

MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION
STAFF REPORT

Address:	5 Philadelphia Avenue, Takoma Park	Meeting Date:	3/26/2025
Resource:	Contributing Resource Takoma Park Historic District	Report Date:	3/19/2025
		Public Notice:	3/12/2025
Review:	Historic Area Work Permit	Tax Credit:	n/a
Permit Number:	RETROACTIVE HAWP#1100880 and 1106307	Staff:	Dan Bruechert
Proposal:	Partial Demolition and Construction of Rear Addition and Retroactive Window Replacement		

STAFF RECOMMENDATION

Staff recommends that the HPC **approve with three (3) condition the HAWP** application with final approval authority to verify these conditions have been satisfied is delegated to Staff:

1. The proposed fiber cement siding must be installed with the smooth side facing out. The final HAWP drawings must include that notation;
2. The rear deck and railing material specification must be identified and submitted with the final HAWP drawings; and
3. All 18 (eighteen) vinyl windows must be removed and replaced with the identified custom Jeld-Wen wood windows and drawing updated to show this change.

ARCHITECTURAL DESCRIPTION

SIGNIFICANCE: Contributing Resource within the Takoma Park Historic District
STYLE: Craftsman
DATE: 1923

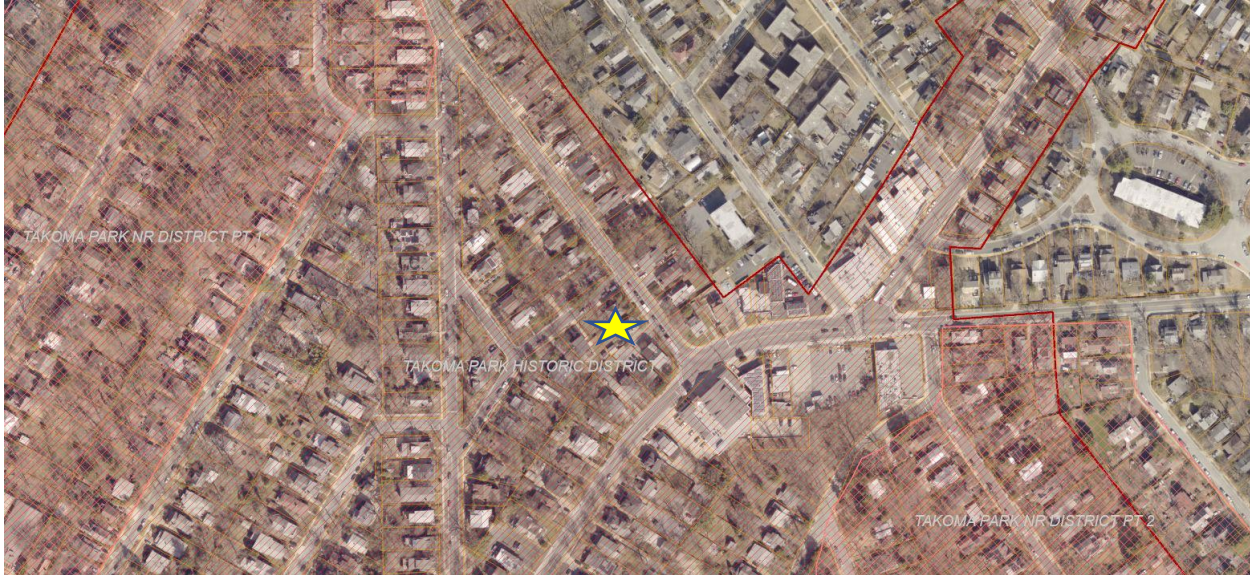


Figure 1: The subject property is located near the Takoma Junction area of the historic district.

BACKGROUND

On February 12, 2025 the HPC heard a Preliminary Consultation for the partial demolition of the subject property and the construction of a rear addition. The HPC generally found the addition was appropriate, but identified three areas where revisions were necessary, increasing the addition's side setback, installing fenestration (or otherwise breaking up the massing) on the addition's left elevation, and changing the roof form of the addition. The applicant has made revisions to address the HPC's concerns and returns for a HAWP.

During the review period for the Preliminary Consultation, Staff determined that the historic wood windows had been removed and replaced with vinyl sash windows without a HAWP by the current owner. The applicant indicated that work had occurred approximately eleven years ago. The HPC indicated that additional information was needed about the window replacement project and, at a minimum, a HAWP was required for that work. The applicant has provided that information and proposes to replace a selection of windows.

PROPOSAL

The applicant proposes a demolish a portion of the rear of the house and construct a two-story rear addition and replace some of the vinyl windows.

The window replacement occurred without an approved HAWP and though the applicant is seeking partial retroactive approval, the HPC is to review this as though no work has been completed.

APPLICABLE GUIDELINES

When reviewing alterations and additions for new construction to Contributing Resources within the Takoma Park Historic District, decisions are guided by the Takoma Park Historic District Design Guidelines (*Design Guidelines*) and Montgomery County Code Chapter 24A (*Chapter 24A*) and the Secretary of the Interior's Standards for Rehabilitation (*The Standards*). Because the applicant proposes to install a rear deck the HPC's ADOPTED POLICY FOR THE APPROPRIATENESS OF SUBSTITUTE MATERIALS FOR PORCH AND DECK FLOORING (Policy No. 24-01) provides

additional guidance. The pertinent information in these documents is outlined below.

Takoma Park Historic District Design Guidelines

There are two very general, broad planning and design concepts which apply to all categories. These are:

The design review emphasis will be restricted to changes that are at all visible from the public right-of-way, irrespective of landscaping or vegetation (it is expected that the majority of new additions will be reviewed for their impact on the overall district), and,

The importance of assuring that additions and other changes to existing structures act to reinforce and continue existing streetscape, landscape, and building patterns rather than to impair the character of the district.

Contributing Resources should receive a more lenient review than those structures that have been classified as Outstanding. This design review should emphasize the importance of the resource to the overall streetscape and its compatibility with existing patterns rather than focusing on a close scrutiny of architectural detailing. In general, however, changes to Contributing Resources should respect the predominant architectural style of the resource. As stated above, the design review emphasis will be restricted to changes that are *at all visible from the public right-of-way*, irrespective of landscaping or vegetation.

All exterior alterations, including those to architectural features and details, should be generally consistent with the predominant architectural style and period of the resource and should preserve the predominant architectural features of the resource; exact replication of existing details and features is, however, not required

Minor alterations to areas that do not directly front on a public right-of-way such as vents, metal stovepipes, air conditioners, fences, skylights, etc. – should be allowed as a matter of course; alterations to areas that do not directly front on a public way-of-way which involve the replacement of or damaged to original ornamental or architectural features are discouraged, but may be considered and approved on a case-by-case basis

Major additions should, where feasible, be placed to the rear of existing structures so that they are less visible from the public right-of-way; additions and alterations to the first floor at the front of a structure are discouraged, but not automatically prohibited

While additions should be compatible, they are not required to be replicative of earlier architectural styles

Second story additions or expansions should be generally consistent with the predominant architectural style and period of the resource (although structures that have been historically single story can be expanded) and should be appropriate to the surrounding streetscape in terms of scale and massing

Original size and shape of window and door openings should be maintained, where feasible

Some non-original building materials may be acceptable on a case-by-case basis; artificial siding on areas visible to the public right-of-way is discouraged where such materials would replace or damage original building materials that are in good condition

Alterations to features that are not visible from the public right-of-way should be allowed as a matter of course

All changes and additions should respect existing environmental settings, landscaping, and patterns of open space.

Montgomery County Code, Chapter 24A Historic Resources Preservation

- (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
 - (6) In balancing the interests of the public in preserving the historic site or historic resource located within an historic district, with the interests of the public from the use and benefit of the alternative proposal, the general public welfare is better served by granting the permit.
- (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 the Interior's Standards for Rehabilitation

- 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.
- 5. Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a historic property shall be preserved.
- 6. Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.
- 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.

ADOPTED POLICY FOR THE APPROPRIATENESS OF SUBSTITUTE MATERIALS FOR PORCH AND DECK FLOORING (Policy No. 24-01)

- 4. Contributing Resources – These are significant for their contribution to the district as a whole and prioritize retaining the architectural style, overall volume, and size. Porch floors on ‘Contributing’ resources may be a compatible substitute material (discussed below), provided the material matches the building’s historic character and construction methods. Historic rear porches

for ‘Contributing’ resources may be constructed using a compatible substitute material. Non-historic porches and decks on ‘Contributing’ resources that are not visible from the public right-of-way may be constructed using substitute materials.

6. Compatible substitute materials for replacement porch flooring/decking – On buildings where a substitute material is acceptable under this policy, the material must satisfy the following criteria:

- It must match the dimensions and installation method (i.e.) of the existing material or a historically appropriate porch flooring, (e.g., boards must run perpendicular to the house for porches);
- It must be millable;
- It can be painted without voiding the product warranty; or,
 - Has a uniform appearance consistent with painted wood;
- It has a minimal (or no) stamped or embossed texture on the surface; and,
- It has a finished edge that appears as a cut solid board.

STAFF DISCUSSION

The subject property is a two-story Craftsman house sided with asbestos shingles with a full-width front porch. The hipped roof is covered in three-tab asphalt shingles and has exposed rafter tails, with a gable dormer on the front roof slope. The house, excluding the front porch is 25’ 10” × 24’ 6” (twenty-five feet, ten inches deep by twenty-four feet, six inches wide). At the rear, there is an enclosed two-story porch that measures 7’ 2” × 11’ 2” (seven feet, two inches deep by eleven feet, two inches wide). The porch’s second story is fully enclosed. Windows in the house are replacement vinyl one-over-one sash windows (see discussion below). The applicant proposes to demolish the existing porch, construct an addition on the rear of the house, and proposes to replace several of the sash windows.

Rear Porch Demolition and Rear Addition Construction (HAWP #1100880)

The rear porch is shown as a single story in the 1927 Sanborn Fire Insurance Map (see *Figure 2*, below). While its footprint may be unchanged from its original construction, Staff finds the porch has been heavily modified by enclosing it on the first floor and adding a second story (the 1959 Sanborn Map also shows the rear porch as a single story). Staff supports the demolition of the rear porch based on its loss of integrity and its limited visibility from the public-right of-way, per the *Design Guidelines* and 24A-8(d).

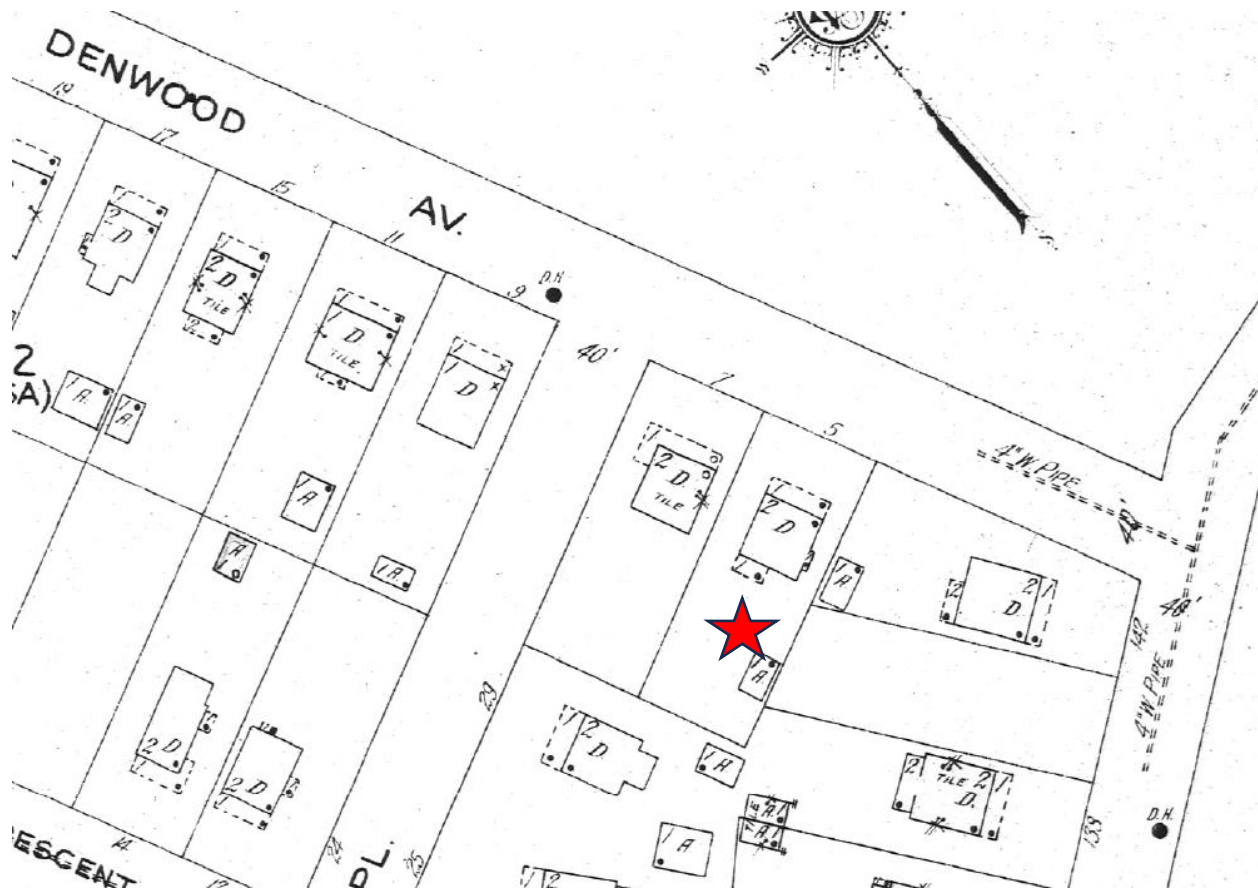


Figure 2: 5 Philadelphia Ave. is shown with a 1-story rear porch in the 1927 Sanborn Map.

The proposed addition at the rear of the house is two stories measuring 26' × 23' 6" (twenty-six feet deep by twenty-three feet, six inches wide). The addition steps down to a single story 11' 2" (eleven feet two inches) to the rear, covered by a hipped roof with an offset rear gable. The addition will be inset by 6" (six inches) on both the left and right elevation. Identified materials for the addition include a parged and painted CMU foundation, fiber cement siding in a 7" (seven inch) reveal, aluminum-clad wood windows, a fiberglass rear door, and asphalt shingles. Most of the proposed windows are casements with a check rail to mimic the appearance of a one-over-one sash. The two exceptions are the narrow fixed window on the left elevation toward the rear and the large multi-light fixed window on the rear elevation. The gutters will be aluminum K-style and match the existing gutters and downspouts. A small rear stoop with composite decking and railing is proposed for the southeast corner of the addition.

The design of the proposed rear addition is generally consistent with the presentation at the February 2025 Preliminary Consultation. Changes made to the design include a slightly enlarged offset – from 4" (four inches) to 6" (six inches); changing the form of the roof over the one-story portion of the addition from a shed roof to a hipped roof; installing two window openings on the addition's left elevation; and changing the window material from vinyl to aluminum-clad wood. These changes were made in response to comments made by the HPC at the Preliminary Consultation.

Staff finds the design of the proposed addition is generally compatible with the character of the house and surrounding district. Staff finds the lower rear hipped roof is a more compatible form and that this roof form slightly narrow the massing from the originally proposed shed roof. While the HPC typically requires a 1' (one foot) inset for rear additions, a majority of the commissioners present at the February Preliminary Consultation found that the proposed 4" (four inch) inset was not sufficient to differentiate

the proposed from the new construction, but that a full foot was not necessary as the massing and siding difference would help to differentiate the new construction from the historic. Staff finds the design and size of the proposed addition are generally consistent with the HPC's feedback and Staff recommends the HPC approve the size and design under 24A-8(b)(2) and (d); the *Design Guidelines*; and *Standards #2, 9, and 10*.

Staff finds most of the proposed materials are generally compatible with the character of the house and surrounding district and are consistent with the HPC's guidance for building additions and new construction in the Takoma Park Historic District. The parged CMU foundation's appearance will closely match the existing poured-in-place concrete foundation. Fiber cement clapboards have been consistently approved for new construction in the historic district, provided they are installed with the smooth side facing out. Asphalt shingles, whether three-tab or architectural, are compatible with the character of the subject property and should be approved as a matter of course. The revised proposal for aluminum-clad wood windows is a substantial improvement as the HPC has consistently found aluminum-clad wood windows have the dimensional depth and finish to be appropriate substitutes for wood windows on additions and new construction in the Takoma Park Historic District. Staff finds the proposed materials are consistent with 24A-8(b)(2) and (d); *The Design Guidelines*, and *Standards #2, 9, and 10*.

The notes on the proposed elevations show the rear deck and railing will be 'composite' but does not provide a specific material. Under the HPC's ADOPTED POLICY FOR THE APPROPRIATENESS OF SUBSTITUTE MATERIALS FOR PORCH AND DECK FLOORING, porch and deck material for new porches on the rear of Contributing Resources may install 'substitute materials' that do not satisfy the requirements of the characteristics of 'compatible substitute materials.' Because this aspect of the policy is so permissive, Staff recommends the HPC add a condition that the approval of this HAWP requires that final permit drawings must identify the specific decking and railing material and designs and delegate final approval authority to Staff. With the recommended condition, Staff finds the proposed rear deck is consistent with 24A-8(b)(2) and (d); *The Design Guidelines*, and *Standards #2, 9, and 10*.

Retroactive Window Replacement (HAWP #1106307)

In 2014, shortly after the owners purchased the subject property, they removed all of the historic wood windows and replaced them with one-over-one sash windows. The narrative accompanying the HAWP application indicate that concerns over lead hazards and overall functionality were the reasons for the replacement. Staff was only able to identify the windows in an internet-archived property sales listing. The photos clearly show the window sashes as being wood, but are not detailed enough to provide any information about the condition of the windows. Staff has no doubts about the presence of lead in the windows, as they appear to be original to the house. The window replacement appears to include the basement level windows on the left and right elevation. Staff finds that because those below grade windows have less impact on the overall architectural character of the house, and because the material will be more resistant to rot in what is typically a damp part of the house, the HPC approve the vinyl basement windows under 24A-8(d).

The applicant proposes to replace only the seven windows on the front elevation at this time and to replace the remaining windows as necessary. The applicant provided three windows from Jeld-Wen for the HPC's consideration. One is a full wood window and two are clad wood windows. Staff finds only the all-wood window is appropriate in this instance and that all of the windows on the three elevations should be replaced for the reasons outlined below.

The windows installed in the historic openings are OKNA DH5000 double hung vinyl windows. These windows suffer from the same characteristics that make vinyl replacement windows incompatible with most of the buildings in the Takoma Park Historic District. The profiles of the window construction is much narrower than a deeper wood (or even wood-clad) window, the window finish has not dulled over

time and retains its overly shiny appearance, and—because the new windows were designed to fit within the existing frames—the overall amount of glazing has been reduced by the blocked in window frames. Staff does not find the installed window to be compatible with the character of the house or surrounding historic district; finding they contravene 24A-8(b)(2); *Standards #2, 5, and 6*, and the *Design Guidelines*.



Figure 3: Photo showing the dining room of the subject property in the 2014 sales listing.

There have been a few selective instances where the HPC has considered the removal of historic windows to Contributing Resources in the Takoma Park Historic District. Most recently at 7417 Maple Ave., the HPC approved the replacement of several of the existing windows, but required the new windows to match the dimensions, profiles, and materials of the historic wood windows. Because the original windows were extant, replicating those dimensions was relatively straightforward and easily verified. In this instance, determining the dimensions of the historic windows is not possible. However, the windows at the subject property are more simply designed one-over-one sash windows as opposed to the six-over-one sashes at 7417 Maple Ave.

The HPC was reluctant to allow the owners of 7417 Maple Ave. replace the historic wood windows on their house because allowing the removal and replacement of historic fabric, particularly when that fabric is in good working order, contravenes most historic preservation best practices. Traditional wood window sashes can be removed from their jambs, repaired, stripped of their paint, and reinstalled in their jambs with an improvement in operability and energy performance. The repair does not completely remove lead from the windows, but does encapsulate an overwhelming majority of the lead below the painted surface substantially reducing the threat of lead poisoning indoors. The HPC rarely allows lead concerns to provide the sole justification to remove historic wood windows.

Another instance where the HPC had to consider new wood windows in the Takoma Park Historic District was at 402 Tulip Ave.¹ In that case the original wood windows were removed without HPC approval as part of a whole house rehabilitation. The applicant proposed to install sash packs (new window sashes with jamb liners installed in the existing jambs) instead of full window and jamb replacements. Even though the sashes were wood, the HPC was concerned about the appearance of the exposed vinyl in the jamb liners and required the applicant to install a paintable trim piece in the exposed jamb liner so there was no exposed raw vinyl in the window openings (see page 22 of the linked Staff Report and Application, below). While this situation was far from ideal, all 17 (seventeen) of the replacement windows were wood and had no visible vinyl components.

Regardless of the reason the windows were removed in the first place, the HPC has two areas of consideration for the window replacement: 1) is one of the proposed windows an appropriate replacement and 2) what level of mitigation is appropriate in this instance?

Staff finds that the only the wood window is an appropriate replacement for the removed historic wood windows. While the finish and profiles of an aluminum-clad wood window are close enough of a match for a house addition or new construction in the Takoma Park Historic District, that is not the case in the historic house where much of the historic fabric and appearance remain (Staff notes the asbestos siding covers the original pebble dash stucco, but most other historic fabric remains). Additionally, Staff does not recommend the HPC act punitively, but purely as a matter of policy does not find it is appropriate that the HPC approve what the *Design Guidelines* refer to as a ‘non-original building material’ simply because the applicant already removed the historic fabric. Staff recommends the HPC approve the Jeld-Wen custom wood double hung sash windows. As this will be a custom window, final dimensions and profiles will need to be developed, and Staff recommends the HPC delegate final review and approval authority to Staff for those details.

The applicant proposes to replace only the windows on the front elevation of the subject house. Those windows include three windows on the first floor, two windows on the second floor, and a pair of windows in the front- gable dormer. The applicants’ proposal would retain the other vinyl windows (five on the right side and six on the left) until the seals on the windows fail and they need to be replaced. Staff finds that the large opening to the left of the house makes that elevation highly visible from the right-of-way. While the left elevation is less visible from the right-of-way, all of the replacement windows are visible from the right side of the house. Staff finds that all of the windows on the front, left, and right elevation contribute to the character of the house and need to be replaced under 24A-8(b)(1) and (2); *Standards #2, 5, and 6*; and the *Design Guidelines* and recommends the HPC require the replacement of all 18 (eighteen) sash windows.

The HPC could find the left and right elevations are of secondary importance and, understanding the replacement windows have been installed for ten-and-a-half years, allow the applicant to retain those windows under 24A-8(d). Even though these windows include a lifetime limited warranty, it has been Staff’s experience that most vinyl window seals fail after 15 – 25 years depending on location and window orientation. The HPC could render findings of fact to allow the applicant to retain these windows for several more years and then they could be replaced as needed. If the HPC reaches this conclusion, Staff recommends the HPC add a condition that states any vinyl window may not be replaced in-kind and any window removal and replacement requires a HAWP and must match the specifications of the wood windows proposed in this application. This ensures that any window installed in the historic openings are compatible with the character and materials of the historic house.

¹ The Staff Report for the 2019 window replacement at 402 Tulip Ave., Takoma Park is available here: <https://montgomeryplanning.org/wp-content/uploads/2019/10/I.B-402-Tulip-Avenue-Takoma-Park.pdf>.

STAFF RECOMMENDATION

Staff recommends that the Commission **approve with three (3) conditions** the HAWP application, with final approval delegated to staff:

1. The proposed fiber cement siding must be installed with the smooth side facing out. The final HAWP drawings must include that notation;
2. The rear deck and railing material specification must be identified and submitted with the final HAWP drawings; and
3. All 18 (eighteen) vinyl windows must be removed and replaced with the identified custom Jeld-Wen wood windows;

under the Criteria for Issuance in Chapter 24A-8(b)(1), (2), and (d), having found that the proposal will not substantially alter the exterior features of the historic resource and is compatible in character with the district and the purposes of Chapter 24A, with the approved *Guidelines*;

and with the *Secretary of the Interior's Standards for Rehabilitation* #2, 5, 6, 9, and 10;

and with the ADOPTED POLICY FOR THE APPROPRIATENESS OF SUBSTITUTE MATERIALS FOR PORCH AND DECK FLOORING (Policy No. 24-01);

and with the general condition that the applicant shall present an electronic set of drawings, if applicable, to Historic Preservation Commission (HPC) staff for review and stamping prior to submission for the Montgomery County Department of Permitting Services (DPS) building permits;

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# 1100880
DATE ASSIGNED _____

APPLICATION FOR HISTORIC AREA WORK PERMIT

HISTORIC PRESERVATION COMMISSION
301.563.3400

APPLICANT:

Name: _____ E-mail: _____
Address: _____ City: _____ Zip: _____
Daytime Phone: _____ Tax Account No.: _____

AGENT/CONTACT (if applicable):

Name: _____ E-mail: _____
Address: _____ City: _____ Zip: _____
Daytime Phone: _____ Contractor Registration No.: _____

LOCATION OF BUILDING/PREMISE: MIHP # of Historic Property _____

Is the Property Located within an Historic District? Yes/District Name _____
 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. N/A

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. N/A

Building Number: _____ Street: _____

Town/City: _____ Nearest Cross Street: _____

Lot: _____ Block: _____ Subdivision: _____ 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:

- | | | |
|---|--|--|
| <input type="checkbox"/> New Construction | <input type="checkbox"/> Deck/Porch | <input type="checkbox"/> Shed/Garage/Accessory Structure |
| <input type="checkbox"/> Addition | <input type="checkbox"/> Fence | <input type="checkbox"/> Solar |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Hardscape/Landscape | <input type="checkbox"/> Tree removal/planting |
| <input type="checkbox"/> Grading/Excavation | <input type="checkbox"/> Roof | <input type="checkbox"/> Window/Door |
| | | <input type="checkbox"/> 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.

Spurge Eisner
Signature of owner or authorized agent _____ Date _____

HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFYING
[Owner, Owner's Agent, Adjacent and Confronting Property Owners]

Owner's mailing address	Owner's Agent's mailing address
Adjacent and confronting Property Owners mailing addresses	

Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property: **NOTE - Please see full Property Description attached.**

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

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:

Nail/Starr Property
5 Philadelphia Ave.
Takoma Park, MD 20912

Property Description

This property consists of 5,550 SF of land with a 2-story house built in 1923 and a shed/garage located at the rear left corner of the property. There are no significant topographical changes/fluctuations on the lot. The existing house has a deep front porch across the entire front entry facade with an open, decorative dormer at the step location which is repeated at the upper dormer window. The left side elevation has an extension for a fireplace chimney and a box bay window. The right side elevation is straight with no projections and has several windows and a side entry door. The driveway is on the left side of the property and runs to the shed/garage at the rear. There is a 3'-4' high wood fence from the rear left corner of the house to the rear property line. A 6' wood fence runs at the rear property line. A 3'-4' wood fence on the right side of the house is positioned just behind the front porch and runs to the side property line where it meets a chain link fence at 7 Philadelphia Ave. A slate/block walkway goes from the right side door to a rear patio. The existing rear entry area projects 8' +/- from the rear facade with wooden steps down to the existing slate/block patio. An evergreen hedge separates the side backyard area from the patio with the remaining rear yard open and grassy. Three tall, aged evergreens align across the front porch with a mulched/planted bed and grassy areas. Sidewalks run from the roadway walk to the front porch and from the front porch steps to the driveway with low shrubbery along the driveway.



**APPLICATION FOR
HISTORIC AREA WORK PERMIT**
HISTORIC PRESERVATION COMMISSION
301.563.3400

FOR STAFF ONLY:
HAWP# _____
DATE ASSIGNED _____

APPLICANT:

Name: James Nail & Brittany Starr
Address: 5 Philadelphia Ave
Daytime Phone: 202.841.3635; 225.772.5759

E-mail: brittanynicolestarr@gmail.com;
jrmail23@gmail.com
City: Takoma Park Zip: 20912
Tax Account No.: 13-01061696

AGENT/CONTACT (if applicable):

Name: Ranwa Nourieh
Address: 4125 Lafayette Center Dr., Suite 100
Daytime Phone: 301.642.9096

E-mail: rnourieh@mossbuidinganddesign.com
City: Chantilly, VA Zip: 20151
Contractor Registration No.: MHIC Lic # 92782

LOCATION OF BUILDING/PREMISE: MIHP # of Historic Property 37/03

Is the Property Located within an Historic District? Yes/District Name Takoma Park Historic District
 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: 5 Street: PHILADELPHIA AVE
Town/City: TAKOMA PARK Nearest Cross Street: CARROLL AVE.
Lot: P16 Block: 2 Subdivision: 0025 Parcel: 0000

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:

- | | | |
|---|--|--|
| <input type="checkbox"/> New Construction | <input type="checkbox"/> Deck/Porch | <input type="checkbox"/> Shed/Garage/Accessory Structure |
| <input type="checkbox"/> Addition | <input type="checkbox"/> Fence | <input type="checkbox"/> Solar |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Hardscape/Landscape | <input type="checkbox"/> Tree removal/planting |
| <input type="checkbox"/> Grading/Excavation | <input type="checkbox"/> Roof | <input checked="" type="checkbox"/> Window/Door |
| | | <input type="checkbox"/> 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.

Brittany Starr

03.04.2025

Signature of owner or authorized agent

Date

HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFYING
 [Owner, Owner's Agent, Adjacent and Confronting Property Owners]

<p>Owner's mailing address</p> <p>James Nail & Brittany Starr 5 Philadelphia Ave Takoma Park, MD 20912</p>	<p>Owner's Agent's mailing address</p> <p>Ranwa Nourieh 4125 Lafayette Center Dr., Suite 100 Chantilly, VA 20151</p>
<p align="center">Adjacent and confronting Property Owners mailing addresses</p>	
<p>7142 Carroll Avenue Takoma Park, MD 20912</p> <p>7140 Carroll Avenue Takoma Park, MD 20912</p>	<p>6 Philadelphia Avenue Takoma Park, MD 20912</p>
<p>7138 Carroll Avenue Takoma Park, MD 20912</p> <p>29 Holt Place Takoma Park, MD 20912</p>	
<p>7 Philadelphia Avenue Takoma Park, MD 20912</p> <p>8 Philadelphia Avenue Takoma Park, MD 20912</p>	

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 consists of 5,550 SF of land with a 2-story house built in 1923 and a shed/garage located at the rear left corner of the property. There are no significant topographical changes/fluctuations on the lot. The existing house has a deep front porch across the entire front entry facade with an open, decorative dormer at the step location which is repeated at the upper dormer window. The left side elevation has an extension for a fireplace chimney and a box bay window. The right side elevation is straight with no projections and has several windows and a side entry door. The driveway is on the left side of the property and runs to the shed/garage at the rear. There is a 3'-4' high wood fence from the rear left corner of the house to the rear property line. A 6' wood fence runs at the rear property line. A 3'-4' wood fence on the right side of the house is positioned just behind the front porch and runs to the side property line where it meets a chain link fence at 7 Philadelphia Ave. A slate/block walkway goes from the right side door to a rear patio.

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

In May of 2014, we purchased 5 Philadelphia Avenue. Soon after moving in, we discovered that the windows were in very poor condition - they didn't close properly - leaving our home exposed to the elements, critters, and the noise from the busy intersection of Carroll and Philadelphia. More concerning, we learned that the deteriorating windows were leaving lead dust residue on the windowsills and flooring. We replaced the windows in July 2014-the very day we brought our newborn daughter home from the hospital.

As new homeowners in Takoma Park and first-time parents, we were unaware that a formal process was required for this work; however, given the similarity of the before and after photos, we hope our desire to respect the character of the historic neighborhood is evident.

We have subsequently come to know that the vinyl windows we had installed in 2014 are not the preferred replacement window in this historic district.

We come before you now requesting your approval to replace the vinyl windows with one of these Jeld-Wen double hung wood windows:

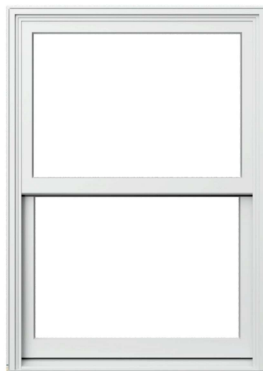
Custom Wood

Double-Hung



Siteline® Clad-Wood

Double-Hung Pocket



Siteline® Clad-Wood

Double-Hung



At this time, we propose to replace the front of the house only, with the remaining vinyl windows being replaced over time. This is what we believe is feasible at this time.

We greatly appreciate the commission's consideration.

Work Item 1: _____	
Description of Current Condition: Vinyl Replacement Windows were installed in 2014	Proposed Work: This application is for approval of existing condition

Work Item 2: _____	
Description of Current Condition:	Proposed Work:

Work Item 3: _____	
Description of Current Condition:	Proposed Work:

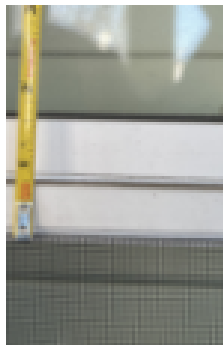
BEFORE --- 2014 ORIGINAL WINDOWS



AFTER --- CURRENT VINYL WINDOWS - INSTALLED IN 2014



THE FOLLOWING SHEETS DESCRIBE
THE EXISTING VINYL WINDOWS
INSTALLED IN 2014



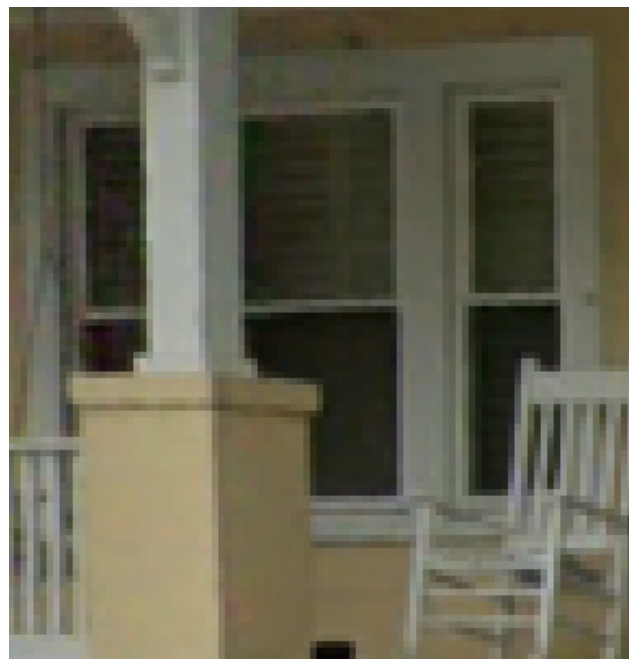
DOUBLE HUNG | DH500

The Insul-Tec combines excellent craftsmanship with a traditional look and feel. This series offers all the benefits you come to expect from vinyl windows with a variety of options to make your home energy efficient while enhancing its beauty. Since all OKNA products are custom-made, you can be sure of a perfect fit, which translates to savings on time and labor during installation.



DOUBLE HUNG | DH500

- ◆ uPVC fusion welded beveled frame & sash for strength and durability.
- ◆ HeatSeal® warm edge spacer system for excellent thermal efficiency and drastic reduction in the possibility of condensation on the inside of the window.
- ◆ Full integral interlock with double weatherstripping. Heavy gauge fully extruded handle on bottom sash.
- ◆ Fiberglass mesh half screens standard on all windows.
- ◆ Available in Replacement and New Construction applications.





Lifetime Limited Warranty

Vinyl Frame And Sash Members

The vinyl extrusions and vinyl components used in the windows and doors are warranted to be free from defects that might result in blistering, peeling, flaking, corroding, and fading of the window or door for as long as you own your home. This warranty is fully transferable to the next homeowner.

- Factory painted standard or custom colors are warranted for a period of ten years.

Insulated Glass

OKNA Windows Corp. warrants that the insulated glass units, including internal grids, will be free from obstruction between the glass, including film formation, including moisture on the internal glass surfaces caused by seal failure and including small marks, dust, and scratches. This Warranty is fully transferable to the next homeowner and covers glass imperfections as described in Federal Government Glass Specification DD-04516.

- Condensation may occur on interior and exterior of windows as a natural result of humidity within the house or building area and changes in outside/inside temperature. This does not indicate a manufacturing defect and would not be included in this Warranty.

Hardware

OKNA Windows Corp. warrants that the hardware shall remain in good operating condition, for as long as you own your home. Warranty on hardware is also fully transferable to the next homeowner.

- Specified Metal hardware for coastal applications is limited to a ten year warranty.

Exclusions and Limitations

The following are excluded from coverage under this Warranty:

A. Any damage caused by wind, hail, lightning or other acts of God, intentional acts, accidents, negligence, or exposure to harmful chemicals or pollutants. This warranty excludes damage related to harsh or corrosive cleaning products, application of paints (non factory applied), and uniform fading or color change due to weathering. **B.** Any damage or malfunction caused by improper handling or installation of the windows, or any damage to the windows or components of the windows caused by settlement or structural defects of the building in which they are installed. **C.** Any defect, malfunction or failure to perform, which has occurred because of unreasonable use, improper application or failure to perform reasonable or necessary maintenance - see section " Maintenance & Cleaning." **D.** Any window, which has been repaired or attempted to have been repaired or modified by any person other than an authorized representative of OKNA Windows Corp. **E.** OKNA Windows Corp. liability is limited solely and exclusively to repair or replace, at the discretion of OKNA Windows Corp. and under no circumstances will OKNA Windows Corp. be liable for incidental or consequential charges such as, but not limited to, labor cost for any purpose, inconvenience, damage, or injury to persons or to property or any other expense.

Procedure And Conditions Of Warranty Remedy

The Owner must notify the Dealer/Distributor within thirty days after the defect has first appeared. OKNA reserves the right to inspect any window or door that a warranty claim has been made. Such notification must contain the following:

A – Name and Address of the Owner. B – Date of Installation. C – Description of the Defect.

If a product meets requirements of this limited warranty, OKNA Windows will at its option, supply replacement parts or product. Labor or reinstallation costs are not covered by this limited warranty.

Commercial Application

OKNA products installed in a building operated as a multi-family dwelling or used for commercial purposes or rental properties such as schools, churches, apartment complexes, government owned structures, etc. will limit this Warranty to ten years.

Product Changes

OKNA Windows Corp. reserves the right to discontinue or change any of its products or the parts utilized in any of its products at its sole discretion. If any window product or component originally installed in the building is not available at the time of any claim by you under this Warranty, OKNA Windows Corp. reserves the right to substitute any other model or component as a replacement. During warranty period replacement parts will be supplied at no charge to dealer upon return of defective part.

Maintenance & Cleaning

A mild solution of household cleaner such as liquid dishwashing detergent may be used to clean windows. Do not use harsh abrasives. This Warranty shall be null and void if harmful solvents are used.

Dealer's Name _____ Date Of Installation _____

06212010

Windows on Washington
 23465 Rock Haven Way, Suite 120
 Dulles, VA 20166

(703)378-1190
 customerservice@windowsonwashington.net
 www.windowsonwashington.net



Invoice

Date	Invoice No.
06/17/2014	1411
Terms	Due Date
Due on receipt	06/17/2014

Bill To
Starr, Brittany 5 Philadelphia Avenue Takoma Park, MD 20912

PAID

Balance Due	Enclosed
\$0.00	

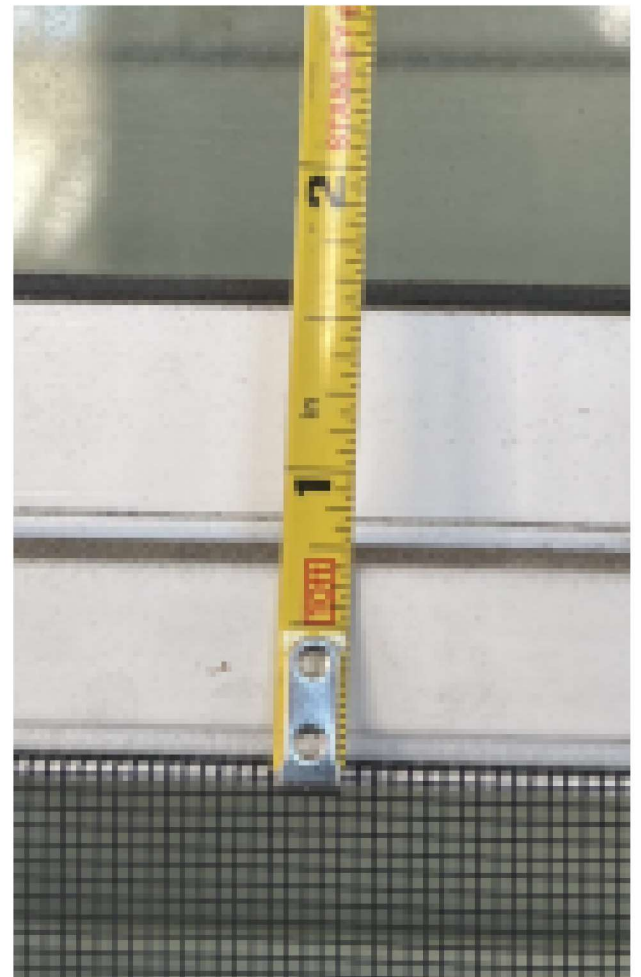
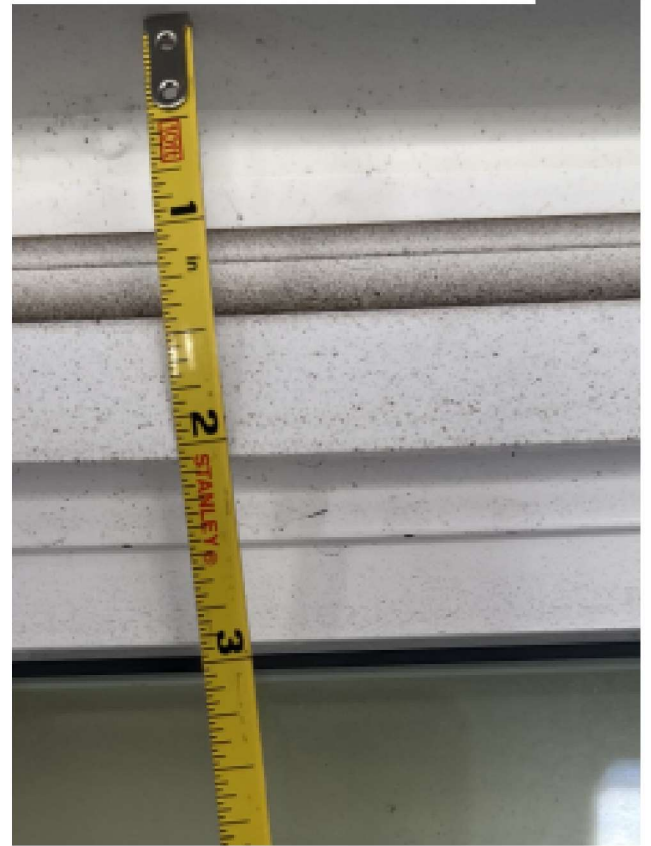
Please detach top portion and return with your payment.

Service	Activity	Quantity	Rate	Amount
Windows	• Okna 500 Series Windows with Energy Saving Package	18		
Discount	• Discount-Website	1		
Discount	• Discount-Coupon Match	1		
Lead Safe Install	• Lead Safe Procedures for Installation (Discount by 50%. Usual price is \$120/window)	18		

Thank you for your business!

Total	
Payment	
Balance Due	\$0.00

DIMENSIONS OF EXISTING VINYL WINDOWS



THE FOLLOWING SHEETS DESCRIBE
THE PROPOSED
REPLACEMENT WINDOWS
TO BE INSTALLED ON THE FACADE

PROPOSED REPLACEMENT WINDOWS ON FACADE. EXACT SELECTION TO BE DETERMINED WITH APPROVAL OF COUNCIL FOR HISTORIC PRESERVATION.



<https://jeld-wen.com/en-us>

Compare Models

Which model is right for you? See how they compare below.

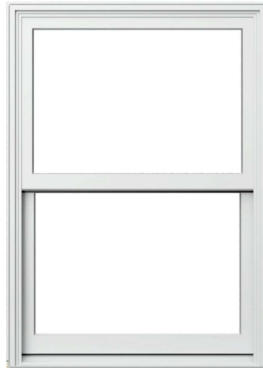
Custom Wood
Double-Hung



Both the upper and lower sash slide open vertically and tilt in for easy cleaning. Built with AuraLast® pine and available with our widest range of customization options.

[HTTPS://JELD-WEN.COM/EN-US/PRODUCTS/WINDOWS/CUSTOM-WOOD/DOUBLE-HUNG](https://jeld-wen.com/en-us/products/windows/custom-wood/double-hung)

Siteline® Clad-Wood
Double-Hung Pocket



Our signature double-hung window, featuring concealed jamb liners that provide a uniform look, with a pocket frame that makes installation quick and easy. Built with AuraLast® pine, with extensive options for colors, finishes, grilles and glass.

[HTTPS://JELD-WEN.COM/EN-US/PRODUCTS/WINDOWS/CLAD-WOOD/DOUBLE-HUNG-POCKET](https://jeld-wen.com/en-us/products/windows/clad-wood/double-hung-pocket)

Siteline® Clad-Wood
Double-Hung



Both sash open to bring in more fresh air. Concealed jamb liners provide an architecturally-focused look. Both sash tilt in for convenient cleaning. Built with AuraLast® pine, with extensive options for colors, finishes, grilles and glass.

Hi there! How can I help you today?

[HTTPS://JELD-WEN.COM/EN-US/PRODUCTS/WINDOWS/CLAD-WOOD/DOUBLE-HUNG](https://jeld-wen.com/en-us/products/windows/clad-wood/double-hung)

Model Information

MATERIAL

Wood

Clad-Wood

Clad-Wood

MAINTENANCE LEVEL

Moderate

Moderate

Moderate

WOOD OPTIONS

Alder
AuraLast® Pine
Cherry
Mahogany
Red Oak
Fir
Walnut
White Oak

AuraLast® Pine

AuraLast® Pine
Fir

PRICE RANGE

\$\$\$

\$\$\$

\$\$\$

Features

HARDWARE OPTIONS

2 Locks
1 Additional Hardware Options

1 Locks

1 Locks
1 Additional Hardware Options

HARDWARE FINISH OPTIONS

11 Lock Hardware Finishes

10 Lock Hardware Finishes

10 Lock Hardware Finishes

GLASS OPTIONS

Energy Efficient Glass
Tinted Glass
Textured Glass
Protective Glass

Energy Efficient Glass
Tinted Glass
Textured Glass
Protective Glass

Energy Efficient Glass
Tinted Glass
Textured Glass
Protective Glass

DIVIDED LITES

Grilles Between The Glass
Simulated Divided Lites
Grille Designs

Grilles Between The Glass
Simulated Divided Lites
Grille Designs

Grilles Between The Glass
Simulated Divided Lites
Grille Designs

GRILLE DESIGNS

Colonial Grille
No Grille
Prairie Grille
Top Down Grille

Colonial Grille
No Grille
Prairie Grille
Top Down Grille

Colonial Grille
No Grille
Prairie Grille
Top Down Grille

SCREEN & TRIM OPTIONS

1 Insect Screens
9 Exterior Trim
5 Interior Trim

2 Exterior Trim

3 Insect Screens
3 Exterior Trim

FRAME OPTIONS

Pocket Replacement Window
Block Frame/Replacement
Integral Nailing Fin

Pocket Replacement Window

Block Frame/Replacement
Integral Nailing Fin

Additional Information

WARRANTY

20 Year Warranty

20 Year Warranty

20 Year Warranty

PROJECT TYPE

New construction and replacement

New construction and replacement

New construction and replacement

COASTAL RATINGS

Yes

Yes

Yes

CUSTOM CAPABILITIES

Designs
Glass
Grilles
Impact Options
Shapes
Wood and Clad Hybrid

-

-

**5 PHILADELPHIA AVE.
TAKOMA PARK, MD 20912
ADDITION PROJECT**

MATERIALS LIST

- **Roofing – 30 YR Asphalt Shingle Roofing – Match existing**
- **1x6 PVC Fascia Board – to match existing**
- **New Hardie Siding W/ 7” exposure – Painted to match existing**
- **New 5/4x6 window trim with sill –Aluminum wrapped to match existing**
- **K-Style Aluminum gutter to match existing**
- **8” SQ. PVC column wrap**
- **5/4x8 rake board**
- **New parged and painted CMU foundation wall – to match existing**
- **New 36” high porch composite railing**
- **4 “ PVC corner Board**
- **New Vinyl windows to match existing**

5 Philadelphia Ave.

FRONT ELEVATION



5 Philadelphia Ave.

RIGHT FRONT ELEVATION





5 Philadelphia Ave.

RIGHT ELEVATION

5 Philadelphia Ave.

RIGHT TO REAR ELEVATION



5 Philadelphia Ave.

REAR ELEVATION





5 Philadelphia Ave.

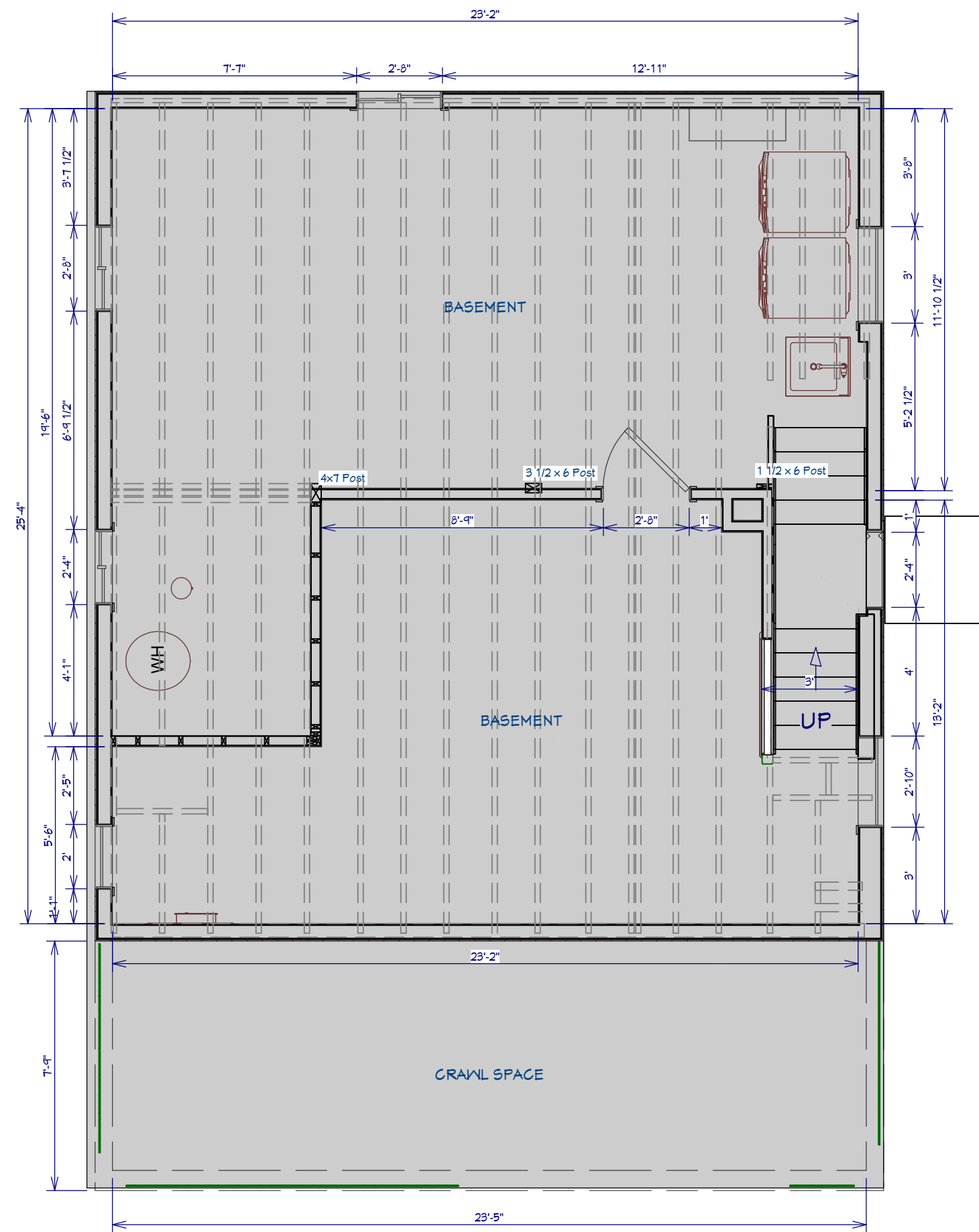
LEFT REAR ELEVATION

5 Philadelphia Ave.

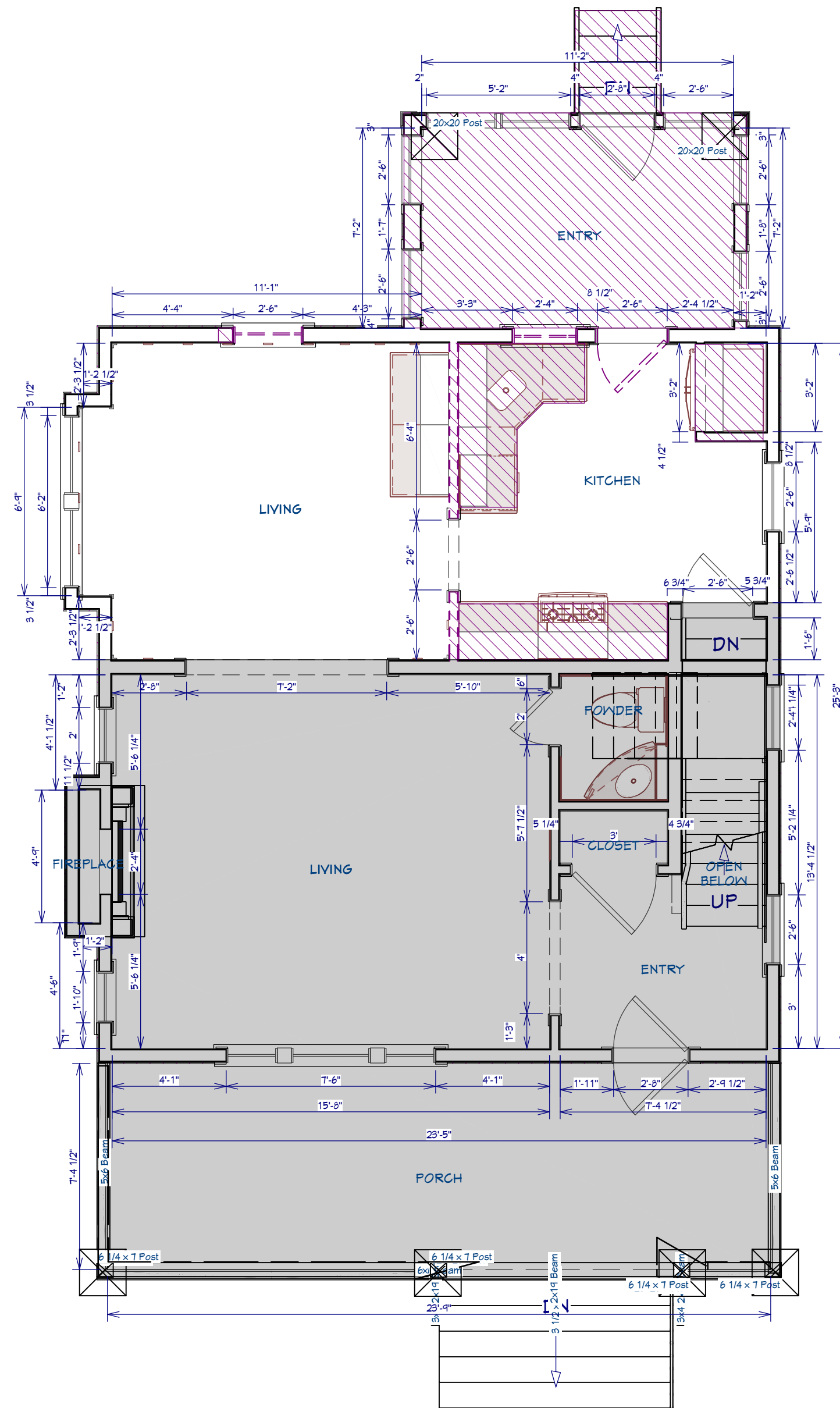
LEFT ELEVATION



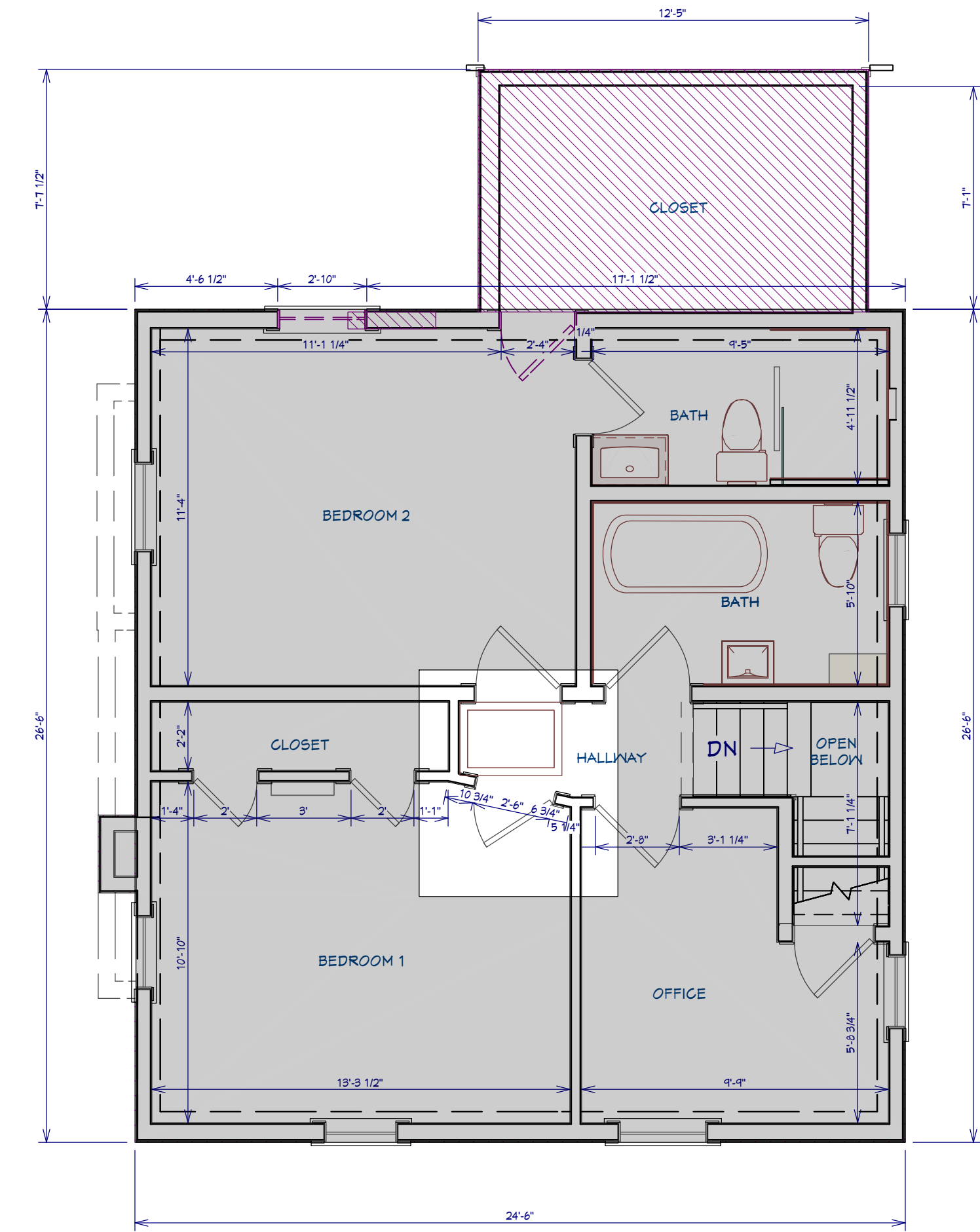
Grayed out area are not in the scope of this project



BASEMENT: AS BUILT + DEMO PLAN
SCALE: 1/4" = 1'-0"

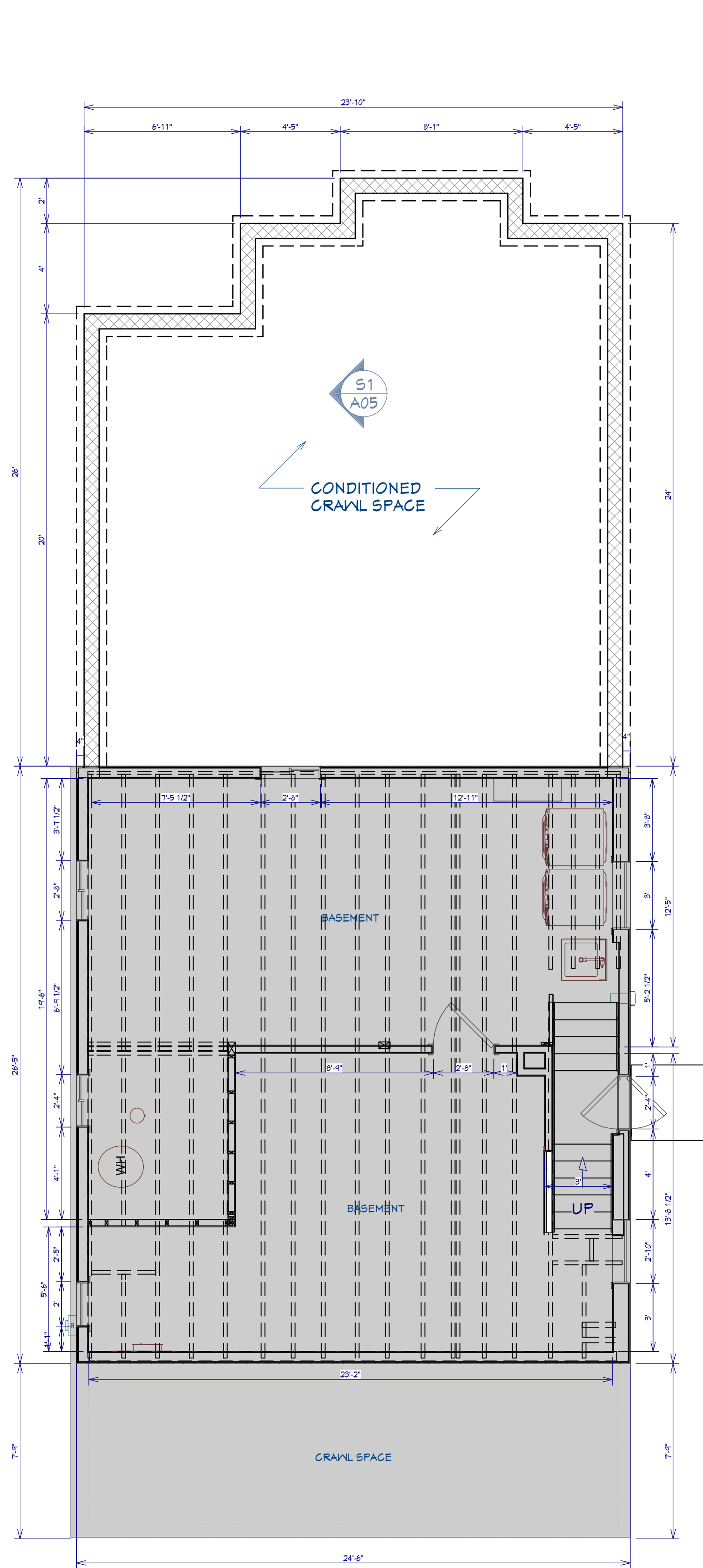


FIRST FLOOR: AS BUILT + DEMO PLAN
SCALE: 1/4" = 1'-0"

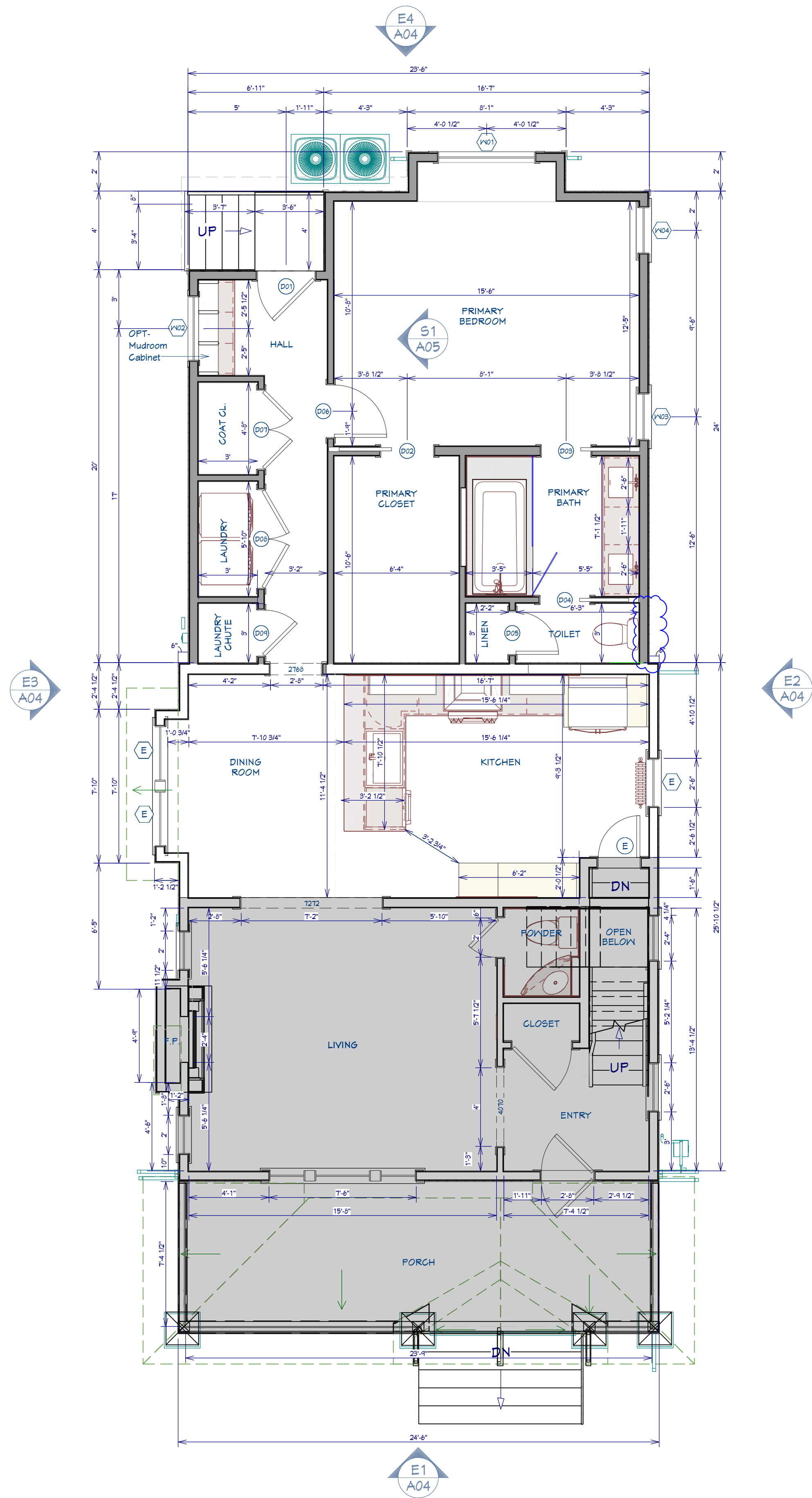


SECOND FLOOR: AS BUILT + DEMO PLAN
SCALE: 1/4" = 1'-0"

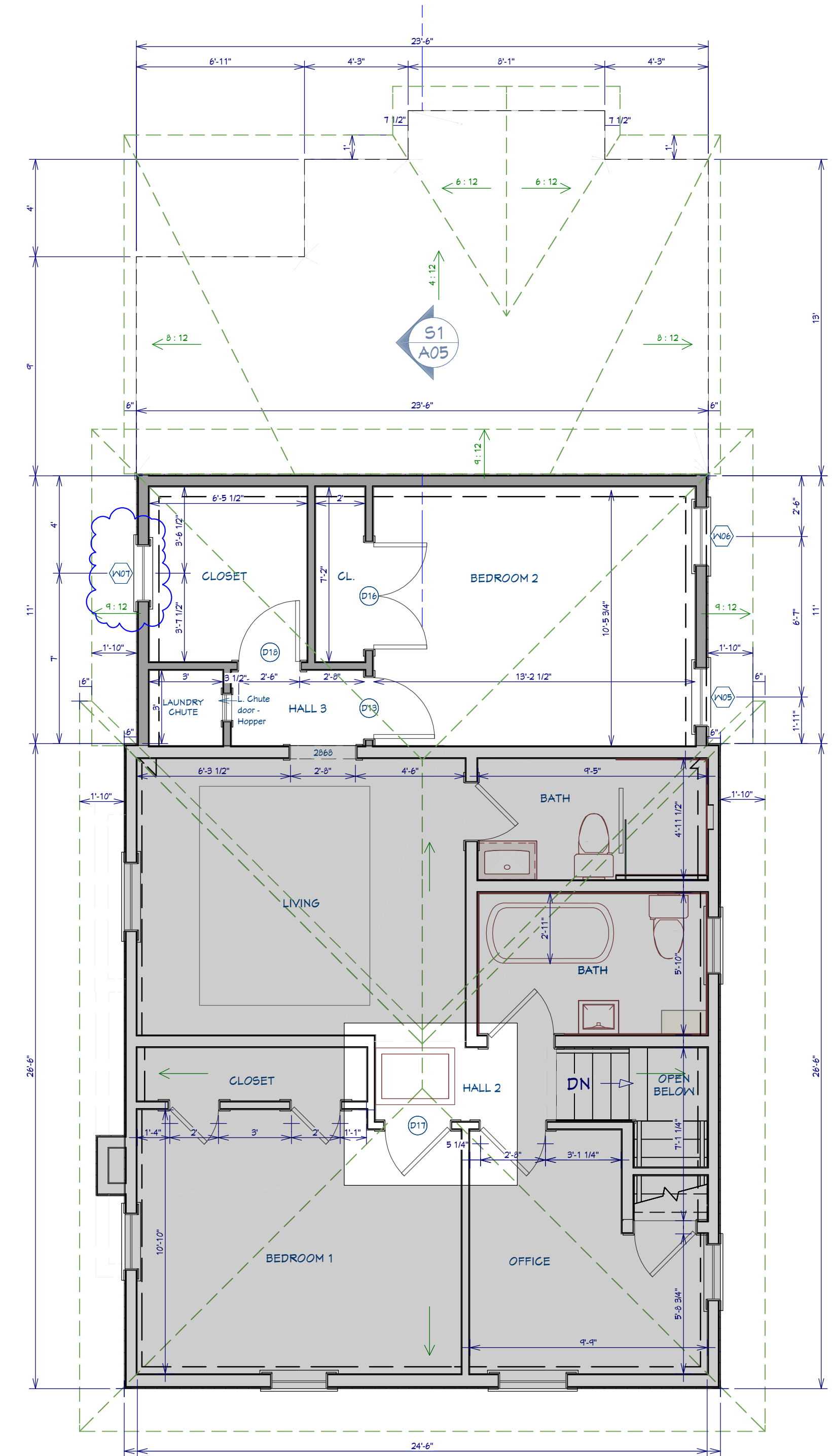
Grayed out area are not in the scope of this project



BASEMENT: PROPOSED
SCALE: 1/4" = 1'-0"



FIRST FL: PROPOSED
SCALE: 1/4" = 1'-0"



