



HISTORIC DISTRICT REVIEW BOARD MEETING AGENDA

Town Council Chambers
765 Lynn Street, Herndon, VA 20170
Wednesday, December 20, 2023 | 7:00 p.m.

1. Call to Order

2. Approval of Minutes

- a. November 1, 2023, Historic District Review Board Work Session Minutes
- b. November 15, 2023, Historic District Review Board Regular Meeting Minutes

3. Comments

- a. Comments from the Board Members
- b. Comments from the Staff Members
- c. Comments from Citizens
Members of the public may, for one 3-minute period, provide public comments, requests, consent or general item comments, and comments on matters not included on the agenda.

4. Public Hearing

- a. **APPLICATION FOR AN ALTERATION, HDRB #23-016**, to consider an application for a Certificate of Appropriateness for the construction of a new accessory structure in the rear yard of the single-family house located at 637 Oak Street, Herndon, Virginia, on the southwest corner of the intersection of Oak Street and Florence Place, and further identified as Fairfax County Tax Map 0162 02 0100C. The property is zoned R-10, Residential Single-Family District and consists of approximately 10,453 square feet of land. Owners: Melanie Adelle Tatum and Jordan Timothy Tatum. Applicant: Sean Ruppert, Opal Design Build.

5. Adjournment



MEMORANDUM

To: Chair Blaker-Glass and Members of the Historic District Review Board

From: Tamsin Himes, Lead Planner / Design and Development 

Date: December 20, 2023

Subject: HDRB #23-016 637 Oak Street, Herndon Virginia

This staff memo is an addendum to the staff report for HDRB #23-016 which was provided to the board prior to the HDRB meeting on December 6th, 2023.

In the previous staff report, staff requested that the applicant provide the following materials in order for the project to be reviewed completely:

- Measured, to-scale elevation drawings of all four sides of the proposed structure.
- Complete manufacturer specifications for all exterior materials and components.
- A document or mass study illustrating the proposed structure in relation to and in the context of the existing contributing structure.

At the December 6th work session, the board expressed support for the proposed structure, discussing the merits of the design and possible alternative design choices that could help it more fully integrate with the existing structure. Notably, the board recommended that the shed dormer windows be altered to have four light divisions instead of two vertical panes, the side gable windows be 6-over-6 to align more appropriately with the architecture of the primary structure, and the roof be metal standing seam instead of asphalt shingle.

Following the work session, the applicant has provided measured, to-scale elevation drawings for all four sides of the proposed structure, the manufacturer's specifications for exterior materials and components, and a mass study of the proposed structure in the context of the existing contributing building.

Staff Analysis

Drawings. Updated drawings from the applicant reflect the board's recommendations regarding window division and roofing material and provide all four sides of the structure in elevation and perspective renderings. This meets the request of staff and adequately describes the proposed structure for a full review.

The Guidelines emphasize the importance of a new accessory structure's placement and scale with relation to an associated contributing structure. The updated materials describe a structure that is subordinate in size and scale and is located to the rear of the primary structure, meeting the Guidelines in that respect.

Materials Specifications. Exterior materials proposed include HardiePlank smooth finish, 7-inch reveal, HardieTrim smooth finish; white steel garage door, eight paneled with vertical garage door windowpanes; Therma-Tru fiberglass pedestrian door with four panels and a transom light above; and a standing seam metal roof, aluminum or 24-gauge steel. Proposed exterior lighting fixtures include black aluminum sconce wall lights, 24" x 8" x 8".

Hardie products have been considered appropriate replacement materials for exterior features on structures within the historic district. The standing seam metal roof has a non-traditional 90-degree standing seam profile. Staff believes that though non-traditional this can be considered to meet the Guidelines as for new construction and given that this is not a primary structure.

Windows. The proposed windows are wood, aluminum-clad windows from Windsor Windows & Doors. Designs, as shown in drawings, include eight 4-pane casement windows and two 6-over-6 double-hung windows. Light divisions are simulated divided lights and feature exterior grills or muntins. Aluminum-clad wood windows have in the past been considered an appropriate alternative material for windows on properties within the historic district.

Staff Recommendation. Staff is recommending approval of this case in accordance with the Draft Resolution attached to this memo.

Attachments:

- 1) Draft Resolution
- 2) Updated Design Documents
- 3) Material Specifications

**TOWN OF HERNDON, VIRGINIA
HISTORIC DISTRICT REVIEW BOARD**

RESOLUTION

DECEMBER 20, 2023

Resolution- to approve HDRB #23-016, for a new accessory structure at 637 Oak Street, Herndon, Virginia, further identified as Fairfax County Tax Map 0162 02 0100C.

THEREFORE, BE IT RESOLVED by the Historic District Review Board of the Town of Herndon, Virginia that:

The Historic District Review Board approves HDRB #23-016, for a new accessory structure at 637 Oak Street, Herndon, Virginia, in substantial conformance with the design shown in the case materials reviewed by the HDRB at the December 20, 2023, Public Hearing meeting.

