TD**

Size Charts

TD3 Metal-Clad

Width

Rough Opening	Frame	Panel	Visible Glass	88 3/8" [2245]	98 3/16" [2494]	106 1/16" [2695]	117 7/8" [2995]	128 11/16" [3268]
				87 5/8" [2226]	97 7/16" [2475]	105 5/16" [2676]	117 1/8" [2976]	127 15/16" [3249]
				28 1/2" [723]	31 3/4" [806]	34 3/8" [873]	38 5/16" [973]	41 7/8" [1064]
				22 9/16" [573]	25 13/16" [656]	28 1/2" [723]	32 7/16" [823]	36" [914]
				TRANSOM				
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT3 2204	*TDT3 2404	*TDT3 2704	*TDT3 3004	*TDT3 3004
24 3/8" [619]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT3 2206	*TDT3 2406	*TDT3 2706	*TDT3 3006	*TDT3 3006
32 1/4" [819]	31 1/2" [800]	29 5/8" [752]	25 7/16" [646]	*TDT3 2208	*TDT3 2408	*TDT3 2708	*TDT3 3008	*TDT3 3008
				DOORS				
80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	TD3 2220	TD3 2420	TD3 2720	TD3 3020	TD3 3220
81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	TD3 2221	TD3 2421	TD3 2721	TD3 3021	TD3 3221
86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	TD3 2270	TD3 2470	TD3 2770	TD3 3070	TD3 3270
95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	TD3 2224	TD3 2424	TD3 2724	TD3 3024	TD3 3224
98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	TD3 2280	TD3 2480	TD3 2780	TD3 3080	TD3 3280
99 5/8" [2531]	99 1/16" [2516]	96" [2438]	88 3/8" [2244]	TD3 2225	TD3 2425	TD3 2725	TD3 3025	TD3 3225
106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	TD3 2227	TD3 2427	TD3 2727	TD3 3027	TD3 3227

Height

* Transom

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") TD**

Size Charts

TD3 Non-Clad

Rough Opening	Frame	Panel	Visible Glass	88 3/8" [2245]	98 3/16" [2494]	106 1/16" [2695]	117 7/8" [2995]	128 11/16" [3268]
				Width				
				87 5/8" [2226]	97 7/16" [2475]	105 5/16" [2676]	117 1/8" [2976]	127 15/16" [3249]
				28 1/2" [723]	31 3/4" [806]	34 3/8" [873]	38 5/16" [973]	41 7/8" [1064]
				22 9/16" [573]	25 13/16" [656]	28 1/2" [723]	32 7/16" [823]	36" [914]
				TRANSOM				
16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT3 2204	*TDT3 2404	*TDT3 2704	*TDT3 3004	*TDT3 3004
24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT3 2206	*TDT3 2406	*TDT3 2706	*TDT3 3006	*TDT3 3006
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*TDT3 2208	*TDT3 2408	*TDT3 2708	*TDT3 3008	*TDT3 3008
				DOORS				
80 1/8" [2035]	79 1/2" [2020]	77" [1956]	69 3/4" [1771]	TD3 2220	TD3 2420	TD3 2720	TD3 3020	TD3 3220
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	71 1/2" [1816]	TD3 2221	TD3 2421	TD3 2721	TD3 3021	TD3 3221
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	76 3/16" [1935]	TD3 2270	TD3 2470	TD3 2770	TD3 3070	TD3 3270
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	84 11/16" [2151]	TD3 2224	TD3 2424	TD3 2724	TD3 3024	TD3 3224
98" [2489]	97 3/8" [2474]	94 7/8" [2410]	87 5/8" [2225]	TD3 2280	TD3 2480	TD3 2780	TD3 3080	TD3 3280
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452]	89 1/4" [2267]	TD3 2225	TD3 2425	TD3 2725	TD3 3025	TD3 3225
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	96 1/2" [2451]	TD3 2227	TD3 2427	TD3 2727	TD3 3027	TD3 3227

Height

* Transom

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") TD**

Size Charts

TD4 Metal-Clad

Rough Opening	Frame	Panel	Visible Glass	117" [2972]	130 1/16" [3304]	140 5/8" [3572]	156 3/8" [3972]	170 11/16" [4336]
				Width				
				116 1/4" [2953]	129 5/16" [3285]	139 7/8" [3553]	155 5/8" [3953]	169 15/16" [4317]
				28 1/2" [723]	31 3/4" [806]	34 3/8" [873]	38 5/16" [973]	41 7/8" [1064]
				22 9/16" [573]	25 13/16" [656]	28 1/2" [723]	32 7/16" [823]	36" [914]
				TRANSOM				
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT4 3004	*TDT4 3204	*TDT4 3604	*TDT4 4004	*TDT4 4004
24 3/8" [619]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT4 3006	*TDT4 3206	*TDT4 3606	*TDT4 4006	*TDT4 4006
32 1/4" [819]	31 1/2" [800]	29 5/8" [752]	25 7/16" [646]	*TDT4 3006	*TDT4 3206	*TDT4 3606	*TDT4 4006	*TDT4 4006
				DOORS				
80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	TD4 3020	TD4 3220	TD4 3620	TD4 4020	TD4 4320
81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	TD4 3021	TD4 3221	TD4 3621	TD4 4021	TD4 4321
86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	TD4 3070	TD4 3270	TD4 3670	TD4 4070	TD4 4370
95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	TD4 3024	TD4 3224	TD4 3624	TD4 4024	TD4 4324
98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	TD4 3080	TD4 3280	TD4 3680	TD4 4080	TD4 4380
99 5/8" [2531]	99 1/16" [2516]	96" [2438]	88 3/8" [2244]	TD4 3025	TD4 3225	TD4 3625	TD4 4025	TD4 4325
106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	TD4 3027	TD4 3227	TD4 3627	TD4 4027	TD4 4327

Height

* Transom

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") TD**

Size Charts

TD4 Non-Clad

Width

Rough Opening				117" [2972]	130 1/16" [3304]	140 5/8" [3572]	156 3/8" [3972]	170 11/16" [4336]
	Frame			116 1/4" [2953]	129 5/16" [3285]	139 7/8" [3553]	155 5/8" [3953]	169 15/16" [4317]
		Panel		28 1/2" [723]	31 3/4" [806]	34 3/8" [873]	38 5/16" [973]	41 7/8" [1064]
			Visible Glass	22 9/16" [573]	25 13/16" [656]	28 1/2" [723]	32 7/16" [823]	36" [914]
				TRANSOM				
16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT4 3004	*TDT4 3204	*TDT4 3604	*TDT4 4004	*TDT4 4004
24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT4 3006	*TDT4 3206	*TDT4 3606	*TDT4 4006	*TDT4 4006
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*TDT4 3008	*TDT4 3208	*TDT4 3608	*TDT4 4008	*TDT4 4008
				DOORS				
80 1/8" [2035]	79 1/2" [2020]	77" [1956]	69 3/4" [1771]	TD4 3020	TD4 3220	TD4 3620	TD4 4020	TD4 4320
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	71 1/2" [1816]	TD4 3021	TD4 3221	TD4 3621	TD4 4021	TD4 4321
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	76 3/16" [1935]	TD4 3070	TD4 3270	TD4 3670	TD4 4070	TD4 4370
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	84 11/16" [2151]	TD4 3024	TD4 3224	TD4 3624	TD4 4024	TD4 4324
98" [2489]	97 3/8" [2474]	94 7/8" [2410	87 5/8" [2225]	TD4 3080	TD4 3280	TD4 3680	TD4 4080	TD4 4380
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452]	89 1/4" [2267]	TD4 3025	TD4 3225	TD4 3625	TD4 4025	TD4 4325
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	96 1/2" [2451]	TD4 3027	TD4 3227	TD4 3627	TD4 4027	TD4 4327

Height

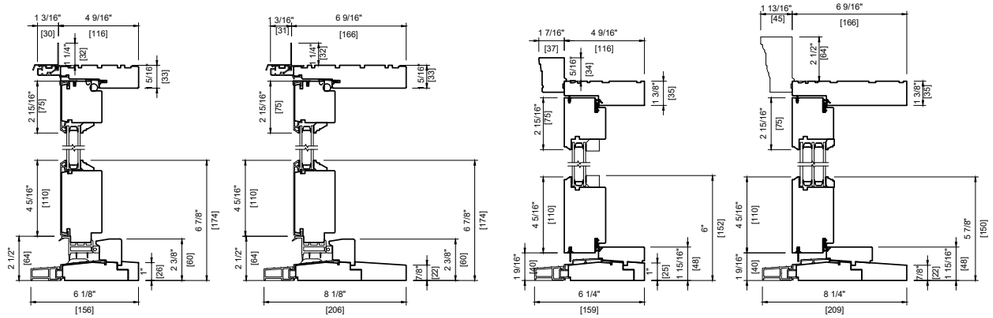
* Transom

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") TD**

Drawings

Outswing

HEAD & SILL DETAILS



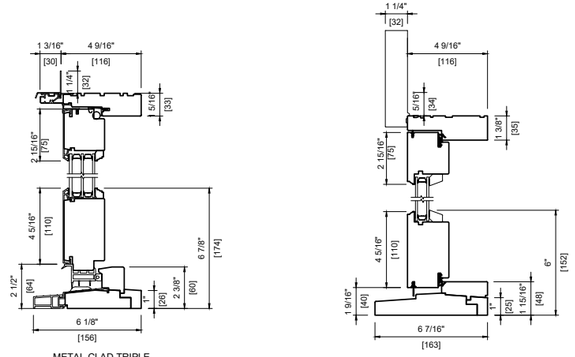
METAL CLAD DOUBLE
4 9/16" (116mm)

METAL CLAD DOUBLE
6 9/16" (166mm) FULL JAMB

WOOD EXTERIOR DOUBLE
4 9/16" (116mm) 2" BRICKMOULD
SQUARE STOP

WOOD EXTERIOR TRIPLE
6 9/16" (166mm) FULL JAMB
ADAMS CASING

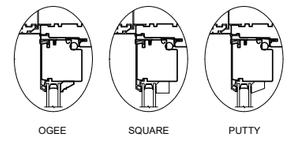
HEAD & SILL DETAILS



METAL CLAD TRIPLE
4 9/16" (116mm)

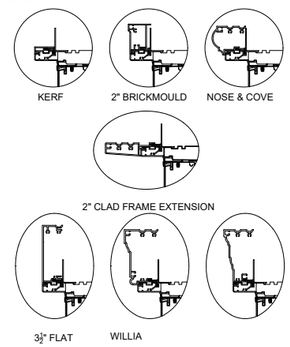
WOOD EXTERIOR DOUBLE
5 ¼" FLAT CASING, PUTTY STOP
WHITE OAK SILL

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

CASING



KERF 2" BRICKMOULD NOSE & COVE

2" CLAD FRAME EXTENSION

3¼" FLAT WILLIA

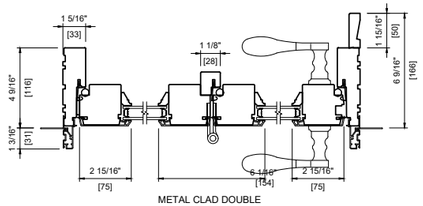
SEE PAGE A22 FOR DIMENSIONS.

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") TD**

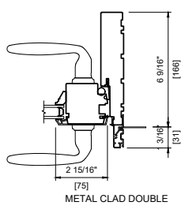
Drawings

Outswing (cont'd)

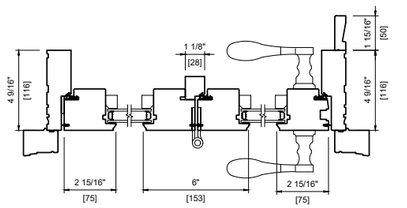
PLAN VIEW



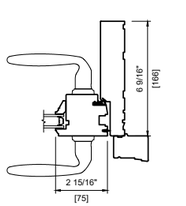
METAL CLAD DOUBLE
TWO PANEL



METAL CLAD DOUBLE
6 9/16" (166 mm) FULL JAMB

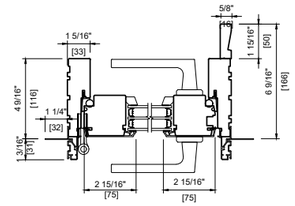


WOOD EXTERIOR DOUBLE
TWO PANEL 2 BRICKMOULD
SQUARE STOP

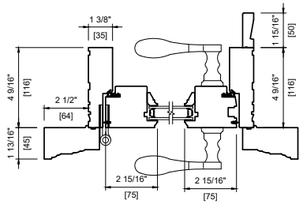


WOOD EXTERIOR DOUBLE
6 9/16" (166 mm) FULL JAMB
2" BRICKMOULD

PLAN VIEW

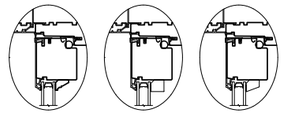


METAL CLAD TRIPLE
ONE PANEL
PUTTY STOP



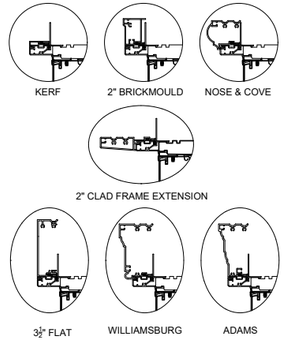
WOOD EXTERIOR DOUBLE
ONE PANEL
ADAMS CASING