SECOND FL: PROPOSED
SCALE: 1/4" = 1'-0"

DATE:

ISSUE RECORD:

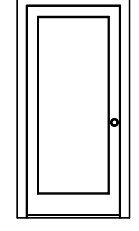
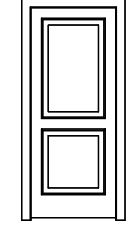
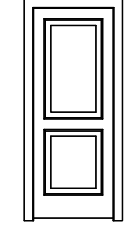
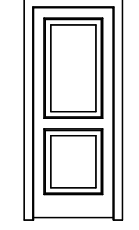
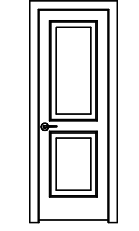
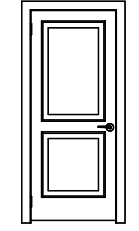
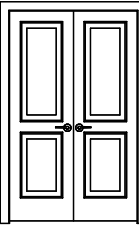
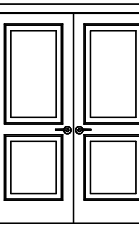
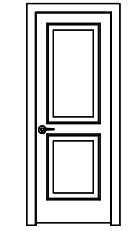
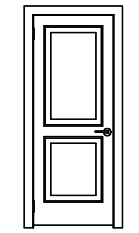
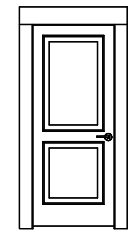
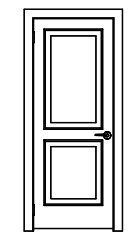
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ISSUE RECORD:
CONCEPT APPROVAL SET

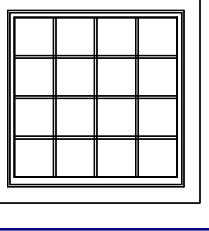
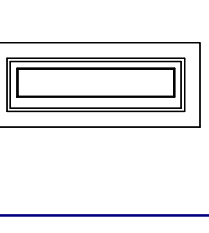
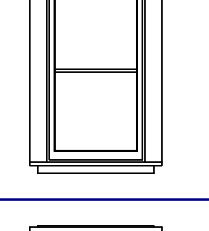
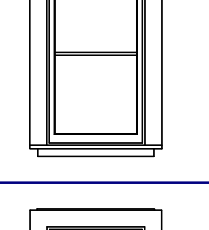
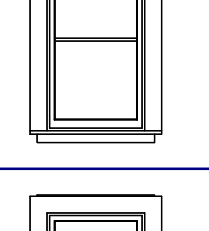
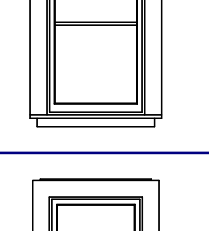
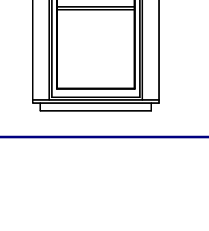
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PLAN DATE
2/28/2025

PAGE
A02

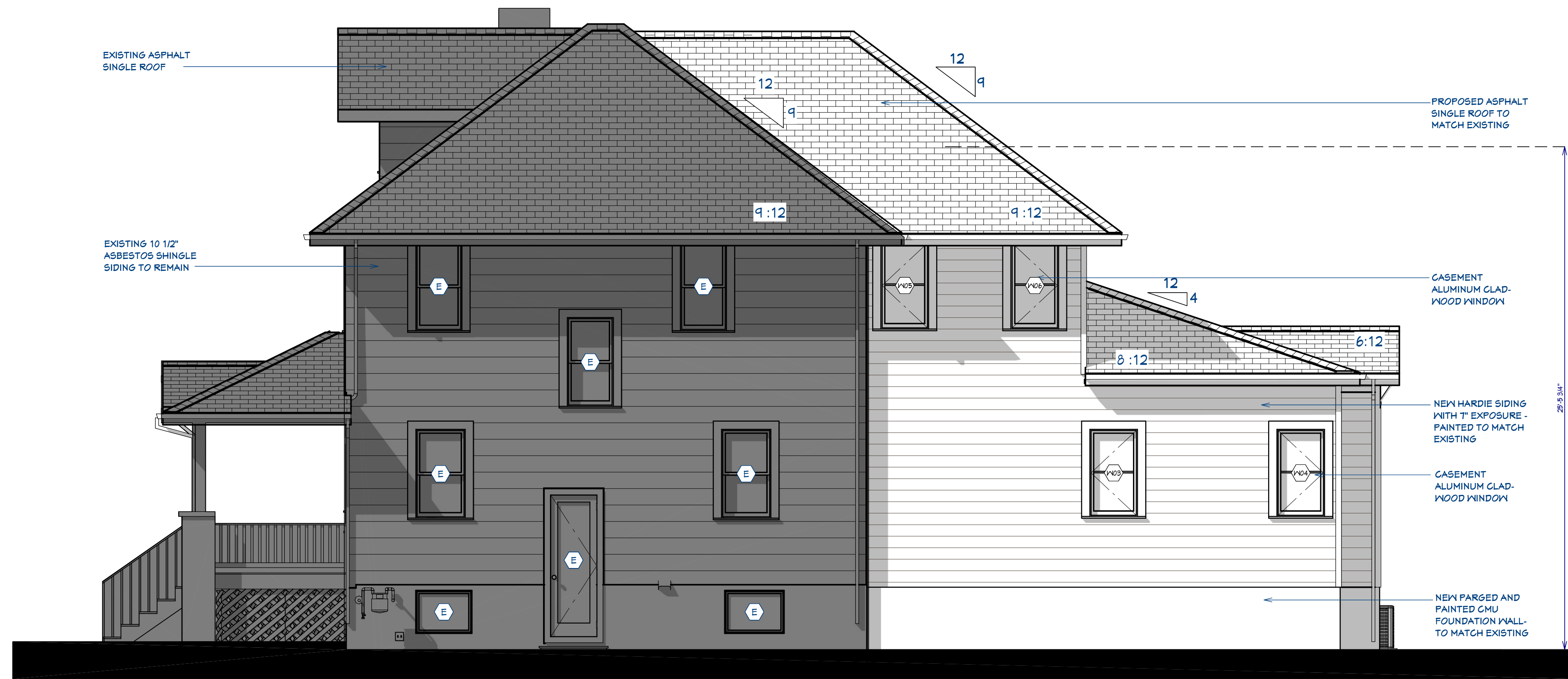
DOOR SCHEDULE								
3D EXTERIOR ELEVATION	QTY	NUMBER	FLOOR	ROOM NAME	LABEL	DIMENSIONS	DESCRIPTION	COMMENTS
	1	D01	1	HALL	21160	35"X80"X2" L EX	EXT. HINGED-GLASS PANEL	
	1	D02	1	PRIMARY CLOSET/ PRIMARY BEDROOM	2660	32"X80"X2" L	POCKET-DOOR P04	
	1	D03	1	PRIMARY BATH/ PRIMARY BEDROOM	2660	30"X80"X2" R	POCKET-DOOR P04	
	1	D04	1	PRIMARY BATH/TOILET	2660	30"X80"X2" L	POCKET-DOOR P04	
	1	D05	1	TOILET/LINEN	2260	26"X80"X2" R IN	HINGED-DOOR P04	
	1	D06	1	HALL/PRIMARY BEDROOM	2660	32"X80"X2" R IN	HINGED-DOOR P04	
	1	D07	1	HALL/COAT CL.	4060	(2) 24"X80"X2" L/R IN	DOUBLE HINGED-DOOR P04	
	1	D08	1	HALL/LAUNDRY	5060	(2) 30"X80"X2" L/R IN	DOUBLE HINGED-DOOR P04	
	1	D09	1	HALL/LAUNDRY CHUTE	2460	28"X80"X2" R IN	HINGED-DOOR P04	
	1	D13	2	HALL 3/BEDROOM 2	2660	30"X80"X2" R IN	HINGED-DOOR P04	
	1	D16	2	CL./BEDROOM 2	4460	(2) 26 1/8"X80"X2" L/R IN	DOUBLE HINGED-DOOR P04	
	1	D17	2	BEDROOM 1/HALL 2	2660	32"X80"X2" L IN	HINGED-DOOR P04	
	1	D18	2	HALL 3/CLOSET	2660	30"X80"X2" R IN	HINGED-DOOR P04	

DOORS SCHEDULE

WINDOW SCHEDULE										
3D EXTERIOR ELEVATION	QTY	NUMBER	FLOOR	ROOM NAME	LABEL	DIMENSIONS	DESCRIPTION	EGRESS	TEMPERED	COMMENTS
	1	W01	1	PRIMARY BEDROOM	5050FX	60"X60"FX	FIXED GLASS		YES	
	1	W02	1	HALL	3410FX	40"X12"FX	FIXED GLASS			
	1	W03	1	PRIMARY BEDROOM	25455C	29"X53"5C	SINGLE CASEMENT-HL	YES		
	1	W04	1	PRIMARY BEDROOM	25455C	29"X53"5C	SINGLE CASEMENT-HR	YES		
	1	W05	2	BEDROOM 2	25455C	29"X53"5C	SINGLE CASEMENT-HL	YES		
	1	W06	2	BEDROOM 2	25455C	29"X53"5C	SINGLE CASEMENT-HR	YES		
	1	W07	2	CLOSET	24465C	28"X54"5C	SINGLE CASEMENT-HL			

WINDOWS SCHEDULE

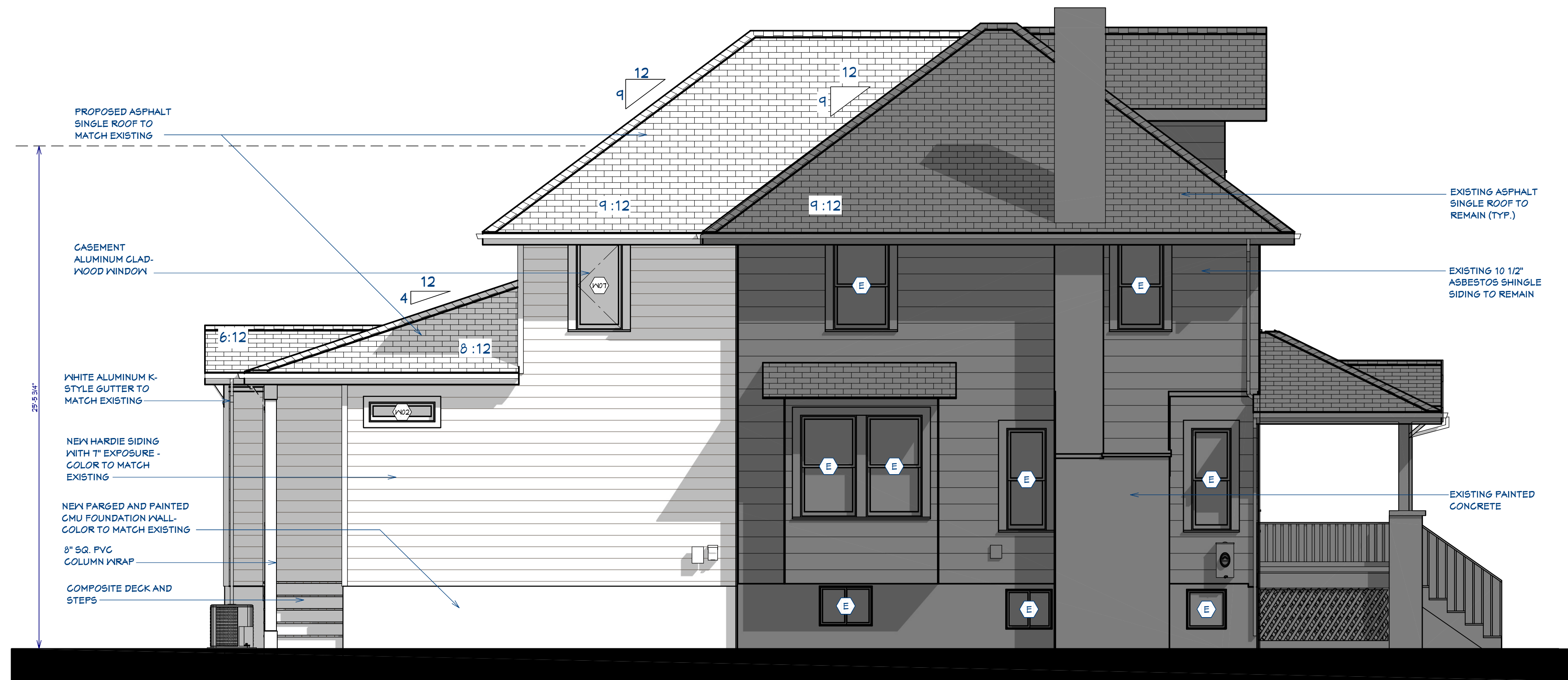
ISSUE RECORD:	DATE:	ISSUE RECORD:	DATE:
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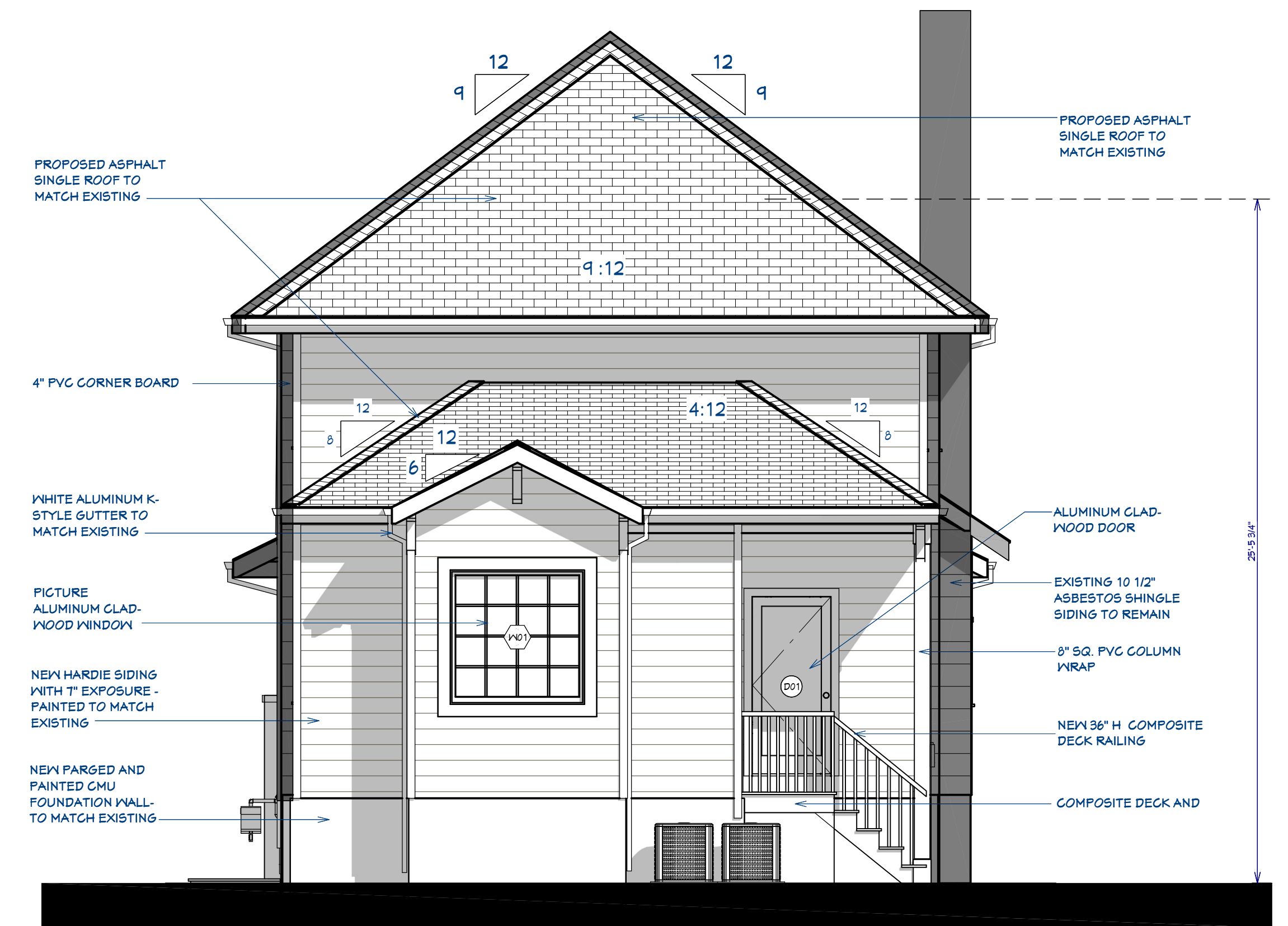
RIGHT ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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

ISSUE RECORD:	DATE:
CONCEPT APPROVAL SET	01/09/2018
ISSUE RECORD:	DATE:
ISSUE RECORD:	DATE:



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

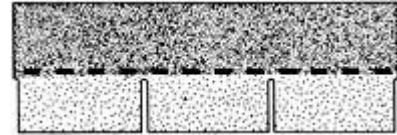
ISSUE RECORD:	DATE:	ISSUE RECORD:	DATE:
CONCEPT APPROVAL SET	06/09/2018		

Standards of Construction drawings are and shall remain the sole property of Moss Building & Design and no other than Moss Building & Design projects shall not be permitted without express written consent from Moss Building & Design. These documents are not to be changed or reproduced in any form.

XT™25 Shingles

PRODUCT INFORMATION

CertainTeed offers a variety of three-tab shingle products that combine exceptional durability with flexibility for better resistance to blow-off. In addition to their suitability for residential applications, these products are ideal for commercial applications. Available in “English” dimensions only – 12" x 36".



XT™ 25 Algae-Resistant (AR) shingles are algae-resistant and help protect against dark or black discoloration, sometimes called staining or streaking, caused by blue-green algae.

Colors: Please refer to the product brochure or CertainTeed website for the colors available in your region.

Limitations: Use on roofs with slopes greater than 2" per foot. Low slope applications (2:12 to < 4:12) require additional underlayment. In areas where icing along the eaves can cause a backup of water, apply CertainTeed WinterGuard® Waterproofing Shingle Underlayment, or its equivalent, according to application instructions provided with the product and on the shingle package.

On slopes greater than 21" per foot, apply a spot of roofing cement under each shingle tab corner according to application instructions provided on the shingle package.

Product Composition: These shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. These shingles have self-sealing adhesive. These are 3-tab shingles.

Applicable Standards:

ASTM D3018 Type I
ASTM D3462
ASTM E108 Class A Fire Resistance
ASTM D3161 Class F Wind Resistance
ASTM D7158 Class H Wind Resistance
UL 790 Class A Fire Resistance

ICC-ES ESR-1389 and ESR-3537
Florida Product Approval # FL5444
Miami-Dade County Product Control Approved
(Product made in Oxford & Shreveport plants only)
Meets TDI Windstorm Requirements

	XT 25 – English
Weight/Square (approx.):	190-203
Dimensions (overall):	12" x 36"
Shingles/Square:	80
Weather Exposure:	5"

INSTALLATION

Detailed installation instructions are supplied on each bundle of strip shingles and must be followed. Separate application sheets may also be obtained from CertainTeed.

Hips and Ridges: Use field shingles of a like color for capping hips and ridges.

MAINTENANCE

These shingles do not require maintenance when installed according to manufacturer's application instructions. However, to protect the investment, any roof should be routinely inspected at least once a year. Older roofs should be looked at more frequently.

WARRANTY

XT 25 AR carry a 25-year limited transferable warranty to the consumer against manufacturing defects when applied to stated CertainTeed application instructions for this product. These AR shingles carry a 10-year algae resistance warranty and 5-year SureStart protection. For specific warranty details and limitations, refer to the warranty itself (available from the local supplier, roofing contractor or on-line at www.certainteed.com).

TECHNICAL SUPPORT

Technical Service Department: 1-800-345-1145
e-mail: RPG.T.Services@saint-gobain.com

FOR MORE INFORMATION

Customer Experience Team: 800-233-8990
e-mail: gethelp@saint-gobain.com
Web site: www.certainteed.com

See us at our on-line specification writing tool, CertaSpec, at www.certainteed.com/certaspec

CertainTeed

20 Moores Road
Malvern, PA 19355

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Specification Sheet

.027 x 11 3/4" – Gutter Coil

.027 x 11 7/8" – Gutter Coil

5K .027" Aluminum Gutter

Listed below are the specifications on the paint, metal preparation, and finished coating for aluminum gutter coil.

- The aluminum used is alloy 3105-H24 which meets the specifications set forth in the "Aluminum Standards and Data 1988" published by the Aluminum Association. The gauge of the aluminum for the gutter is .027, plus or minus .002.
- The surface of the aluminum sheet is thoroughly cleaned and dried to remove residual oils and impurities using a 140°F-160°F hot water solution of potassium hydroxide provided by Henkel Surface Technologies and then applying a chromate or titanium base conversion coating, 1402W or 1455SF by Henkel Surface Technologies.
- A thermo setting polyester enamel is roller coated and baked at high temperatures for the outside coating. The reverse side of the coil, or wash coat, is a thermo setting polyester enamel applied to help resist corrosion and promote formability.
- The color range of the applied finish is .8 mils, plus or minus .2 mils (1.0)
- Made in the USA
- The physical test used on our coated panels includes:

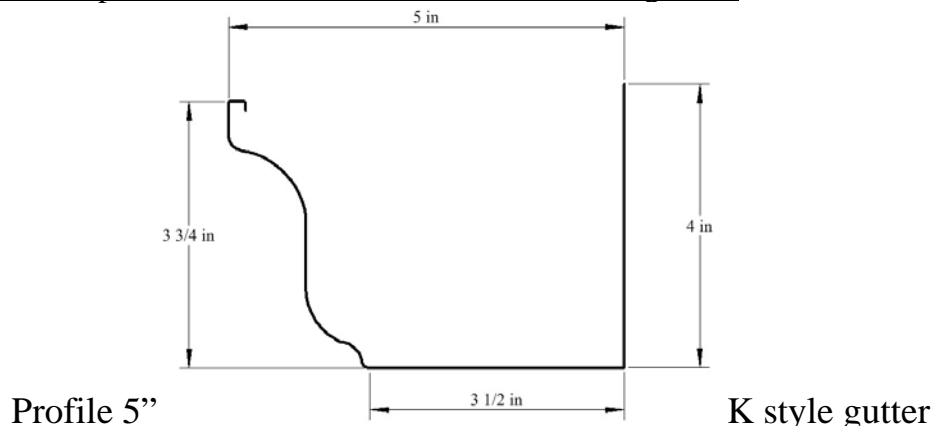
180 degree-2T bend flex test no tape off using Scotch Brand #610 tape (ASTM D-4145-83)

Reverse impact –2 lbs./mil no tape off in positive direction using Scotch Brand #610 tape (ASTM D-4146-83)

Pencil Hardness-F minimum using Eagle Turquoise Brand pencil (ASTM D-3363-92A)

M.E.K. resistance - 100 double rubs using cheesecloth-mesh size 28 x 24 (ASTM D-5402-92)

Dry Heat flexibility – no tape off on 2T bend after 2minutes at 160 degrees F



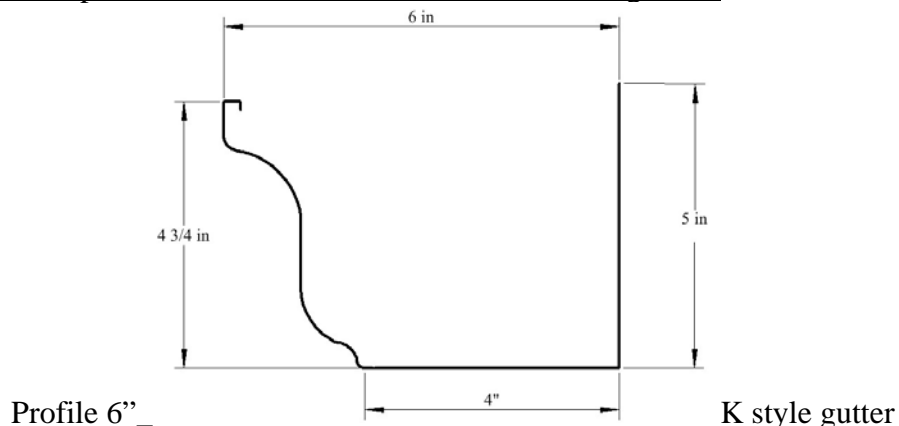
Specification Sheet

.027 x 15" – Aluminum Gutter Coil
6K Aluminum Gutter

Listed below are the specifications on the paint, metal preparation, and finished coating for aluminum gutter coil.

- The aluminum used is alloy 3105-H24 which meets the specifications set forth in the "Aluminum Standards and Data 1988" published by the Aluminum Association. The gauge of the aluminum for the gutter is .027, plus or minus .002.
- The surface of the aluminum sheet is thoroughly cleaned and dried to remove residual oils and impurities using a 140°F-160°F hot water solution of potassium hydroxide provided by Henkel Surface Technologies and then applying a chromate or titanium base conversion coating, 1402W or 1455SF by Henkel Surface Technologies
- A thermo setting polyester enamel is roller coated and baked at high temperatures for the outside coating. The reverse side of the coil, or wash coat, is a thermo setting polyester enamel applied to help resist corrosion and promote formability.
- The color range of the applied finish is .8 mils, plus or minus .1 mils (.7-.9)
- Made in the USA
- The physical test used on our coated panels includes:
 - 180 degree-2T bend flex test no tape off using Scotch Brand #610 tape (ASTM D-4145-83)
 - Reverse impact –2 lbs./mil no tape off in positive direction using Scotch Brand #610 tape (ASTM D-4146-83)
 - Pencil Hardness-F minimum using Eagle Turquoise Brand pencil (ASTM D-3363-92A)
 - M.E.K. resistance - 100 double rubs using cheesecloth-mesh size 28 x 24 (ASTM D-5402-92)

Dry Heat flexibility – no tape off on 2T bend after 2minutes at 160 degrees F



Specification Sheet

.027 x 11 3/4" – Aluminum Gutter Coil
6" Half Round Aluminum Gutter

Listed below are the specifications on the paint, metal preparation, and finished coating for aluminum gutter coil.

- The aluminum used is alloy 3105-H24 which meets the specifications set forth in the "Aluminum Standards and Data 1988" published by the Aluminum Association. The gauge of the aluminum for the gutter is .027, plus or minus .002.
- The surface of the aluminum sheet is thoroughly cleaned and dried to remove residual oils and impurities using a 140°F-160°F hot water solution of potassium hydroxide provided by Henkel Surface Technologies and then applying a chromate or titanium base conversion coating, 1402W or 1455SF by Henkel Surface Technologies.
- A thermo setting polyester enamel is roller coated and baked at high temperatures for the outside coating. The reverse side of the coil, or wash coat, is a thermo setting polyester enamel applied to help resist corrosion and promote formability.
- The color range of the applied finish is .8 mils, plus or minus .2 mils (1.0)
- Made in the USA
- The physical test used on our coated panels includes:
 - 180 degree-2T bend flex test no tape off using Scotch Brand #610 tape (ASTM D-4145-83)
 - Reverse impact –2 lbs./mil no tape off in positive direction using Scotch Brand #610 tape (ASTM D-4146-83)
 - Pencil Hardness-F minimum using Eagle Turquoise Brand pencil (ASTM D-3363-92A)
 - M.E.K. resistance - 100 double rubs using cheesecloth-mesh size 28 x 24 (ASTM D-5402-92)

Dry Heat flexibility – no tape off on 2T bend after 2minutes at 160 degrees F

Specification Sheet

.019 x 10 ½" Aluminum Downspout Coil
2"x 3" Aluminum Downspout

Specifications on the paint, metal preparation, and finish coating for aluminum downspout coil:

- The aluminum used is alloy 3105-H25 which meets the specifications set forth in the "Aluminum Standards and Data 1988" published by the Aluminum Association. The gauge of the aluminum for the pipe is .019, plus or minus .002.
- The surface of the aluminum sheet is thoroughly cleaned and dried to remove residual oils and impurities using a 140°F-160°F hot water solution of potassium hydroxide provided by Henkel Surface Technologies and then applying a chromate or titanium base conversion coating, 1402W or 1455SF by Henkel Surface Technologies
- A thermo setting polyester enamel is roller coated and baked at high temperatures for the outside coating. The reverse side of the coil, or wash coat, is a thermo setting polyester enamel applied to help resist corrosion and promote formability.
- The color range of the applied finish is .8 mils, plus or minus .2 mils. (1.0)
- The physical test used on our coated panels includes

180 degree-2T bend flex test no tape off using Scotch Brand #610 tape (ASTM D-4145-83)

Reverse impact –2 lbs./mil no tape off in positive direction using Scotch Brand #610 tape (ASTM D-4146-83)

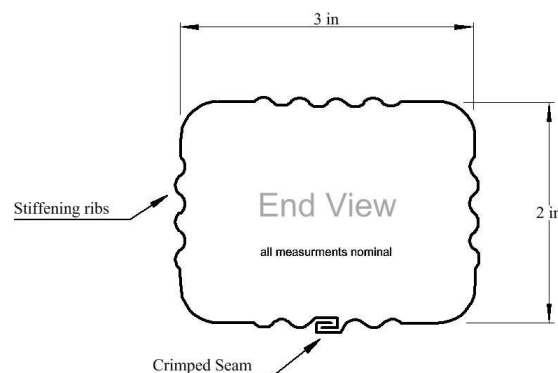
Pencil Hardness-F minimum using Eagle Turquoise Brand pencil (ASTM D-3363-92A)

M.E.K. resistance - 100 double rubs using cheesecloth-mesh size 28 x 24 (ASTM D-5402-92)

Dry Heat flexibility – no tape off on 2T bend after 2minutes at 160 degrees F

Specifications & features of the finished product:

- The overall length is 10 or 15 feet, standard
- The pipe's opening is 2 x 3 inches nominal
- The pipe is corner crimped on one end for ease of assembly
- The finish of this product is covered by a 20 year limited warranty
- Made in the USA



Specification Sheet

.019 x 13 ¾" Aluminum Downspout Coil
3"x 4" Aluminum Downspout

Specifications on the paint, metal preparation, and finish coating for aluminum downpipe coil:

- The aluminum used is alloy 3105-H25 which meets the specifications set forth in the "Aluminum Standards and Data 1988" published by the Aluminum Association. The gauge of the aluminum for the pipe is .019, plus or minus .002.
- The surface of the aluminum sheet is thoroughly cleaned and dried to remove residual oils and impurities using a 140°F-160°F hot water solution of potassium hydroxide provided by Henkel Surface Technologies and then applying a chromate or titanium base conversion coating, 1402W or 1455SF by Henkel Surface Technologies.
- A thermo setting polyester enamel is roller coated and baked at high temperatures for the outside coating. The reverse side of the coil, or wash coat, is a thermo setting polyester enamel applied to help resist corrosion and promote formability.
- The color range of the applied finish is .8 mils, plus or minus .2 mils. (1.0)
- The physical test used on our coated panels includes

180 degree-2T bend flex test no tape off using Scotch Brand #610 tape (ASTM D-4145-83)

Reverse impact -2 lbs./mil no tape off in positive direction using Scotch Brand #610 tape (ASTM D-4146-83)

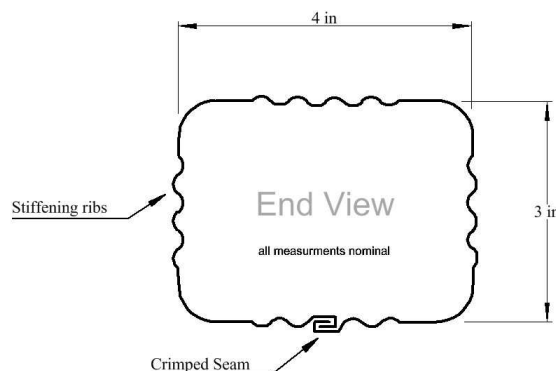
Pencil Hardness-F minimum using Eagle Turquoise Brand pencil (ASTM D-3363-92A)

M.E.K. resistance - 100 double rubs using cheesecloth-mesh size 28 x 24 (ASTM D-5402-92)

Dry Heat flexibility – no tape off on 2T bend after 2minutes at 160 degrees F

Specifications & features of the finished product:

- The overall length is 10 or 15 feet, standard
- The pipe's opening is 2 ¾ x 4 inches
- The pipe is corner crimped on one end for ease of assembly
- The finish of this product is covered by a 20 year limited warranty
- Made in the USA



Specification Sheet

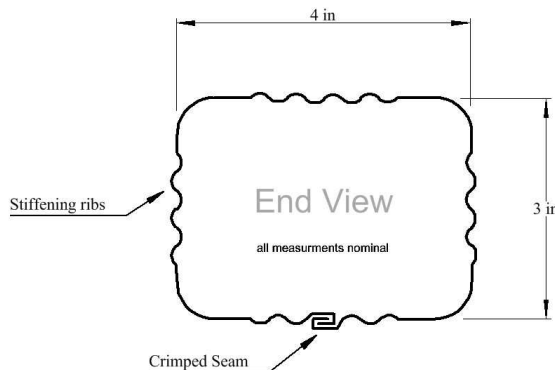
.027 x 13 ¾ ” Aluminum Downspout Coil
 .024 x 13 x ¾ Aluminum Elbow Coil

Specifications on the paint, metal preparation, and finish coating for aluminum downpipe coil:

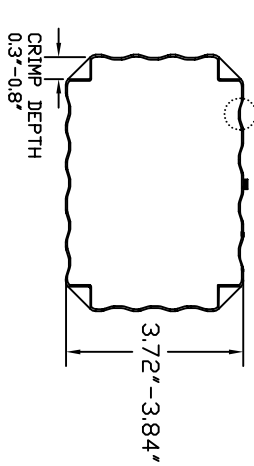
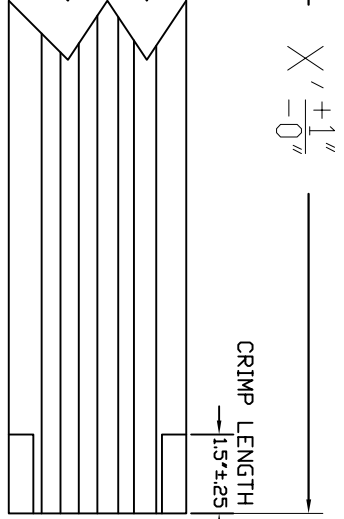
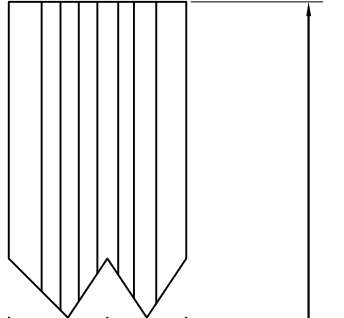
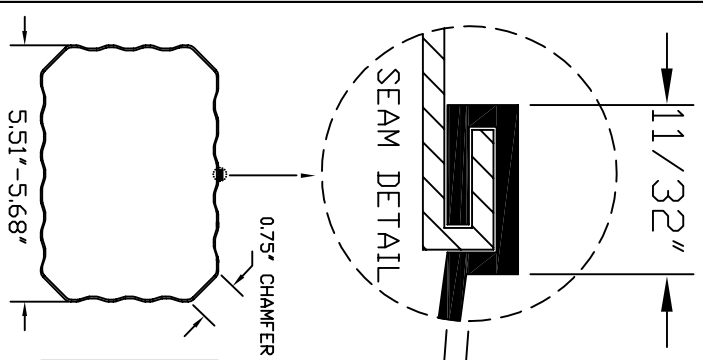
- The aluminum used is alloy 3105-H24 which meets the specifications set forth in the “Aluminum Standards and Data 1988” published by the Aluminum Association. The gauge of the aluminum for the pipe is .024, plus or minus .002.
- The surface of the aluminum sheet is thoroughly cleaned and dried to remove impurities and coated with Betz Metchum Permatreat 1500/3000 non-cyanide chromate conversion coating.
- A thermo setting polyester enamel is roller coated and baked at high temperatures for the outside coating. The reverse side of the coil, or wash coat, is a thermo setting polyester enamel applied to help resist corrosion.
- The color range of the applied finish is .8 mils, plus or minus .2 mils. (1.0)
- The physical test used on our coated panels includes
 - 180 degree- 2T tale, Scotch Brand #610
 - Reverse Impact- 2lbs./mil (positive tape) tape, Scotch Brand #610
 - Pencil Hardness-F minimum, Eagle Turquoise Brand
 - M.E.K.- 100 double rubs using cheesecloth-mesh size 28 x 24

Specifications & features of the finished product:

- The overall length is 10 or 15 feet, standard
- The pipe’s opening is 2 ¾ x 4 inches
- The pipe is corner crimped on one end for ease of assembly
- The finish of this product is covered by a 20 year limited warranty
- Made in the USA



- Notes:
1. Blank width = 17.5625" ± .010 typ
 2. Surface shall be visually free from scratches, lines, spots or other imperfections.
 3. Seam shall be tight along the length of the product



MAT'L List	T'-Thickness	MAT'L List	T'-Thickness
GAL V 24	0.023	LC 16oz CU	0.026
GAL V 26	0.020	BRVN ALUM	0.022
GAL V 28	0.017	DK BRZ ALUM	0.022
BRVN 26 STEEL	0.020	80 WHT ALUM	0.022
WHT 26 STEEL	0.020	MF ALUM	0.022
PG GAL V 26	0.020		
S. STEEL	0.016		
16oz COPPER	0.022		
20oz COPPER	0.027		

General Tolerance

X.X' = $\pm \frac{1}{16}$

X.X" = ± 0.25

X.XX = ± 0.003

Bow/Warp = $\frac{1}{4}$ " per 10ft

Twist = $\frac{1}{8}$ " per 3 ft

Work Center = 104

Drawn By: Blake Holmes

DATE: 5/23/2006

<p>BERGER Quality Building Products Since 1874</p> <p>4x5 in. Square Corrugated Pipe w/ Crimped End</p>		SIZE	FSCM NO.	DWG NO.	REV
		A		SPC-5	-
SCALE	not to scale	SHEET	1 OF 1		

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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

Specification Sheet

.019 x 10 ½" Aluminum Elbow Coil
2" x 3" Aluminum Elbow

Specifications on the paint, metal preparation, and finish coating for aluminum elbow coil:

- The aluminum used is alloy 3105-H25 which meets the specifications set forth in the "Aluminum Standards and Data 1988" published by the Aluminum Association. The gauge of the aluminum for the elbow is .019, plus or minus .002.
- The surface of the aluminum sheet is thoroughly cleaned and dried to remove residual oils and impurities using a 140°F-160°F hot water solution of potassium hydroxide provided by Henkel Surface Technologies and then applying a chromate or titanium base conversion coating, 1402W or 1455SF by Henkel Surface Technologies.
- A thermo setting polyester enamel is roller coated and baked at high temperatures for the outside coating. The reverse side of the coil, or wash coat, is a thermo setting polyester enamel applied to help resist corrosion and promote formability.
- The color range of the applied finish is .8 mils, plus or minus .2 mils. (1.0)
- The physical test used on our coated panels includes
 - 180 degree-2T bend flex test no tape off using Scotch Brand #610 tape (ASTM D-4145-83)
 - Reverse impact -2 lbs./mil no tape off in positive direction using Scotch Brand #610 tape (ASTM D-4146-83)
 - Pencil Hardness-F minimum using Eagle Turquoise Brand pencil (ASTM D-3363-92A)
 - M.E.K. resistance - 100 double rubs using cheesecloth-mesh size 28 x 24 (ASTM D-5402-92)
 - Dry Heat flexibility – no tape off on 2T bend after 2minutes at 160 degrees F

Specifications & features of the finished product:

- The overall length is 10 inches
- The elbow opening is 2 ¼ x 3 inches
- The elbow has 6 crimps resulting in a 75 degree bend
- The elbow is corner crimped for ease of assembly
- The finish of this product is covered by a 20 year limited warranty
- Made in the USA

Specification Sheet

.019 x 13 ¾" Aluminum Elbow Coil
3" x 4" Aluminum Elbow

Specifications on the paint, metal preparation, and finish coating for aluminum elbow coil:

- The aluminum used is alloy 3105-H25 which meets the specifications set forth in the "Aluminum Standards and Data 1988" published by the Aluminum Association. The gauge of the aluminum for the elbow is .019, plus or minus .002.
- The surface of the aluminum sheet is thoroughly cleaned and dried to remove residual oils and impurities using a 140°F-160°F hot water solution of potassium hydroxide provided by Henkel Surface Technologies and then applying a chromate or titanium base conversion coating, 1402W or 1455SF by Henkel Surface Technologies.
- A thermo setting polyester enamel is roller coated and baked at high temperatures for the outside coating. The reverse side of the coil, or wash coat, is a thermo setting polyester enamel applied to help resist corrosion and promote formability.
- The color range of the applied finish is .8 mils, plus or minus .2 mils. (1.0)
- The physical test used on our coated panels includes
 - 180 degree-2T bend flex test no tape off using Scotch Brand #610 tape (ASTM D-4145-83)
 - Reverse impact -2 lbs./mil no tape off in positive direction using Scotch Brand #610 tape (ASTM D-4146-83)
 - Pencil Hardness-F minimum using Eagle Turquoise Brand pencil (ASTM D-3363-92A)
 - M.E.K. resistance - 100 double rubs using cheesecloth-mesh size 28 x 24 (ASTM D-5402-92)
 - Dry Heat flexibility - no tape off on 2T bend after 2minutes at 160 degrees F

Specifications & features of the finished product:

- The overall length is 12 inches
- The elbow opening is 2 ¾ x 4 inches
- The elbow has 7 crimps resulting in a 75 degree bend
- The elbow is corner crimped for ease of assembly
- The finish of this product is covered by a 20 year limited warranty
- Made in the USA

Specification Sheet

.019 x 13 1/8" Aluminum Downspout Coil
4" Round Aluminum Downspout

Specifications on the paint, metal preparation, and finish coating for aluminum downpipe coil:

- The aluminum used is alloy 3105-H25 which meets the specifications set forth in the "Aluminum Standards and Data 1988" published by the Aluminum Association. The gauge of the aluminum for the pipe is .019, plus or minus .002.
- The surface of the aluminum sheet is thoroughly cleaned and dried to remove residual oils and impurities using a 140°F-160°F hot water solution of potassium hydroxide provided by Henkel Surface Technologies and then applying a chromate or titanium base conversion coating, 1402W or 1455SF by Henkel Surface Technologies..
- A thermo setting polyester enamel is roller coated and baked at high temperatures for the outside coating. The reverse side of the coil, or wash coat, is a thermo setting polyester enamel applied to help resist corrosion and promote formability.
- The color range of the applied finish is .8 mils, plus or minus .2 mils. (1.0)
- The physical test used on our coated panels includes
 - 180 degree-2T bend flex test no tape off using Scotch Brand #610 tape (ASTM D-4145-83)
 - Reverse impact -2 lbs./mil no tape off in positive direction using Scotch Brand #610 tape (ASTM D-4146-83)
 - Pencil Hardness-F minimum using Eagle Turquoise Brand pencil (ASTM D-3363-92A)
 - M.E.K. resistance - 100 double rubs using cheesecloth-mesh size 28 x 24 (ASTM D-5402-92)
 - Dry Heat flexibility - no tape off on 2T bend after 2minutes at 160 degrees F

Specifications & features of the finished product:

- The overall length is 10 feet, standard
- The pipe's opening is roughly 4" round
- The pipe is corner crimped on one end for ease of assembly
- The finish of this product is covered by a 20 year limited warranty
- Made in the USA

Specification Sheet

.019 x 13 1/8" Aluminum Elbow Coil
4" Round Aluminum Elbow

Specifications on the paint, metal preparation, and finish coating for aluminum elbow coil:

- The aluminum used is alloy 3105-H25 which meets the specifications set forth in the "Aluminum Standards and Data 1988" published by the Aluminum Association. The gauge of the aluminum for the elbow is .019, plus or minus .002.
- The surface of the aluminum sheet is thoroughly cleaned and dried to remove residual oils and impurities using a 140°F-160°F hot water solution of potassium hydroxide provided by Henkel Surface Technologies and then applying a chromate or titanium base conversion coating, 1402W or 1455SF by Henkel Surface Technologies.
- A thermo setting polyester enamel is roller coated and baked at high temperatures for the outside coating. The reverse side of the coil, or wash coat, is a thermo setting polyester enamel applied to help resist corrosion and promote formability.
- The color range of the applied finish is .8 mils, plus or minus .2 mils. (1.0)
- The physical test used on our coated panels includes
 - 180 degree-2T bend flex test no tape off using Scotch Brand #610 tape (ASTM D-4145-83)
 - Reverse impact -2 lbs./mil no tape off in positive direction using Scotch Brand #610 tape (ASTM D-4146-83)
 - Pencil Hardness-F minimum using Eagle Turquoise Brand pencil (ASTM D-3363-92A)
 - M.E.K. resistance - 100 double rubs using cheesecloth-mesh size 28 x 24 (ASTM D-5402-92)
 - Dry Heat flexibility - no tape off on 2T bend after 2minutes at 160 degrees F

Specifications & features of the finished product:

- The overall length is 13 1/2" inches
- The elbow opening is roughly 4" round
- The elbow has 10 crimps resulting in a 75 degree bend
- The elbow is corner crimped for ease of assembly
- The finish of this product is covered by a 20 year limited warranty
- Made in the USA

● HardiePlank® Lap Siding

HardiePanel® Vertical Siding

HardieShingle® Siding

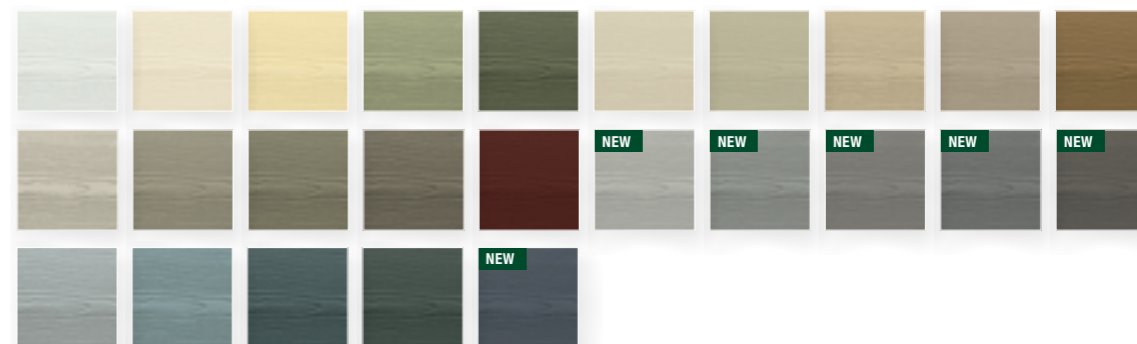


SELECT CEDARMILL®

Khaki Brown

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

Available Colors



NOTE - Siding will be painted to match existing house color.

[View all HardiePlank Lap Siding Products](#)

*9.25 in. only available primed.
 **12 in. only available primed and in select areas.

YOUR PROFESSIONAL-CLASS PRODUCT

Heritage Smooth Fiberglass Entry Door with Clear Glass



800.669.4711
2150 State Route 39
Sugarcreek, OH 44681

QUOTE INFORMATION

Job: Nail 1 Addition
Tag: Nail Exterior Door
Order #12772000-1
Qty: 1



OUTSIDE VIEW



INSIDE VIEW

DETAILS

Heritage Single Entry Door in FrameSaver Frame

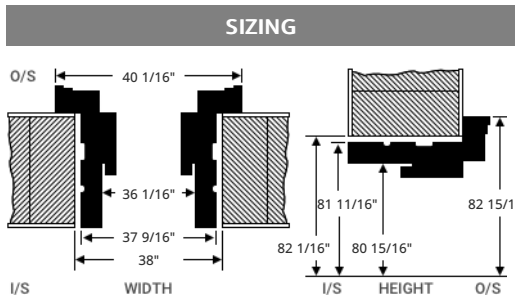
36" x 80" Nominal Size
Unit Size: 37 9/16" x 81 11/16"
Frame Depth: 6 9/16"
2" Standard Brickmold
Left Hand Inswing - Inside Looking Out
460 Style Heritage Smooth Fiberglass Door
ComforTech DC
Smooth Plugless Trim
Snow Mist White Inside and Outside

Hardware

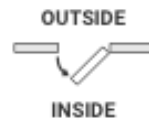
Georgian Lockset - Prep Only
Thumbturn Deadbolt - Prep Only
Satin Nickel Strike Plates

Frame

Snow Mist White Inside Frame
Mill Finish ZAI Adjustable Threshold (7 5/8" Depth)
Satin Nickel Ball Bearing Hinges
Security Plate



HANDING



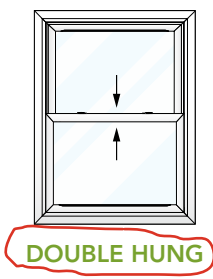
Installation Instructions



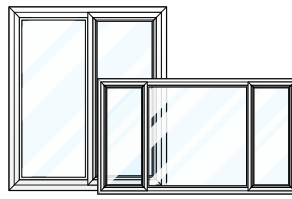
ENERGY

ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
0.33	0.34
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	-
0.35	
Air Infiltration (cfm/ft2)	
<= 0.03	

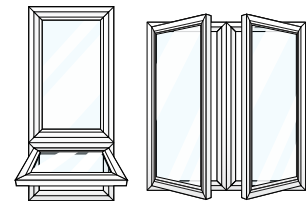
Window & Patio Door Styles



DOUBLE HUNG



2 & 3 LITE SLIDER



CASEMENT & AWNING

FEATURES	DOUBLE HUNG	2 & 3 LITE SLIDER	CASEMENT & AWNING
FRAME DEPTH	3 1/4"	3 1/4"	3 1/4"
VINYL	Sunshield®	Sunshield®	Sunshield®
CONSTRUCTION	Welded Frame & Sash	Welded Frame & Sash	Welded Frame & Sash
FINELINE WELDED CORNERS	Optional*	Optional*	Optional*
GLAZING	Exterior	Exterior	Exterior
SASH PROFILE SHAPE	Cove	Cove	Square
INTERIOR AND EXTERIOR ACCESSORY GROOVES	✓	✓	✓
GRAPHITE POLYSTYRENE FOAM INSULATION	✓	✓	✓
REINFORCEMENTS	Innergy®	Innergy®	Innergy®
WEATHERSTRIPPING	Barrier Fin & Bulb Seal	Barrier Fin & Bulb Seal	Bulb Seal
COMFORTECH™ DLA-UV GLAZING SYSTEM	3/4"	3/4"	3/4"
EXTRUDED ALUMINUM SCREEN FRAME	Half	Half	Full
BETTERVUE® FIBERGLASS MESH	✓	✓	✓
FLEXSCREEN®	Optional+	Optional+	
LOCKS/HARDWARE	Profile™ DA (dual action)	Profile™ SA (single action)	Lock Out Crank Handle
INTEGRAL INTERLOCK	✓	✓	
ADDITIONAL HARDWARE	Tilt Latches and Dual Vent Locks	Vent Lock	Washability Hinge & Corner Drive System (casement only)
BALANCE SYSTEM	Block & Tackle		
WEEP HOLES	✓	✓	✓
ADDITIONAL FEATURES	<ul style="list-style-type: none"> • Integral Interlock at Meeting Rail • Top Sash Retention 	<ul style="list-style-type: none"> • Brass Rollers • Anchor Stops (3-Lite) 	<ul style="list-style-type: none"> • Optional Stainless Steel Hardware • Quick Release Dual Arm Operator (Standard - Awning)

*Standard on laminated and painted units.

+Standard on painted exterior units.

COLORS

Available Color Combinations

INTERIOR COLORS

		White	Beige	Sandstone	Classic Oak Laminate	Dark Oak Laminate	Traditional Cherry Laminate	White Woodgrain Laminate
EXTERIOR COLORS	White	✓			✓	✓	✓	
	Beige		✓		✓	✓	✓	✓
	Sandstone			✓	✓	✓	✓	✓
	Classic Bronze Laminate	✓			✓	✓	✓	

TUFTEX™ Smooth Cladding available in White, Cafe Cream, Beige, Sandstone, Tudor Brown, Bronze, Nightfall and Coal Black. Color combinations will vary based on the window type chosen. See entryLINK for details.

Exterior Paint Finishes

Trending paint colors also available. See entryLINK for all color options.



*Available on the interior and exterior.

Black Windows and Patio Doors

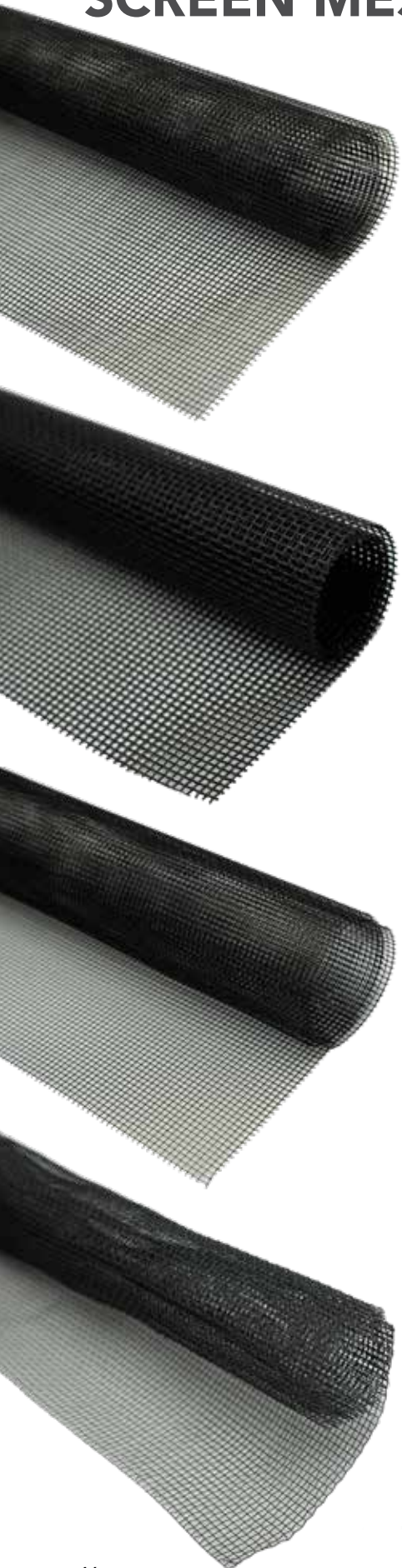
Upgrade your window or patio door so the interior, jamb pocket and exterior are all black.

An all black window or patio door will come standard with a slightly Textured Matte Coal Black paint.

Opting for a painted exterior only gives you the choice between Coal Black and Textured Matte Coal Black paint options. Ask to see our Paint Color Selector to see the difference.

Always refer to our color selector for accurate color representation.

SCREEN MESH TYPES



BETTERVUE® SCREEN MESH

BetterVue insect screening with Water Shed Technology™ coating repels water, prevents dirt and debris from staying on the screen and remains cleaner longer. It is suitable for all window and patio screen door applications.

- Durable, hydrophobic coating will not wash off
- Sheds water and debris during rain storm
- Increases life expectancy of the screening
- Greater openness for better airflow and more natural light
- GREENGUARD certified

HEAVY DUTY SCREEN MESH

This heavy-duty mesh is made from vinyl-coated polyester, making it tear and puncture resistant, and one of the most durable screen options on the market. This is ideal for use in high traffic areas. It installs just like regular screening but is three times stronger than standard fiberglass, and won't need to be replaced nearly as often.

SEEVUE® STAINLESS STEEL SCREEN MESH

SeeVue is woven from stainless steel, which not only improves visibility with its fine wire diameter, but also makes this product much stronger than the standard insect screen. It has a black finish that offers excellent visibility (iVis) designed to maximize an outward view, making it sharper and more brilliant. It allows superior airflow and meets the high standard of insect protection.

ALUMINUM SCREEN MESH

Charcoal aluminum screen mesh offers excellent outward visibility and is coated with a rich charcoal finish applied by an electrodeposition paint system. The glare is reduced by the dark color, which improves the outward visibility. The consistent finish of the screen gives it an architect-pleasing appearance.

City of Takoma Park

Housing and Community Development Department

Main Office 301-891-7119
Fax 301-270-4568
www.takomaparkmd.gov



7500 Maple Avenue
Takoma Park, MD 20912

MUNICIPALITY LETTER

October 01, 2024

To: James R Nail, Brittany N Starr
5 Philadelphia Ave, Takoma Park, MD 20912
jrnail23@gmail.com, brittanynicolestarr@gmail.c ☎ 202-841-3635, 225-772-5759

To: Department of Permitting Services
2425 Reedie Drive, 7th floor
Wheaton, Maryland 20902

From: Planning and Development Services Division

THIS IS NOT A PERMIT – For Informational Purposes Only

VALID FOR ONE YEAR FROM DATE OF ISSUE

The property owner is responsible for obtaining all required permits from Montgomery County and the City of Takoma Park. If this property is in the **Takoma Park Historic District**, it is subject to Montgomery County Historic Preservation requirements.

Representative Name: Ranwa Nourieh

RNourieh@mossbuildingan ☎ 3016429096
ddesi.

Location of Project: 5 Philadelphia Ave, Takoma Park, MD 20912

Proposed Scope of Work: Building a two story addition at the rear of the house.

The purpose of this municipality letter is to inform you that the City of Takoma Park has regulations and city permit requirements that may apply to your project. This municipality letter serves as notification that, in addition to all Montgomery County requirements, you are required to comply with all City permitting requirements, including:

- Tree Impact Assessment/Tree Protection Plan
- Stormwater management
- City Right of Way

Failure to comply with these requirements could result in the issuance of a Stop Work Order and other administrative actions within the provisions of the law. Details of Takoma Park's permit requirements are attached on page 2.

The issuance of this letter does not indicate approval of the project nor does it authorize the property owner to proceed with the project. The City retains the right to review and comment on project plans during the Montgomery County review process.

City Of Takoma Park

The City of Takoma Park permits for the following issues:

Tree Impact Assessment/Tree Protection Plan/Tree Removal Application:

Construction activities that occur within 50 feet of any urban forest tree (7 and 5/8" in trunk diameter or greater), located on the project property or on an adjacent property, may require a Tree Impact Assessment and possibly a Tree Protection Plan Permit. Make sure to submit a request for a Tree Impact Assessment and schedule a site visit with the City's Urban Forest Manager if any urban forest tree is in the vicinity of proposed construction activities. See the Tree Permits section of the City website for the specific conditions in which a Tree Impact Assessment is required. Depending on the Urban Forest Manager's conclusion following the Tree Impact Assessment, you may need to prepare a full Tree Protection Plan and apply for a Tree Protection Plan Permit as well. Separately, the removal of any urban forest tree will require a Tree Removal Permit application. The tree ordinance is detailed in the City Code, section 12.12. For permit information check: <https://takomaparkmd.gov/services/permits/tree-permits>. The City's Urban Forest Manager can be reached at 301-891-7612 or urbanforestmanager@takomaparkmd.gov.

Stormwater Management:

If you plan to develop or redevelop property, you may be required to provide appropriate stormwater management measures to control or manage runoff, as detailed in City Code section 16.04. All commercial or institutional development in the city must apply for a Stormwater Management Permit regardless of the size of the land disturbance. Additions or modifications to existing detached single-family residential properties do not require a Stormwater Management permit if the project does not disturb more than 5,000 square feet of land area. For more information on visit: <https://takomaparkmd.gov/government/public-works/stormwater-management-program/>. The City Engineer should be contacted to determine if a City permit is required. The City Engineer can be reached at 301-891-7620.

City Right of Way:

- To place a **construction dumpster or storage container** temporarily on a City right of way (usually an adjacent road), you will need to obtain a permit. A permit is not required if the dumpster is placed in a privately-owned driveway or parking lot.
- If you plan to install a new **driveway apron**, or enlarge or replace an existing driveway apron, you need a Driveway Apron Permit.
- If you plan to construct a **fence** in the City right of way, you need to request a Fence Agreement. If approved, the Agreement will be recorded in the Land Records of Montgomery County.

For more information and applications for City permits, see: <https://takomaparkmd.gov/services/permits/> or contact the Department of Public Works at 301-891-7633.

Failure to comply with the City's permitting requirements could result in the issuance of a Stop Work Order and other administrative actions within the provisions of the law.

eSigned via SeamlessDocs.com
Ranwa Nourieh
Key: 38bf2056622713c0b979ea7ee94776a

Ranwa Nourieh

09-27-2024

eSigned via SeamlessDocs.com
Takoma Park Planning Division
Key: 19fe64f123e96a3ff4576219059d5fba

10-01-2024

WOOD PROPERTIES

A. THE FOLLOWING SPECIES AND MINIMUM GRADES SHALL APPLY FOR ALL WOOD FRAMING, UNLESS NOTED OTHERWISE:

- 1. ALL JOISTS, HEADERS, AND TRIMMERS SHALL BE MINIMUM HEM-FIR #2 GRADE (HF#2).
2. ALL BEARING & BRACED/SHEAR WALL STUDS, TOP & BOTTOM (SLL) PLATES SHALL BE MINIMUM SPRUCE-PINE-FIR (NORTH PRODUCT) #2 GRADE (SPF#2).
3. ALL BOTTOM (SLL) PLATES IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESERVATIVE TREATED (P.T.) SOUTHERN PINE #2 GRADE (SP#2).
4. ALL LUMBER USED IN DECKS AND BALCONIES, EXPOSED TO WEATHER, OR OTHERWISE REQUIRED TO BE TREATED SHALL BE PRESERVATIVE TREATED (P.T.) SOUTHERN PINE #2 GRADE (SP#2).
5. ALL 5/8" & LARGER POSTS SHALL BE PRESERVATIVE TREATED (P.T.) SOUTHERN PINE #2 GRADE (SP#2).

B. THE FOLLOWING MINIMUM REFERENCE DESIGN PROPERTIES SHALL APPLY FOR ALL WOOD FRAMING, UNLESS NOTED OTHERWISE:

- 1. HEM-FIR #2 GRADE (HF#2) TO HAVE THE FOLLOWING MINIMUM REFERENCE DESIGN VALUES:
• Fb = 850 PSI
• Fv = 150 PSI
• Fc PERP. = 405 PSI
• Fc PAR. = 1300 PSI
• E = 1,300,000 PSI
2. SPRUCE PINE FIR (NORTH PRODUCT) #2 GRADE (SPF#2) TO HAVE THE FOLLOWING REFERENCE DESIGN VALUES:
• Fb = 875 PSI
• Fv = 135 PSI
• Fc PERP. = 425 PSI
• Fc PAR. = 1150 PSI
• E = 1,400,000 PSI
3. DOUGLAS FIR LARCH #2 GRADE (DF#2) TO HAVE THE FOLLOWING MINIMUM REFERENCE DESIGN VALUES:
• Fb = 900 PSI
• Fv = 180 PSI
• Fc PERP. = 625 PSI
• Fc PAR. = 1350 PSI
• E = 1,600,000 PSI
4. NON-P.T. SOUTHERN PINE #1 GRADE (SP#1) FOR 2x4 AND #2 GRADE (SP#2) FOR 2x6 TO HAVE THE FOLLOWING MINIMUM REFERENCE DESIGN VALUES (REVISED PER 2013 SPB SUPPLEMENT #13):
• Fb = 1500 PSI
• Fv = 175 PSI
• Fc PERP. = 565 PSI
• Fc PAR. = 1650 PSI
• E = 1,400,000 PSI
5. PRESERVATIVE TREATED SOUTHERN PINE #2 (SP#2) LUMBER SHALL HAVE THE FOLLOWING MINIMUM REFERENCE DESIGN VALUES (REVISED PER 2013 SPB SUPPLEMENT #13):
• 2x & 4x x4 x6 x8 x10 x12
• Fb = 1100 PSI 1000 PSI 925 PSI 800 PSI 750 PSI
• Fv = 175 PSI 175 PSI 175 PSI 175 PSI 175 PSI
• Fc PERP. = 565 PSI 565 PSI 565 PSI 565 PSI 565 PSI
• Fc PAR. = 1450 PSI 1400 PSI 1350 PSI 1300 PSI 1250 PSI
• E = 1,400,000 PSI 1,400,000 PSI 1,400,000 PSI 1,400,000 PSI 1,400,000 PSI

- WHEN LUMBER IS USED WHERE MOISTURE CONTENT WILL EXCEED 19% FOR AN EXTENDED TIME PERIOD, REFERENCE DESIGN VALUES SHALL BE REDUCED BY THE FOLLOWING (NET SERVICE FACTORS):
• Fb = 0.85
• Fv = 0.97
• Fc PERP. = 0.67
• Fc PAR. = 0.8
• E = 0.9
6. PRESERVATIVE TREATED SOUTHERN PINE #2 (SP#2) 5/8" & LARGER POSTS TO HAVE THE FOLLOWING REFERENCE DESIGN VALUES (NET SERVICE CONDITIONS):
• Fb = 850 PSI
• Fc PERP. = 375 PSI
• Fc PAR. = 525 PSI
• E = 1,200,000 PSI

- 7. LAMINATED VENEER LUMBER (LVL) SHALL BE 1-3/4" WIDE, OF THE DEPTH SPECIFIED ON THE PLANS, AND SHALL BE SECURED TOGETHER AS DIRECTED BY THE MANUFACTURER. LVL'S SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE DESIGN VALUE: (100% LOAD DURATION)
• Fb = 2600 PSI (FOR 12" DEPTH)
• Fc PERP. = 750 PSI
• Fv = 285 PSI
• E = 2,000,000 PSI
8. PARALLEL STRAND LUMBER (PSL) 2.0E HEADERS AND BEAMS SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE DESIGN VALUE: (100% LOAD DURATION)
• Fb = 2,900 PSI (FOR 12" DEPTH)
• Fc PERP. = 750 PSI
• Fv = 290 PSI
• E = 2,000,000 PSI

- 9. PARALLEL STRAND LUMBER (PSL) 1.8E COLUMNS SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE DESIGN VALUE: (100% LOAD DURATION)
• Fb = 2,400 PSI (FOR 12" DEPTH)
• Fc PAR. = 2,500 PSI
• E = 1,800,000 PSI
10. WOLMANIZED PARALLEL STRAND LUMBER (PSL) HEADERS AND BEAMS SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE DESIGN VALUE: (100% LOAD DURATION)

Table with 2 columns: DRY CONDITION (SERVICE LEVEL 1) and EXPOSED TO WEATHER (SERVICE LEVEL 2). Rows include G, Fb, Fc PERP., Fc PAR., and E.

- 11. WOLMANIZED PARALLEL STRAND LUMBER (PSL) HEADERS AND BEAMS SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE DESIGN VALUE: (100% LOAD DURATION)

PRESERVATIVE TREATED LUMBER

- 1. PROTECT ALL UNTREATED LUMBER FROM EXPOSURE TO WEATHER. NOTIFY ENGINEER OTHERWISE.
2. PRESERVATIVE TREATED WOOD SHALL BE IN ACCORDANCE WITH ANPA UL, SECTION 4.
3. ALL EXTERIOR WOOD MEMBERS SHALL BE PRESERVATIVE TREATED UCCA OR HIGHER.
4. ALL INTERIOR WOOD IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE TREATED TO UC2 OR HIGHER.
5. ALL HANGERS, ANCHORS, FASTENERS, AND ANY STEEL IN CONTACT WITH PRESERVATIVE TREATED WOOD SHALL BE STAINLESS STEEL OR HAVE SATISFACTORY COATING PER MANUFACTURER RECOMMENDATION.
6. CONTRACTOR TO VERIFY CORROSION RESISTANCE COMPATIBILITY OF HARDWARE AND FASTENERS IN CONTACT WITH PRESERVATIVE TREATED WOOD.

ROUGH CARPENTRY

A. GENERAL

- 1. DIMENSIONED LUMBER SHALL BE DRESSED S&S, AND SHALL BEAR THE GRADE STAMP OF THE MANUFACTURER'S ASSOCIATION.
2. ALL LUMBER SHALL BE SOUND, SEASONED, AND FREE FROM WARP.
3. MINIMUM GRADES FOR DIMENSIONED LUMBER SHALL BE AS DEFINED BY THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, INC. ALL WOOD MEMBERS SHALL BE MANUFACTURED TO COMPLY WITH PS20 OF "AMERICAN SOFTWOOD LUMBER STANDARDS" AND SHALL HAVE 19% MAXIMUM MOISTURE CONTENT.
4. ALL ENGINEERED LUMBER SHALL CONFORM TO THE MINIMUM PRODUCT SPECIFICATIONS, INSTALLATION AND MINIMUM FASTENING REQUIREMENTS AS PROVIDED BY THE PRODUCT MANUFACTURER.
5. PROVIDE 3-1/2" INCH MINIMUM BEARING FOR STANDARD LUMBER BEAMS.

B. FASTENERS & CONNECTORS

- 1. ALL CONNECTION HARDWARE SHALL BE GALVANIZED AND SUPPLIED BY SIMPSON STRONG-TIE, HILT, OR BY AN APPROVED EQUIVALENT MANUFACTURER.
2. NAIL DIMENSIONS SHALL COMPLY WITH ASTM F1667. WOOD SCREWS DIMENSIONS SHALL COMPLY WITH ANSI/ASME B18.6.1. BOLT AND LAG SCREW DIMENSIONS SHALL COMPLY WITH ANSI/ANSI B18.2.1.
3. WHERE SPECIFIED, "SIS" SCREWS REFER TO "SIMPSON STRONG DRIVE" AND SHALL CONFORM TO CSR REPORT #2236. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. WOOD OR LAG SCREWS ARE NOT ACCEPTABLE REPLACEMENTS. SUBMIT ANY ALTERNATES FOR APPROVAL.
4. MINIMUM BENDING STRESS Fyb FOR FASTENERS SHALL BE AS FOLLOWS:
a. BOLTS: Fyb = 45,000 PSI
b. LAG SCREWS: 3/8" Fyb = 70,000 PSI; 1/2" Fyb = 60,000 PSI; 5/8" AND LARGER Fyb = 45,000 PSI
c. NAILS AND WOOD SCREWS: 0.099" <= D <= 0.142" Fyb = 100,000 PSI; 0.142" <= D <= 0.177" Fyb = 90,000 PSI; 0.177" <= D <= 0.236" Fyb = 80,000 PSI; 0.236" <= D <= 0.273" Fyb = 70,000 PSI

2. THRU BOLTS SHALL BE INSTALLED AS FOLLOWS:

- a. BOLT HOLES SHALL BE A MINIMUM OF 3/16" TO A MAXIMUM OF 1/4" LARGER THAN THE BOLT DIAMETER.
b. CAREFUL CENTERING OF HOLES IN MAIN MEMBERS AND SPLICE PLATES IS REQUIRED. TIGHT FIT REQUIRING FORCEFUL DRIVING OF BOLTS SHALL NOT BE DONE.
c. A METAL PLATE OR WASHER NOT LESS THAN A STANDARD OVERSIZED CUT WASHER SHALL BE BETWEEN THE WOOD AND THE BOLT HEAD AND BETWEEN THE WOOD AND THE NUT.
d. ALL BOLTS SHALL BE SMOOTH TIGHTENED. CONNECTIONS, WHICH HAVE LOOSENED DUE TO SHRINKAGE OF THE WOOD MEMBERS, SHALL BE RE-TIGHTENED.
e. BOLTS SHALL BE INSTALLED SUCH THAT THE THREADED PORTIONS OF THE BOLTS ARE EXCLUDED FROM THE SHEAR PLANES.
f. CARRIAGE BOLTS ARE NOT PERMITTED.
2. LAG SCREWS SHALL BE INSTALLED AS FOLLOWS:
a. LAG SCREWS SHALL BE INSTALLED IN PRE-DRILLED HOLES.
b. THE CLEARANCE HOLE FOR THE SHANK SHALL HAVE THE SAME DIAMETER AS THE SHANK, AND THE SAME DEPTH OF PENETRATION AS THE LENGTH OF THE SHANK.
c. THE LEAD HOLE FOR THE THREADED PORTION SHALL HAVE A DIAMETER EQUAL TO 75% FOR SOUTHERN PINE, 70 % FOR OTHER SPECIES, OF THE SHANK DIAMETER AND A LENGTH EQUAL TO AT LEAST THE LENGTH OF THE THREADED PORTION.
d. THE THREADED PORTION OF THE LAG SCREW SHALL BE INSERTED IN ITS LEAD HOLE BY TURNING WITH A WRENCH, NOT BY DRIVING WITH A HAMMER.
e. SOAP OR OTHER LUBRICANT SHALL BE USED ON THE LAG SCREWS OR IN THE LEAD HOLES TO FACILITATE INSERTION AND PREVENT DAMAGE TO THE LAG SCREW.

