



City of Longview

1525 Broadway
Longview, WA 98632
www.ci.longview.wa.us

Agenda

In-person at Longview Council Chambers, 1525
Broadway Street

Or Virtual on zoom: Join Zoom Meeting

<https://us02web.zoom.us/j/88246281771?pwd=Um53NmN3TUlvOERJTEUwTjIuQXI4Zz09>

Meeting ID: 882 4628 1771 Passcode: 1923

Historic Preservation Commission

Monday, July 26, 2021

5:30 PM

Small Conference Room, City Hall

1. **ROLL CALL**

2. **APPROVAL OF MINUTES**

21-000879 Minutes of the June 28, 2021 Regular Meeting

3. **CONSTITUENT COMMENTS**

4. **BOARD MEMBER COMMENTS**

5. **REPORTS**

6. **UNFINISHED BUSINESS**

21-000877 CA 2021-3 TYNI Building Rehabilitation project (special valuation)

STAFF RECOMMENDATION:

Motion to adopt the findings and recommendations of the Staff Report and approve the Certificate of Appropriateness CA 2021-3 with the requirement that

1. All replacement windows have exterior grilles with an approved profile (and interior grids to match on all Commerce facing windows)
2. All paint colors shall be submitted for design review unless matching or touching up existing colors.
3. All work, products and receipts shall be documented and presented to the commission monthly for approval of Special Valuation .

7. **NEW BUSINESS**

8. **ADJOURNMENT**



City of Longview

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Longview, WA 98632
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Minutes

Virtual Meeting Agenda Please use this link to join the meeting:

<https://us02web.zoom.us/j/88246281771?pwd=Um53NmN3TUlvOERJTEUwTjIuQXl4Zz09>
Meeting ID: 882 4628 1771 Passcode: 1923
Or join by phone for audio. +1 253 215 8782
US (Tacoma) +1 346 248 7799 US (Houston)

Historic Preservation Commission

Monday, June 28, 2021

5:30 PM

Small Conference Room, City Hall

1. **ROLL CALL**

In attendance

Members: Cam Hanna, Chairman; Arthur Chang; Gary Nordin; Russel Strobel; Nathanael Light

Staff: Adam Trimble, Interim Planning Manager; Nancy Vandehey, Admin. Assistant; Chris Skaugset, Library Director; Austin Brigden, Library Admin. Assistant; Becky Standal, Librarian

Not in attendance

Members: Jason Hanson, Co-Chair; Jonell Day Kenagy

2. **APPROVAL OF MINUTES**

21-000811 Minutes of the May 24, 2021 Site-visit meeting

A motion was made by Arthur Chang, seconded by Russ Strobel, that the minutes from the May 24, 2021 site visit meeting be accepted and approved. This pass unanimously.

3. **CONSTITUENT COMMENTS**

None.

4. **BOARD MEMBER COMMENTS**

Nat Light asked that the Library Item, 21-000810, be moved up the agenda. Everyone agreed.

5. **REPORTS**

CLG Grant Update – Arthur Chang presented that \$3,300 has been granted. It still needs to get federal funding before getting funds. Should be able to start spending in October. A website needs to be built to share plans with the public. He asked Adam to share the application with the group. Cam Hanna asked to keep this as an ongoing agenda item. Adam Trimble thanks the sub-committee (Nat, Arthur & Jonell) for all of their work on this project. Arthur Chang stated that there's a possibility to digitize more items in the Longview Room. Cam Hanna stated that he has 8-10 file cabinet drawers in his home of LongBell original blue prints. Nat Light would like a meeting scheduled to discuss the process to make this happen. Adam Trimble stated that The Daily News has already contact him for an interview. Arthur Chang will join in the interview.

Lake Sacajawea project - \$1.07M has been awarded to the City for work on the Lake Sacajawea sidewalk, restroom and Martin's Dock. Gary Nordin asked about the approval for sidewalk work years ago. Adam Trimble confirmed that sidewalk work had been approved in the past, but that we'd still want to do a plan review again as the proposed sidewalks are wider.

WA Main Street Grants – There are lots of grant opportunities to become a member of Main Street Community. Adam Trimble stated that the department is currently understaffed to take this on, but it could be done. We have a history of 1 or 2 business owners that are opposed and create a challenge to get a full buy in.

Library Project – Chris Skaugset shared that it's been 20 years since any major work has been done on the exterior of the Library. The building condition is failing – roof leakage, needs cleaning/moss removal, and windows with gaps and wood rotting. The Garland Group provided an evaluation and report of needed repairs to restore the jewel of the city. Estimation is \$950,000. City need to find funding options. Chris will send out the Garland Group report by email. Council has shown a great deal of support for this project. Consensus was to draft a letter of full support of preserving and protecting the library. Nat Light will draft a letter for review.

Harlie's Hoops – Adam Trimble stated that Parks has reported that the plantings are complete. Fencing is done and the netting is not yet up. There was a discussion on the fencing color and a suggestion was made to see if it could be painted or powder coated. Nat Light could not find that is specified in the certificate of appropriateness. Possibly painting could be a yearly community project. Adam had inquired about planting trees, but the desire is to keep it as open as possible.

6. **UNFINISHED BUSINESS**

21-000810 CA 2021-1 Certificate of Appropriateness for Library drive-up window (facing Maple Street). 3rd design review.

SUMMARY STATEMENT:

The Library is proposing to replace the bottom half of an existing aluminum window with a bi-fold service window on the back of the building facing Maple Street for a new drive-up book pick up service. The new window will be finished aluminum to match the existing. A shelf will be designed and submitted for review in the future.

RECOMMENDED ACTION:

Motion to approve the proposal with the condition that any shelf proposed but brought back for review and approval at a future date.

Adam Trimble provided a review of the application and materials. Chris Skaugset stated that the Library would like to continue to provide drive up services. Temperature control is an issue – cold in winter, hot in summer. Austin Brigden shared that the new window will fit inside the existing framework. Cam Hanna asked about the coating and color. Chris Skaugset confirmed that they don't plan to change the color and that work will be completed by Erickson, not Twin City. Russ Strobel stated that the bi-fold is the best option for weather proofing.

Motion was made by Russ Strobel, seconded by Gary Nordin, to approve with the shelf coming back for approval at a second meeting. Approved unanimously.

21-000809 On Hold- no application as of agenda date. CA 2021-3 Tyni Building window replacement and roofing, skylight repairs. Certificate of Appropriateness and Special Valuation project. 1st design review.

No application at this time. A letter of intent was dropped off that they plan to apply for the Special Evaluation Tax Credit. Adam Trimble reminded the group that as design review is done, all of the items will need to be certified as that is a requirement. The total amount needs to be calculated to receive the tax break. The project will be for roofing, skylight and 2nd story windows. With the photo that Jason Hanson located, the starting point should be replication of the original design. The applicant will not be pursuing the federal tax credit due to requirements and the depreciation value. If they have federal funding, then would need to go through a review for the National Historic registry. The Housing Authority incentive for the efficiency upgrade may trigger the federal funding review.

7. **NEW BUSINESS**

8. **ADJOURNMENT**

The meeting was adjourned at 6:24 pm.

Application For A
CERTIFICATE OF APPROPRIATENESS
Longview Historic Preservation Commission
Longview, Washington

Application No. _____

Date 6-21-2021

Instructions: Print neatly or type. Submit by the 3rd Thursday of the month in order to be considered at the regular meeting on the 4th Thursday of that month. Insufficient documentation and incomplete applications will be returned or placed on hold. **Please be aware that the issuance of Building Permits is dependant on obtaining a Certificate of Appropriateness.**

Application is hereby made for issuance of a Certificate of Appropriateness (under Longview Ordinance 16.12.060 (1) & (3) for work as described below, and on plans, drawings, photographs, and descriptive material (attached) :

Address of Proposed Work 1162-1166 COMMERCE AVE

Name of Building or Site TYNE

Owner of Building or Site WILHELMSEN FAMILY TRUST Phone 360-423-8568

Home Address 2251 CASCADE WAY
LONGVIEW, WA

Name(s) & Address of Agent NONE

Phone _____

Name & Address of Architect or Designer A

Phone _____

Name & Address of Builder or Contractor AVID BUILDERS

WEST SEATTLE Phone 206-715-8860

Approximate date of Starting Work _____ Completion _____

Information required for processing of application:

NA 1. Plot Plan and /or floor plan

NA 2. Two sets of plans and or drawings to scale, of all elevations on all sides affected. Drawings submitted must look professional or be of high quality and detail if applicable to the project, or for structural or substantial alterations.