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

CASING



KERF 2" BRICKMOULD NOSE & COVE

2" CLAD FRAME EXTENSION

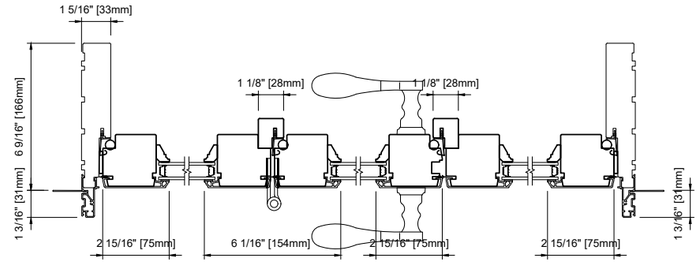
3½" FLAT WILLIAMSBURG ADAMS

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") TD**

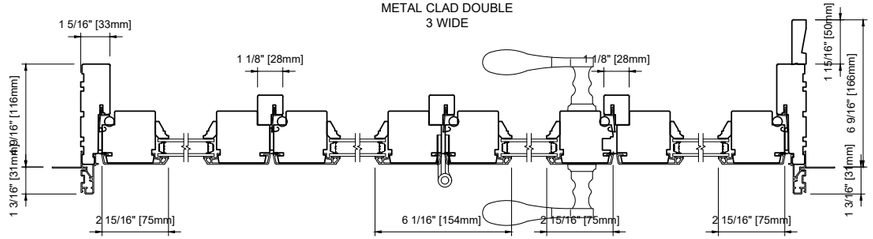
Drawings

3 & 4 Wide Outswing

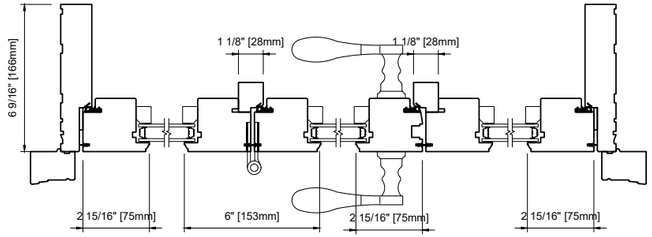
PLAN VIEW



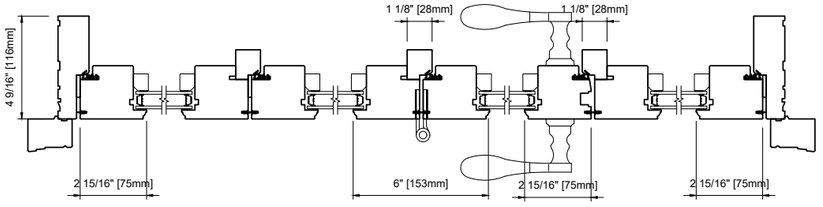
METAL CLAD DOUBLE
3 WIDE



METAL CLAD DOUBLE
4 WIDE



WOOD EXTERIOR DOUBLE
3 WIDE
2 BRICKMOULD, SQUARE STOP



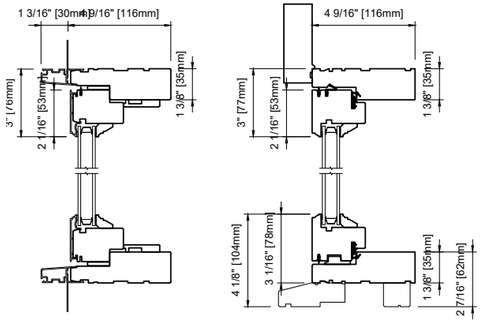
WOOD EXTERIOR DOUBLE
4 WIDE
2 BRICKMOULD, SQUARE STOP

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") TD**

Drawings

Outswing Transom

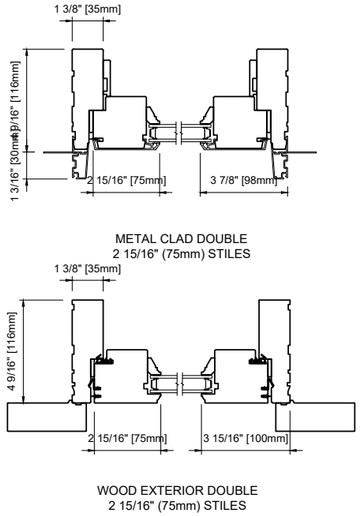
HEAD & SILL



METAL CLAD DOUBLE
2 1/16" (53mm) RAILS

WOOD EXTERIOR DOUBLE
2 1/16" (53mm) RAILS

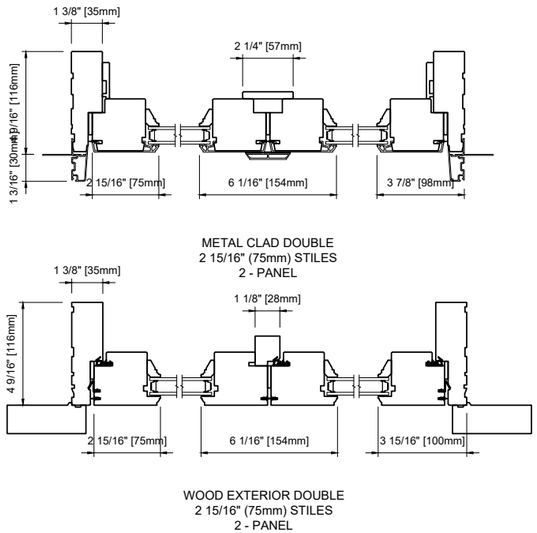
PLAN VIEW



METAL CLAD DOUBLE
2 15/16" (75mm) STILES

WOOD EXTERIOR DOUBLE
2 15/16" (75mm) STILES

PLAN VIEW



METAL CLAD DOUBLE
2 15/16" (75mm) STILES
2 - PANEL

WOOD EXTERIOR DOUBLE
2 15/16" (75mm) STILES
2 - PANEL

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

TD1 Metal-Clad

Width

Rough Opening	Frame	Panel	Visible Glass	18 7/16" [469]	24 3/8" [619]	31 1/4" [793]	34 1/2" [876]	37 1/8" [943]	41 1/16" [1043]	44 5/8" [1134]
				17 11/16" [450]	23 5/8" [600]	30 1/2" [774]	33 3/4" [857]	36 3/8" [924]	40 5/16" [1024]	43 7/8" [1115]
				15 13/16" [402]	21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	38 7/16" [976]	42" [1065]
				7 3/16" [182]	13 1/16" [332]	19 15/16" [506]	23 3/16 " [589]	25 13/16" [656]	29 3/4" [756]	33 3/8" [847]
				TRANSOM						
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT1 0404	*TDT1 0604	*TDT1 0704	*TDT1 0804	*TDT1 0904	*TDT1 1004	*TDT1 1104
24 3/8" [619]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT1 0406	*TDT1 0606	*TDT1 0706	*TDT1 0806	*TDT1 0906	*TDT1 1006	*TDT1 1106
32 1/4" [819]	31 1/2" [800]	29 5/8" [752]	25 7/16" [646]	*TDT1 0408	*TDT1 0608	*TDT1 0708	*TDT1 0808	*TDT1 0908	*TDT1 1008	*TDT1 1108
				FIXED SIDELITES		DOORS				
80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	^TD1 0420	^TD1 0620	TD1 0720	TD1 0820	TD1 0920	TD1 1020	TD1 1120
81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	^TD1 0421	^TD1 0621	TD1 0721	TD1 0821	TD1 0921	TD1 1021	TD1 1121
86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	^TD1 0470	^TD1 0670	TD1 0770	TD1 0870	TD1 0970	TD1 1070	TD1 1170
95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]		^TD1 0624	TD1 0724	TD1 0824	TD1 0924	TD1 1024	TD1 1124
98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]		^TD1 0680	TD1 0780	TD1 0880	TD1 0980	TD1 1080	TD1 1180
99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]		^TD1 0625	TD1 0725	TD1 0825	TD1 0925	TD1 1025	TD1 1125
106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]		^TD1 0627	TD1 0727	TD1 0827	TD1 0927	TD1 1027	TD1 1127
124" [3150]	123 7/16" [3135]	120 3/8" [3057]	107 13/16" [2738]		^TD1 0632	TD1 0732	TD1 0832	TD1 0932	TD1 1032	TD1 1132

Height

* Transom
^ Fixed

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

TD1 Non-Clad

Rough Opening	Frame	Panel	Visible Glass	Width: 18 7/16" [469]	24 3/8" [619]	31 1/4" [793]	34 1/2" [876]	38 11/16" [983]	41 1/16" [1043]	44 5/8" [1134]
				17 11/16" [450]	23 5/8" [600]	30 1/2" [774]	33 3/4" [857]	37 15/16" [964]	40 5/16" [1024]	43 7/8" [1115]
				15 3/4" [400]	21 5/8" [550]	28 1/2" [724]	31 3/4" [807]	36" [914]	38 3/8" [974]	41 15/16" [1065]
				7 1/16" [180]	13" [330]	19 13/16" [504]	23 1/8" [587]	27 5/16" [694]	29 11/16" [754]	33 1/4" [845]
				TRANSOM						
16 1/2" [419]	15 3/4" [400]	13 13/16" [351]	9 5/8" [245]	*TDT1 0404	*TDT1 0604	*TDT1 0704	*TDT1 0804	*TDT1 0904	*TDT1 1004	*TDT1 1104
24 3/8" [619]	23 5/8" [600]	21 11/16" [551]	17 1/2" [445]	*TDT1 0406	*TDT1 0606	*TDT1 0706	*TDT1 0806	*TDT1 0906	*TDT1 1006	*TDT1 1106
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*TDT1 0408	*TDT1 0608	*TDT1 0708	*TDT1 0808	*TDT1 0908	*TDT1 1008	*TDT1 1108
				VENTING SIDELITES		DOORS				
80 1/8" [2035]	79 1/2" [2020]	77" [1956]	64 13/16" [1646]	^TD1 0420	^TD1 0620	TD1 0720	TD1 0820	TD1 0920	TD1 1020	TD1 1120
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	66 9/16" [1691]	^TD1 0421	^TD1 0621	TD1 0721	TD1 0821	TD1 0921	TD1 1021	TD1 1121
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	71 4/4" [1810]	^TD1 0470	^TD1 0670	TD1 0770	TD1 0870	TD1 0970	TD1 1070	TD1 1170
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	79 3/4" [2026]		^TD1 0624	TD1 0724	TD1 0824	TD1 0924	TD1 1024	TD1 1124
98" [2489]	97 3/8 " [2474]	94 57/8" [2410]	82 11/16" [2100]		^TD1 0680	TD1 0780	TD1 0880	TD1 0980	TD1 1080	TD1 1180
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452]	84 5/16" [2142]		^TD1 0625	TD1 0725	TD1 0825	TD1 0925	TD1 1025	TD1 1125
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	91 9/16" [2326]		^TD1 0627	TD1 0727	TD1 0827	TD1 0927	TD1 1027	TD1 1127
124" [3150]	123 7/16" [3135]	120 7/8" [3071]	108 11/16" [2761]		^TD1 0632	TD1 0732	TD1 0832	TD1 0932	TD1 1032	TD1 1132

Height

* Transom
^ Fixed

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

TD2 Metal-Clad

Rough Opening	Frame	Panel	Visible Glass	Width: 46 1/8" [1171]	59 13/16" [1519]	66 5/16" [1685]	71 5/8" [1819]	79 1/2" [2019]	86 5/8" [2201]
				45 3/8" [1152]	59 1/16" [1500]	65 9/16" [1666]	70 7/8" [1800]	78 3/4" [2000]	85 7/8" [2182]
				21 5/8" [550]	28 1/2" [724]	31 3/4" [807]	34 7/16" [874]	38 3/8" [974]	41 15/16" [1065]
				13" [330]	19 13/16" [504]	23 1/8" [587]	25 3/4" [654]	29 11/16" [754]	33 1/4" [845]
				TRANSOM					
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT2 1204	*TDT2 1504	*TDT2 1604	*TDT2 1804	*TDT2 2004	*TDT2 2204
24 3/8" [619]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT2 1206	*TDT2 1506	*TDT2 1606	*TDT2 1806	*TDT2 2006	*TDT2 2206
32 1/4" [819]	31 1/2" [800]	29 5/8" [752]	25 7/16" [646]	*TDT2 1208	*TDT2 1508	*TDT2 1608	*TDT2 1808	*TDT2 2008	*TDT2 2208
				DOORS					
80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	TD2 1220	TD2 1520	TD2 1620	TD2 1820	TD2 2020	TD2 2220
81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	TD2 1221	TD2 1521	TD2 1621	TD2 1821	TD2 2021	TD2 2221
86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	TD2 1270	TD2 1570	TD2 1670	TD2 1870	TD2 2070	TD2 2270
95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	TD2 1224	TD2 1524	TD2 1624	TD2 1824	TD2 2024	TD2 2224
98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	TD2 1280	TD2 1580	TD2 1680	TD2 1880	TD2 2080	TD2 2280
99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	TD2 1225	TD2 1525	TD2 1625	TD2 1825	TD2 2025	TD2 2225
106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	TD2 1227	TD2 1527	TD2 1627	TD2 1827	TD2 2027	TD2 2227
124" [3150]	123 7/16" [3135]	120 3/8" [3057]	107 13/16" [2738]	TD2 1232	TD2 1532	TD2 1632	TD2 1832	TD2 2032	TD2 2232

Height

* Transom

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

TD2 Non-Clad

Width

Rough Opening	Frame	Panel	Visible Glass	46 1/8" [1171]	59 13/16" [1519]	66 5/16" [1685]	74 3/4" [1899]	79 1/2" [2019]	86 5/8" [2201]
				45 3/8 " [1152]	59 1/16" [1500]	65 9/16" [1666]	74 1/16" [1882]	78 3/4" [2000]	85 7/8" [2182]
				21 5/8" [549]	28 7/16" [723]	31 3/4" [806]	35 15/16" [913]	38 5/16" [973]	41 7/8" [1064]
				12 15/16" [329]	19 13/16" [503]	23 1/16" [586]	27 5/16" [693]	29 5/8" [753]	33 1/4" [844]
				TRANSOM					
16 1/2" [419]	15 3/4" [400]	13 13/16" [351]	9 5/8" [245]	*TDT2 1204	*TDT2 1504	*TDT2 1604	*TDT2 1804	*TDT2 2004	*TDT2 2204
24 3/8" [619]	23 5/8" [600]	21 11/16" [551]	17 1/2" [445]	*TDT2 1206	*TDT2 1506	*TDT2 1606	*TDT2 1806	*TDT2 2006	*TDT2 2206
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*TDT2 1208	*TDT2 1508	*TDT2 1608	*TDT2 1808	*TDT2 2008	*TDT2 2208
				DOORS					
80 1/8" [2035]	79 1/2" [2020]	77" [1956]	64 13/16" [1646]	TD2 1220	TD2 1520	TD2 1620	TD2 1820	TD2 2020	TD2 2220
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	66 9/16" [1691]	TD2 1221	TD2 1521	TD2 1621	TD2 1821	TD2 2021	TD2 2221
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	71 4/4" [1810]	TD2 1270	TD2 1570	TD2 1670	TD2 1870	TD2 2070	TD2 2270
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	79 3/4" [2026]	TD2 1224	TD2 1524	TD2 1624	TD2 1824	TD2 2024	TD2 2224
98" [2489]	97 3/8" [2474]	94 57/8" [2410]	82 11/16" [2100]	TD2 1280	TD2 1580	TD2 1680	TD2 1880	TD2 2080	TD2 2280
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452]	84 5/16" [2142]	TD2 1225	TD2 1525	TD2 1625	TD2 1825	TD2 2025	TD2 2225
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	91 9/16" [2326]	TD2 1227	TD2 1527	TD2 1627	TD2 1827	TD2 2027	TD2 2227
124" [3150]	123 7/16" [3135]	120 7/8" [3071]	108 11/16" [2761]	TD2 1232	TD2 1532	TD2 1632	TD2 1832	TD2 2032	TD2 2232