ROOF FRAMING

- 1. ALL ROOF SHEATHING SHALL BE APA RATED PLYWOOD/OSB C-C, C-D, OR STRUCTURAL II SHEATHING. MINIMUM NAILING PATTERN SHALL BE 8d COMMON (2 1/2" x 0.131") NAILS SPACED AT 6" CENTERS AT EDGE SUPPORTS AND 12" CENTERS AT INTERMEDIATE SUPPORTS. PLYWOOD CLIPS @ 24" O.C. (SIMPSON PS2 OR EQ.) ARE REQUIRED AT PLYWOOD EDGES BETWEEN EACH FRAMING MEMBER.
2. ROOF SHEATHING THICKNESS SHALL BE A MINIMUM OF:
2.1. PITCHED ROOFS - 3/4"
2.2. FLAT ROOFS - 3/4"
2.3. SLATE ROOFS - 3/4"
2.4. ROOF TERRACES - SEE FLOOR SHEATHING
3. PROVIDE HURRICANE ANCHORS (HOLD DOWN CLIPS) CAPABLE TO RESIST UPLIFT LOADS SHOWN ON THE ROOF TRUSS SHOP DRAWINGS. WHERE RAFTER FRAMING IS USED PROVIDE SIMPSON H-2.5A OR EQ. HURRICANE ANCHORS OR EQUAL AT EACH BEARING POINT.
4. FRAME OVERLAP ROOF W/ PREFABRICATED VALLEY SET ROOF TRUSSES @ 24" O.C. UNLESS NOTED OTHERWISE.
5. ALL CONNECTIONS AND BRACING MUST BE INSTALLED BEFORE SHEATHING THE ROOF.

FLOOR FRAMING

- 1. ALL PLYWOOD/OSB SUB-FLOORING SHALL BE 3/4" THICK TAG APA RATED 48/24 SHEATHING OR STURD-I-FLOOR 24" O.C. RATED PLYWOOD SHALL BE GLEUED AND NAILED. INSTALL 100 PERCENT BLUE-LINE AND A MINIMUM-NAILING PATTERN OF 8d COMMON (2 1/2" x 0.131") NAILS OR SIMPSON "MSY" (OR EQ.) SCREWS SPACED AT 6" CENTERS AT EDGE SUPPORTS AND 12" CENTERS AT INTERMEDIATE SUPPORTS SHALL BE USED.
2. SPACE JOISTS/TRUSSES UNDER CERAMIC TILE/MARBLE FLOOR FINISHES @ 16" O.C. MAX.
3. PROVIDE DOUBLE JOISTS OR SPECIAL TRUSS UNDER ALL WALLS/PARTITIONS THAT EXTEND ONE-HALF OR MORE OF THE FLOOR FRAMING SPAN, UNDER ALL KITCHEN ISLANDS, AND UNDER FREESTANDING SOAKER TUBS.
4. PROVIDE SOLID BLOCKING BETWEEN JOISTS AND RAFTERS AT ALL BEARING POINTS AND AT A MINIMUM OF EIGHT-FOOT O.C. ALONG JOIST AND RAFTER SPANS.
5. WHERE SINGLE-PLY LVL BEAM IS USED, SUPPORT JOISTS W/ TOP FLANGE HANGERS CAPABLE OF SUPPORTING THE JOIST REACTION.
6. FLOOR MEMBERS THAT DO NOT MEET INTERIOR LOAD BEARING WALLS MUST BE SHIMMED. DO NOT PULL TRUSSES/JOISTS DOWN TO INTERIOR BEARINGS.

WALL FRAMING

- 1. ALL WOOD TOP PLATE SPLICES SHALL BE STAGGERED 4'-0" MINIMUM.
2. ALL BEARING WALLS, POSTS, JACKS, AND MULTIPLE STUDS SHALL BE RUN CONTINUOUSLY TO SOLID BEARING ON FOUNDATION WALLS OR BEAMS. PROVIDE SOLID BLOCKING AT FLOOR DIAPHRAGM TO CONTINUE POST ABOVE AND BELOW. BLOCKING TO MATCH SIZE ABOVE, TYPICAL.
3. ALL STEEL COLUMNS MUST BE DIRECTLY SUPPORTED BY A STEEL BEAM OR CONTINUED/SPLICED TO A CONCRETE FOUNDATION WALL OR CONCRETE FOOTING UNLESS NOTED OTHERWISE ON PLAN.
4. ALL WINDOW HEADERS TO BE (2)2x12 W/ (2)JACKS & (2)STUDS @ EACH END UNLESS NOTED OTHERWISE ON PLAN.
5. PROVIDE (2)2x POST AT EACH END OF MULTI-PLY FLOOR MEMBERS, UNLESS NOTED OTHERWISE ON PLAN.
6. STUDS SHALL BE DOUBLED AT ALL ANGLES AND AROUND ALL OPENINGS WITH TRIPLE STUDS AT CORNERS. UNLESS NOTED OTHERWISE ON PLANS AND OR DETAILS.
7. BALLOON FRAME ALL GABLE END WALLS TO UNDER SIDE OF CEILING.
8. ALL EXTERIOR WALL SHEATHING SHALL BE 3/4" APA RATED OSB/PLYWOOD SHEATHING NAILED W/ 8d NAILS @ 6" O.C. AT PANEL EDGES AND 12" O.C. AT ALL INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE ON PLANS, SCHEDULES, AND DETAILS.
9. PROVIDE CONTINUOUS SHEATHING ON AT LEAST ONE SIDE OF ALL BEARING STUD WALLS, INCLUDING IN THE BASEMENT OR ATTIC SPACE.
10. ALL WALL SHEATHING SHALL BE CONTINUOUS BETWEEN TOP PLATES AND BOTTOM PLATE OF WALL ABOVE.
11. WHERE WALL SHEATHING IS REQUIRED TO HAVE BLOCKED PANEL EDGES, COORDINATE MID-HEIGHT BLOCKING LOCATION WITH SHEATHING SPLICING.



PRE-ENGINEERED WOOD TRUSSES

A. GENERAL

- 1. THIS SECTION DEFINES PRE-ENGINEERED, PREFABRICATED, METAL PLATE CONNECTED WOOD ROOF TRUSSES AS "ROOF TRUSSES" AND FLOOR TRUSSES AS "FLOOR TRUSSES".
2. THE WOOD TRUSS MANUFACTURER MUST PARTICIPATE IN A CODE APPROVED THIRD PARTY QUALITY ASSURANCE PROGRAM SUCH AS THE TRUSS PLATE INSTITUTE'S "QUALITY CONTROL INSPECTION PROGRAM" OR EQUIVALENT.
3. DIMENSIONED LUMBER SHALL BE DRESSED S&S, AND SHALL BEAR THE GRADE STAMP OF THE MANUFACTURER'S ASSOCIATION.

B. TRUSS DESIGN

- 1. WOOD TRUSSES SHALL BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE "DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES, TP-LATEST EDITION", PUBLISHED BY THE TRUSS PLATE INSTITUTE AND THE APPLICABLE BUILDING CODES LISTED IN THE STANDARDS AND CODES SECTION OF THESE NOTES.
2. WOOD TRUSSES SHALL BE DESIGNED WITH AT LEAST ONE PM SUPPORT PER SPAN.
3. TRUSS MANUFACTURER TO PROVIDE STAINLESS STEEL OR GALVANIZED GIBS METAL CONNECTOR PLATES WHERE TRUSSES ARE IN DIRECT CONTACT WITH PRESERVATIVE OR FIRE RETARDANT TREATED WOOD.
4. TRUSS MANUFACTURER TO VERIFY ROOF TRUSS SPANS, HEAD HEIGHTS, PITCHES, AND OVERHANG AND COFFERED CEILING LOCATIONS WITH ARCHITECTURAL DRAWINGS.
5. TRUSS MANUFACTURER TO DESIGN GABLE END TRUSSES FOR THE LISTED WIND DESIGN CRITERIA. GABLE ENDWALL TRUSSES MUST TRANSFER LATERAL LOADS TO THE BRACED/SHEAR WALLS OR THE ROOF DIAPHRAGM.
6. ALL TRUSS SUPPORT HANGERS TO BE SUPPLIED AND DETERMINED BY THE TRUSS MANUFACTURER.
7. TRUSS MANUFACTURER TO DETAIL MULTI-PLY GROSSER TRUSS CONNECTION.
8. FIRE RETARDANT WOOD SHALL NOT BE USED EXCEPT AT THE ROOF WHEN SPECIFIED BY THE ARCHITECT.
9. WOOD TRUSS DESIGN SHOP DRAWINGS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING INFORMATION:
a. SPAN LENGTH, OVERHANG AND EAVE DIMENSIONS, SLOPE AND SPACING OF THE WOOD TRUSSES.
b. ALL DESIGN LOADS AND THEIR POINTS OF APPLICATION, VALLEY AND CONVENTIONAL FRAMING MUST BE CONSIDERED.
c. ADJUSTMENTS TO ALLOWABLE VALUES. (DURATION OF LOAD FACTORS, ETC.)
d. REACTIVE FORCES, THEIR LOCATIONS AND MEMBER FORCES.
e. BEARING TYPE AND MINIMUM BEARING LENGTH.
f. DEFLECTIONS, SPAN AND REACTION.
g. METAL CONNECTOR PLATE TYPE, GAUGE, SIZE, AND LOCATION.
h. LUMBER SIZE, SPECIES, GRADE AND MOISTURE CONTENT.
i. LOCATION AND CONNECTION DESIGN OF REQUIRED CONTINUOUS LATERAL BRACING.
j. TRUSS SPLICES MUST BE DETAILED. THIS INCLUDES "PIGGY BACK" TRUSSES.
k. CONNECTION DETAILS: TRUSS TO BEARING, TRUSS TO TRUSS, TRUSS TO TRUSS ORDER, PIGGY BACK TO TRUSS, ETC.
BRACING: NOTE MINIMUM REQUIREMENTS BELOW.

C. ERECTION AND HANDLING

- 1. TRUSS ERECTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING OF TRUSS SYSTEM DURING CONSTRUCTION.
2. HANDLING, INSTALLATION, AND BRACING OF WOOD TRUSSES SHALL BE IN ACCORDANCE WITH "HB-91", PUBLISHED BY THE TRUSS PLATE INSTITUTE.
3. STACKING OF PLYWOOD, OSB/PM SHEATHING, OR OTHER BUILDING MATERIALS ON WOOD TRUSSES IS NOT ALLOWED.
4. INSTALLATION OF BROKEN, DAMAGED, WARPED, OR IMPROPERLY REPAIRED WOOD TRUSSES IS NOT ALLOWED. TRUSS REPAIRS MUST BE COMPLETED ACCORDING TO DETAILS PROVIDED BY THE TRUSS ENGINEER. ALL TRUSS REPAIR DETAILS MUST BE SIGNED AND SEALED BY THE TRUSS ENGINEER AND SUBMITTED TO THE ARCHITECT.
5. IMPROPER OR UNAUTHORIZED FIELD ALTERATIONS OF WOOD TRUSSES IS NOT ALLOWED.

POST INSTALLED ANCHORS

- 1. ALL DRILLED HOLES SHALL BE THOROUGHLY CLEANED, INSPECTED, AND INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS. USE HILTI "SAFE SET" OR SIMPSON "SPEED CLEAN XDS" SYSTEM OR ECH WITH HOLLOW DRILL BIT TO ENSURE PROPER INSTALLATION.
2. SPACING AND EDGE DISTANCE OF CONNECTIONS ARE CRITICAL TO ENSURE PROPER STRENGTH. FOLLOW SPECIFIED DETAILS.
3. ALL POST INSTALLED ANCHORS FOR USE IN STRUCTURAL APPLICATIONS SHOULD BE APPROVED FOR CRACKED AND UNCRACKED CONCRETE AND HAVE AN APPROVED AND CURRENT TESTING REPORT.
4. THE CONTRACTOR SHALL ARRANGE FOR A MANUFACTURER'S FIELD REPRESENTATIVE TO PROVIDE INSTALLATION TRAINING FOR ALL PRODUCTS TO BE USED. PRIOR TO COMMENCEMENT OF WORK, ONLY TRAINED INSTALLERS SHALL PERFORM POST INSTALLED ANCHOR INSTALLATION. A RECORD OF TRAINING SHALL BE KEPT ON SITE AND BE MADE AVAILABLE AS REQUESTED.
5. ADHESIVE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21 DAYS.
6. ADHESIVE ANCHORS SHALL USE ANY OF THE FOLLOWING, U.N.O. ON PLANS OR DETAILS:
a. THREADED ROD FOR USE WITH ADHESIVE SHALL BE GRADE 36.
b. ATTACHMENT TO CONCRETE:
HILTI HY-200, RE-500
DEWALT AC208+, PURE 110+, AC100+ GOLD, PE 100+
SIMPSON SET-HP, AT-XP
c. ATTACHMENT TO FULLY GROUTED MASONRY:
HILTI HY-70
DEWALT AC100+ GOLD
SIMPSON SET-HP, SET-XP, AT-XP
7. CONCRETE SPOKE TYPE ANCHORS SHALL USE ANY OF THE FOLLOWING (U.N.O.):
HILTI KHM HUS-EZ
DEWALT SCREW BOLT+

CONCRETE

A. GENERAL

- 1. CONCRETE COMPRESSIVE STRENGTHS AT 28 DAYS, Fc(PS) SHALL BE:
a. 3500 PSI - GARAGE SLABS AND OTHER HORIZONTAL SURFACES EXPOSED TO WEATHER
b. 3000 PSI - FOOTINGS, FOUNDATION WALLS, PIERS, AND SLABS-ON-GRADE IN ENCLOSED SPACES.
2. SLUMP:
a. CONCRETE MIX SHALL BE PROPORTIONED TO PROVIDE ADEQUATE WORKABILITY AND CONTROL SEPARATION OF AGGREGATE.
b. IN NO CASE SHALL SLUMP EXCEED 8 INCHES.
3. CAST-IN-PLACE CONCRETE SHALL BE READY-MIX PER ASTM C94. THE MIX SHALL BE PROPORTIONED WITH:
a. PORTLAND CEMENT - ASTM C150
b. AGGREGATES - ASTM C33 WITH 0.75 INCH MAXIMUM DIAMETER
c. NO CALCIUM CHLORIDE SHALL BE PERMITTED
d. AIR ENTRAINMENT - ASTM C260
e. WATER REDUCING ADMIXTURE - ASTM C494
f. FLYASH - ASTM C618-78 CLASS F, 20% MAXIMUM BY WEIGHT
g. BLAST SLAG - ASTM C989, MAX 50%
h. SILICA FUME - ASTM C1240, MAX 10%
i. WATER - CLEAN AND POTABLE PER ASTM C1602
4. ALL CONCRETE EXPOSED TO WEATHER SHALL HAVE A MINIMUM AIR ENTRAINMENT OF 6% +/- 1% PER ACI-318 4.13.

B. PLACEMENT

- 1. RESTRICT THE ADDITION OF MIX WATER AT THE JOB SITE. DO NOT ADD WATER WITHOUT THE APPROVAL OF THE INSPECTORS ENGINEER AND DO NOT EXCEED SLUMP LIMITATIONS. USE COLD WATER FROM THE TRUCK TANK AND REMIX TO ACHIEVE CONSISTENCY. THE REPORTS SHALL INDICATE HOW MUCH WATER WAS ADDED AT THE JOB SITE.
2. ALL CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF BATCH TIME.
3. ALL CONCRETE SHALL BE CONSOLIDATED IN PLACE USING INTERNAL VIBRATORS.
4. ALL CONCRETE SHALL BE CURED IMMEDIATELY AFTER FINISHING OPERATIONS.
5. REPAIR AND PATCH DEFECTIVE AREAS WITH TYPE S OR M CEMENT MORTAR IMMEDIATELY AFTER REMOVAL OF FORMS, EXCEPT WHERE REINFORCING IS VISIBLE. CONTACT STRUCTURAL ENGINEER FOR EVALUATION OF EXPOSED REINFORCING.
6. PROVIDE KEVED JOINTS OR DOMELS BETWEEN ALL NON-MONOLITHIC INTERSECTING CONCRETE WALLS AND AT ALL CONCRETE JOINTS. ALL KEY WEAS SHALL BE MIN. 2x4 (1.5"x3.5").
7. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE PROPER DESIGN AND CONSTRUCTION OF ALL FORMWORK, SHOWING, AND REINFORCING.
8. GENERAL CONTRACTOR TO VERIFY ALL EMBEDDED ITEMS PRIOR TO POURING.
9. SEE ARCHITECTURAL DRAWINGS FOR REQUIRED CONCRETE FINISHES.
10. PROVIDE 3/4" CHAMBERS ON ALL EXPOSED CORNERS OF COLUMNS/PIERS, BEAMS, AND WALLS UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
11. STEP AND SLOPE ALL GARAGES, PATIOS, AND WALKWAYS MINIMUM 1/8" PER FOOT AWAY FROM THE BUILDING.

C. REINFORCING

- 1. ALL REINFORCING STEEL SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM A615 GRADE 60 AND DETAIL FABRICATED AND PLACED CONFORMING TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES. (ACI 315).
2. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL MESH EDGES SHALL LAP A MINIMUM OF 2 SQUARES U.N.O.
3. PROVIDE VAPOR BARRIER UNDER ALL CONCRETE SLABS ON GRADE, MIN. 6-MIL POLYETHYLENE U.N.O. ON PLAN.
4. CONCRETE COVER BETWEEN FACE OF REINFORCING BAR AND FACE OF CONCRETE SHALL BE PLACED ACCORDING TO THE FOLLOWING MINIMUM DIMENSIONS UNLESS NOTED OTHERWISE. ACI 117 TOLERANCES APPLY (3% MORE COVER IS OK, BUT NO LESS COVER THAN SPECIFIED):
a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3"
b. FORMED CONCRETE EXPOSED TO WEATHER OR EARTH WITH #6 THROUGH #18 BARS = 2" WITH #5 BARS AND SMALLER = 1 1/2"
c. FORMED CONCRETE NOT EXPOSED TO WEATHER OR EARTH BEAMS OR COLUMNS/PIERS (TIES, PRIMARY REINF. W/O TIES) = 1 1/2" SLABS OR WALLS WITH #11 AND SMALLER BARS, OR WWF = 3/4"
5. PROVIDE PROPERLY TIED SPACERS, CHAIRS, BOLSTERS, ETC. AS REQUIRED AND NECESSARY TO ASSEMBLE, PLACE AND SUPPORT ALL REINFORCING IN PLACE. USE WRS BAR TYPE SUPPORTS COMPLYING WITH CRSI RECOMMENDATIONS. USE PLASTIC TIE LESS ON ALL EXPOSED SURFACES.
6. REINFORCEMENT SPLICES SHALL BE LAP SPLICES PER ACI-318 CHAPTER 12 WITH A MINIMUM LAP OF 48 BAR DIAMETERS UNLESS NOTED OTHERWISE.
7. PROVIDE CORNER BARS AT ALL WALL, BEAM, AND FOOTING INTERSECTIONS. UNLESS NOTED OTHERWISE, MATCH CONTINUOUS REINFORCING.

STRUCTURAL STEEL

A. GENERAL

- 1. ALL PIPE SHALL BE ASTM A53, STANDARD WEIGHT. (fy = 35 KSI)
2. ALL HOLLOW STRUCTURAL SECTION (HSS) SHALL BE ASTM A500 (fy = 46 KSI WITH RECTANGULAR OR SQUARE HSS, fy = 42 KSI WITH ROUND HSS)
3. ALL W- SHAPE STEEL SHALL BE ASTM A992 (fy = 50 KSI)
4. ALL C- CHANNEL & ANGLE STEEL SHALL BE ASTM A36 (fy= 36 KSI)
5. NON-SHRINK GROUT FOR STEEL BEARING SHALL BE: NONMETALLIC SHRINKAGE-RESISTANT GROUT, PREMIXED, NONMETALLIC, NON-CORROSIVE, NON-STAINING PRODUCT CONTAINING SELECTED SILICA SANDS, PORTLAND CEMENT, SHRINKAGE COMPENSATING AGENTS, PLASTICIZING AND WATER-REDUCING AGENTS, COMPLYING WITH 15-2500-0201.
6. SIZE AND USE OF HOLES: SEE ASCE TABLE J3.1 UNLESS NOTED OTHERWISE.
a. LARGER HOLES ARE PERMITTED IN STANDARD COLUMN BASE PLATES. MAXIMUM HOLE DIAMETER = BOLT DIAMETER + 3/8". HARDENED WASHERS, TO COVER THE LARGER HOLE SHALL BE PROVIDED.
b. LARGER HOLES ARE NOT PERMITTED IN WIND FRAME COLUMN BASE PLATES. MAXIMUM HOLE DIAMETER = BOLT DIAMETER + 1/16". PLATE WASHERS WELDED TO THE BASE PLATE MAY BE USED.
c. SLOTTED HOLES: A PLATE WASHERS OR A CONTINUOUS BAR WITH STANDARD HOLES, HAVING A SIZE SUFFICIENT TO COMPLETELY COVER THE SLOT AFTER INSTALLATION, AND A MIN. OF 5/16" THICK SHALL BE PROVIDED. TACK WELD NUT TO BOLT AFTER ERECTION.
7. PAINTING: ONE COAT OF SHOP PAINT SHALL BE APPLIED TO ALL STRUCTURAL STEEL WITH THE EXCEPTION OF AREAS TO BE WELDED, AND STEEL BELOW GRADE WHICH SHALL BE HOT DIP GALVANIZED.
8. ALL BEAM WEB CONNECTIONS SHALL BE STANDARD DOUBLE ANGLE TYPE UNLESS DETAILED OTHERWISE. FOR DESIGN OF STANDARD CONNECTIONS USE THE LARGER OF EITHER THE SHEAR SHOWN ON THE DRAWINGS, (INDICATED AS "V-k" AT THE MEMBER ENDS), OR 55% OF THE TOTAL LOAD CAPACITY DERIVED FROM THE UNIFORM LOAD CONSTANTS TABLES, LATEST EDITION OF THE AISC CODE. ALLOWABLE STRESS REDUCTIONS MUST BE TAKEN WITH THE USE OF LONG SLOTTED HOLES.
9. PROVIDE A MINIMUM BEARING LENGTH OF 4" FOR ALL BEAMS SUPPORTED ON MASONRY/CONCRETE.
10. ALL STEEL COLUMNS MUST BE DIRECTLY SUPPORTED BY A STEEL BEAM OR CONTINUED/SPLICED TO A CONCRETE FOUNDATION WALL OR CONCRETE FOOTING UNLESS NOTED OTHERWISE ON PLAN.
11. PENETRATIONS THROUGH STEEL BEAMS SHALL BE ONLY PROVIDED AS DETAILED ON THE DRAWINGS. ALL SUCH OPENINGS SHALL BE MACHINE CUT IN THE SHOP.
12. NO SPLICES OR PENETRATIONS SHALL BE PERMITTED IN ANY STRUCTURAL STEEL MEMBER UNLESS SHOWN ON STEEL SHOP DRAWINGS APPROVED BY A LICENSED ENGINEER. ANY SUCH SPLICES SHALL BE DESIGNED IN ACCORDANCE WITH THE AISC "STRUCTURAL STEEL DETAILING" MANUAL.
13. ADJUSTABLE STEEL COLUMNS SHALL HAVE THE THREADS DISABLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

B. BOLTS

- 1. ANCHOR BOLTS SHALL BE ASTM A307, UNLESS NOTED OTHERWISE.
2. HIGH STRENGTH BOLTS SHALL BE ASTM A325, UNLESS NOTED OTHERWISE.
3. BOLTS AND BOLTED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" AS APPROVED BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS. USE BEARING TYPE BOLTS WITH THREAD ALLOWED ACROSS THE SHEAR PLANE.
4. ALL BEAM WEB CONNECTIONS SHALL BE DESIGNED TO CARRY BEAM REACTION AS NOTED AND SHALL HAVE NO FEWER 3/4" BOLTS THAN SHOWN BELOW:
a. W8 OR W10 BEAMS - 2 BOLTS
b. W12 BEAMS - 3 BOLTS
c. W14 OR W16 BEAMS - 4 BOLTS
d. W18 OR W21 BEAMS - 5 BOLTS
BOLTS SHALL BE PROVIDED IN A SINGLE ROW UNLESS NOTED OTHERWISE.

C. WELDING

- 1. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.1. ALL WELDING SHALL BE PERFORMED USING E70XX, LOW HYDROGEN ELECTRODES, UNLESS NOTED OTHERWISE. ELECTRODES ARE TO BE PROTECTED FROM MOISTURE.
2. ALL MISCELLANEOUS STEEL CONNECTIONS SHALL BE WELDED ALL AROUND WITH 1/4" FILLET WELD UNLESS OTHERWISE NOTED, EXCEPT FOR SLOTTED CONNECTIONS.
3. FULL PENETRATION WELDS SHALL BE MADE AGAINST A 3/4"x1" BACKER PLATE TACK WELDED IN PLACE BELOW THE WELD. PENETRATION WELDS SHALL BE EQUIVALENT IN DEPTH AND LENGTH TO THE PARTS JOINED.
4. NO FIELD WELDING OF GALVANIZED MEMBERS IS PERMITTED.



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Table with columns: DATE, ISSUE/REVISION, NO.

Table with columns: DATE, ISSUE/REVISION, NO.

GENERAL NOTES
NAIL RESIDENCE
5 PALMDELPHIA AVE, TAKOMA PARK, MD 20912
MOSS BUILDING & DESIGN

Drawn: Project No.: 24-025
Project: Scale: "AS NOTED"
Client:
Designed: Drawing No.:
Checked:
ASE, INC.
S-002 OF

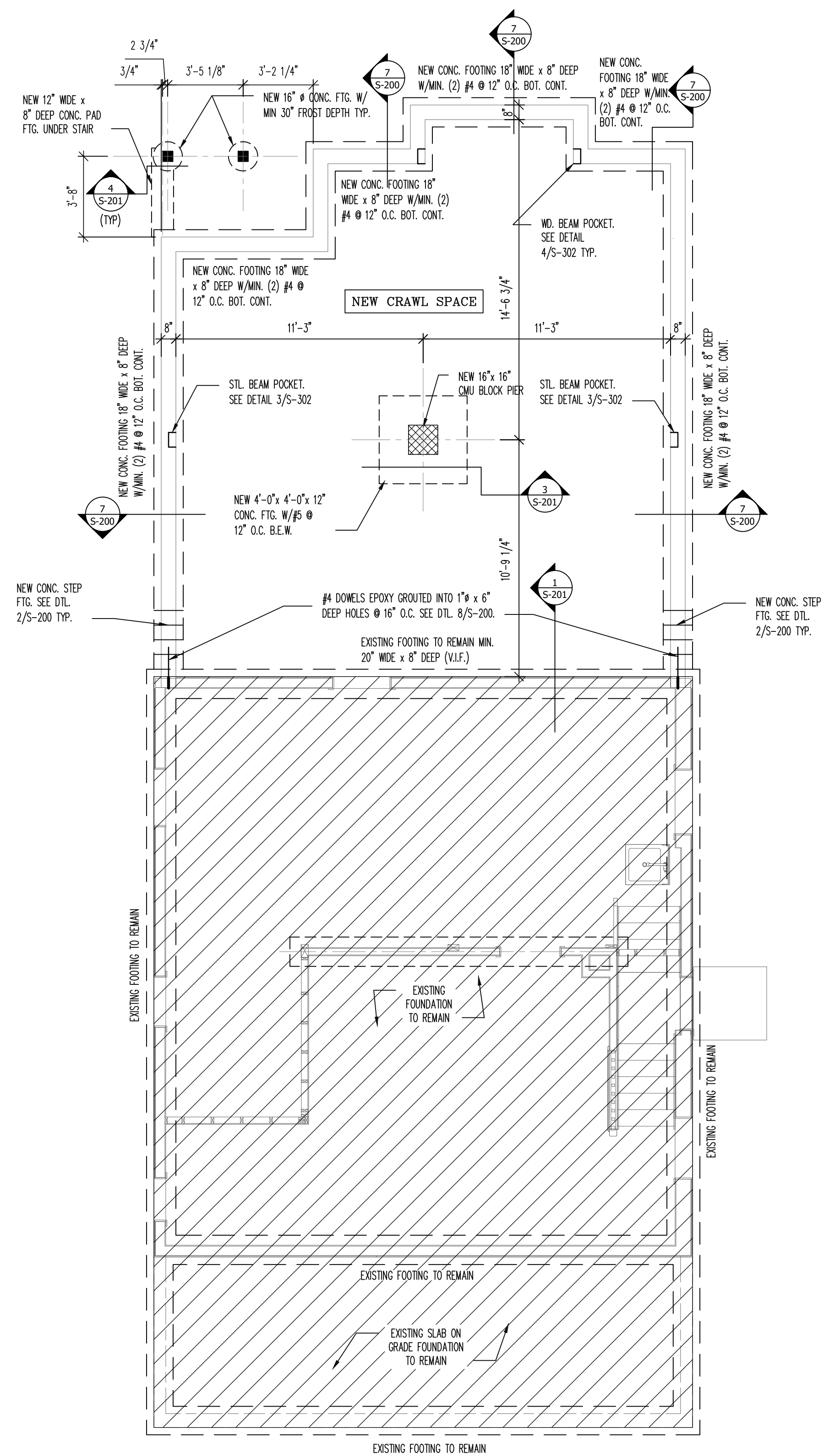


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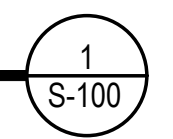
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- NOTES:**
- COORDINATE ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS AND NOTIFY STRUCTURAL ENGINEER IF ANY DISCREPANCY IS FOUND.
 - PROVIDE MINIMUM FROST DEPTH FOR ALL EXTERIOR FOOTINGS AND FOOTINGS IN UNHEATED AREAS AS NOTED IN THE DESIGN CRITERIA SECTION OF SHEET S-001.
 - THE FOUNDATION SHALL MEET THE REQUIREMENTS SPECIFIED ON:
 - SERIES S-001 - GENERAL NOTES & SCHEDULES
 - SERIES S-200 - FOUNDATION WALL DETAILS & REINFORCEMENT
 - PROVIDE 4" CONC. SLAB W/ 6x6-W/4x4 W/WF TYP. AT LOWEST INTERIOR LEVEL U.N.O.
 - PROVIDE 4" CONC. SLAB W/ #4 @ 12" O.C. B.E.W. TYP. AT GARAGE AND EXTERIOR SLABS U.N.O.
 - PROVIDE SLAB CONTROL JOINT PER TYPICAL DETAILS ON SHEET S-200.
 - PROVIDE MIN. 6-MIL POLYETHYLENE VAPOR BARRIER OVER MIN. 4" CRUSHED STONE OR GRAVEL BELOW ALL SLABS, TYP.

PROPOSED FOUNDATION PLAN

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



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LICENSE NO. 22008 - EXPIRATION DATE 01/01/2025

NO.	ISSUE/REVISION	DATE

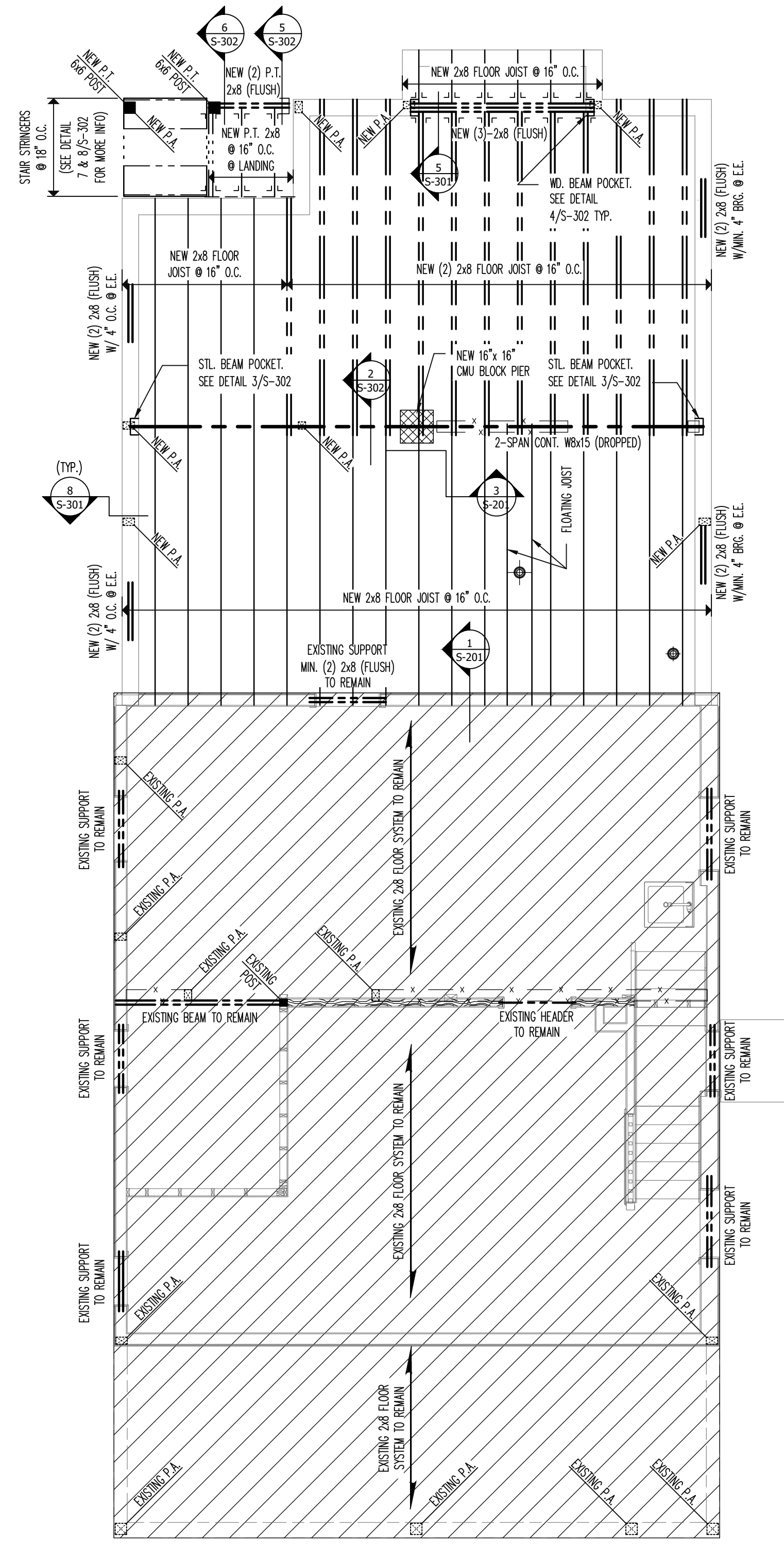
Drawing: **PROPOSED FOUNDATION PLAN**
Project: **NAIL RESIDENCE**
6 P JILADELPHIA AVE TAKOMA PARK, MD 20912
Client: **MOSS BUILDING & DESIGN**

Date: 1/9/2025	Project No.: 24-525
Drawn: ASE, INC.	Scale: "AS NOTED"
Designed: ASE, INC.	Drawing No.: S-100
Checked: ASE, INC.	OF 69



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- NOTES:**
- ALL NEW FLOOR FRAMING TO BE 2x8 FLOOR JOISTS @ 16" O.C. U.N.O.
 - THE FLOOR FRAMING SHALL MEET THE REQUIREMENTS SPECIFIED ON:
 - SERIES S-001 - GENERAL NOTES & SCHEDULES
 - SERIES S-300 - FRAMING DETAILS
 - SERIES S-400 - WALL BRACING DETAILS
 - PROTECT ALL UNTREATED LUMBER FROM EXPOSURE TO WEATHER. NOTIFY ENGINEER OTHERWISE.
 - SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS. NOTIFY STRUCTURAL ENGINEER IF ANY DISCREPANCY IS FOUND.
 - LEGEND:
 - INDICATES INTERIOR BEARING WALLS
 - INDICATES BRACED OR SHEAR WALL

NEW STUD WALL SCHEDULE U.N.O.			
LOCATION	FRONT & REAR EXTERIOR WALLS	SIDE EXTERIOR WALLS	INTERIOR BEARING WALLS
2ND FLOOR	2x6 @ 16" O.C.	2x6 @ 16" O.C.	2x6 @ 16" O.C.
1ST FLOOR	2x6 @ 16" O.C.	2x6 @ 16" O.C.	2x6 @ 16" O.C.
BASEMENT	N/A	N/A	N/A

NOTES:

- ALL BEARING WALL STUDS SHALL BE SPF #2 GRADE OR BETTER.
- ALL BEARING WALLS SHALL BE SHEATHED ON ONE SIDE MIN. INCLUDING BASEMENT AND ATTIC SPACES.
- ALL BRACED OR SHEAR WALLS (NON-BEARING) TO BE 2x4/2x6 @ 16" O.C. SPF #2 OR BETTER.
- NON-BEARING, NON-BRACED/SHEAR WALL STUDS MAY BE SPACED AT 24" O.C.
- ALL TWO STORY VOLUME WALLS TO BE (2) 2x6 @ 16" O.C. BALLOON FRAMED.

DESIGN CODE: VRC 2018
ULTIMATE WIND SPEED: 115 MPH
WIND EXPOSURE CATEGORY: B
SEISMIC DESIGN CATEGORY: B

PROPOSED FIRST FLOOR FRAMING PLAN

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

1
S-110



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NO.	ISSUE/REVISION	DATE

Drawing: **PROPOSED FIRST FLOOR FRAMING PLAN**
Project: **NAIL RESIDENCE**
Client: **6 PHILADELPHIA AVE TAKOMA PARK, MD 20912**
MOSS BUILDING & DESIGN

Date: 1/9/2025	Project No.: 24-525
Drawn: ASE, INC.	Scale: "AS NOTED"
Designed: ASE, INC.	Drawing No.: S-110
Checked: ASE, INC.	OF



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115	Ultimate Wind Speed (mph)	Notes:	1. Based on IRC table R602.10.3(1) for Length
B	Exposure		2. Based on IRC table R602.10.3(2) for Adjustment
3	No of Stories		3. Dimensions given in feet and decimal inches
1	Exposure Adjustment Factor		

Adjustment Inputs								Adjustment Factors							
Spacing	Table Length	Eave to Ridge Ht	Wall Ht	No of BWLs	If GB, GB4?	If WSP, Omit GB?	If WSP, Omit Blocking?	Eave to Ridge Ht	Wall Ht	No of BWLs	If GB, GB4?	If WSP, Omit GB?	If WSP, Omit Blocking?	Tot Adj	
24.50	8.85	11.25	9	3	NA	No	No	1.04	0.95	1.3	1	1	1	1.28	
24.50	8.85	11.25	9	3	NA	No	No	1.04	0.95	1.3	1	1	1	1.28	
26.25	9.38	11.25	9	3	NA	NA	NA	1.04	0.95	1.3	1	1	1	1.28	
24.13	7.53	11.25	9	2	NA	NA	NA	1.04	0.95	1	1	1	1	0.99	
22.00	7.00	11.25	9	2	NA	NA	NA	1.04	0.95	1	1	1	1	0.99	

Wall Bracing Tabl 2nd Floor Framing Plan				
Level	Label	Method	Length Req	Length Prov
R + 1 Flr	2.1	WSP	11.34	EXIS. + 8.00
R + 1 Flr	2.2	WSP	11.34	EXIS. + 8.00
R + 1 Flr	2.A	WSP	12.01	EXISTING
R + 1 Flr	2.B	CS-WSP	7.42	EXISTING
R + 1 Flr	2.C	CS-WSP	6.90	12.33

NOTES:

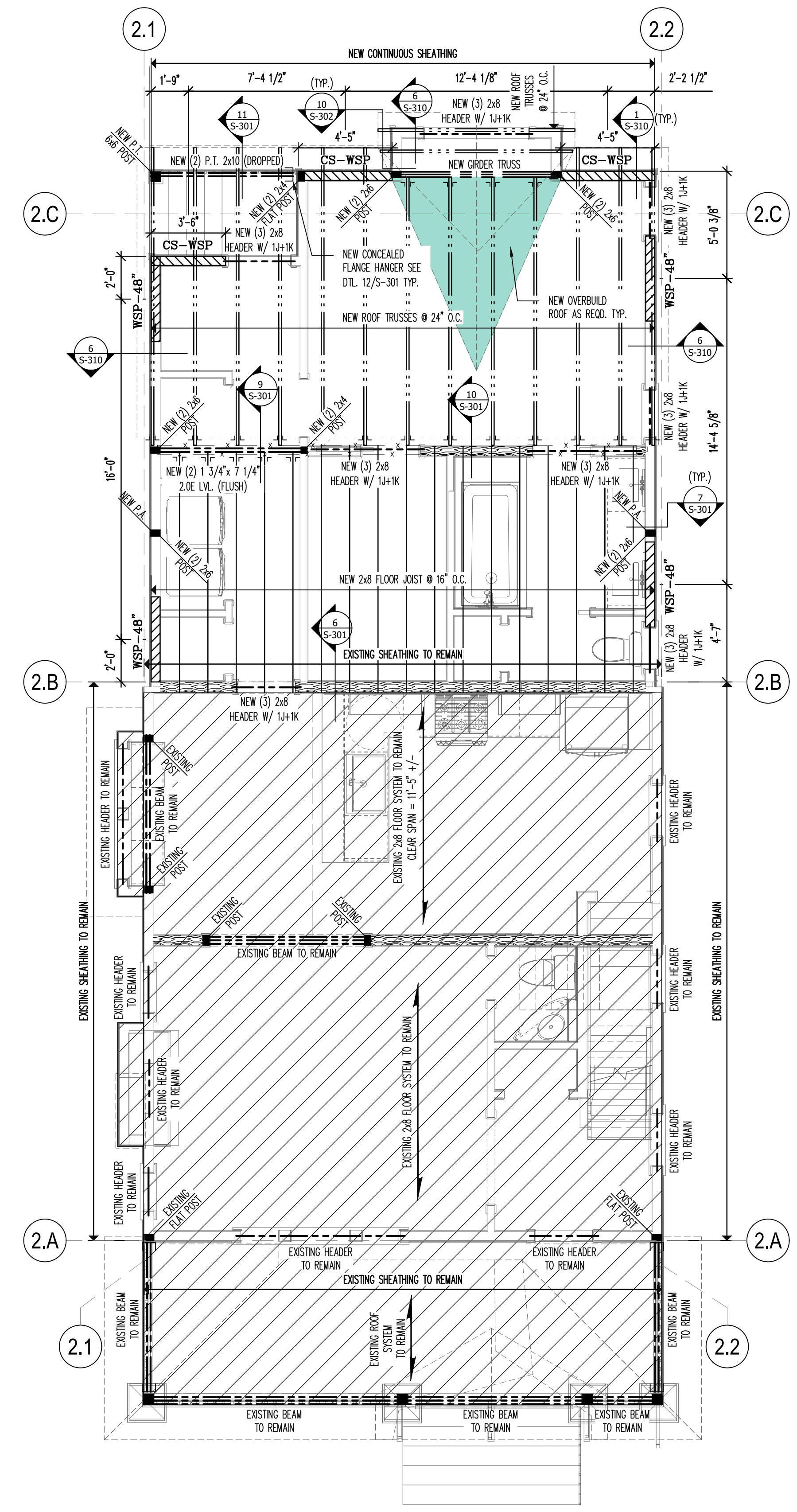
- ALL NEW FLOOR FRAMING TO BE 2x8 FLOOR JOISTS @ 16" O.C. U.N.O.
- THE FLOOR FRAMING SHALL MEET THE REQUIREMENTS SPECIFIED ON:
 - 2.1. SERIES S-300 - GENERAL NOTES & SCHEDULES
 - 2.2. SERIES S-300 - FRAMING DETAILS
 - 2.3. SERIES S-400 - WALL BRACING DETAILS
- PROTECT ALL UNTREATED LUMBER FROM EXPOSURE TO WEATHER. NOTIFY ENGINEER OTHERWISE.
- SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS. NOTIFY STRUCTURAL ENGINEER IF ANY DISCREPANCY IS FOUND.
- LEGEND:
 - INDICATES INTERIOR BEARING WALLS
 - INDICATES BRACED OR SHEAR WALL

NEW STUD WALL SCHEDULE U.N.O.			
LOCATION	FRONT & REAR EXTERIOR WALLS	SIDE EXTERIOR WALLS	INTERIOR BEARING WALLS
2ND FLOOR	2x6 @ 16" O.C.	2x6 @ 16" O.C.	2x6 @ 16" O.C.
1ST FLOOR	2x6 @ 16" O.C.	2x6 @ 16" O.C.	2x6 @ 16" O.C.
BASEMENT	N/A	N/A	N/A

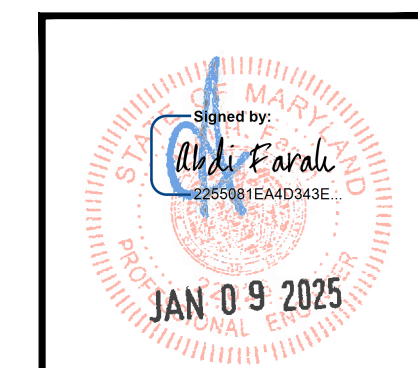
NOTES:

- ALL BEARING WALL STUDS SHALL BE SPF #2 GRADE OR BETTER.
- ALL BEARING WALLS SHALL BE SHEATHED ON ONE SIDE MIN. INCLUDING BASEMENT AND ATTIC SPACES.
- ALL BRACED OR SHEAR WALLS (NON-BEARING) TO BE 2x4/2x6 @ 16" O.C. SPF #2 OR BETTER.
- NON-BEARING, NON-BRACED SHEAR WALL STUDS MAY BE SPACED AT 24" O.C.
- ALL TWO STORY VOLUME WALLS TO BE (2) 2x6 @ 16" O.C. GALLOON FRAMED.

DESIGN CODE: VRC 2018
ULTIMATE WIND SPEED: 115 MPH
WIND EXPOSURE CATEGORY: B
SEISMIC DESIGN CATEGORY: B



PROPOSED SECOND FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0" 1
S-120



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Scale: "AS NOTED"
Designed by: ASE, INC.
Drawing No.: S-120
Checked by: ASE, INC.
Client: MOSS BUILDING & DESIGN

NO.	ISSUE/REVISION	DATE

Drawing: **PROPOSED SECOND FLOOR FRAMING PLAN**
Project: **NAIL RESIDENCE**
Client: **MOSS BUILDING & DESIGN**
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115	Ultimate Wind Speed (mph)	Notes: 1. Based on IRC table R602.10.3(1) for Length
B	Exposure	2. Based on IRC table R602.10.3(2) for Adjustment
3	No of Stories	3. Dimensions given in feet and decimal inches
1	Exposure Adjustment Factor	

Spacing	Table Length	Adjustment Inputs						Adjustment Factors						Tot Adj
		Eave to Ridge Ht	Wall Ht	No of BWLs	If GB, GB4?	If WSP, Omit GB?	If WSP, Omit Blocking?	Eave to Ridge Ht	Wall Ht	No of BWLs	If GB, GB4?	If WSP, Omit GB?	If WSP, Omit Blocking?	
24.50	4.40	11.25	8	2	NA	No	No	1.08	0.9	1	1	1	1	0.97
24.50	4.40	11.25	8	2	NA	No	No	1.08	0.9	1	1	1	1	0.97
26.25	4.13	11.25	8	3	NA	NA	NA	1.08	0.9	1.3	1	1	1	1.26
18.75	3.31	11.25	8	3	NA	NA	NA	1.08	0.9	1.3	1	1	1	1.26
11.25	2.19	11.25	8	3	NA	No	No	1.08	0.9	1.3	1	1	1	1.26

Level	Label	Method	Length Req	Length Prov
Roof	3.1	WSP	4.26	EXIS. + 8.00
Roof	3.2	WSP	4.26	EXIS. + 8.00
Roof	3.A	CS-WSP	5.19	EXISTING
Roof	3.B	CS-WSP	4.17	EXISTING
Roof	3.C	WSP	2.75	8.00

NOTES:

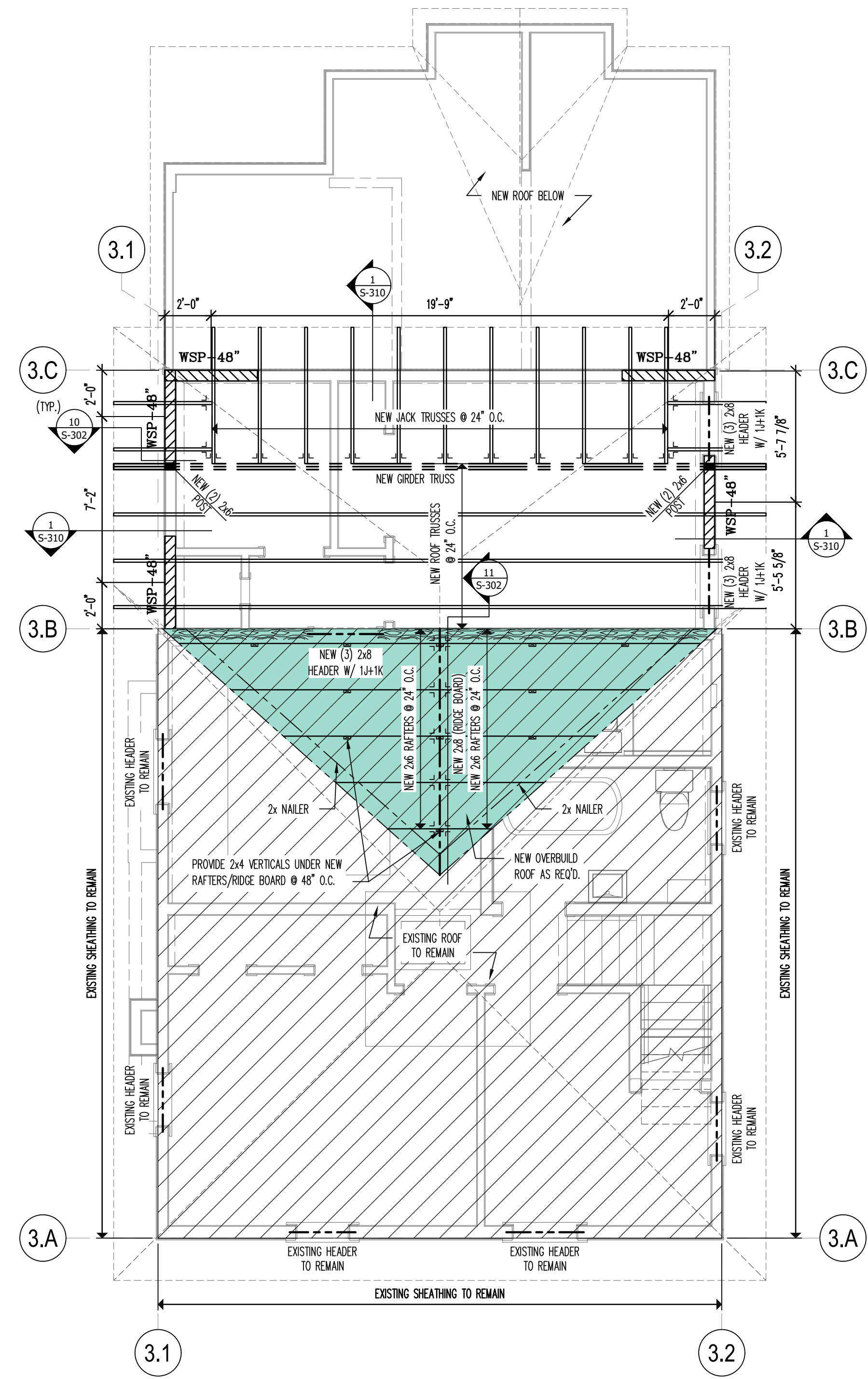
- ALL NEW ROOF FRAMING TO BE PRE-ENGINEERED WOOD ROOF TRUSSES @ 24" O.C. U.N.O.
- THE ROOF FRAMING SHALL MEET THE REQUIREMENTS SPECIFIED ON:
 - SERIES S-001 - GENERAL NOTES & SCHEDULES
 - SERIES S-300 - FRAMING DETAILS
 - SERIES S-400 - WALL BRACING DETAILS
- PROJECT ALL UNTREATED LUMBER FROM EXPOSURE TO WEATHER. NOTIFY ENGINEER OTHERWISE.
- SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS. NOTIFY STRUCTURAL ENGINEER IF ANY DISCREPANCY IS FOUND.
- LEGEND:
 - INDICATES INTERIOR BEARING WALLS
 - INDICATES BRACED OR SHEAR WALL

LOCATION	FRONT & REAR EXTERIOR WALLS	SIDE EXTERIOR WALLS	INTERIOR BEARING WALLS
2ND FLOOR	2x6 @ 16" O.C.	2x6 @ 16" O.C.	2x6 @ 16" O.C.
1ST FLOOR	2x6 @ 16" O.C.	2x6 @ 16" O.C.	2x6 @ 16" O.C.
BASEMENT	N/A	N/A	N/A

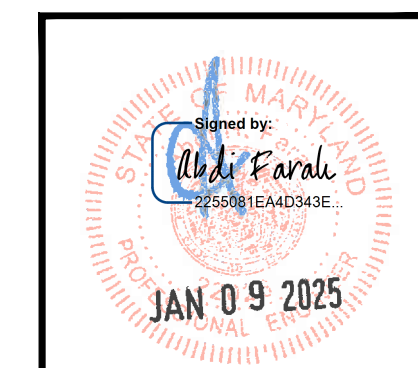
NOTES:

- ALL BEARING WALL STUDS SHALL BE SPF #2 GRADE OR BETTER.
- ALL BEARING WALLS SHALL BE SHEATHED ON ONE SIDE MIN., INCLUDING BASEMENT AND ATTIC SPACES.
- ALL BRACED OR SHEAR WALLS (NON-BEARING) TO BE 2x4/2x6 @ 16" O.C. SPF #2 OR BETTER.
- NON-BEARING, NON-BRACED/SHEAR WALL STUDS MAY BE SPACED AT 24" O.C.
- ALL TWO STORY VOLUME WALLS TO BE (2) 2x6 @ 16" O.C. BALLOON FRAMED.

DESIGN CODE: VRC 2018
ULTIMATE WIND SPEED: 115 MPH
WIND EXPOSURE CATEGORY: B
SEISMIC DESIGN CATEGORY: B



PROPOSED ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"
1
S-130



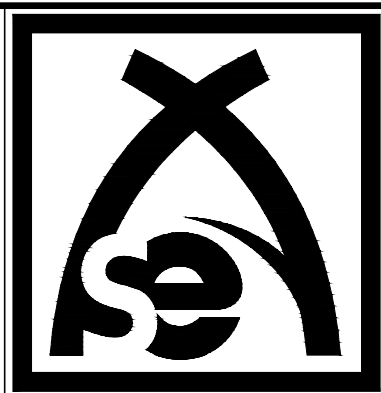
NO.	ISSUE/REVISION	DATE

PROPOSED ROOF FRAMING PLAN
NAIL RESIDENCE
6 PHILADELPHIA AVE TAKOMA PARK, MD 20912
MOSS BUILDING & DESIGN

Drawing: _____
Project: _____
Client: _____

Date: 1/9/2025	Project No.: 24-525
Drawn: ASE, INC.	Scale: "AS NOTED"
Designed: ASE, INC.	Drawing No.: S-130
Checked: ASE, INC.	OF

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR SUPERVISED BY ME AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 25081 - EXPIRATION DATE 01/09/2025

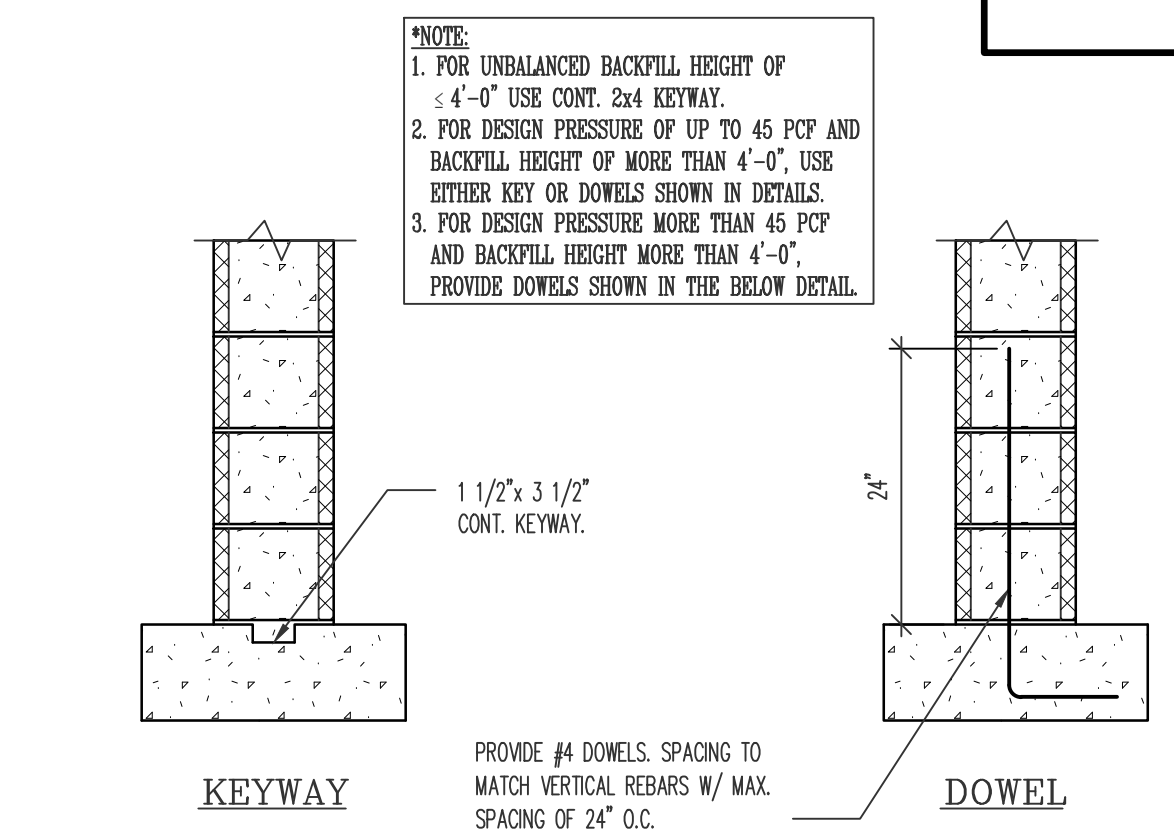
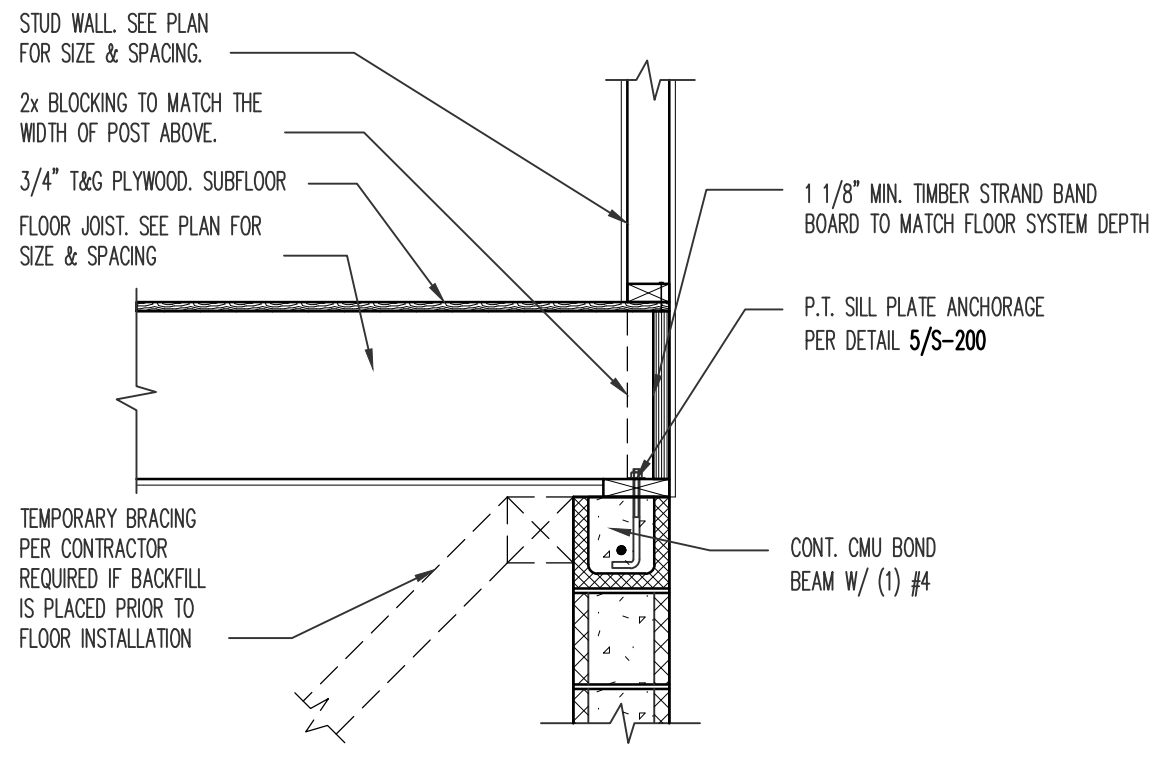


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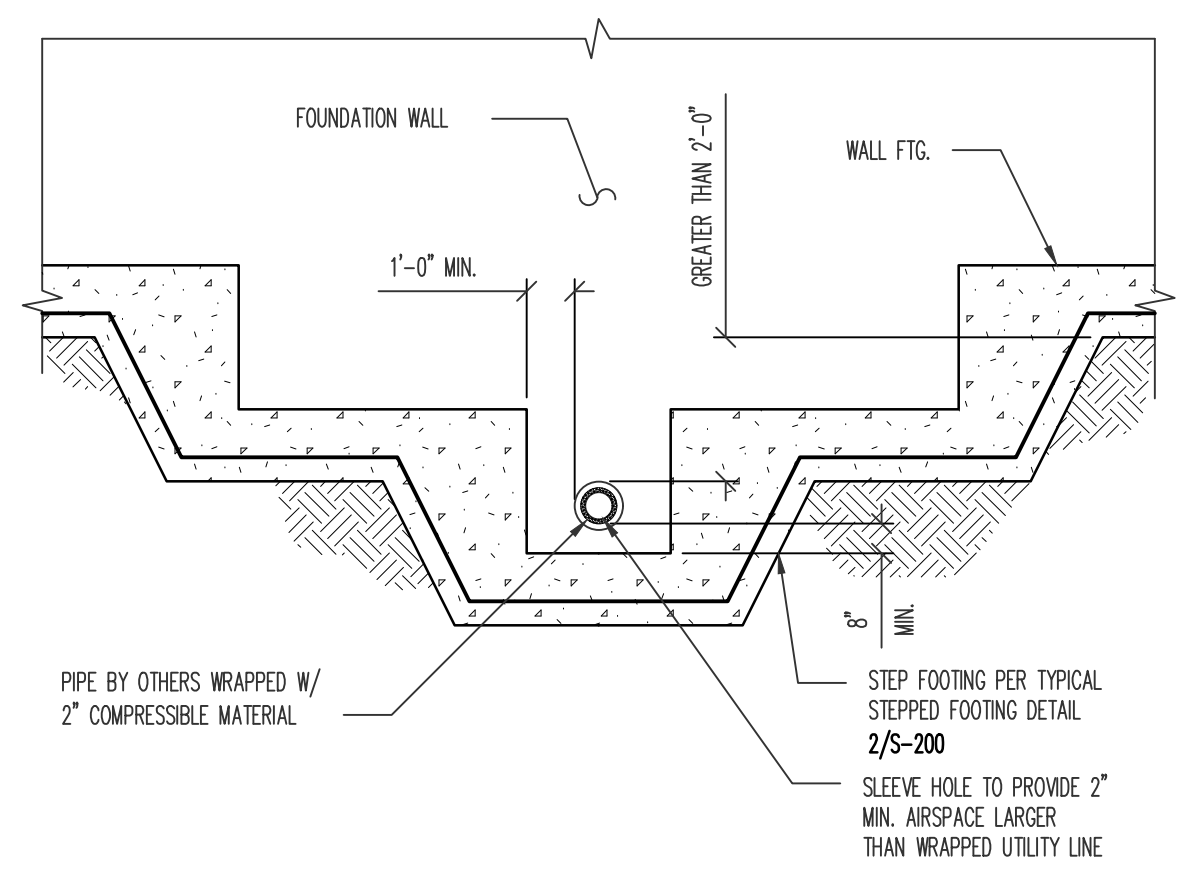
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***NOTE:**
DO NOT BACKFILL WALL UNTIL FLOOR JOISTS ARE IN PLACE OR TOP OF CONC. WALL IS BRACED. BASEMENT SLAB IS IN PLACE AND HAS GAINED 75% OF SPECIFIED STRENGTH.

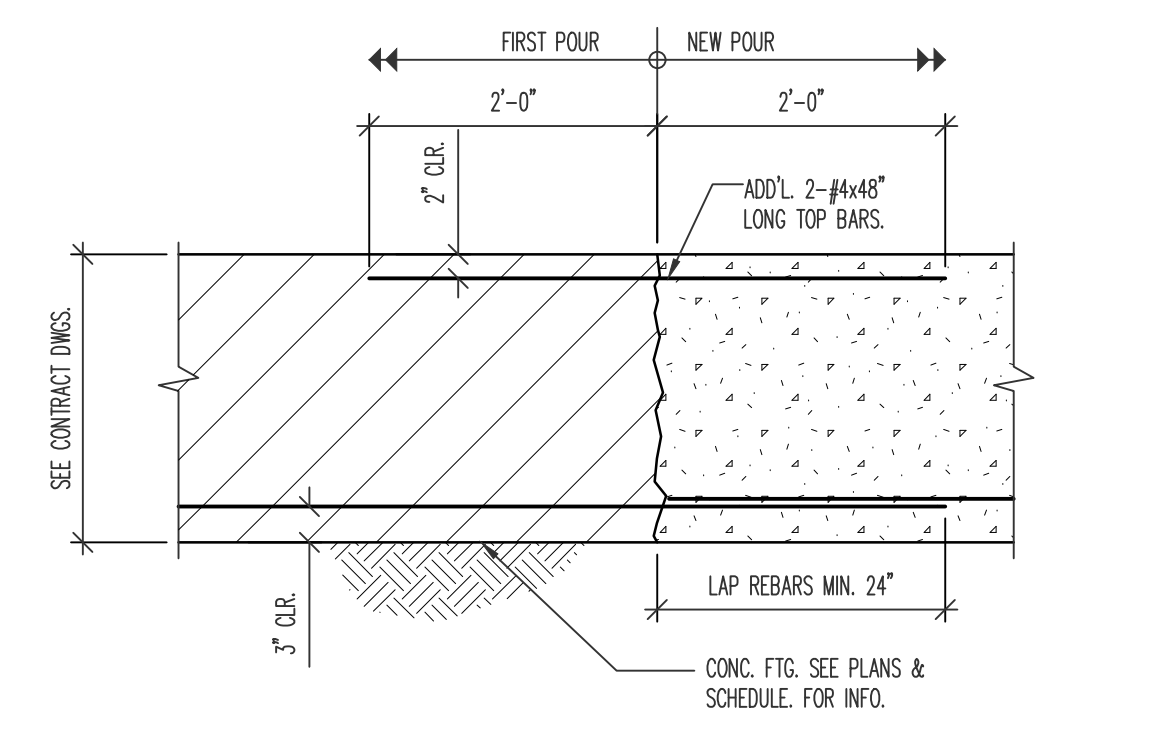
***NOTE:**
REFERENCE FASTENING SCHEDULE ON SHEET S-003 FOR TYPICAL MEMBER CONNECTION REQUIREMENTS.