_____ 3. Clear photographs of existing structure or property and listed features.

_____ 4. Samples of material and color (roofing, siding, windows, etc...)

_____ 5. Required permits from Community Development and/or Public Works Departments:

Circle (Building) (Plumbing) (Electrical) (Mechanical) (Demolition) (Windows, Siding) (R-O-W)

DESCRIPTION OF WORK (check appropriate categories):

☐ Historic Restoration	☐ Dwelling	☐ Siding	☐ Fence
☐ Renovation	☐ Commercial	☐ Porch	☐ Wall
☐ New Construction	☐ Garage	☐ Parking	☒ Steps
☐ Demolition	☐ Addition	☐ Walks	☐ Signs
☐ Foundation	☐ Awnings	☒ Windows	☒ Roof
☐ Chimney	☒ Skylights	☐ Color Change	☒ Painting

Itemize and describe all categories of proposed work. Include size, style, material and color: Provide information on the exact products that will be used: (product brochures, specifications, etc.) to assist the Commission in their review. Approved product choices will be stamped, and verified on final inspection.

*****Please attach or submit additional pages as necessary*****

IMPORTANT:

No work may differ from approved Certificate of Appropriateness.

Any proposed Changes must be Reviewed and Approved by the Commission as an addendum to the Certificate of Appropriateness.

Certificate of Appropriateness is valid for 12 months from date of issuance.

Certificate may be renewed at discretion of the Historic District Commission.

Do you intend to apply for Special Property Tax Valuation for Historic Property Renovation? ☒

Signature of Owner(s) of Record

x Ly A. Wilhelmsen

WILHELSEN FAMILY TRUST

x Constantine R. Wilhelmsen

Signature of Applicant(s)

x ABOVE

x ABOVE

Signature of Agent (s)

x _____

x _____

BACK STEPS & PAINTING

7/13/2021 update

Commerce Building Historic and Energy Rehabilitation

The driving force of rehab is to bring the building up to the national goal of minimizing energy usage and to maintain the historic character.

The main effort is to replace a leaking roof and upgrade to energy efficient sky lites. The roofer has agreed to replace the sky-lites and awnings protecting the weather exposed windows on the south side light well.

Upgrading the apartment windows to insulated units that simulate historic appearance looks to be possible at acceptable expense and we just need approval of the committee.

I have already begun the repair of the back of the building. The windows over the entrance to 1166 have been repaired by replacement of four panes of glass, removal of dry rot casings, and repair of wood frames using Abatron LiquidWood & WoodEpoxy wood restoration kit. The back roof covering the entrance has had the old fiberglass material removed, the wood cleaned and painted, and new SunTuff clear plastic roof added as recommended by the roofer and purchased from Baker Lumber.

The roof over the entrance to 1162 has had all the rotten wood replaced with new wood newly bolted to the concrete wall, with wood and wall painted to match existing building. New SunTuff replaced the old fiberglass.

The refuge was hauled away from the back of the building and the back area pressure washed including the back stairs for painting and repair. New supports were anchor bolted to the concrete. All mold was removed from the lower walls and parking area.

Painting is nearly complete with the same colors of Sherwin Williams Super Paint exterior Acrylic Latex. Two gallons of light color and half gallon for railings. Front area of 1166 has been repaired with epoxy and painted with the rest of the front to be painted later.

Will be searching for a painting contractor to remove the unsightly rusting metal rods protruding from the front of the building and touch up corrosion stains after the windows are installed. Will have my maintenance crew do any painting around new windows.

Larry Wilhelmsen, 360-423-8568

May 23, 2021

Tyni Building History & Ownership

My Ownership started 3-10-73 as one of six partners buying on contract the then named Jean Ann Apartments. Partners were Korten, Sari, Stacie, Svinth, and Dr. McGee. I was managing partner.

The building is divided into three bays with two commercial entrances. 1162 has one-fourth of the center bay and 1166 three-fourths. Most of the 1166 center bay has a full height ceiling to the floor joist of the apartments above, A mezzanine level exists in both outside bays with a stairway from the back. 1162 in the back half has an office space while 1166 has just storage space going back to front and gives access to piping supplying water to the apartments. Windows provide light to all bays at the mezzanine level.

The top floor has six one-bedroom apartments with a stairway up from the front and back. A skylight is at the head of the front stairs and one in each bath area. A six-foot wide light court on both sides of the building provides light to all units and fire escape. There are 22 windows with 12 being in the courts.

The back of the building has a utility room in the center of the building containing water heaters for the apartments and coin operated washer and dryer for tenants. This was the boiler room for the steam heated building and all associated equipment has been removed.

Improvements to building-

When the alley was paved we also concrete paved the back parking space. However, this level was above the building floor level so we built a four inch deep covered entrance area with water drain holes.

In 1989-90 we participated in a US Department of Interior Historic Preservation Rehab of the building under the guidance of Crook and Associates. We paid half of the estimated total cost of \$80,000 covering remodel of all the apartments, window replacement with single hung aluminum, all piping replacement and a new roof etc.

In 1990 we became a Longview Historic Register building.

In 1992 I retired from Longview Fibre and in February 1993 I bought the building from my partners and dissolved the partnership. The depreciable cost of the building was \$80,251 and will be fully depreciated in 2023. It now qualifies for Federal Tax Credit. Sheila Soto now manages the renting and repairs that I approve. Nearly half of the apartments are rented to Longview Housing Authority applicants. Sheila has mentioned some possible aid for replacement insulated windows via qualified tenants.

Future Improvements to building-

The roof replacement is scheduled for June with a bit of \$28,500+ tax and I have requested he add replacement of seven thermally rated skylights. Light court walls may need special attention and the fiberglass hoods over the windows replaced

Measurements have been taken for replacement of all 22 aluminum windows in the apartments with thermal approved vinyl or fiberglass. Suggest black exterior and white interior. When installing we probably should grind off old rusting metal rods that were marque supports and remove rust spots.

The back entry covers need replacing and some repairs and painting of the stairs and window casings.

Commercial front windows are a big question mark with regards of thermal savings but will be done if making sense.

Twin City Glass has some ideas but offers that windows adjacent to entry doors are a problem because of tempered glass requirements. Mezzanine window thermal insulations does not appear practical.

General comments-

Fire insurance is very expensive because of the apartments. The city utilities are high because we provide the WSG.

I plan to keep the building within the family via a Family Trust which provides transfer to my two sons who are also in real estate investing.