Height

* Transom

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

TD3 Metal-Clad

Width

Rough Opening	Frame	Panel	Visible Glass	88 3/8" [2245]	98 3/16" [2494]	106 1/8" [2695]	117 15/16" [2995]	128 11/16" [3268]
				87 5/8" [2226]	97 7/16" [2475]	105 3/8" [2676]	117 3/16" [2976]	127 15/16" [3249]
				28 1/2" [723]	31 3/4" [806]	34 3/8" [873]	38 5/16" [973]	41 7/8" [1064]
				19 13/16" [503]	23 1/16" [586]	25 3/4" [653]	29 11/16" [753]	33 1/4" [844]
				TRANSOM				
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT3 2204	*TDT3 2404	*TDT3 2704	*TDT3 3004	*TDT3 3204
24 3/8" [619]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT3 2206	*TDT3 2406	*TDT3 2706	*TDT3 3006	*TDT3 3206
32 1/4" [819]	31 1/2" [800]	29 5/8" [752]	25 7/16" [646]	*TDT3 2208	*TDT3 2408	*TDT3 2708	*TDT3 3008	*TDT3 3208
				DOORS				
80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	TD3 2220	TD3 2420	TD3 2720	TD3 3020	TD3 3220
81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	TD3 2221	TD3 2421	TD3 2721	TD3 3021	TD3 3221
86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	TD3 2270	TD3 2470	TD3 2770	TD3 3070	TD3 3270
95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	TD3 2224	TD3 2424	TD3 2724	TD3 3024	TD3 3224
98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	TD3 2280	TD3 2480	TD3 2780	TD3 3080	TD3 3280
99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	TD3 2225	TD3 2425	TD3 2725	TD3 3025	TD3 3225
106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	TD3 2227	TD3 2427	TD3 2727	TD3 3027	TD3 3227
124" [3150]	123 7/16" [3135]	120 3/8" [3057]	107 13/16" [2738]	TD3 2232	TD3 2432	TD3 2732	TD3 3032	TD3 3232

Height

* Transom

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

TD3 Non-Clad

Width

Rough Opening				88 3/8" [2245]	98 3/16" [2494]	111" [2219]	117 15/16" [2995]	128 11/16" [3268]
	Frame			87 5/8" [2226]	97 7/16" [2475]	110 1/4" [2800]	117 3/16" [2976]	127 15/16" [3249]
		Panel		28 7/16" [723]	31 3/4" [806]	36" [914]	38 5/16 " [973]	41 7/8" [1064]
			Visible Glass	19 13/16" [503]	23 1/16" [586]	27 5/16" [694]	29 5/8" [753]	33 3/16" [844]
				TRANSOM				
16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT3 2204	*TDT3 2404	*TDT3 2704	*TDT3 3004	*TDT3 3204
24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT3 2206	*TDT3 2406	*TDT3 2706	*TDT3 3006	*TDT3 3206
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*TDT3 2208	*TDT3 2408	*TDT3 2708	*TDT3 3008	*TDT3 3208
				DOORS				
80 1/8" [2035]	79 1/2" [2020]	77" [1956]	64 13/16" [1646]	TD3 2220	TD3 2420	TD3 2720	TD3 3020	TD3 3220
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	66 9/16" [1691]	TD3 2221	TD3 2421	TD3 2721	TD3 3021	TD3 3221
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	71 4/4" [1810]	TD3 2270	TD3 2470	TD3 2770	TD3 3070	TD3 3270
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	79 3/4" [2026]	TD3 2224	TD3 2424	TD3 2724	TD3 3024	TD3 3224
98" [2489]	97 3/8" [2474]	94 57/8" [2410]	82 11/16" [2100]	TD3 2280	TD3 2480	TD3 2780	TD3 3080	TD3 3280
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452]	84 5/16" [2142]	TD3 2225	TD3 2425	TD3 2725	TD3 3025	TD3 3225
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	91 9/16" [2326]	TD3 2227	TD3 2427	TD3 2727	TD3 3027	TD3 3227
124" [3150]	123 7/16" [3135]	120 7/8" [3071]	108 11/16" [2761]	TD3 2232	TD3 2432	TD3 2732	TD3 3032	TD3 3232

Height

* Transom

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

TD4 Metal-Clad

Width

Rough Opening				117" [2972]	130 1/16" [3304]	140 5/8" [3572]	156 3/8" [3972]	170 11/16" [4336]
	Frame			116 1/4" [2953]	129 5/16" [3285]	139 7/8" [3553]	155 5/8" [3953]	169 15/16" [4317]
		Panel		28 1/2" [723]	31 3/4" [806]	34 3/8" [873]	38 5/16" [973]	41 7/8" [1064]
			Visible Glass	19 13/16" [503]	23 1/16" [586]	25 3/4" [653]	29 11/16" [753]	33 1/4" [844]
				TRANSOM				
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT4 3004	*TDT4 3204	*TDT4 3604	*TDT4 4004	*TDT4 4304
24 3/8" [619]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT4 3006	*TDT4 3206	*TDT4 3606	*TDT4 4006	*TDT4 4306
32 1/4" [819]	31 1/2" [800]	29 5/8" [752]	25 7/16" [646]	*TDT4 3008	*TDT4 3208	*TDT4 3608	*TDT4 4008	*TDT4 4308
				DOORS				
80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	TD4 3020	TD4 3220	TD4 3620	TD4 4020	TD4 4320
81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	TD4 3021	TD4 3221	TD4 3621	TD4 4021	TD4 4321
86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	TD4 3070	TD4 3270	TD4 3670	TD4 4070	TD4 4370
95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	TD4 3024	TD4 3224	TD4 3624	TD4 4024	TD4 4324
98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	TD4 3080	TD4 3280	TD4 3680	TD4 4080	TD4 4380
99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	TD4 3025	TD4 3225	TD4 3625	TD4 4025	TD4 4325
106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	TD4 3027	TD4 3227	TD4 3627	TD4 4027	TD4 4327
124" [3150]	123 7/16" [3135]	120 3/8" [3057]	107 13/16" [2738]	TD4 3032	TD4 3032	TD4 3632	TD4 4032	TD4 4332

Height

* Transom

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

TD4 Non-Clad

Width

Rough Opening				117" [2972]	130 1/16" [3304]	147 1/8" [3737]	156 3/8" [3972]	170 11/16" [4336]
	Frame			116 1/4" [2953]	129 5/16" [3285]	146 3/8" [3718]	155 5/8" [3953]	169 15/16" [4317]
		Panel		287/16" [723]	31 3/4" [806]	36" [914]	38 5/16" [973]	41 7/8" [1064]
			Visible Glass	19 13/16" [503]	23 1/16" [586]	27 5/16" [694]	29 5/8" [753]	33 3/16" [844]
				TRANSOM				
16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*TDT4 3004	*TDT4 3204	*TDT4 3604	*TDT4 4004	*TDT4 4304
24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*TDT4 3006	*TDT4 3206	*TDT4 3606	*TDT4 4006	*TDT4 4306
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*TDT4 3008	*TDT4 3208	*TDT4 3608	*TDT4 4008	*TDT4 4308
				DOORS				
80 1/8" [2035]	79 1/2" [2020]	77" [1956]	64 13/16" [1646]	TD4 3020	TD4 3220	TD4 3620	TD4 4020	TD4 4320
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	66 9/16" [1691]	TD4 3021	TD4 3221	TD4 3621	TD4 4021	TD4 4321
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	71 4/4" [1810]	TD4 3070	TD4 3270	TD4 3670	TD4 4070	TD4 4370
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	79 3/4" [2026]	TD4 3024	TD4 3224	TD4 3624	TD4 4024	TD4 4324
98" [2489]	97 3/8" [2474]	94 57/8" [2410]	82 11/16" [2100]	TD4 3080	TD4 3280	TD4 3680	TD4 4080	TD4 4380
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452]	84 5/16" [2142]	TD4 3025	TD4 3225	TD4 3625	TD4 4025	TD4 4325
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	91 9/16" [2326]	TD4 3027	TD4 3227	TD4 3627	TD4 4027	TD4 4327
124" [3150]	123 7/16" [3135]	120 7/8" [3071]	108 11/16" [2761]	TD4 3032	TD4 3032	TD4 3632	TD4 4032	TD4 4332

Height

* Transom

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

Cambertop TD1 Metal-Clad

Width

Rough Opening				31 1/4" [793]	34 1/2" [876]	37 1/8" [943]	41 1/16" [1043]	44 5/8" [1134]
	Frame			30 1/2" [774]	33 3/4" [857]	36 3/8" [924]	40 5/16" [1024]	43 7/8" [1115]
		Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	38 7/16" [976]	42" [1067]
			Visible Glass	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	29 3/4" [756]	33 3/8" [847]
80 1/8" [2035]	79 1/2" [2020]	76 3/8" [1940]	63 15/16" [1624]	CTTD1 0720	CTTD1 0820	CTTD1 0920	CTTD1 1020	CTTD1 1120
81 7/8" [2080]	81 5/16" [2065]	78 3/16" [1985]	65 11/16" [1669]	CTTD1 0721	CTTD1 0821	CTTD1 0921	CTTD1 1021	CTTD1 1121
86 9/16" [2199]	86" [2184	82 7/8" [2104]	70 3/8" [1788]	CTTD1 0770	CTTD1 0870	CTTD1 0970	CTTD1 1070	CTTD1 1170
95 1/16" [2415]	94 1/2" [2400]	91 3/8" [2320]	78 7/8" [2004]	CTTD1 0724	CTTD1 0824	CTTD1 0924	CTTD1 1024	CTTD1 1124
98" [2489]	97 3/8" [2474]	94 1/4" [2394]	81 13/16" [2078]	CTTD1 0780	CTTD1 0880	CTTD1 0980	CTTD1 1080	CTTD1 1180
99 5/8" [2531]	99 1/16" [2516]	95 15/16" [2436]	83 7/16" [2120]	CTTD1 0725	CTTD1 0825	CTTD1 0925		
106 7/8" [2715]	106 5/16" [2700]	103 3/16" [2620]	90 11/16" [2304]	CTTD1 0727	CTTD1 0827	CTTD1 0927		

Height

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

Cambertop TD1 Non-Clad

				Width				
Rough Opening				31 1/4" [793]	34 1/2" [876]	38 11/16" [983]	41 1/16" [1043]	44 5/8" [1134]
	Frame			30 1/2" [774]	33 3/4" [857]	37 15/16" [964]	40 5/16" [1024]	43 7/8" [1115]
		Panel		28 1/2" [724]	31 3/4" [587]	36" [914]	38 3/8" [974]	41 15/16" [1065]
			Visible Glass	19 13/16" [504]	23 1/8" [587]	27 5/16" [694]	29 11/16" [754]	33 1/4" [845]
Height								
80 1/8" [2035]	79 1/2" [2020]	77" [1956]	64 13/16" [1646]	CTTD1 0720	CTTD1 0820	CTTD1 0920	CTTD1 1020	CTTD1 1120
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	66 9/16" [1691]	CTTD1 0721	CTTD1 0821	CTTD1 0921	CTTD1 1021	CTTD1 1121
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	71 4/4" [1810]	CTTD1 0770	CTTD1 0870	CTTD1 0970	CTTD1 1070	CTTD1 1170
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	79 3/4" [2026]	CTTD1 0724	CTTD1 0824	CTTD1 0924	CTTD1 1024	CTTD1 1124
98" [2489]	97 3/8" [2474]	94 57/8" [2410]	82 11/16" [2100]	CTTD1 0780	CTTD1 0880			
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452]	84 5/16" [2142]	CTTD1 0725	CTTD1 0825			
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	91 9/16" [2326]	CTTD1 0727	CTTD1 0827			

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

Cambertop TD2 Metal-Clad

				Width				
Rough Opening				46 1/8" [1171]	59 13/16" [1519]	66 5/16" [1685]	70 5/8" [1819]	79 1/2" [2019]	86 5/8" [2201]
	Frame			45 3/8" [1152]	59 1/16" [1500]	65 9/16" [1666]	70 7/8" [1800]	78 3/4" [2000]	85 7/8" [2182]
		Panel		21 5/8" [550]	28 1/2" [724]	31 3/4" [807]	34 7/16" [874]	38 3/8" [974]	41 15/16" [1065]
			Visible Glass	13" [330]	19 13/16" [504]	23 1/8" [587]	25 3/4" [654]	29 11/16" [754]	33 1/4" [845]
Height									
80 1/8" [2035]	79 1/2" [2020]	76 3/8" [1940]	63 3/4" [1619]	CTTD2 1220	CTTD2 1520	CTTD2 1620	CTTD2 1820	CTTD2 2020	CTTD2 2220
81 7/8" [2080]	81 5/16" [2065]	78 3/16" [1985]	65 1/2" [1664]	CTTD2 1221	CTTD2 1521	CTTD2 1621	CTTD2 1821	CTTD2 2021	CTTD2 2221
86 9/16" [2199]	86" [2184]	82 7/8" [2104]	70 3/16" [1783]	CTTD2 1270	CTTD2 1570	CTTD2 1670	CTTD2 1870	CTTD2 2070	CTTD2 2270
95 1/16" [2415]	94 1/2" [2400]	91 3/8" [2320]	78 11/16" [1999]	CTTD2 1224	CTTD2 1524	CTTD2 1624	CTTD2 1824	CTTD2 2024	CTTD2 2224
98" [2489]	97 3/8" [2474]	94 1/4" [2394]	81 5/8" [2073]	CTTD2 1280	CTTD2 1580	CTTD2 1680	CTTD2 1880	CTTD2 2080	CTTD2 2280
99 5/8" [2531]	99 1/16" [2516]	95 15/16" [2436]	83 5/16" [2115]	CTTD2 1225	CTTD2 1525	CTTD2 1625	CTTD2 1825		
106 7/8" [2715]	106 5/16" [2700]	103 3/16" [2620]	90 1/2" [2299]	CTTD2 1227	CTTD2 1527	CTTD2 1627	CTTD2 1827		