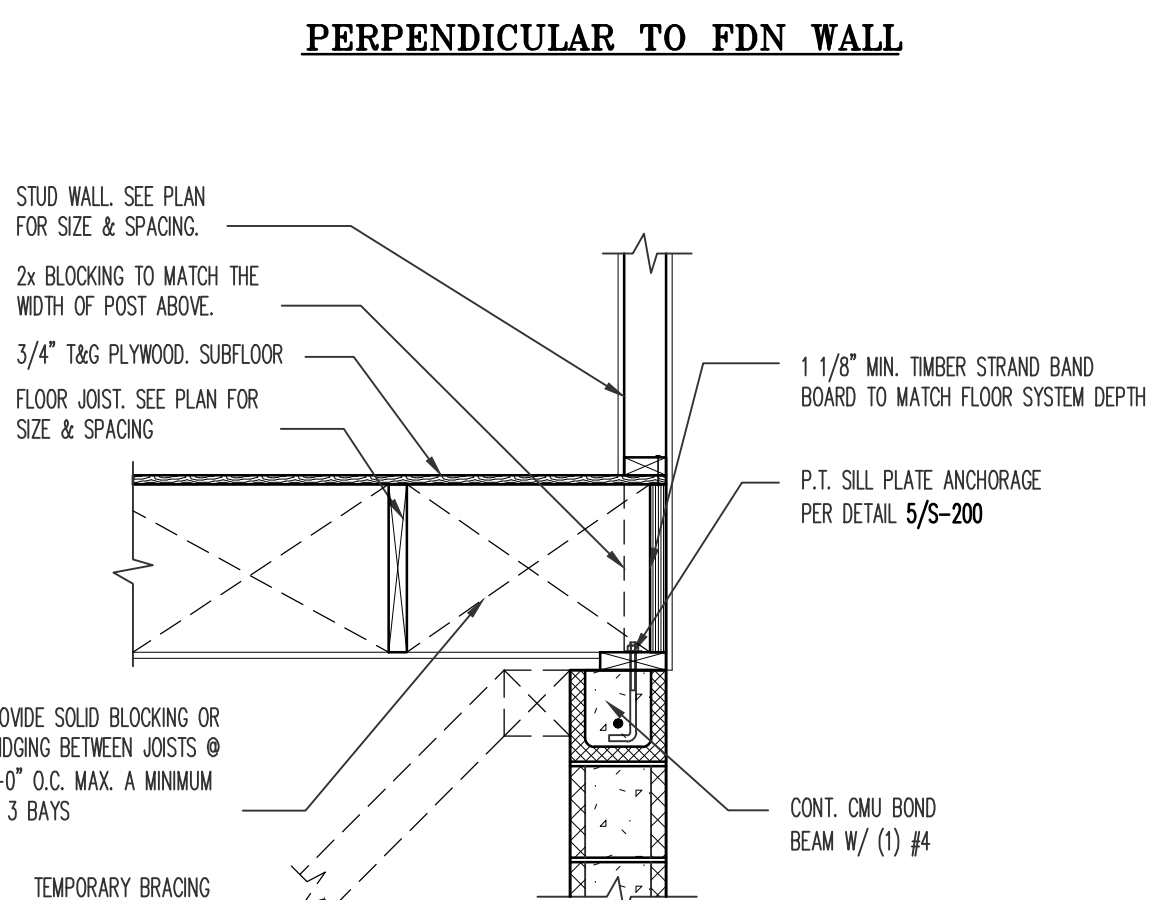
TYP. WALL TO FOOTING JOINT
SCALE: 3/4" = 1'-0"
6 S-200



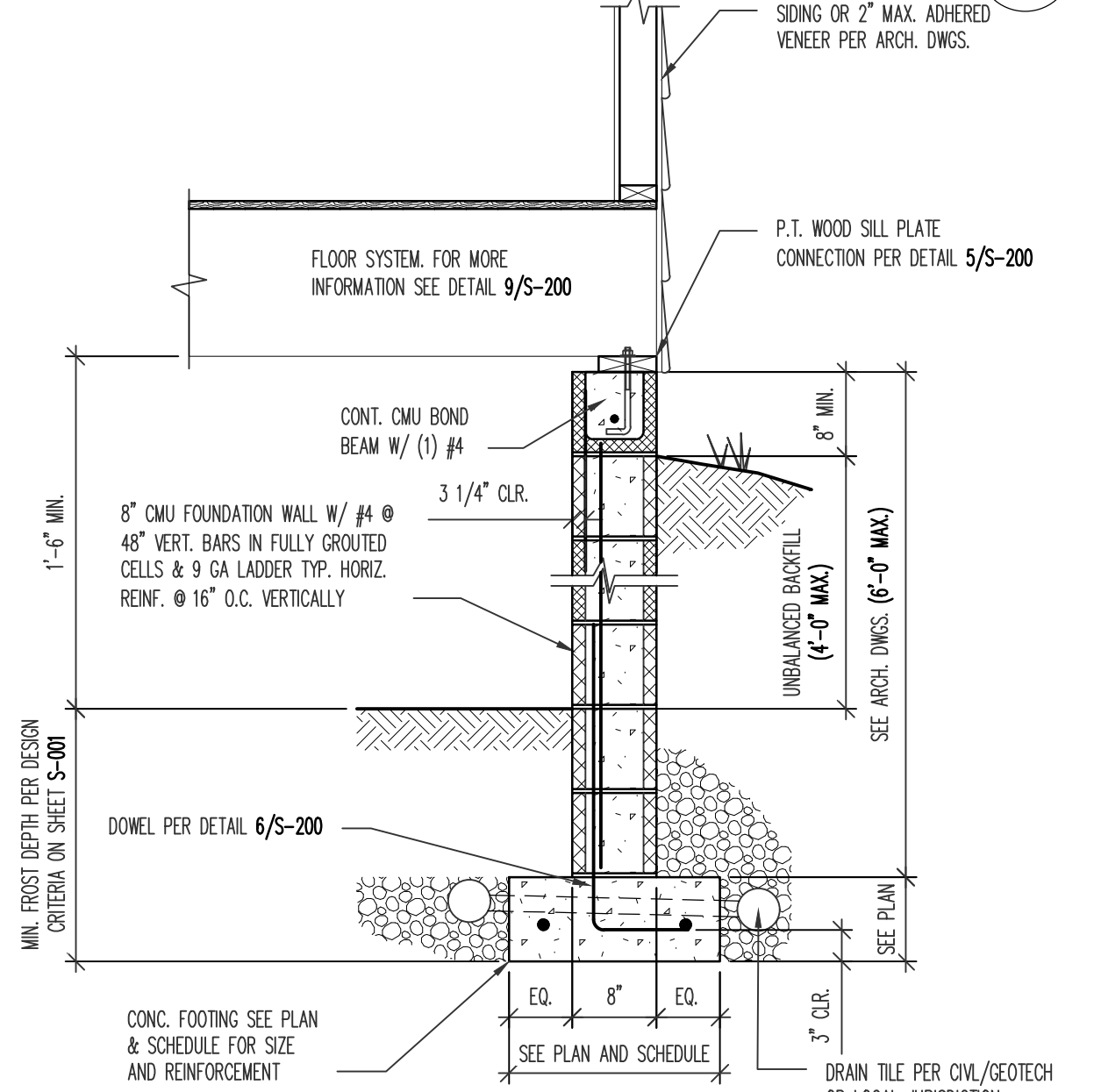
TYP. PIPE THRU CONC. WALL
SCALE: N.T.S.
4 S-200



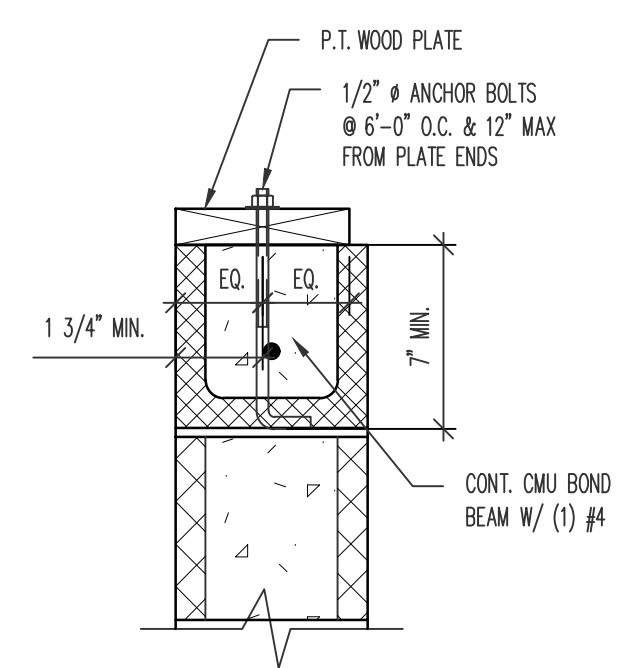
TYP. FOOTING COLD JOINT
SCALE: N.T.S.
1 S-200



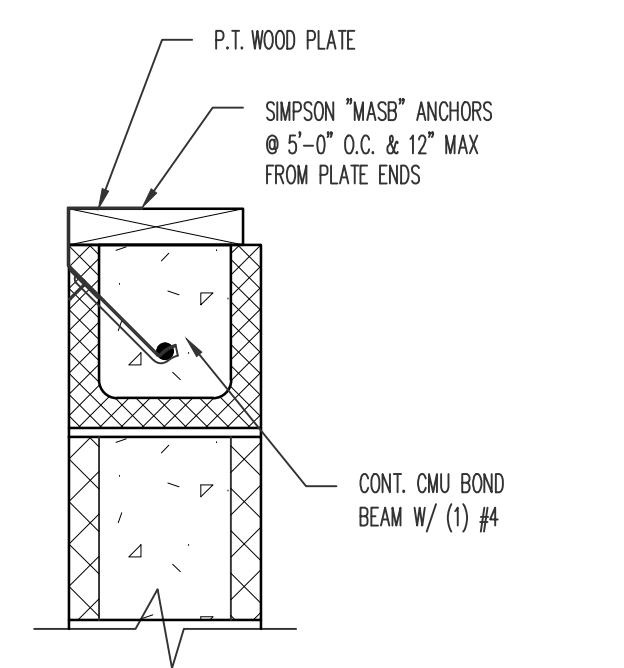
TYP. FLOOR SYSTEM AT FDN. WALL PERPENDICULAR TO FDN WALL
SCALE: 3/4" = 1'-0"
9 S-200



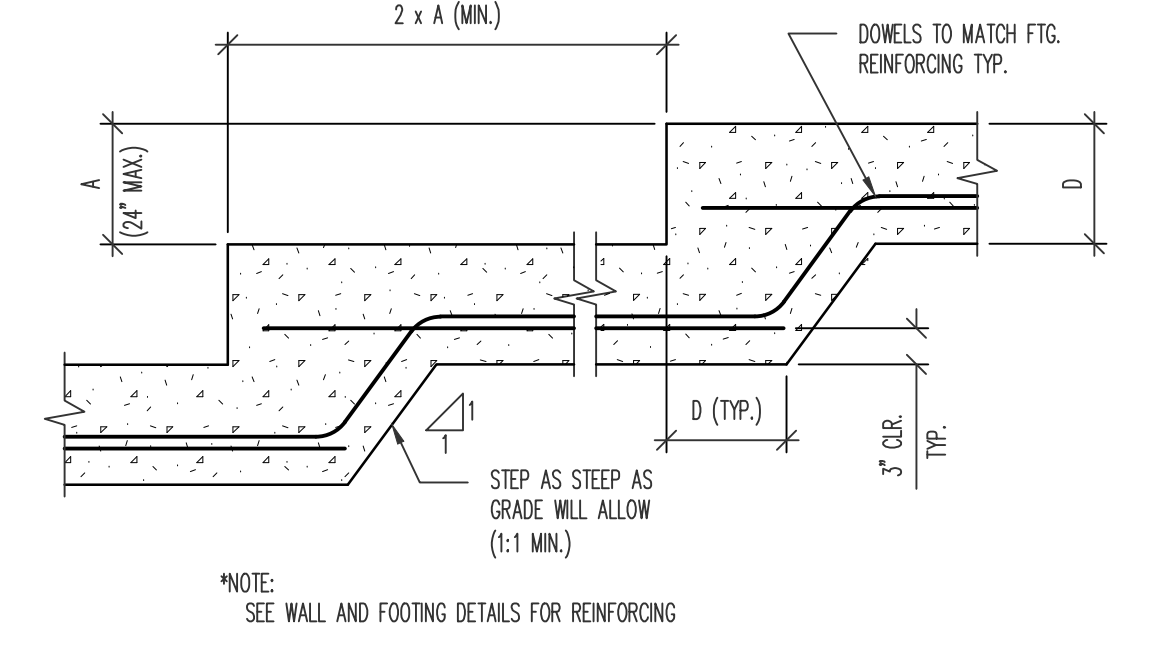
TYP. FOUNDATION WALL W/ SIDING OR 2" MAX ADHERED VENEER
SCALE: N.T.S.
7 S-200



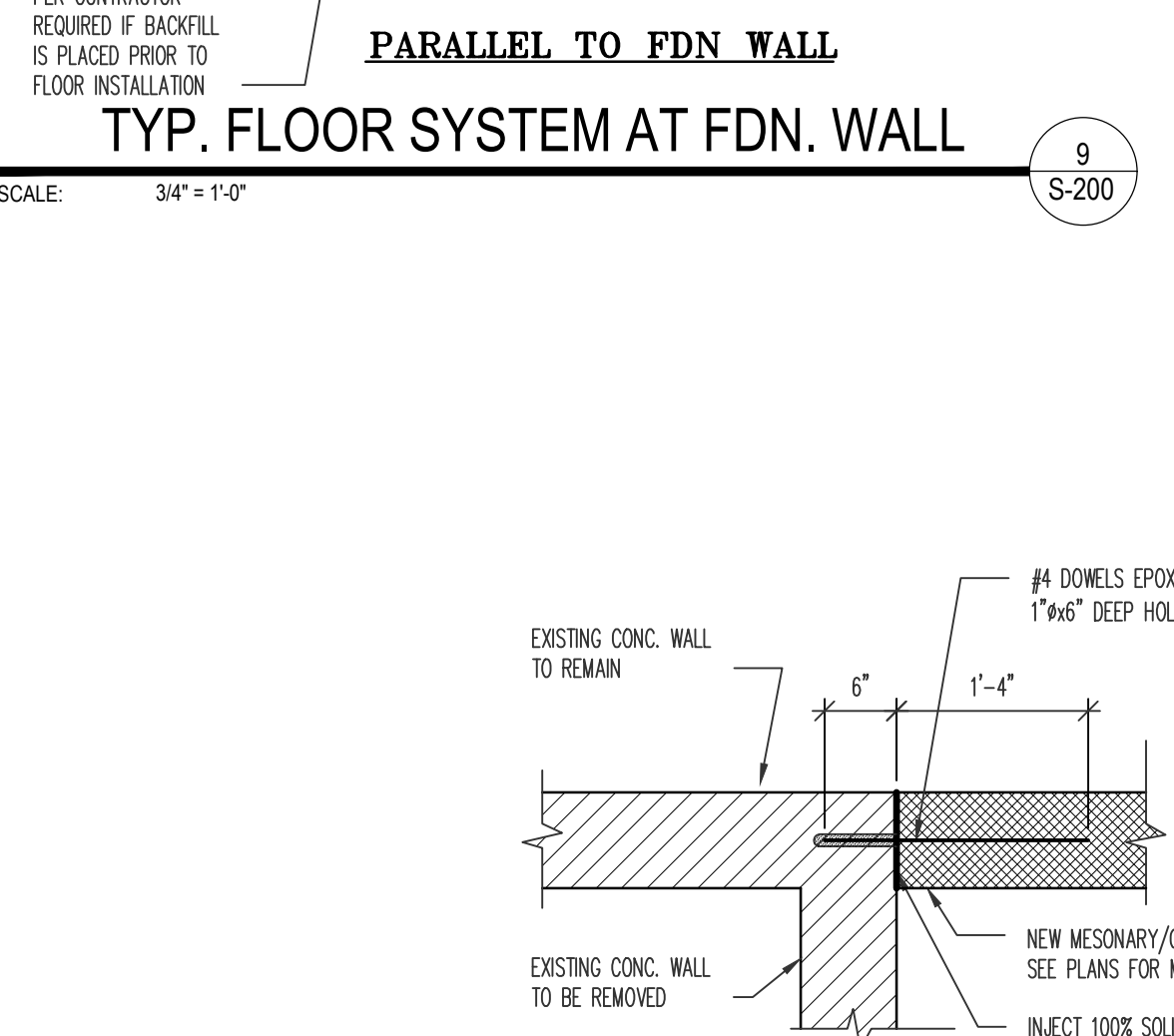
OPT. NO. 1



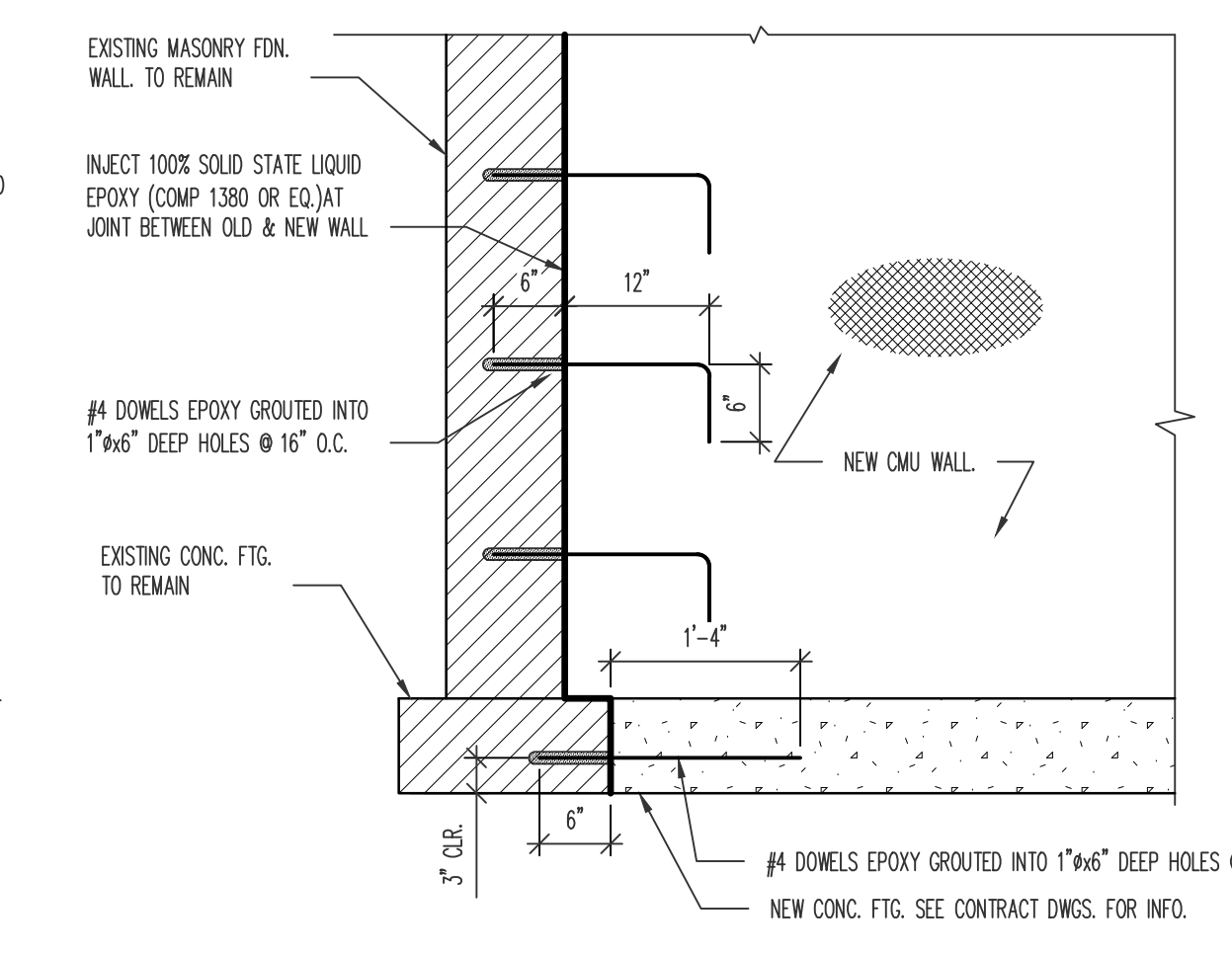
OPT. NO. 2



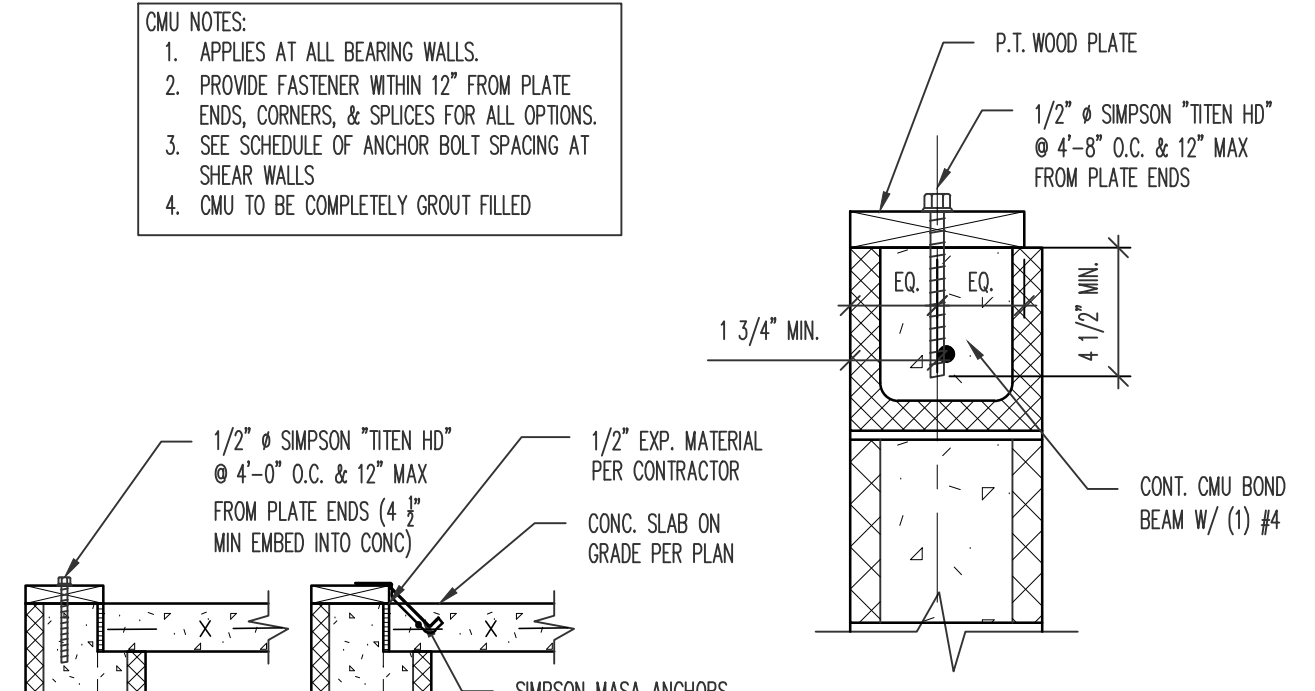
TYP. CONC. FOOTING STEP
SCALE: N.T.S.
2 S-200



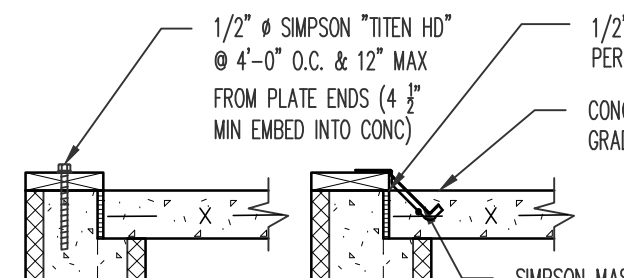
TYP. FLOOR SYSTEM AT FDN. WALL PARALLEL TO FDN WALL
SCALE: 3/4" = 1'-0"
9 S-200



SECTION
SCALE: 3/4" = 1'-0"
8 S-200

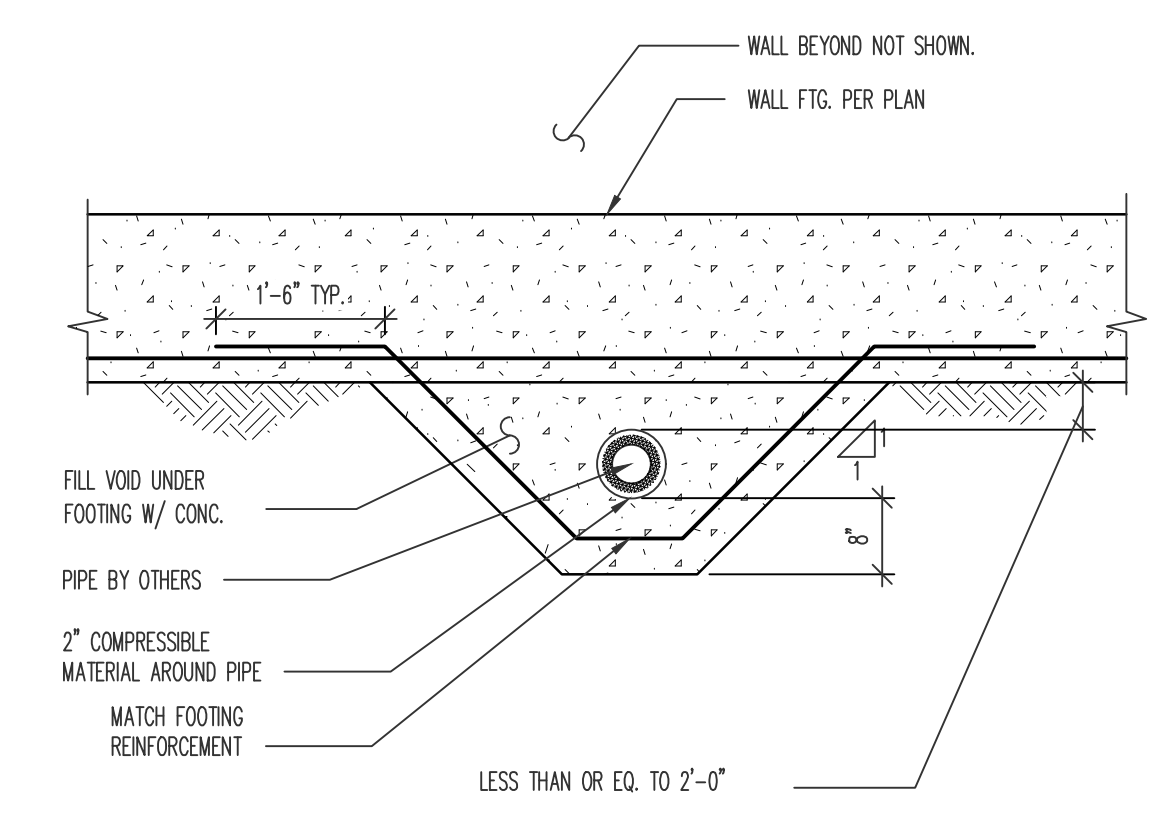


OPT. NO. 3

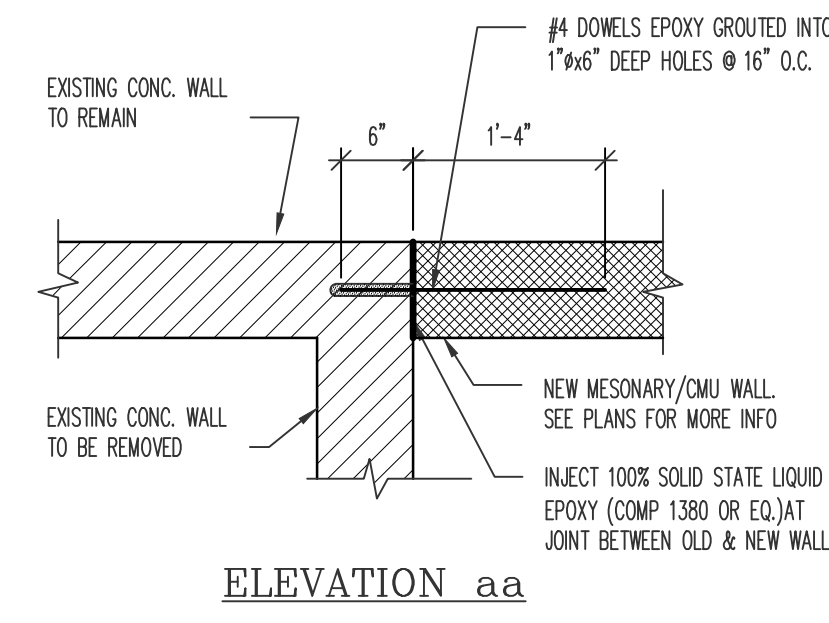


OPT. NO. 4

TYP. WOOD PLATE TO CMU (NON SHEAR WALL)
SCALE: N.T.S.
5 S-200



TYP. PIPE UNDER CONC. FOOTING
SCALE: N.T.S.
3 S-200



ELEVATION aa
SCALE: 3/4" = 1'-0"

NO.	ISSUE/REVISION	DATE

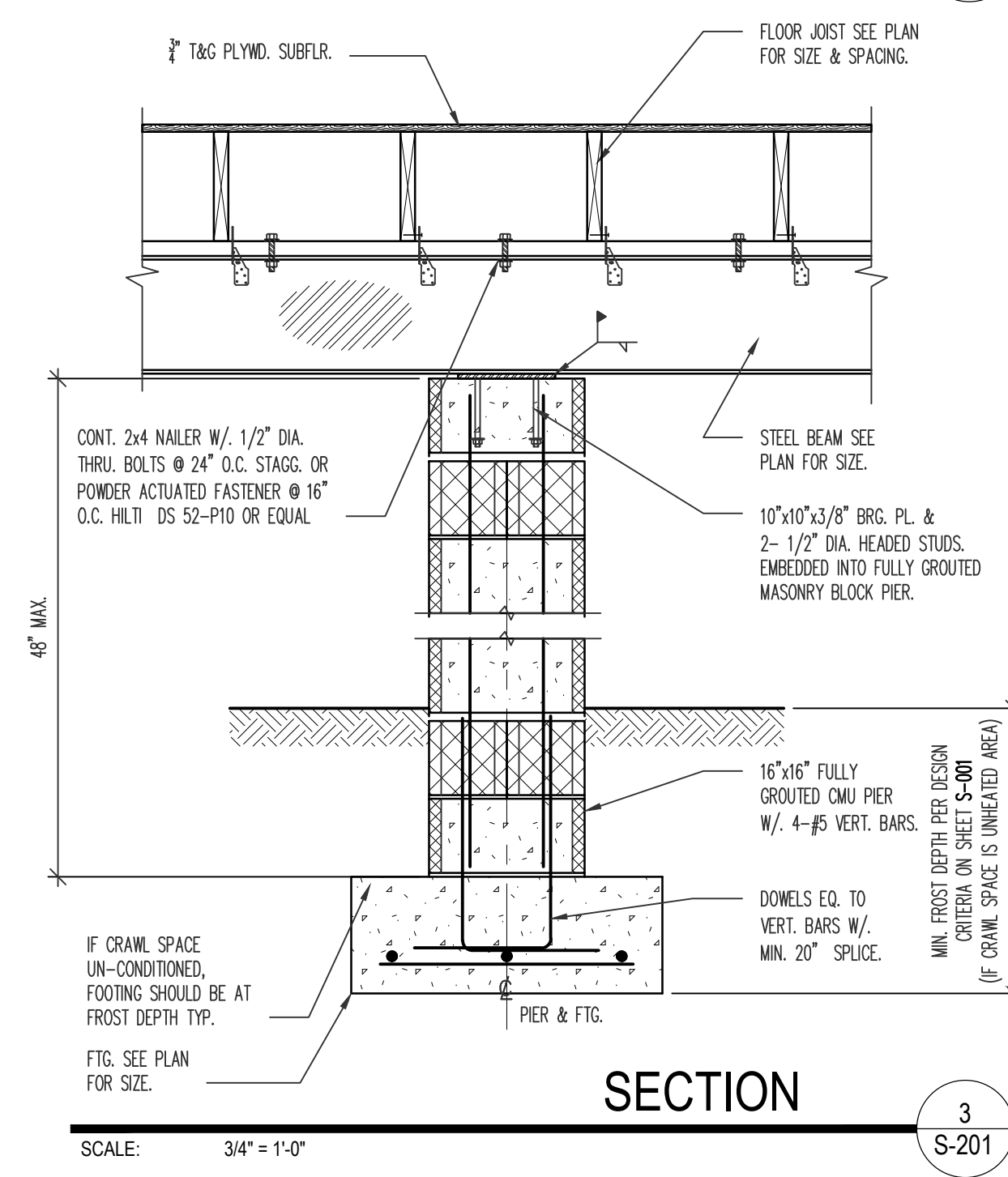
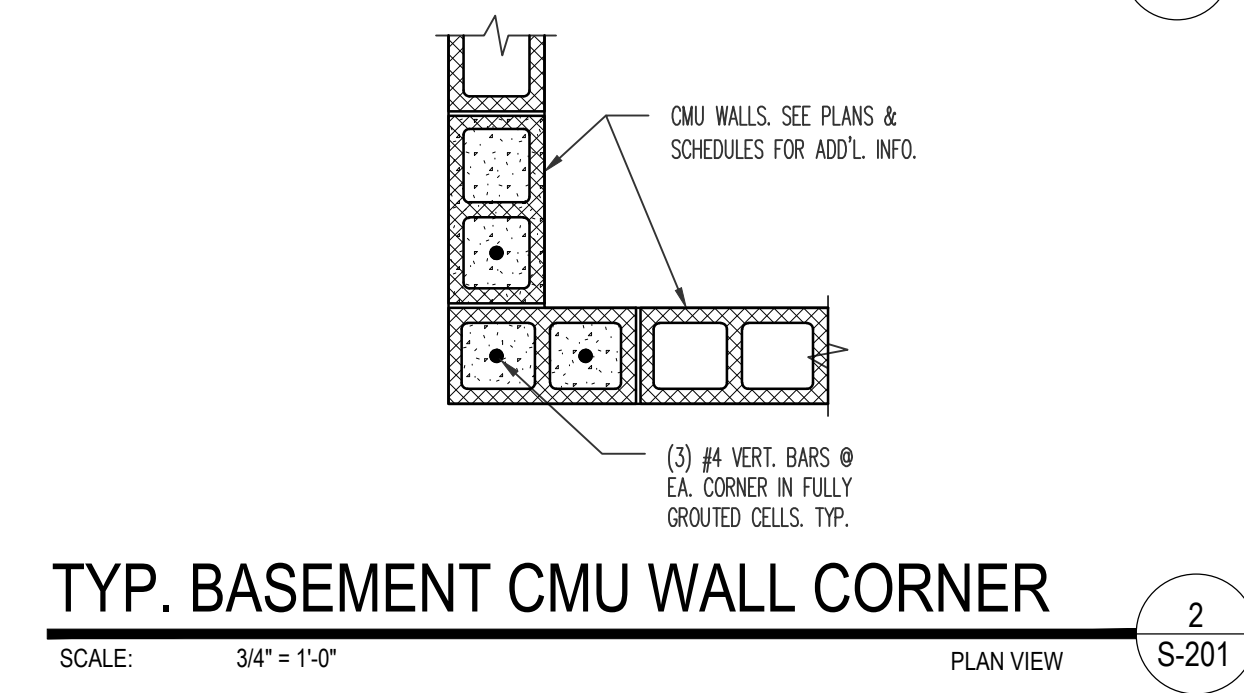
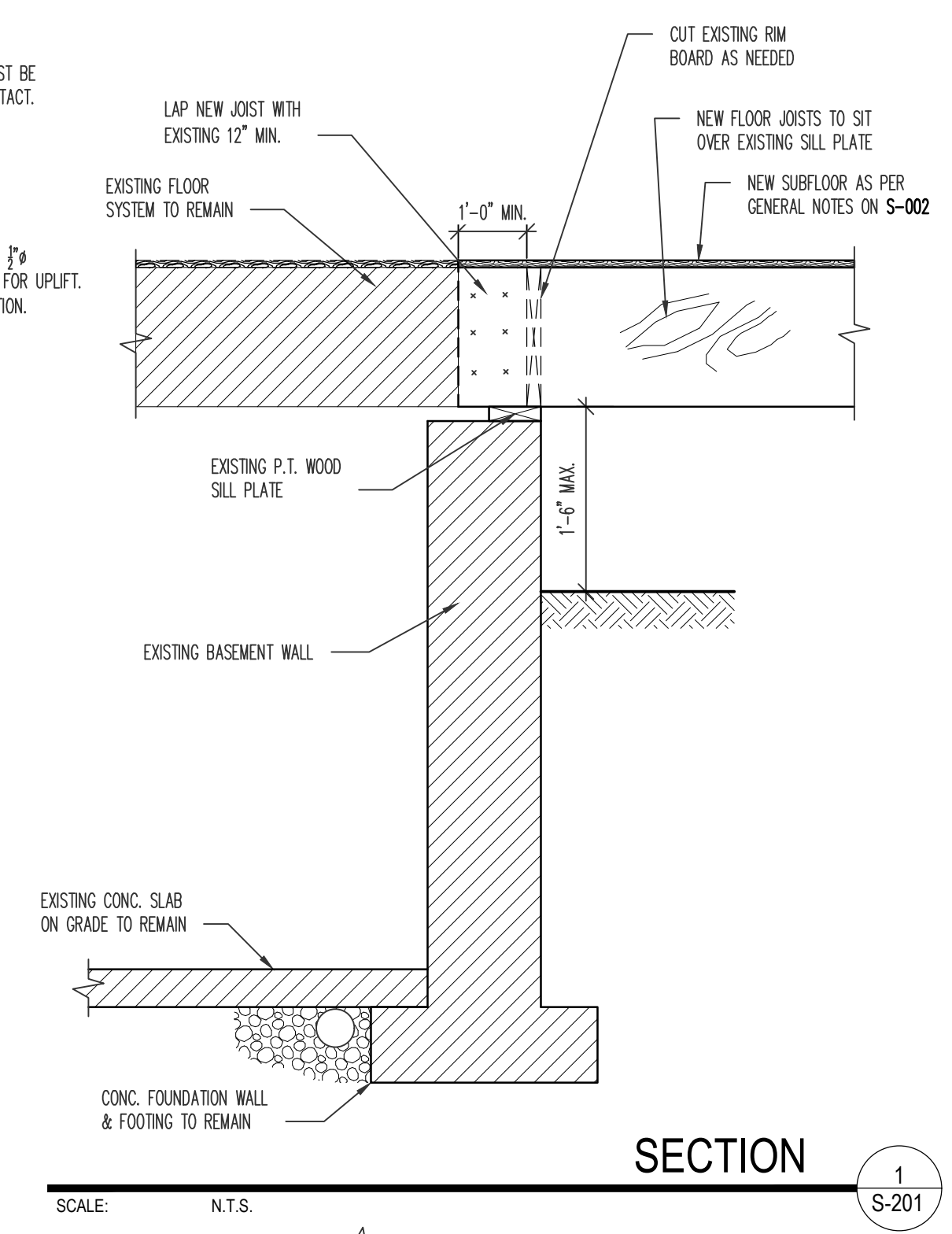
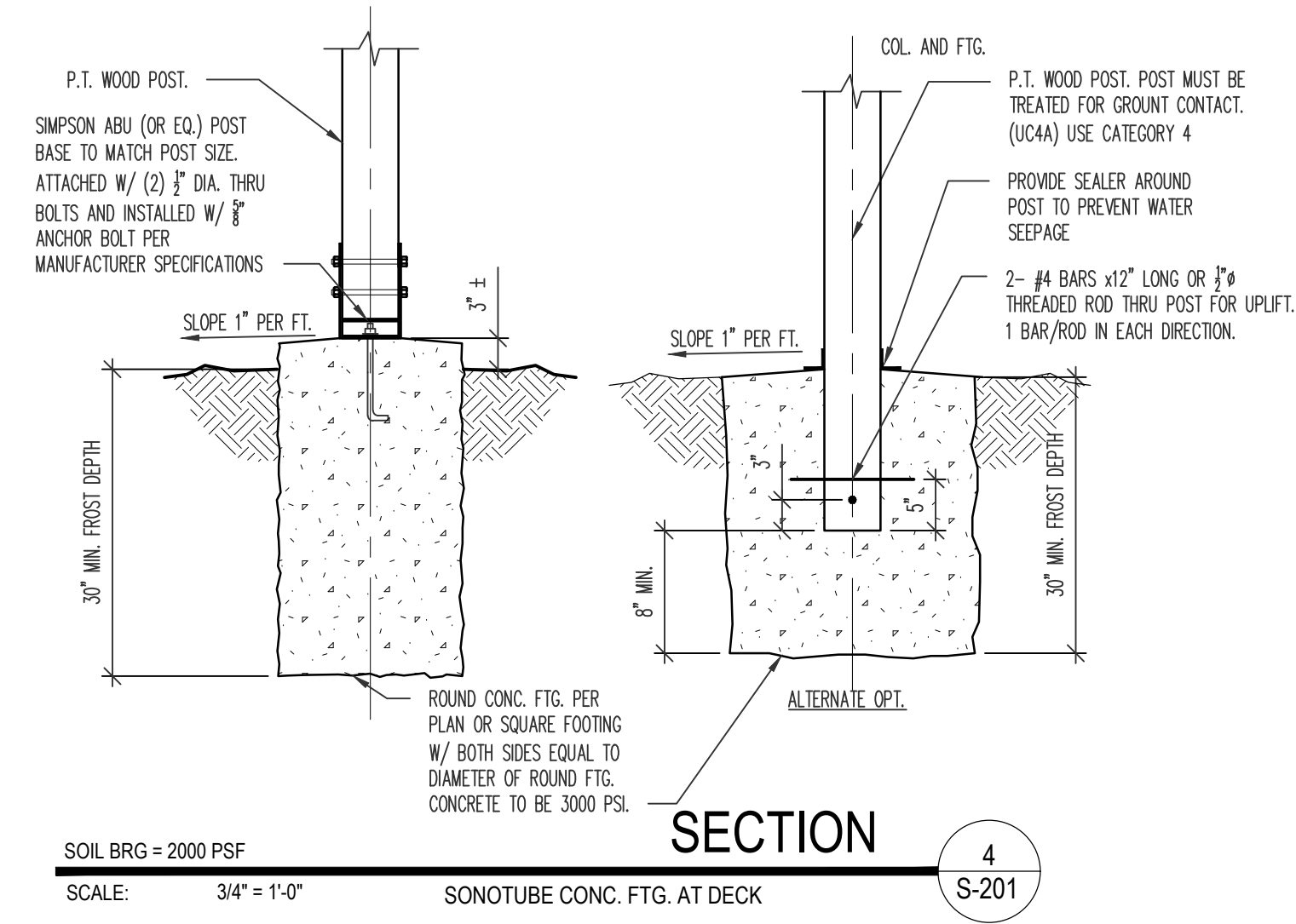
FOUNDATION DETAILS
NAIL RESIDENCE
6 PHILADELPHIA AVE TAKOMA PARK, MD 20912
MOSS BUILDING & DESIGN

Drawing: _____
Project: _____
Client: _____



PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A duly LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 12055 - EXPIRATION DATE 01/09/2025

Date: 1/9/2025
Project No.: 24-525
Drawn: ASE, INC.
Designed: ASE, INC.
Checked: ASE, INC.
Scale: "AS NOTED"
Drawing No.: S-200
OF

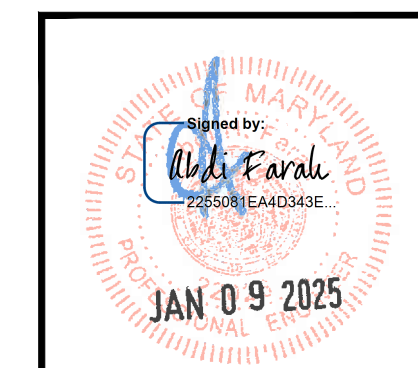


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NO.	ISSUE/REVISION	DATE

Drawing: FOUNDATION DETAILS
Project: NAIL RESIDENCE
Client: 5 PHILADELPHIA AVE TAKOMA PARK, MD 20912
MOSS BUILDING & DESIGN

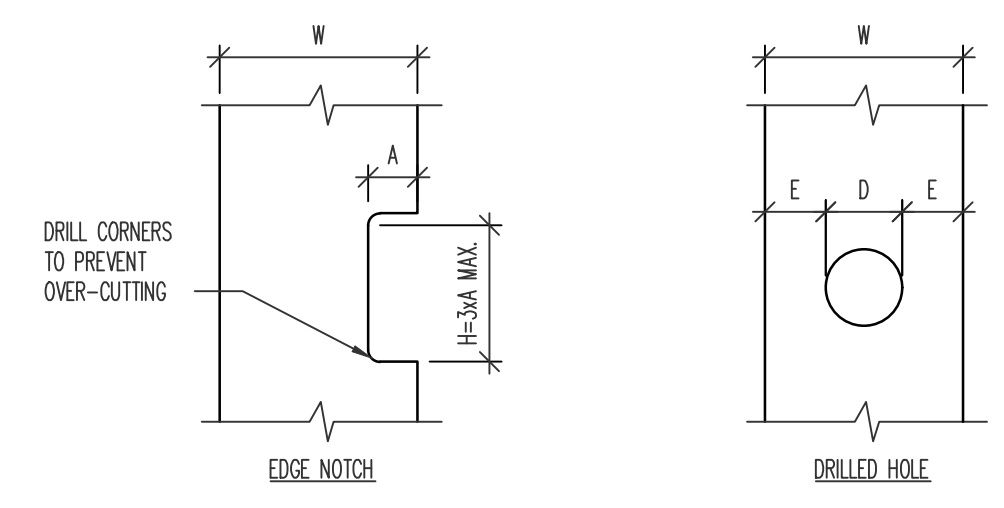


Date: 1/9/2025	Project No.: 24-525
Drawn: ASE, INC.	Scale: "AS NOTED"
Designed: ASE, INC.	Drawing No.: S-201
Checked: ASE, INC.	OF



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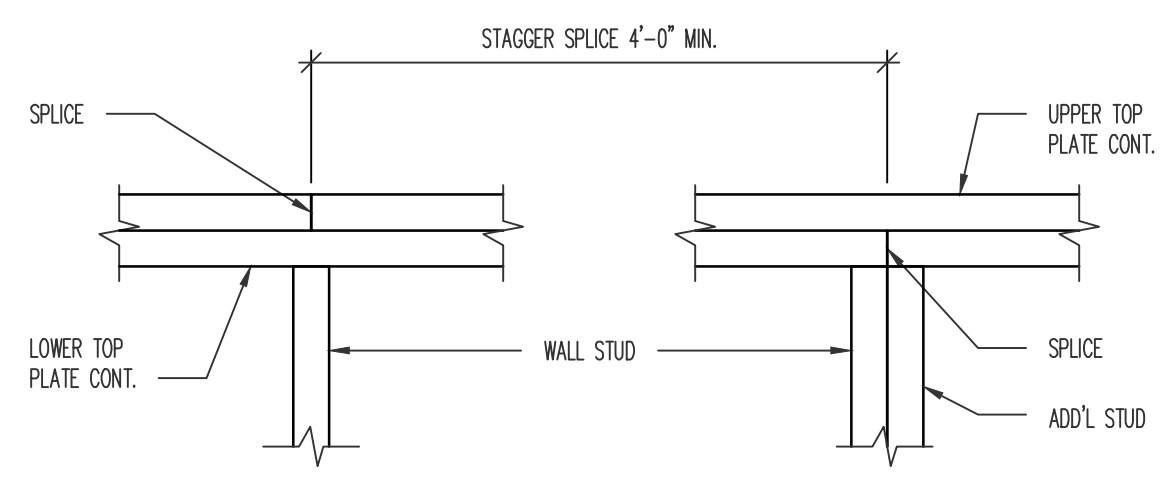


"W"	"A" MAX. (25%)	"D" MAX. W/ ONE STUD (40%)	"D" MAX. W/ TWO STUDS (60%)	"E" MIN.
2x4	7/8"	1 3/8"	2 1/8"	5/8"
2x6	1 3/8"	2 1/8"	3 1/4"	5/8"
2x8	1 3/4"	2 7/8"	4 1/4"	5/8"

NOTES:
1. NOTCHES AND HOLES SHALL NOT OCCUR IN THE SAME CROSS SECTION.
2. EDGE NOTCHES OR DRILLED HOLES OUTSIDE THE LIMITS OF THESE GUIDELINES, INCLUDING ALL CONDITIONS WHERE THREE OR MORE WALL STUDS IN A ROW ARE DRILLED OR NOTCHED SHALL BE DESIGNED BY A STRUCTURAL ENGINEER.

TYP. STUD PENETRATION LIMITS

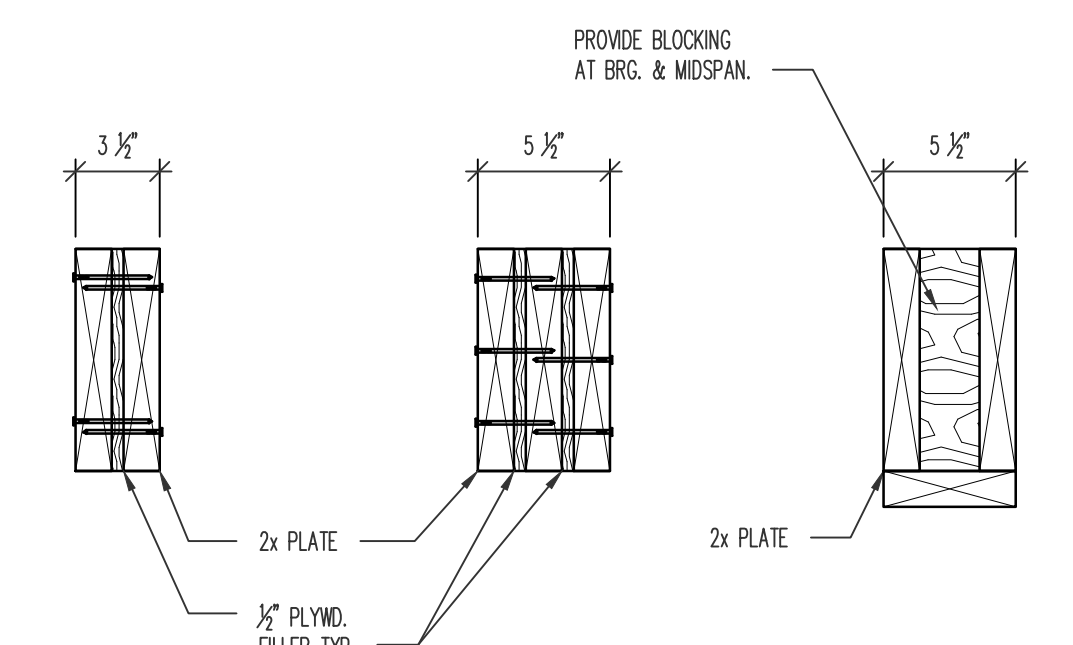
SCALE: 3/4" = 1'-0" 9 S-300



NOTES:
1. INSTALL TOP PLATES IN MINIMUM 8'-0" LENGTHS.
2. DO NOT SPLICE TOP PLATES IN WALL SECTIONS LESS THAN 8'-0" IN LENGTH.
3. PROVIDE MINIMUM (1) WALL STUD AT ALL TOP PLATE SPLICES.
4. LAP SPLICE ALL TOP PLATES AT WALL INTERSECTIONS.
5. SEE FASTENING SCHEDULE FOR CONNECTIONS.

TYPICAL TOP PLATE SPLICE

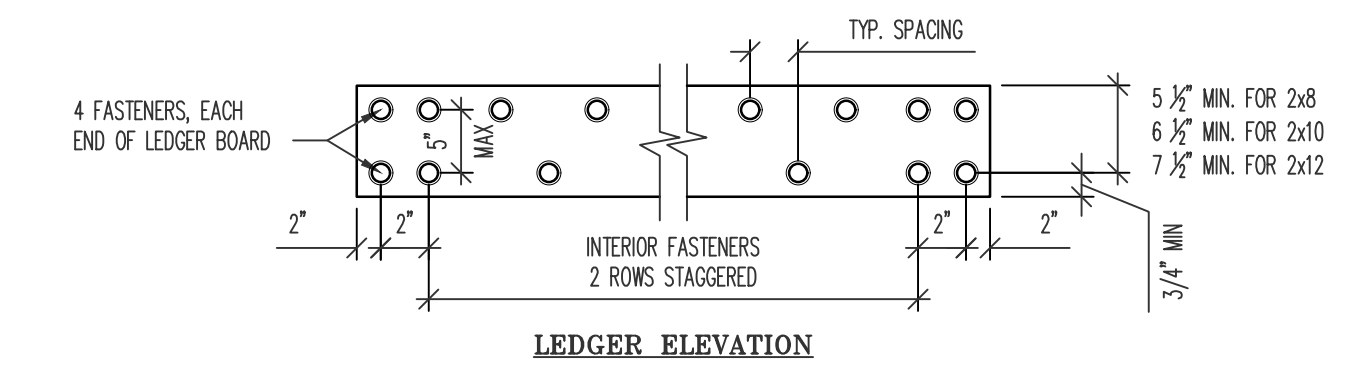
SCALE: 3/4" = 1'-0" 6 S-300



2-2x HEADER @ 2x4 WALL
3-2x HEADER @ 2x6 WALL
2-2x HEADER @ 2x8 WALL

TYP. MULTIPLE HEADER CONN.

SCALE: N.T.S. 3 S-300

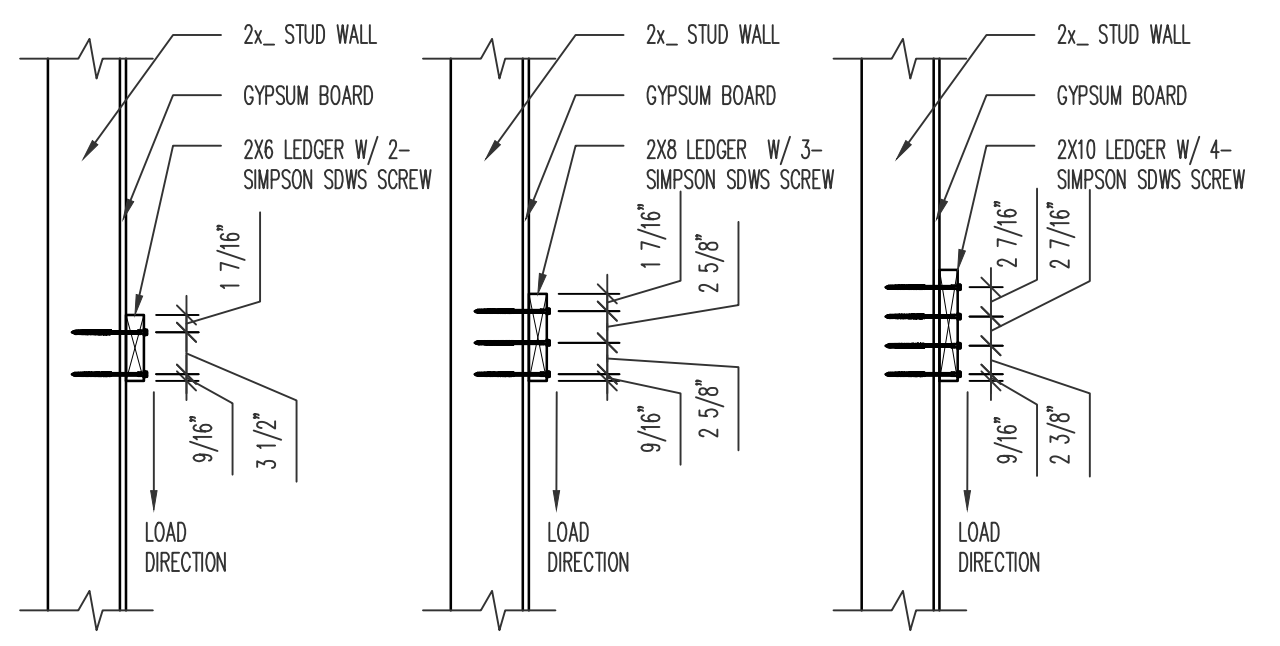


FASTENER	TOTAL LOAD	MAXIMUM ON CENTER SPACING OF FASTENER PAIRS (IN.)						
		JOIST/RAFTER/TRUSS SPAN						
		UP TO 6'-0"	UP TO 8'-0"	UP TO 10'-0"	UP TO 12'-0"	UP TO 14'-0"	UP TO 16'-0"	UP TO 18'-0"
(2) THRU BOLTS	85 PSF	28"	21"	16"	14"	11"	10"	9"
	55 PSF	36"	32"	25"	21"	18"	16"	14"
(2) SDS/LEDGER-LOK WOOD SCREWS	85 PSF	14"	10"	8"	7"	5"	4"	4"
	55 PSF	21"	16"	12"	10"	9"	7"	7"
(2) SWS TIMBER WOOD SCREWS	85 PSF	16"	15"	9"	8"	7"	5"	5"
	55 PSF	25"	18"	14"	12"	10"	9"	9"
(2) ANCHOR BOLTS	85 PSF	32"	32"	32"	24"	24"	16"	16"
	55 PSF	32"	32"	32"	32"	32"	24"	24"

NOTES:
1/2" MAX. SHEATHING BETWEEN BAND BOARD AND LEDGER.
BAND BOARD - TO BE ENGINEERED WOOD PRODUCT 1" MIN., SEE GENERAL NOTES ON SHEET S-002 FOR FURTHER CRITERIA.
THROUGH BOLTS - MIN. 1/2"
WOOD SCREWS - MIN. 1/4" WITH LENGTH SUFFICIENT TO PENETRATE THRU R/W BOARD. USE SIMPSON SDS/SWS, FASTEN-MASTER LEDGER-LOK, OR EQ.
ANCHOR BOLTS - MIN. 1/2" EPOXY BOLT WITH MIN. 6" EMBED., OR 1/2" SIMPSON TITEN-HD-SS OR EQ. WITH MIN. 4 1/2" EMBED., & 1 1/2" EDGE DIST.
FOUNDATION WALL - TO BE CONCRETE OR FULLY GROUTED SOLID CMU.

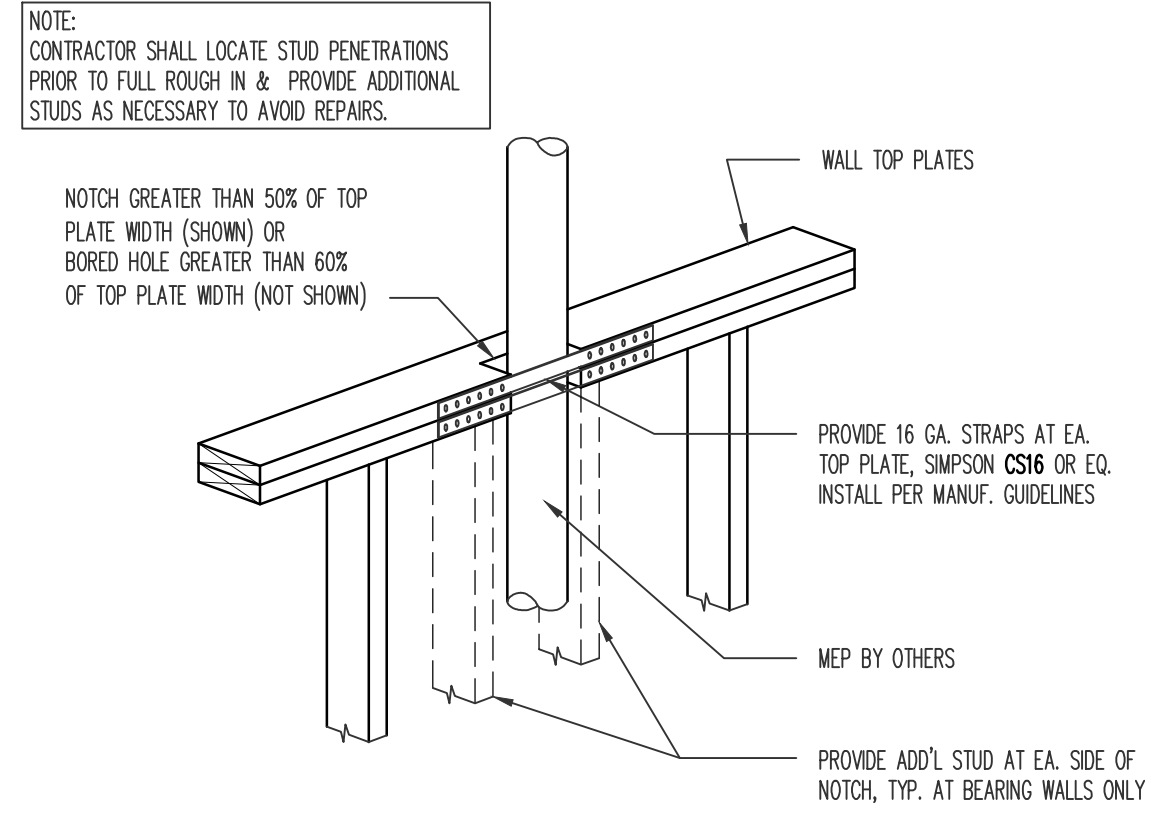
FASTENER	TOTAL LOAD	MAXIMUM ON CENTER SPACING OF FASTENER PAIRS (IN.)						
		JOIST/RAFTER/TRUSS SPAN						
		UP TO 6'-0"	UP TO 8'-0"	UP TO 10'-0"	UP TO 12'-0"	UP TO 14'-0"	UP TO 16'-0"	UP TO 18'-0"
(2) THRU BOLTS	85 PSF	36"	36"	36"	34"	28"	24"	22"
	55 PSF	36"	36"	36"	36"	36"	36"	34"
(2) SDS/LEDGER-LOK WOOD SCREWS	85 PSF	15"	11"	9"	7"	5"	5"	4"
	55 PSF	23"	18"	14"	10"	9"	9"	7"
(2) SWS TIMBER WOOD SCREWS	85 PSF	25"	18"	15"	12"	10"	9"	8"
	55 PSF	36"	29"	23"	20"	16"	14"	12"
(2) ANCHOR BOLTS	85 PSF	32"	32"	32"	24"	24"	16"	16"
	55 PSF	32"	32"	32"	32"	32"	24"	24"

NOTES:
1/2" MAX. SHEATHING BETWEEN BAND BOARD AND LEDGER.
BAND BOARD - TO BE LUMBER OR 1-3/4" LVL, SEE GENERAL NOTES ON SHEET S-002 FOR FURTHER CRITERIA.
THROUGH BOLTS - MIN. 1/2"
WOOD SCREWS - MIN. 1/4" WITH LENGTH SUFFICIENT TO PENETRATE THRU R/W BOARD. USE SIMPSON SDS/SWS, FASTEN-MASTER LEDGER-LOK, OR EQ.
ANCHOR BOLTS - MIN. 1/2" EPOXY BOLT WITH MIN. 6" EMBED., OR 1/2" SIMPSON TITEN-HD-SS OR EQ. WITH MIN. 4 1/2" EMBED., & 1 1/2" EDGE DIST.
FOUNDATION WALL - TO BE CONCRETE OR FULLY GROUTED SOLID CMU.



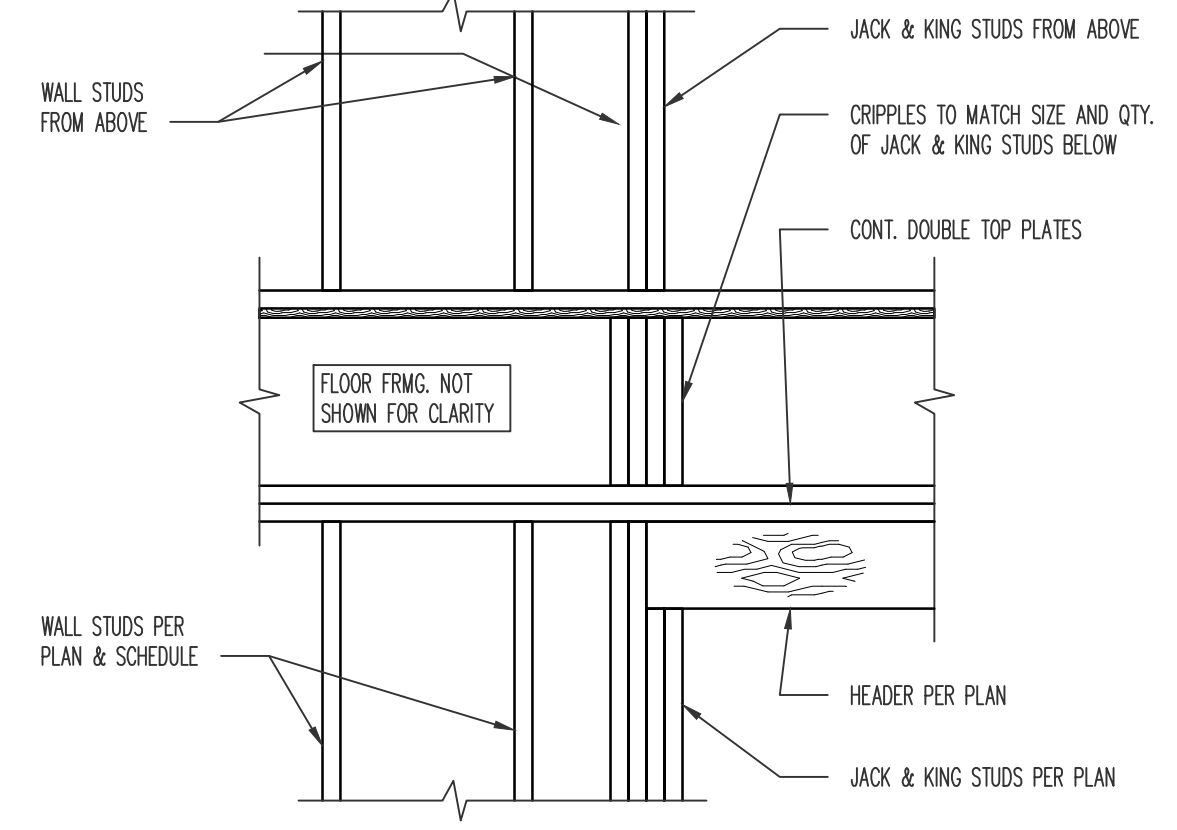
STAIR LEDGER CONNECTION

SCALE: 3/4" = 1'-0" 10 S-300



TYPICAL TOP PLATE REPAIR

SCALE: 3/4" = 1'-0" 7 S-300

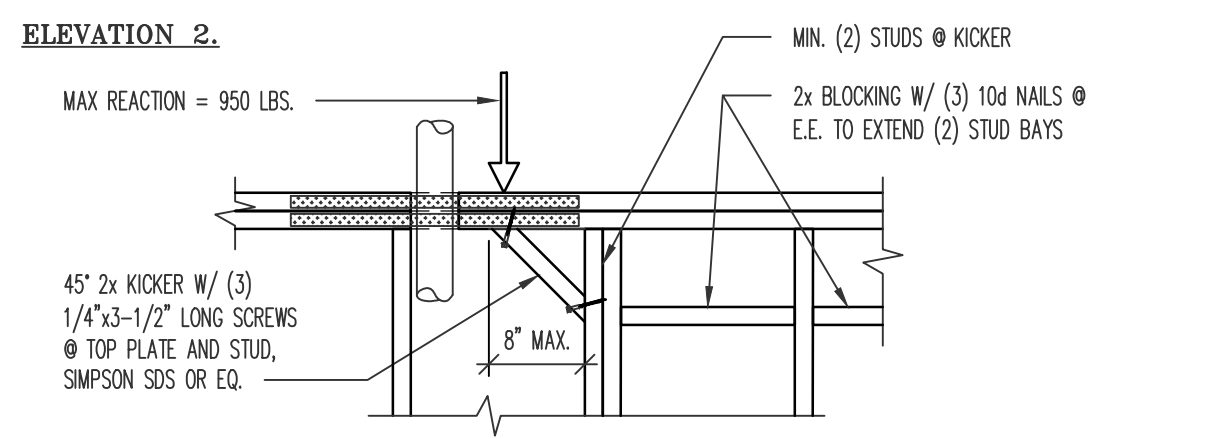
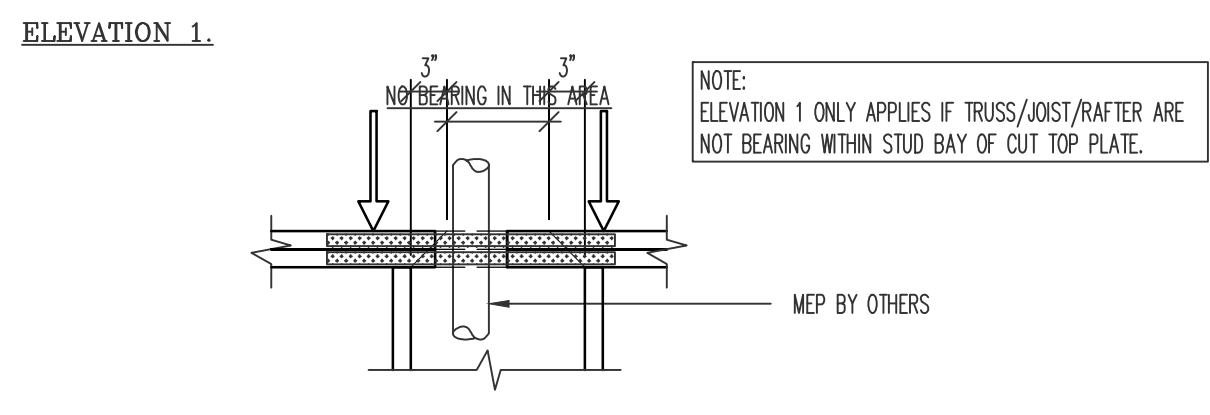


TYPICAL HEADER FRAMING

SCALE: 3/4" = 1'-0" 4 S-300

TYP. LEDGER CONNECTION

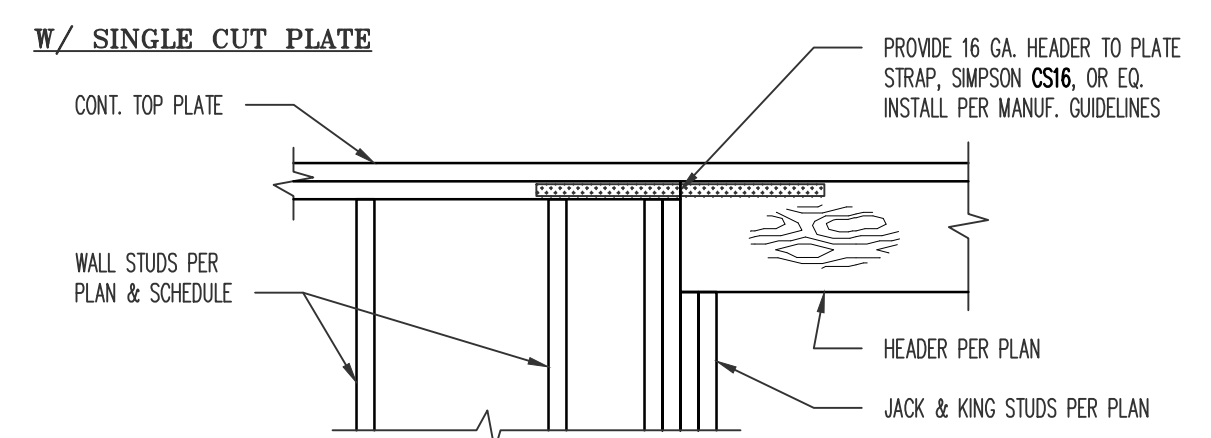
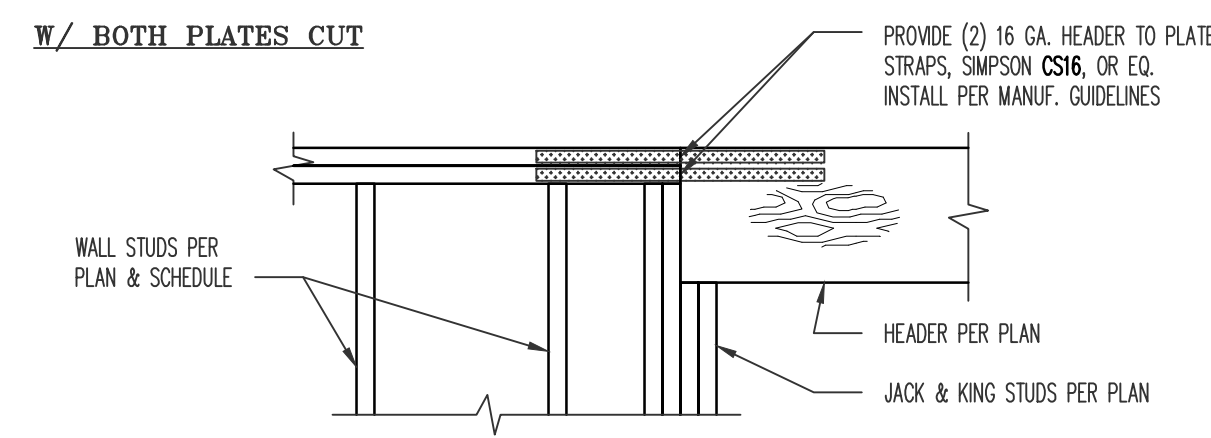
SCALE: 3/4" = 1'-0" 1 S-300



NOTE: PROVIDE 16 GA. STRAPS AT EA. TOP PLATE, SIMPSON CS16 OR EQ. INSTALL PER MANUF. GUIDELINES, TYPICAL.