Larry Wilhelmsen



Connie Wilhelmsen



Co-trustees of the Wilhelmsen Family Trust

**Application For A
CERTIFICATE OF APPROPRIATENESS
Longview Historic Preservation Commission
Longview, Washington**

Application No. _____

Date 5-24-2021

Instructions: Print neatly or type. Submit by the 3rd Thursday of the month in order to be considered at the regular meeting on the 4th Thursday of that month. Insufficient documentation and incomplete applications will be returned or placed on hold. **Please be aware that the issuance of Building Permits is dependant on obtaining a Certificate of Appropriateness.**

Application is hereby made for issuance of a Certificate of Appropriateness (under Longview Ordinance 16.12.060 (1) & (3) for work as described below, and on plans, drawings, photographs, and descriptive material (attached) :

Address of Proposed Work 1162 - 1164 COMMERCIAL AVE

Name of Building or Site TYNI

Owner of Building or Site LARRY WILHELMSEN Phone 360-423-9568

Home Address 2251 CASCADE WAY

Name(s) & Address of Agent NONE

Phone _____

Name & Address of Architect or Designer NONE

Phone _____

Name & Address of Builder or Contractor NOT SELECTED YET

Phone _____

Approximate date of Starting Work _____ Completion _____

Information required for processing of application:

- _____ 1. Plot Plan and /or floor plan
- _____ 2. Two sets of plans and or drawings to scale, of all elevations on all sides affected. Drawings submitted must look professional or be of high quality and detail if applicable to the project, or for structural or substantial alterations.
- _____ 3. Clear photographs of existing structure or property and listed features.
- _____ 4. Samples of material and color (roofing, siding, windows, etc...)
- _____ 5. Required permits from Community Development and/or Public Works Departments:
Circle (Building) (Plumbing) (Electrical) (Mechanical) (Demolition) (Windows, Siding) (R-O-W)

Proposed Window Treatment Addendum	
Please supply the following information in accordance with the Longview Historic Preservation Commission's Window Treatment Standards. Attach additional pages as necessary.	
Level of Treatment (Per Treatment Standards)	
Treatment option (Per Treatment Standards)	
Please explain why you feel this level of treatment is necessary	
Please describe your technical approach to performing this treatment	
As an attachment to this form, please provide the following information:	
1) Provide photographs detailing the damage to existing windows as well as the extent of the damage.	
2) Provide the contact information for any professional consultant that you have used in this process.	
3) If the windows currently installed in the building are not the original, provide architectural drawings, historic photos or similar information detailing the original windows.	
4) Provide samples, pictures and technical information of any material intended for use in the treatment process.	

DESCRIPTION OF WORK (check appropriate categories):

☒ Historic Restoration	☐	Dwelling	☐	Siding	☐	Fence
☐ Renovation	☒	Commercial	☐	Porch	☐	Wall
☐ New Construction	☐	Garage	☐	Parking	☒	Steps
☐ Demolition	☐	Addition	☐	Walks	☐	Signs
☐ Foundation	☐	Awnings	☒	Windows	☒	Roof
☐ Chimney	☒	Skylights	☐	Color Change	☒	Painting

Itemize and describe all categories of proposed work. Include size, style, material and color: Provide information on the exact products that will be used: (product brochures, specifications, etc.) to assist the Commission in their review. Approved product choices will be stamped, and verified on final inspection.

*****Please attach or submit additional pages as necessary*****

IMPORTANT:

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Certificate of Appropriateness is valid for 12 months from date of issuance.

Certificate may be renewed at discretion of the Historic District Commission.

Do you intend to apply for Special Property Tax Valuation for Historic Property Renovation? ☒

Signature of Owner(s) of Record

x Larry A. Milbrink

x _____

Signature of Applicant(s)

x Connie Wilhelmsen

x _____

Signature of Agent (s)

x _____

x _____

From: kraig@avidbuild.com
Subject: Commerce - Windows
Date: May 10, 2021 at 8:50:51 AM
To: larry wilhelmsen lwilhelmsen2@yahoo.com
Cc: Connie Wilhelmsen clwilhelmsen@yahoo.com

Let me know what bids you get for the windows so I can look them over. I have a window supplier that I use and nobody has been able to come close to his pricing. So if you find somebody who wants to just do install and you do the purchasing, you might be able to save a few thousand. *Not AVAILABLE*

Lastly can I recommend Black windows for just the Commerce street side. I think it would make the building look much nicer and it would only be a few hundred \$ upgrade. The rest of the can be white. Also, let me know if you want me to come down for a day to help measure. I can bring the kids and we can play a round of golf too.

Good Seeing everyone yesterday.

Kraig



Kraig Wilhelmsen
Avid Builders, Inc
4701 SW Admiral Way
PMB 225
Seattle WA 98116
206-715-8860c
www.avidbuild.com
Passion - Teamwork - Dedication

FILL OUT HISTORICAL FONTS - ADAM
ENICKSON -



STAFF REPORT to the Longview Historic Preservation Commission

PRESENTED BY: Adam Trimble, Planner

MEETING DATE: July 26, 2021

APPLICATION NO.: Certificate of Appropriateness number 2021-3

APPLICANT: Larry Wilhelmsen

PROPERTY OWNER: Wilhelmsen Family Trust

REQUEST: Certificate of Appropriateness for improvements to windows and roofing.

LOCATION: 1162-1166 Commerce Ave

HISTORIC STATUS: The Tyni building is listed on the local and national historic register.

ASSOCIATED CASES:

ZONING DISTRICT: Downtown Commerce District

BACKGROUND AND PROPOSAL:

The Tyni building needs a new roof, skylights and windows. Incentives for energy efficiency are encouraging window replacement at this time. The roof is currently leaking. Rusty metal rods from previous signs or awnings protruding from the front of the building will be removed and repaired.

The roof will be re-roofed with torch down. The Commerce facing windows will be replaced with Plygem Pro Series 700 casement windows to replicate the original casement windows. Windows on the sides and rear of the building will be replaced with single-hung Plygem Pro Series 200 specification windows. All windows will have colonial grille patterns and low-E glass.

PUBLIC NOTICE:

No public notice is required for certificates of appropriateness that are heard at a regular meeting.

APPLICABLE CODE SECTIONS:

16.12.060 Review of changes to Longview register of historic places.

(1) Review Required. No person shall construct any new building or structure, or reconstruct, alter, restore, remodel, repair, move, or demolish any existing property on the Longview register of historic places or within an historic district on the Longview register of historic places without review by the commission and without receipt of a certificate of appropriateness, or in the case of demolition, a waiver, as a result of the review.

The review shall apply to all features of the property, interior and exterior, which contribute to its designation. Information required by the commission to review the proposed changes are established in rules.

(3) Review Process.

(a) Requests for Review and Issuance of a Certificate of Appropriateness or Waiver. The building or zoning official shall report any application for a permit to work on a designated Longview register property or in a Longview register historic district to the commission.

If the activity is not exempt from review, the commission shall notify the applicant of the review requirements. The building or zoning official shall not issue any such permit until a certificate of appropriateness or a waiver is received from the commission but shall work with the commission in considering building and fire code requirements.

(b) Commission Review. The owner or his/her agent (architect, contractor, lessee, etc.) shall apply to the commission for a review of proposed changes on a Longview register property or within a Longview register historic district and request a certificate of appropriateness or, in the case of demolition, a waiver. Each application for review of proposed changes shall be accompanied by such information as is required by the commission established in its rules for the proper review of the proposed project.

The commission shall meet with the applicant and review the proposed work according to the design review criteria established in rules. Unless legally required, there shall be no notice, posting, or publication requirements for action on the application, but all such actions shall be made at regular meetings of the commission. The commission shall complete its review and make its recommendations within 30 days of the date of receipt of the application. If the commission is unable to process the request, the commission may ask for an extension of time.

The commission's recommendations shall be in writing and shall state the findings of fact and reasons relied upon in reaching its decision. Any conditions agreed to by the applicant in this review process shall become conditions of approval of the permits granted. If the owner agrees to the commission's recommendations, a certificate of appropriateness shall be awarded by the commission according to standards established in the commission's rules.

The commission's recommendations and, if awarded, the certificate of appropriateness shall be transmitted to the building or zoning official. If a certificate of appropriateness is awarded, the building or zoning official may then issue the permit.

DESIGN REVIEW:

Design review is required. The Historic Preservation Commission has adopted the Secretary of the Interior's Standards for the Treatment of Historic Properties. Qualified professionals have recommended that the Restoration treatment approach be applied to this property. An excerpt from the National Parks Service website provides the difference between the more common approach of rehabilitation:

Rehabilitation acknowledges the need to alter or add to a historic property to meet continuing or changing uses while retaining the property's historic character.

Secretary's Standards for Rehabilitation

1. A property shall be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment.
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.
3. Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings, shall not be undertaken.
4. Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved.
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.
7. Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.
8. Significant archeological resources affected by a project shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken.
9. New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.
10. New additions and adjacent or related new construction shall 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.

Replacing in kind an entire window that is too deteriorated to repair using the same sash and pane configuration and other design details. If using the same kind of material is not technically or economically feasible when replacing windows deteriorated beyond repair, then a compatible substitute material may be considered.