EXTERIOR SCHEDULE



OPaL
Homes as unique as you are

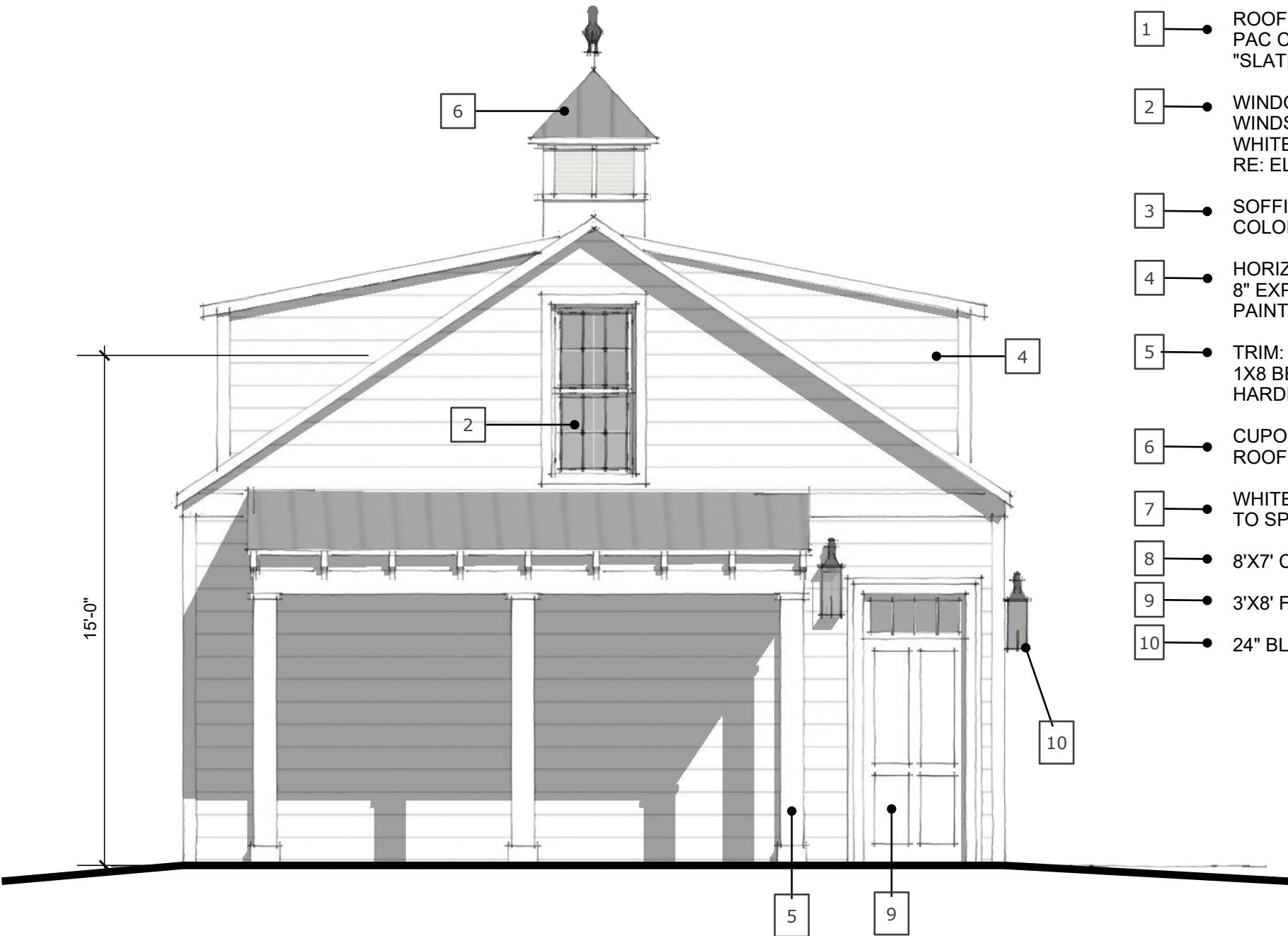
Tatum Residence

637 OAK STREET
HERNDON, VA

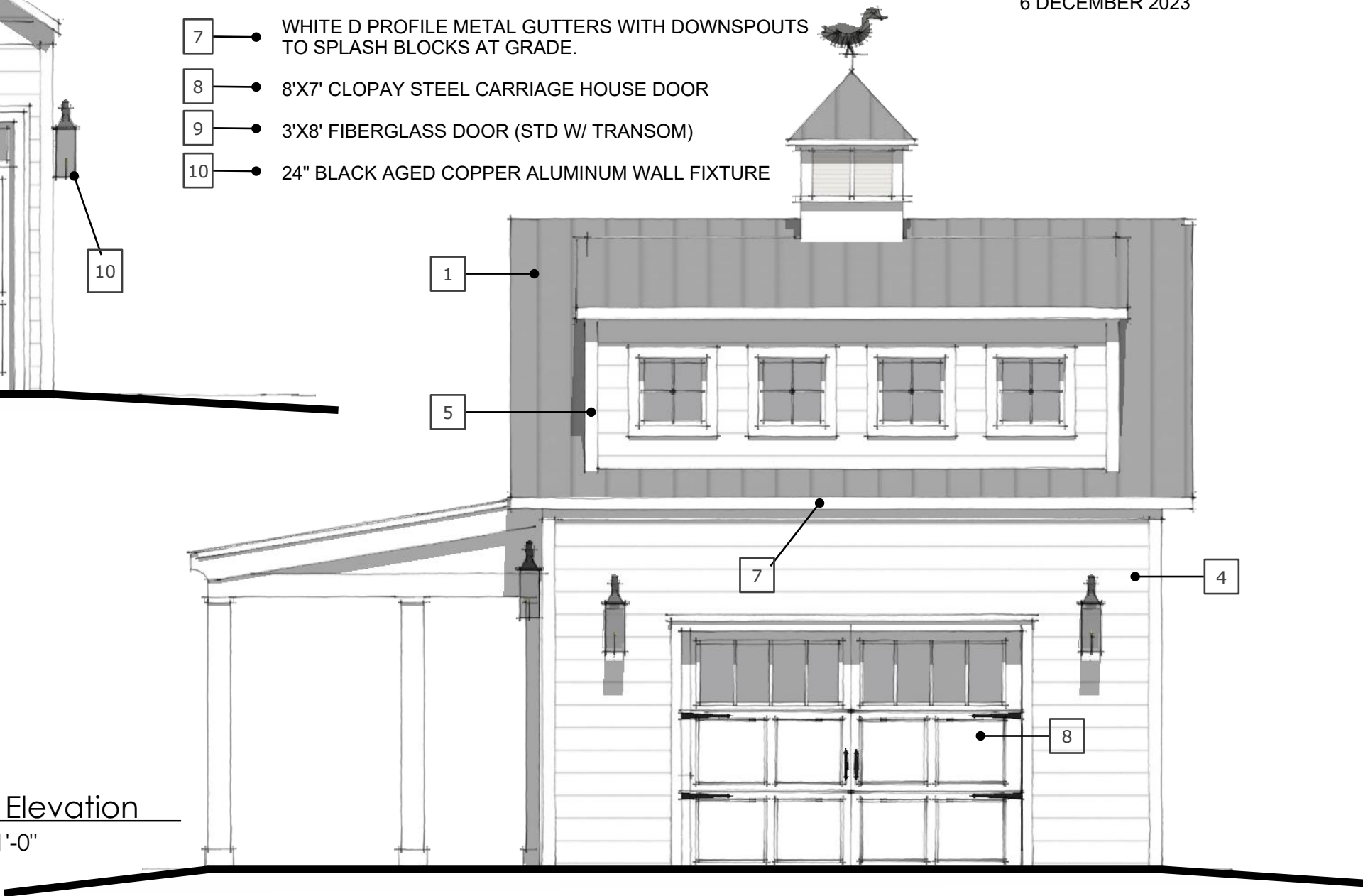
ACCESSORY STRUCTURE

6 DECEMBER 2023

- 1 ROOF:
PAC CLAD STANDING SEAM METAL ROOF
"SLATE GREY"
- 2 WINDOWS AND DOORS:
WINDSOR WINDOW, PINNACLE CLAD WINDOWS
WHITE W/ SDL EXTERNAL MUNTINS
RE: ELEVATIONS FOR MUNTIN PATTERN
- 3 SOFFIT: VENTED CFB,
COLOR TO MATCH TRIM
- 4 HORIZONTAL SIDING: CFB SMOOTH LAP SIDING
8" EXPOSURE
PAINTED SW7004 SNOW BOUND.
- 5 TRIM: 1X4 TRIM AT WINDOWS AND CORNERS
1X8 BELT BAND AND COLUMN WRAP.
HARDI COMPOSITE PTD WHITE.
- 6 CUPOLA WITH BLACK METAL WEATHERVANE
ROOF TO MATCH, TRIMMED AND PAINTED WHITE
- 7 WHITE D PROFILE METAL GUTTERS WITH DOWNSPOUTS
TO SPLASH BLOCKS AT GRADE.
- 8 8'X7' CLOPAY STEEL CARRIAGE HOUSE DOOR
- 9 3'X8' FIBERGLASS DOOR (STD W/ TRANSOM)
- 10 24" BLACK AGED COPPER ALUMINUM WALL FIXTURE



2 Side Elevation (yard)
1/4" = 1'-0"



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



OPaL
Homes as unique as you are

Tatum Residence

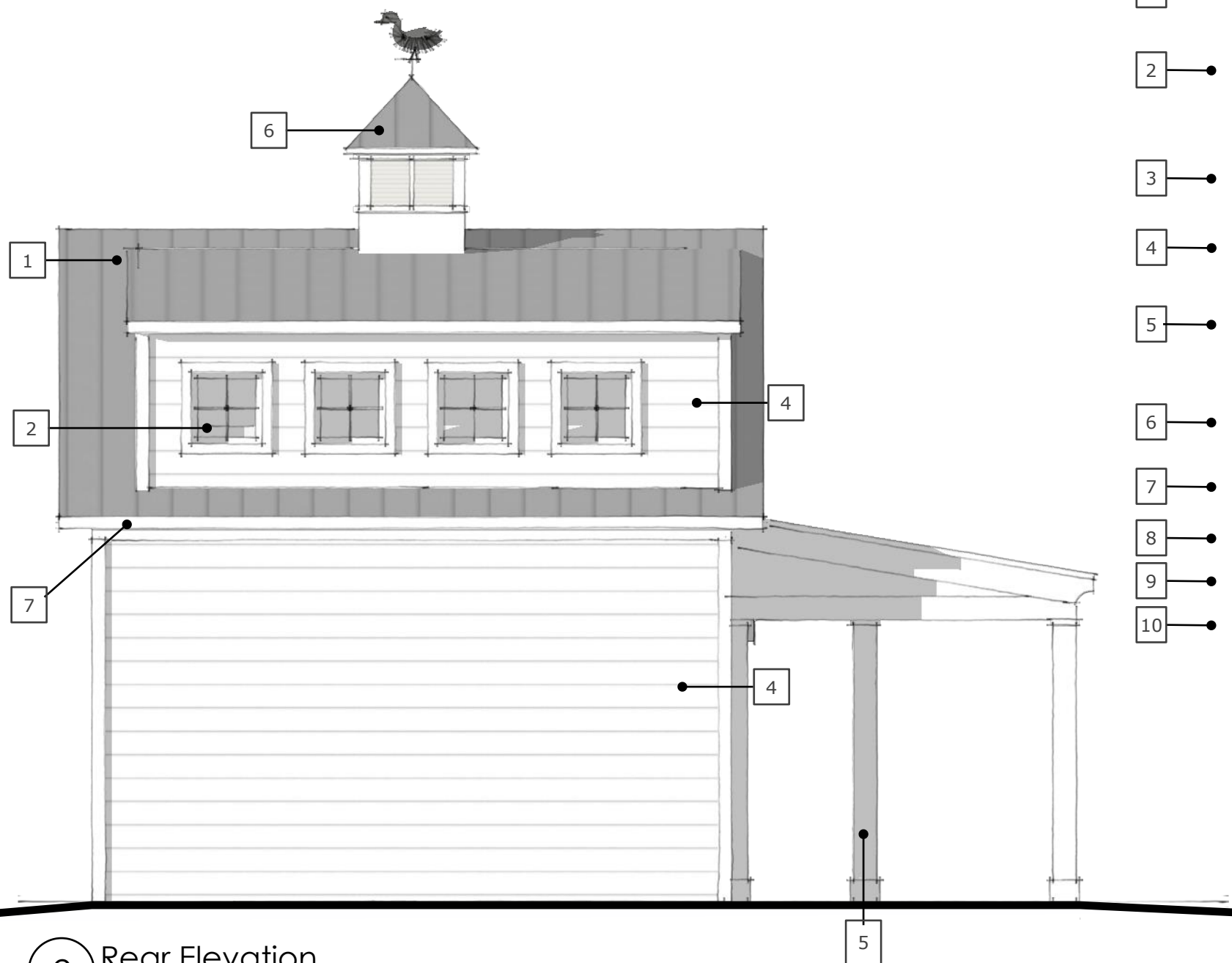
637 OAK STREET
HERNDON, VA

ACCESSORY STRUCTURE

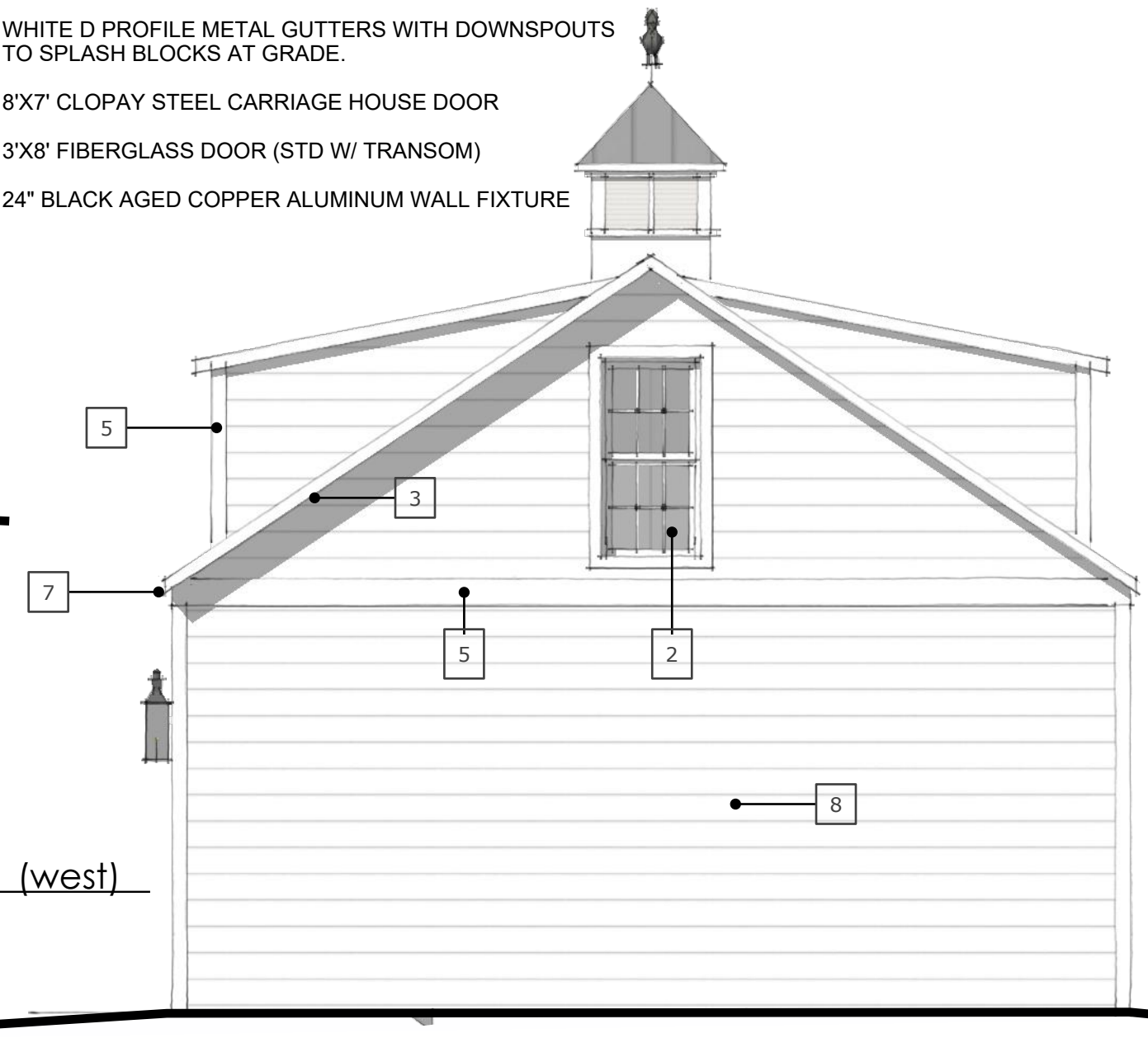
6 DECEMBER 2023

EXTERIOR SCHEDULE

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"SLATE GREY"
- 2 — WINDOWS AND DOORS:
WINDSOR WINDOW, PINNACLE CLAD WINDOWS
WHITE W/ SDL EXTERNAL MUNTINS
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- 10 — 24" BLACK AGED COPPER ALUMINUM WALL FIXTURE