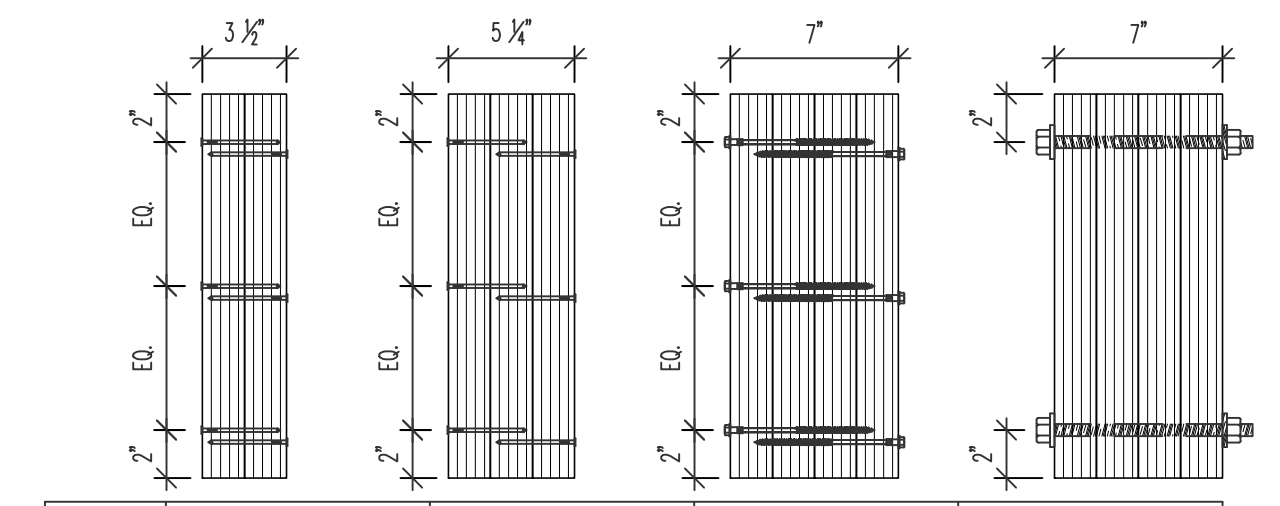
ALTERNATE TOP PLATE REPAIR

SCALE: 3/4" = 1'-0" WHERE ADD'L STUD CANNOT BE INSTALLED 8 S-300



TYP. HEADER W/ CUT TOP PLATE(S)

SCALE: 3/4" = 1'-0" 5 S-300



	2-PLY BM.	3-PLY BM.	4-PLY BM.	4-PLY BM.
# OF ROWS	3 ROWS	3 ROWS	3 ROWS	2 ROWS
FASTENER	12d (0.148"x3.25") COMMON WIRE NAILS	12d (0.148"x3.25") COMMON WIRE NAILS	1/2"x6" WOOD SCREWS	1/2" THRU BOLTS
SPACING	12" O.C.	12" O.C.	12" O.C.	12" O.C.

NOTES:
1. SCREWS TO BE SIMPSON SDS/SWS, FASTEN-MASTER TRUSS-LOK-EMP, OR EQ.
2. CONNECTIONS ARE FOR UNIFORM LOADS ONLY. SEE MANUFACTURER'S SPECIFICATIONS FOR CONNECTIONS AT POINT LOADS.
3. FOR UNIFORM TOP LOADED BEAMS ONLY, THRU BOLT SPACING MAY BE 24" O.C.

TYP. MULTI-PLY BM. CONNECTION

SCALE: 3/4" = 1'-0" 2 S-300

DATE	ISSUE/REVISION	NO.

FRAMING DETAILS
NAIL RESIDENCE
6 PHILADELPHIA AVE TAKOMA PARK, MD 20912
MOSS BUILDING & DESIGN

Drawing: Project: Client:



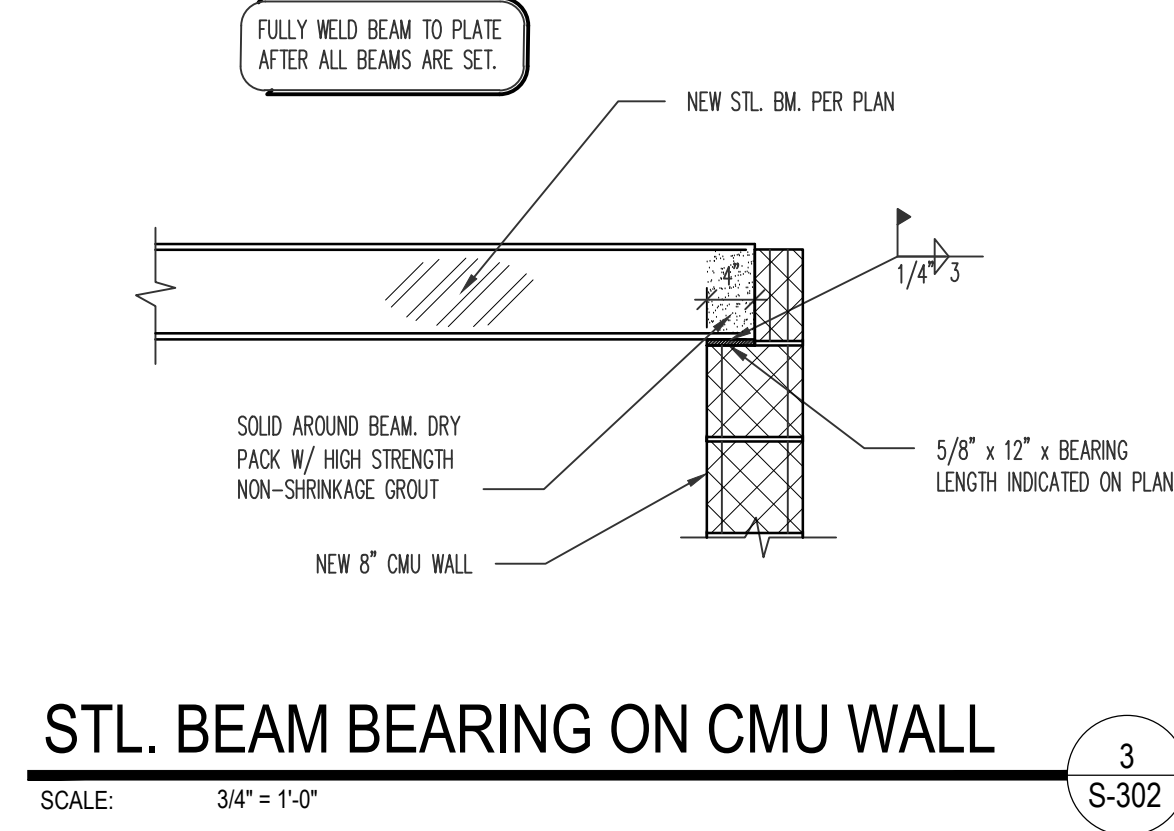
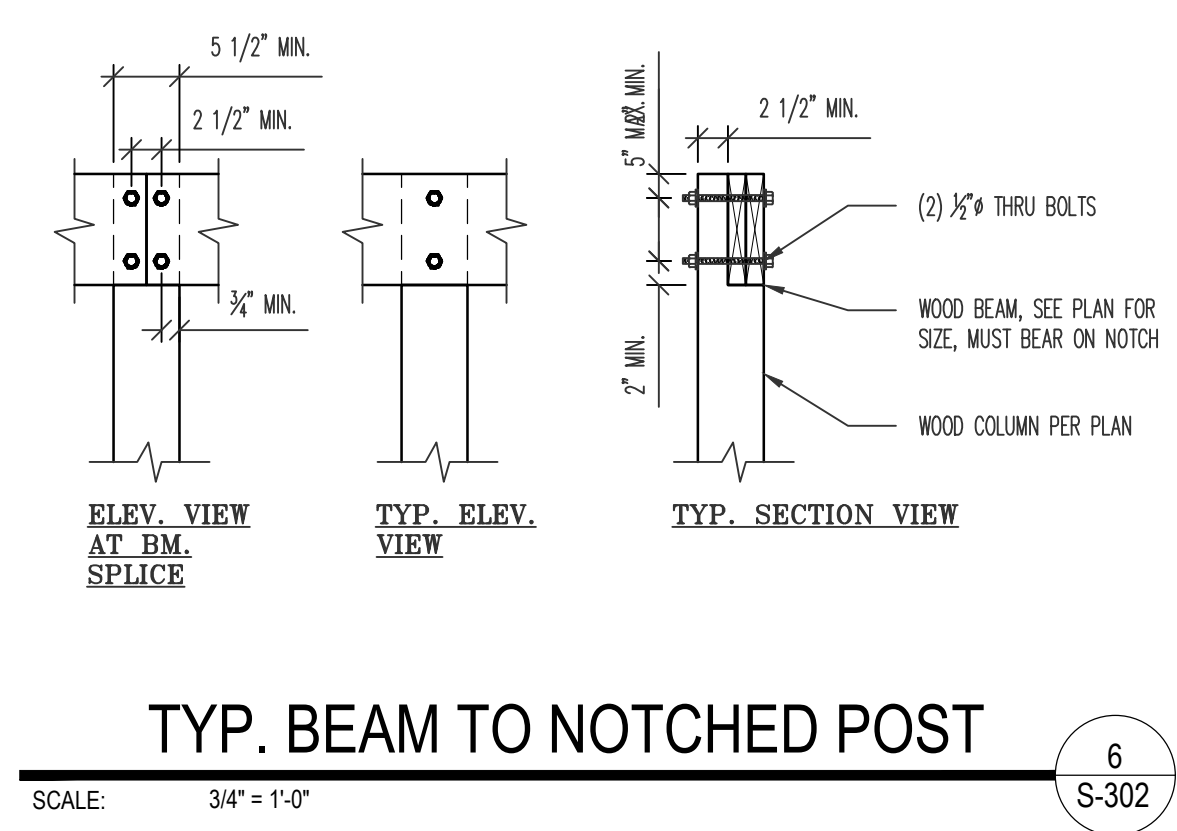
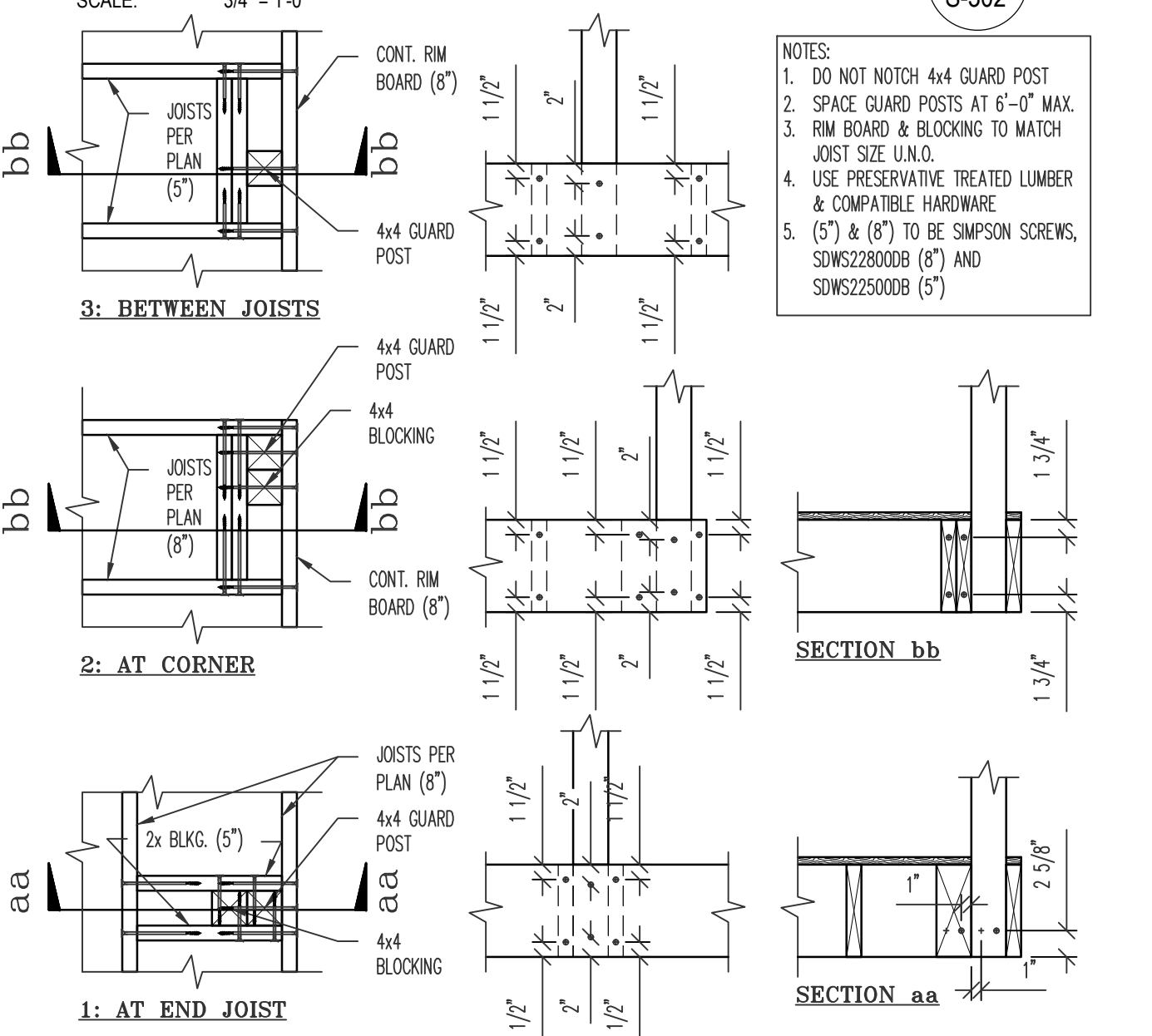
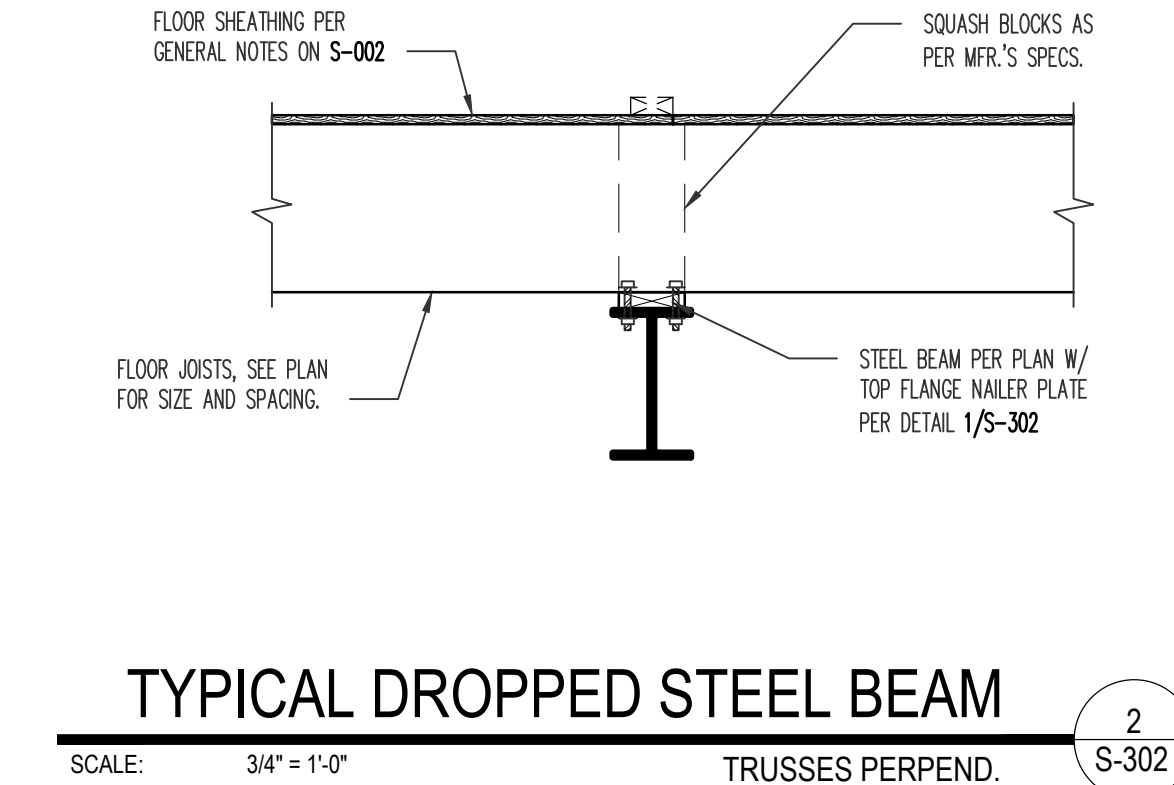
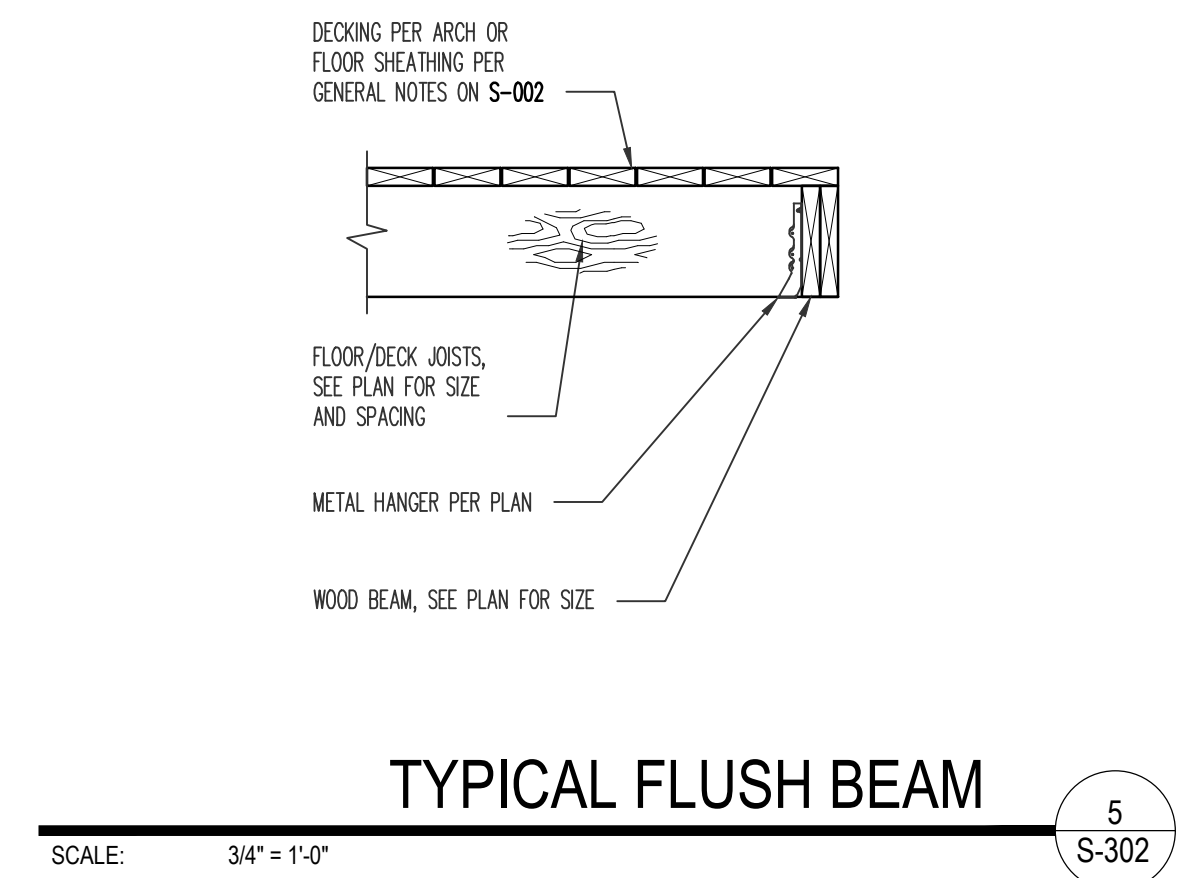
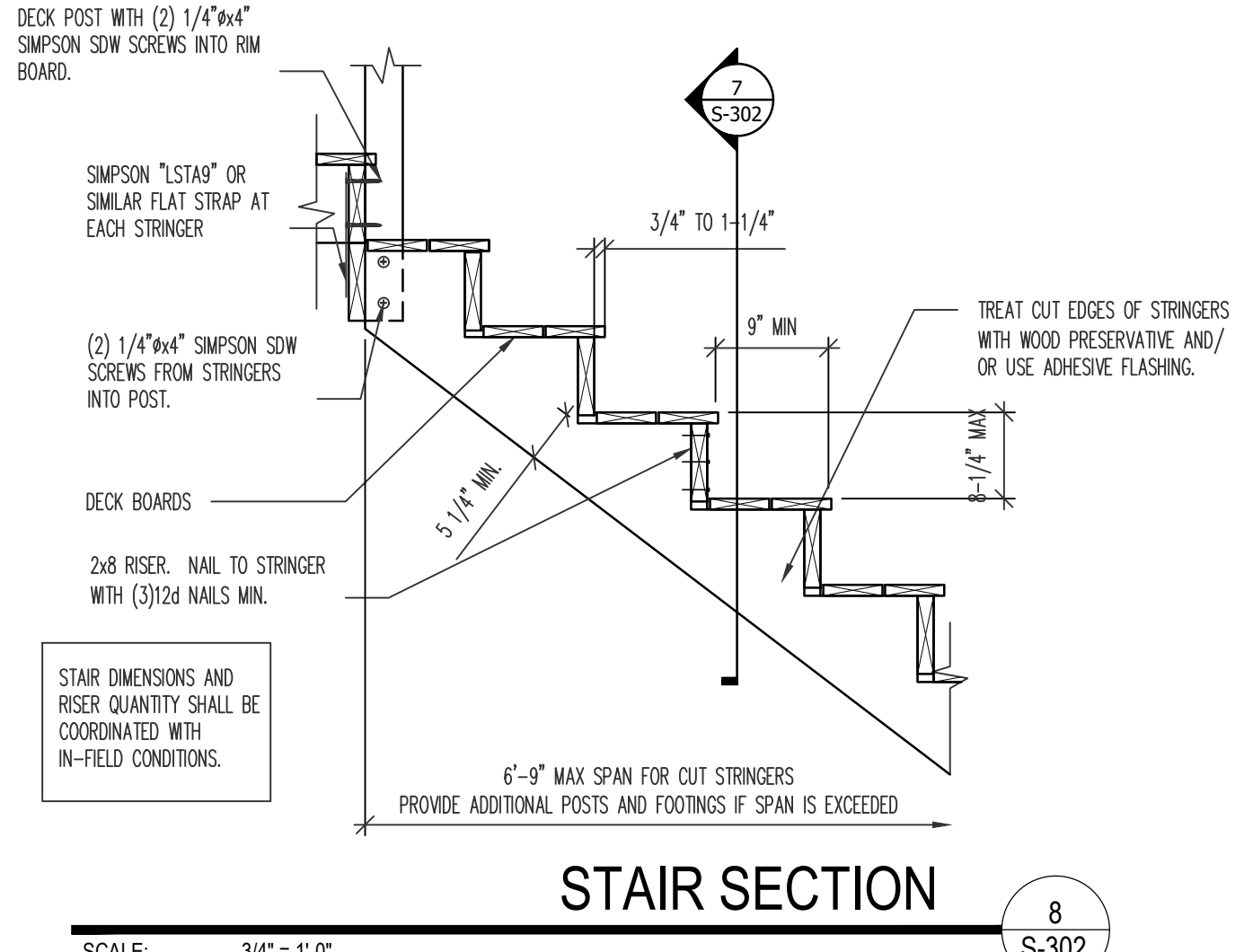
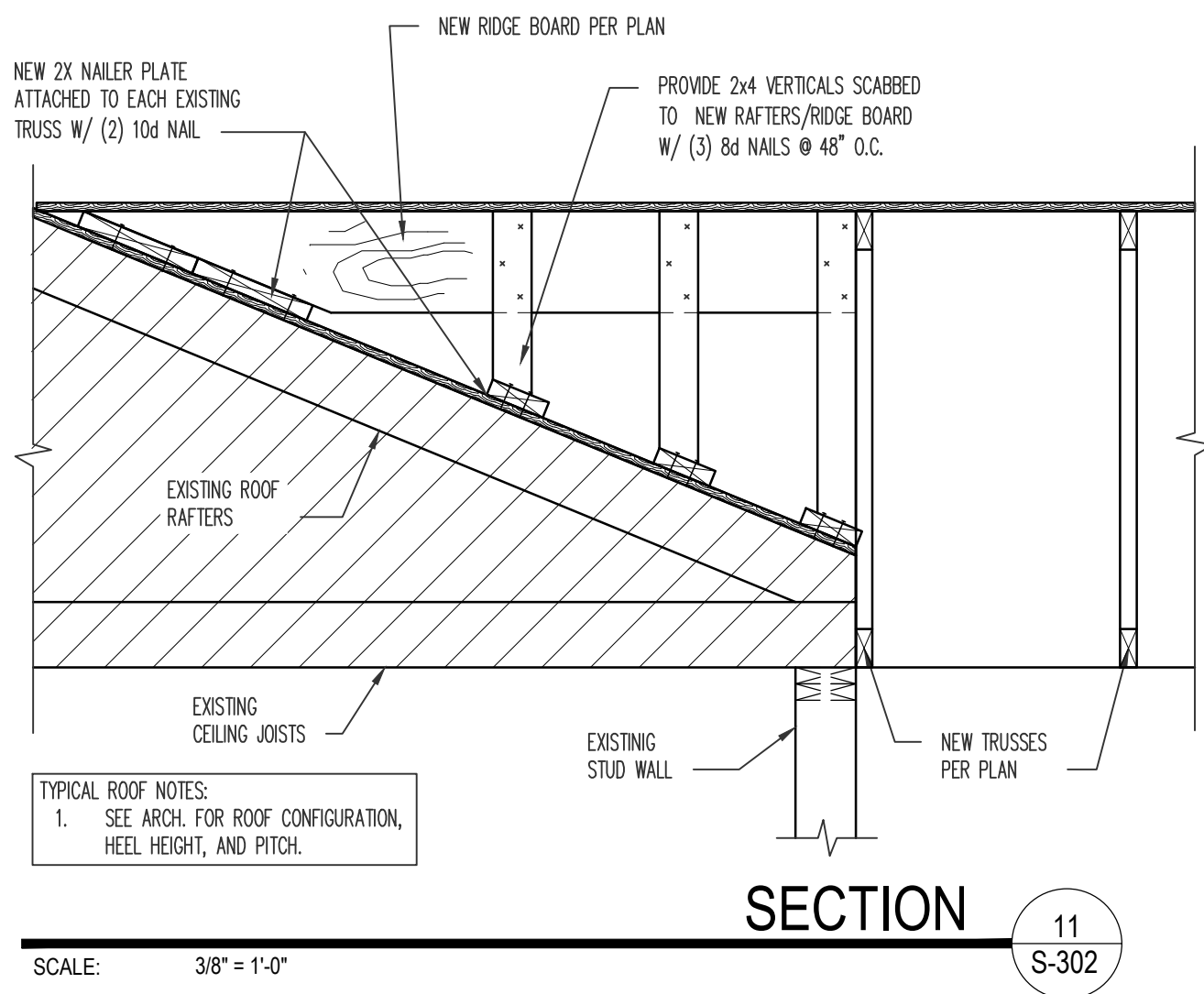
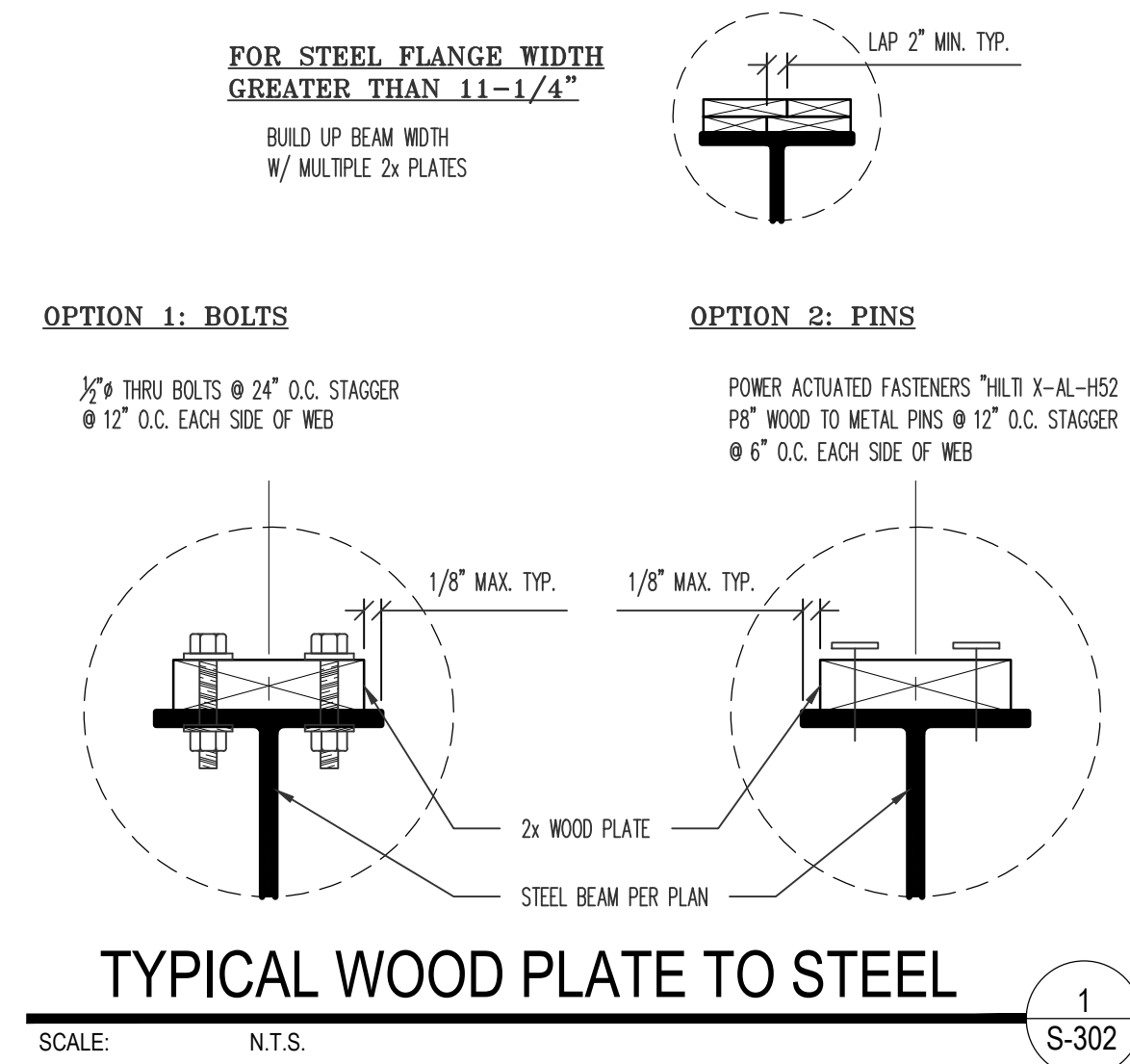
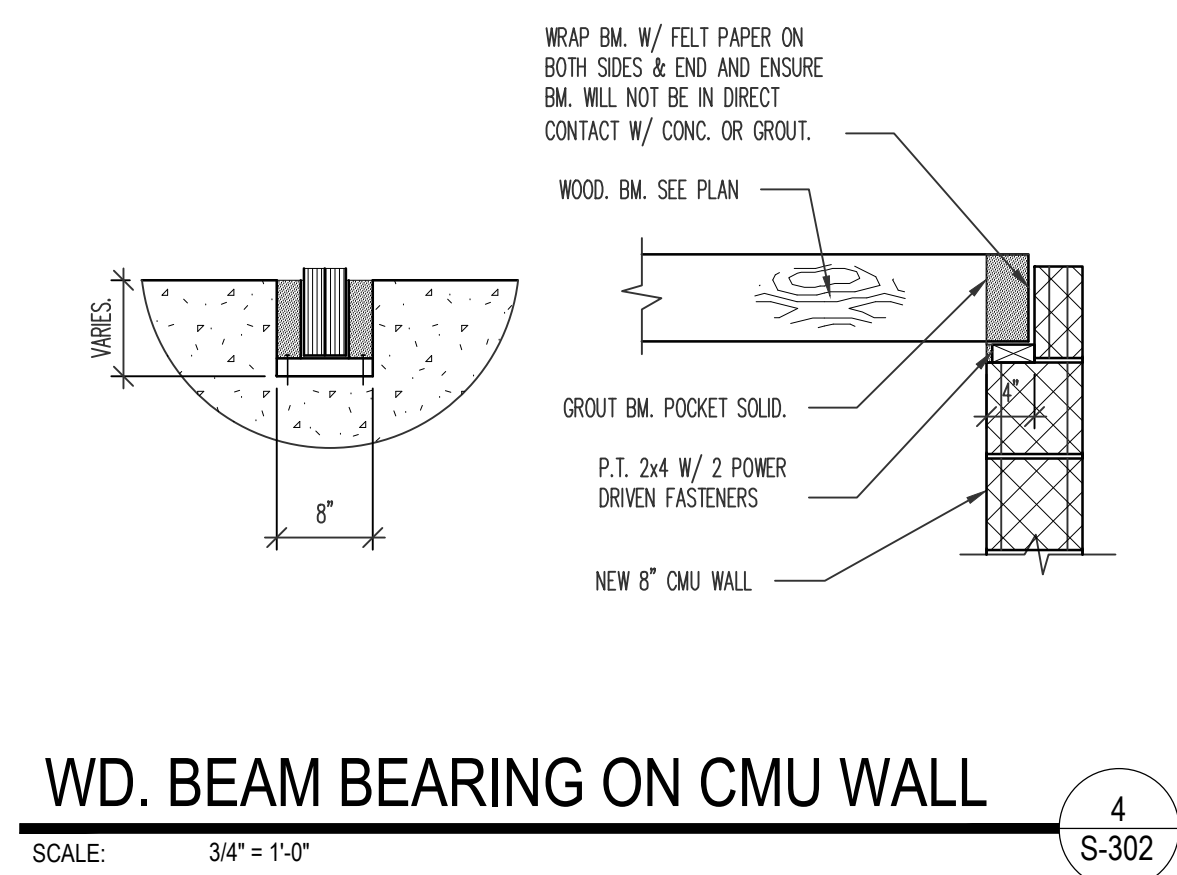
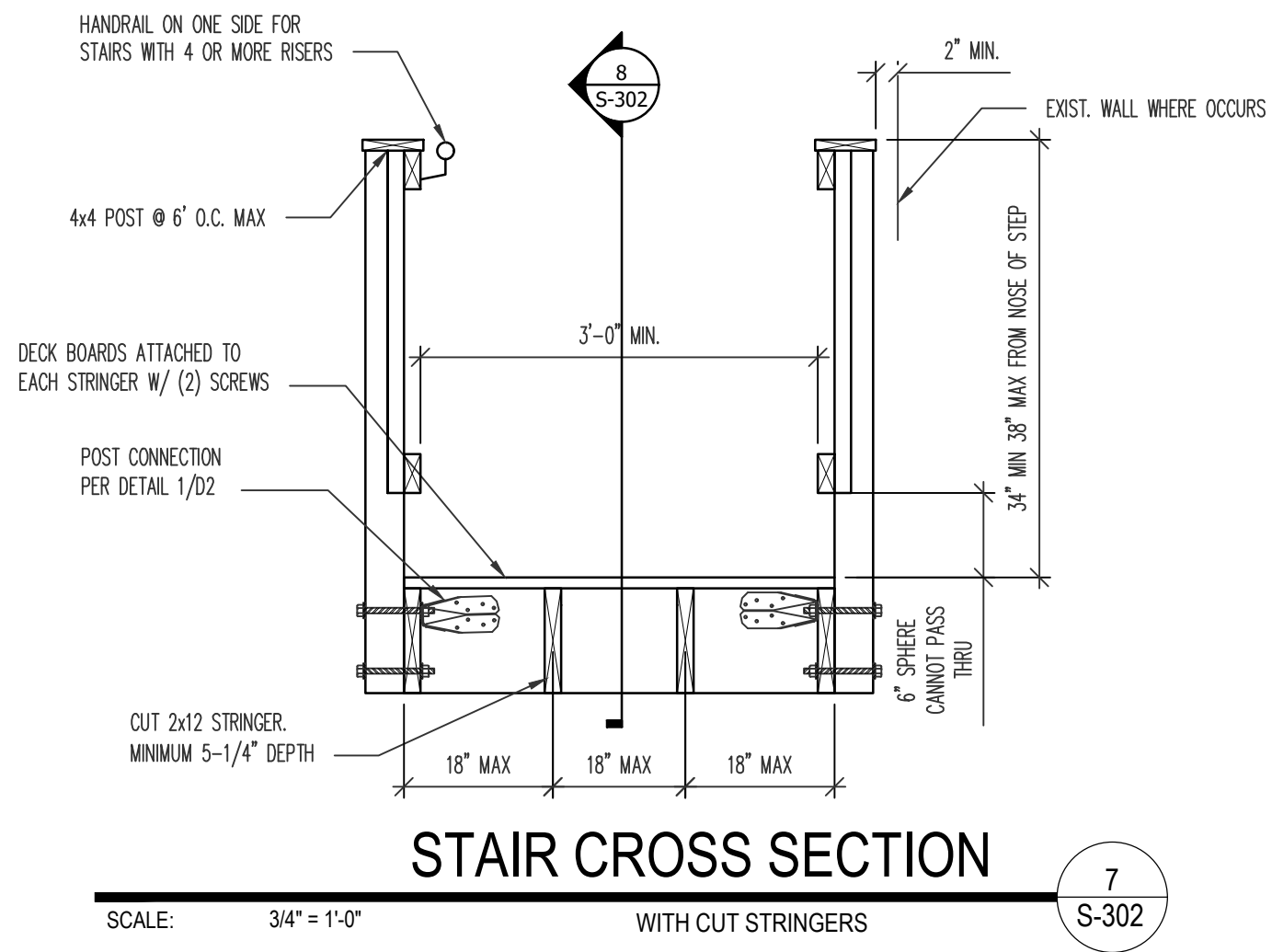
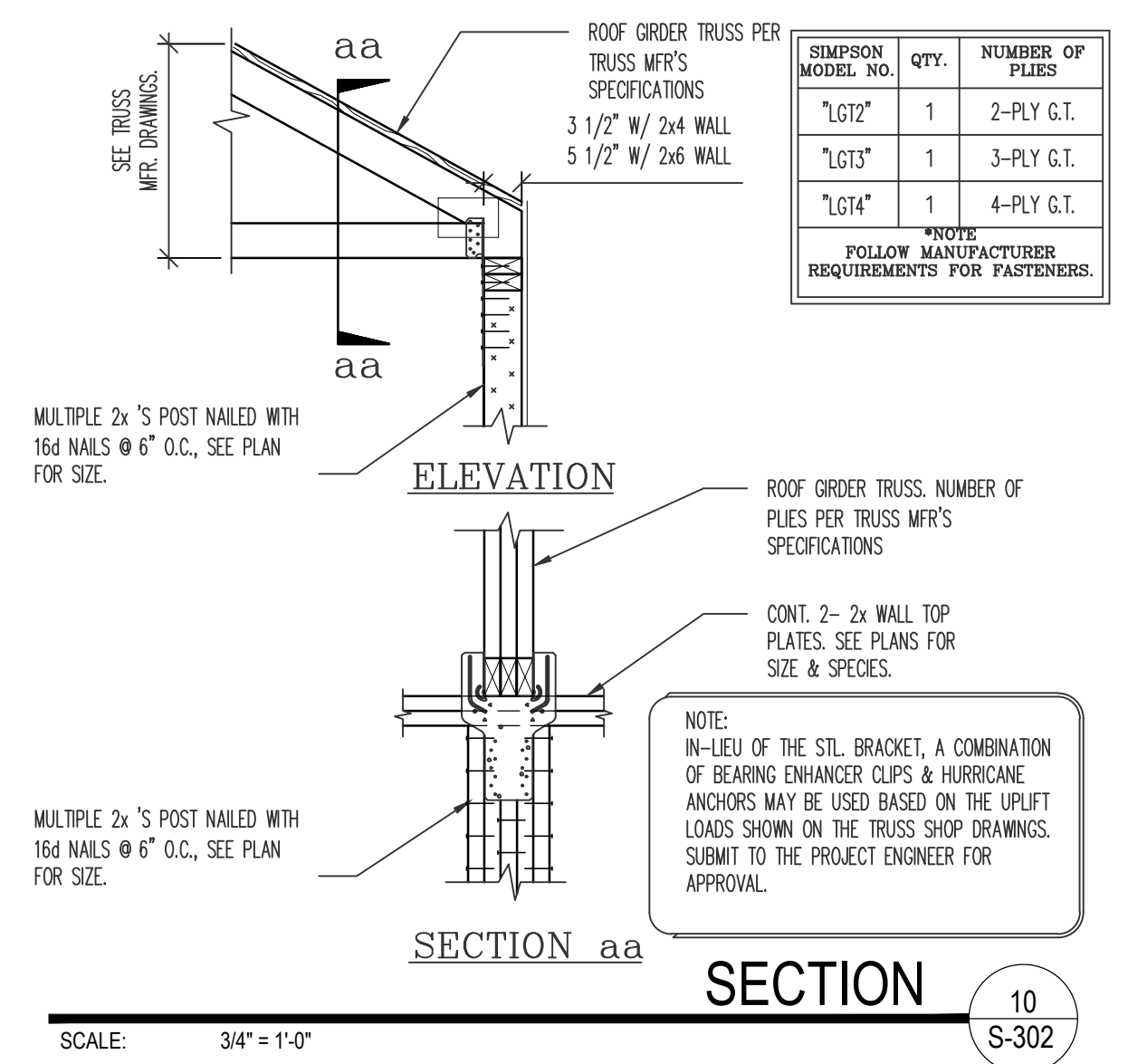
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I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 20055 - EXPIRATION DATE 12/31/2025

Date: 1/9/2025 Project No.: 24-525
Drawn: ASE, INC. Scale: "AS NOTED"
Designed: ASE, INC. Drawing No.:
Checked: ASE, INC. S-300 OF



ALLIANCE
Structural Engineers, Inc.
13552 Sunrise Valley Dr.
Suite 220
Reston, Virginia 20191-3467
Tel: (703) 749-7941
Fax: (703) 749-7942

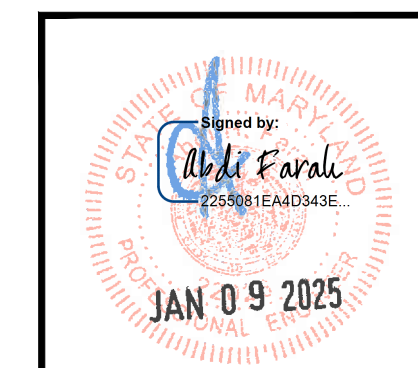
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NO.	ISSUE/REVISION	DATE

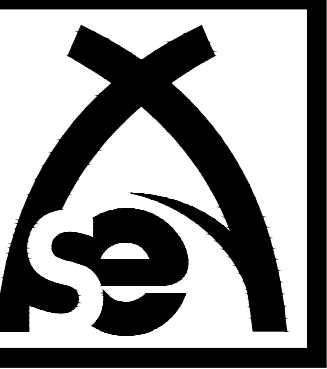
FRAMING DETAILS
NAIL RESIDENCE
6 PHILADELPHIA AVE TAKOMA PARK, MD 20912
MOSS BUILDING & DESIGN

Drawing: Project: Client:



PROFESSIONAL CERTIFICATION
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LICENSE NO. 11E040343E - EXPIRATION DATE 01/09/2025

Date: 1/9/2025 Project No.: 24-525
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Designed: ASE, INC. Drawing No.: S-302
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Suite 220
Reston, Virginia 20191-3467
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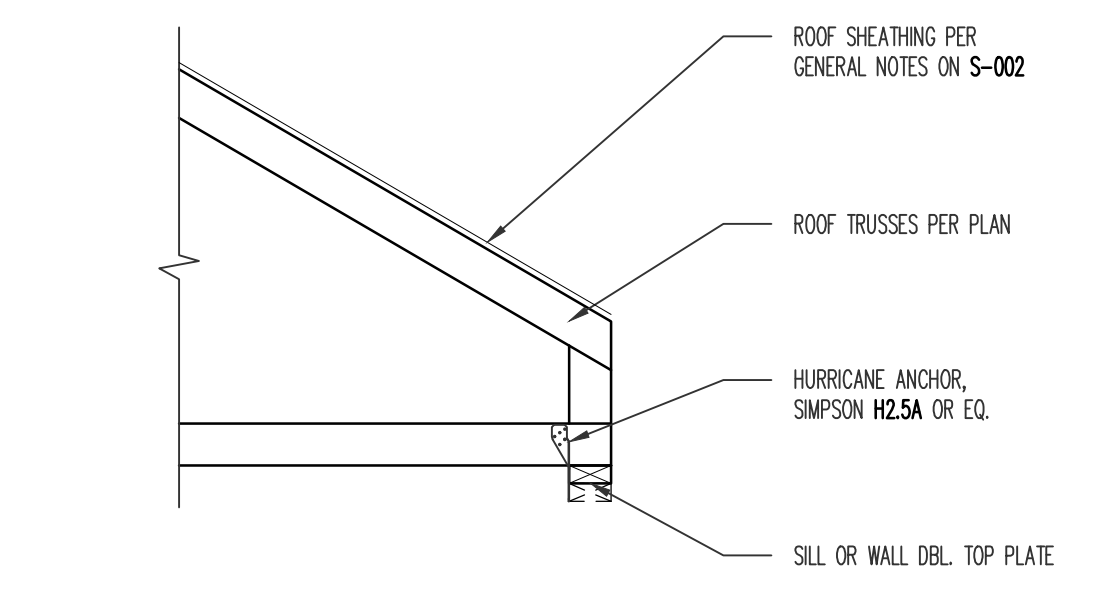
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FRAMING DETAILS
NAIL RESIDENCE
6 PHILADELPHIA AVE TAKOMA PARK, MD 20912
MOSS BUILDING & DESIGN

Drawing: Project: Client:

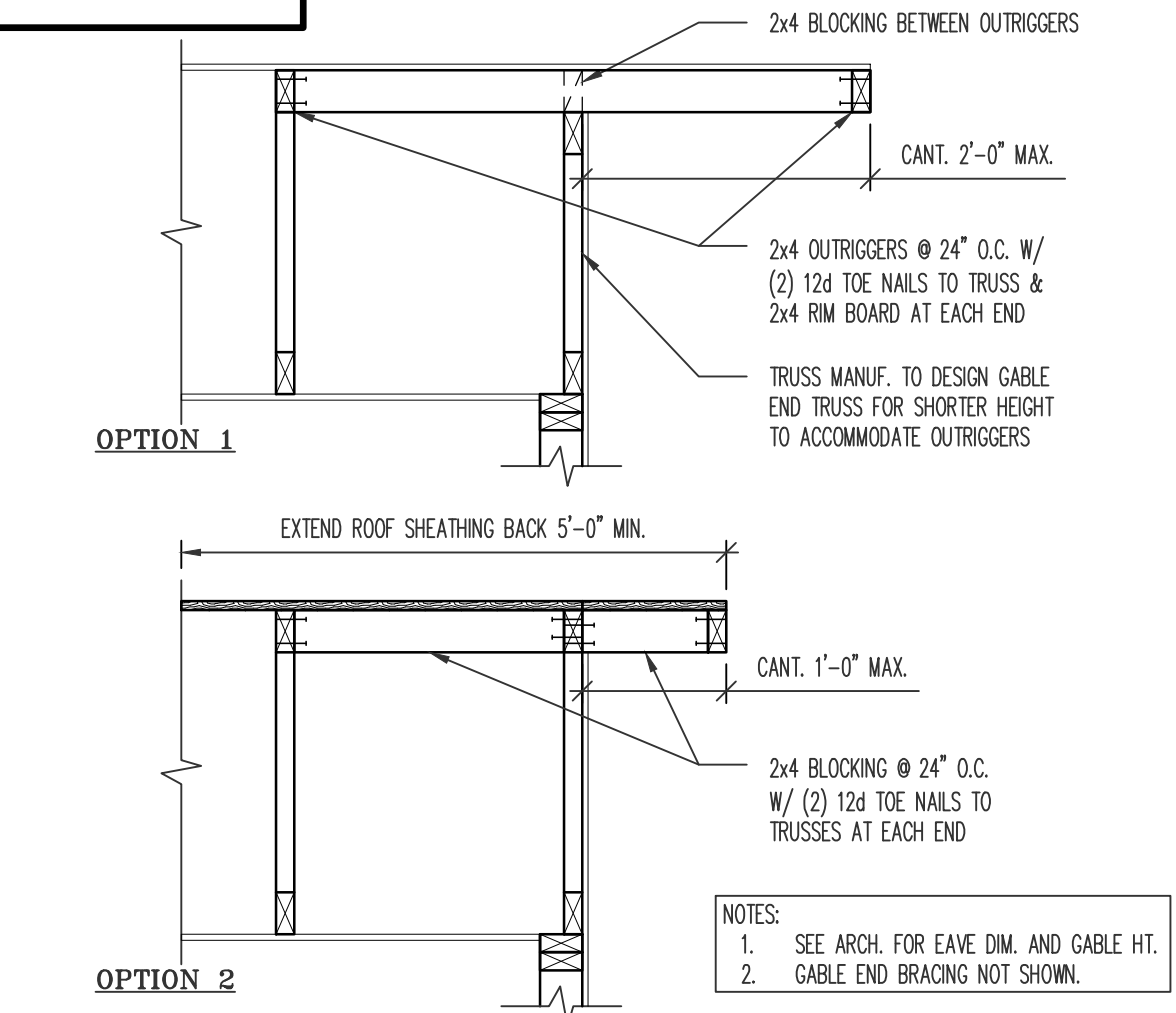
Date: 1/9/2025 Project No.: 24-525
Drawn: ASE, INC. Scale: "AS NOTED"
Designed: ASE, INC.
Checked: ASE, INC.
SE-310 OF



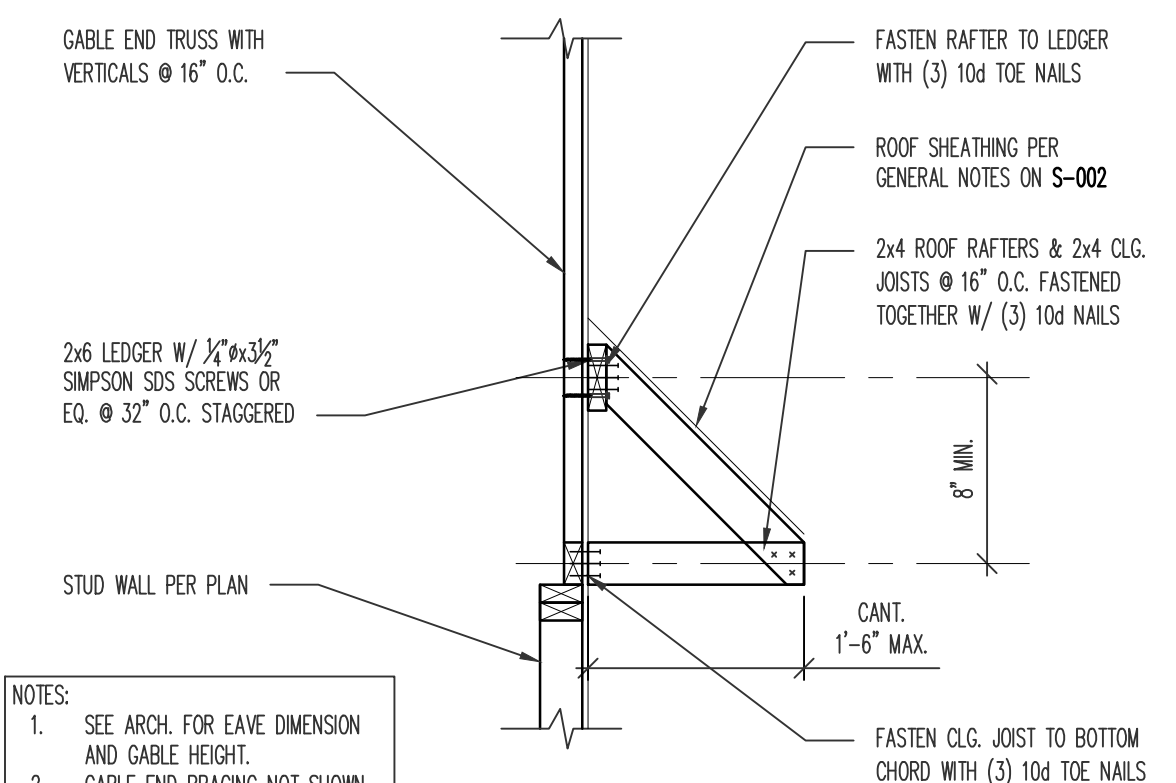
TYPICAL ROOF NOTES:

- SEE ARCH. FOR ROOF CONFIGURATION, HEEL HEIGHT, AND PITCH.
- ROOF TRUSS MANUFACTURER TO VERIFY TIE-DOWN FOR UPLIFT REACTIONS AND SPECIFY CONNECTION DETAILS FOR ORDER TRUSSES AND ALL OTHER TRUSSES THAT EXCEED THE CAPACITY OF THE CONNECTOR SHOWN.

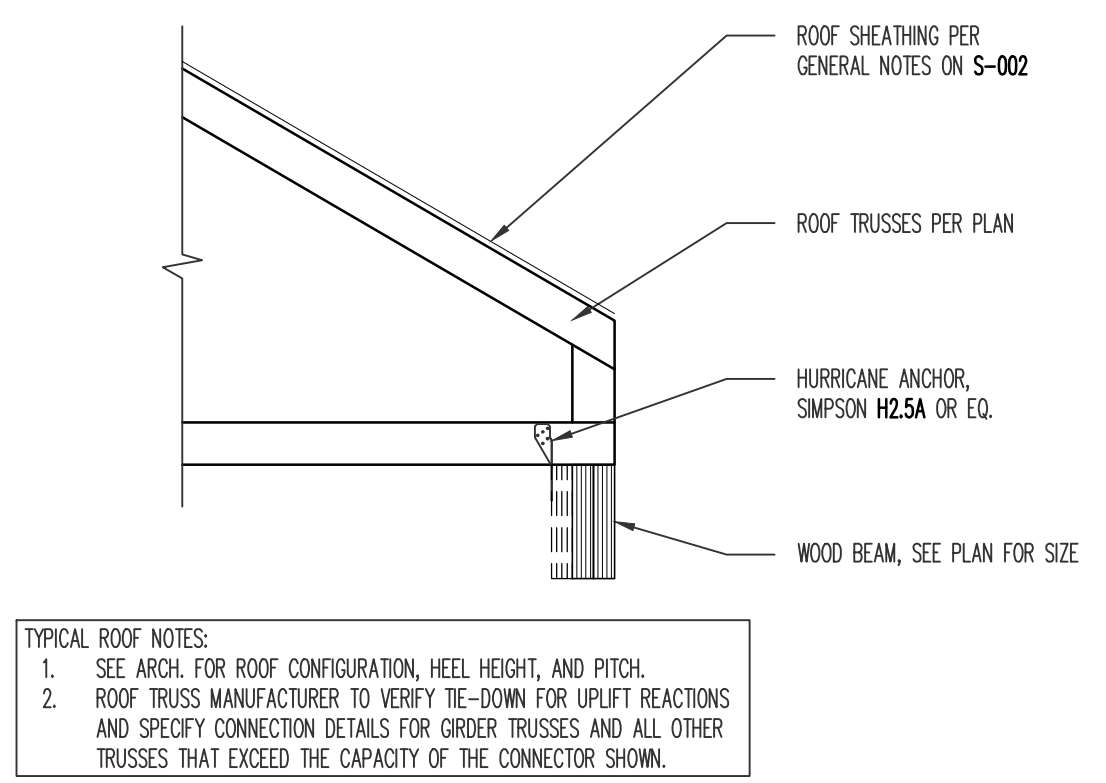
TYPICAL END BEARING 1 S-310
SCALE: 3/4" = 1'-0"



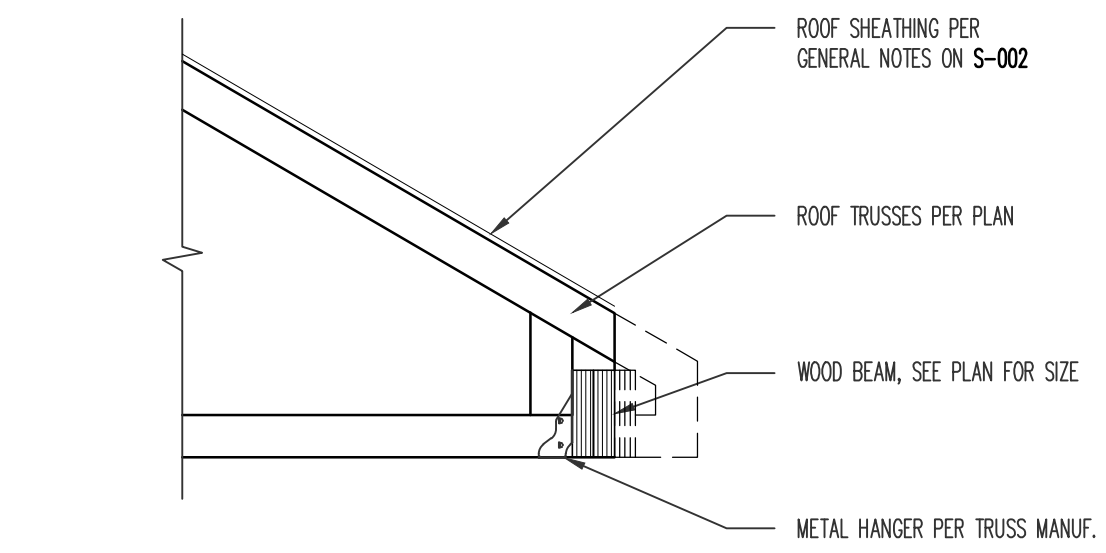
TYP. GABLE TRUSS UPPER EAVE 4 S-310
SCALE: 3/4" = 1'-0"



TYP. GABLE TRUSS LOWER EAVE 5 S-310
SCALE: 3/4" = 1'-0"



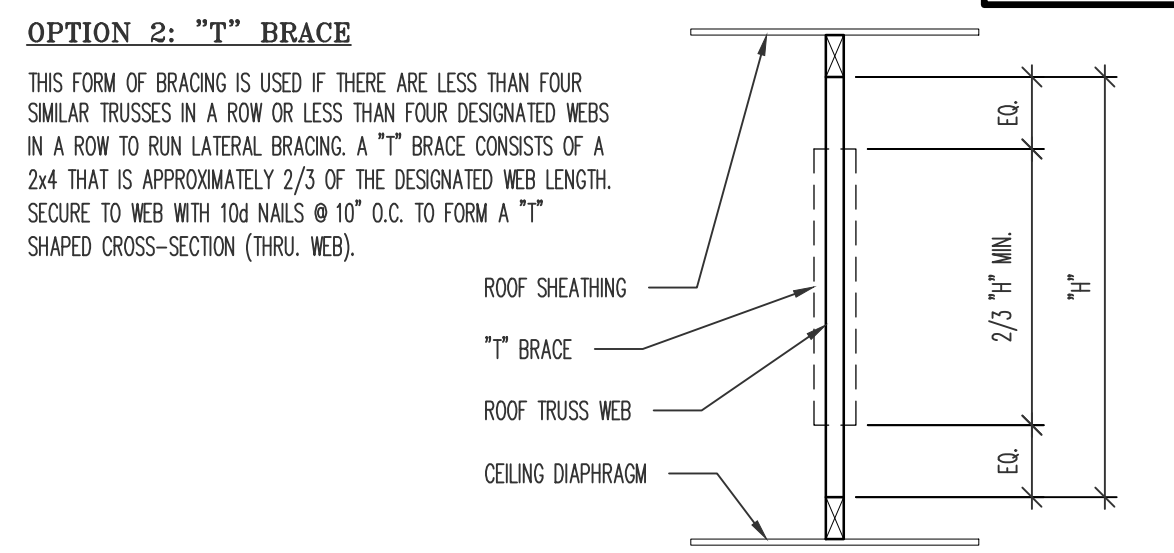
TYPICAL DROPPED WOOD BEAM 2 S-310
SCALE: 3/4" = 1'-0"



TYPICAL ROOF NOTES:

- SEE ARCH. FOR ROOF CONFIGURATION, HEEL HEIGHT, AND PITCH.
- ROOF TRUSS MANUFACTURER TO VERIFY TIE-DOWN FOR UPLIFT REACTIONS AND SPECIFY CONNECTION DETAILS FOR ORDER TRUSSES AND ALL OTHER TRUSSES THAT EXCEED THE CAPACITY OF THE CONNECTOR SHOWN.

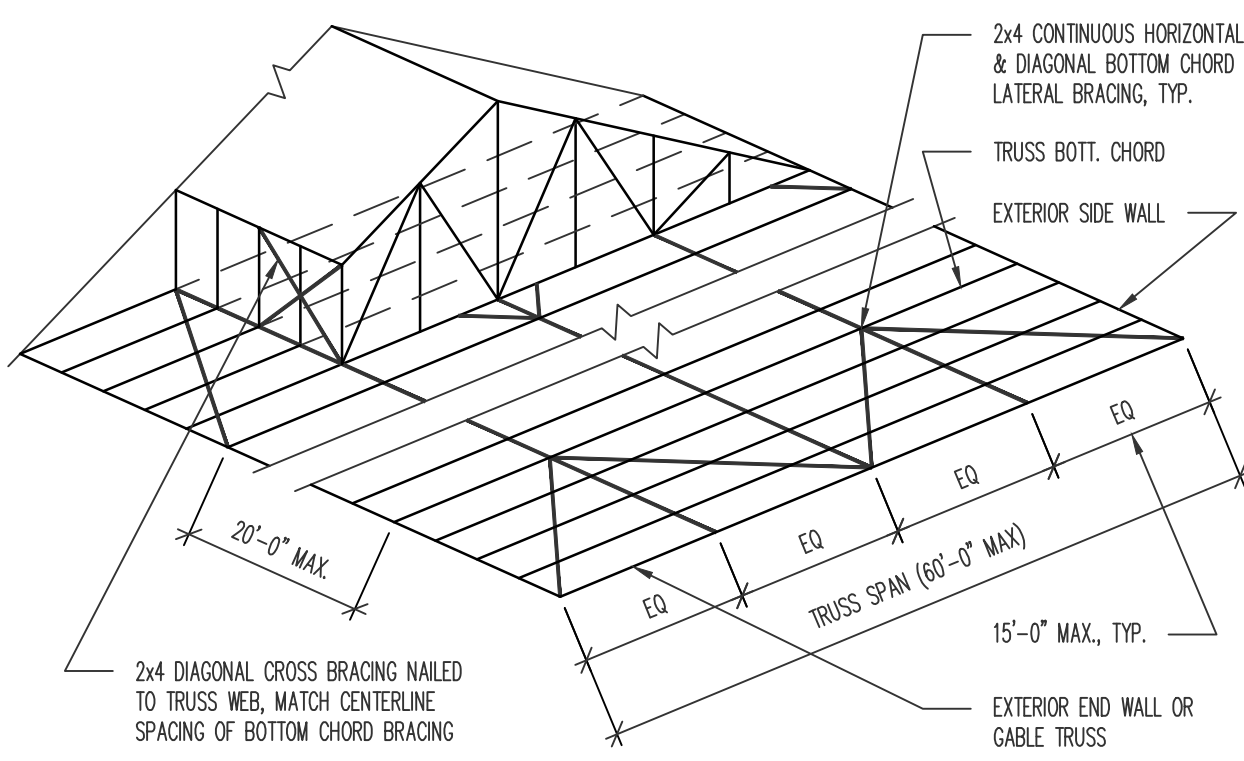
TYPICAL FLUSH WOOD BEAM 3 S-310
SCALE: 3/4" = 1'-0"



TRUSS BRACING NOTES:

- UNLESS NOTED OTHERWISE, DIAGONAL AND CONTINUOUS HORIZONTAL LATERAL BRACING IS REQUIRED AT 15'-0" O.C. MAX. AND AT EACH SHEARWALL LOCATION (PERPENDICULAR TO TRUSSES), & AT EACH CONTINUOUS LATERAL WEB BRACE SPECIFIED ON APPROVED TRUSS SHOP DRAWINGS. PROVIDE ADDITIONAL PERMANENT TRUSS BRACING AS NOTED ON ROOF FRAMING PLANS.
- MINIMUM ANCHORAGE OF 2x4 CONTINUOUS LATERAL BRACE AND DIAGONAL BRACE SHALL BE (2) 16d OR (3) 10d NAILS AT EACH TRUSS CROSSING, UNLESS OTHERWISE NOTED OR APPROVED.
- DIAGONAL BRACES SHALL BE ONE PIECE CONTINUOUS OR SPLICING PROCEDURE SHALL BE APPROVED BY THE ENGINEER. DIAGONAL BRACES SHALL TERMINATE WITHIN 6" OF SHEATHED TRUSS CHORD AND SHALL ENGAGE A MIN. OF (3) TRUSSES.
- INTERVAL BETWEEN CONTINUOUS LATERAL BRACES SHALL BE H/3 WHEN 2 ROWS OF BRACES ARE REQUIRED, WHERE "H" DENOTES THE LENGTH OF WEB MEMBER.

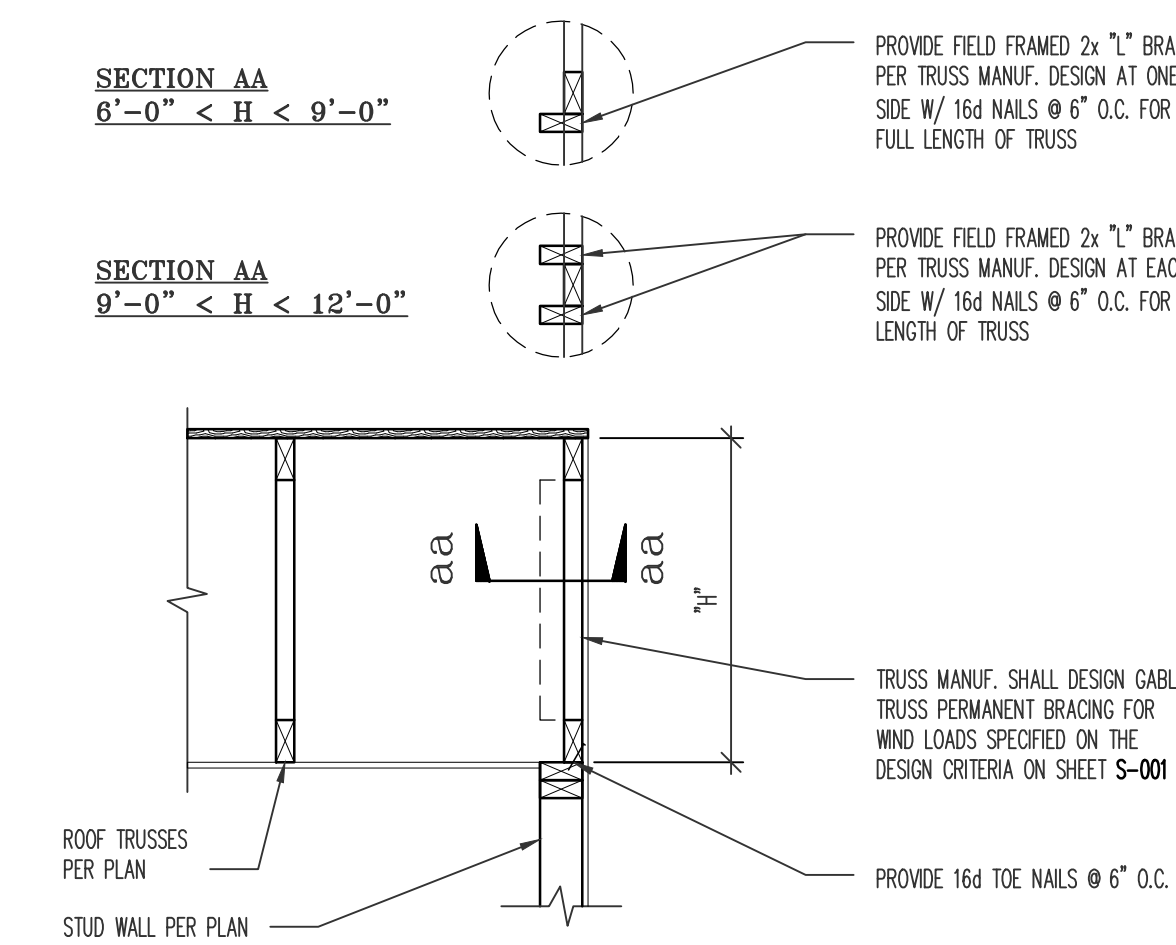
TYP. WEB BRACING 7 S-310
SCALE: 3/4" = 1'-0"



TRUSS BRACING NOTES:

- UNLESS NOTED OTHERWISE, DIAGONAL AND CONTINUOUS HORIZONTAL LATERAL BRACING IS REQUIRED AT 15'-0" O.C. MAX. AND AT EACH SHEARWALL LOCATION (PERPENDICULAR TO TRUSSES), & AT EACH CONTINUOUS LATERAL WEB BRACE SPECIFIED ON APPROVED TRUSS SHOP DRAWINGS. PROVIDE ADDITIONAL PERMANENT TRUSS BRACING AS NOTED ON ROOF FRAMING PLANS.
- MINIMUM ANCHORAGE OF 2x4 CONTINUOUS LATERAL BRACE AND DIAGONAL BRACE SHALL BE (2) 16d OR (3) 10d NAILS AT EACH TRUSS CROSSING, UNLESS OTHERWISE NOTED OR APPROVED.
- DIAGONAL BRACES SHALL BE ONE PIECE CONTINUOUS OR SPLICING PROCEDURE SHALL BE APPROVED BY THE ENGINEER. DIAGONAL BRACES SHALL TERMINATE WITHIN 6" OF SHEATHED TRUSS CHORD AND SHALL ENGAGE A MIN. OF (3) TRUSSES.
- INTERVAL BETWEEN CONTINUOUS LATERAL BRACES SHALL BE H/3 WHEN 2 ROWS OF BRACES ARE REQUIRED, WHERE "H" DENOTES THE LENGTH OF WEB MEMBER.