Lower window sash replaced, based on physical documentation.

For example, on certain types of large buildings, particularly high-rises, aluminum windows may be a suitable replacement for historic wooden sash provided wooden replacement are not practical and the design detail of the historic windows can be matched.

Historic color duplication, custom contour panning, incorporation of either an integral muntin or 5/8" deep trapezoidal exterior muntin grids, where applicable, retention of the same glass to frame ratio, matching of the historic reveal, and duplication of the frame width, depth, and such existing decorative details as arched tops should all be components in aluminum replacements for use on historic buildings.

not recommended

Removing a character-defining window that is unrepairable and blocking it in; or replacing it with a new window that does not convey the same visual appearance.

Design for Missing Historic Features

The following work is highlighted to indicate that it represents the particularly complex technical or design aspects of rehabilitation projects and should only be considered after the preservation concerns listed above have been addressed.

recommended

Designing and installing new windows when the historic windows (frames, sash and glazing) are completely missing. The replacement windows may be an accurate restoration using historical, pictorial, and physical documentation; or be a new design that is compatible with the window openings and the historic character of the building.

not recommended

Creating a false historical appearance because the replaced window is based on insufficient historical, pictorial, and physical documentation.

Introducing a new design that is incompatible with the historic character of the building.

STAFF DISCUSSION:

The criteria given by the Secretary of the Interior for Rehabilitation discuss treatment of features that are deteriorated and the guidelines describe missing features. The original second story windows facing Commerce are missing- replaced in the 1980's with aluminum windows which actually match the originals in form and layout (two casements around a center fixed window) but did not match the materials or retain the window grid pattern. The proposal is to replace the inappropriate aluminum windows with vinyl windows that have simulated divided lights (exterior grids), the original layout and style (casements) and color (black exterior to match the mezzanine windows). Low-e (coated) glass is likely an essential part of the energy efficiency incentive driving this project. The commission can request the applicant to research if the low-e panes can be placed on the interior pane of the window to minimize the modern reflective appearance but staff is not recommending this be a requirement as it will likely reduce the energy efficiency of the window, an important feature in preserving a building. The nature of the windows being replacement and the lack of any existing street facing wood windows at the conclusion of the project minimizes the need to replicate the likely materials (wood) of the original windows. Vinyl, fiberglass and extruded wood window frames are the current materials available for mass produced windows. Modern wood windows are available but typically have fiberglass or metal cladding on the exterior so the result will be the same aesthetic from the outside as vinyl. The interior of the building where a wood framed window would be visible is not considered historic and not part of this application for special valuation so there is no need to consider wood windows at this time.

The roofing, skylights, repairs and painting to match existing aspects of the project are important works to preserve and protect this building and should be included in the special valuation. Staff wholly endorses the standard; "Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible." These ancillary scopes of work should not negatively impact aesthetics and should be approved with that understanding. Any changes such as flashing, paint color changes, significant masonry repair or entryway modifications that would affect the appearance of the building must undergo additional design review.

STAFF FINDINGS:

1. The proposal is consistent with the secretary of the interiors standards for rehabilitation and the guidelines for the replacement of damaged and missing windows.
2. The project contributes to the long-term preservation of the building by improving water resistance, repairing damage and replacing windows with energy efficient designs.

STAFF RECOMMENDATION:

- a) Motion to adopt the findings and recommendations of the Staff Report and approve the Certificate of Appropriateness CA 2021-3 with the requirement that
 - i. All replacement windows have exterior grilles with an approved profile (and interior grids to match on all Commerce facing windows)

- b)** All paint colors shall be submitted for design review unless matching or touching up existing colors.

Adam Trimble

From: kraig@avidbuild.com
Sent: Tuesday, July 13, 2021 9:18 AM
To: Adam Trimble; 'larry wilhelmsen'
Subject: 1164 - Commerce - Window submittals
Attachments: We sent you safe versions of your files; 1164 - Commerce - PlyGem - Pro 200 and 700 Brochure - Submittal.pdf; 1164 - Commerce - PlyGem - Pro Series 200 Single Hung - Specifications.pdf; 1164 - Commerce - PlyGem - Pro Series 700 Casement - Specifications.pdf; 1164 - Commerce - Window Floor Plan.pdf; 1164 - Commerce Street Side Window Layout.pdf

Mimecast Attachment Protection has deemed this file to be safe, but always exercise caution when opening files.

Adam: Thank you for your patience while we pulled this together. Please look this over and let me know if this provides enough information for your Thursday meeting. If you have questions between now, and then please email me or call me so I can get you a response before your meeting.

Included is:

- Plygem Pro Series 200 Specifications for the Single Hung windows. (These are all the single windows)
- Plygem Pro Series 700 Specifications for the Casement Hung windows. (These are the Commerce facing egress windows.)
- Plygem Pro Series Brochure for Single Hung, Casement, and Picture windows.
- Commerce Street Side Layout Windows. (Scaled details to show how this assembly will look. This will come as one single unit)
- Commerce Window Floor Plan. (Size and locations of each window.)

General notes are as follows.

- Red Clouds on the spec's and brochure indicate pertinent information.
- Window construction is an extruded integral vinyl which last longer then a painted windows. (Black outside and white inside.)
- 7/8" simulated Divided Light grids. They have a picture of them on the submittals so you see how they will look. This is the closest to the size and look of the original windows that we could find.
- Casement Windows on Commerce are horizontally sized for egress.

Hopefully this provides all that you need and look forward to your response.

Kraig.



Kraig Wilhelmsen
Avid Builders, Inc
4701 SW Admiral Way
PMB 225
Seattle WA 98116
206-715-8860c
www.avidbuild.com
Passion - Teamwork - Dedication

SKY LIGHTS -

Re: VELUX Energy Efficiency | Sustainable Living

From: Neil Rohl (neilrohl@gmail.com)

To: lwilhelmsen2@yahoo.com

Date: Thursday, July 1, 2021, 08:43 AM PDT

2x2 velux skylight \$250 per I believe you have 5 of them

velux 4x4 is 425

custom size bigger one would be \$1300

$$\begin{array}{r} - \$1250 \\ 425 \\ \hline \$1675 + TAX \end{array}$$

On Jun 25, 2021, at 11:53 AM, larry wilhelmsen <lwilhelmsen2@yahoo.com> wrote:

Hi Neil,

I believe one of the unit bath lights was replaced a few years back so maybe ok. Can you be specific on the cost and specs so I can take it to the Historic people? They must have it to push forward.

Larry

Sent from my iPad

On Jun 25, 2021, at 7:40 AM, Neil Rohl <neilrohl@gmail.com> wrote:

Here is a link for the skylight brand I will be using

<https://www.veluxusa.com/help/sustainable-living/energy-efficiency>

Neil Rohl

360-751-0090

<http://www.rohlroofing.com/>

neilrohl@gmail.com

<alaskaoregonwesternwashington.bbb.org.png>

Neil Rohl

360-751-0090

<http://www.rohlroofing.com/>

neilrohl@gmail.com

ROOF ESTIMATE
Rohl Roofing Proposal



TEL (360)-751-0090

WEB <http://www.rohlroofing.com/>

EMAIL neilrohl@gmail.com

ROOFER TO PURCHASE + INSTALL

January 19, 2021
1164 Commerce Ave
Longview WA

SKYLIGHTS - SEE COST.

WE HEREBY SUBMIT SPECIFICATIONS AND ESTIMATES FOR:

-Tear off and complete removal of all debris

-**Lite well included**

-Install glass base sheet

-**Roof with smooth torch down**

-**Install lead pipe covers**

-Install long neck metal vents

-Replace any rotten or damaged wood pertaining to roof structure (Additional cost-time+material)
Soffit board or other specialty plywood will be priced accordingly

-Nail sweep with Industrial nail magnet around entire job site

-5 year Labor warranty

-12 year material warranty

-Re-install skylights

-Re-use existing cap metal

-Payment to be made: **In full when complete**

Dollars (\$ 28,425+tax)

Acceptance of Proposal Submitted by Neil Rohl

Signature _____ Signature _____

WINDOWS

RE: 1164 - Commence - Revised Windows.