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

Cambertop TD2 Non-Clad

Width

Rough Opening				59 13/16" [1519]	66 5/16" [1685]	74 3/4" [1899]	79 1/2" [2019]	86 5/8" [2201]
	Frame			59 1/16" [1500]	65 9/16" [1666]	74 1/16" [1882]	78 3/4" [2000]	85 7/8" [2182]
		Panel		28 7/16" [723]	31 3/4" [806]	35 15/16" [913]	38 5/16" [973]	41 7/8" [1064]
			Visible Glass	19 13/16" [503]	23 1/16" [586]	27 5/16" [693]	29 5/8" [753]	33 1/4" [844]
80 1/8" [2035]	79 1/2" [2020]	77" [1956]	64 13/16" [1646]	CTTD2 1520	CTTD2 1620	CTTD2 1820	CTTD2 2020	CTTD2 2220
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	66 9/16" [1691]	CTTD2 1521	CTTD2 1621	CTTD2 1821	CTTD2 2021	CTTD2 2221
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	71 4/4" [1810]	CTTD2 1570	CTTD2 1670	CTTD2 1870	CTTD2 2070	CTTD2 2270
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	79 3/4" [2026]	CTTD2 1524	CTTD2 1624	CTTD2 1824	CTTD2 2024	CTTD2 2224
98" [2489]	97 3/8" [2474]	94 57/8" [2410]	82 11/16" [2100]	CTTD2 1580	CTTD2 1680			
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452]	84 5/16" [2142]	CTTD2 1525	CTTD2 1625			
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	91 9/16" [2326]	CTTD2 1527	CTTD2 1627			

Height

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

Quarter Round TD1 Metal-Clad

Width

Rough Opening				31 1/4" [793]	34 1/2" [876]
	Frame			30 1/2" [774]	33 3/4" [857]
		Panel		28 9/16" [726]	31 7/8" [809]
			Visible Glass	20 1/8" [511]	23 3/8" [594]
95 1/16" [2415]	94 1/2" [2400]	91 3/8" [2321]	78 3/8" [1991]	CTTD1 0724	
98" [2489]	97 3/8" [2474]	94 1/4" [2395]	81 5/16" [2065]	CTTD1 0780	
99 5/8" [2531]	99 1/16" [2516]	95 15/16" [2437]	82 15/16" [2107]	CTTD1 0725	
106 7/8" [2715]	106 5/16" [2700]	103 3/16" [2621]	90 3/16" [2291]	CTTD1 0727	CTTD1 0827

Height

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

Quarter Round TD1 Non-Clad

Width

Rough Opening	Frame	Panel	Visible Glass	31 1/4" [793]	34 1/2" [876]
				30 1/2" [774]	33 3/4" [857]
				28 9/16" [726]	31 7/8" [809]
				20 1/8" [511]	23 3/8" [594]
95 1/16" [2415]	94 1/2" [2400]	91 3/8" [2321]	78 3/8" [1991]	CTTD1 0724	
98" [2489]	97 3/8" [2474]	94 1/4" [2395]	81 5/16" [2065]	CTTD1 0780	
99 5/8" [2531]	99 1/16" [2516]	95 15/16" [2437]	82 15/16" [2107]	CTTD1 0725	
106 7/8" [2715]	106 5/16" [2700]	103 3/16" [2621]	90 3/16" [2291]	CTTD1 0727	CTTD1 0827

Height

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

Quarter Round TD2 Metal-Clad

Width

Rough Opening Inswing with Jamb Extension	Rough Opening	Frame	Panel	Visible Glass	60 7/16" [1535]	66 15/16" [1701]
					59 13/16" [1519]	66 5/16" [1685]
					59 1/16" [1500]	65 9/16" [1666]
					28 9/16" [726]	31 7/8" [809]
					19 15/16" [506]	23 3/16" [589]
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 3/8" [1990]	CTTD2 1524	
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	CTTD2 1580	
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	82 15/16" [2106]	CTTD2 1525	
107 3/16" [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 3/16" [2290]	CTTD2 1527	CTTD2 1627

Height

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

Quarter Round TD2 Non-Clad

Width

Rough Opening Inswing with Jamb Extension					60 7/16" [1535]	66 15/16" [1701]
	Rough Opening				59 13/16" [1519]	66 5/16" [1685]
		Frame			59 1/16" [1500]	65 9/16" [1666]
			Panel		28 9/16" [726]	31 7/8" [809]
				Visible Glass	19 15/16" [506]	23 3/16" [589]
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 3/8" [1990]	CTTD2 1524	
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	CTTD2 1580	
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	82 15/16" [2106]	CTTD2 1525	
107 3/16" [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 3/16" [2290]	CTTD2 1527	CTTD2 1627

Height

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

Size Charts

Half Round TD1 Metal-Clad

Width

Rough Opening Inswing with Jamb Extension					35 1/82" [892]	37 3/4" [959]
	Rough Opening				34 1/2" [876]	37 1/8" [943]
		Frame			33 3/4" [857]	36 3/8" [924]
			Panel		31 7/8" [809]	34 1/2" [876]
				Visible Glass	23 3/16" [589]	25 13/16" [656]
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	CTTD1 0821	CTTD1 0921
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	CTTD1 0870	CTTD1 0970
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	CTTD1 0824	CTTD1 0924
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	CTTD1 0880	CTTD1 0980
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	CTTD1 0825	CTTD1 0925
107 3/16" [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	CTTD1 0827	

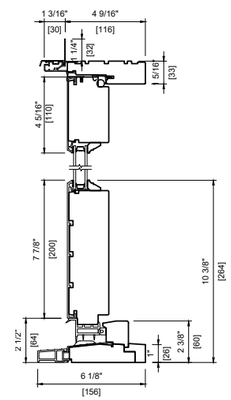
Height

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

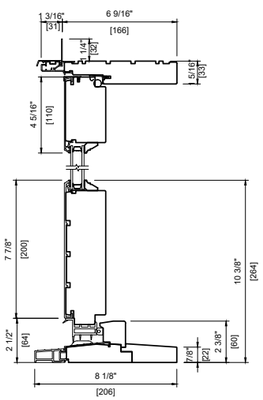
Drawings

Outswing

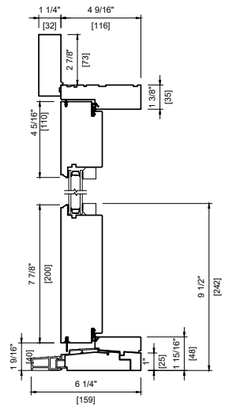
HEAD & SILL DETAILS



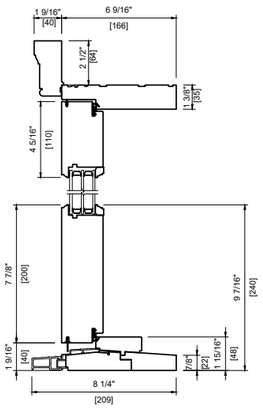
METAL CLAD DOUBLE
4 9/16" (116mm)



METAL CLAD DOUBLE
6 9/16" (166mm) FULL JAMB

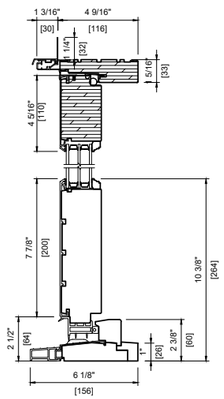


WOOD EXTERIOR DOUBLE
4 9/16" (116mm) 3 $\frac{1}{2}$" FLAT CASING
SQUARE STOP

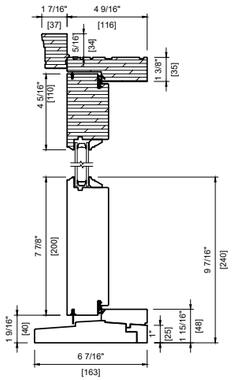


WOOD EXTERIOR TRIPLE
6 9/16" (166mm) FULL JAMB
WILLIAMSBERG CASING

HEAD & SILL DETAILS

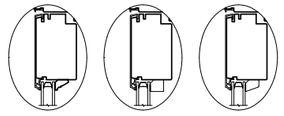


METAL CLAD TRIPLE
CAMBERTOP
4 9/16" (116mm)



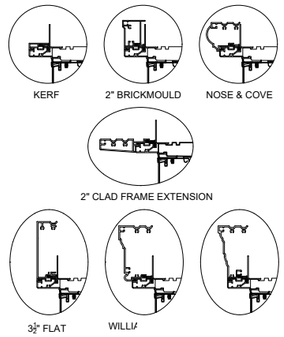
WOOD EXTERIOR DOUBLE
CAMBERTOP 2" BRICKMOULD
WHITE OAK SILL

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

CASING



KERF 2" BRICKMOULD NOSE & COVE

2" CLAD FRAME EXTENSION

3$\frac{1}{2}$" FLAT WILLI

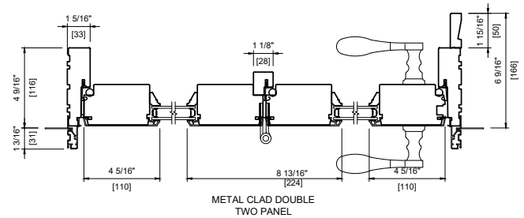
SEE PAGE A22 FOR DIMENSIONS.

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

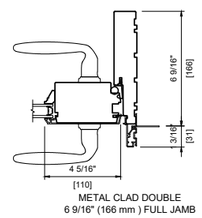
Drawings

Outswing (cont'd)

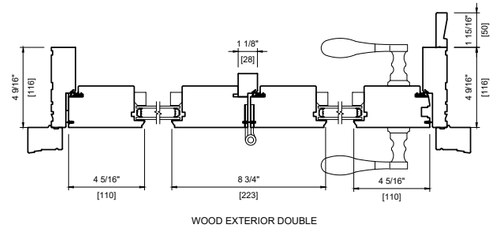
PLAN VIEW



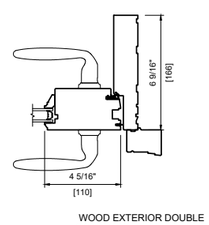
METAL CLAD DOUBLE
TWO PANEL



METAL CLAD DOUBLE
6 9/16" (166 mm) FULL JAMB

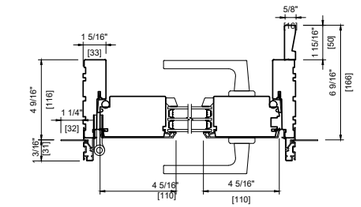


WOOD EXTERIOR DOUBLE
TWO PANEL 2 BRICKMOULD
SQUARE STOP

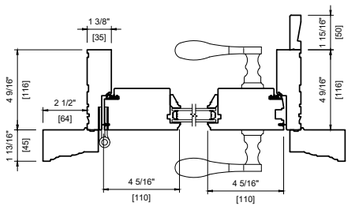


WOOD EXTERIOR DOUBLE
6 9/16" (166 mm) FULL JAMB
2" BRICKMOULD

PLAN VIEW

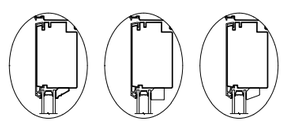


METAL CLAD TRIPLE
ONE PANEL
PUTTY STOP



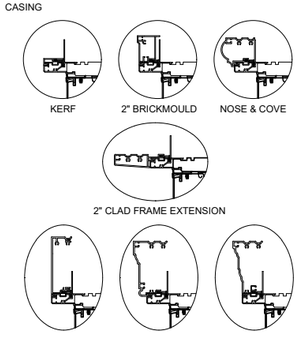
WOOD EXTERIOR DOUBLE
ONE PANEL
ADAMS CASING