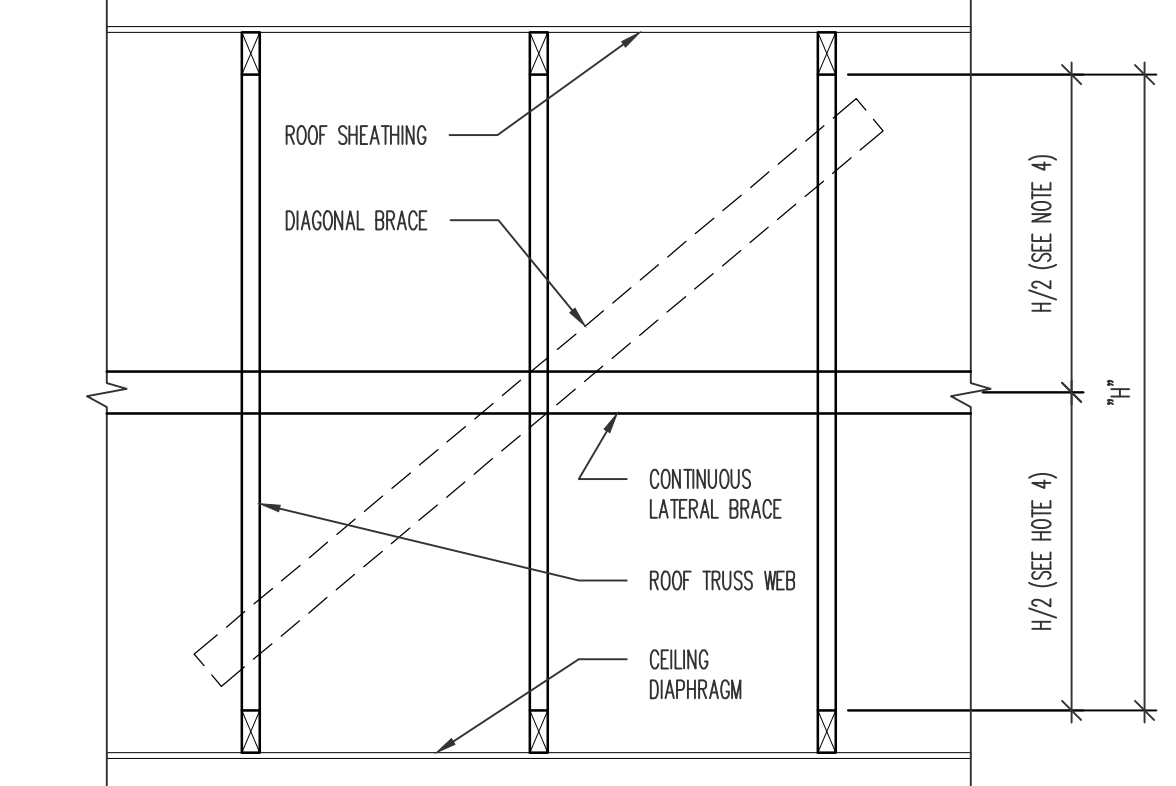
TYP. BOTTOM CHORD BRACING 8 S-310
SCALE: 3/4" = 1'-0"



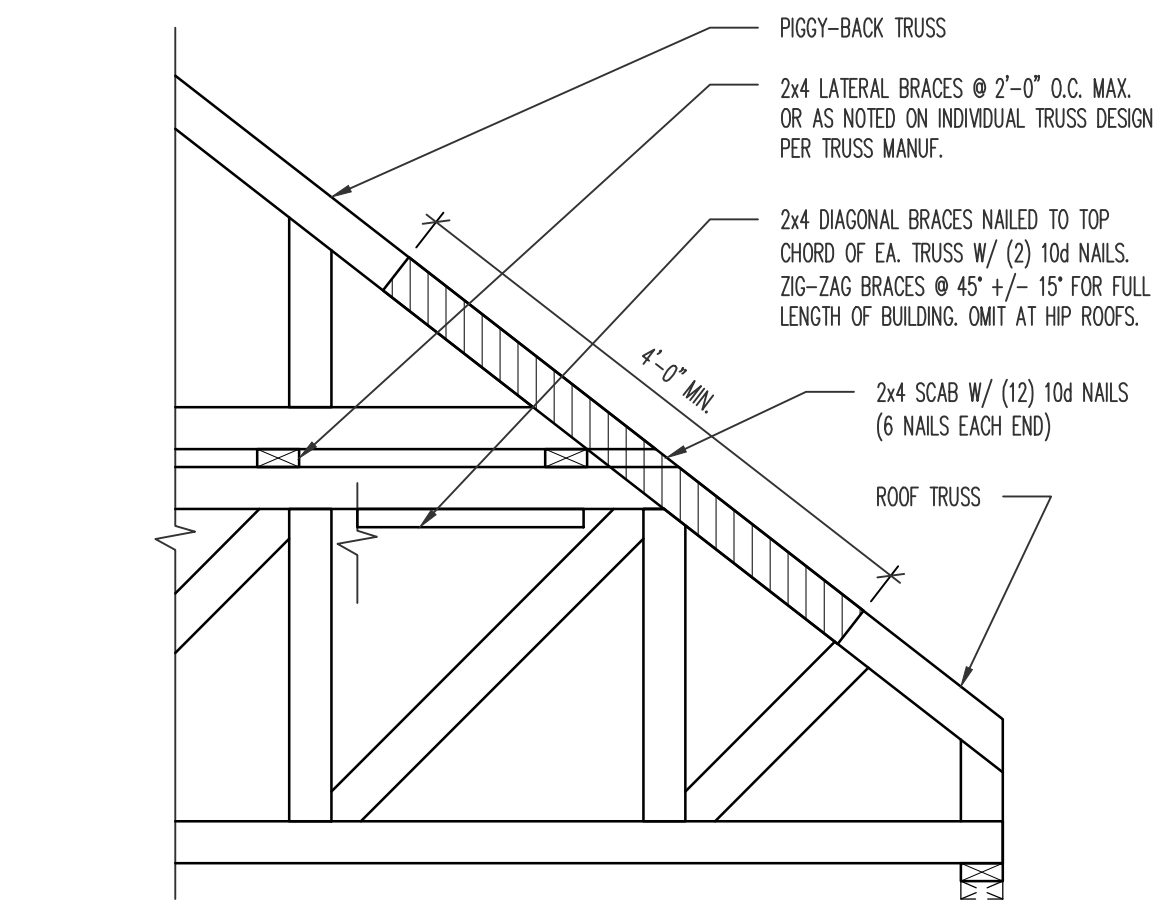
TYP. GABLE TRUSS BRACING 6 S-310
SCALE: 3/4" = 1'-0"

OPTION 1: CONTINUOUS LATERAL BRACING (CLB)

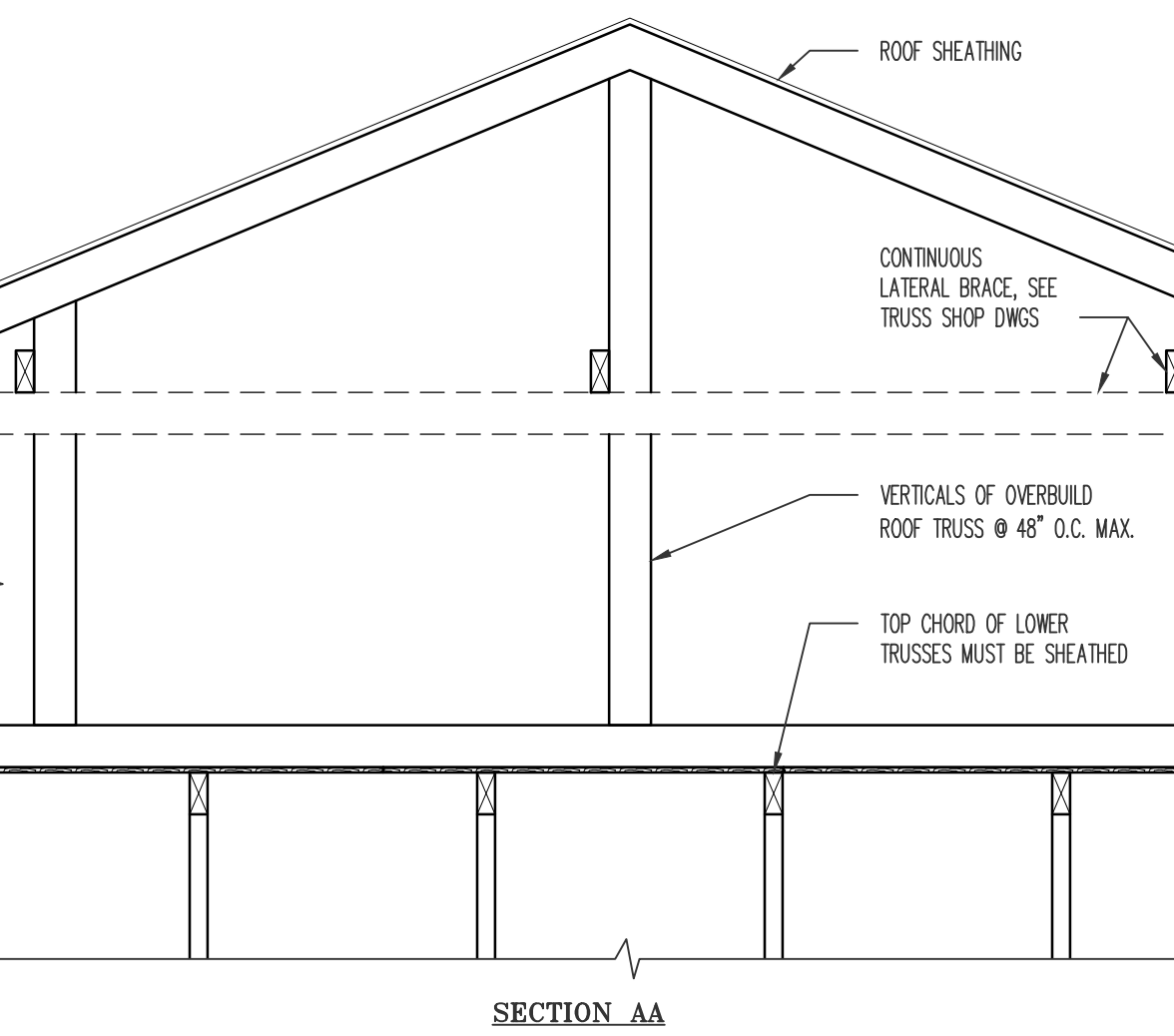
THIS FORM OF BRACING IS USED IF THERE ARE FOUR OR MORE SIMILAR TRUSSES WITH SIMILAR WEB CONFIGURATION IN A ROW TO RUN LATERAL BRACING. CONTINUOUS LATERAL BRACING CONSISTS OF DIAGONAL AND CONTINUOUS 2x4 DESIGNATED WEBS PER APPROVED ROOF TRUSS SHOP DWGS. SECURE TO WEB WITH (2) 10d NAILS. "DIAGONAL" OR "END" ANCHORAGE IS REQUIRED TO STABILIZE THE LATERAL BRACING. (SEE HB-91 BOOKLET & SUMMARY SHEET FOR ADDITIONAL INFORMATION ON DIAGONAL BRACING.)



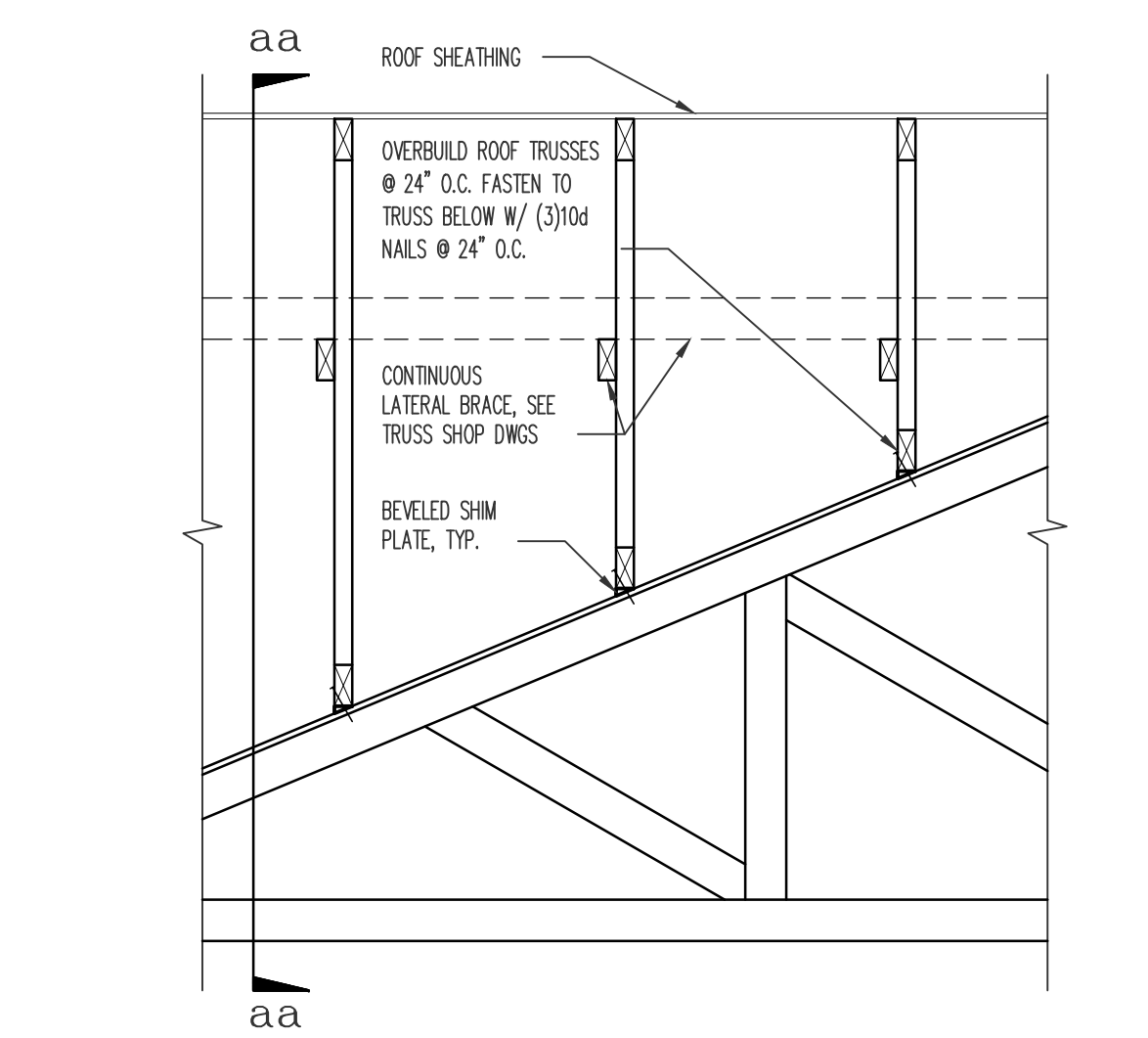
TYP. CONTINUOUS LATERAL BRACING (CLB) 1 S-310
SCALE: 3/4" = 1'-0"



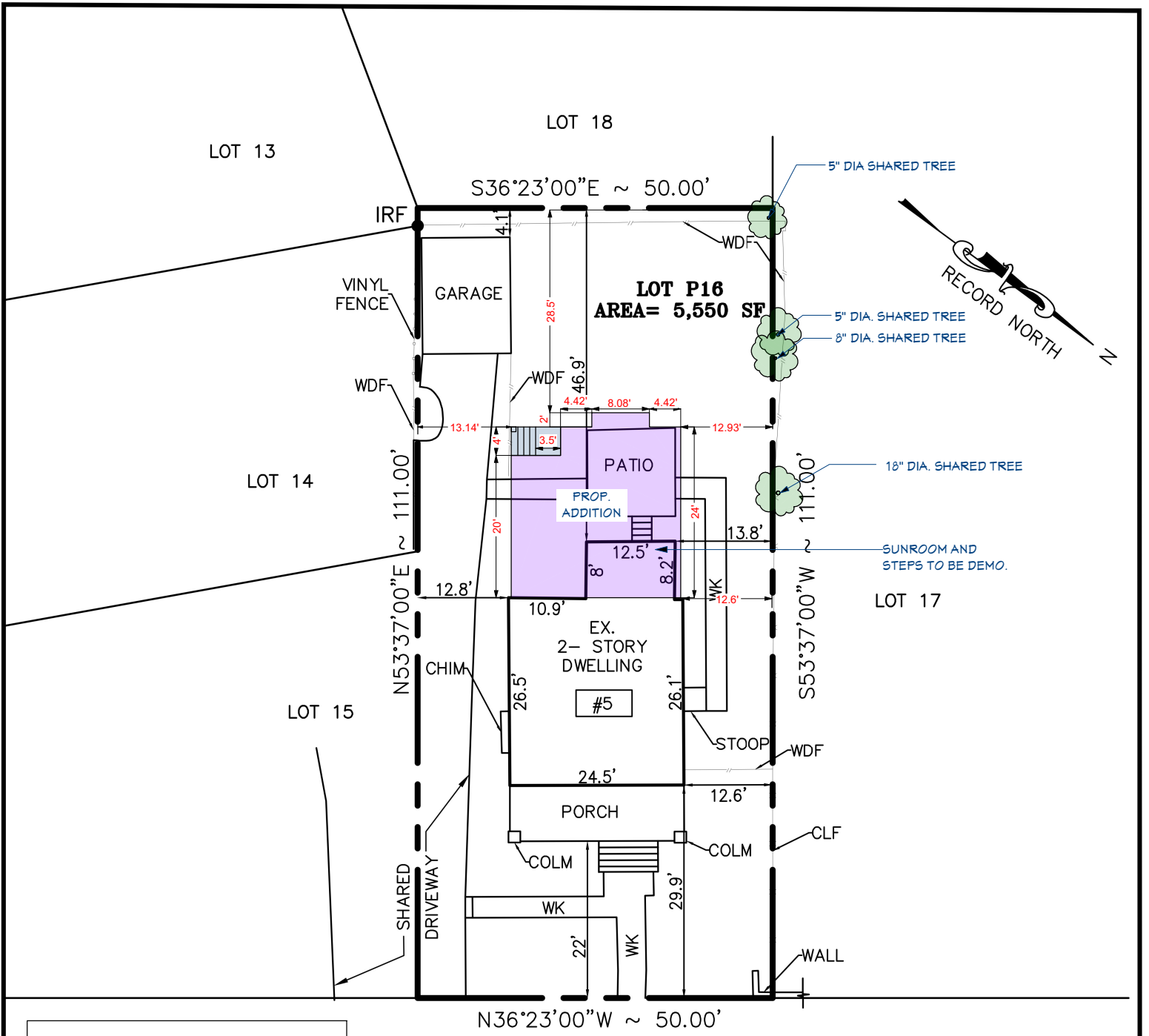
TYPICAL PIGGYBACK SPLICE 10 S-310
SCALE: 3/4" = 1'-0"

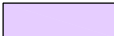



SECTION AA 9 S-310
SCALE: 3/4" = 1'-0"



TYPICAL OVERBUILD FRAMING 9 S-310
SCALE: 3/4" = 1'-0"



	PROPOSED ADDITION
	PROP. STOOP AND STEPS

PHILADELPHIA AVE
(RTE#681, VARIABLE R/W)

- NOTES:
1. THIS SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.
 2. THE COUNTY RECORDED ACCOUNT #: 01061696.
 3. THE BOUNDARY INFORMATION SHOWN HEREON IS FROM RECORD AND DOES NOT CONSTITUTE A BOUNDARY BY THIS INDIVIDUAL.
 4. THE EXISTING HOUSE LOCATION PLAT IS A RESULT OF FIELD RUN SURVEY BY USING TOTAL STATION (EDM).
 5. IRF—IRON ROD FOUND & HELD. WK—WALKWAY, CLF—CHAIN LINK FENCE, WDF—WOOD FENCE, COLM—COLUMN, CHIM—CHIMNEY.



10/10/2024

EX.HOUSE LOCATION PLAT

FOR
LOT P16, BLOCK 2
HILLCREST
5 PHILADELPHIA AVE
TAKOMA PARK, MD 20912

PREPARED BY
GeoEnv Engineers

Civil, Environmental & Geotechnical Engineering
10875 Main Street, Suite 213
Fairfax, VA 22030
Phone: 703.591.7170
Fax: 703.591.7074



TABLE OF CONTENTS

PRODUCT INFORMATION

GENERAL INFORMATION 3

GRID & GLASS STOP OPTIONS 4

UNIT SIZING 5

TRIM, SILL NOSE & FRAME EXPANDER OPTIONS 6

JAMB EXTENDER & RETURN KERF OPTIONS 7

MULLION OPTIONS 8

SECTION DETAILS

OPERATOR SECTIONS 10

OPERATOR SECTIONS WITH PHANTOM SCREEN 11

IMPACT OPERATOR SECTIONS 12

PUSH OUT OPERATOR SECTIONS 13

PUSH OUT OPERATOR SECTIONS WITH PHANTOM SCREEN 14

PUSH OUT STATIONARY SECTIONS 15

STATIONARY SECTIONS 16

IMPACT STATIONARY SECTIONS 17

EXTENDED CIRCLE SEGMENT OPERATOR SECTIONS 18

IMPACT EXTENDED CIRCLE SEGMENT OPERATOR SECTIONS 19

EXTENDED CIRCLE SEGMENT STATIONARY SECTIONS 20

IMPACT EXTENDED CIRCLE SEGMENT STATIONARY SECTIONS 21

BAY SECTIONS 22

BAY STANDARD PROJECTION 23

BOW SECTIONS 24

BOW STANDARD PROJECTION 25

SIZING DETAILS

FORMULAS 26

MIN-MAX STANDARD SIZING 27

EGRESS CHARTS 30

RECTANGLE UNITS 32

EXTENDED CIRCLE SEGMENTS UNITS 41

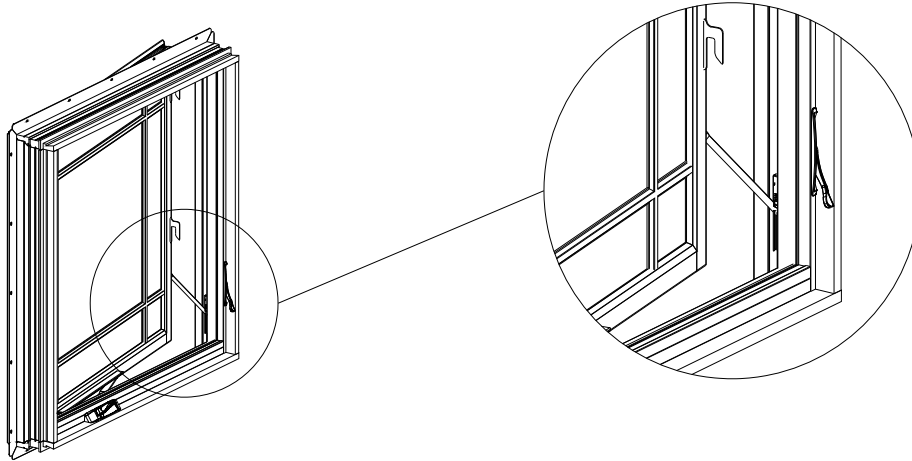
2-PANEL EXTENDED CIRCLE SEGMENTS UNITS 44

3-PANEL EXTENDED CIRCLE SEGMENTS UNITS 50

GENERAL INFORMATION

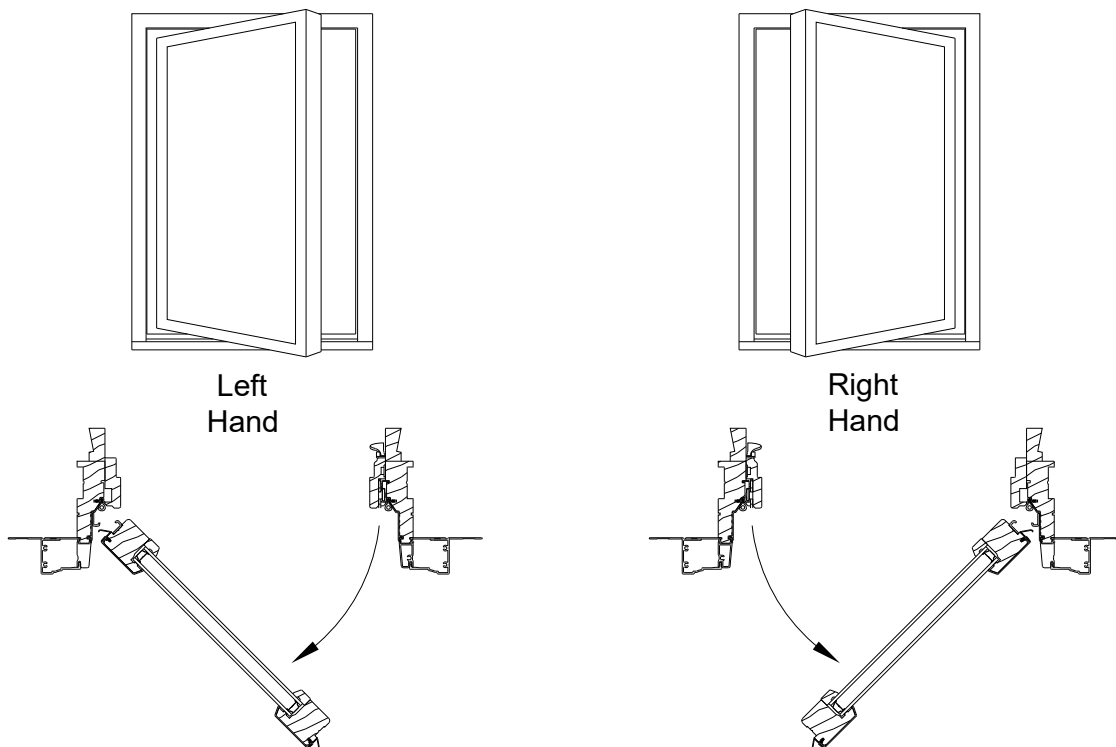
Window Opening Control Device (WOCD)

W-5500™ Clad-Wood Casement windows can be fitted with the optional WOCD. This limit device helps protect against potential falls by children through open windows. The WOCD limits initial window operation to 4" or less but can be bypassed by a two-step operation for full egress requirements. The WOCD automatically re-latches when the sash is fully closed.



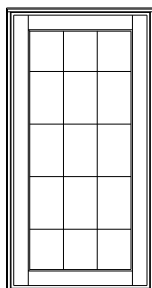
Handing

The direction the sash opens as viewed from the exterior of the window.

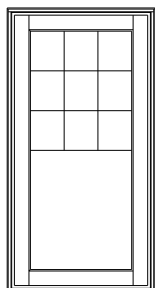


GRID & GLASS STOP OPTIONS

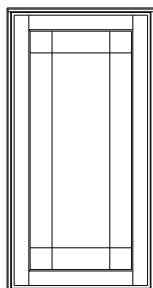
Grid Options



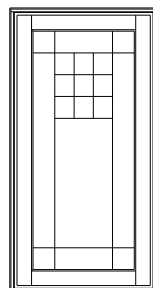
Colonial



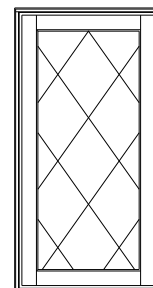
Colonial from
Top Down



Prairie

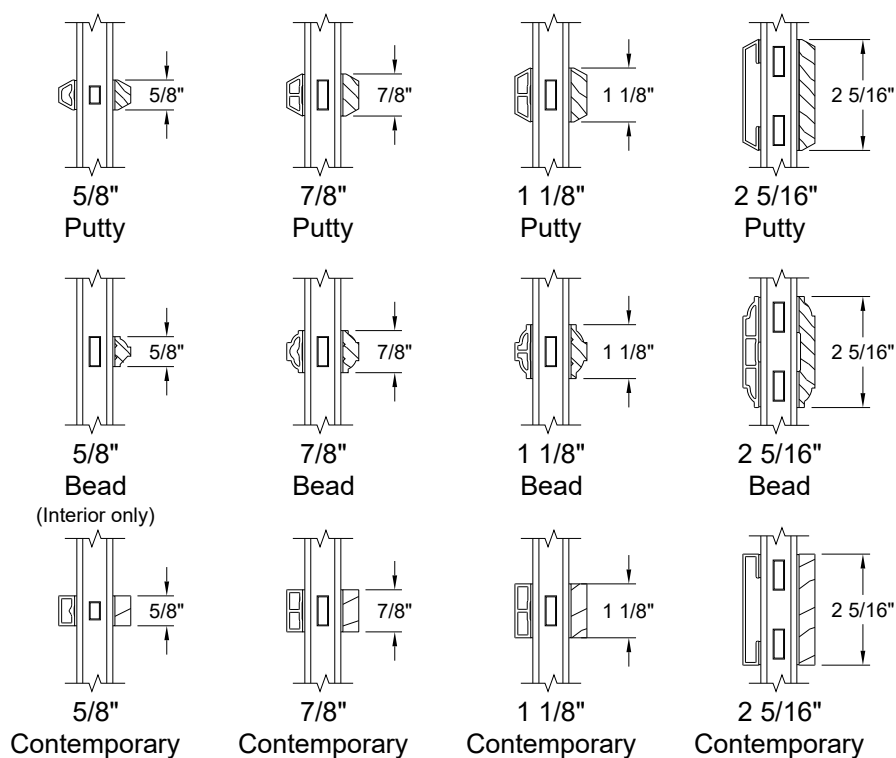


Uneven



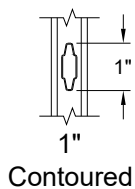
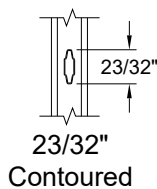
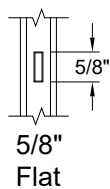
Diamond

Exterior ← SDL Options → Interior

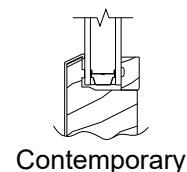
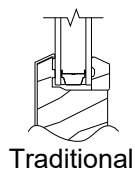


Note: Various Combinations of the SDL Bars Shown are Available

GBG Options



Glass Stop Options



UNIT SIZING

Rough Opening

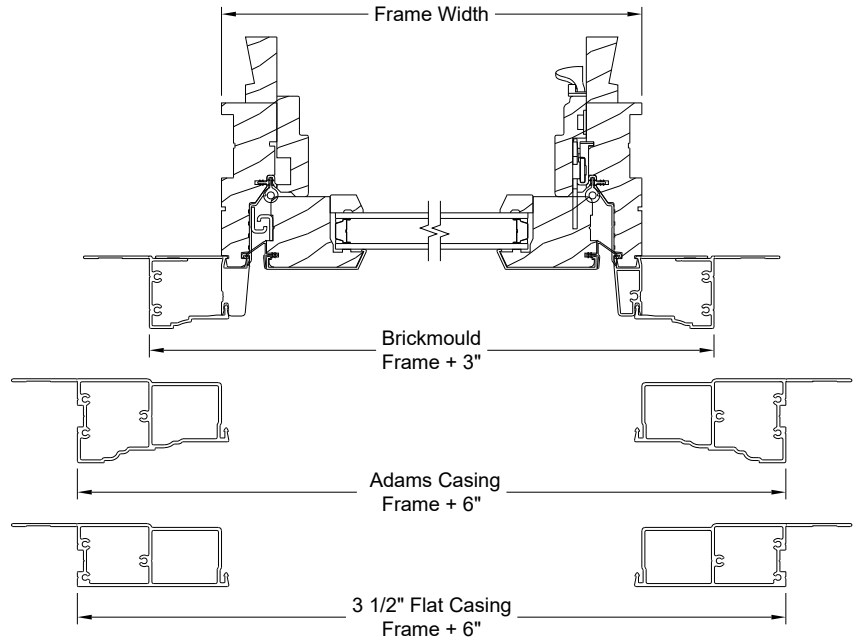
The frame size of the window plus 3/4".

Masonry Opening

The overall size of the window, including trim, plus 1/2".

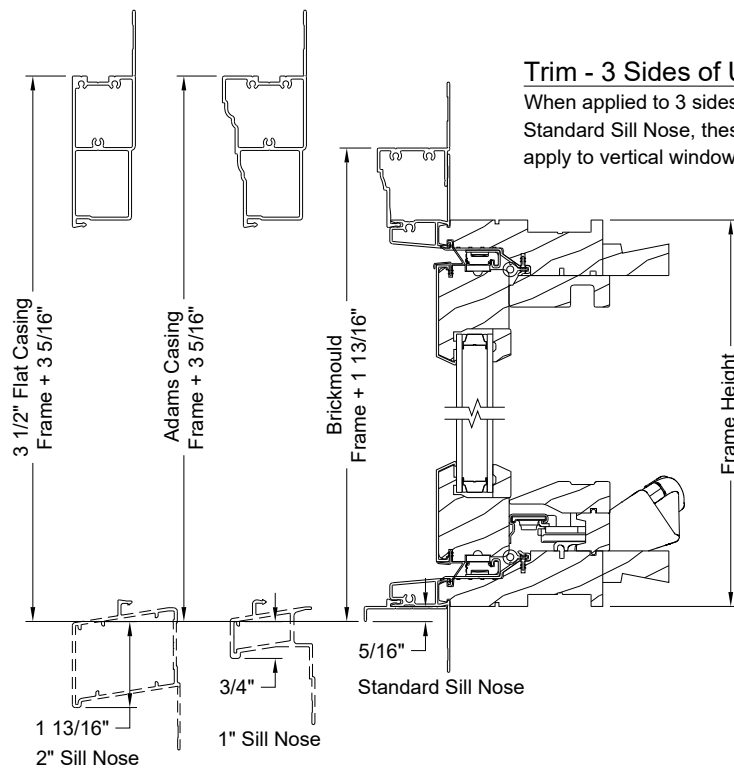
Trim - 4 Sides of Unit

When applied to four sides of unit, these dimensions apply to both vertical and horizontal window sections.



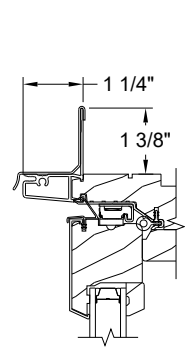
Trim - 3 Sides of Unit

When applied to 3 sides of the unit, with Standard Sill Nose, these dimensions apply to vertical window sections only.

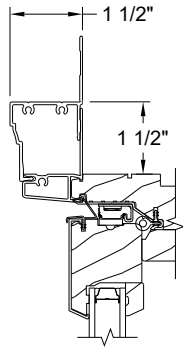


TRIM, SILL NOSE & FRAME EXPANDER OPTIONS

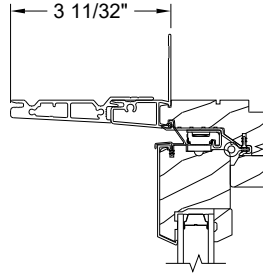
Trim Options



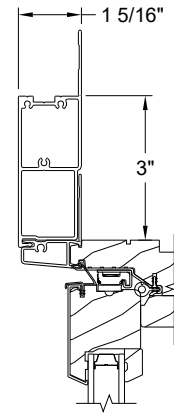
Standard Nail Fin



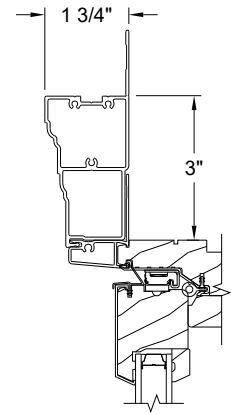
Brickmould



2" Exterior Extender
(Rectangle units & all 4 sides only)

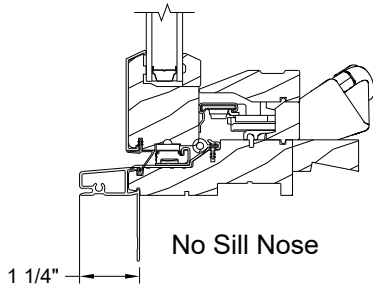


3 1/2" Flat Casing

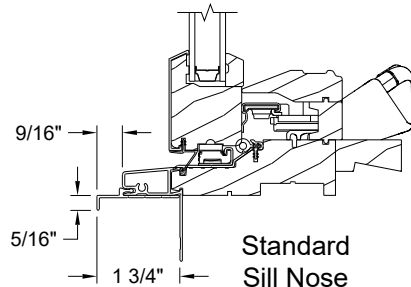


Adams Casing

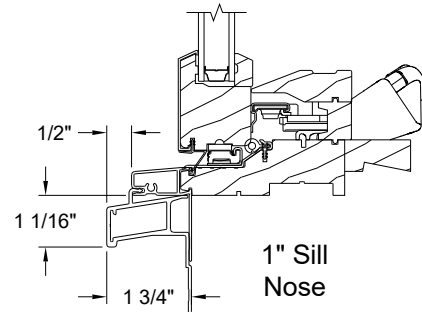
Sill Nose Options



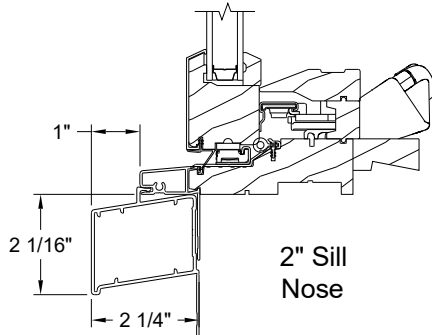
No Sill Nose



Standard Sill Nose

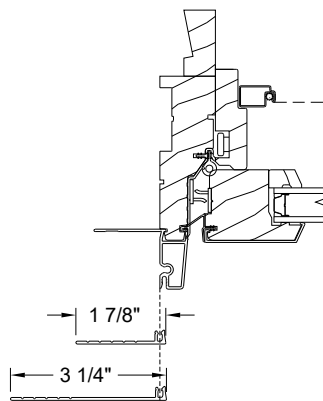


1" Sill Nose



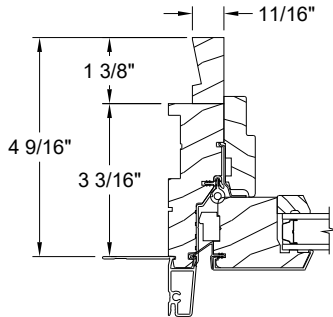
2" Sill Nose

Frame Expander Options

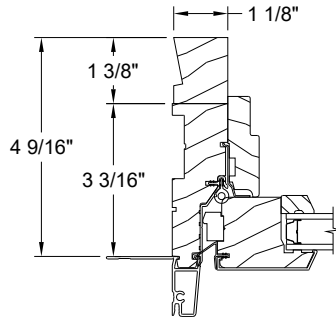


JAMB EXTENDER & RETURN KERF OPTIONS

Interior Extenders



4 9/16" Jamb Width
4/4 Jamb Thickness



4 9/16" Jamb Width
5/4 Jamb Thickness

Return Kerfs

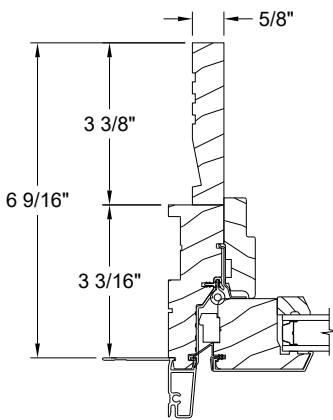
Generally located from first visible interior frame line.
Kerf option is typically available on all jamb extender sizes.

3/32" Kerf
1/4" Offset

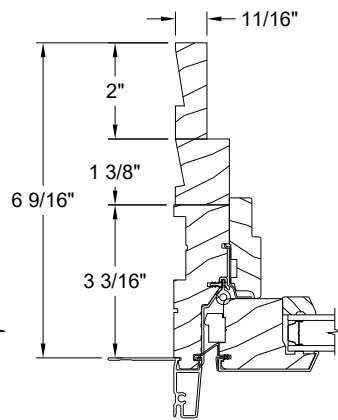
3/32" Kerf
3/8" Offset

4/4 Jamb Typ.

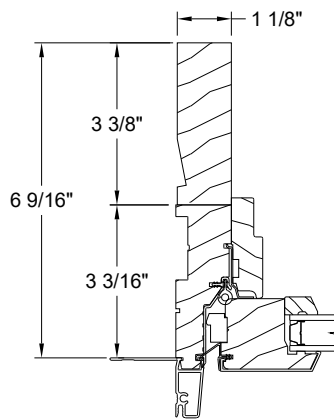
5/4 Jamb Typ.



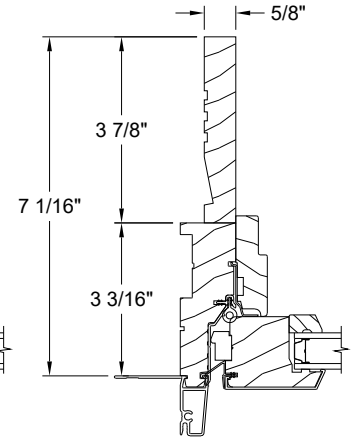
6 9/16" Jamb Width
4/4 Jamb Thickness



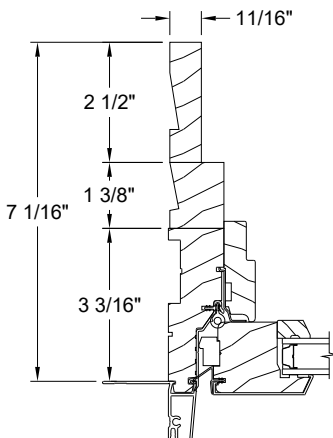
6 9/16" Jamb Width
5/4 - 4/4 Stacked Jamb



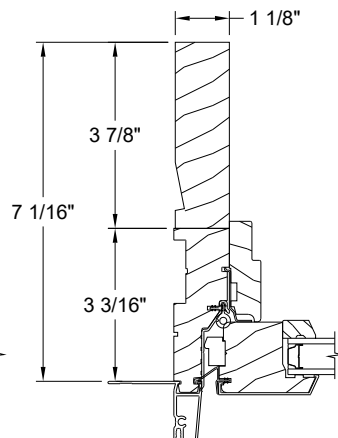
6 9/16" Jamb Width
5/4 Jamb Thickness



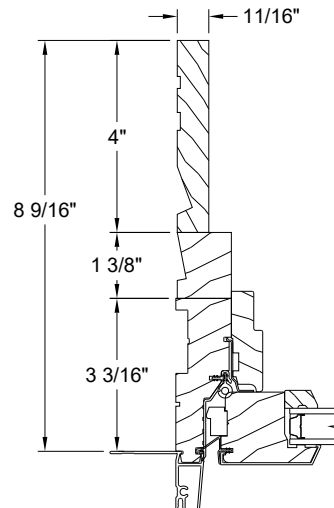
7 1/16" Jamb Width
4/4 Jamb Thickness



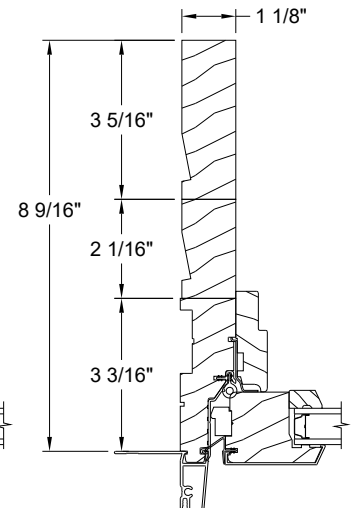
7 1/16" Jamb Width
5/4 - 4/4 Stacked Jamb



7 1/16" Jamb Width
5/4 Jamb Thickness

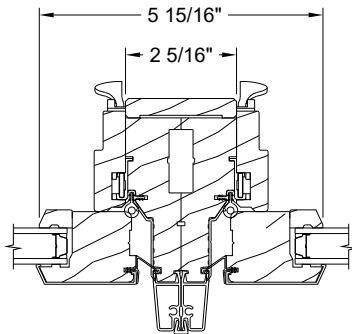


8 9/16" Jamb Width
5/4 - 4/4 Stacked Jamb

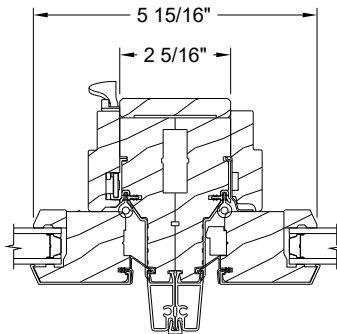


8 9/16" Jamb Width
5/4 - 5/4 Stacked Jamb

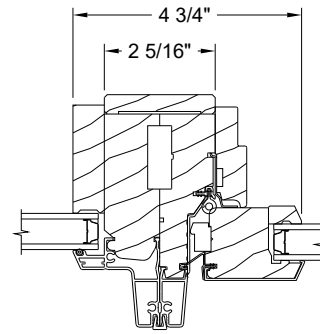
MULLION OPTIONS



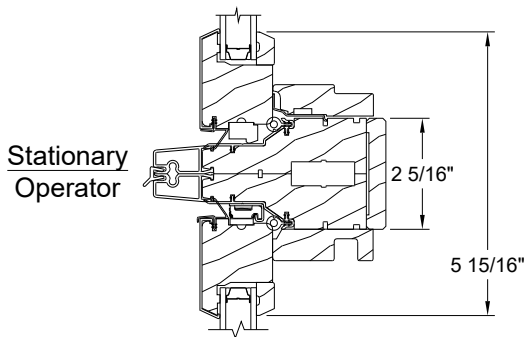
Operator | Operator



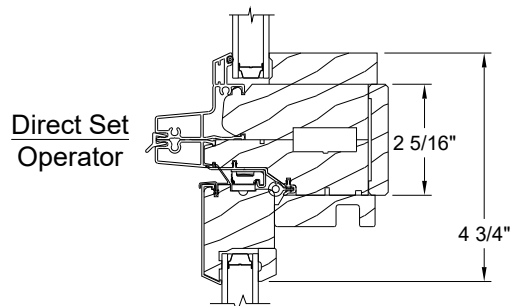
Operator | Stationary



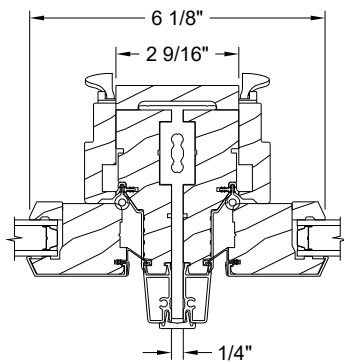
Direct Set | Operator



Stationary
Operator

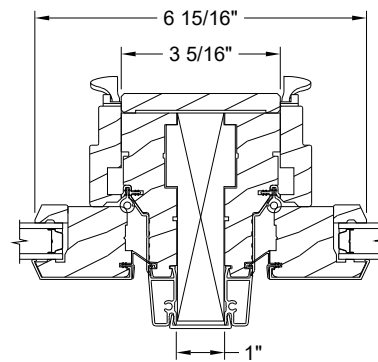


Direct Set
Operator



Operator | Operator

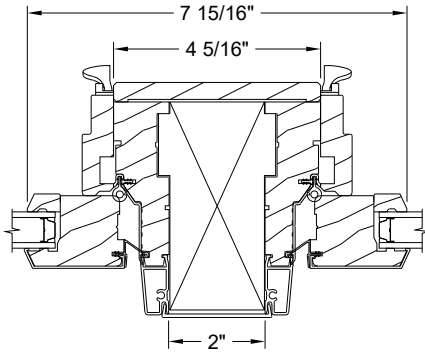
1/4" Structural Mull



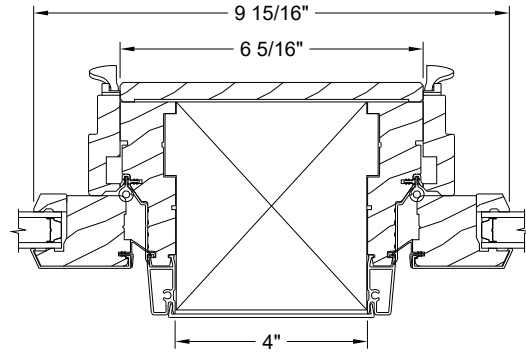
Operator | Operator

1" Solid Spread Mull

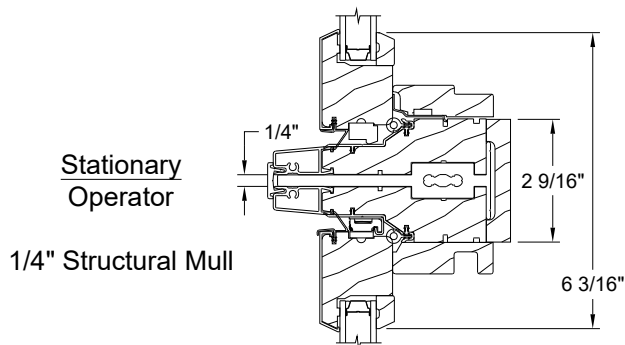
MULLION OPTIONS



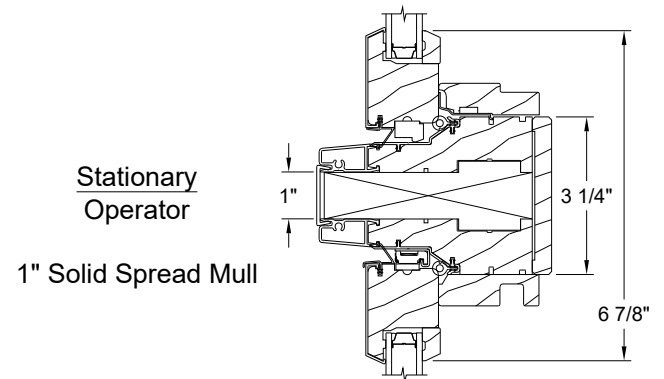
Operator | Operator
2" Solid Spread Mull



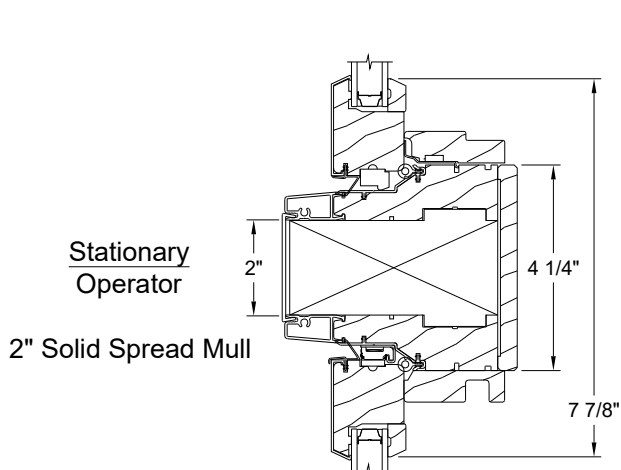
Operator | Operator
4" Solid Spread Mull



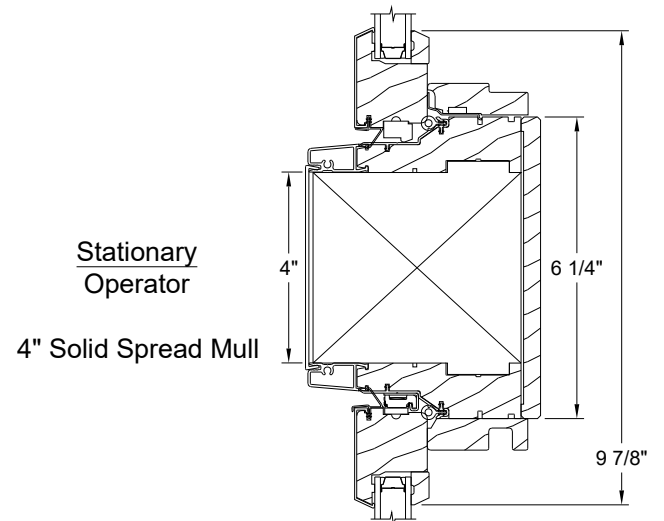
Stationary
Operator
1/4" Structural Mull



Stationary
Operator
1" Solid Spread Mull

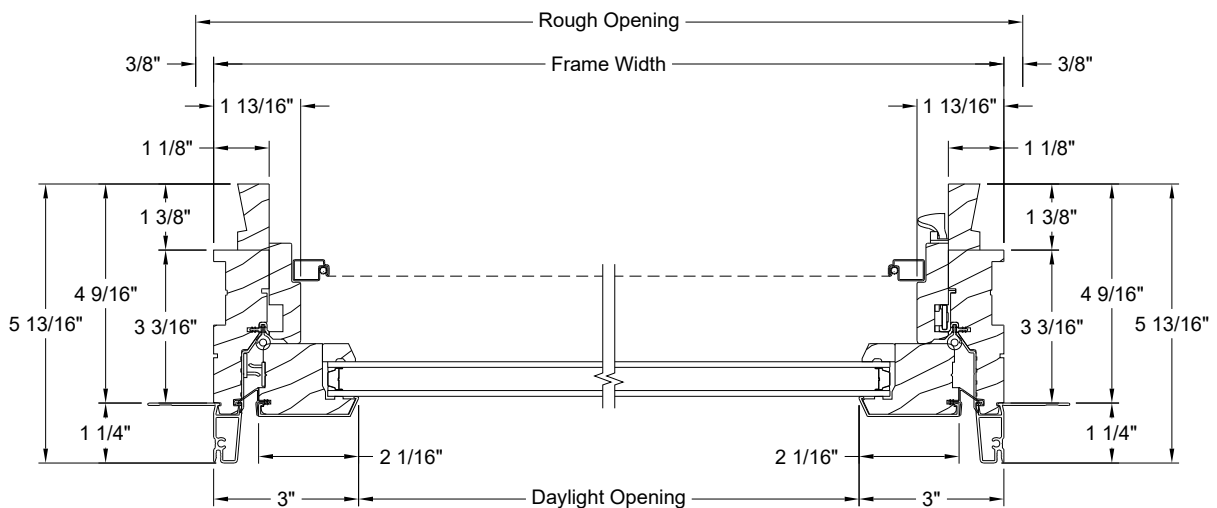
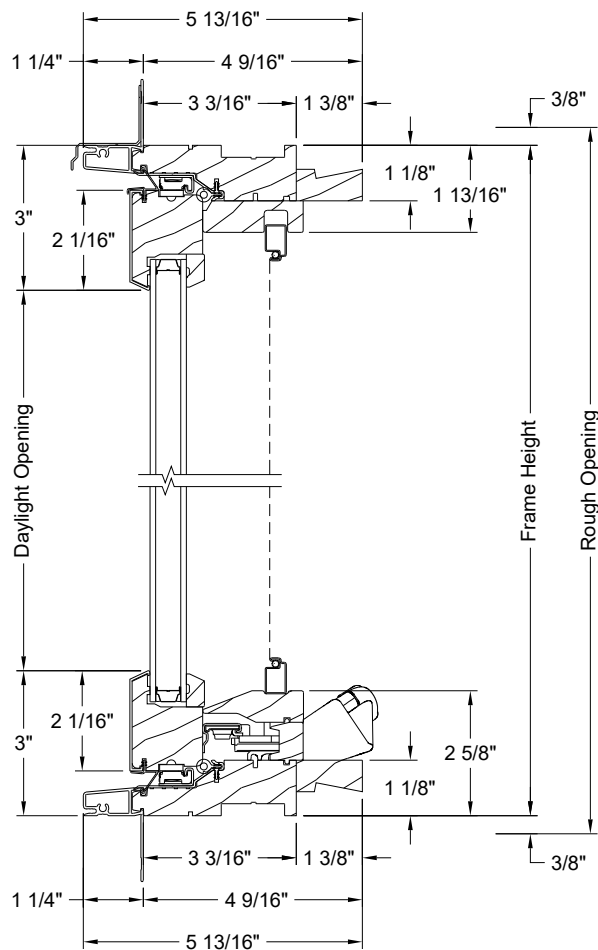
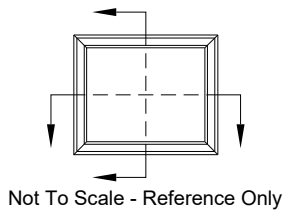


Stationary
Operator
2" Solid Spread Mull

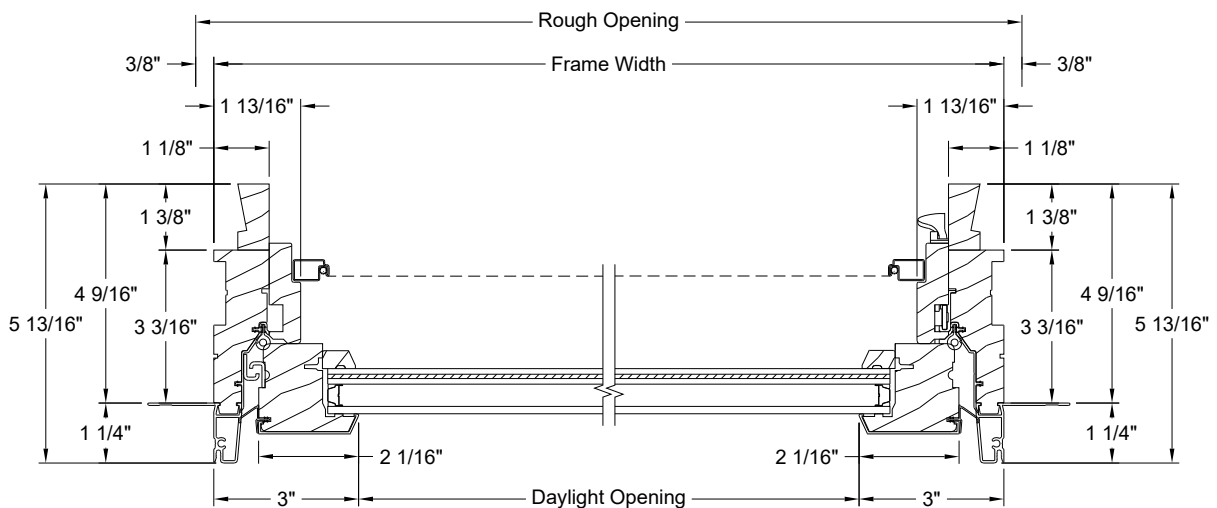
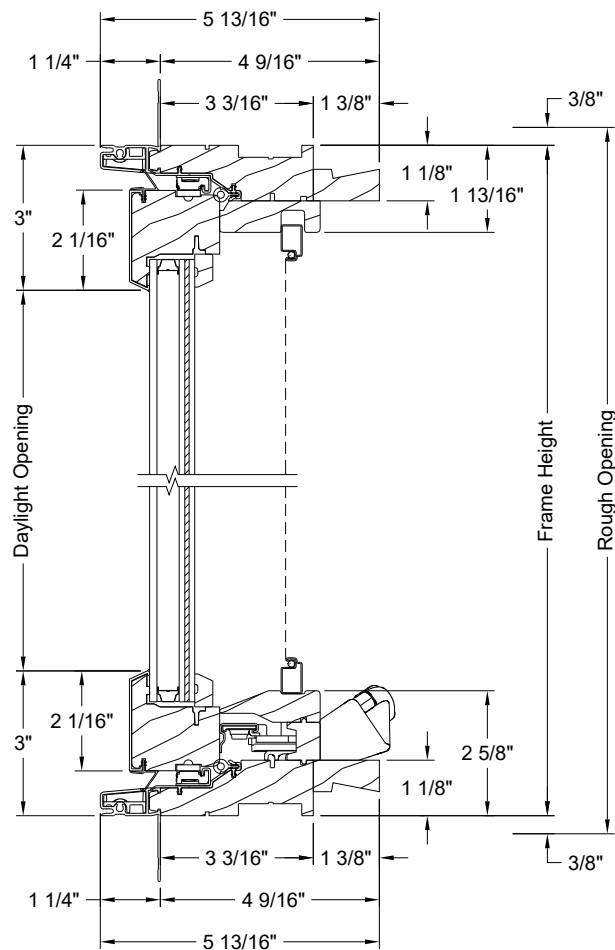
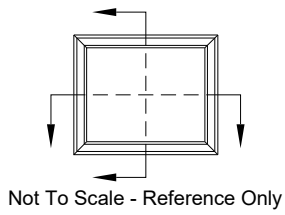


Stationary
Operator
4" Solid Spread Mull

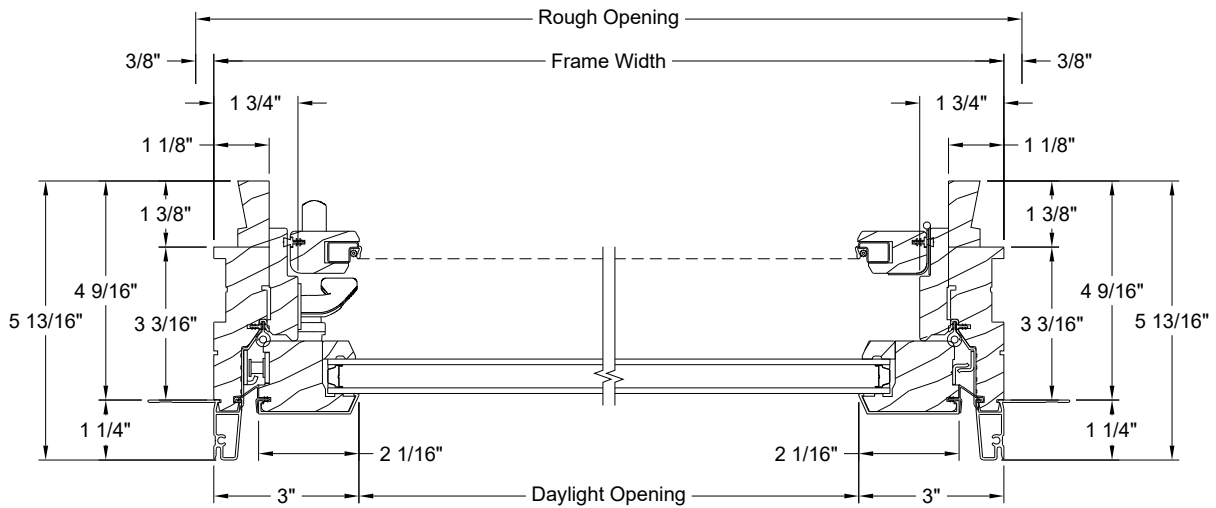
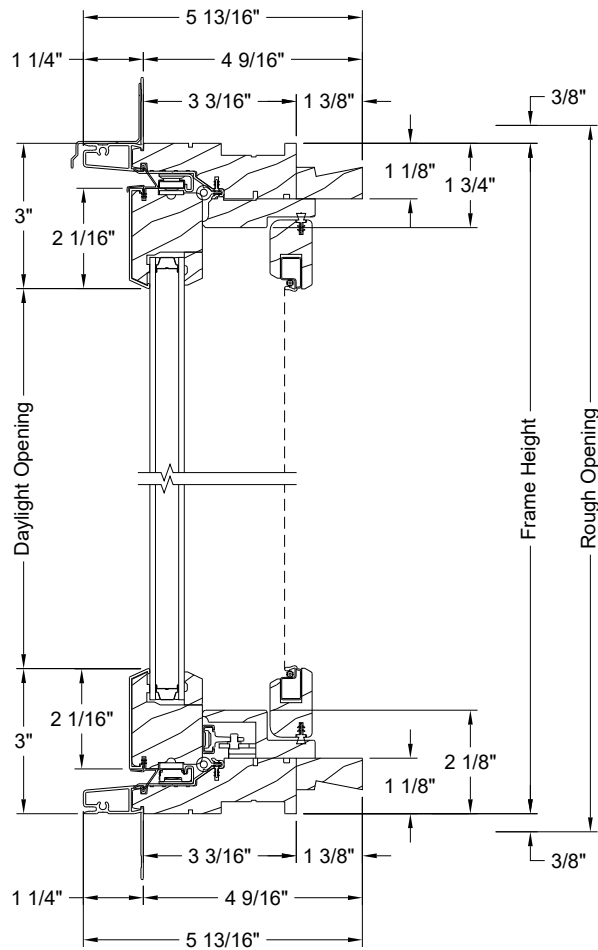
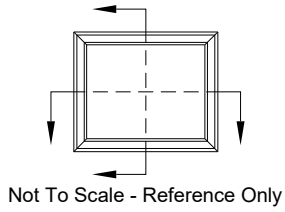
OPERATOR SECTIONS



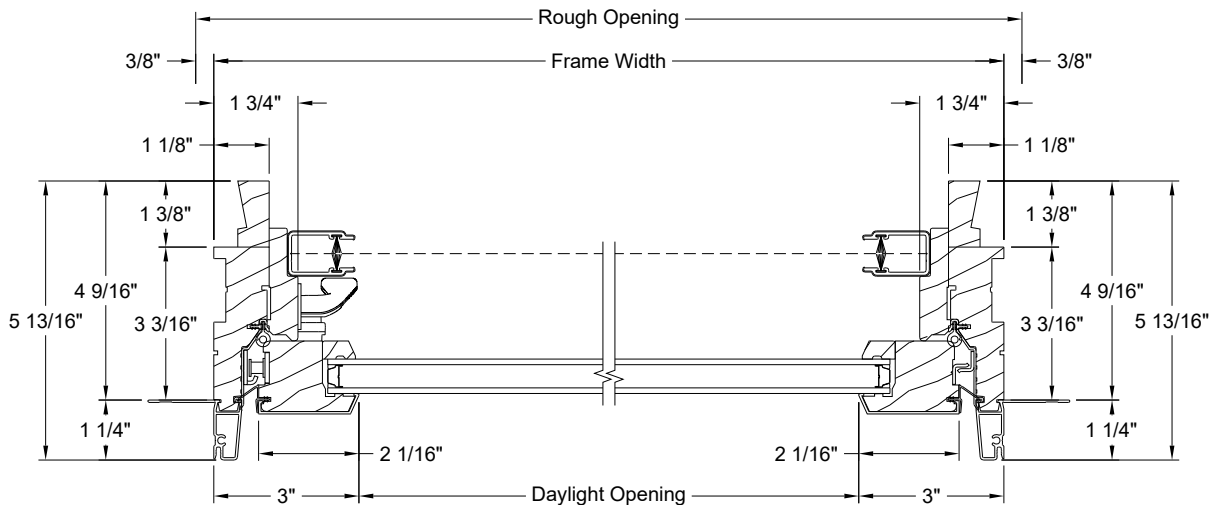
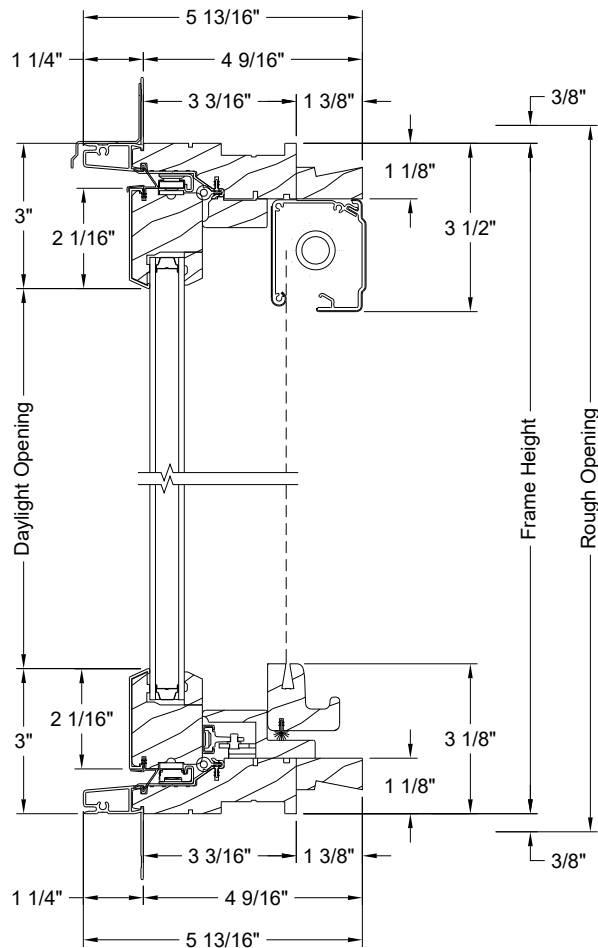
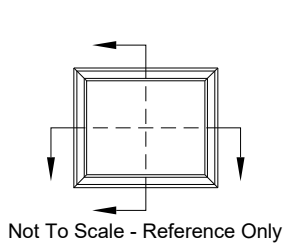
IMPACT OPERATOR SECTIONS



PUSH OUT OPERATOR SECTIONS

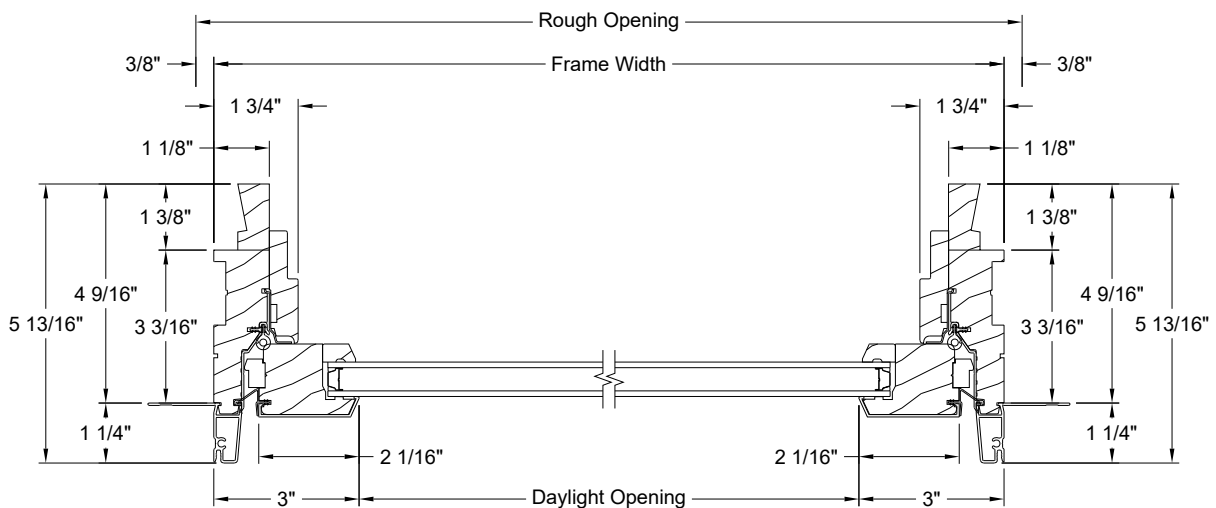
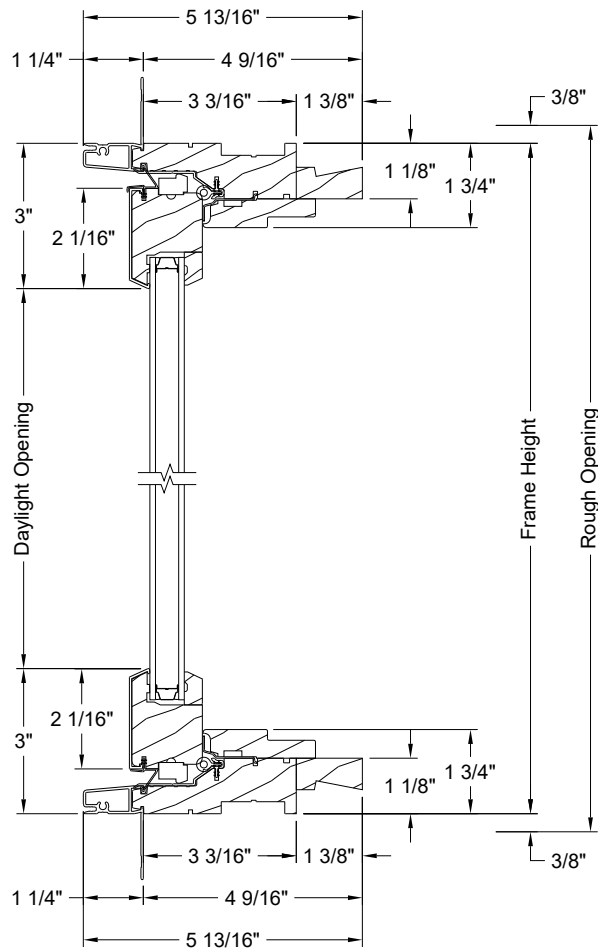
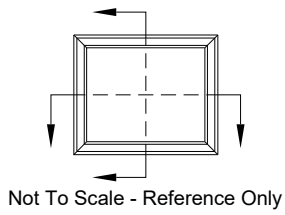


PUSH OUT OPERATOR SECTIONS WITH PHANTOM SCREEN

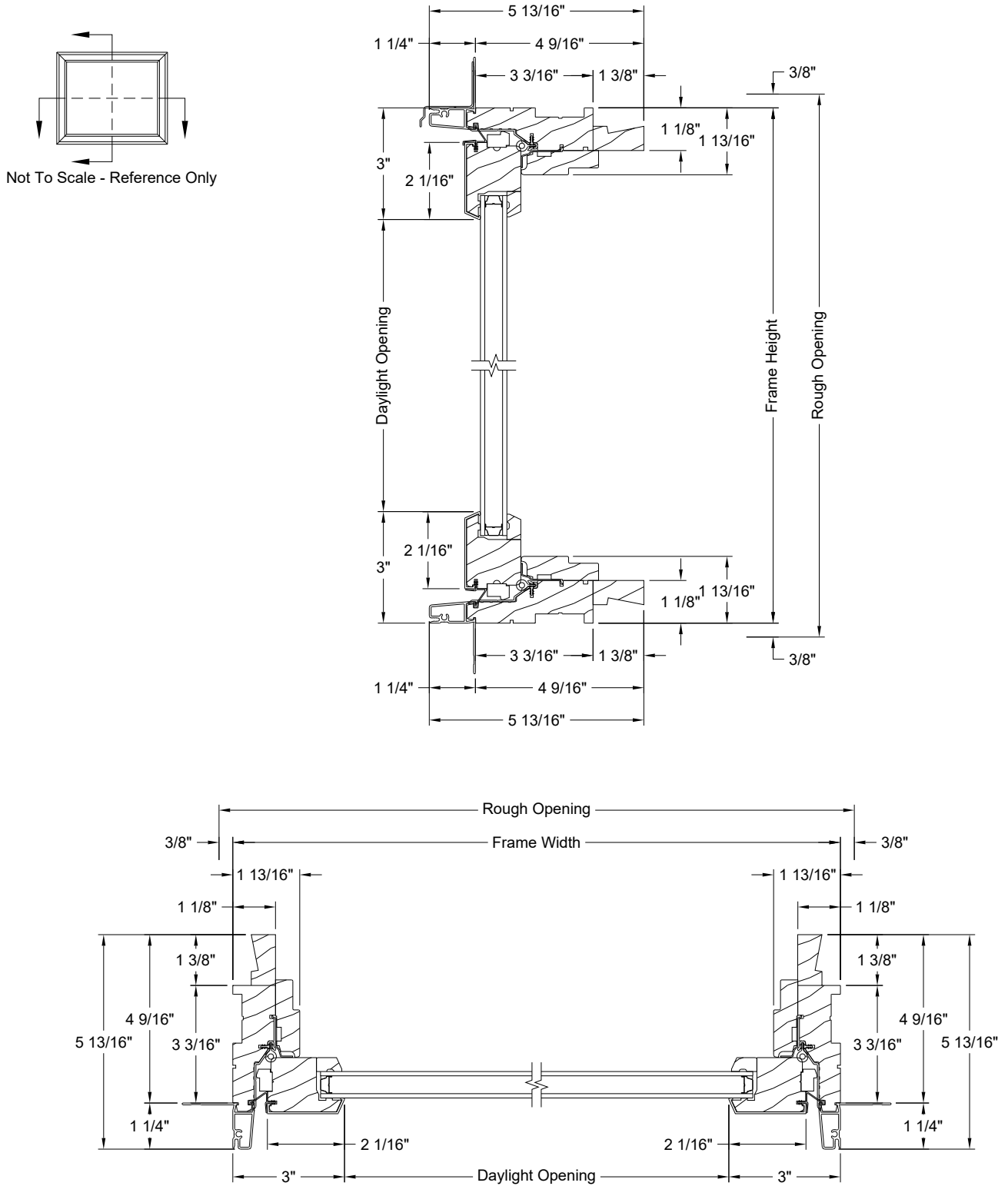


Frame shown with minimum wall depth for the phantom screen option.