From: kraig@avidbuild.com

To: lwilhelmsen2@yahoo.com

Date: Monday, July 12, 2021, 08:51 AM PDT

Jason got back to me. I put his numbers into a spread sheet along with the cost of the windows to get a Total.

I'll work on the submittal packet for the committee and try to get it to you today.

1164 - Commerce - Window Replacements.						
Window installation		Price to install		TOTAL		
	Install small windows	18 ea	\$	198		\$ 3,564
	Install big windows	4 ea	\$	298		\$ 1,192
	Clean up and Disposal	1 ea	\$	396		\$ 396
	Caulking materiaial	1 ea	\$	200		\$ 200
	*Estimated between \$5,200 and \$5,400				TOTAL INSTALL	\$ 5,352
Window Supply						
	Plygem	1 ls	\$	14,259		\$ 14,259
	Delivery??	?		?		\$ -
					TOTAL MATERIALS	\$ 14,259
TOTAL SUPPLY and INSTALL						\$ 19,611
	Sales Tax				0.1025	\$ 2,010
					GRAND TOTAL	\$ 21,621

From: Yahoo Larry <lwilhelmsen2@yahoo.com>

Sent: Tuesday, July 6, 2021 3:57 PM

To: kraig@avidbuild.com

Subject: Re: 1164 - Commence - Revised Windows.

Hi Kraig,

1164 - Commerce - Window submittals

From: kraig@avidbuild.com

To: adam.trimble@ci.longview.wa.us; lwilhelmsen2@yahoo.com

Date: Tuesday, July 13, 2021, 09:18 AM PDT

Adam: Thank you for your patience while we pulled this together. Please look this over and let me know if this provides enough information for your Thursday meeting. If you have questions between now, and then please email me or call me so I can get you a response before your meeting.

Included is:

- Plygem Pro Series 200 Specifications for the Single Hung windows. (These are all the single windows)
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206-715-8860c

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Passion - Teamwork - Dedication



REX/T-REX AWARDS
REMODELING EXCELLENCE
2021 BEST IN SHOW

-  1164 - Commerce - PlyGem - Pro 200 and 700 Brochure - Submittal.pdf
7MB
-  1164 - Commerce - PlyGem - Pro Series 200 Single Hung - Specifications.pdf
627.3kB
-  1164 - Commerce - PlyGem - Pro Series 700 Casement - Specifications.pdf
1.5MB
-  1164 - Commerce - Window Floor Plan.pdf
415.2kB
-  1164 - Commerce Street Side Window Layout.pdf
386.3kB



Single Hung

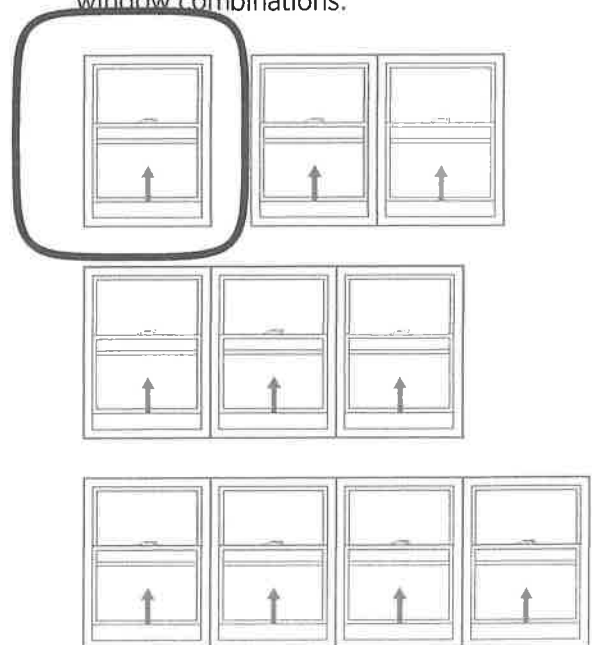
Bring your rooms to life with our attractive single hung windows, which blend the charm of yesterday with the high-tech innovation performance of today. They will brighten your spaces with timeless beauty and deliver the durability and the latest in energy-efficient features you'll appreciate every day.

FEATURES

- Block and tackle sash balances for easy and smooth operation
- Lock options meet or exceed strict forced entry code requirements
- Low point high-pressure baffled weep system for efficient water drainage
- Corrosion resistant fasteners and hardware for lifelong durability



Available in twin, triple and quad window combinations.



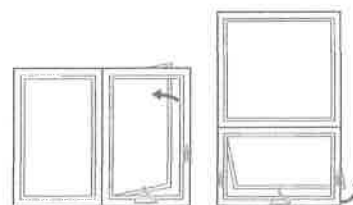


Casement & Awning

Bring fresh air to out-of-the-way spaces with our casement and awning windows. Sash opens fully for maximum fresh air through an interior screen. Customize your window configuration with picture windows to create a unique look.

FEATURES

- Folding nested handle hardware for sleek appearance and minimizing interference with window treatments
- Stainless steel hardware and fasteners standard for added strength and longevity
- Double-row bulb compression weatherstripping for tight seal and increased efficiency
- Integral structural mulls provide durability and reinforcement to casement and awning combination units



Casement

Awning

Color-matched hardware coordinates with and complements interior home décor.