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



1 Side Elevation (west)
1/4" = 1'-0"



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Tatum Residence

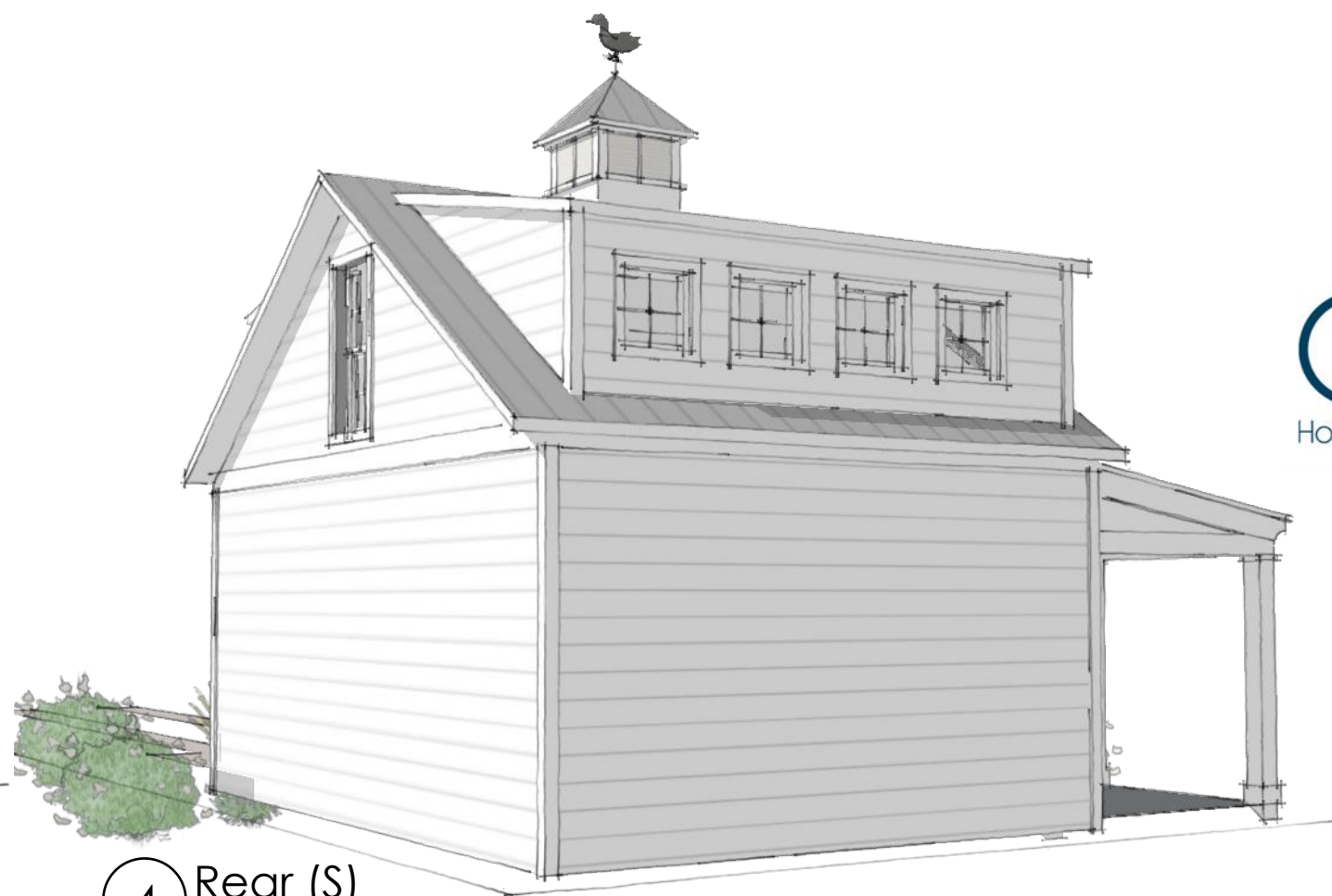
637 OAK STREET
HERNDON, VA

ACCESSORY STRUCTURE

6 DECEMBER 2023



③ Side (E)



④ Rear (S)



② Side (W)



① Front (S)



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Tatum Residence

637 OAK STREET
HERNDON, VA

ACCESSORY STRUCTURE

6 DECEMBER 2023



1

6

10



9



FINAL WEATHERVANE CHARACTER TBD

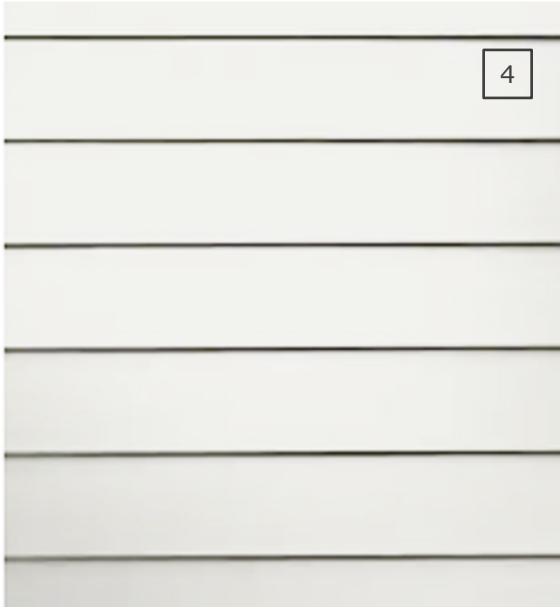


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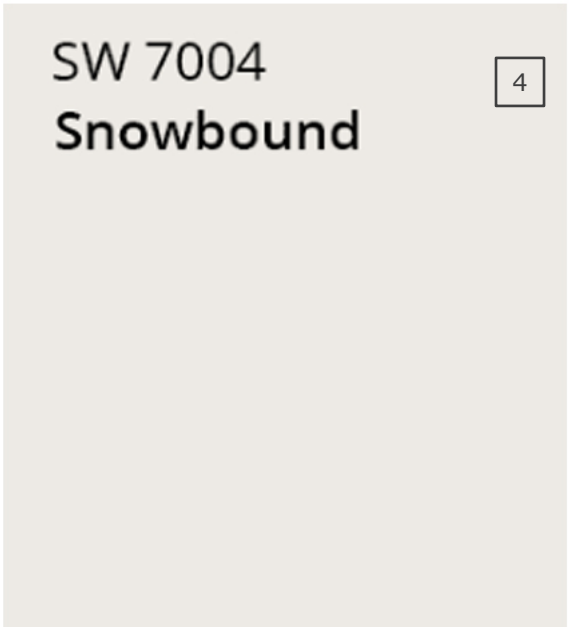
2