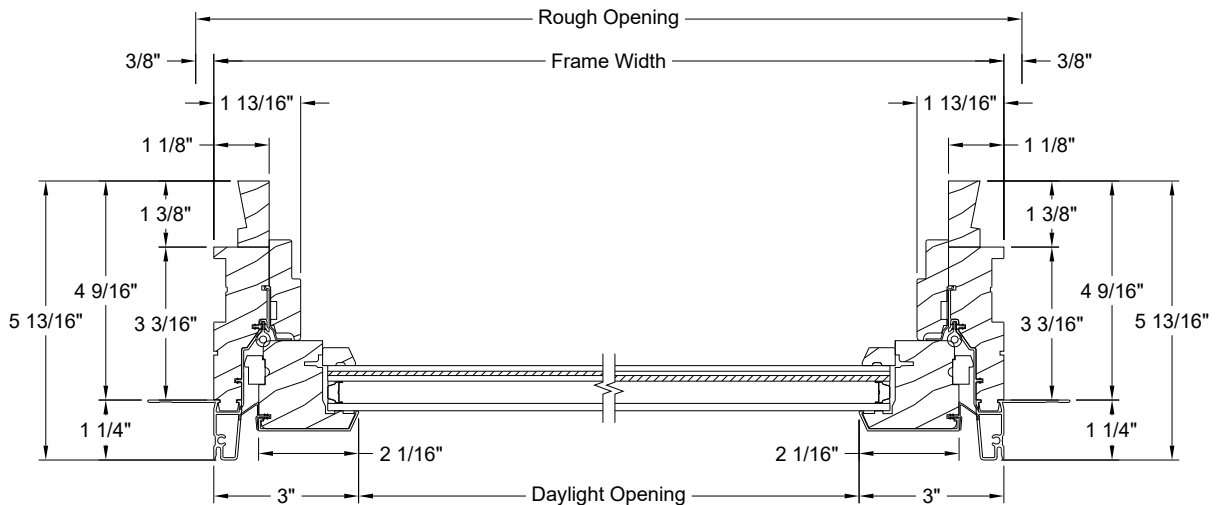
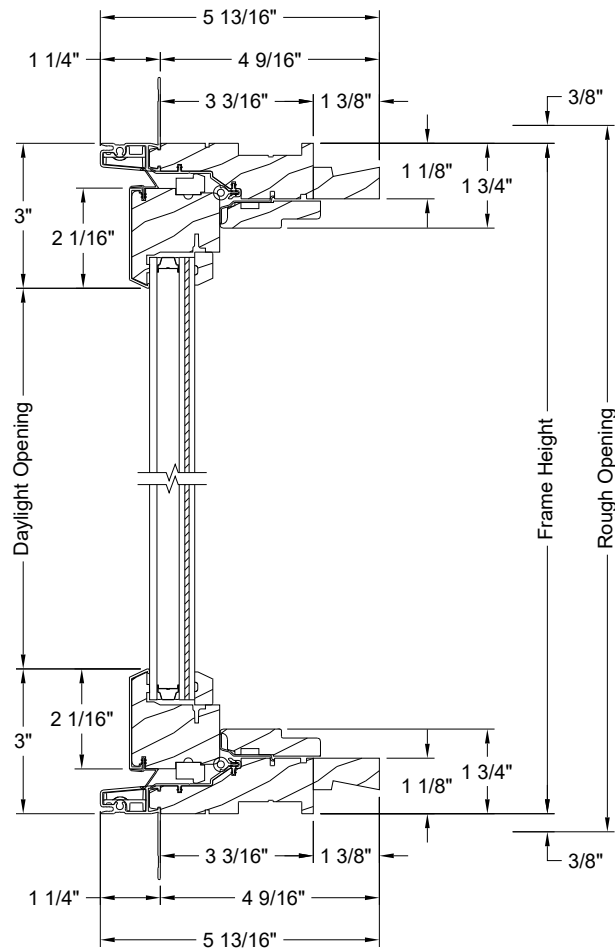
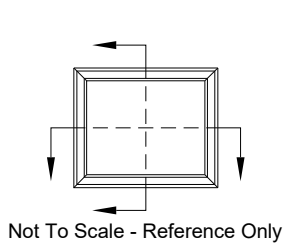
PUSH OUT STATIONARY SECTIONS



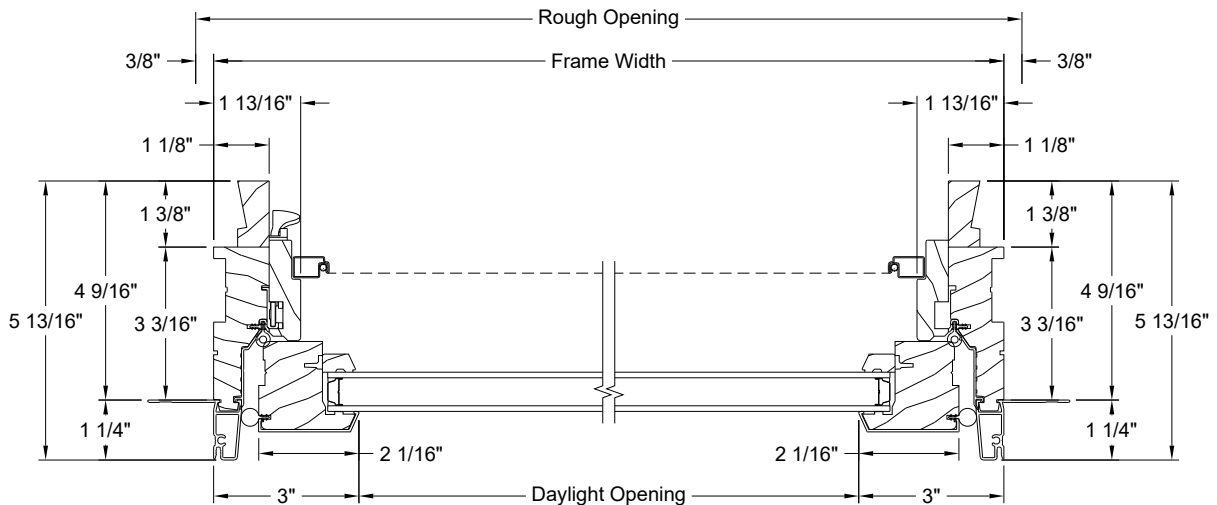
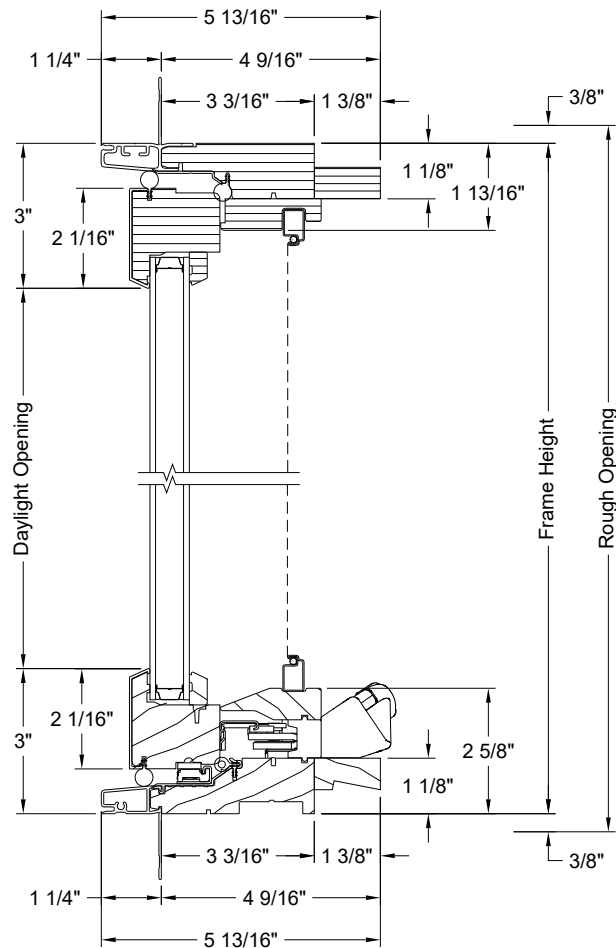
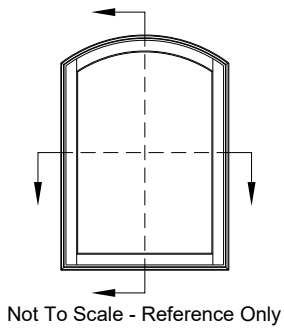
STATIONARY SECTIONS



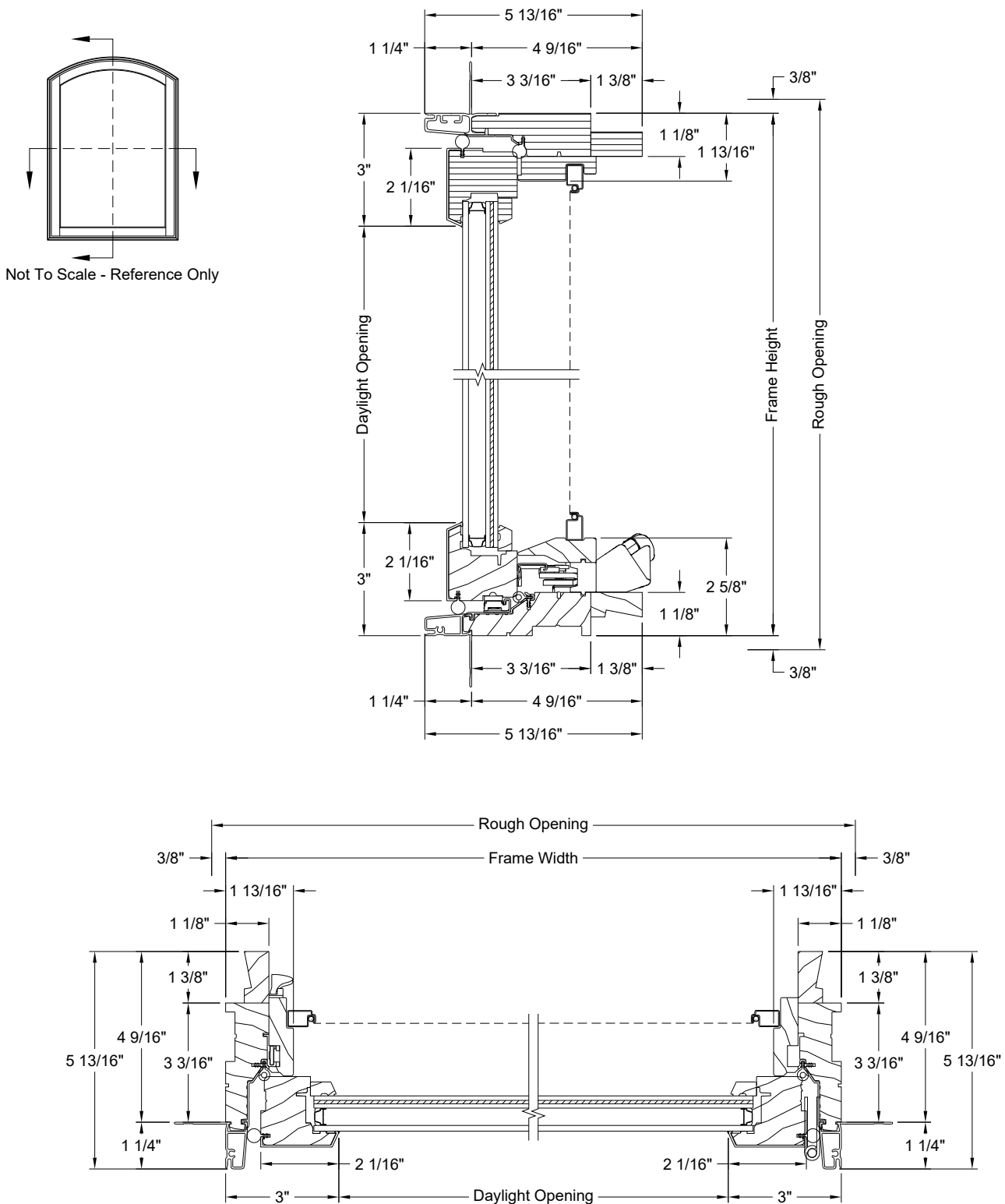
IMPACT STATIONARY SECTIONS



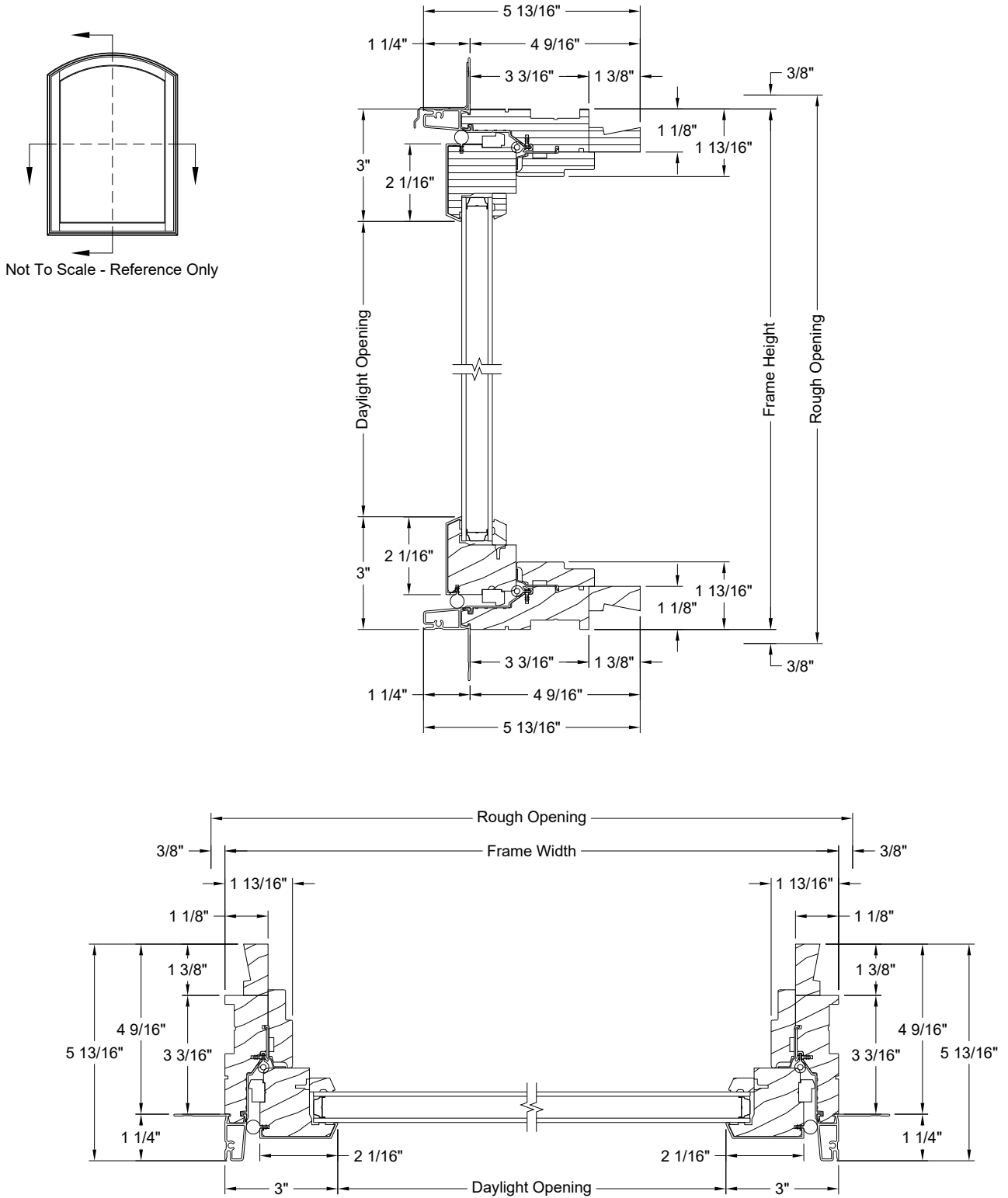
EXTENDED CIRCLE SEGMENT OPERATOR SECTIONS



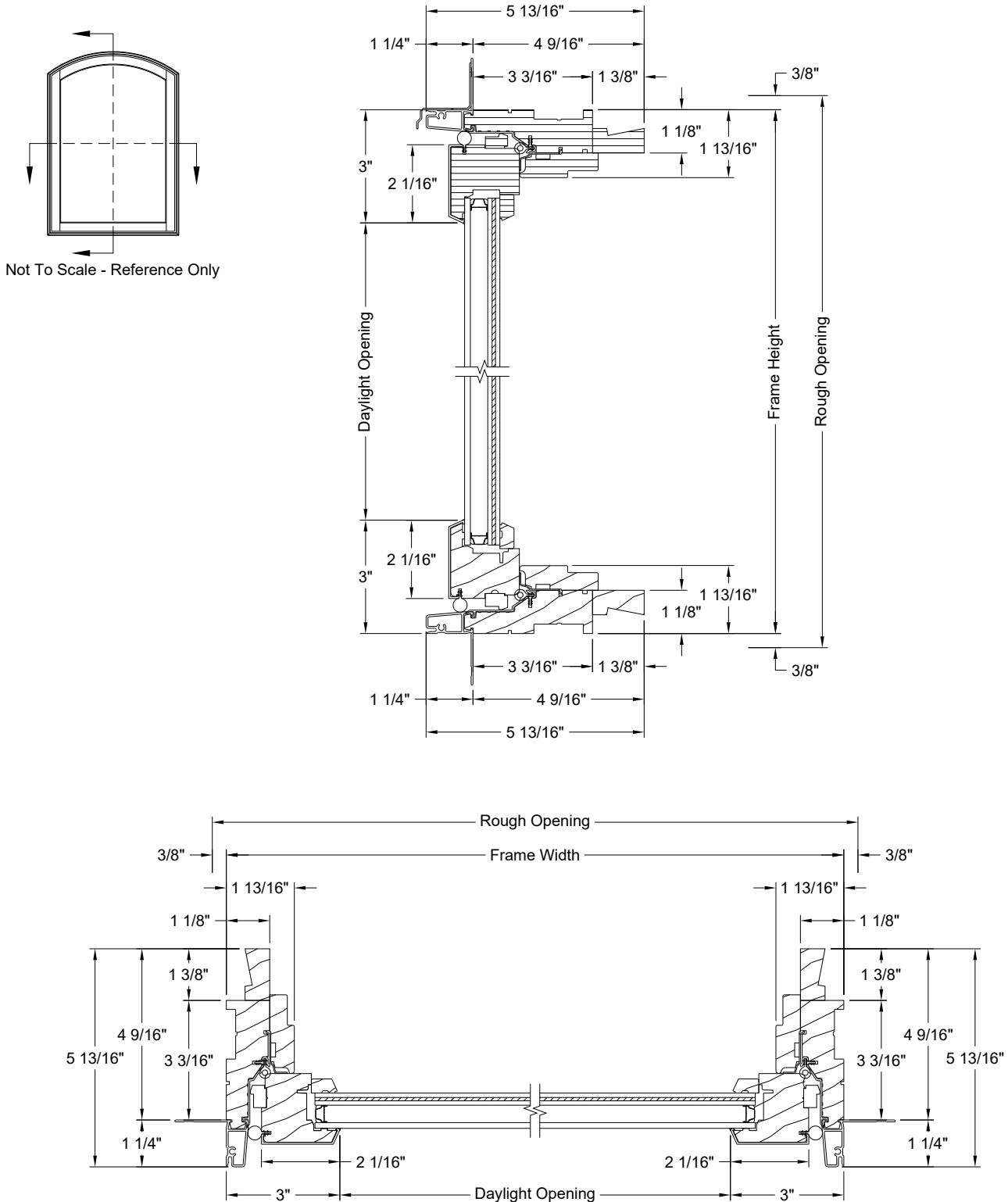
IMPACT EXTENDED CIRCLE SEGMENT OPERATOR SECTIONS



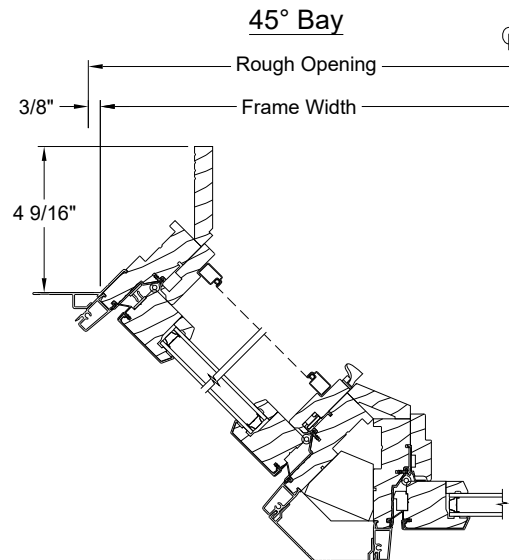
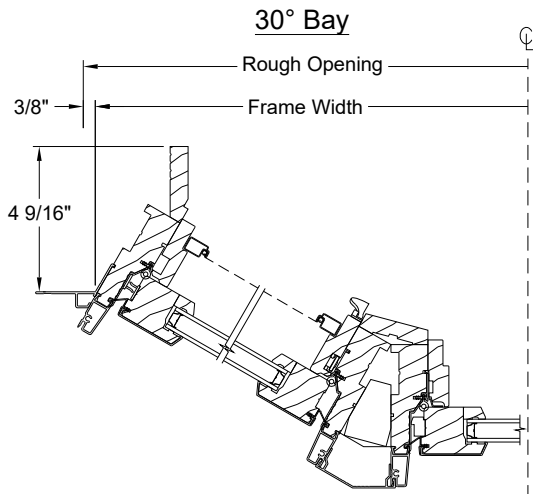
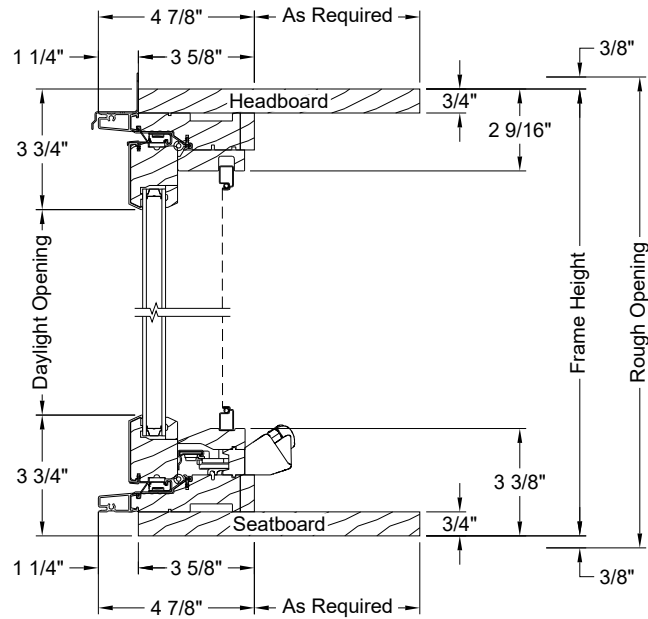
EXTENDED CIRCLE SEGMENT STATIONARY SECTIONS



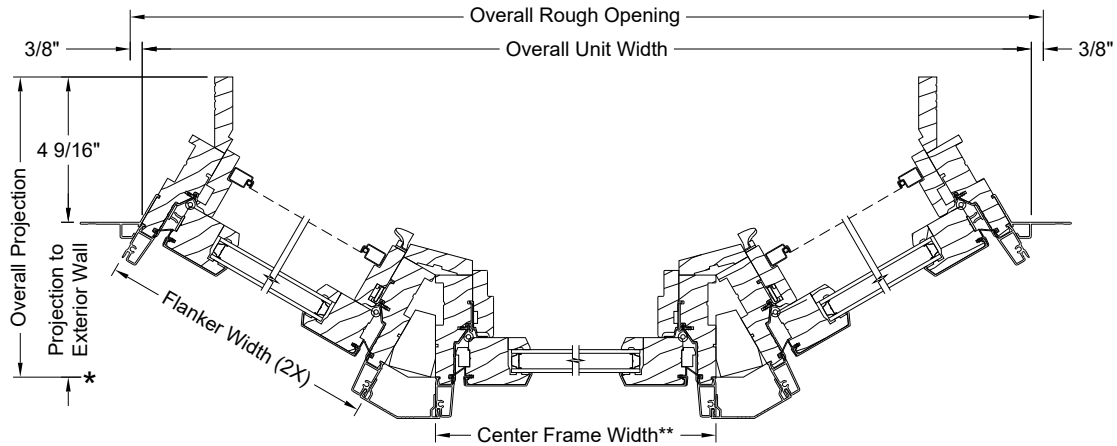
IMPACT EXTENDED CIRCLE SEGMENT STATIONARY SECTIONS



BAY SECTIONS



BAY STANDARD PROJECTIONS



30° Bay				
Frame Width	Overall Unit Width	Overall Rough Opening	Projection to Exterior Wall	Overall Projection
18"	71 3/4"	72 1/2"	9 7/16"	14"
20"	75 3/16"	75 15/16"	10 7/16"	15"
24"	82 1/8"	82 7/8"	12 7/16"	17"
28"	89 1/16"	89 13/16"	14 7/16"	19"
30"	92 1/2"	93 1/4"	15 7/16"	20"
36"	102 15/16"	103 11/16"	18 7/16"	23"

45° Bay				
Frame Width	Overall Unit Width	Overall Rough Opening	Projection to Exterior Wall	Overall Projection
18"	65 31/32"	66 23/32"	13 21/32"	18 7/32"
20"	68 25/32"	69 17/32"	15 3/32"	19 21/32"
24"	74 7/16"	75 3/16"	17 29/32"	22 15/32"
28"	80 3/32"	80 27/32"	20 3/4"	25 5/16"
30"	82 15/16"	83 11/16"	22 5/32"	26 23/32"
36"	91 13/32"	92 5/32"	26 13/32"	30 31/32"

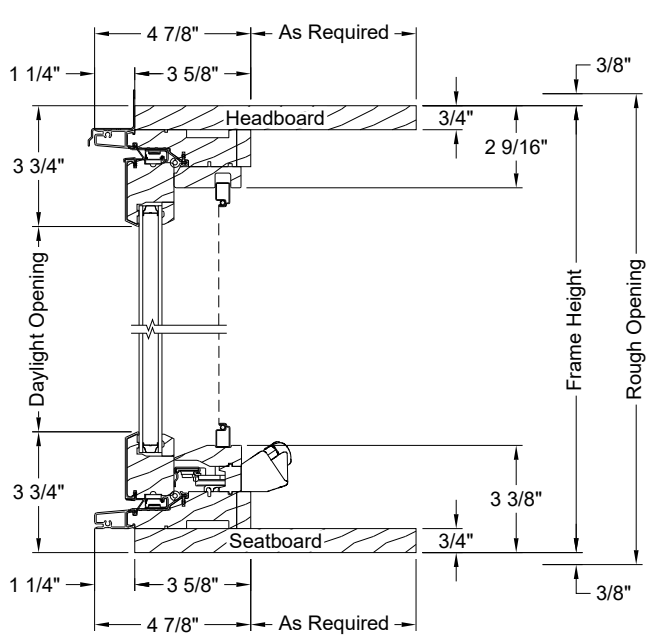
30° bay shown for reference only.

Table values calculated using 4 9/16" jamb depths and a standard nail fin.

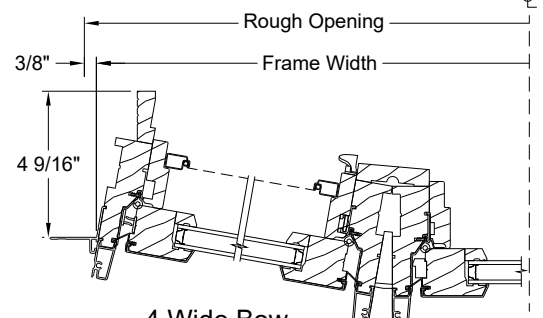
* Projections are measured to the back of the forward most section of the nail fin.

** Overall Unit Width and Overall Rough Opening calculated using a 36" Center Frame Width. To calculate the values with a different Center Frame Width, add the difference of the Center Frame Widths to the overall width values.

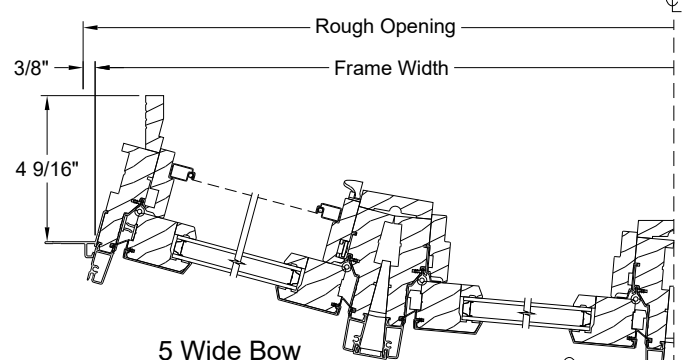
BOW SECTIONS



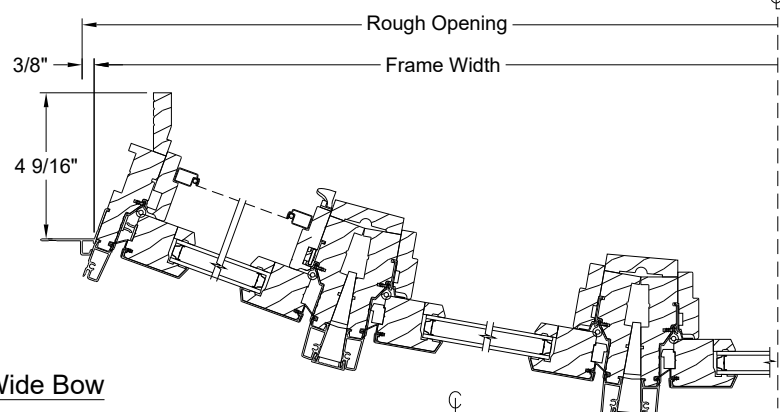
3 Wide Bow



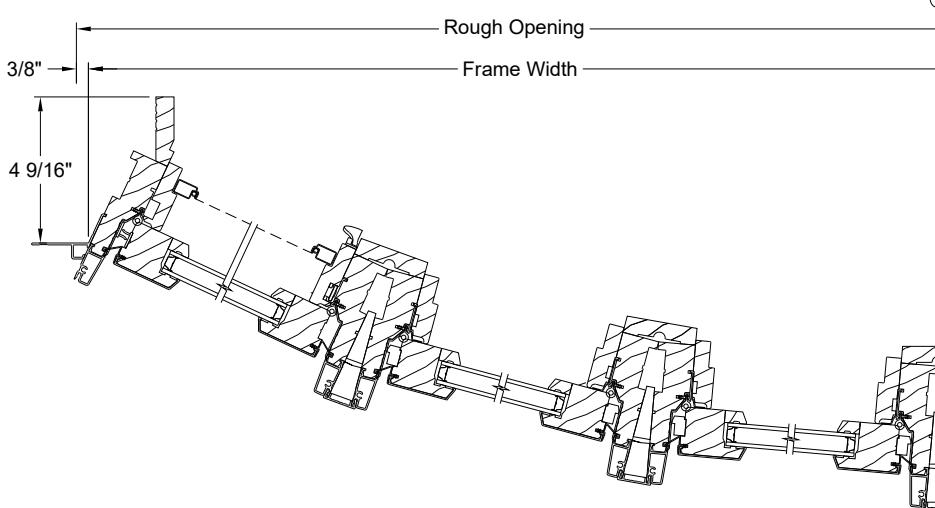
4 Wide Bow



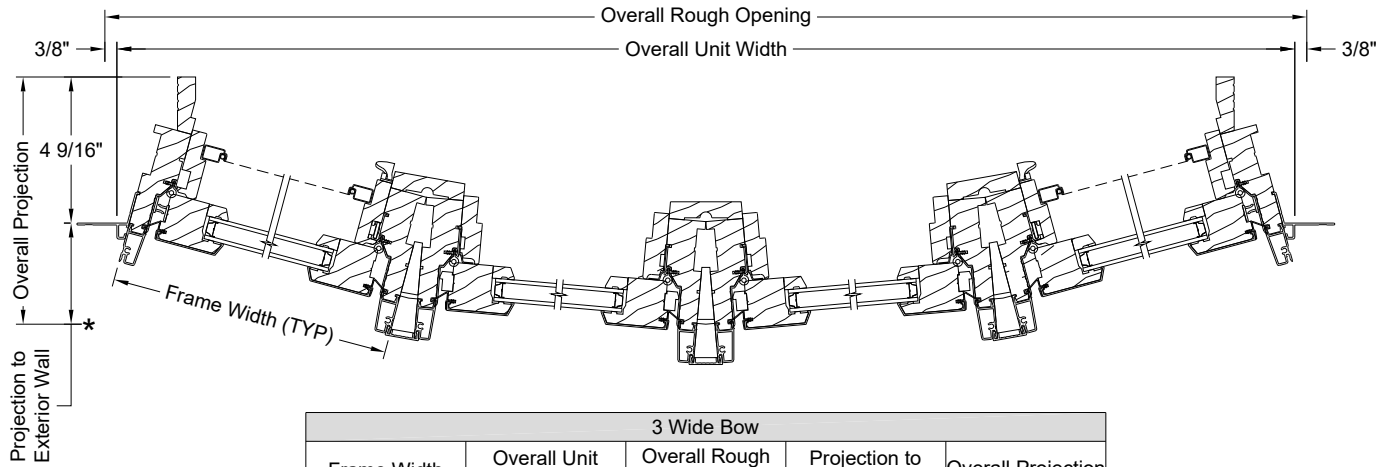
5 Wide Bow



6 Wide Bow



BOW STANDARD PROJECTIONS



3 Wide Bow				
Frame Width	Overall Unit Width	Overall Rough Opening	Projection to Exterior Wall	Overall Projection
17"	51 19/32"	52 11/16"	3"	7 9/16"
18"	54 9/16"	55 5/16"	3 3/16"	7 3/4"
20"	60 1/2"	61 1/4"	3 17/32"	8 3/32"
24"	72 3/8"	73 1/8"	4 7/32"	8 25/32"
28"	84 1/4"	85"	4 15/16"	9 1/2"
30"	90 3/16"	90 15/16"	5 9/32"	9 27/32"

4 Wide Bow				
Frame Width	Overall Unit Width	Overall Rough Opening	Projection to Exterior Wall	Overall Projection
17"	68 3/32"	68 27/32"	6 19/32"	11 5/32"
18"	72 1/16"	72 13/16"	6 27/32"	11 13/32"
20"	79 31/32"	80 23/32"	7 3/8"	11 15/16"
24"	95 27/32"	96 19/32"	8 13/32"	12 31/32"
28"	111 11/16"	112 7/16"	9 15/32"	14 1/32"
30"	119 19/32"	120 11/32"	10"	14 9/16"

5 Wide Bow				
Frame Width	Overall Unit Width	Overall Rough Opening	Projection to Exterior Wall	Overall Projection
17"	84 19/32"	85 11/32"	8 31/32"	13 17/32"
18"	89 15/32"	90 7/32"	9 15/32"	14 1/32"
20"	99 5/32"	99 29/32"	10 1/2"	15 1/16"
24"	118 9/16"	119 5/16"	12 9/16"	17 1/8"
28"	137 15/16"	138 11/16"	14 5/8"	19 3/16"
30"	147 21/32"	148 13/32"	15 21/32"	20 7/32"

6 Wide Bow				
Frame Width	Overall Unit Width	Overall Rough Opening	Projection to Exterior Wall	Overall Projection
17"	100 7/32"	100 31/32"	13 3/8"	17 15/16"
18"	105 31/32"	106 23/32"	14 5/32"	18 23/32"
20"	117 7/16"	118 3/16"	15 11/16"	20 1/4"
24"	140 3/8"	141 1/8"	18 3/4"	23 5/16"
28"	163 5/16"	164 1/16"	21 27/32"	26 13/32"
30"	174 13/16"	175 9/16"	23 3/8"	27 15/16"

4 wide bow shown for reference only.

Table values calculated using 4 9/16" jamb depths and a standard nail fin.

*Projections are measured to the back of the forward most section of the nail fin.

FORMULAS

Understanding JELD-WEN Book Codes:

W-5500™ Clad-Wood Window Product	Prefix	Width Code	Height Code
Standard Casement	SCC	WW	HH
Push Out Casement	SCPOC		
Extended Circle Segment Casement	SCCS		

Sample Book Code:

SCC3236 = W-5500™ Clad-Wood Casement, 32" x 36" Frame Size

SCPOC3236 = W-5500™ Clad-Wood Push Out Casement, 32" x 36" Frame Size

SCCS3236 = W-5500™ Clad-Wood 1-Panel Extended Circle Segment Casement, 32" x 36" Frame Size

SCCS3236-2 = W-5500™ Clad-Wood 2-Panel Extended Circle Segment Casement, 64" x 36" Frame Size

Formulas	
Rough Opening	$(\text{Frame Width} + 3/4") \times (\text{Frame Height} + 3/4")$
Masonry Opening	$(\text{Overall Width} + 1/2") \times (\text{Overall Height} + 1/2")$
Daylight Opening ft²	$((\text{Frame Width} - 5 7/8") \times (\text{Frame Height} - 5 7/8")) / 144$
Clear Opening ft²	
Standard Casement - Standard Hinge	$((\text{Frame Width} - 9 7/8") \times (\text{Frame Height} - 4 7/16")) / 144$
Standard Casement - Egress Hinge	$((\text{Frame Width} - 5 1/2") \times (\text{Frame Height} - 4 13/32")) / 144$
Standard Casement - Butt Hinge	$((\text{Frame Width} - 4 13/32") \times (\text{Frame Height} - 4 13/32")) / 144$
Push Out Casement - Friction Hinge	$((\text{Frame Width} - 9 15/16") \times (\text{Frame Height} - 4 1/16")) / 144$
Extended Circle Segment Casement - 1-Panel	$((\text{Frame Width} - 9 7/8") \times (\text{Leg Height} - 2 19/32")) / 144$
Extended Circle Segment Casement - 2-Panel	$((\text{Frame Width} / 2 - 9 7/8") \times (\text{Leg Height} - 2 19/32")) / 144$
Extended Circle Segment Casement - 3-Panel	$((\text{Frame Width} / 3 - 9 7/8") \times (\text{Leg Height} - 2 19/32")) / 144$

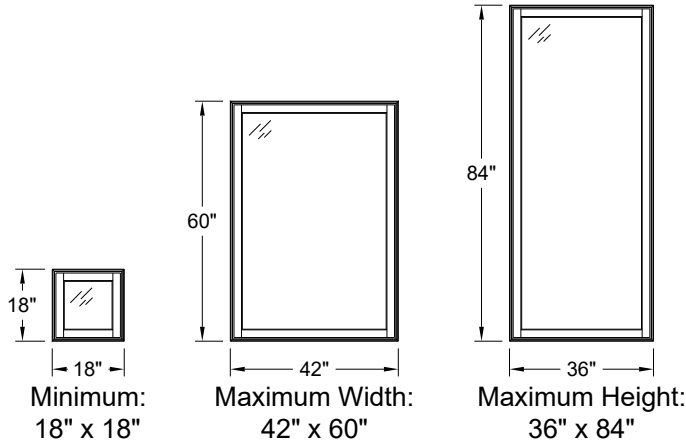
Note: "Overall" dimensions include frame and trim.

Unit elevations are shown without exterior trim.

Standard sizes are shown. Other sizes may be available as custom orders. Contact JELD-WEN Customer Service for more information.

MIN-MAX STANDARD SIZING

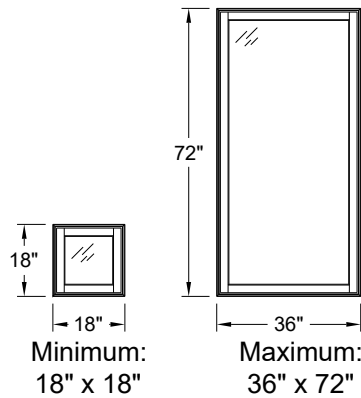
Operator - Standard Sizing



Standard Widths			
18"	20"	24"	28"
30"	32"	36"	42"
Standard Heights			
18"	20"	24"	28"
30"	36"	42"	48"
54"	60"	64"	66"
72"	78"	84"	

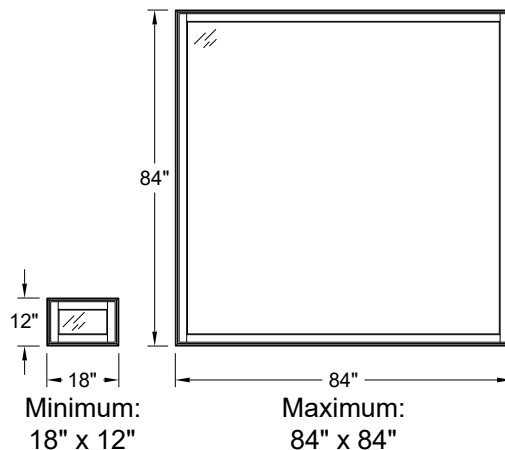
Operator window sizes 32" x 84", 36" x 78", 36" x 84", and all 42" Wide units use a Sash Limiter to restrict operation to a 20° opening. The Sash Limiter cannot be bypassed to provide egress nor is it a Window Opening Control Device (WOCD).

Pushout - Standard Sizing



Standard Widths			
18"	20"	24"	28"
30"	32"	36"	
Standard Heights			
18"	20"	24"	24"
30"	36"	42"	48"
54"	60"	64"	66"
72"			

Stationary

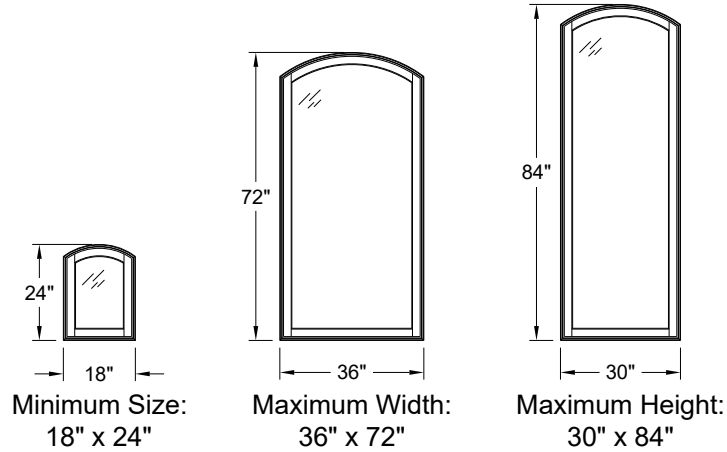


Standard Widths			
18"	20"	24"	28"
30"	32"	36"	42"
48"	54"	60"	66"
72"	84"		
Standard Heights			
12"	18"	20"	24"
28"	30"	36"	42"
48"	54"	60"	64"
66"	72"	78"	84"

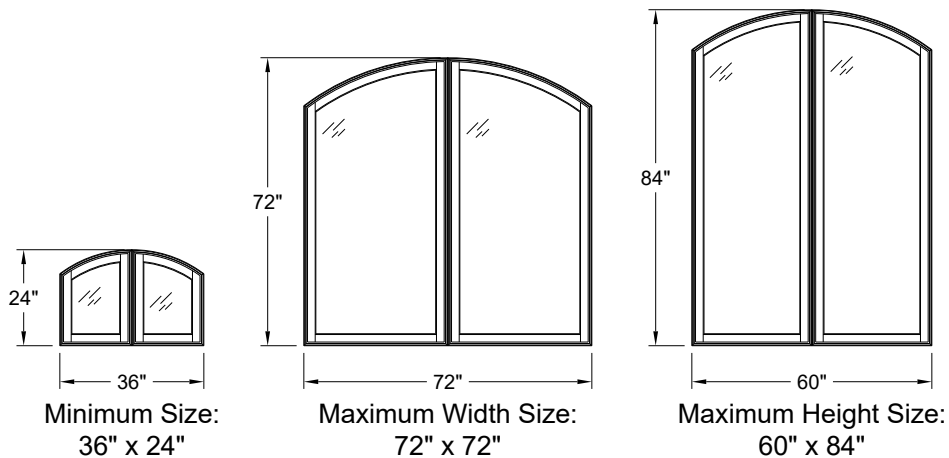
Standard sizes are shown. Other sizes may be available as custom orders. Contact JELD-WEN Customer Service for more information.

MIN-MAX STANDARD SIZING

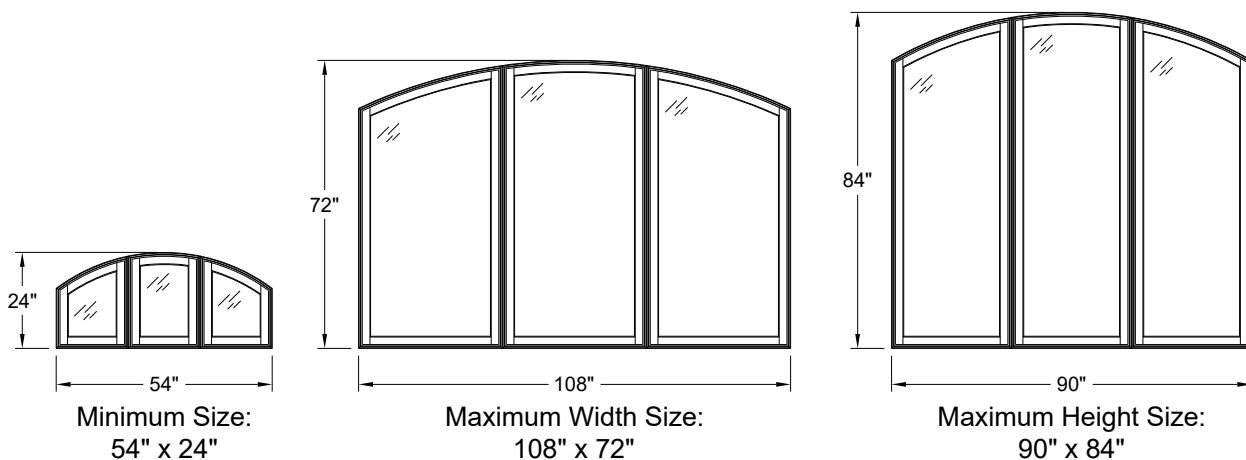
Extended Circle Segment - Operating



Extended Circle Segment - Operating



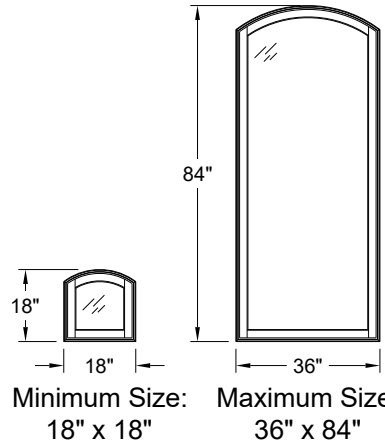
Extended Circle Segment - Operating



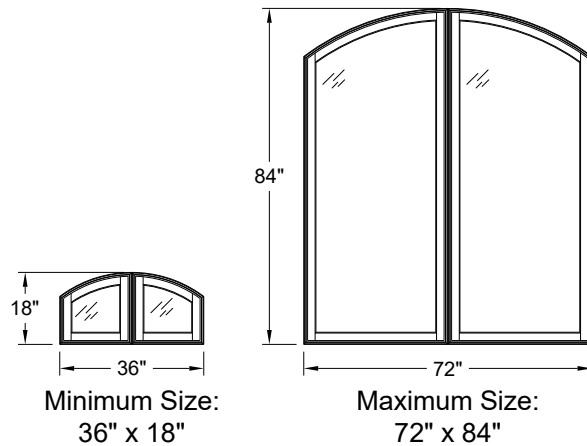
Standard sizes are shown. Smaller or larger units may be available as custom orders. Contact JELD-WEN Customer Service for more information.

MIN-MAX STANDARD SIZING

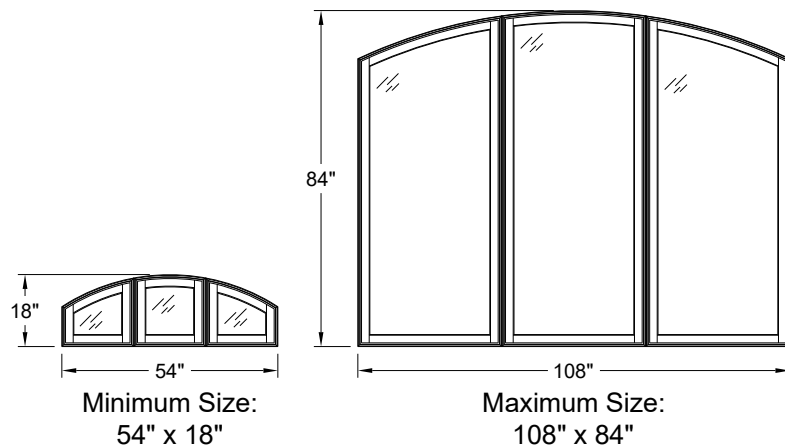
Extended Circle Segment - Stationary



Extended Circle Segment - Stationary



Extended Circle Segment - Stationary



Standard sizes are shown. Smaller or larger sizes may be available as custom orders. Contact JELD-WEN Customer Service for more information.

EGRESS CHARTS

Rectangle Operator Units With Standard Hinge

		Width							
		18"	20"	24"	28"	30"	32"	36"	42"
Height	18"	0.77 ft²	0.96 ft²	1.33 ft²	1.71 ft²	1.90 ft²	2.09 ft²	2.47 ft²	1.04 ft²*
	20"	0.88 ft²	1.10 ft²	1.53 ft²	1.96 ft²	2.18 ft²	2.40 ft²	2.83 ft²	1.19 ft²*
	24"	1.11 ft²	1.38 ft²	1.92 ft²	2.47 ft²	2.74 ft²	3.01 ft²	3.55 ft²	1.49 ft²*
	28"	1.33 ft²	1.66 ft²	2.31 ft²	2.97 ft²	3.30 ft²	3.62 ft²	4.28 ft²	1.8 ft²*
	30"	1.44 ft²	1.80 ft²	2.51 ft²	3.22 ft²	3.58 ft²	3.93 ft²	4.64 ft²	1.95 ft²*
	36"	1.78 ft²	2.22 ft²	3.10 ft²	3.98 ft²	4.41 ft²	4.85 ft²	5.73 ft²	2.41 ft²*
	42"	2.12 ft²	2.64 ft²	3.69 ft²	4.73 ft²	5.25 ft²	5.78 ft²	6.82 ft²	2.87 ft²*
	48"	2.46 ft²	3.06 ft²	4.28 ft²	5.49 ft²	6.09 ft²	6.70 ft²	7.91 ft²	3.33 ft²*
	54"	2.80 ft²	3.49 ft²	4.86 ft²	6.24 ft²	6.93 ft²	7.62 ft²	9.00 ft²	3.78 ft²*
	60"	3.14 ft²	3.91 ft²	5.45 ft²	7.00 ft²	7.77 ft²	8.54 ft²	10.09 ft²	4.24 ft²*

Note: *Does not meet egress. 20 degree sash limiter required.

Rectangle Operator Pushout Unit With Friction Hinge

		Width						
		18"	20"	24"	28"	30"	32"	36"
Height	18"	0.83 ft²	1.03 ft²	1.42 ft²	1.80 ft²	2.00 ft²	2.19 ft²	2.58 ft²
	20"	0.95 ft²	1.18 ft²	1.62 ft²	2.06 ft²	2.28 ft²	2.50 ft²	2.95 ft²
	24"	1.19 ft²	1.47 ft²	2.03 ft²	2.58 ft²	2.86 ft²	3.13 ft²	3.69 ft²
	28"	1.43 ft²	1.77 ft²	2.43 ft²	3.10 ft²	3.43 ft²	3.76 ft²	4.43 ft²
	30"	1.55 ft²	1.91 ft²	2.63 ft²	3.36 ft²	3.72 ft²	4.08 ft²	4.80 ft²
	36"	1.91 ft²	2.36 ft²	3.24 ft²	4.13 ft²	4.57 ft²	5.02 ft²	5.91 ft²
	42"	2.27 ft²	2.80 ft²	3.85 ft²	4.91 ft²	5.43 ft²	5.96 ft²	7.01 ft²
	48"	2.63 ft²	3.24 ft²	4.46 ft²	5.68 ft²	6.29 ft²	6.90 ft²	8.12 ft²
	54"	2.99 ft²	3.68 ft²	5.07 ft²	6.46 ft²	7.15 ft²	7.85 ft²	9.23 ft²
	60"	3.35 ft²	4.13 ft²	5.68 ft²	7.24 ft²	8.01 ft²	8.79 ft²	10.34 ft²
	64"	3.59 ft²	4.42 ft²	6.09 ft²	7.75 ft²	8.59 ft²	9.42 ft²	11.08 ft²
	66"	3.71 ft²	4.57 ft²	6.29 ft²	8.01 ft²	8.87 ft²	9.73 ft²	11.45 ft²
	72"	4.07 ft²	5.01 ft²	6.90 ft²	8.79 ft²	9.73 ft²	10.67 ft²	12.56 ft²

Note: *Does not meet egress. 20 degree sash limiter is required.

Operator Units With Egress Hinge

		Width							
		18"	20"	24"	28"	30"	32"	36"	42"
Height	18"	-	-	-	-	-	-	-	-
	20"	-	-	-	-	-	-	-	-
	24"	-	-	-	-	-	-	-	-
	28"	-	-	-	-	-	-	-	-
	30"	-	-	-	-	-	-	-	-
	36"	-	-	-	-	-	5.82 ft²	-	-
	42"	-	-	-	5.88 ft²	6.40 ft²	-	-	-
	48"	-	-	-	6.81 ft²	-	-	-	-
	54"	-	-	-	7.75 ft²	-	-	-	-
	60"	-	-	-	8.69 ft²	-	-	-	-
	64"	-	-	-	9.32 ft²	-	-	-	-
	66"	-	-	-	9.63 ft²	-	-	-	-
	72"	-	-	-	10.57 ft²	-	-	-	-
	78"	-	-	-	11.50 ft²	-	-	-	-
	84"	-	-	-	12.44 ft²	-	-	-	-

Operator Units With Butt Hinge & Single Arm Operator

		Width							
		18"	20"	24"	28"	30"	32"	36"	42"
Height	18"	-	-	-	2.23 ft²	2.41 ft²	2.60 ft²	2.98 ft²	-
	20"	-	-	-	2.55 ft²	2.77 ft²	2.99 ft²	3.42 ft²	-
	24"	-	-	-	3.21 ft²	3.48 ft²	3.75 ft²	4.30 ft²	-
	28"	-	-	-	3.86 ft²	4.19 ft²	4.52 ft²	5.17 ft²	-
	30"	-	-	-	4.19 ft²	4.55 ft²	4.90 ft²	5.61 ft²	-
	36"	-	-	-	5.17 ft²	5.61 ft²	6.05 ft²	6.93 ft²	-
	42"	-	-	-	6.16 ft²	6.68 ft²	7.20 ft²	8.25 ft²	-
	48"	-	-	-	7.14 ft²	7.74 ft²	8.35 ft²	9.56 ft²	-
	54"	-	-	-	8.12 ft²	8.81 ft²	9.50 ft²	10.88 ft²	-
	60"	-	-	-	9.10 ft²	9.88 ft²	10.65 ft²	12.19 ft²	-
	64"	-	-	-	9.76 ft²	10.59 ft²	11.42 ft²	13.07 ft²	-
	66"	-	-	-	10.09 ft²	10.94 ft²	11.80 ft²	13.51 ft²	-
	72"	-	-	-	11.07 ft²	12.01 ft²	12.95 ft²	14.83 ft²	-

- ## Unit meets egress specifications of equal to or greater than 20" width, 24" height, and 5.7 ft².
- ## Unit meets egress specifications of equal to or greater than 20" width, 24" height, and 5.0 ft².
- ## Indicates the clear opening square footage.

Local codes may differ; always refer to the codes in your area for complete requirements.

EGRESS CHARTS

Extended Circle Segment 1-Panel

		Width						
		18"	20"	24"	28"	30"	32"	36"
Height	24"	1.04 ft ²	1.29 ft ²	1.71 ft ²	2.06 ft ²	2.29 ft ²	2.52 ft ²	2.79 ft ²
	30"	1.38 ft ²	1.72 ft ²	2.30 ft ²	2.82 ft ²	3.13 ft ²	3.44 ft ²	3.88 ft ²
	36"	1.72 ft ²	2.14 ft ²	2.88 ft ²	3.57 ft ²	3.97 ft ²	4.36 ft ²	4.97 ft ²
	42"	2.05 ft ²	2.56 ft ²	3.47 ft ²	4.33 ft ²	4.81 ft ²	5.28 ft ²	6.06 ft ²
	48"	2.39 ft ²	2.98 ft ²	4.06 ft ²	5.08 ft ²	5.65 ft ²	6.21 ft ²	7.15 ft ²
	54"	2.73 ft ²	3.40 ft ²	4.65 ft ²	5.84 ft ²	6.48 ft ²	7.13 ft ²	8.24 ft ²
	60"	3.07 ft ²	3.82 ft ²	5.24 ft ²	6.60 ft ²	7.32 ft ²	8.05 ft ²	9.32 ft ²
	64"	3.29 ft ²	4.11 ft ²	5.63 ft ²	7.10 ft ²	7.88 ft ²	8.67 ft ²	10.05 ft ²
	66"	3.41 ft ²	4.25 ft ²	5.83 ft ²	7.35 ft ²	8.16 ft ²	8.97 ft ²	10.41 ft ²
	72"	3.75 ft ²	4.67 ft ²	6.41 ft ²	8.11 ft ²	9.00 ft ²	9.89 ft ²	11.50 ft ²
	78"	4.08 ft ²	5.09 ft ²	7.00 ft ²	8.86 ft ²	9.84 ft ²	10.82 ft ²	-
	84"	4.42 ft ²	5.51 ft ²	7.59 ft ²	9.62 ft ²	10.68 ft ²	-	-

Note: Units only available with a standard hinge

Extended Circle Segment 2-Panel

		Width						
		36"	40"	48"	56"	60"	64"	72"
Height	24"	0.87 ft ²	1.01 ft ²	1.31 ft ²	1.52 ft ²	1.59 ft ²	1.75 ft ²	1.70 ft ²
	30"	1.21 ft ²	1.43 ft ²	1.90 ft ²	2.28 ft ²	2.43 ft ²	2.67 ft ²	2.79 ft ²
	36"	1.55 ft ²	1.86 ft ²	2.49 ft ²	3.03 ft ²	3.27 ft ²	3.59 ft ²	3.88 ft ²
	42"	1.88 ft ²	2.28 ft ²	3.08 ft ²	3.79 ft ²	4.11 ft ²	4.52 ft ²	4.97 ft ²
	48"	2.22 ft ²	2.70 ft ²	3.67 ft ²	4.54 ft ²	4.95 ft ²	5.44 ft ²	6.06 ft ²
	54"	2.56 ft ²	3.12 ft ²	4.26 ft ²	5.30 ft ²	5.79 ft ²	6.36 ft ²	7.15 ft ²
	60"	2.90 ft ²	3.54 ft ²	4.85 ft ²	6.05 ft ²	6.62 ft ²	7.28 ft ²	8.24 ft ²
	64"	3.24 ft ²	3.97 ft ²	5.43 ft ²	6.81 ft ²	7.46 ft ²	8.20 ft ²	9.32 ft ²
	66"	3.24 ft ²	3.97 ft ²	5.43 ft ²	6.81 ft ²	7.46 ft ²	8.20 ft ²	9.32 ft ²
	72"	3.58 ft ²	4.39 ft ²	6.02 ft ²	7.56 ft ²	8.30 ft ²	9.13 ft ²	10.41 ft ²
	78"	3.92 ft ²	4.81 ft ²	6.61 ft ²	8.32 ft ²	9.14 ft ²	10.05 ft ²	-
	84"	4.25 ft ²	5.23 ft ²	7.20 ft ²	9.07 ft ²	9.98 ft ²	-	-

Note: Units only available with a standard hinge

Extended Circle Segment 3-Panel

		Width						
		54"	60"	72"	84"	90"	96"	108"
Height	24"	0.70 ft ²	0.80 ft ²	0.92 ft ²	1.18 ft ²	1.31 ft ²	1.44 ft ²	1.70 ft ²
	30"	1.04 ft ²	1.22 ft ²	1.51 ft ²	1.94 ft ²	2.15 ft ²	2.37 ft ²	2.79 ft ²
	36"	1.38 ft ²	1.65 ft ²	2.10 ft ²	2.69 ft ²	2.99 ft ²	3.29 ft ²	3.88 ft ²
	42"	1.72 ft ²	2.07 ft ²	2.69 ft ²	3.45 ft ²	3.83 ft ²	4.21 ft ²	4.97 ft ²
	48"	2.05 ft ²	2.49 ft ²	3.28 ft ²	4.20 ft ²	4.67 ft ²	5.13 ft ²	6.06 ft ²
	54"	2.39 ft ²	2.91 ft ²	3.86 ft ²	4.96 ft ²	5.51 ft ²	6.05 ft ²	7.15 ft ²
	60"	2.73 ft ²	3.33 ft ²	4.45 ft ²	5.71 ft ²	6.34 ft ²	6.98 ft ²	8.24 ft ²
	64"	3.07 ft ²	3.75 ft ²	5.04 ft ²	6.47 ft ²	7.18 ft ²	7.90 ft ²	9.32 ft ²
	66"	3.07 ft ²	3.75 ft ²	5.04 ft ²	6.47 ft ²	7.18 ft ²	7.90 ft ²	9.32 ft ²
	72"	3.41 ft ²	4.18 ft ²	5.63 ft ²	7.22 ft ²	8.02 ft ²	8.82 ft ²	10.41 ft ²
	78"	3.75 ft ²	4.60 ft ²	6.22 ft ²	7.98 ft ²	8.86 ft ²	9.74 ft ²	-
	84"	4.08 ft ²	5.02 ft ²	6.81 ft ²	8.73 ft ²	9.70 ft ²	-	-

Note: Units only available with a standard hinge

- ## Unit meets egress specifications of equal to or greater than 20" width, 24" height, and 5.7 ft².
- ## Unit meets egress specifications of equal to or greater than 20" width, 24" height, and 5.0 ft².
- ## Indicates the clear opening square footage.

Local codes may differ; always refer to the codes in your area for complete requirements.

RECTANGLE UNITS - OPERATING & STATIONARY

	18 3/4"	20 3/4"	24 3/4"	28 3/4"	30 3/4"	32 3/4"	36 3/4"	Rough Opening
	18"	20"	24"	28"	30"	32"	36"	Frame Width
	12 1/8"	14 1/8"	18 1/8"	22 1/8"	24 1/8"	26 1/8"	30 1/8"	Daylight Opening
12 3/4"								
	SCC1812	SCC2012	SCC2412	SCC2812	SCC3012	SCC3212	SCC3612	
12"								
	SCC1818	SCC2018	SCC2418	SCC2818	SCC3018	SCC3218	SCC3618	
18 3/4"								
	SCC1820	SCC2020	SCC2420	SCC2820	SCC3020	SCC3220	SCC3620	
18"								
	SCC1824	SCC2024	SCC2424	SCC2824	SCC3024	SCC3224	SCC3624	
20 3/4"								
	SCC1828	SCC2028	SCC2428	SCC2828	SCC3028	SCC3228	SCC3628	
20"								
	SCC1830	SCC2030	SCC2430	SCC2830	SCC3030	SCC3230	SCC3630	
24 3/4"								
	SCC1836	SCC2036	SCC2436	SCC2836	SCC3036	SCC3236	SCC3636	
24"								
	SCC1842	SCC2042	SCC2442	SCC2842	SCC3042	SCC3242	SCC3642	
28 3/4"								
28"								
30 3/4"								
30"								
32 3/4"								
32"								
36 3/4"								
36"								
42 3/4"								
42"								
36 1/8"								

Elevation Legend:

= Maximum Performance Grade (PG) rating with standard glazing - applies to standard operating units only, unless not offered.

P## = Push Out Unit available - if rated, maximum pg rating with standard glazing is shown.

I = Impact rated unit available.

S = Standard unit only available as stationary configuration.

S* = Unit available as stationary or operating configuration.

E = Standard unit meets egress - clear opening exceeds 20" width, 24" height, and 5.7ft².

E* = Standard unit meets egress with use of optional egress hinge.

Rough Opening
Frame Height
Daylight Opening

RECTANGLE UNITS - OPERATING & STATIONARY

	18 3/4"	20 3/4"	24 3/4"	28 3/4"	30 3/4"	32 3/4"	36 3/4"	Rough Opening
	18"	20"	24"	28"	30"	32"	36"	Frame Width
	12 1/8"	14 1/8"	18 1/8"	22 1/8"	24 1/8"	26 1/8"	30 1/8"	Daylight Opening
48 3/4"								
48"	SCC1848	SCC2048	SCC2448	SCC2848	SCC3048	SCC3248	SCC3648	
42 1/8"								
54 3/4"	SCC1854	SCC2054	SCC2454	SCC2854	SCC3054	SCC3254	SCC3654	
48 1/8"								
60 3/4"	SCC1860	SCC2060	SCC2460	SCC2860	SCC3060	SCC3260	SCC3660	
60"								
54 1/8"	SCC1864	SCC2064	SCC2464	SCC2864	SCC3064	SCC3264	SCC3664	
62 3/4"								
64"	SCC1866	SCC2066	SCC2466	SCC2866	SCC3066	SCC3266	SCC3666	
58 1/8"								
66 3/4"	SCC1866	SCC2066	SCC2466	SCC2866	SCC3066	SCC3266	SCC3666	
66"								
60 1/8"	SCC1866	SCC2066	SCC2466	SCC2866	SCC3066	SCC3266	SCC3666	

Elevation Legend:

= Maximum Performance Grade (PG) rating with standard glazing - applies to standard operating units only, unless not offered.

P## = Push Out Unit available - if rated, maximum pg rating with standard glazing is shown.

I = Impact rated unit available.

S = Standard unit only available as stationary configuration.

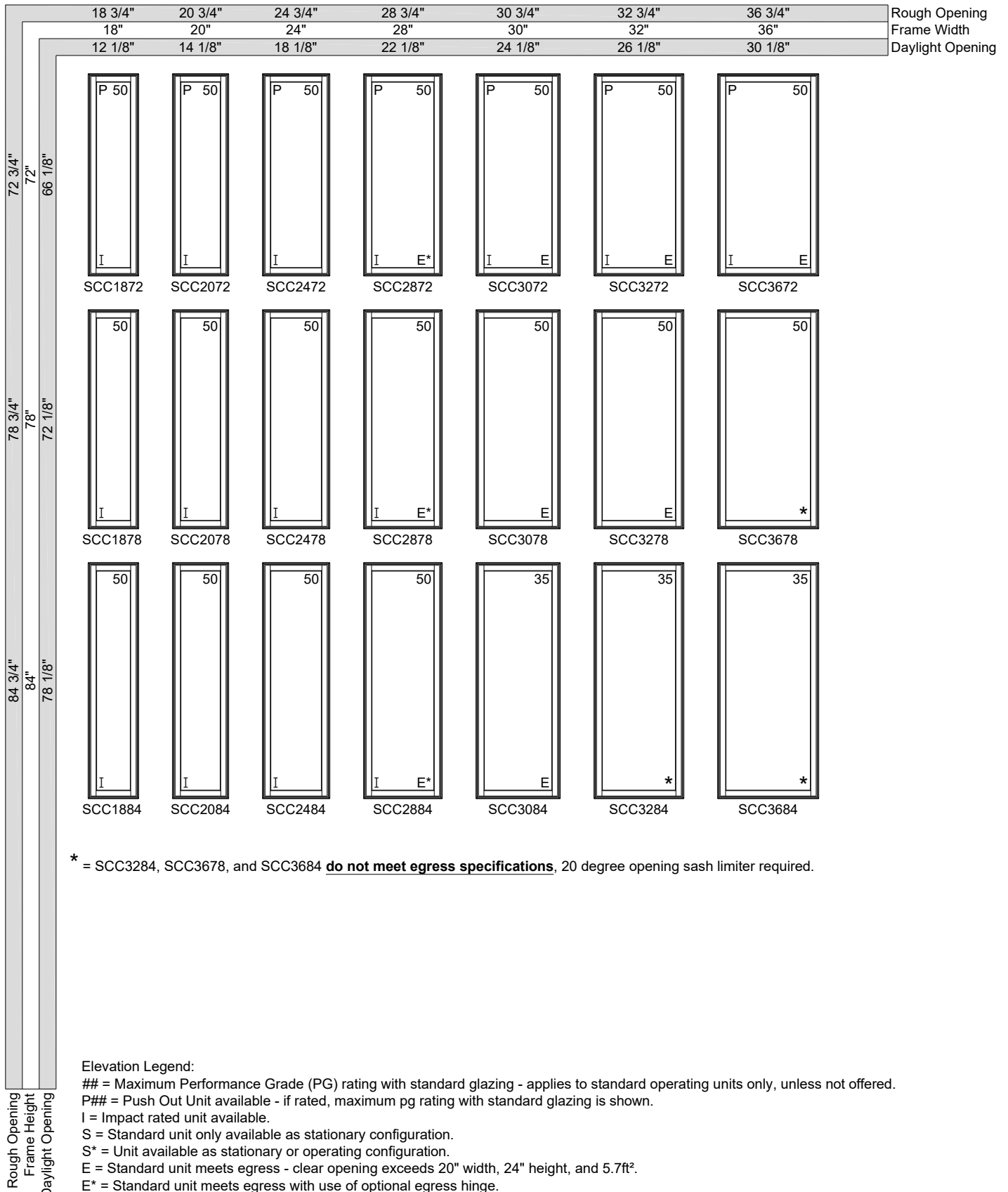
S* = Unit available as stationary or operating configuration.