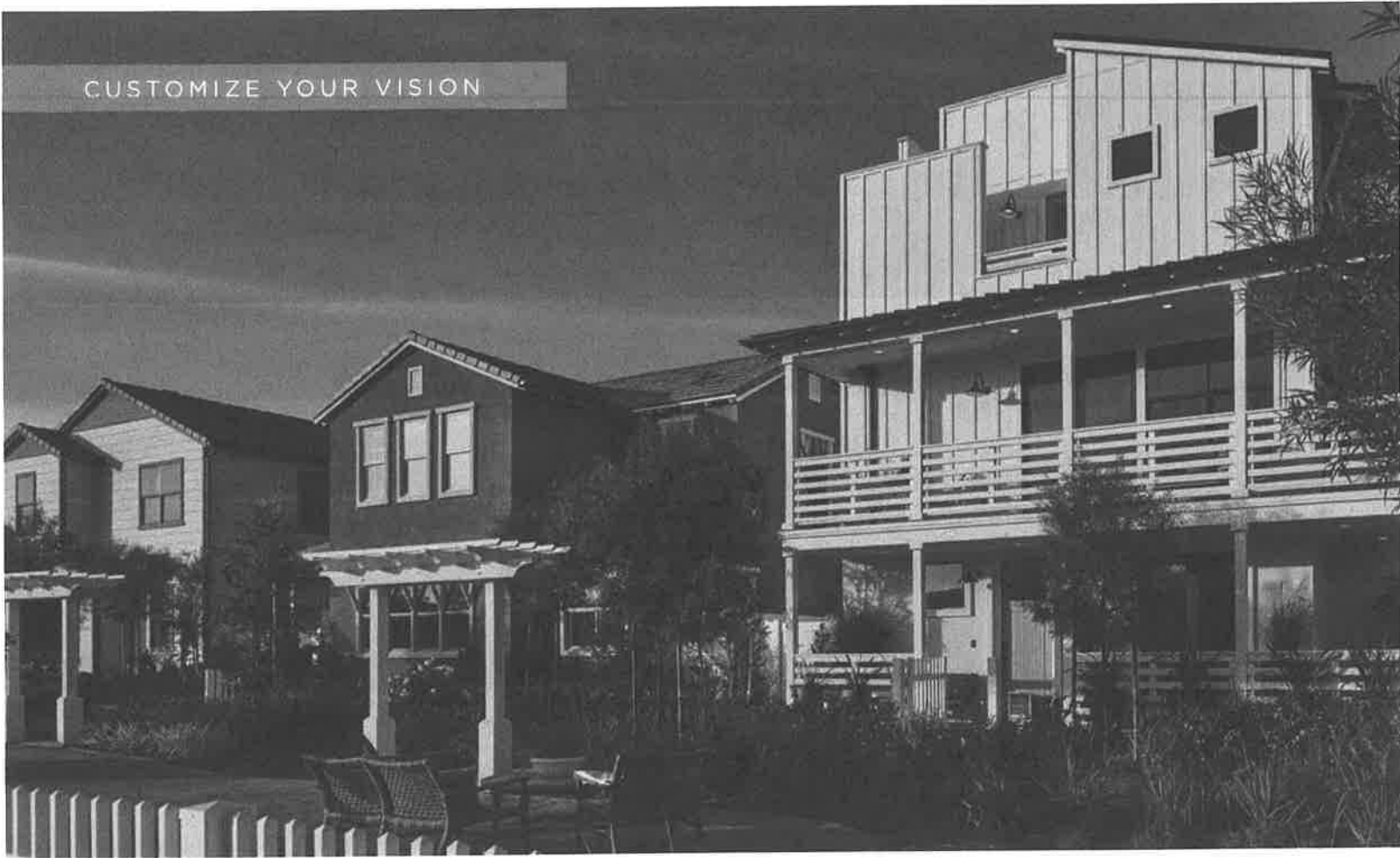


Sleek fold-down and nesting hardware



Multi-point sash lock

CUSTOMIZE YOUR VISION



Exterior/Interior Color Options

VINYL COLOR OPTIONS



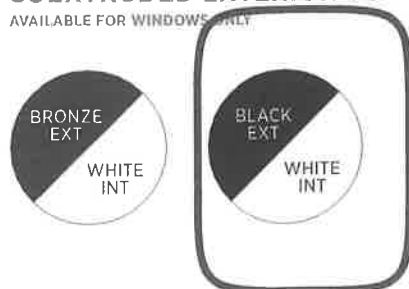
PAINTED & LAMINATED EXTERIOR COLOR OPTIONS



All painted exterior colors available with a white, sand or clay interior color
 *Laminated black and bronze exterior available on 960 Series sliding patio door only.

COEXTRUDED EXTERIOR COLOR OPTIONS

AVAILABLE FOR WINDOWS ONLY

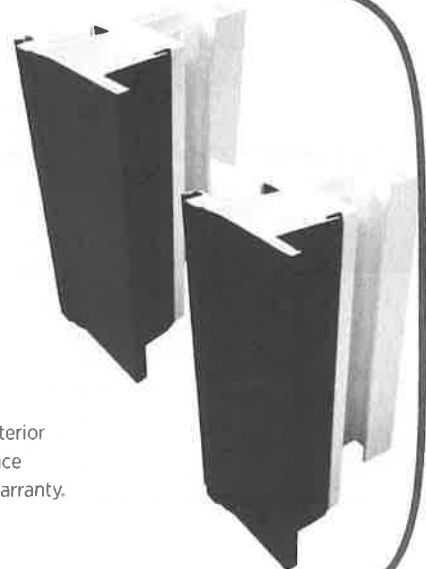


Geographically limited availability. Consult with your Ply Gem Windows & Doors representative.

Colors are reproduced as accurately as printer technology allows. Consult with your Ply Gem representative for actual samples.

COEXTRUSION TECHNOLOGY

Coextruded dark exterior colors for our vinyl windows have been formulated to meet the design and performance needs of the western United States. The coextrusion process molds the vinyl dark color and white color material together as the profile is created. This means the color is integral to the window and not an applied coating on the exterior surface. This durable, high performance color option is backed by a 15-year warranty.



Grille Options

GRILLE PROFILES

GBG = Grilles-between-the-glass SDL = Simulated-divided-lites

* SDL not available for garden windows



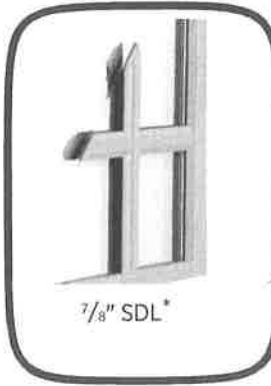
5/8" Flat GBG



5/8" Sculptured GBG



1" Sculptured GBG



7/8" SDL*



1 1/4" SDL*

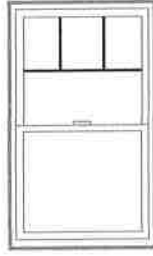
SELECTION OF POPULAR GRILLE PATTERNS



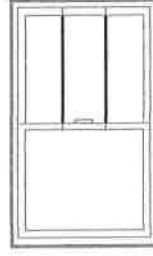
Colonial



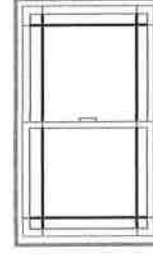
Half Colonial



Plaza



Three over One



Perimeter Prairie

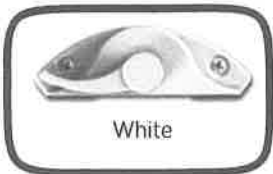
ADDITIONAL GRILLE PATTERNS AVAILABLE

Consult with your Ply Gem Windows & Door sales representative or visit plygem.com/windows for more details.

Window Lock Options

Color-matched single hung and sliding window hardware will coordinate with and complement your home décor. Cam action sash lock is standard or upgrade to AUTOLOCK which locks automatically when sash is closed.

CAM ACTION SASH LOCK



White



Sand



Clay



Standard dual cam-action sash lock provides security.

AUTOLOCK SASH LOCK



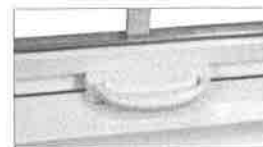
White



Sand



Clay



Optional AUTOLOCK locks automatically when unit is closed

Custom Sizing

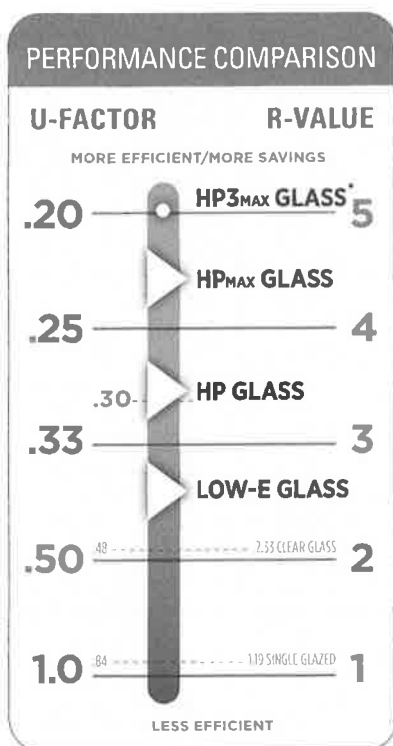
Ply Gem windows and patio doors can be ordered in 1/8 inch increments for any application providing a perfect fit every time. Custom sizing minimizes installation time and special trimming requirements.

Glass Options

- Low-E
- Low-E^{SC}
- Low-E2
- Low-E2MAX^{*}
- Low-E3MAX^{*}
- HP
- HP^{SC}
- HP2+
- HP2MAX^{*}
- HP3MAX^{*}
- Clear
- Tinted¹
- Obscure
- Tempered²
- Laminated (security)
- Sound Package (off-set glass)

* Low-E2MAX, Low-E3MAX, HP2MAX and HP3MAX are not available on all products. Consult with your Ply Gem Windows & Doors representative for a full list of glass thickness options and ratings.

1. Consult with your Ply Gem Windows & Doors representative for a complete list of tinted glass types.
2. Tempered glass standard on patio doors.



The lower the U-Factor, the greater the insulation value. R-Value is the inverse ($R=1/U$) of the U-Factor. Total Unit Factors determined per NFRC-100 (National Fenestration Rating Council). Chart shows relationship between performance and Ply Gem Windows & Doors glass package options, not including energy package upgrade.

*Ply Gem Windows & Doors HP3MAX glass products meet or exceed a U-Factor of 0.20 on fixed units & 0.22 on operating units.