8



4



4

EXTERIOR SCHEDULE

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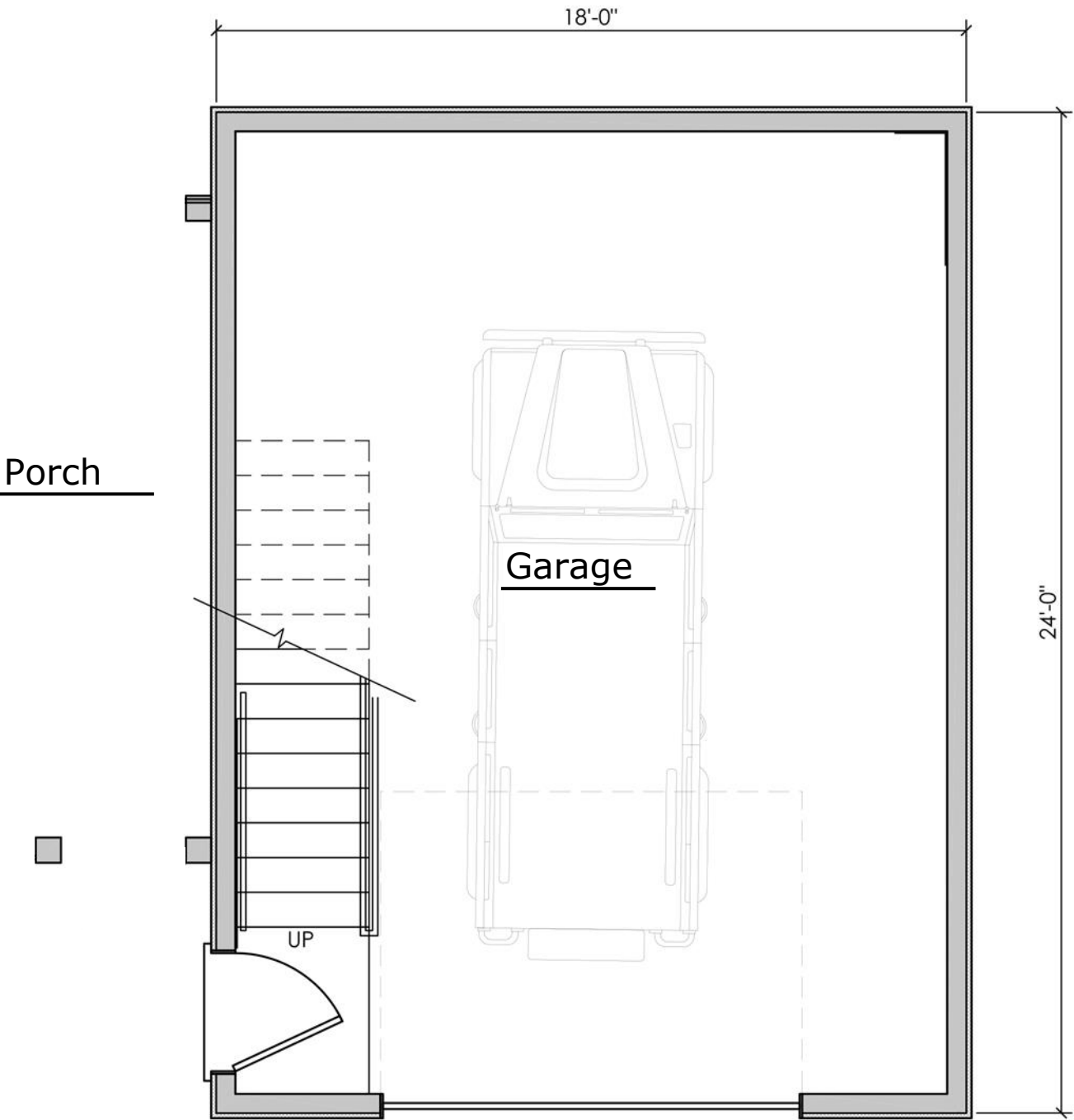
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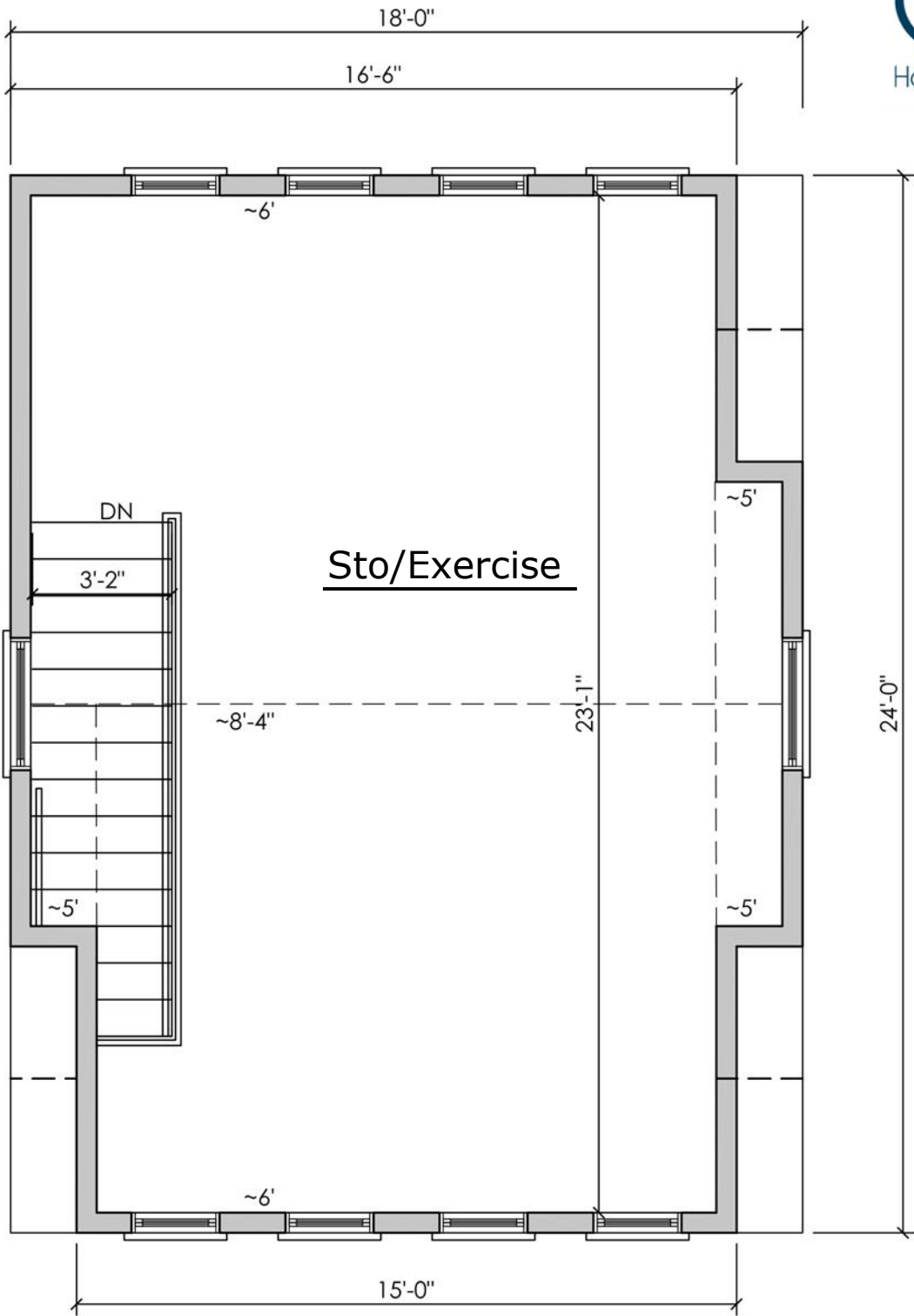
ACCESSORY STRUCTURE

6 DECEMBER 2023

1 Main Plan
nts



2 Upper Plan
nts





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Tatum Residence

637 OAK STREET
HERNDON, VA

ACCESSORY STRUCTURE

6 DECEMBER 2023



Statement Collection® Products

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

COLORPLUS® TECHNOLOGY

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

Hardie® Plank, Hardie® Panel, Hardie® Shingle and Hardie® Trim Batten Color Offering



Attachment #3

Hardie® Plank

Thickness 5/16 in
Length 12 ft planks
Select Cedarmill® & Smooth
Width 8.25 in
Exposure 7 in



Hardie® Soffit

Thickness 1/4 in
Vented Smooth
Width 12 in 16 in 24 in
Length 12 ft 12 ft 8 ft



Batten Boards

Smooth
Thickness .75 in
Length 12 ft. boards

Hardie® Trim Color Offering

Hardie® Soffit Color Offering

STYLES

find your perfect mix of exterior products



HARDIE® PANEL
& HARDIE® TRIM BATTEN



HARDIE® SHINGLE



HARDIE® PLANK



HARDIE® TRIM



HARDIE® SOFFIT

For more detailed product size and availability information,
visit jameshardie.com/magnolia.

TEXTURES

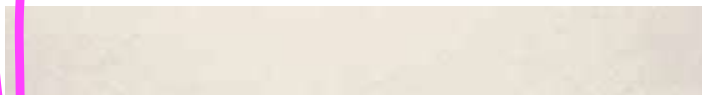
choose the texture you prefer



HARDIE® TRIM SMOOTH



HARDIE® TRIM RUSTIC GRAIN

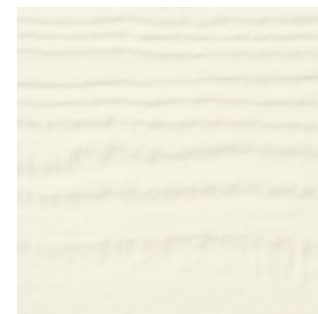


HARDIE® SIDING SMOOTH*



HARDIE® SIDING SELECT CEDARMILL**

* Textures available for siding and soffit



BIRCH TREE



IT'S ABOUT THYME



DRIED EUCALYPTUS



A classic look that stands the test of time.

Hardie® Plank

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

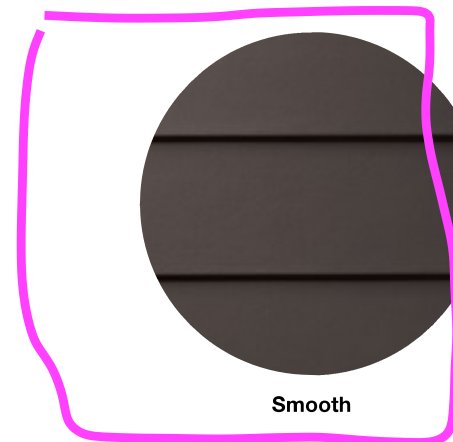
Hardie® Trim
Smooth
Arctic White

Hardie® Plank
Select Cedarmill®
Khaki Brown

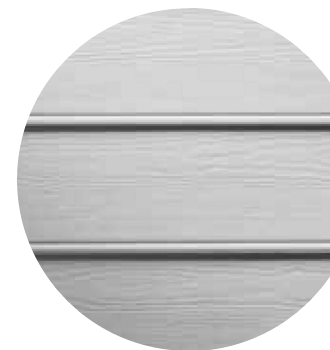
Hardie® Plank



Select Cedarmill®



Smooth



Beaded Select Cedarmill®

A finished look starts with beautiful trim.

Hardie® Trim

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

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



Hardie® Trim

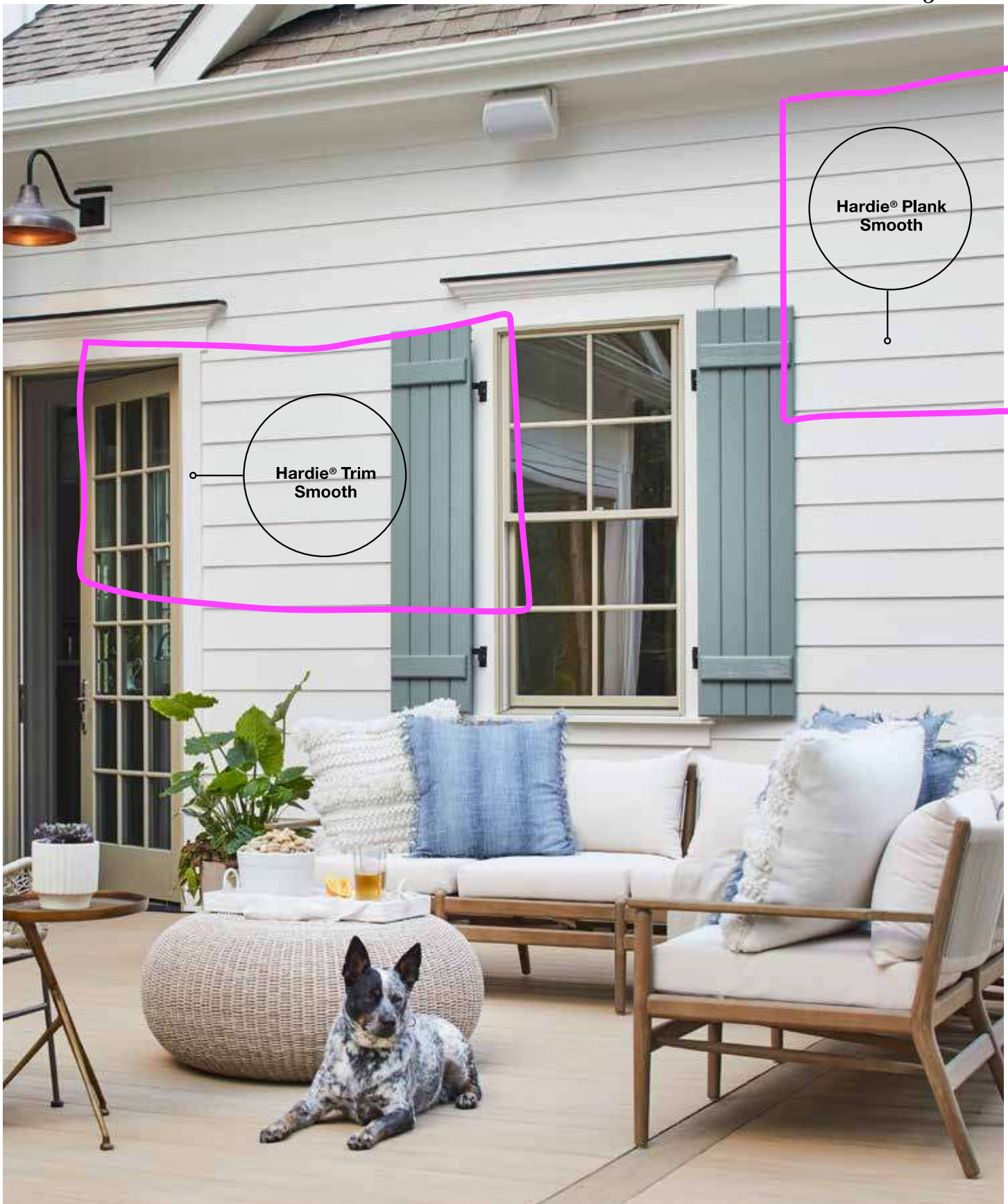


4/4 Smooth		Thickness
Width	3.5 in	5.5 in
Prime Pcs/Pallet	312	208
ColorPlus® Pcs/Pallet	312	208
Statement Collection®	•	•
Dream Collection®	•	•
Prime	•	•