E = Standard unit meets egress - clear opening exceeds 20" width, 24" height, and 5.7ft².

E* = Standard unit meets egress with use of optional egress hinge.

Rough Opening
Frame Height
Daylight Opening

RECTANGLE UNITS - OPERATING & STATIONARY



RECTANGLE UNITS - OPERATING & STATIONARY

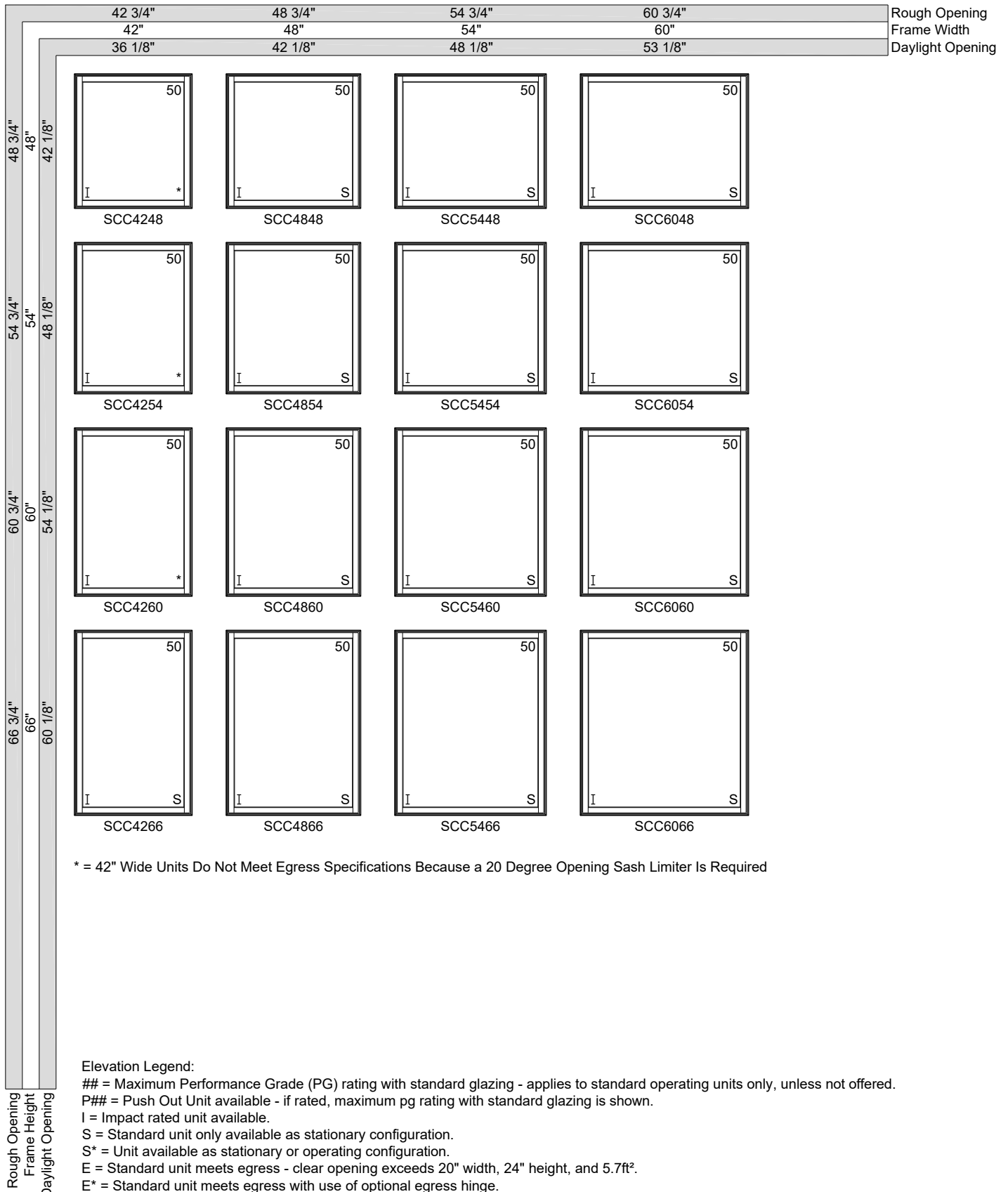
	42 3/4" 42"	48 3/4" 48"	54 3/4" 54"	60 3/4" 60"	Rough Opening
	36 1/8"	42 1/8"	48 1/8"	53 1/8"	Frame Width
					Daylight Opening
12 3/4" 12"					
	SCC4212	SCC4812	SCC5412	SCC6012	
18 3/4" 18"					
	SCC4218	SCC4818	SCC5418	SCC6018	
20 3/4" 20"					
	SCC4220	SCC4820	SCC5420	SCC6020	
24 3/4" 24"					
	SCC4224	SCC4824	SCC5424	SCC6024	
28 3/4" 28"					
	SCC4228	SCC4828	SCC5428	SCC6028	
30 3/4" 30"					
	SCC4230	SCC4830	SCC5430	SCC6030	
36 3/4" 36"					
	SCC4236	SCC4836	SCC5436	SCC6036	
42 3/4" 42"					
	SCC4242	SCC4842	SCC5442	SCC6042	

* 42" wide units **do not meet egress specifications**, 20 degree opening sash limiter required.

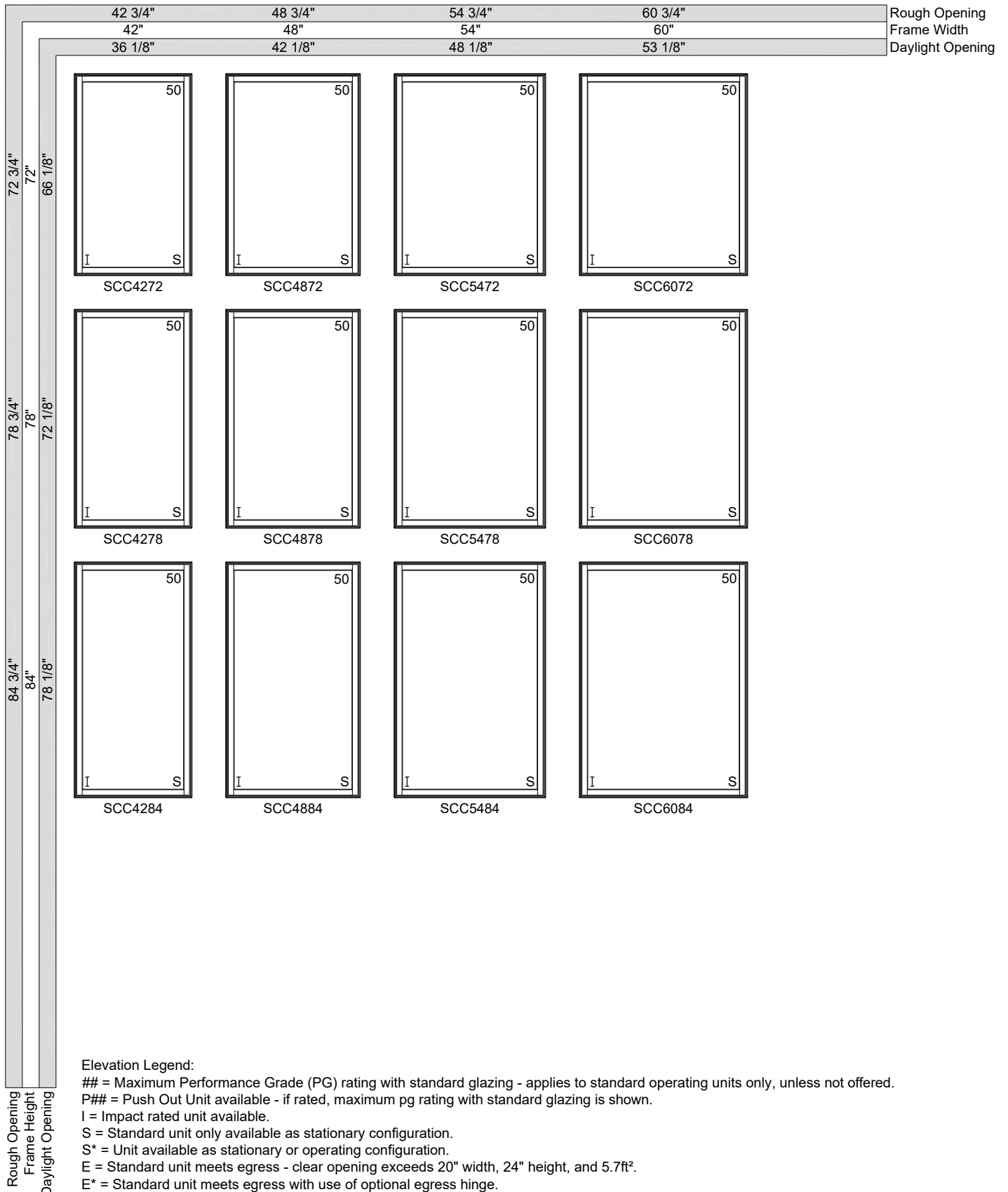
Elevation Legend:

- ## = Maximum Performance Grade (PG) rating with standard glazing - applies to standard operating units only, unless not offered.
- P## = Push Out Unit available - if rated, maximum pg rating with standard glazing is shown.
- I = Impact rated unit available.
- S = Standard unit only available as stationary configuration.
- S* = Unit available as stationary or operating configuration.
- E = Standard unit meets egress - clear opening exceeds 20" width, 24" height, and 5.7ft².
- E* = Standard unit meets egress with use of optional egress hinge.

RECTANGLE UNITS - OPERATING & STATIONARY



RECTANGLE UNITS - STATIONARY



RECTANGLE UNITS - STATIONARY

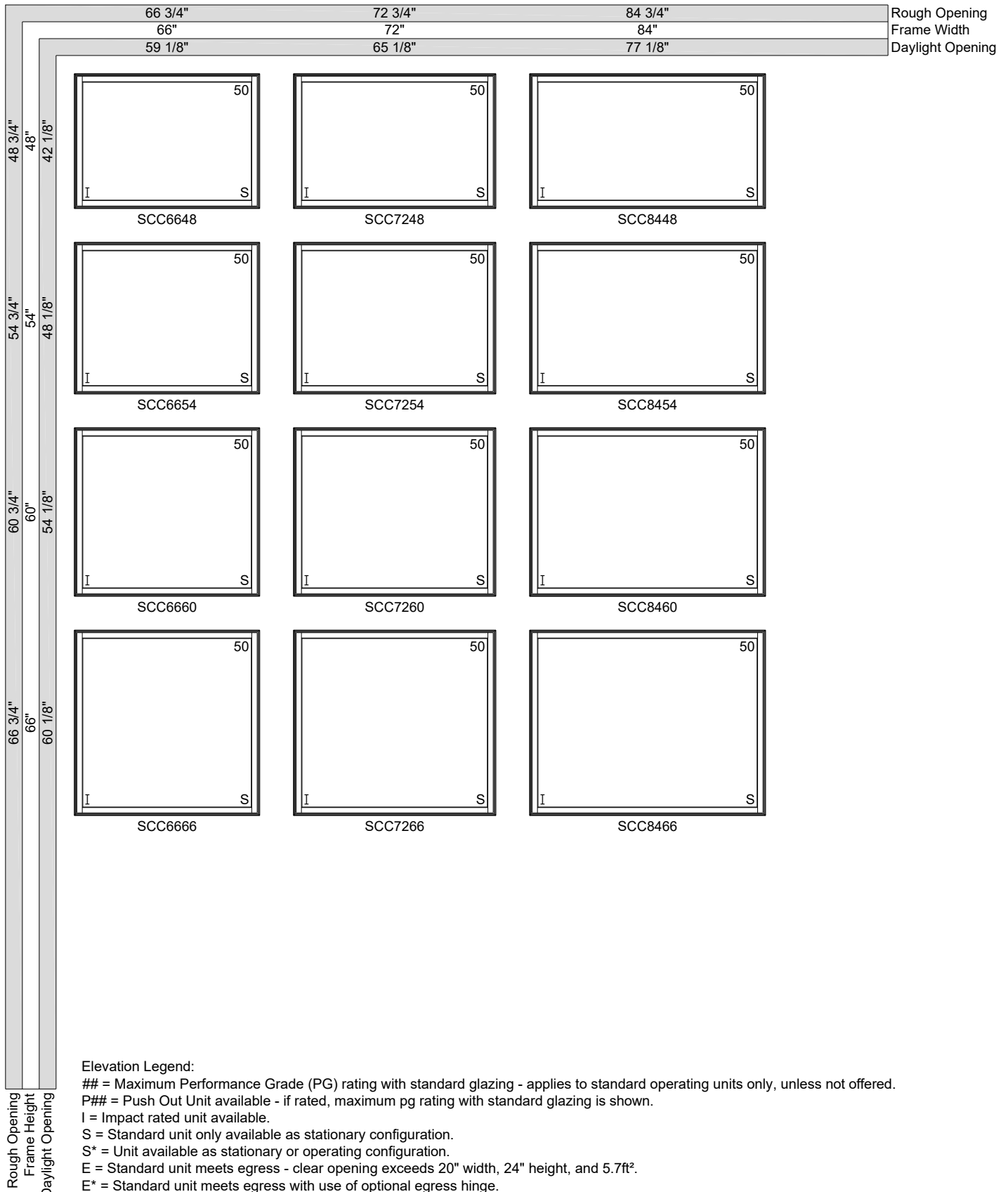
	66 3/4"	72 3/4"	84 3/4"	Rough Opening
	66"	72"	84"	Frame Width
	59 1/8"	65 1/8"	77 1/8"	Daylight Opening
12 3/4"				
18 3/4"				
20 3/4"				
24 3/4"				
28 3/4"				
30 3/4"				
36 3/4"				
42 3/4"				

Elevation Legend:

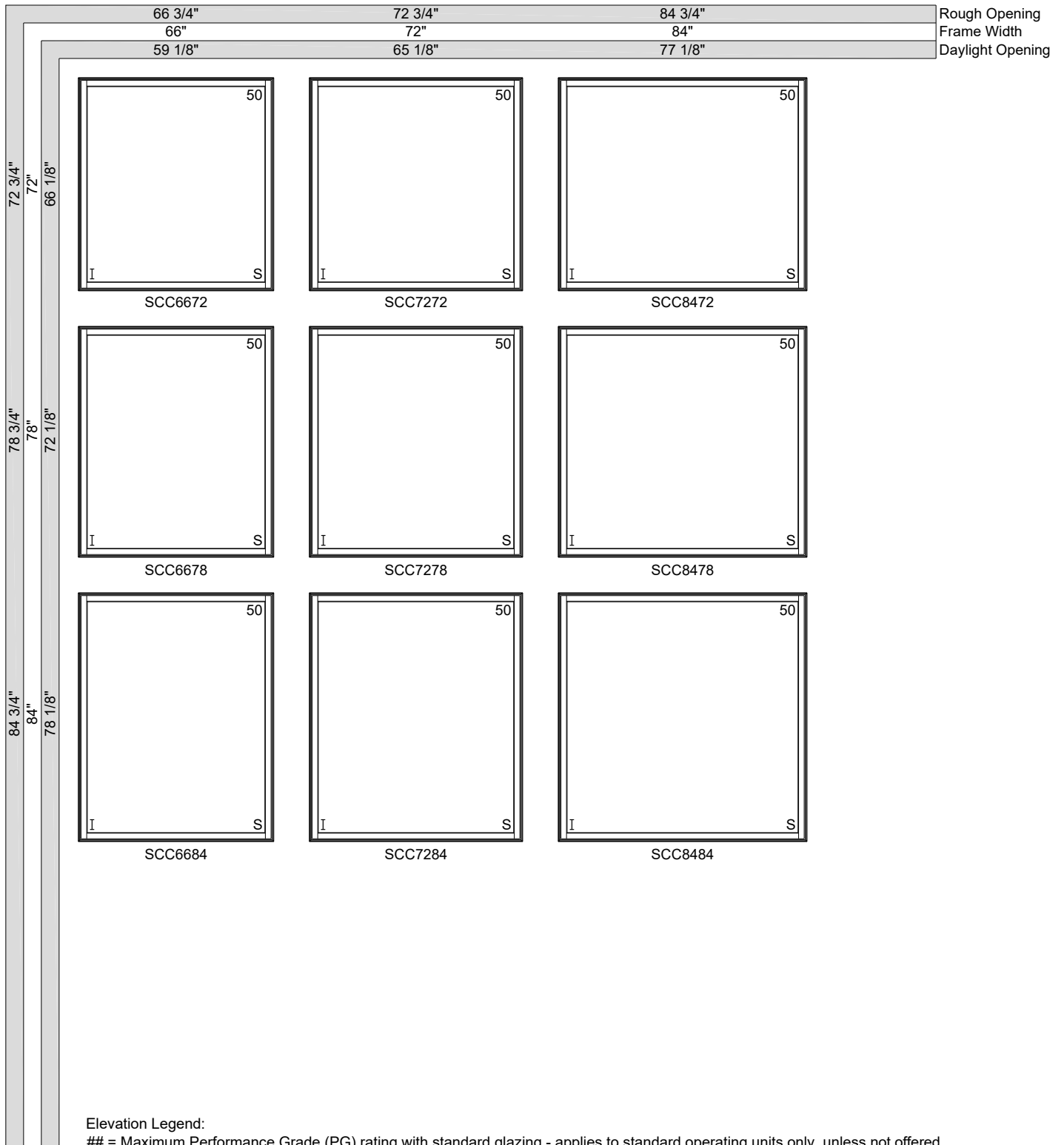
- ## = Maximum Performance Grade (PG) rating with standard glazing - applies to standard operating units only, unless not offered.
- P## = Push Out Unit available - if rated, maximum pg rating with standard glazing is shown.
- I = Impact rated unit available.
- S = Standard unit only available as stationary configuration.
- S* = Unit available as stationary or operating configuration.
- E = Standard unit meets egress - clear opening exceeds 20" width, 24" height, and 5.7ft².
- E* = Standard unit meets egress with use of optional egress hinge.

Rough Opening
 Frame Height
 Daylight Opening

RECTANGLE UNITS - STATIONARY



RECTANGLE UNITS - STATIONARY



Elevation Legend:

= Maximum Performance Grade (PG) rating with standard glazing - applies to standard operating units only, unless not offered.

P## = Push Out Unit available - if rated, maximum pg rating with standard glazing is shown.

I = Impact rated unit available.

S = Standard unit only available as stationary configuration.

S* = Unit available as stationary or operating configuration.

E = Standard unit meets egress - clear opening exceeds 20" width, 24" height, and 5.7ft².

E* = Standard unit meets egress with use of optional egress hinge.

Rough Opening
Frame Height
Daylight Opening

EXTENDED CIRCLE SEGMENT UNITS

	18 3/4"	20 3/4"	24 3/4"	28 3/4"	30 3/4"	32 3/4"	36 3/4"	Rough Opening
	18"	20"	24"	28"	30"	32"	36"	Frame Width
	12 1/8"	14 1/8"	18 1/8"	22 1/8"	24 1/8"	26 1/8"	30 1/8"	Daylight Opening
18 3/4"								
	SCCS1818	SCCS2018	SCCS2418	SCCS2818	SCCS3018	SCCS3218	SCCS3618	
24 3/4"								
	SCCS1824	SCCS2024	SCCS2424	SCCS2824	SCCS3024	SCCS3224	SCCS3624	
30 3/4"								
	SCCS1830	SCCS2030	SCCS2430	SCCS2830	SCCS3030	SCCS3230	SCCS3630	
36 3/4"								
	SCCS1836	SCCS2036	SCCS2436	SCCS2836	SCCS3036	SCCS3236	SCCS3636	
42 3/4"								
	SCCS1842	SCCS2042	SCCS2442	SCCS2842	SCCS3042	SCCS3242	SCCS3642	
48 3/4"								
	SCCS1848	SCCS2048	SCCS2448	SCCS2848	SCCS3048	SCCS3248	SCCS3648	
54 3/4"								
	SCCS1854	SCCS2054	SCCS2454	SCCS2854	SCCS3054	SCCS3254	SCCS3654	

Elevation Legend:

= Maximum Performance Grade (PG) rating with standard glazing - applies to standard operating units only, unless not offered.

P## = Push Out Unit available - if rated, maximum pg rating with standard glazing is shown.

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E* = Standard unit meets egress with use of optional egress hinge.

Rough Opening
Frame Height
Daylight Opening

EXTENDED CIRCLE SEGMENT UNITS

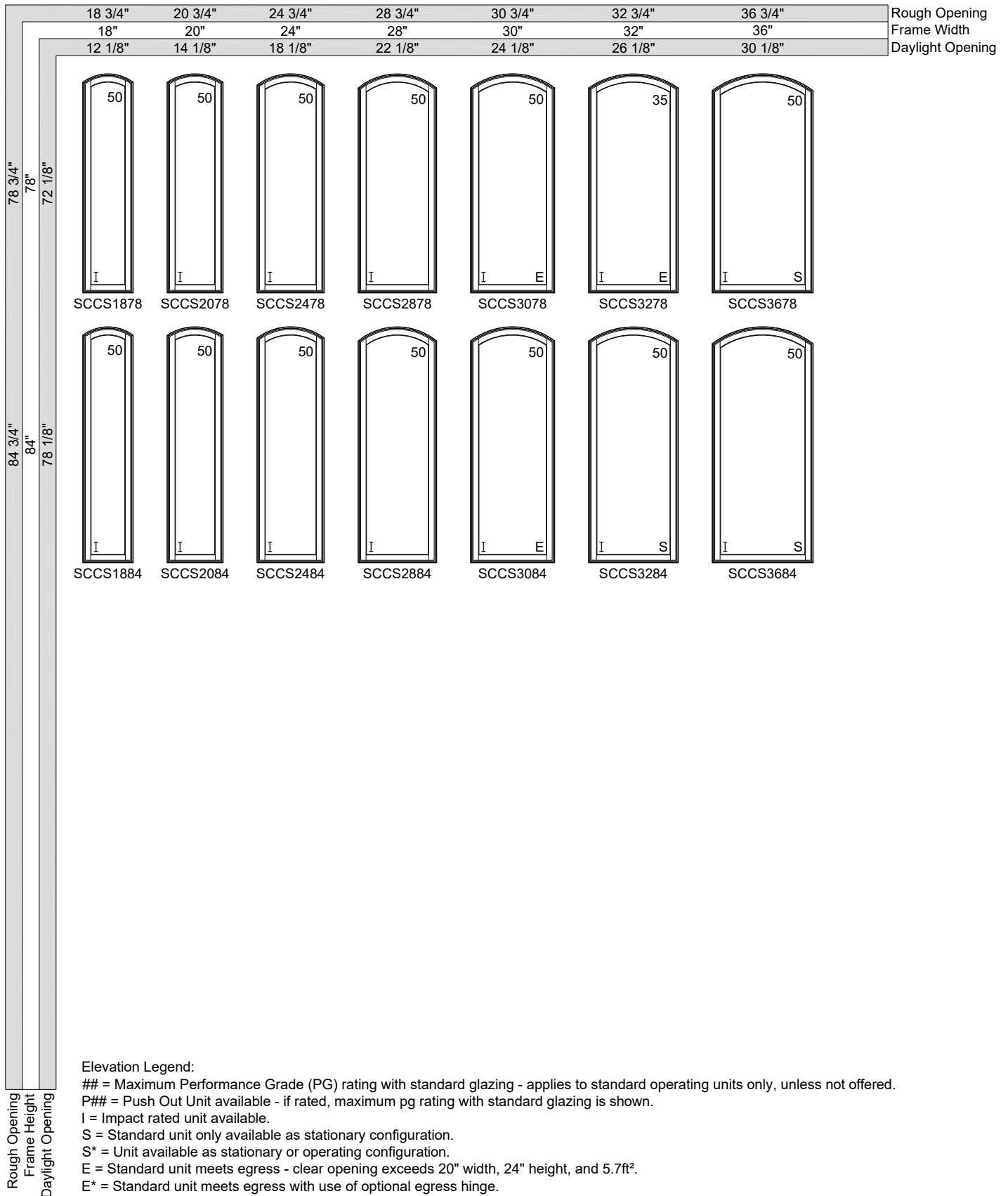
	18 3/4"	20 3/4"	24 3/4"	28 3/4"	30 3/4"	32 3/4"	36 3/4"	Rough Opening
	18"	20"	24"	28"	30"	32"	36"	Frame Width
	12 1/8"	14 1/8"	18 1/8"	22 1/8"	24 1/8"	26 1/8"	30 1/8"	Daylight Opening
60 3/4"								
60"								
54 1/8"								
66 3/4"								
64"								
60 1/8"								
66 3/4"								
66"								
60 1/8"								
72 3/4"								
72"								
66 1/8"								

Elevation Legend:

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Rough Opening
 Frame Height
 Daylight Opening

EXTENDED CIRCLE SEGMENT UNITS



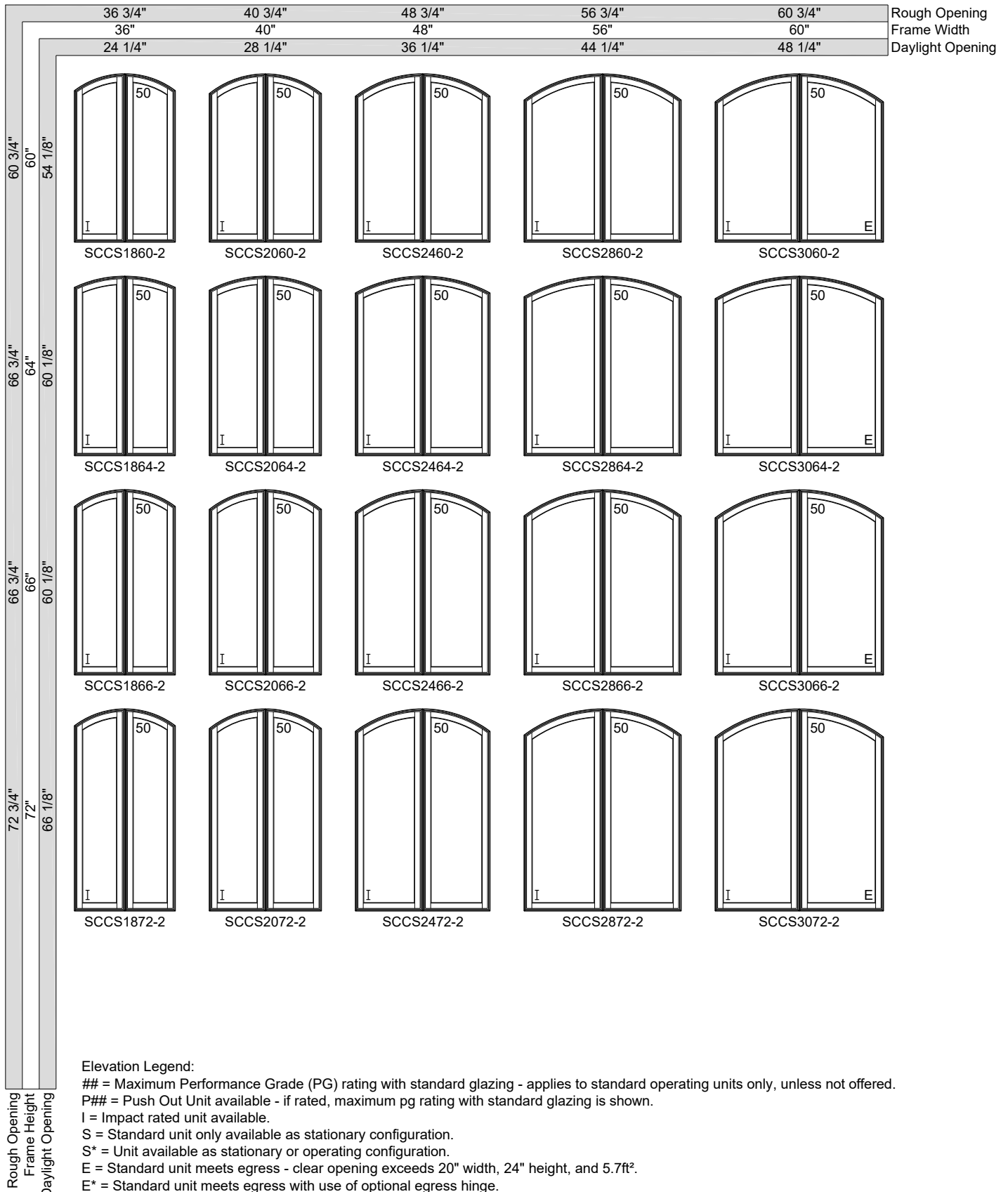
2-PANEL EXTENDED CIRCLE SEGMENT UNITS

	36 3/4" 36" 24 1/4"	40 3/4" 40" 28 1/4"	48 3/4" 48" 36 1/4"	56 3/4" 56" 44 1/4"	60 3/4" 60" 48 1/4"	Rough Opening Frame Width Daylight Opening
18 3/4" 18" 12 1/8"						
24 3/4" 24" 18 1/8"						
30 3/4" 30" 24 1/8"						
36 3/4" 36" 30 1/8"						
42 3/4" 42" 36 1/8"						
48 3/4" 48" 42 1/8"						
54 3/4" 54" 48 1/8"						

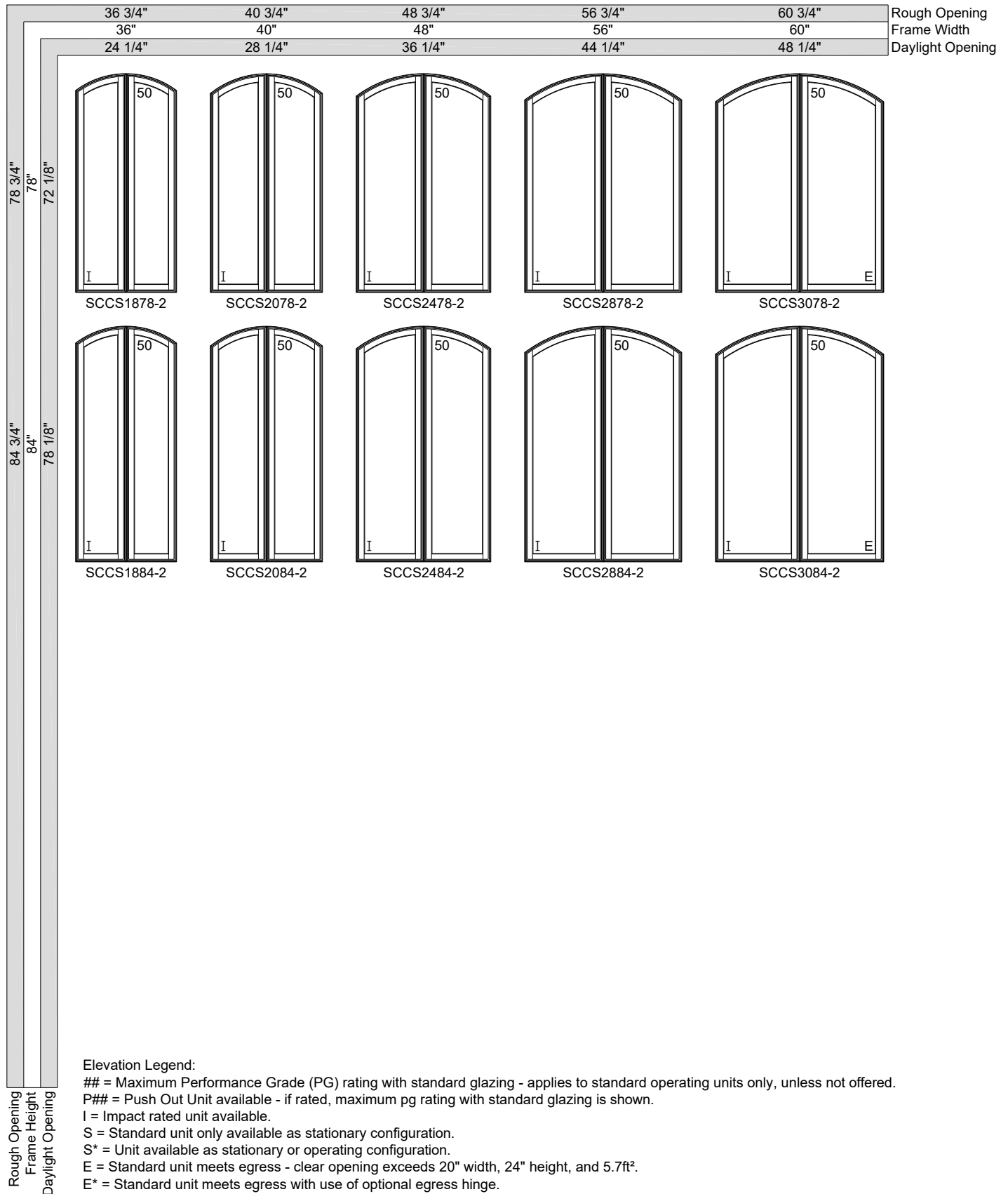
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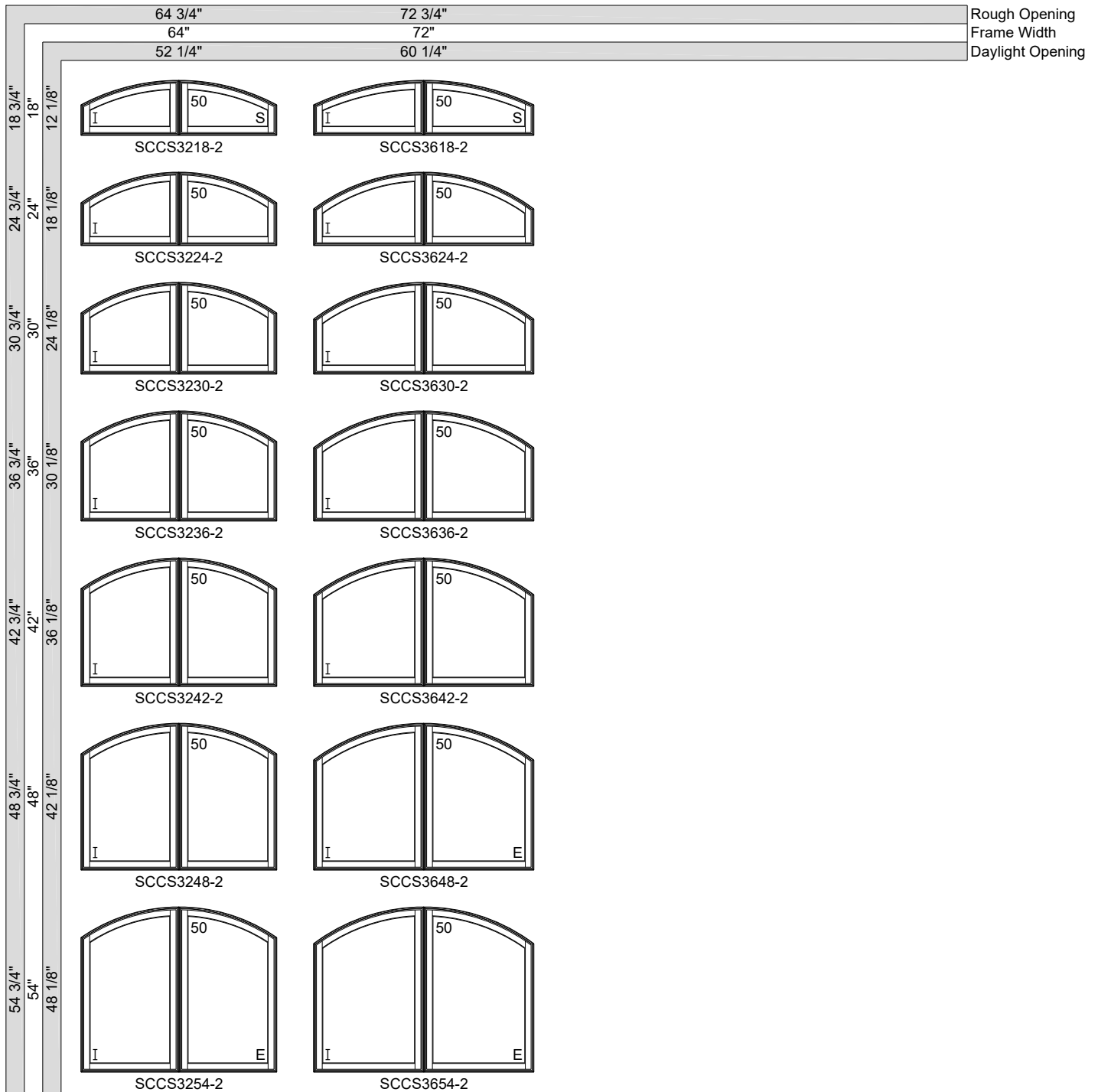
2-PANEL EXTENDED CIRCLE SEGMENT UNITS



2-PANEL EXTENDED CIRCLE SEGMENT UNITS



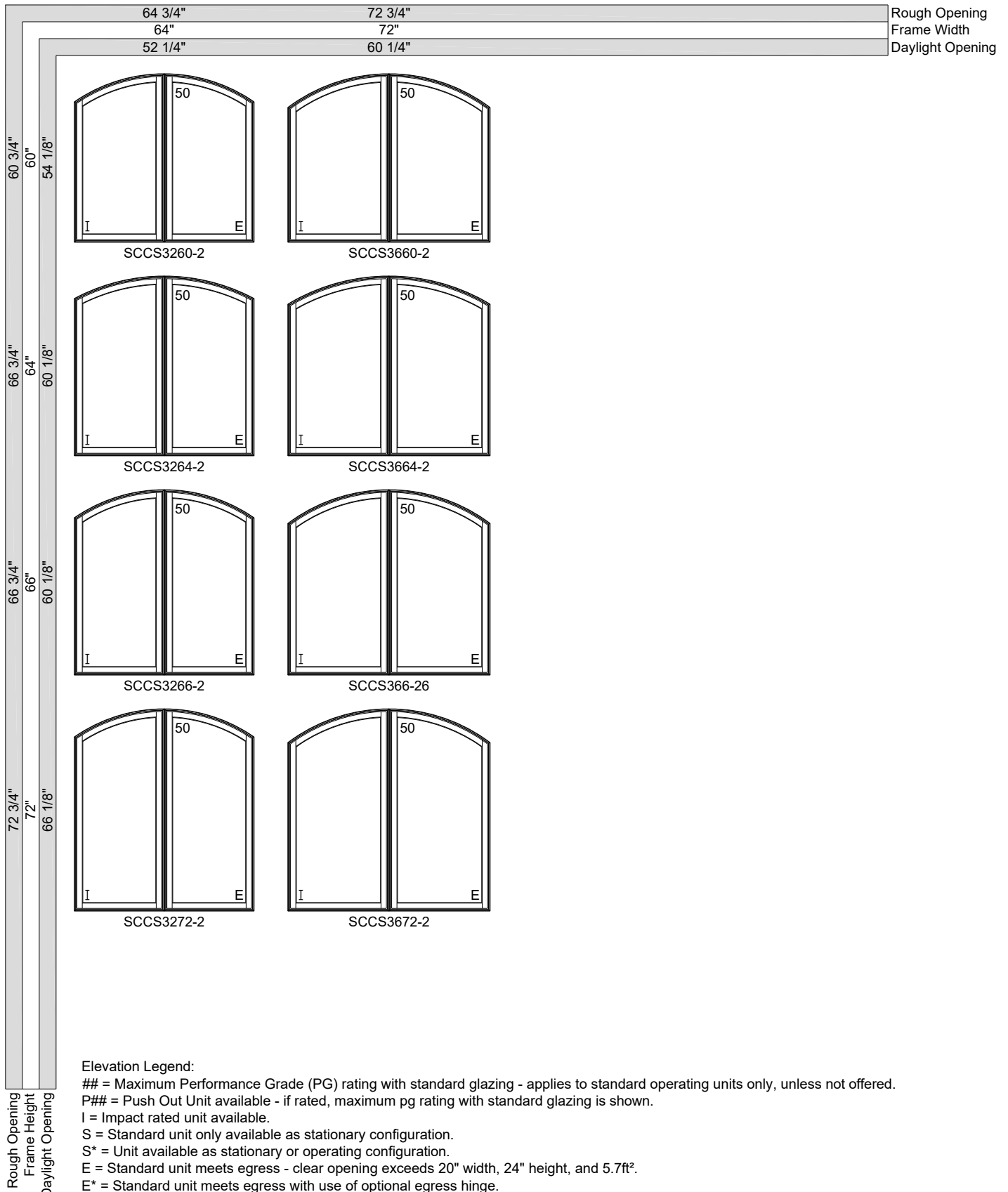
2-PANEL EXTENDED CIRCLE SEGMENT UNITS



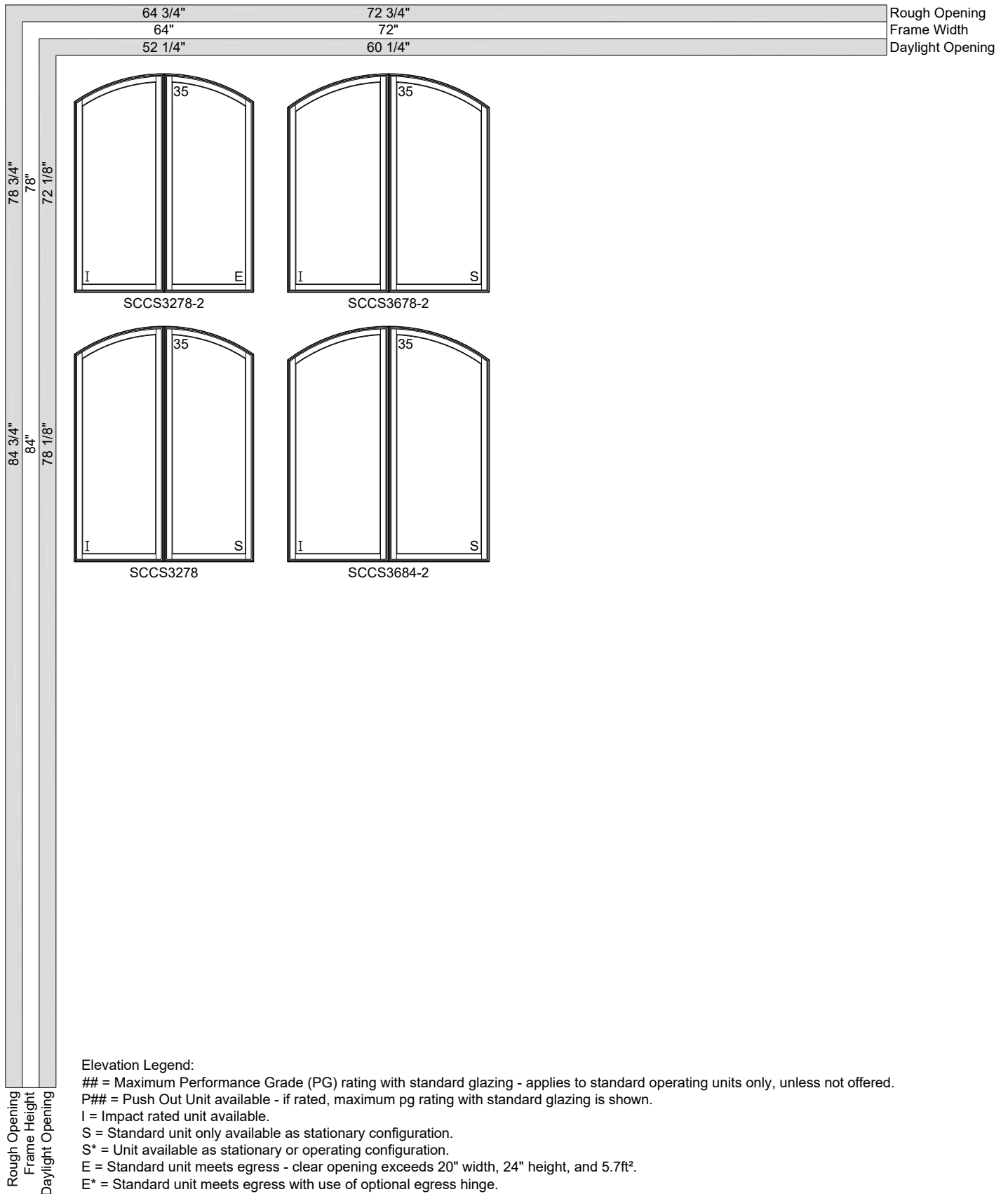
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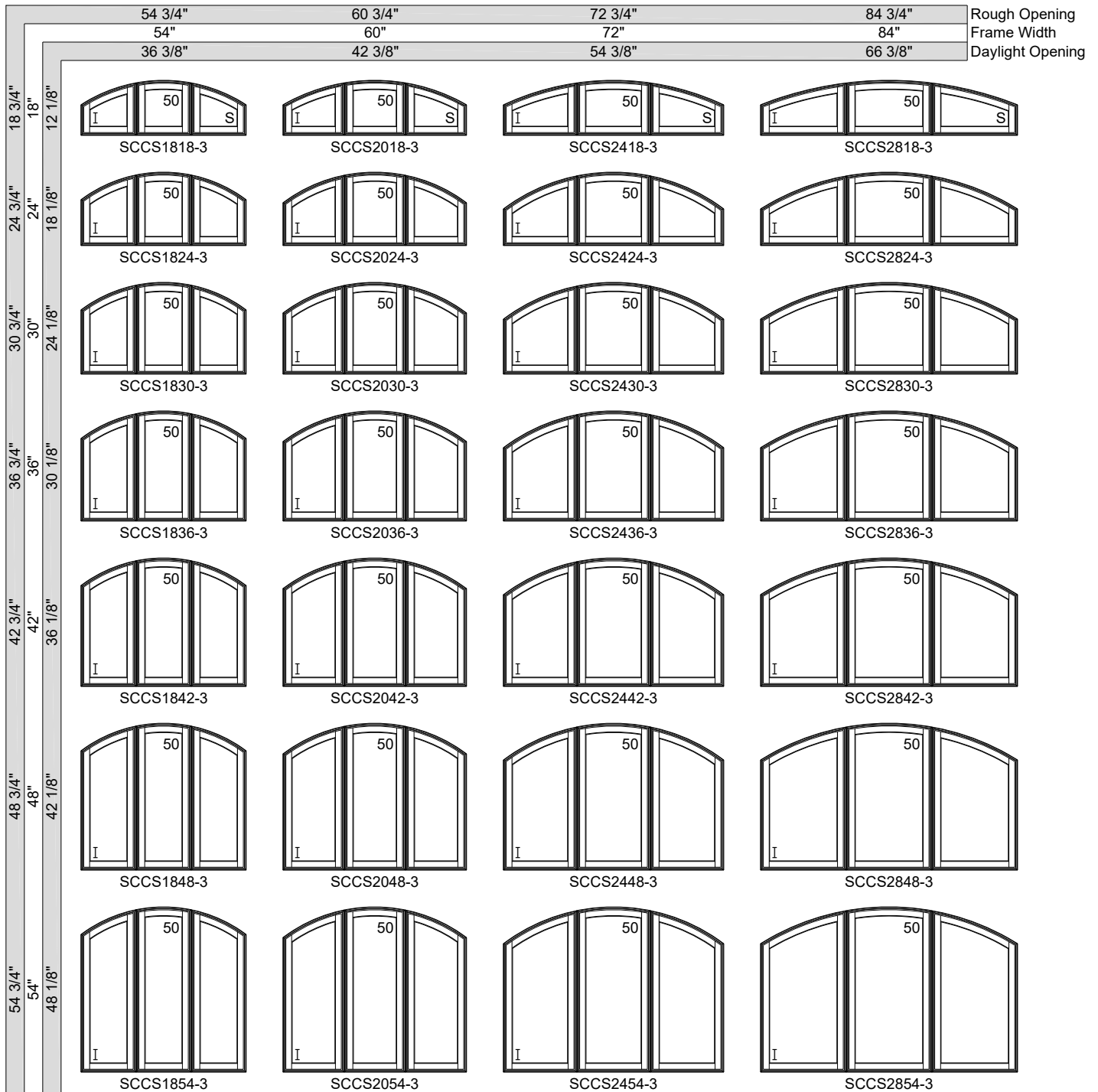
2-PANEL EXTENDED CIRCLE SEGMENT UNITS



2-PANEL EXTENDED CIRCLE SEGMENT UNITS



3-PANEL EXTENDED CIRCLE SEGMENT UNITS

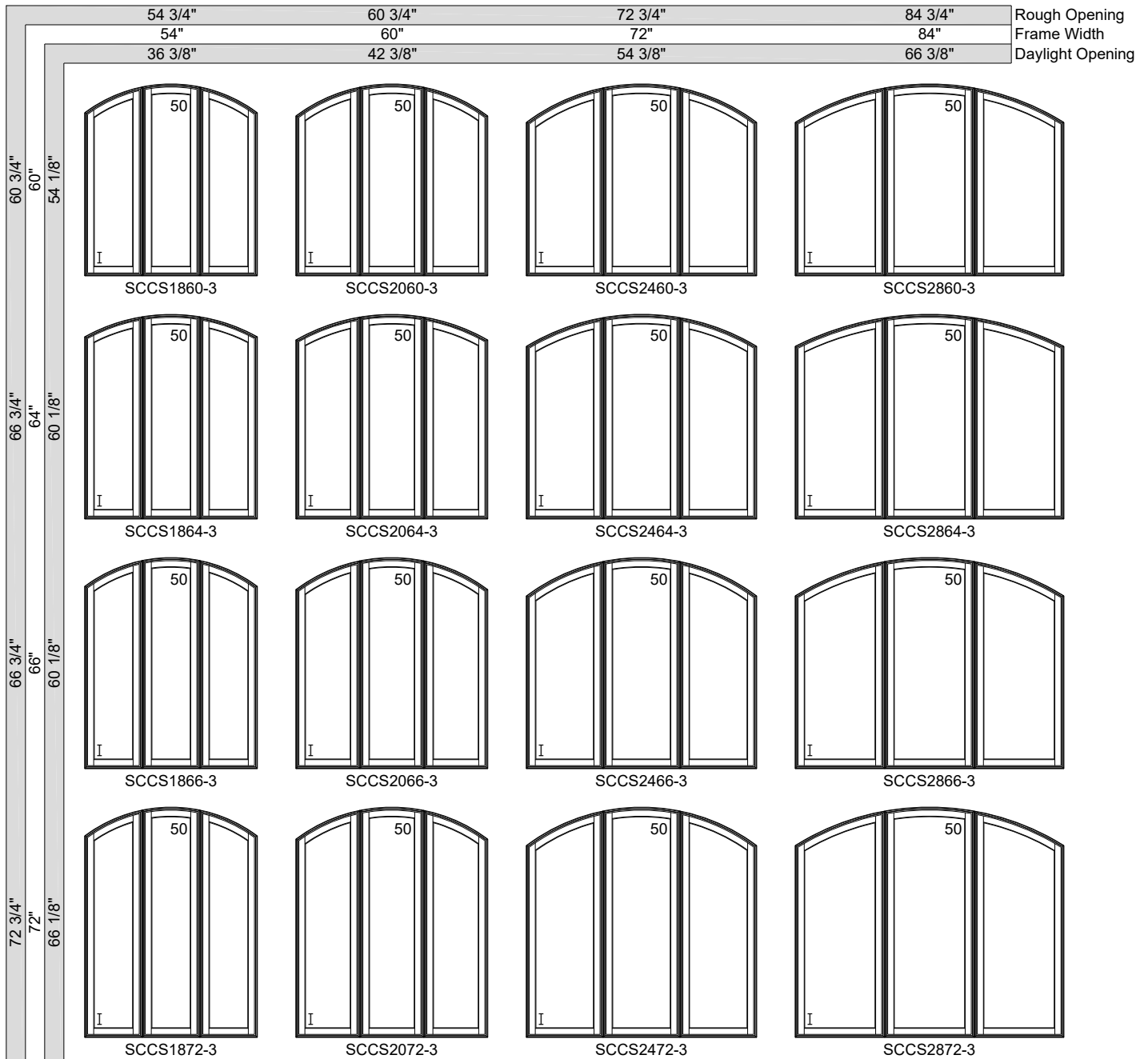


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Rough Opening
Frame Height
Daylight Opening

3-PANEL EXTENDED CIRCLE SEGMENT UNITS



Elevation Legend:

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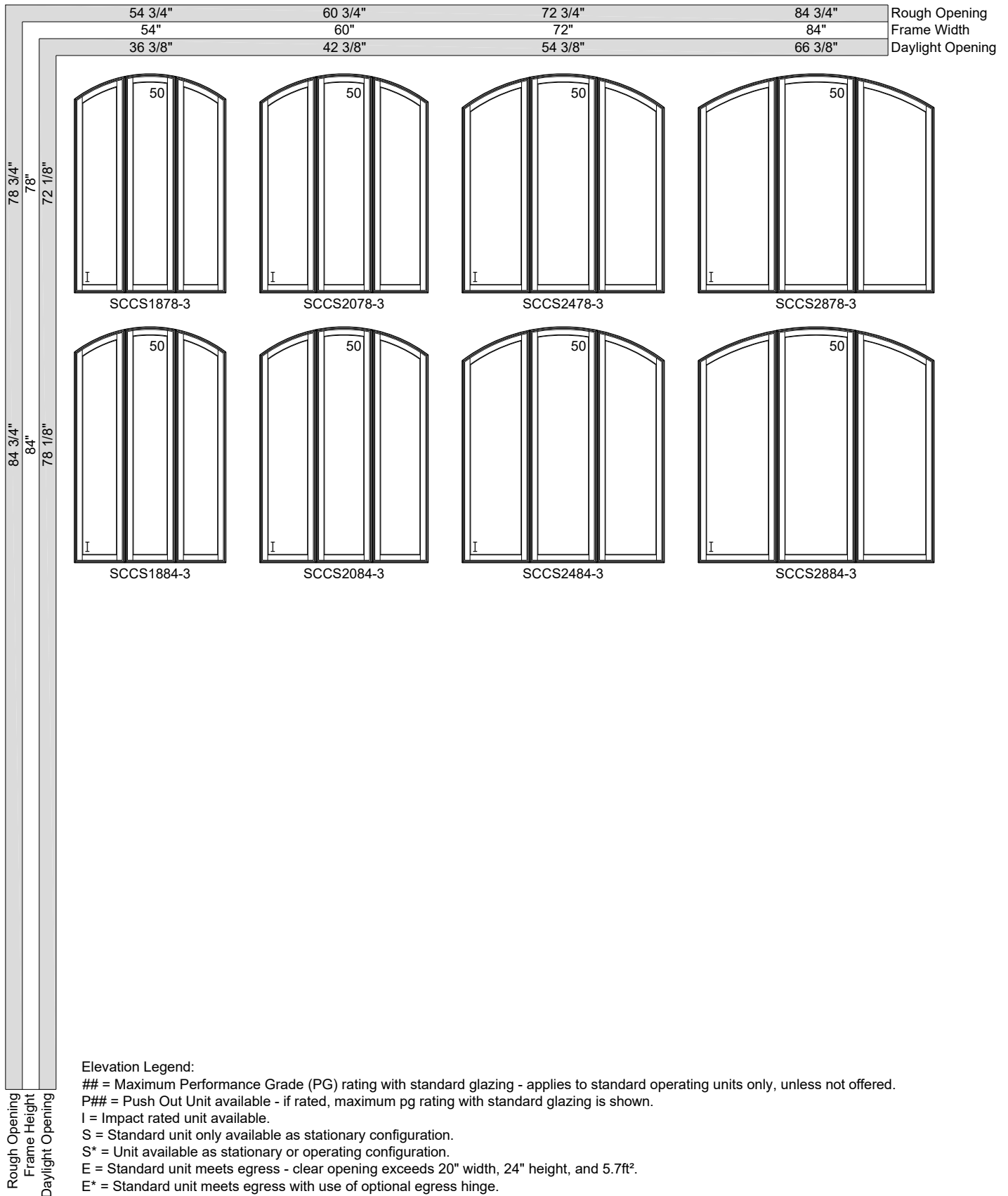
S* = Unit available as stationary or operating configuration.

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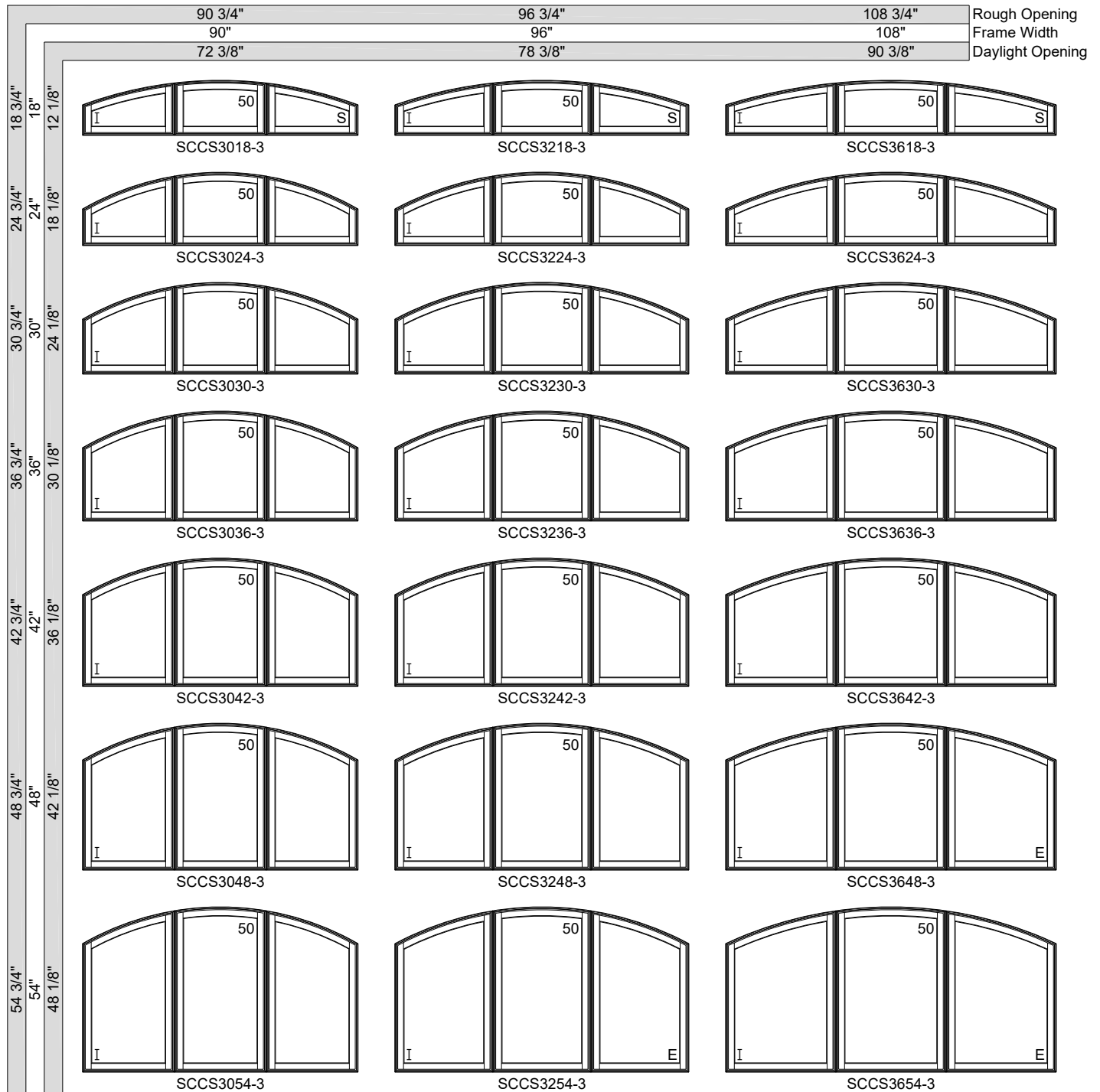
E* = Standard unit meets egress with use of optional egress hinge.

Rough Opening
Frame Height
Daylight Opening

3-PANEL EXTENDED CIRCLE SEGMENT UNITS



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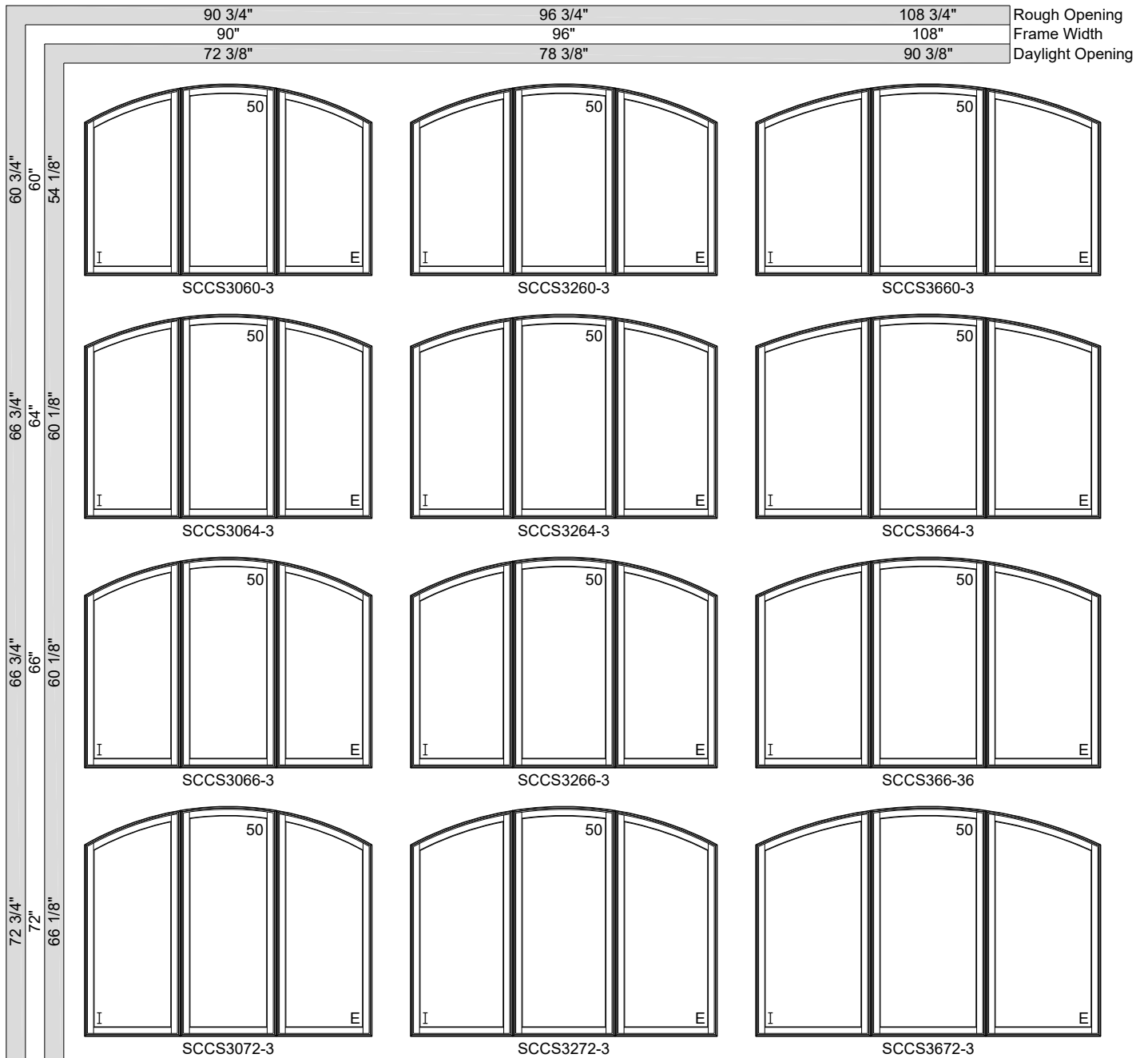
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Rough Opening
Frame Height
Daylight Opening

3-PANEL EXTENDED CIRCLE SEGMENT UNITS

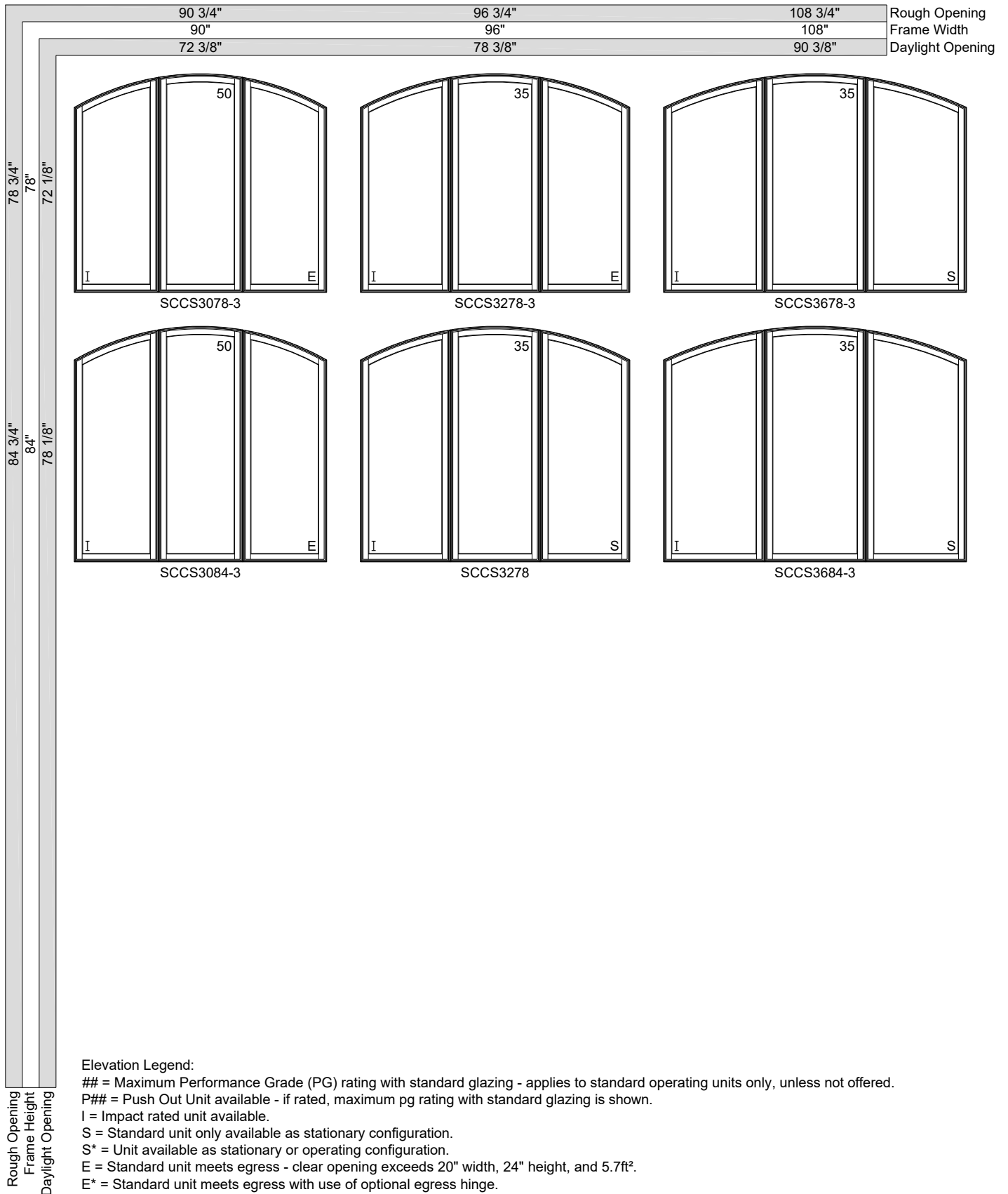


Rough Opening
 Frame Height
 Daylight Opening

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3-PANEL EXTENDED CIRCLE SEGMENT UNITS



THE FOLLOWING SHEETS PROVIDE
INFORMATION REGARDING

SITE PLAN

2



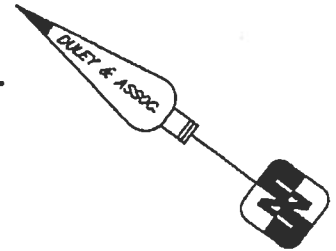
Universal Title

CASE #: AN7236

10300 Eaton Place Ste 120
Fairfax, VA 22030
202-236-0380

PHILADELPHIA AVENUE

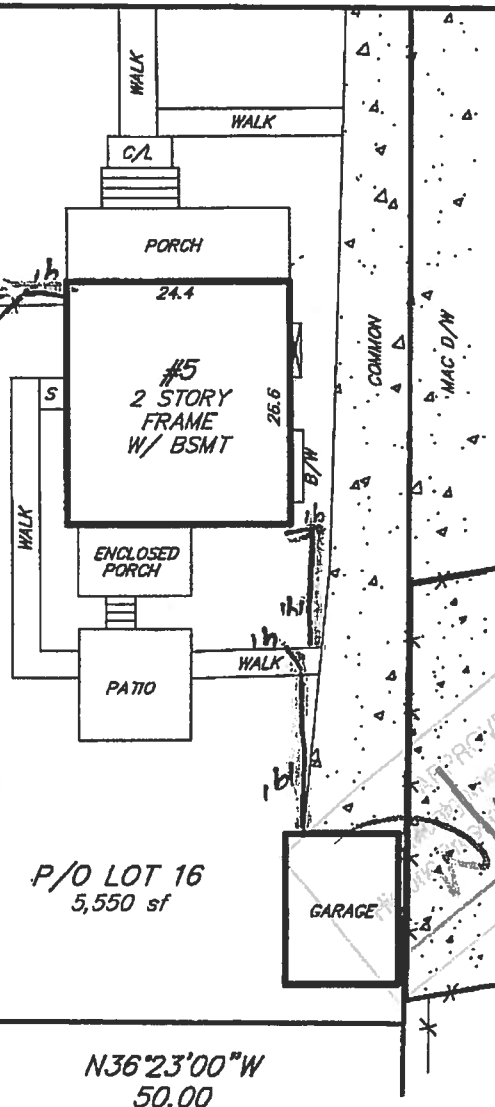
S36°23'00"E
50.00



chain link fence

N53°37'00"E
111.00

*Building materials:
Pressure treated
Southern yellow
pine
height would be
4'5"*



S53°37'00"W
111.00

P/O LOT 16
5,550 sf

N36°23'00"W
50.00

8/2/14

LOCATION DRAWING OF:

#5 PHILADELPHIA AVENUE
PART OF LOT 16 BLOCK 2
HILL-CREST
PLAT NO. 140

LIBER: 48203 FOLIO: 484
MONTGOMERY COUNTY, MARYLAND

SCALE: 1"=20' DATE: 5-6-14
DRAWN BY: CP FILE #: 142021-152

LEGEND:

- X- - FENCE
- B/E - BASEMENT ENTRANCE
- B/W - BAY WINDOW
- BR - BRICK
- BRL - BLDG. RESTRICTION LINE
- BSMT - BASEMENT
- C/S - CONCRETE STOOP
- CONC - CONCRETE
- D/W - DRIVEWAY
- FR - FRAME
- FRAM - FRAM
- MAC - MACADAM
- O/H - OVERHANG
- PUE - PUBLIC UTILITY ESMT.

COLOR KEY:

- (RED) - RECORD INFORMATION
- (BLUE) - IMPROVEMENTS
- (GREEN) - ESMTS & RESTRICTION LINES

A Land Surveying Company

DULEY

and
Associates, Inc.

Serving D.C. and MD.
14604 Elm Street, Upper Marlboro, MD 20772

Phone: 301-888-1111
Phone: 1-888-88-DULEY

Fax: 301-888-1114
Fax: 1-888-55-DULEY



SURVEYOR'S CERTIFICATE

I HEREBY STATE THAT I WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS DRAWING AND THE SURVEY WORK REFLECTED HEREIN AND IT IS IN COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN REGULATION 12 CHAPTER 09.13.06 OF THE CODE OF MARYLAND ANNOTATED

DULEY & ASSOC.

Will Give You 138