Glass Packages

LOW-E GLASS PACKAGES

Our Low-E glass packages combine Low-E and Warm Edge spacer options, providing insulating glass options to meet your specific needs. Our Low-E glass packages provide better performance in regions with hot summers and cold winters. Our Low-E^{SC} (solar cooling) glass package is optimized for regions with significant indoor cooling and glare reduction requirements. Our Low-E glass packages can be combined with capillary tubes to address performance needs in high elevation applications.

Low-E = One lite of Low-E

Low-E^{SC} = One lite of solar cooling Low-E

Low-E2+ = One lite of Low-E and one lite of Interior Surface Low-E

Low-E2MAX[†] = Triple-pane with two lites of Low-E with an interior glass substrate

Low-E3MAX[†] = Triple-pane with two lites of Low-E and one lite of Interior Surface Low-E

[†] These glass packages are combined with capillary tubes to address performance needs in high elevation applications.

HP GLASS PACKAGES

Our HP glass packages combine Low-E with argon gas fill and Warm Edge spacer options, providing high-performance insulating glass options to meet your specific needs. Argon is a safe, odorless, colorless gas, which is heavier or denser than air. When used in conjunction with Low-E glass, argon provides better insulation. That's because heat and cold do not pass through argon gas as easily as through air. Argon is nontoxic and presents no human health or environmental concerns. HP glass package is also available in solar cooling (^{SC}) glass packages for regions with significant indoor cooling and glare reduction requirements.

HP = One lite of Low-E and argon gas fill

HP^{SC} = One lite of solar cooling optimized Low-E and argon gas fill

HP2+ = One lite of Low-E and one lite of Interior Surface Low-E with argon gas fill

HPMAX GLASS PACKAGES (triple-pane)

Our HPMAX glass packages are triple-pane units that combine Low-E with two chambers of argon gas fill and Warm Edge spacer options, providing enhanced high-performance insulating glass options to meet your specific needs.

HP2MAX = Triple-pane with two lites of Low-E with an interior glass substrate and two chambers of argon gas fill

HP3MAX = Triple-pane with two lites of Low-E and one lite of Interior Surface Low-E and two chambers of argon gas fill

TITLE 24

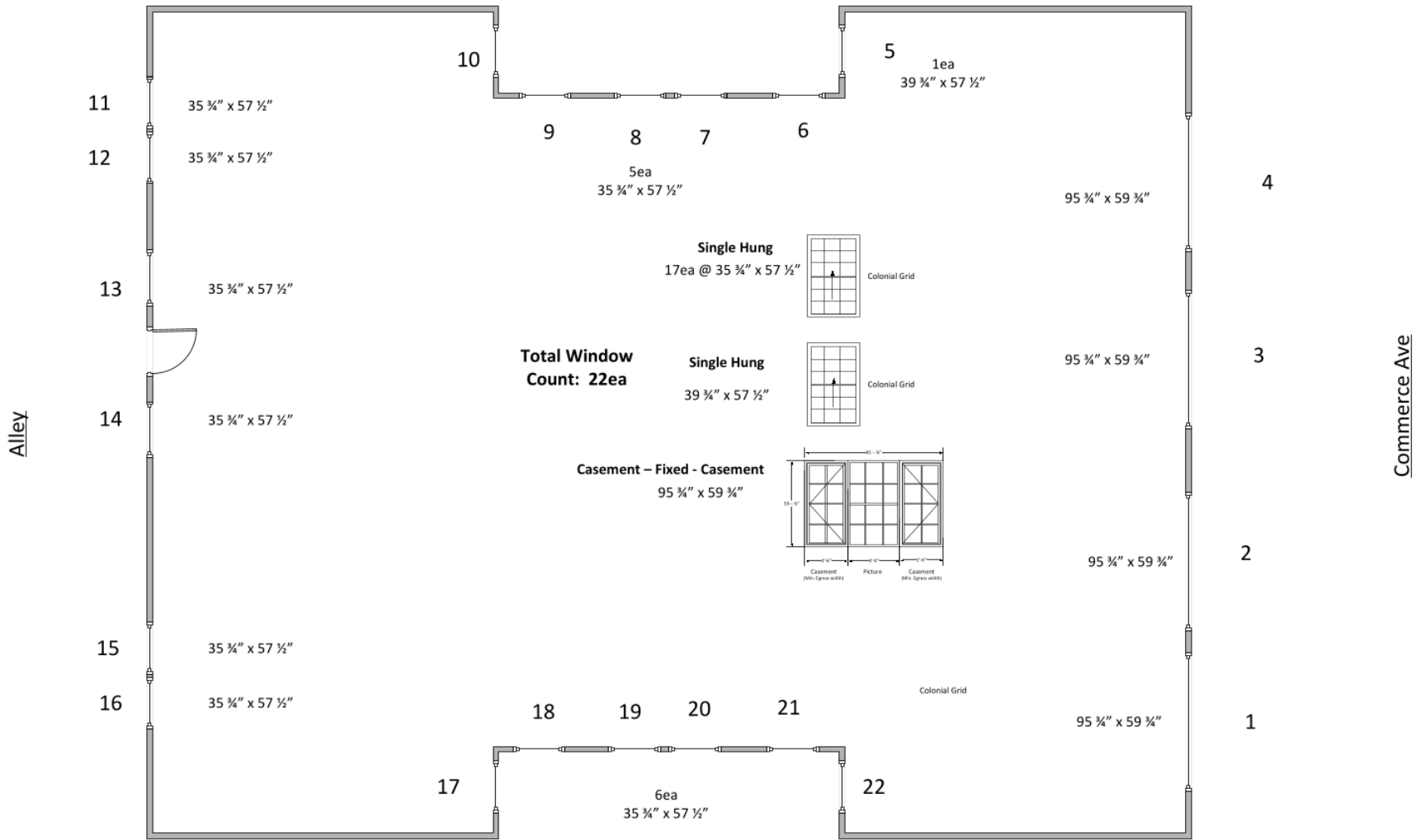
Most Ply Gem windows and doors in the west can be configured to meet or exceed the California Energy Commission's standards for Title 24 compliance. Consult with your Ply Gem Windows & Doors representative for more information.