5/4 Smooth

Width	3.5 in	4.5 in
Prime Pcs/Pallet	240	200
ColorPlus® Pcs/Pallet	240	200
Statement Collection®	•	•
Dream Collection®	•	•
Prime	•	•

Batten Boards



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Pinnacle Casement & Awning

Features and Benefits

- The warmth and beauty of Clear Select Pine, Douglas Fir or Natural Alder; can be painted or stained
- Clad units offer a strong, durable extruded aluminum sash and frame for low maintenance; primed units offer the traditional appearance where the trim and exterior sash are cellular PVC
- Glass is replaceable in case of damage
- 2" thick sash adds beauty and increases insulating value
- Exterior tape glazing slows conduction of heat/cold through edge of glass; two beads of silicone ensure a water tight seal that creates three seals between glass and sash
- Single lever, sequential, multi-point lock for sleek look and easy operation



- Adjustable concealed hinge system ensures smooth operation



- 1-1/4" jamb creates unmatched strength and stability
- Silicone-injected frame corners create a stronger and more attractive joint

Sizes

Available in hundreds of standard and custom sizes

Glazing

- Windsor Glazing System provides 3/4" double pane insulated glass; Cardinal® LoE 366 glass standard; tinted, tempered, obscure and laminated glass available
- Glazed with tape and silicone sealant
- Custom and special glass types available
- Preserve protective film optional

Exterior Trim

- Clad windows available with WM 180 brickmould, Williamsburg, or 3-1/2" flat casing; 3/8", 1-1/4", 2-1/4" subsills
- Primed windows available with WM 180 brickmould, WM 180 brickmould with flange, Williamsburg, 3-1/2" flat, 4-1/2" backband, 5-1/2" flat or plantation casing; 2" bull nose sill nose, casement subsill or 2" casement subsill
- All prime window trims, subsills and sill nose are cellular PVC

Grilles

Windsor Divided Lite (WDL) = simulated divided lite

- 7/8" and 1-1/4" Perimeter Grille (NOT available on radius casements)
- 7/8" and 1-1/4" Stick Grille
- 3/4" and 1" Profiled Inner Grille
- 13/16" Flat Inner Grille
- 7/8" and 1-1/4" Ogee WDL
- 5/8", 7/8", 1-1/4" and 2" Tall and Short Putty WDL
- 5/8", 7/8", 1-1/4" and 2" Tall and Short Contemporary WDL
- 2" Simulated Check Rail
- Standard and custom grille patterns available

Finishes

- Interior – Available in Clear Select Pine, Douglas Fir or Natural Alder
 - Primed: white or black
 - Painted: white, black or gray
 - Stained: 9 color options

- Exterior – Clad windows feature heavy-duty extruded aluminum cladding on sash and frame; primed windows offer an assortment of traditional cellular PVC trim options

Clad Colors

All clad colors painted in-house with the highly durable AAMA 2604 standard finish, or upgrade to AAMA 2605 for the most challenging of environments

- 24 Standard Clad Colors available in 2604 and 2605 finish
- 20 Feature Clad Colors available in 2604 and 2605 finish (Custom color matching is also available)
- 7 Matte Clad Colors available in the 2604 finish only

Hardware

Encore folding nesting crank and cover by Truth® available in champagne, white, bronze and black; optional finishes in faux bronze, oil rubbed bronze, satin nickel and bright brass

Performance Ratings

For current performance ratings, visit our website at windsorwindows.com and click on "Professional Information" in the menu bar



Aluminum Wall Light

SKU: CPG11735

By: Capital Lighting

\$218.00

Features

- The bottom is open for easy access to the bulb
- The black finish is a neutral, dark tone with a slightly coarse texture.
- Designed to be dimmable and LED, CFL, or Incandescent bulb compatible.

Weights & Dimensions

- Overall: 24" H X 8" W X 8" D
- Back Plate: 7.5" H X 4.75" W X 1" D
- Body: 24" H X 8" W X 8" D
- Overall Product Weight: 9 lb.



Contact: Sean Ruppert

6428 79TH ST, CABIN JOHN, MD 20818 | 2026642009

ruppertobrien@gmail.com

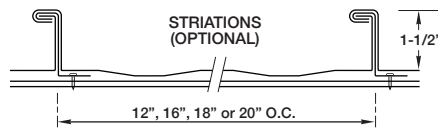
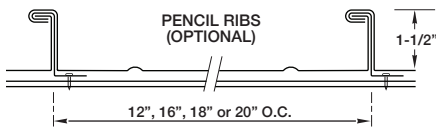
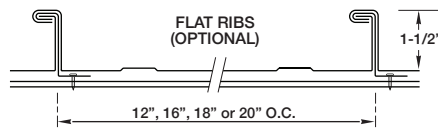
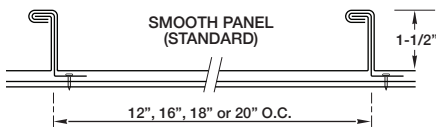
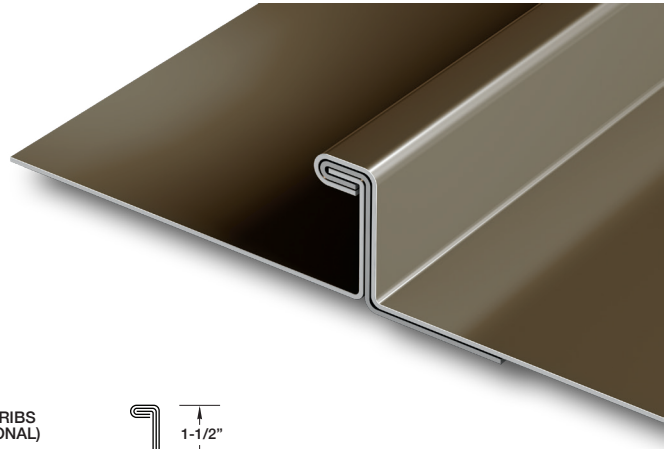
PAC-150 90° SEAM

MATERIALS

.032 aluminum 24 gauge steel

SPECS

12", 16", 18"
or 20" O.C. 1-1/2" High



PRODUCT FEATURES

- ▶ 30-year non-prorated finish warranty
- ▶ Weathertightness warranty available
- ▶ Available in four pan variations; smooth, striated, pencil rib or flat rib. Check locally for panel condition availability
- ▶ Maximum panel length of 64' when factory or shop-formed but virtually unlimited when field-formed

- ▶ Mechanically seamed in the field to 90°
- ▶ NOTE: Seamers for PAC-150 are not available from Petersen

MATERIAL

- ▶ 43 stocked colors (24 gauge steel)
- ▶ 36 stocked colors (.032 aluminum)
- ▶ Galvalume Plus available

UL CLASSIFICATION

- ▶ UL-580
- ▶ UL-1897
- ▶ TAS-125

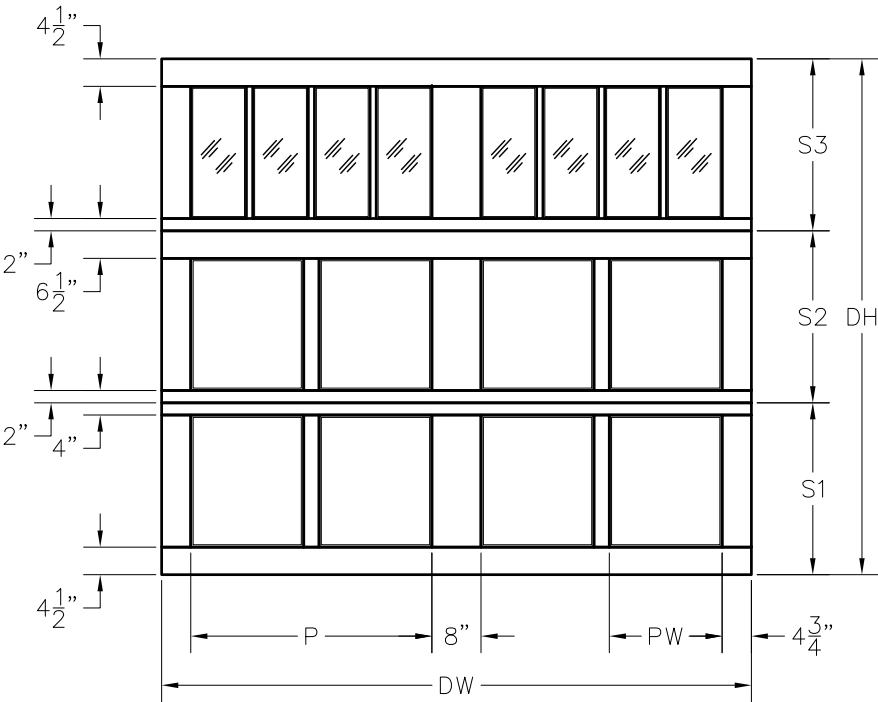
FLORIDA BUILDING PRODUCT APPROVALS

Contact the Acworth, Georgia facility for PAC-150 product approvals.

REVISIONS		
REV. No.	DATE	DESCRIPTION
00	6/1/15	RELEASED

Attachment #3

TOP SECTION DESIGN: REC14–GLAZED



DH	6'–6"	7'–0"
NOMINAL (DH)	6'–6–3/4"	7'–0"
S1	28"	28"
S2	22–3/4"	28"
S3	28"	28"

- NOTES:**
- 1.) CUSTOMER TO SELECT WOOD SPECIES, TRACK, COUNTERBALANCE & FINISH OPTIONS WHEN PLACING ORDER.
 - 2.) NOMINAL DOOR THICKNESS TO VARY BASED ON WOOD MATERIALS CHOSEN AT TIME OF ORDER.
 - 3.) STANDARD DOOR CONFIGURATION INCLUDES NO LOCK HOLE. OTHER LOCK OPTIONS ARE AVAILABLE.