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

CASING



KERF 2" BRICKMOULD NOSE & COVE

2" CLAD FRAME EXTENSION

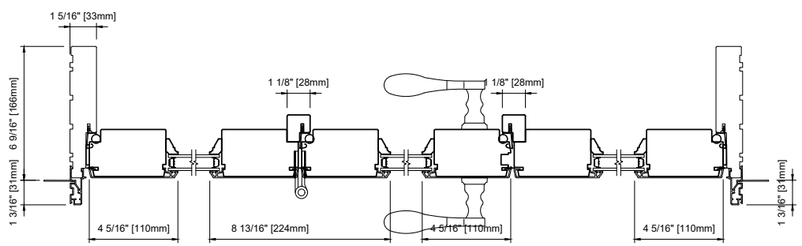
3$\frac{1}{2}$" FLAT WILLIAMSBURG ADAMS

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

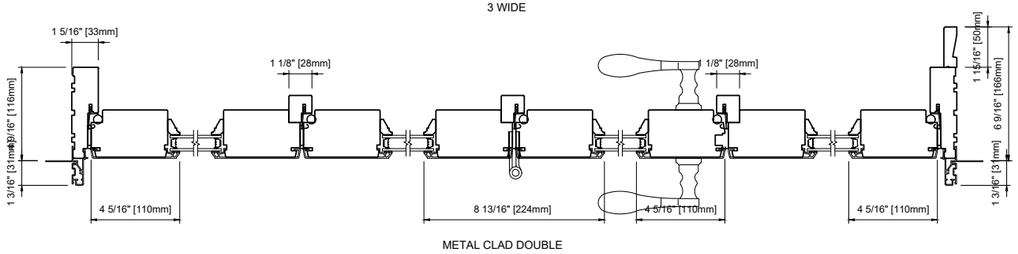
Drawings

3 & 4 Wide Outswing

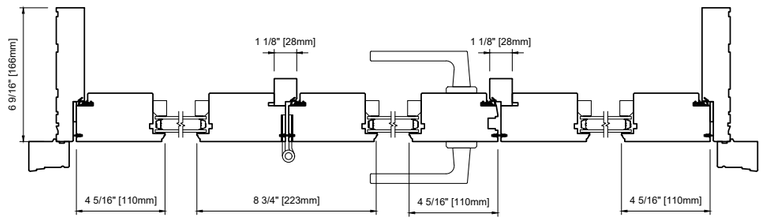
PLAN VIEW



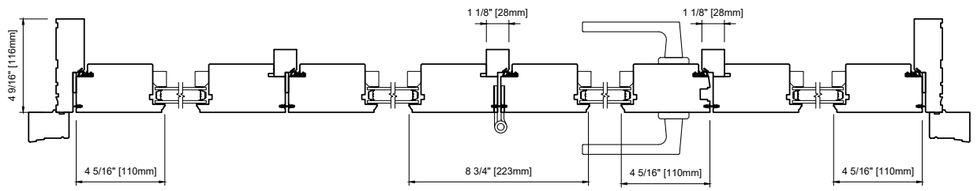
METAL CLAD DOUBLE
3 WIDE



METAL CLAD DOUBLE
4 WIDE



WOOD EXTERIOR DOUBLE
3 WIDE
2 BRICKMOULD, SQUARE STOP



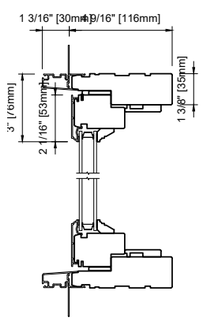
WOOD EXTERIOR DOUBLE
4 WIDE
2 BRICKMOULD, SQUARE STOP

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") TD**

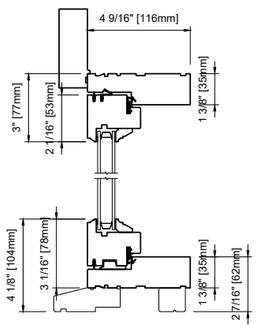
Drawings

Outswing Transom

HEAD & SILL

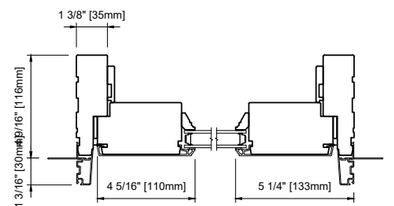


METAL CLAD DOUBLE
2 1/16" (53mm) RAILS

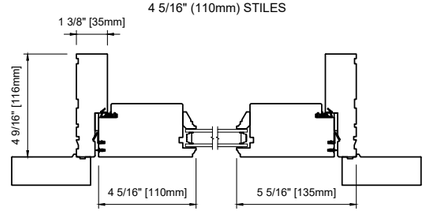


WOOD EXTERIOR DOUBLE
2 1/16" (53mm) RAILS

PLAN VIEW

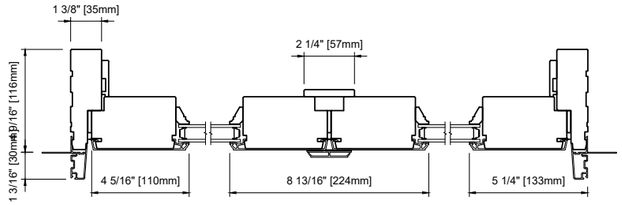


METAL CLAD DOUBLE
4 5/16" (110mm) STILES

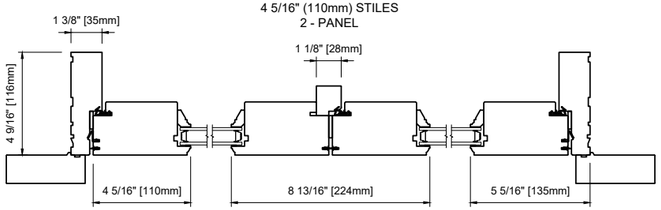


WOOD EXTERIOR DOUBLE
4 5/16" (110mm) STILES

PLAN VIEW



METAL CLAD DOUBLE
4 5/16" (110mm) STILES
2 - PANEL



WOOD EXTERIOR DOUBLE
4 5/16" (110mm) STILES
2 - PANEL

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") FD**

Size Charts

FD2 Metal-Clad

Width

Rough Opening Inswing with Jamb Extension					61 9/16" [1564]	68 1/8" [1730]	73 3/8" [1864]	81 1/4" [2064]
	Rough Opening				60 15/16" [1548]	67 1/2" [1714]	72 3/4" [1848]	80 5/8" [2048]
		Frame			60 3/16" [1529]	66 3/4" [1695]	72" [1829]	79 7/8" [2029]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	38 7/16" [976]
				Visible Glass	22 11/16" [576]	25 15/16" [659]	28 9/16" [726]	32 1/2" [826]
					TRANSOM			
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT2 1504	*FDT2 1604	*FDT2 1804	*FDT2 2004
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT2 1506	*FDT2 1606	*FDT2 1806	*FDT2 2006
					DOOR			
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	FD2 1520	FD2 1620	FD2 1820	FD2 2020
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	FD2 1521	FD2 1621	FD2 1821	FD2 2021
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	FD2 1570	FD2 1670	FD2 1870	FD2 2070
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	FD2 1524	FD2 1624	FD2 1824	FD2 2024
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	FD2 1580	FD2 1680	FD2 1880	
99 15/16" [2538	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	88 3/8" [2244]	FD2 1525	FD2 1625	FD2 1825	
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	FD2 1527	FD2 1627	FD2 1827	

Height

* Transom units

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") FD**

Size Charts

FD2 Non-Clad

Width

Rough Opening				60 15/16" [1548]	67 1/2" [1714]	75 13/16" [1926]	80 5/8" [2048]
	Frame			60 3/16" [1529]	66 3/4" [1695]	75 1/16" [1907]	79 7/8" [2029]
		Panel		28 9/16" [725]	31 13/16" [808]	36" [914]	38 3/8" [975]
			Visible Glass	22 5/86" [575]	25 7/8" [658]	30 1/16" [764]	32 1/2" [825]
				TRANSOM			
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT2 1504	*FDT2 1604	*FDT2 1804	*FDT2 2004
24 3/8" [619]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT2 1506	*FDT2 1606	*FDT2 1806	*FDT2 2006
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*FDT2 1508	*FDT2 1608	*FDT2 1808	*FDT2 2008
				DOOR			
80 1/8" [2035]	79 1/2" [2020]	77" [1956]	69 3/4" [1771]	FD2 1520	FD2 1620	FD2 1820	FD2 2020
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	71 1/2" [1816]	FD2 1521	FD2 1621	FD2 1821	FD2 2021
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	76 3/16" [1935]	FD2 1570	FD2 1670	FD2 1870	FD2 2070
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	84 11/16" [2151]	FD2 1524	FD2 1624	FD2 1824	FD2 2024
98" [2489]	97 3/8" [2474]	94 7/8" [2410]	87 5/8" [2225]	FD2 1580	FD2 1680	FD2 1880	FD2 2080
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452]	89 1/4" [2267]	FD2 1525	FD2 1625	FD2 1825	FD2 2025
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	96 1/2" [2451]	FD2 1527	FD2 1627	FD2 1827	FD2 2027
124" [3150]	123 7/16" [3135]	120 7/8" [3071]	113 5/8" [2886]	FD2 1532	FD2 1632	FD2 1832	FD2 2032

Height

* Transom units

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") FD**

Size Charts

FD3 Metal-Clad

Width

Rough Opening Inswing with Jamb Extension					90 3/16" [2290]	100" [2539]	107 7/8" [2740]
	Rough Opening				89 1/2" [2274]	99 5/16" [2523]	107 1/4" [2724]
		Frame			88 3/4" [2255]	98 9/16" [2504]	106 1/2" [2705]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]
				Visible Glass	22 11/16" [576]	25 15/16" [659]	28 9/16" [726]
					TRANSOM		
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT3 2204	*FDT3 2404	*FDT3 2704
24 1/2" [622	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT3 2206	*FDT3 2406	*FDT3 2706
					DOOR		
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	FD3 2220	FD3 2420	FD3 2720
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	FD3 2221	FD3 2421	FD3 2721
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	FD3 2270	FD3 2470	FD3 2770
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	FD3 2224	FD3 2424	FD3 2724
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	FD3 2280	FD3 2480	FD3 2780
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	88 3/8" [2244]	FD3 2225	FD3 2425	FD3 2725
107 3/16" [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	FD3 2227	FD3 2427	FD3 2727

Height

* Transom units

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") FD**

Size Charts

FD3 Non-Clad

Width

Rough Opening				99 5/16" [2523]	111 15/16" [2844]
	Frame			98 9/16" [2504]	111 4/4" [2825]
		Panel		31 3/4" [807]	36" [914]
			Visible Glass	25 7/8" [657]	30 1/16" [764]
				TRANSOM	
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT3 2404	*FDT3 2704
24 3/8" [619]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT3 2406	*FDT3 2706
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*FDT3 2408	*FDT3 2708
				DOOR	
80 1/8" [2035]	79 1/2" [2020]	77" [1956]	69 3/4" [1771]	FD3 2420	FD3 2720
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	71 1/2" [1816]	FD3 2421	FD3 2721
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	76 3/16" [1935]	FD3 2470	FD3 2770
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	84 11/16" [2151]	FD3 2424	FD3 2724
98" [2489]	97 3/8" [2474]	94 7/8" [2410]	87 5/8" [2225]	FD3 2480	FD3 2780
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452]	89 1/4" [2267]	FD3 2425	FD3 2725
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	96 1/2" [2451]	FD3 2427	

Height

* Transom units

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") FD**

Size Charts

FD4 Metal-Clad

Width

Rough Opening Inswing with Jamb Extension					118 3/4" [3016]	131 13/16" [3348]	142 3/8" [3616]	158 1/8" [4016]
	Rough Opening				118 1/8" [3000]	131 3/16" [3332]	141 3/4" [3600]	157 1/2" [4000]
		Frame			117 3/8" [2981]	130 7/16" [3313]	141" [3581]	156 3/4" [3981]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	38 7/16" [976]
				Visible Glass	22 11/16" [576]	25 15/16" [659]	28 9/16" [726]	32 1/2" [826]
					TRANSOM			
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT4 3004	*FDT4 3304	*FDT4 3604	*FDT4 4004
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT4 3006	*FDT4 3306	*FDT4 3606	*FDT4 4006
					DOOR			
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	68 13/16" [1748]	FD4 3020	FD4 3320	FD4 3620	FD4 4020
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	70 9/16" [1793]	FD4 3021	FD4 3321	FD4 3621	FD4 4021
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	75 1/4" [1912]	FD4 3070	FD4 3370	FD4 3670	FD4 4070
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	83 3/4" [2128]	FD4 3024	FD4 3324	FD4 3624	FD4 4024
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	86 11/16" [2202]	FD4 3080	FD4 3380	FD4 3680	
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	88 3/8" [2244]	FD4 3025	FD4 3325	FD4 3625	
107 3/16" [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	95 9/16" [2428]	FD4 3027	FD4 3327	FD4 3627	

Height

* Transom units

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") FD**

Size Charts

FD4 Non-Clad

Width

Rough Opening				131 3/16" [3332]	157 1/2" [4000]
	Frame			130 7/16" [3313]	156 3/4" [3981]
		Panel		31 3/4" [806]	38 5/16" [973]
			Visible Glass	25 7/8" [656]	32 7/16" [823]
				TRANSOM	
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT4 3304	*FDT4 4004
24 3/8" [619]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT4 3306	*FDT4 4006
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*FDT4 3308	*FDT4 4008
				DOOR	
80 1/8" [2035]	79 1/2" [2020	77" [1956]	69 3/4" [1771]	FD4 3320	FD4 4020
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	71 1/2" [1816]	FD4 3321	FD4 4021
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	76 3/16" [1935]	FD4 3370	FD4 4070
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	84 11/16" [2151]	FD4 3324	FD4 4024
98" [2489]	97 3/8" [2474]	94 7/8" [2410]	87 5/8" [2225]	FD4 3380	FD4 4080
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452	89 1/4" [2267]	FD4 3325	FD4 4025
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	96 1/2" [2451]	FD4 3327	FD4 4027

Height

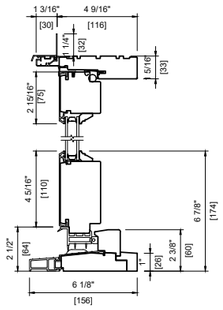
* Transom units

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") FD**

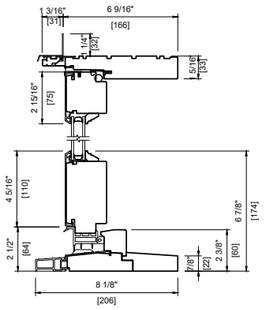
Drawings

Outswing

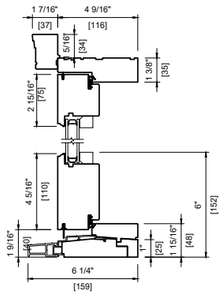
HEAD & SILL DETAILS



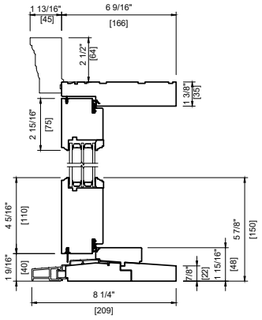
METAL CLAD DOUBLE
4 9/16" (116mm)



METAL CLAD DOUBLE
6 9/16" (166mm) FULL JAMB

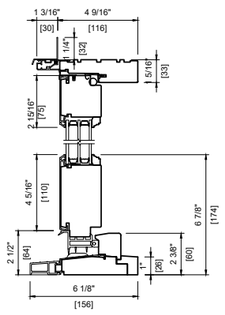


WOOD EXTERIOR DOUBLE
4 9/16" (116mm) 2" BRICKMOULD
SQUARE STOP

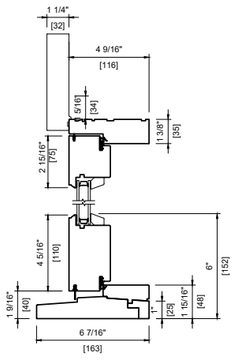


WOOD EXTERIOR TRIPLE
6 9/16" (166mm) FULL JAMB
ADAMS CASING

HEAD & SILL DETAILS

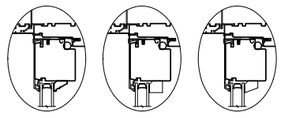


METAL CLAD TRIPLE
4 9/16" (116mm)



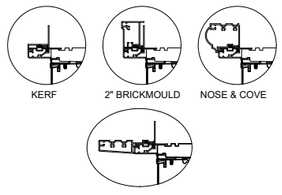
WOOD EXTERIOR DOUBLE
5 ¾" FLAT CASING, PUTTY STOP
WHITE OAK SILL

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

CASING



KERF 2" BRICKMOULD NOSE & COVE

2" CLAD FRAME EXTENSION

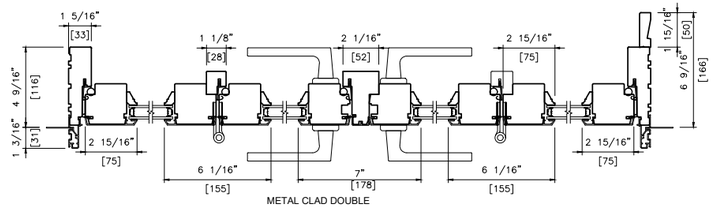
3½" FLAT WILLIAMSBURG ADAMS

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") FD**

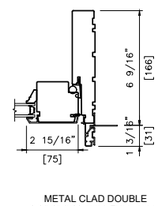
Drawings

Outswing (cont'd)

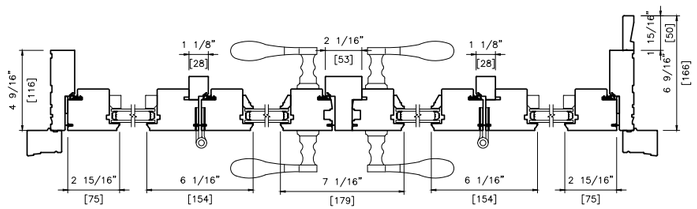
PLAN VIEW



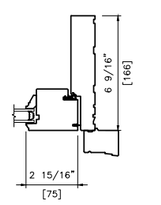
METAL CLAD DOUBLE
FOUR PANEL



METAL CLAD DOUBLE
6 9/16" (166 mm) FULL JAM

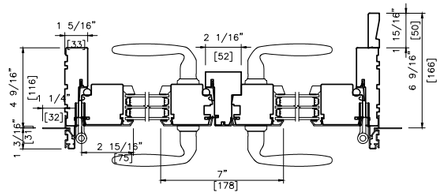


WOOD EXTERIOR DOUBLE
FOUR PANEL 2 BRICKMOULD
SQUARE STOP

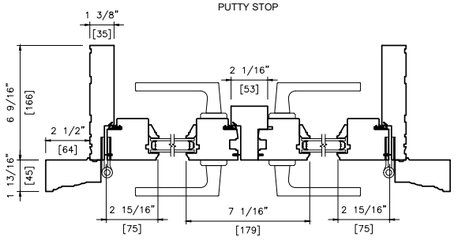


WOOD EXTERIOR DOUBLE
6 9/16" (166 mm) FULL JAMB
2" BRICKMOULD

PLAN VIEW

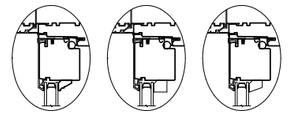


METAL CLAD TRIPLE
TWO PANEL
PUTTY STOP



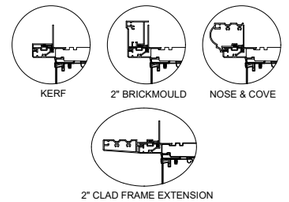
WOOD EXTERIOR DOUBLE
TWO PANEL
ADAMS CASING

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

CASING



KERF 2" BRICKMOULD NOSE & COVE

2" CLAD FRAME EXTENSION

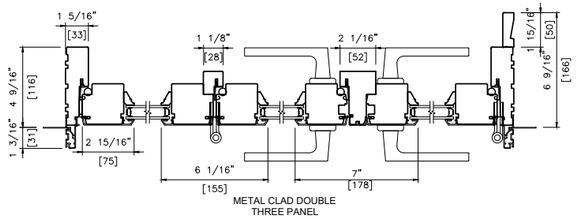
3½" FLAT WILLIAMSBURG ADAMS

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") FD**

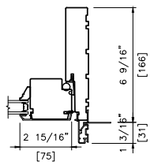
Drawings

Outswing (cont'd)

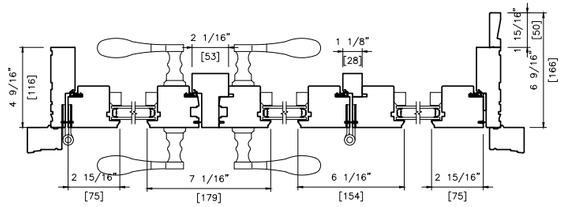
PLAN VIEW



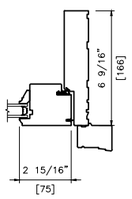
METAL CLAD DOUBLE
THREE PANEL



METAL CLAD DOUBLE
6 9/16" (166 mm) FULL JAMB

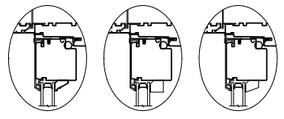


WOOD EXTERIOR DOUBLE
THREE PANEL 2 IN. BRICKMOULD
SQUARE STOP



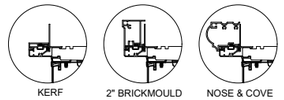
WOOD EXTERIOR DOUBLE
6 9/16" (166 mm) FULL JAMB
2" BRICKMOULD

GLAZING STOP PROFILES

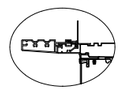


OGEE SQUARE PUTTY

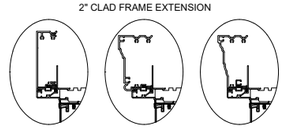
Casing



KERF 2" BRICKMOULD NOSE & COVE



2" CLAD FRAME EXTENSION



3½" FLAT WILI

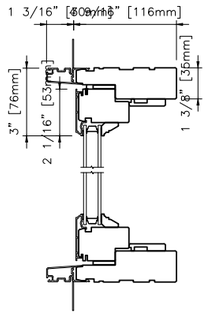
SEE PAGE A22 FOR DIMENSIONS

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") FD**

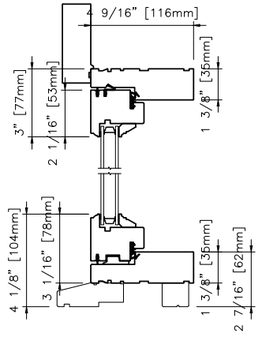
Drawings

Outswing Transom

HEAD & SILL

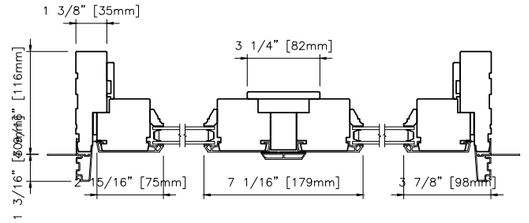


METAL CLAD DOUBLE
2 1/16" (53mm) RAILS

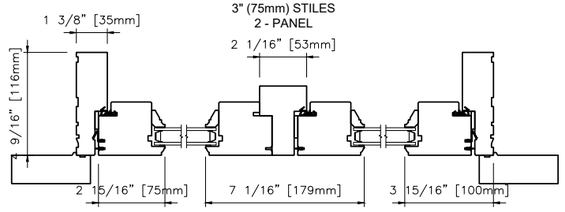


WOOD EXTERIOR DOUBLE
2 1/16" (53mm) RAILS

PLAN VIEW



METAL CLAD DOUBLE
3" (75mm) STILES
2 - PANEL



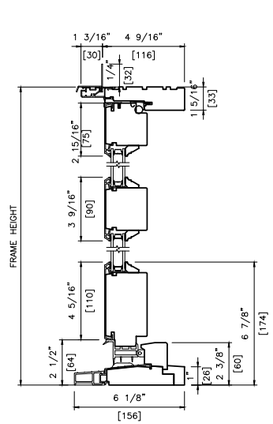
WOOD EXTERIOR DOUBLE
3" (75mm) STILES
2 - PANEL

Swinging Terrace & French Doors -
2.25 Inch - **Narrow Stile (3") FD**

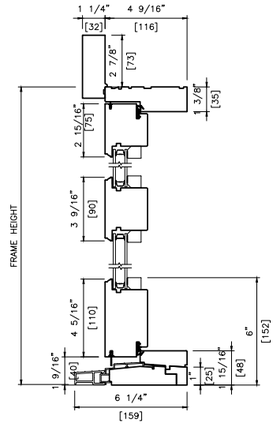
Drawings

Outswing Flat Sill, Mid Rail & Bottom Rail

HEAD & SILL DETAILS
MIDRAIL

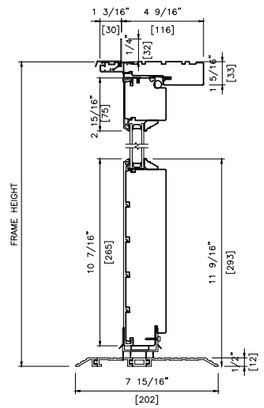


METAL CLAD with MIDRAIL
4 9/16" (116mm)

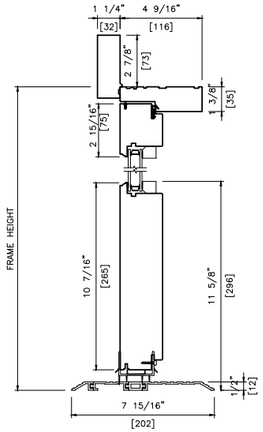


WOOD EXTERIOR with MIDRAIL
4 9/16" (116mm)

HEAD & SILL DETAILS
LOW PROFILE SILL & TALL BOTTOM RAIL



METAL CLAD with
Flat Sill and Tall Bottom Rail
4 9/16" (116mm)



WOOD EXERIOR with
Flat Sill and Tall Bottom Rail
4 9/16" (116mm)

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

Size Charts

FD2 Metal-Clad

Width

Rough Opening Inswing with Jamb Extension					47 7/8" [1216]	61 9/16" [1564]	68 1/8" [1730]	73 3/8" [1864]	81 1/4" [2064]	88 7/16" [2246]
	Rough Opening				47 1/4" [1200]	60 15/16" [1548]	67 1/2" [1714]	72 3/4" [1848]	80 5/8" [2048]	87 13/16" [2230]
		Frame			46 1/2" [1181]	60 3/16" [1529]	66 3/4" [1695]	72" [1829]	79 7/8" [2029]	87 1/16" [2211]
			Panel		21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	38 7/16" [976]	42" [1067]
				Visible Glass	13 1/16" [332]	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	29 3/4" [756]	33 3/8" [847]
					TRANSOM					
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT2 1204	*FDT2 1504	*FDT2 1604	*FDT2 1804	*FDT2 2004	*FDT2 2204
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT2 1206	*FDT2 1506	*FDT2 1606	*FDT2 1806	*FDT2 2006	*FDT2 2206
					DOOR					
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	FD2 1220	FD2 1520	FD2 1620	FD2 1820	FD2 2020	FD2 2220
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	FD2 1221	FD2 1521	FD2 1621	FD2 1821	FD2 2021	FD2 2221
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	FD2 1270	FD2 1570	FD2 1670	FD2 1870	FD2 2070	FD2 2270
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	FD2 1224	FD2 1524	FD2 1624	FD2 1824	FD2 2024	FD2 2224
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD2 128	FD2 1580	FD2 1680	FD2 1880	FD2 2080	FD2 2280
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	FD2 1225	FD2 1525	FD2 1625	FD2 1825	FD2 2025	FD2 2225
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	FD2 1227	FD2 1527	FD2 1627	FD2 1827		