DW	P	PW
6'–0"	27–1/4"	12–3/8"
6'–2"	28–1/4"	12–7/8"
6'–4"	29–1/4"	13–3/8"
6'–6"	30–1/4"	13–7/8"
6'–8"	31–1/4"	14–3/8"
6'–10"	32–1/4"	14–7/8"
7'–0"	33–1/4"	15–3/8"
7'–2"	34–1/4"	15–7/8"
7'–4"	35–1/4"	16–3/8"
7'–6"	36–1/4"	16–7/8"
7'–8"	37–1/4"	17–3/8"
7'–10"	38–1/4"	17–7/8"
8'–0"	39–1/4"	18–3/8"
8'–2"	40–1/4"	18–7/8"
8'–4"	41–1/4"	19–3/8"
8'–6"	42–1/4"	19–7/8"
8'–8"	43–1/4"	20–3/8"
8'–10"	44–1/4"	20–7/8"
9'–0"	45–1/4"	21–3/8"

FRONT ELEVATION DESIGN: SEMI2

 FRONT ELEVATION VIEW DRAWING	IMPORTANT: This document must be signed and returned prior to any fabrication. Please reference this drawing number on all correspondence. Thank you! NOTICE: Confidential/Proprietary information of CLOPAY BUILDING PRODUCTS CO. is contained herein and may not be disclosed, used, duplicated, made available, or distributed without its prior consent. Failure to observe this notice may result in liability for any damages and losses resulting therefrom.	DRAWN BY: AG	DATE: 6/1/15	APPROVAL SIGNATURE:	APPROVAL DATE:	
		CUSTOMER: SEMI–CUSTOM				
		JOB: FRONT ELEVATION		DRAWING NUMBER: SEM–2P–3S–2–SM–REC14–G		REV. 00 SHEET: 1 of 1
		CSR/DC: TROY, OHIO				

GALLERY[®] STEEL

garage doors

3-LAYER CONSTRUCTION



America's Favorite Garage Doors[®]



Model GD2SU; Shown in Black with SQ22 Windows

GALLERY® STEEL

The Gallery® Steel three-layer construction provides exceptional strength, energy efficiency and dent resistance as well as a beautiful carriage house appearance. The 2" or 1-3/8" thickness of Intellicore® polyurethane or bonded polystyrene insulation and thermal break makes these doors heat and cold resistant while the tongue-and-groove joint helps seal out wind, rain and snow. Available in short and long panels with multiple window options, the three-layer Gallery® Steel is virtually maintenance-free, so the first fabulous impression becomes a lasting impression.



intellicore®
insulation technology

Warmer. Quieter. Stronger.

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

3-Layer Construction			
GD2SU & GD2LU MODELS	GD1SU & GD1LU MODELS	GD2SP & GD2LP MODELS	GD1SP & GD1LP MODELS
 2" POLYURETHANE INSULATION	 1 3/8" POLYURETHANE INSULATION	2" POLYSTYRENE INSULATION	1 3/8" POLYSTYRENE INSULATION
R-VALUE 18.4	R-VALUE 12.9	R-VALUE 9.0	R-VALUE 6.5

*Calculated door section R-value is in accordance with DASMA TDS-163.
Models with Ultra-Grain® finish and Black paint options are 25 gauge steel.*



Model GD1LU; Shown in
Ultra-Grain® Oak Slate Finish
with Grille on ARCH1 Windows

COLORS



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

**Additional charges apply.
Due to the printing process, colors may vary.*

CUSTOM PAINT OPTION



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

ULTRA-GRAIN® FINISH OPTION



Ultra-Grain® Oak Medium Finish Ultra-Grain® Oak Dark Finish Ultra-Grain® Oak Walnut Finish Ultra-Grain® Oak Slate Finish

- Painted steel surface simulates a real stained door without the need of staining and the ongoing maintenance of wood.
- Oak woodgrain runs horizontal on stiles and vertical on panels for an authentic, natural look.
- Available in Medium, Dark, Walnut or Slate finishes that complement Clopay Entry Doors, shutters and other exterior stained wood products.
- Exterior steel surface on an Ultra-Grain® finish door has a stucco texture to create a more natural woodgrain appearance.
- Window frames, grilles and inserts are color matched to coordinate with the Ultra-Grain® finish patterns. All window options are available.

Additional charges apply.

LUSTRA™ FINISH



Black Charcoal Silver

Lustra™ finished garage doors feature a Black or Charcoal matte look, while Silver has a brushed metallic look. Door exterior has a smooth textured steel surface.

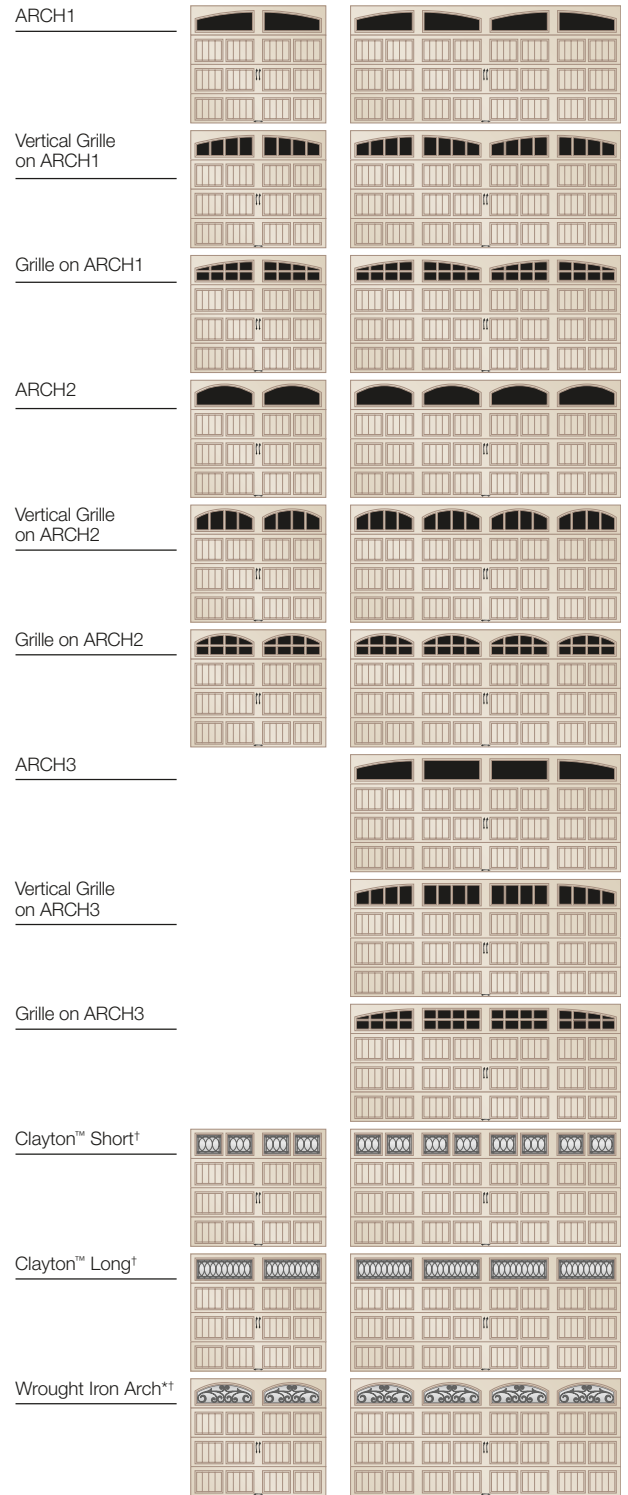
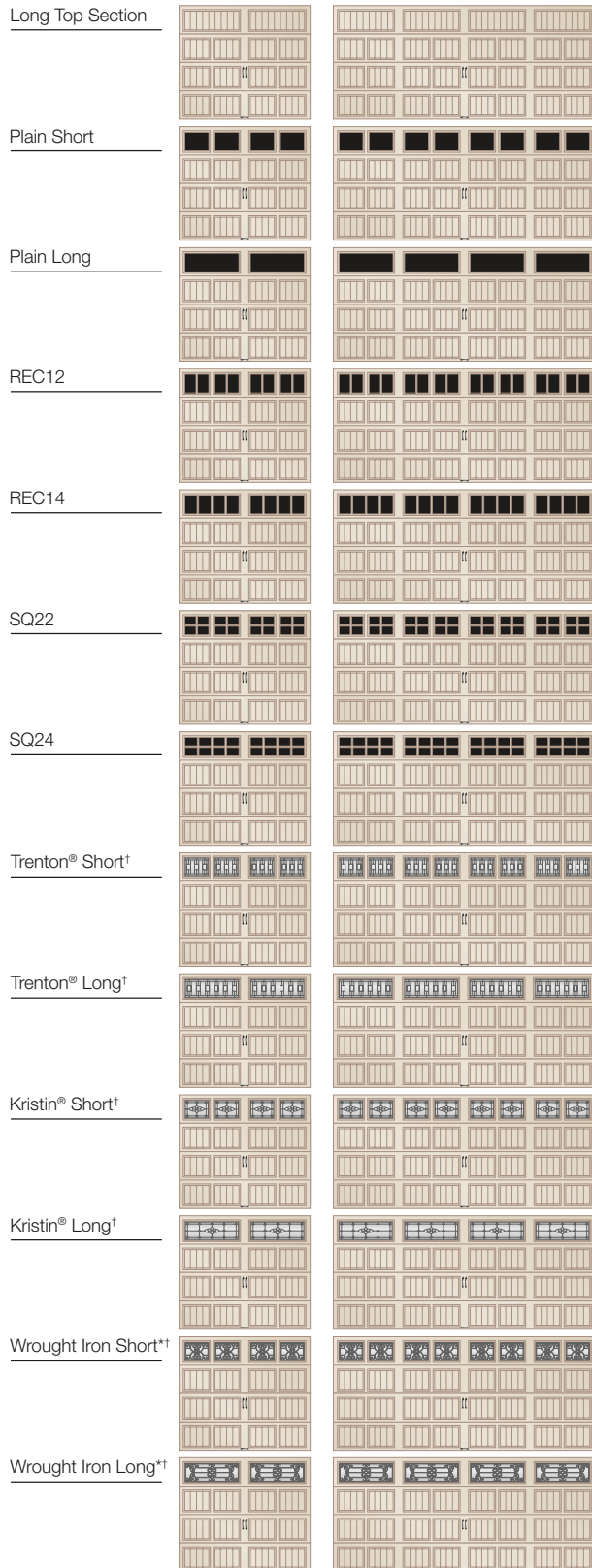
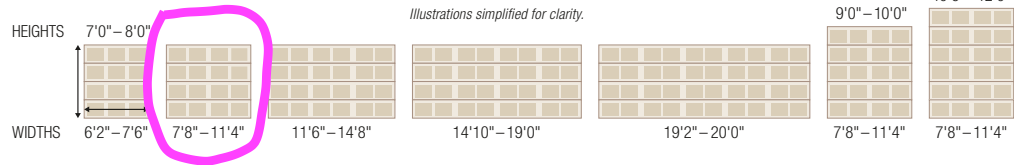
- These modern doors feature thick 24 gauge surface steel.
- Lustra™ finished doors cannot be painted.