Height

* Transom units

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

Size Charts

FD2 Non-Clad

Width

Rough Opening				47 1/4" [1200]	60 15/16" [1548]	67 1/2" [1714]	75 13/16" [1926]	80 5/8" [2048]	87 13/16" [2230]
	Frame			46 1/2" [1181]	60 3/16" [1529]	66 3/4" [1695]	75 1/16" [1907]	79 7/8" [2029]	87 1/16" [2211]
		Panel		21 11/16" [551]	28 9/16" [725]	31 13/16" [808]	36" [914]	38 3/8" [975]	41 15/16" [1066]
			Visible Glass	13 1/16" [331]	19 7/8" [505]	23 1/8" [588]	27 5/16" [694]	29 3/4" [755]	33 5/16" [846]
				TRANSOM					
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT2 1204	*FDT2 1504	*FDT2 1604	*FDT2 1804	*FDT2 2004	*FDT2 2204
24 3/8" [619]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT2 1206	*FDT2 1506	*FDT2 1606	*FDT2 1806	*FDT2 2006	*FDT2 2206
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*FDT2 1208	*FDT2 1508	*FDT2 1608	*FDT2 1808	*FDT2 2008	*FDT2 2208
				DOOR					
80 1/8" [2035]	79 1/2" [2020]	77" [1956]	64 13/16" [1646]	FD2 1220	FD2 1520	FD2 1620	FD2 1820	FD2 2020	FD2 2220
81 7/8" [2080]	81 5/16" [2065]	78 3/4" [2001]	66 9/16" [1691]	FD2 1221	FD2 1521	FD2 1621	FD2 1821	FD2 2021	FD2 2221
86 9/16" [2199]	86" [2184]	83 7/16" [2120]	71 4/4" [1810]	FD2 1270	FD2 1570	FD2 1670	FD2 1870	FD2 2070	FD2 2270
95 1/16" [2415]	94 1/2" [2400]	91 15/16" [2336]	79 3/4" [2026]	FD2 1224	FD2 1524	FD2 1624	FD2 1824	FD2 2024	FD2 2224
98" [2489]	97 3/8" [2474]	94 57/8" [2410]	82 11/16" [2100]	FD2 128	FD2 1580	FD2 1680	FD2 1880	FD2 2080	FD2 2280
99 5/8" [2531]	99 1/16" [2516]	96 9/16" [2452]	84 5/16" [2142]	FD2 1225	FD2 1525	FD2 1625	FD2 1825	FD2 2025	FD2 2225
106 7/8" [2715]	106 5/16" [2700]	103 3/4" [2636]	91 9/16" [2326]	FD2 1227	FD2 1527	FD2 1627	FD2 1827	FD2 2027	FD2 2227
124" [3150]	123 7/16" [3135]	120 7/8" [3071]	108 11/16" [2761]	FD2 1232	FD2 1532	FD2 1632	FD2 1832	FD2 2032	FD2 2232

Height

* Transom units

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

Size Charts

FD3 Metal-Clad

Width

Rough Opening Inswing with Jamb Extension					90 3/16" [2290]	100" [2539]	107 7/8" [2740]
	Rough Opening				89 1/2" [2274]	99 5/16" [2523]	107 1/4" [2724]
		Frame			88 3/4" [2255]	98 9/16" [2504]	106 1/2" [2705]
			Panel		28 9/16" [726]	31 7/8" [809]	34 1/2" [876]
				Visible Glass	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]
					TRANSOM		
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT3 2204	*FDT3 2404	*FDT3 2704
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT3 2206	*FDT3 2406	*FDT3 2706
					DOOR		
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	FD3 2220	FD3 2420	FD3 2720
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	FD3 2221	FD3 2421	FD3 1821
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	FD3 2270	FD3 2470	FD3 2770
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	FD3 2224	FD3 2424	FD3 2724
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD3 2280	FD3 2480	FD3 2780
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	FD3 2225	FD3 2425	FD3 2725
107 3/16" [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	FD3 2227	FD3 2427	FD3 2727

Height

* Transom units

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

Size Charts

FD3 Non-Clad

Width

Rough Opening				89 1/2" [2274]	99 5/16" [2523]	111 15/16" [2844]
	Frame			88 3/4" [2255]	98 9/16" [2504]	111 1/4" [2825]
		Panel		28 1/2" [724]	31 3/4" [807]	36" [914]
			Visible Glass	19 13/16" [504]	23 1/86" [587]	27 5/16" [694]
				TRANSOM		
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT3 2204	*FDT3 2404	*FDT3 2704
24 3/8" [619]	23 5/8" [600]	21 3/4" [552	17 9/16" [446]	*FDT3 2206	*FDT3 2406	*FDT3 2706
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*FDT3 2208	*FDT3 2408	*FDT3 2708
				DOOR		
80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	FD3 2220	FD3 2420	FD3 2720
81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	FD3 2221	FD3 2421	FD3 1821
86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	FD3 2270	FD3 2470	FD3 2770
95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	FD3 2224	FD3 2424	FD3 2724
98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD3 2280	FD3 2480	FD3 2780
99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	FD3 2225	FD3 2425	FD3 2725
106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	FD3 2227	FD3 2427	FD3 2727
124" [3150]	123 7/16" [3135]	120 7/8" [3071]	108 11/16" [2761]	FD3 2232	FD3 432	FD3 2732

Height

* Transom units

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

Size Charts

FD4 Metal-Clad

Width

Rough Opening Inswing with Jamb Extension					91 5/16" [2320]	118 3/4" [3016]	131 13/16" [3348]	142 3/8" [3616]	158 1/8" [4016]	172 7/16" [4380]
	Rough Opening				90 11/16" [2304]	118 1/8" [3000]	131 3/16" [3332]	141 3/4" [3600]	157 1/2" [4000]	171 13/16" [4364]
		Frame			89 15/16" [2285]	117 3/8" [2981]	130 7/16" [3313]	141" [3581]	156 3/4" [3981]	171 1/16" [4345]
			Panel		21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	38 7/16" [976]	42" [1067]
				Visible Glass	13 1/16" [332]	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	29 3/4" [756]	33 3/8" [847]
					TRANSOM					
16 5/8" [422]	16 5/16" [415]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT4 2304	*FDT4 3004	*FDT4 3304	*FDT4 3604	*FDT4 4004	*FDT4 4304
24 1/2" [622]	24 3/16" [615]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT4 2306	*FDT4 3006	*FDT4 3306	*FDT4 3606	*FDT4 4006	*FDT4 4306
					DOOR					
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	FD4 2320	FD4 3020	FD4 3320	FD4 3620	FD4 4020	FD4 4320
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	FD4 2321	FD4 3021	FD4 3321	FD4 3621	FD4 4021	FD4 4321
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	FD4 2370	FD4 3070	FD4 3370	FD4 3670	FD4 4070	FD4 4370
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	FD4 2324	FD4 3024	FD4 3324	FD4 3624	FD4 4024	FD4 4324
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD4 2380	FD4 3080	FD4 3380	FD4 3680	FD4 4080	FD4 4380
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	FD4 2325	FD4 3025	FD4 3325	FD4 3625	FD4 4025	FD4 4325
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	FD4 2327	FD4 3027	FD4 3327	FD4 3627		

Height

* Transom units

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

Size Charts

FD4 Non-Clad

Width

Rough Opening	Frame	Panel	Visible Glass	118 1/8" [3000]	131 3/16" [3332]	148 1/8" [3762]	157 1/2" [4000]	171 13/16" [4364]
				117 3/8" [2981]	130 7/16" [3313]	147 3/8" [3743]	156 3/4" [3981]	171 1/16" [4345]
				28 1/2" [723]	31 3/4" [806]	36" [914]	38 5/16" [973]	41 15/16" [1064]
				19 13/16" [503]	23 1/16" [586]	27 5/16" [694]	29 11/16" [753]	33 1/4" [844]
				TRANSOM				
16 1/2" [419]	15 3/4" [400]	13 7/8" [352]	9 11/16" [246]	*FDT4 3004	*FDT4 3304	*FDT4 3604	*FDT4 4004	*FDT4 4304
24 3/8" [619]	23 5/8" [600]	21 3/4" [552]	17 9/16" [446]	*FDT4 3006	*FDT4 3306	*FDT4 3606	*FDT4 4006	*FDT4 4306
32 1/4" [819]	31 1/2" [800]	29 9/16" [751]	25 3/8" [645]	*FDT4 3008	*FDT4 3308	*FDT4 3608	*FDT4 4008	*FDT4 4308
				DOOR				
80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 7/8" [1623]	FD4 3020	FD4 3320	FD4 3620	FD4 4020	FD4 4320
81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 11/16" [1668]	FD4 3021	FD4 3321	FD4 3621	FD4 4021	FD4 4321
86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/8" [1787]	FD4 3070	FD4 3370	FD4 3670	FD4 4070	FD4 4370
95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 7/8" [2003]	FD4 3024	FD4 3324	FD4 3624	FD4 4024	FD4 4324
98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD4 3080	FD4 3380	FD4 3680	FD4 4080	FD4 4380
99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 7/16" [2119]	FD4 3025	FD4 3325	FD4 3625	FD4 4025	FD4 4325
106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 11/16" [2303]	FD4 3027	FD4 3327	FD4 3627	FD4 4027	FD4 4327
124" [3150]	123 7/16" [3135]	120 7/8" [3071]	108 11/16" [2761]	FD4 3032	FD4 3332	FD4 3632	FD4 4032	FD4 4332

Height

* Transom units

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

Size Charts

Cambertop FD2 Metal-Clad

Width

Rough Opening Inswing with Jamb Extension	Rough Opening	Frame	Panel	Visible Glass	47 7/8" [1216]	61 9/16" [1564]	68 1/8" [1730]	73 3/8" [1864]	81 1/4" [2064]	88 7/16" [2246]
					47 1/4" [1200]	60 15/16" [1548]	67 1/2" [1714]	72 3/4" [1848]	80 5/8" [2048]	87 13/16" [2230]
					46 1/2" [1181]	60 3/16" [1529]	66 3/4" [1695]	72" [1829]	79 7/8" [2029]	87 1/16" [2211]
					21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	38 7/16" [976]	42" [1067]
					13 1/16" [332]	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	29 3/4" [756]	33 3/8" [847]
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 3/4" [1619]	FD2 1220	FD2 1520	FD2 1620	FD2 1820	FD2 2020	FD2 2220
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 1/2" [1664]	FD2 1221	FD2 1521	FD2 1621	FD2 1821	FD2 2021	FD2 2221
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/16" [1783]	FD2 1270	FD2 1570	FD2 1670	FD2 1870	FD2 2070	FD2 2270
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 3/4" [1999]	FD2 1224	FD2 1524	FD2 1624	FD2 1824	FD2 2024	FD2 2224
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD2 1280	FD2 1580	FD2 1680	FD2 1880	FD2 2080	FD2 2280
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 5/16" [2115]	FD2 1225	FD2 1525	FD2 1625	FD2 1825		
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 1/2" [2299]	FD2 1227	FD2 1527	FD2 1627	FD2 1827		

Height

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

Size Charts

Cambertop FD2 Non-Clad

Width

Rough Opening	Frame	Panel	Visible Glass	47 1/4" [1200]	60 15/16" [1548]	67 1/2" [1714]	72 3/4" [1848]	80 5/8" [2048]	87 13/16" [2230]
				46 1/2" [1181]	60 3/16" [1529]	66 3/4" [1695]	72" [1829]	79 7/8" [2029]	87 1/16" [2211]
				21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	38 7/16" [976]	42" [1067]
				13 1/16" [332]	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	29 3/4" [756]	33 3/8" [847]
80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 3/4" [1619]	FD2 1220	FD2 1520	FD2 1620	FD2 1820	FD2 2020	FD2 2220
81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 1/2" [1664]	FD2 1221	FD2 1521	FD2 1621	FD2 1821	FD2 2021	FD2 2221
86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/16" [1783]	FD2 1270	FD2 1570	FD2 1670	FD2 1870	FD2 2070	FD2 2270
95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 3/4" [1999]	FD2 1224	FD2 1524	FD2 1624	FD2 1824	FD2 2024	FD2 2224
98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD2 1280	FD2 1580	FD2 1680	FD2 1880	FD2 2080	FD2 2280
99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 5/16" [2115]	FD2 1225	FD2 1525	FD2 1625	FD2 1825		
106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 1/2" [2299]	FD2 1227	FD2 1527	FD2 1627	FD2 1827		

Height

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

Size Charts

Cambertop FD4 Metal-Clad

Width

Rough Opening Inswing with Jamb Extension	Rough Opening	Frame	Panel	Visible Glass	91 5/16" [2320]	118 3/4" [3016]	131 13/16" [3348]	142 3/8" [3616]	158 1/8" [4016]	172 7/16" [4380]
					90 11/16" [2304]	118 1/8" [3000]	131 3/16" [3332]	141 3/4" [3600]	157 1/2" [4000]	171 13/16" [4364]
					89 15/16" [2285]	117 3/8" [2981]	130 7/16" [3313]	141" [3581]	156 3/4" [3981]	171 1/16" [4345]
					21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	38 7/16" [976]	42" [1067]
					13 1/16" [332]	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	29 3/4" [756]	33 3/8" [847]
80 3/8" [2042]	80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 3/4" [1619]	FD4 2320	FD4 3020	FD4 3320	FD4 3620	FD4 4020	FD4 4320
82 3/16" [2087]	81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 1/2" [1664]	FD4 2321	FD4 3021	FD4 3321	FD4 3621	FD4 4021	FD4 4321
86 7/8" [2206]	86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/16" [1783]	FD4 2370	FD4 3070	FD4 3370	FD4 3670	FD4 4070	FD4 4370
95 3/8" [2422]	95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 3/4" [1999]	FD4 2324	FD4 3024	FD4 3324	FD4 3624	FD4 4024	FD4 4324
98 1/4" [2496]	98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD4 2380	FD4 3080	FD4 3380	FD4 3680	FD4 4080	FD4 4380
99 15/16" [2538]	99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 5/16" [2115]	FD4 2325	FD4 3025	FD4 3325	FD4 3625		
107 3/16 [2722]	106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 1/2" [2299]	FD4 2327	FD4 3027	FD4 3327	FD4 3627		

Height

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

Size Charts

Cambertop FD4 Non-Clad

Width

Rough Opening				90 11/16" [2304]	118 1/8" [3000]	131 3/16" [3332]	141 3/4" [3600]	157 1/2" [4000]	171 13/16" [4364]
	Frame			89 15/16" [2285]	117 3/8" [2981]	130 7/16" [3313]	141" [3581]	156 3/4" [3981]	171 1/16" [4345]
		Panel		21 3/4" [552]	28 9/16" [726]	31 7/8" [809]	34 1/2" [876]	38 7/16" [976]	42" [1067]
			Visible Glass	13 1/16" [332]	19 15/16" [506]	23 3/16" [589]	25 13/16" [656]	29 3/4" [756]	33 3/8" [847]
80 1/8" [2035]	79 1/2" [2020]	76 7/16" [1942]	63 3/4" [1619]	FD4 2320	FD4 3020	FD4 3320	FD4 3620	FD4 4020	FD4 4320
81 7/8" [2080]	81 5/16" [2065]	78 1/4" [1987]	65 1/2" [1664]	FD4 2321	FD4 3021	FD4 3321	FD4 3621	FD4 4021	FD4 4321
86 9/16" [2199]	86" [2184]	82 15/16" [2106]	70 3/16" [1783]	FD4 2370	FD4 3070	FD4 3370	FD4 3670	FD4 4070	FD4 4370
95 1/16" [2415]	94 1/2" [2400]	91 7/16" [2322]	78 3/4" [1999]	FD4 2324	FD4 3024	FD4 3324	FD4 3624	FD4 4024	FD4 4324
98" [2489]	97 3/8" [2474]	94 5/16" [2396]	81 3/4" [2077]	FD4 2380	FD4 3080	FD4 3380	FD4 3680	FD4 4080	FD4 4380
99 5/8" [2531]	99 1/16" [2516]	96" [2438]	83 5/16" [2115]	FD4 2325	FD4 3025	FD4 3325	FD4 3625		
106 7/8" [2715]	106 5/16" [2700]	103 1/4" [2622]	90 1/2" [2299]	FD4 2327	FD4 30027	FD4 3327	FD4 3627		

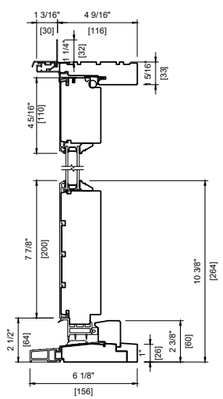
Height

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

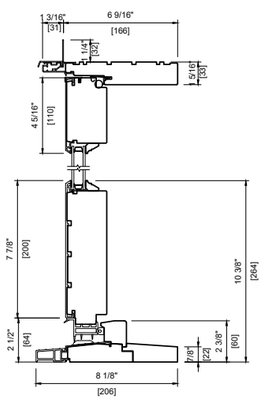
Drawings

Outswing

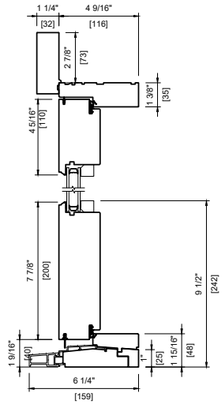
HEAD & SILL DETAILS



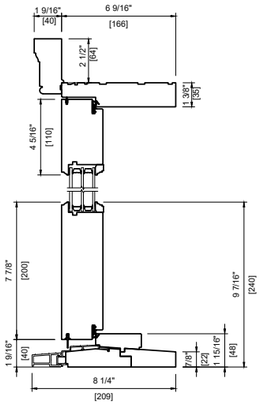
METAL CLAD DOUBLE
4 9/16" (116mm)



METAL CLAD DOUBLE
6 9/16" (166mm) FULL JAMB

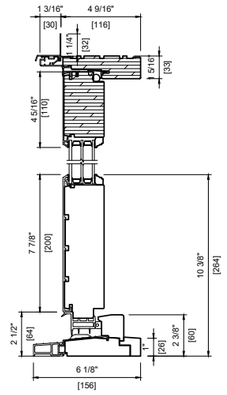


WOOD EXTERIOR DOUBLE
4 9/16" (116mm) 3 ½" FLAT CASING
SQUARE STOP

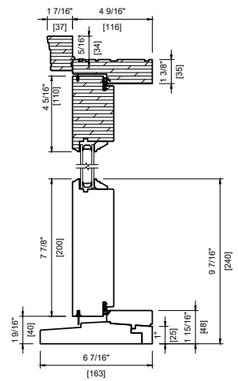


WOOD EXTERIOR TRIPLE
6 9/16" (166mm) FULL JAMB
WILLIAMSBERG CASING

HEAD & SILL DETAILS

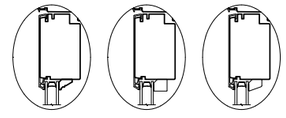


METAL CLAD TRIPLE
CAMBERTOP
4 9/16" (116mm)



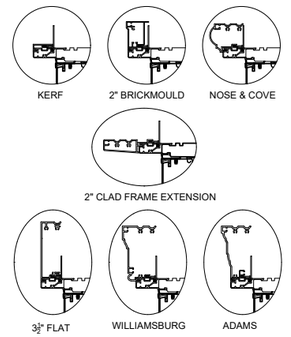
WOOD EXTERIOR DOUBLE
CAMBERTOP 2" BRICKMOULD
WHITE OAK SILL

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

CASING



KERF 2" BRICKMOULD NOSE & COVE

2" CLAD FRAME EXTENSION

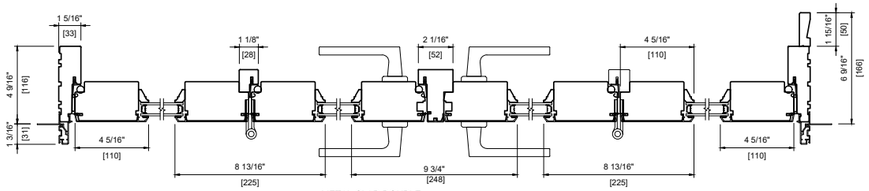
3½" FLAT WILLIAMSBURG ADAMS

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

Drawings

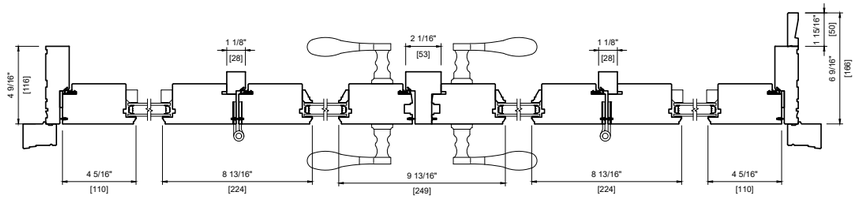
Outswing (cont'd)

PLAN VIEW



METAL CLAD DOUBLE
FOUR PANEL

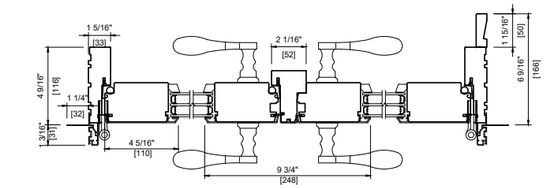
METAL CLAD DOUBLE
6 9/16" (166 mm) FULL JAMB



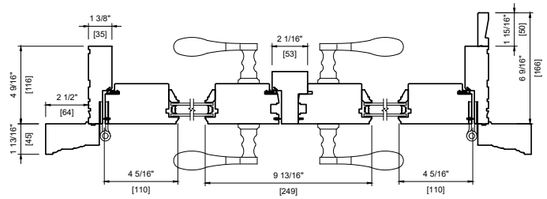
WOOD EXTERIOR DOUBLE
FOUR PANEL 2 BRICKMOULD
SQUARE STOP

WOOD EXTERIOR DOUBLE
6 9/16" (166 mm) FULL JAMB
2" BRICKMOULD

PLAN VIEW

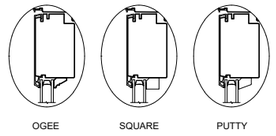


METAL CLAD TRIPLE
TWO PANEL
PUTTY STOP



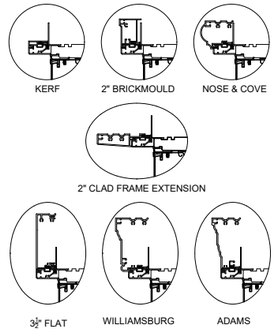
WOOD EXTERIOR DOUBLE
TWO PANEL
ADAMS CASING

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

CASING



KERF 2" BRICKMOULD NOSE & COVE

2" CLAD FRAME EXTENSION

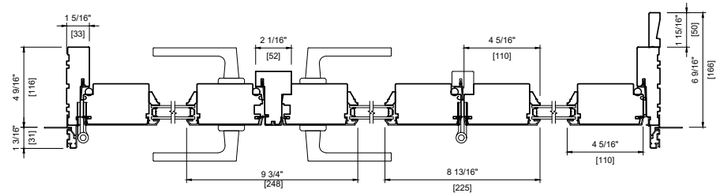
3½" FLAT WILLIAMSBURG ADAMS

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

Drawings

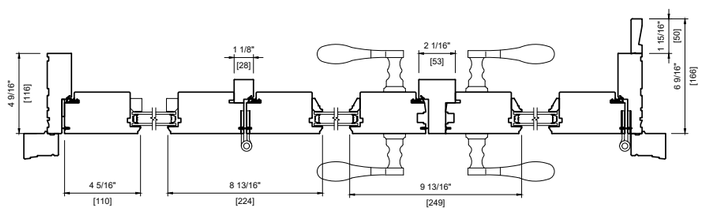
Outswing (cont'd)

PLAN VIEW



METAL CLAD DOUBLE
THREE PANEL

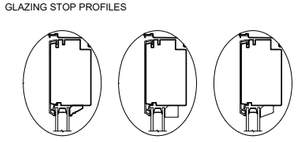
METAL CLAD DOUBLE
6 9/16" (166 mm) FULL JAMB



WOOD EXTERIOR DOUBLE
THREE PANEL 2 IN. BRICKMOULD
SQUARE STOP

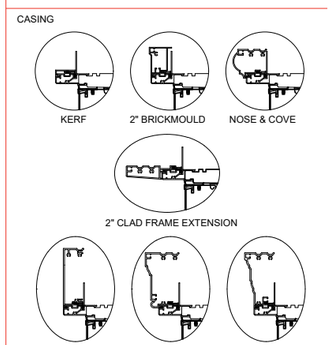
WOOD EXTERIOR DOUBLE
6 9/16" (166 mm) FULL JAMB
2" BRICKMOULD

GLAZING STOP PROFILES



OGEE SQUARE PUTTY

CASING



KERF 2" BRICKMOULD NOSE & COVE

2" CLAD FRAME EXTENSION

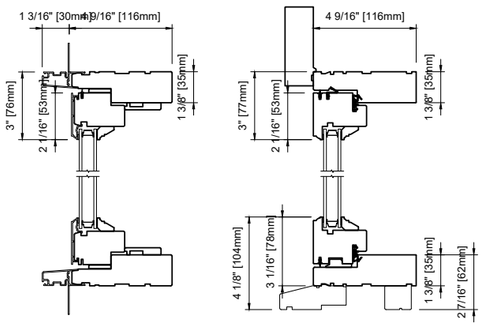
3½" FLAT WILLIAMSBURG ADAMS

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

Drawings

Outswing Transom

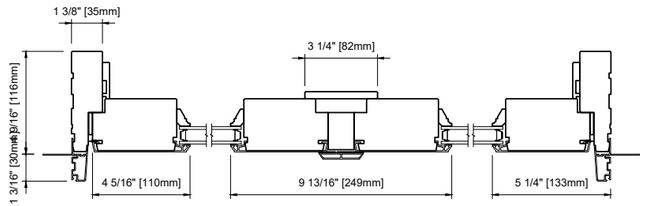
HEAD & SILL



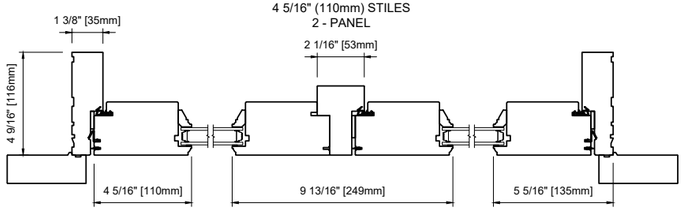
METAL CLAD DOUBLE
2 1/16" (53mm) RAILS

WOOD EXTERIOR DOUBLE
2 1/16" (53mm) RAILS

PLAN VIEW



METAL CLAD DOUBLE
4 5/16" (110mm) STILES
2 - PANEL



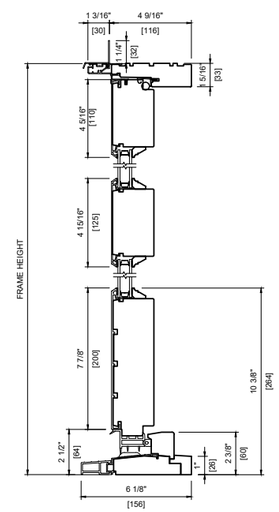
WOOD EXTERIOR DOUBLE
4 5/16" (110mm) STILES
2 - PANEL

Swinging Terrace & French Doors -
2.25 Inch - **Standard Stile (>3") FD**

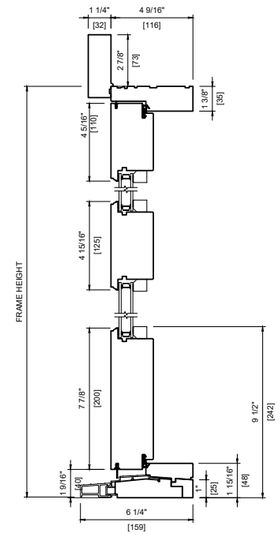
Drawings

Outswing Flat Sill, Mid Rail & Bottom Rail

HEAD & SILL DETAILS
MIDRAIL

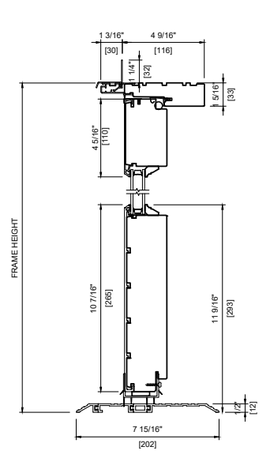


METAL CLAD with MIDRAIL
4 9/16" (116mm)

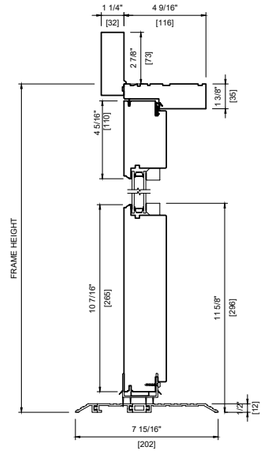


WOOD EXTERIOR with MIDRAIL
4 9/16" (116mm)

HEAD & SILL DETAILS
LOW PROFILE SILL & TALL BOTTOM RAIL



METAL CLAD with
Flat Sill and Tall Bottom Rail
4 9/16" (116mm)



WOOD EXERIOR with
Flat Sill and Tall Bottom Rail
4 9/16" (116mm)