*Additional charges apply.
Not available on Models GD1SU, GD1LU, GD2SP, GD2LP, GD1SP and GD1LP.*

SHORT PANEL WINDOW DESIGNS AND TOP SECTION OPTIONS Attachment #3

Doors range from 6'0" to 16'0" high and 6'2" to 20'0" wide. Consult your Clopay Dealer for size options.

MODELS
GD1SP, GD1SU,
GD2SP AND GD2SU



*Acrylic

†Complements Clopay Entry Door glass.

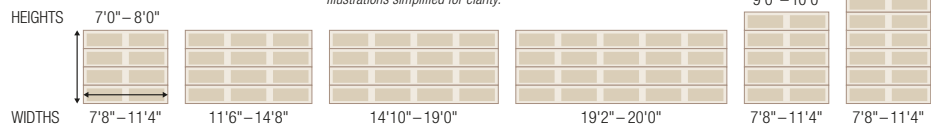
Note: Due to stile width restrictions, some odd size door widths may allow only for the installation of a single handle. See your Clopay Dealer for details.

LONG PANEL WINDOW DESIGNS AND TOP SECTION OPTIONS

Attachment #3

Doors range from 6'0" to 16'0" high and 7'8" to 20'0" wide. Consult your Clopay Dealer for size options.

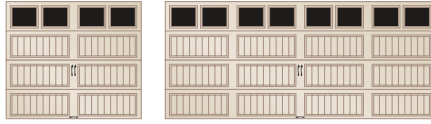
MODELS
GD1LP, GD1LU,
GD2LP AND GD2LU



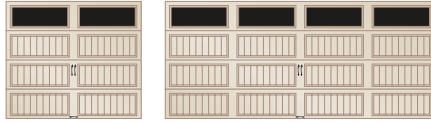
Short Top Section



Plain Short



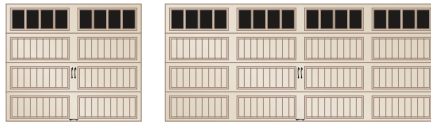
Plain Long



REC12



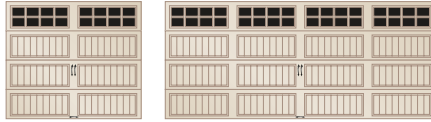
REC14



SQ22



SQ24



Trenton® Short†



Trenton® Long†



Kristin® Short†



Kristin® Long†



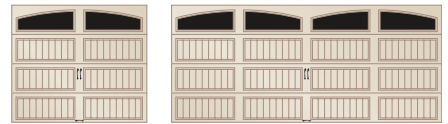
Wrought Iron Short**



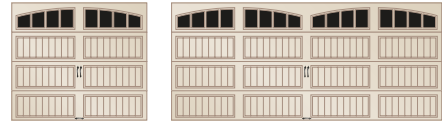
Wrought Iron Long**



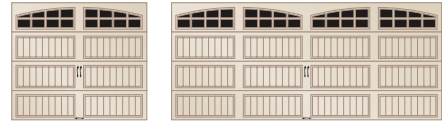
ARCH1



Vertical Grille
on ARCH1



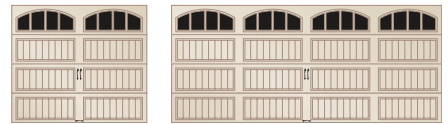
Grille on ARCH1



ARCH2



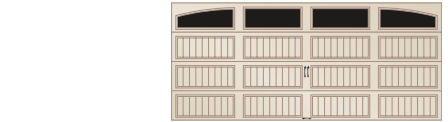
Vertical Grille
on ARCH2



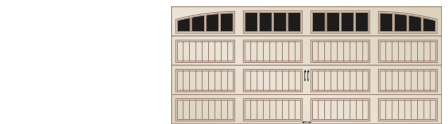
Grille on ARCH2



ARCH3



Vertical Grille
on ARCH3



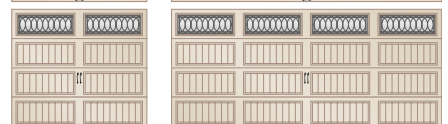
Grille on ARCH3



Clayton™ Short†



Clayton™ Long†



Wrought Iron Arch**



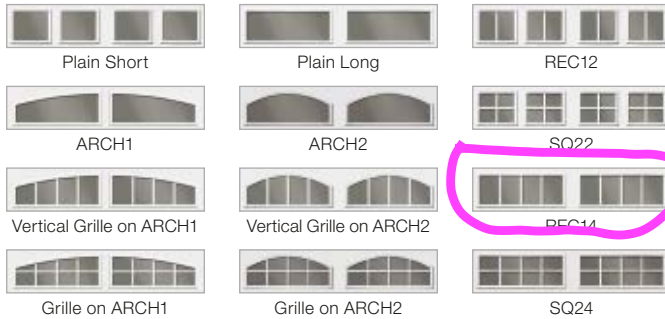
*Acrylic

†Complements Clopay Entry Door glass.

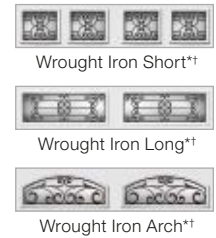
Note: Due to stile width restrictions, some odd size door widths may allow only for the installation of a single handle. See your Clopay Dealer for details.

Windows

GLASS



ACRYLIC



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

*Not available with Lustra™ finishes.
†Complements Clopay Entry Door glass.
Long and short windows may be used in any Gallery® Steel 3-layer model. Double-strength glass is standard.
Optional obscure, 3/4" insulated and 3/4" insulated obscure glass is available on all Gallery® Steel 3-layer models.
Additional charges for optional glass apply.

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



Additional Features



Large authentic arch window designs. Ultra-Grain® finish window frames, grilles and inserts are color coordinated to Medium, Dark, Walnut and Slate finishes.



2" thick polystyrene doors and all Intellicore® polyurethane insulation doors come standard with 10-ball nylon rollers and heavy-duty 14 gauge steel hinges.

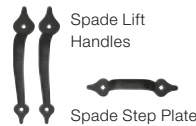


Energy-efficient thermal break. Polyurethane model shown.

- Hot-dipped galvanized steel interior and exterior skins with a baked-on primer and top coat help ensure a virtually maintenance-free door with long-lasting beauty.
- Replaceable vinyl bottom weatherseal in a corrosion-resistant retainer helps seal out the elements.
- 2" thick polystyrene doors and all Intellicore® polyurethane insulation doors comply with 2015 IECC air infiltration requirement of 0.40 cfm/ft² or less (IECC, Section C402.5.2).
- See your Clopay Dealer for WINDCODE® door availability.

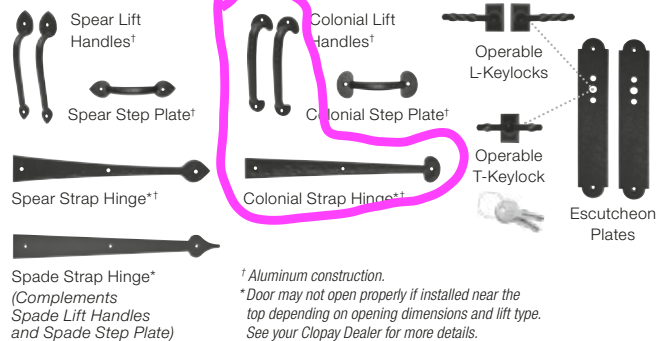
Decorative Hardware

STANDARD



Note: Decorative hardware options vary based on door widths. Standard hardware is not provided if a lock is chosen. See your Clopay Dealer for details.

OPTIONAL



† Aluminum construction.
*Door may not open properly if installed near the top depending on opening dimensions and lift type. See your Clopay Dealer for more details.

Warranties



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

Follow us on



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RSR-GALLERY3LAYERSS-10_REV0623

Environmental Assurance

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

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

imagine



DESIGN YOUR DOOR
OPEN CAMERA
AND POINT!

THERMA-TRU Corp.
 1750 Indian Wood Circle
 Maumee, OH 43537
 Toll Free 800-891-7400
 Phone 419-891-7400
 Website www.thermatru.com

Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including MasterFormat, SectionFormat, and PageFormat. The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all "Specifier Notes" when editing this section. Section numbers and titles are from MasterFormat 2011 Update.

DIVISION 08 16 13

FIBERGLASS ENTRY DOORS

Specifier Notes: This section covers Therma-Tru® branded fiberglass entry door slabs ("Doors") and other components of the doors system which can be sourced through Therma-Tru®. Consult your local Therma-Tru Architectural Sales Specialist for assistance in editing this section for the specific application.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fiberglass Entry Doors
- B. Impact Resistant Fiberglass Entry Doors
- C. Fire Rated Fiberglass Entry Doors

1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section. Verify section numbers and titles.

- A. 06 40 00 - Architectural Woodwork
- B. 07 27 00 – Air Barriers: Water-resistant barrier
- C. 07 92 00 – Joint Sealants: Sealants and caulking
- D. 08 80 00 - Glazing
- E. 08 71 00 – Door Hardware
- F. 09 90 00 - Painting and Coating

Fiberglass Entry Doors
 08 16 13

1.3 REFERENCES

Specifier Notes: Standards listed by reference including revisions by issuing authority. This article does not require compliance with standards, but is merely a listing of those that may be used.

- A. American Society for Testing and Materials (ASTM):
 - 1. ASTM E 90 – Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
 - 2. ASTM E 283 – Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Difference Across the Specimen.
 - 3. ASTM E 330 – Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.
 - 4. ASTM E 331 – Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.
 - 5. ASTM E 413 – Classification for Rating Sound Insulation (STC).
 - 6. ASTM E 547 – Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference.
 - 7. ASTM E 1300 – Standard Practice for Determining Load Resistance of Glass in Buildings.
 - 8. ASTM E 1332 – Standard Classification for Determination of Outdoor-Indoor Transmission Class.
 - 9. ASTM E 1886 – Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missiles and Exposed to Cyclic Pressure Differentials.
 - 10. ASTM E 1996 – Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes.
 - 11. ASTM E 2235 – Standard Test Method for Determination of Decay Rates for Use in Sound Insulation Test Methods.
- B. California Reference Standard Code:
 - 1. CA SFM 12-7A-1 – Materials and Construction Methods for Exterior Wildfire Exposure.
- C. Canadian Standard:
 - 1. CAN4-S104 – Standard Method for Fire Tests of Door Assemblies.
- D. Environmental Protection Agency and Department of Energy:
 - 1. Energy Star Program Requirements Product Specification for Residential Windows, Doors, and Skylights.
- E. Code of Federal Regulations:
 - 1. CFR 1201 Part 2 – Safety Standard for Architectural Glazing Materials.
- F. Florida High Velocity Hurricane Zone (HVHZ) Testing Application Standards:
 - 1. TAS 201 – Impact Test Procedures.
 - 2. TAS 202 – Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure.
 - 3. TAS 203 – Criteria for Testing Products Subject to Cyclic Wind Pressure Loading.
- G. National Accreditation & Management Institute (NAMI)
- H. National Fenestration Rating Council
 - 1. NFRC 100 – Procedure for Determining Fenestration Product U-Factors.

2. NFRC 200 – Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance (VT) at Normal Incidence.
3. NFRC 400 – Procedure for Determining Fenestration Product Air Leakage.

- I. National Fire Protection Association
 1. NFPA 252 – Standard Methods of Fire Tests of Door Assemblies
- J. Underwriters Laboratory
 1. UL 10B – Standard for Fire Testing Door Assemblies.
 2. UL 10C – Standard for Positive Pressure Fire Tests of Door Assemblies.

1.4 PERFORMANCE REQUIREMENTS

Specifier Notes: Performance ratings for doors vary by product, configuration, and size. Current performance information is found at www.thermatru.com. Consult your local Therma-Tru Architectural Sales Specialist for more information. Delete the following performance requirements if not required.

- A. Doors shall have a structural design pressure rating of DP [____].
- B. Doors shall have an impact design pressure rating of DP [____].
- C. Door Unit Air Leakage, NFRC 400, 1.57 psf (25 mph): 0.50 cfm per square foot of frame or less.
- D. Door Unit Water Penetration: No water penetration through door unit when tested in accordance with ASTM E 331 or ASTM E 547 with water applied at rate of 5 gallons per hour per square foot at 0 psf.
- E. Doors shall have a minimum STC rating of [____] or a minimum OITC rating of [____].
- F. Doors shall have a positive pressure certified fire door rating of [____] minutes.
- G. Doors shall have a minimum/maximum U-Value of [____] and a minimum/maximum SHGC of [____].
- H. Doors shall qualify for Energy Star Rating.

1.5 SUBMITTALS

- A. Refer to Division 01 33 00 Submittal Procedures [Insert division number and title].
- B. Product Data: Submit door manufacturer current product literature, including installation instructions.
- C. Shop Drawings: Submit manufacturer's shop drawings, indicating dimensions, construction, component connections, anchorage methods and locations, accessories, hardware locations, and installation details.
- D. Samples: Submit full-size or partial full-size verification sample of door illustrating glazing system, quality of construction, texture, and color of finish.

1.6 QUALITY ASSURANCE

- A. Mockup:
 - 1. Provide sample unit of representative product size and using manufacturer approved installation methods to determine acceptability of door installation methods. Comply with Division 01 43 39 Quality Assurance
 - 2. Approved mockup shall represent minimum quality required for the Work.
 - 3. Approved mockup shall [not] remain in place within the Work.
- C. Quality Assurance Submittals:
 - 1. Provide documentation for specified performance as required.
 - 2. Manufacturers' installation instructions.
- D. Manufacturer Qualifications: Manufacturer shall have successful experience in producing the type of product required for project applications equivalent to the requirements for this project.

Specifier notes: Therma-Tru manufactures fiberglass door slabs and related components and sources them to distributor and dealer fabricators for system assembly. Fabricators will have successful experience in producing the type of product required equivalent to the project requirements.

- E. Installer Qualifications:
 - 1. [Optional: Installer holds current credential as a NAMI Certified Installer of Therma-Tru Side Hinged Door Installations and as a Therma-Tru® Certified Installer.]

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Refer to Division 01 60 00 Product Requirements.
- B. Delivery: Deliver materials to site undamaged with labels clearly identifying manufacturer, product name, and installation instructions
- C. Storage: Store materials in an upright position, off ground, under cover, and protected from weather, direct sunlight, and construction activities.
- D. Handling: protect materials and finish during handling and installation to prevent damage.

1.8 WARRANTY

- A. Refer to Division 01 78 36 Warranties
- B. Therma-Tru® standard limited warranty for fiberglass Therma-Tru® Door Product and genuine Therma-Tru® components, including rot-resistant frames, mullions, and brickmould sourced from Therma-Tru (excluding primed pine door frames and oak door

frames, and non-rot resistant mullions and brickmould) used in commercial and multi-residential projects will be free from material and workmanship defects for a period of three years subject to certain limitations and restrictions. For complete details and current warranty information go to www.thermatru.com.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Basis of design:
Therma-Tru Corp.
1750 Indian Wood Circle
Maumee, OH 43537
(419) 891-7400
(800) 843-7628
www.thermatru.com
Contact:
Rod Clark
458-206-8532
rclark@thermatru.com
- B. Substitutions: Not permitted
- C. Requests for substitutions will be considered in accordance with provisions of Division 01 60 00.

2.2 FIBERGLASS ENTRY DOORS

- A. Fiberglass Entry Doors: All fiberglass doors manufactured by Therma-Tru®. Specification is for complete entry systems with components manufactured by Therma-Tru® and assembled by independent fabricators.
 - 1. Select [Classic -Craft®], [Fiber-Classic®], [Smooth-Star®], [20 Min Fire Door]
 - 2. Construction:
 - a. Classic-Craft®
3/32" minimum thickness proprietary fiberglass reinforced thermoset composite, "AccuGrain" textured to duplicate hand-crafted hardwood master or smooth surface. Door edges are machinable kiln-dried hardwood, flush and square with door faces, lock edge reinforced with full-length integrated 3-1/2-inch wide engineered lumber core. Door bottom edge is moisture- and decay-resistant composite. Core is foamed-in-place polyurethane, with a minimum density of 1.9 pcf.
 - b. Fiber-Classic®
1/16-inch minimum thickness, proprietary fiberglass-reinforced thermoset composite, wood-grained in natural hardwood patterns, stainable and paintable.

Door edges are machinable kiln-dried pine, primed, lock edge reinforced with engineered lumber core, lockset area reinforced with solid blocking for hardware backup. Door bottom edge is moisture- and decay-resistant composite. Core is foamed-in-place polyurethane, density 1.9 pcf minimum.

- c. Smooth Star®
1/16-inch minimum thickness, proprietary fiberglass-reinforced thermoset composite, surface lightly textured. Door edges are machinable kiln-dried pine, primed, lock edge reinforced with engineered lumber core, lockset area reinforced with solid blocking for hardware backup. Door bottom edge is moisture- and decay-resistant composite. Core is foamed-in-place polyurethane, density 1.9 pcf minimum.

3. Door Style

a. Classic-Craft®

1. American Collection: Enter Style Number [].
2. Mahogany Collection: Enter Style Number [].
3. Rustic Collection: Enter Style Number [].
4. Oak Collection: Enter Style Number [].
5. Canvas Collection: Enter Style Number [].

b. Fiber-Classic®

1. Mahogany Collection: Enter Style Number [].
2. Oak Collection: Enter Style Number [].

c. Smooth-Star®

1. Enter Style Number [].

- B. Frames: Provided and assembled by third party fabricators to exacting specifications from Therma-Tru to help maximize system performance. Therma-Tru® strongly recommends the use of rot-resistant frames, mullions, and brickmould sourced from Therma-Tru, however, the use of a non Therma-Tru® frame system (or a Therma-Tru Primed Pine Frame or Therma-Tru Oak Frame) will not automatically void the entire limited warranty. Refer to 1.8.B for clarification.

1. Milled from 5/4 kiln-dried material with profiled ½” stop and 6 degree sill gain prep.
2. Jamb Width [Standard 4 9/16”] Optional: [5 ¼”] [6 9/16”]
3. Rot Resistant – frames, mullions, and brickmould sourced through Therma-Tru.

C. Sills

1. Inswing: [Composite Adjustable] [Hardwood Adjustable] [Basic Fixed]
[Basic Composite Adjustable] [Moderate Climate]
2. Outswing: [Composite Outswing] [Aluminum with Thermal Break] [Aluminum No Thermal Break][Coastal]
3. Other:[Public Access Sill]
4. Finish: [Mill] [Bronze] [Brass] [Satin nickel]

2.3 HARDWARE

Specifier Notes: Fiberglass entry doors are available with optional Therma-Tru factory installed multi-point lock; prepped for standard locking hardware; or no bore.

- A. Hinges: Steel, [optional ball bearing] 4 x 4 x 0.098 inches finished to match hardware, plated screws to match
1. Finish: [US4, Zinc dichromate] [US3, bright brass] [US5, antique brass] [US15, brushed nickel] [US17A, black nickel] [US15A, antique nickel] [US26, polished chrome] [US10B, oil rubbed bronze] [US32D stainless steel]

Specifier Notes: Multi-point locking system is optional. Delete if not required.

- B. Locking Hardware:
1. Multi-point lock system includes stainless steel face plate.
 2. Multi-point lock system handle set hardware: [Heirloom] [Venture] [Millennium] [Ara] [Decade]
 3. Finish: [US3, bright brass] [US5, antique brass] [US15, brushed nickel] [US17A, black nickel] [US15A, antique nickel] [US26, polished chrome] [US10B, oil rubbed bronze] [BY, white]

Specifier Notes: Decorative and specialty glass is standard and included with the select model numbers.

2.4 GLAZING

1. Therma-Tru factory glazed with [double-pane] or [triple-pane] construction.
2. [Decorative] [Specialty] designated by door model number.
3. Privacy glass: [Chord] [Rain] [Chinchilla] [Granite]

2.5 INSTALLATION ACCESSORIES

- A. Sill pan
- B. Corner seal pad
- C. Rain deflector
- D. Rain Guard

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive doors. Notify Architect in writing any unacceptable conditions that would adversely affect installation or subsequent performance of the product. Do not proceed with installation until unsatisfactory conditions are corrected.

3.2 INSTALLATION

- A. Install fiberglass doors in full compliance with Therma-Tru® written instructions and approved shop drawings.
- B. Install 20 minute doors with permanent fire door certification label in compliance with the requirements of the labeling agency and NFPA.
- C. Maintain alignment and compatibility with adjacent work.

3.3 FINISHING

- A. Finish in compliance with Therma-Tru® written recommendations. Guidance for proper finishing is available at www.thermatru.com – “Recommendations for Proper Finishing and Painting or Staining.”

3.3 Protection

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products prior to Substantial Completion in accordance with Therma-Tru written recommendations. Guidance for proper finishing is available at www.thermatru.com – “Recommendations for Proper Finishing and Painting or Staining.”

END OF SECTION