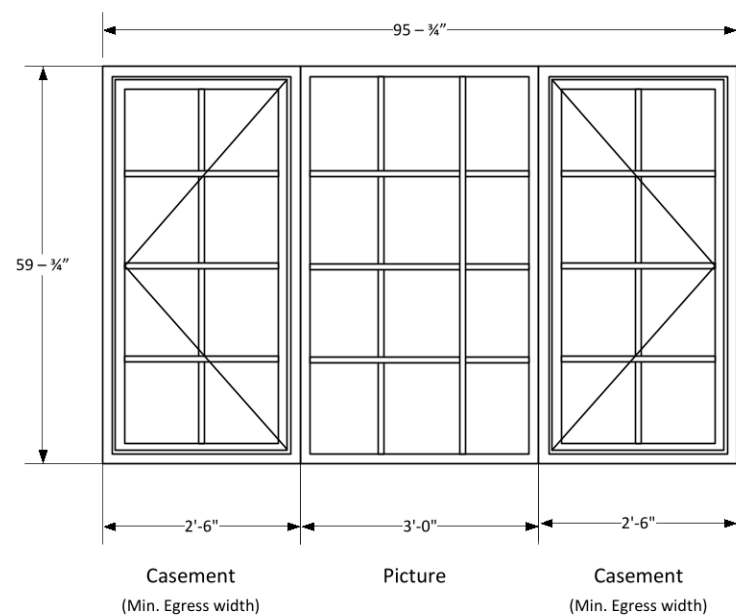
WINDOW: PRODUCT TYPE / SERIES	SLIDING		SINGLE HUNG		CASEMENT	AWNING	SINGLE HUNG BAY	CASEMENT BAY	SINGLE HUNG BOW	CASEMENT BOW	GARDEN	SHAPES
FRAME TYPE	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Frame Depth	3-7/16"	2-5/8"	3-7/16"	2-5/8"	3-7/16"	3-7/16"	3-7/16"	3-7/16"	3-7/16"	3-7/16"	2-5/8"	varies
1" Nailing Fin	■	■	■	■	■	■	■	■	■	■	■	■
1" Nailing Fin with J-Channel	■	■	■	■	■	■	■	■	■	■	■	■
1" Nailing Fin with Stucco Key	■	■	■	■	■	■	■	■	■	■	■	■
1-3/8" Nailing Fin	■	■	■	■	■	■	■	■	■	■	■	■
1-3/8" Nailing Fin with Stucco Key	■	■	■	■	■	■	■	■	■	■	■	■
Single-wall Flush Flange	■	■	■	■	■	■	■	■	■	■	■	■
Dual-wall Flush Flange	■	■	■	■	■	■	■	■	■	■	■	■
Block Frame	■	■	■	■	■	■	■	■	■	■	■	■
Flush Fin	■	■	■	■	■	■	■	■	■	■	■	■
FRAME DIMENSIONS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Maximum Width	96"	72"	48"	48"	36"	60"	96"	120"	72"	84"	72"	varies
Maximum Height	72"	60"	84"	72"	72"	36"	72"	72"	84"	84"	48"	varies
COLOR EXTERIOR / INTERIOR	200	400	200	400	700	700	200	700	200	700	400	SHAPES
White/White	■	■	■	■	■	■	■	■	■	■	■	■
Sand/Sand	■	■	■	■	■	■	■	■	■	■	■	■
Clay/Clay	■	■	■	■	■	■	■	■	■	■	■	■
Coextruded Bronze/White	■	■	■	■	■	■	■	■	■	■	■	■
Coextruded Black/White	■	■	■	■	■	■	■	■	■	■	■	■
Painted Silver/White	■	■	■	■	■	■	■	■	■	■	■	■
Painted Bronze/White	■	■	■	■	■	■	■	■	■	■	■	■
Painted Black/White	■	■	■	■	■	■	■	■	■	■	■	■
GLASS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Low-E	■	■	■	■	■	■	■	■	■	■	■	■
Low-E ^{SC}	■	■	■	■	■	■	■	■	■	■	■	■
Low-E ^{PS}	■	■	■	■	■	■	■	■	■	■	■	■
Low-E2+ ^{PS}	■	■	■	■	■	■	■	■	■	■	■	■
Low-E High Altitude	■	■	■	■	■	■	■	■	■	■	■	■
Low-E ^{SC} High Altitude	■	■	■	■	■	■	■	■	■	■	■	■
HP	■	■	■	■	■	■	■	■	■	■	■	■
HP ^{SC}	■	■	■	■	■	■	■	■	■	■	■	■
HP ^{PS}	■	■	■	■	■	■	■	■	■	■	■	■
HP2+	■	■	■	■	■	■	■	■	■	■	■	■
HP2+ ^{PS}	■	■	■	■	■	■	■	■	■	■	■	■
HP2 ^{Max}	■	■	■	■	■	■	■	■	■	■	■	■
HP3 ^{Max}	■	■	■	■	■	■	■	■	■	■	■	■
Title 24 Compliance Option	■	■	■	■	■	■	■	■	■	■	■	■
PATTERN GLASS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Clear Crossreed	■	■	■	■	■	■	■	■	■	■	■	■
Delta Frost	■	■	■	■	■	■	■	■	■	■	■	■
Flemish	■	■	■	■	■	■	■	■	■	■	■	■
Gluechip	■	■	■	■	■	■	■	■	■	■	■	■
Narrow Reed	■	■	■	■	■	■	■	■	■	■	■	■
Obscure	■	■	■	■	■	■	■	■	■	■	■	■
Rain	■	■	■	■	■	■	■	■	■	■	■	■
Satin Etched	■	■	■	■	■	■	■	■	■	■	■	■
GRILLE TYPES	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Grilles Between Glass (GBG)	■	■	■	■	■	■	■	■	■	■	■	■
5/8" Flat GBG	■	■	■	■	■	■	■	■	■	■	■	■
5/8" Sculptured GBG	■	■	■	■	■	■	■	■	■	■	■	■
1" Sculptured GBG	■	■	■	■	■	■	■	■	■	■	■	■
Simulated Divided Lite (SDL)	■	■	■	■	■	■	■	■	■	■	■	■
7/8" SDL with Shadow Bar	■	■	■	■	■	■	■	■	■	■	■	■
1-1/4" SDL with Shadow Bar	■	■	■	■	■	■	■	■	■	■	■	■
2" SDL with Shadow Bar	■	■	■	■	■	■	■	■	■	■	■	■
2" Horizontal & 1-1/4" Vertical SDL w/ Shadow Bar	■	■	■	■	■	■	■	■	■	■	■	■
GRILLE PATTERNS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Colonial	■	■	■	■	■	■	■	■	■	■	■	■
Prairie	■	■	■	■	■	■	■	■	■	■	■	■
Double Prairie	■	■	■	■	■	■	■	■	■	■	■	■
Marginal Prairie	■	■	■	■	■	■	■	■	■	■	■	■
Perimeter Prairie	■	■	■	■	■	■	■	■	■	■	■	■
Plaza	■	■	■	■	■	■	■	■	■	■	■	■
Fractional	■	■	■	■	■	■	■	■	■	■	■	■
HARDWARE	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Cam Action Sash Lock	■	■	■	■	■	■	■	■	■	■	■	■
AUTOLOCK	■	■	■	■	■	■	■	■	■	■	■	■
	SLIDING		SINGLE HUNG		CASEMENT	AWNING	SINGLE HUNG BAY	CASEMENT BAY	SINGLE HUNG BOW	CASEMENT BOW	GARDEN	SHAPES

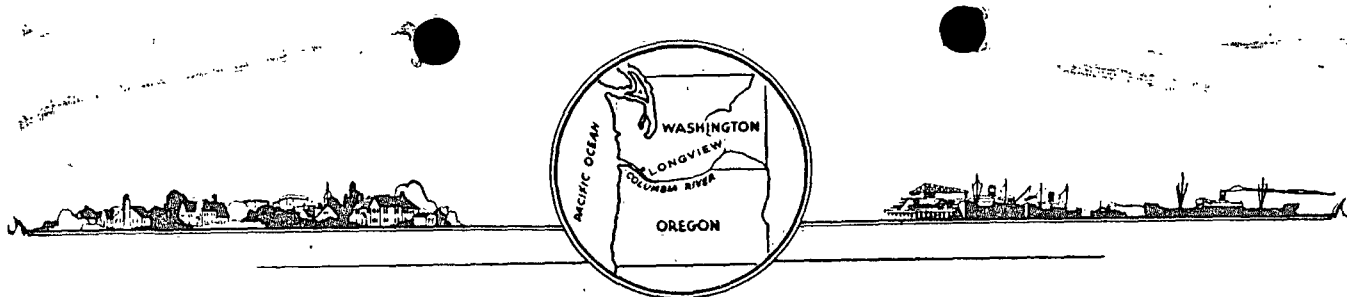
* 12 sq ft max

1164 - Commerce Ave WINDOW Floor PLAN



Commerce Street Side Windows





THE CITY OF LONGVIEW

FOUNDED 1923

LONGVIEW WASHINGTON 98632

July, 23 1991

Larry Wilhelmsen
2251 Cascade Way
Longview, WA 98632

Re: Tyni Building Historic Marker

Dear Larry:

Thank you for your patience during the past several weeks while we purchased and prepared the installation materials for the Historic Plaque you recently received. Historic Preservation Commission member John Chilson has been graciously and diligently assembling the necessary materials, and has offered to install the plaques.

The cost of the plaque is \$56 (check payable to the City of Longview) and \$7.50 for installation materials (made payable to John Chilson). Please send the two checks to:

Planning & Building Department
c/o Julie Hourcle'
City of Longview
P.O. Box 128
Longview, WA 98632

The enclosed information will assist you in considering a location for your new marker. We look forward to working with you very soon, and again, thank you for your patience.

Sincerely,

Julie Hourcle'
Assistant Planner

**TYNI BUILDING
1166 COMMERCE**

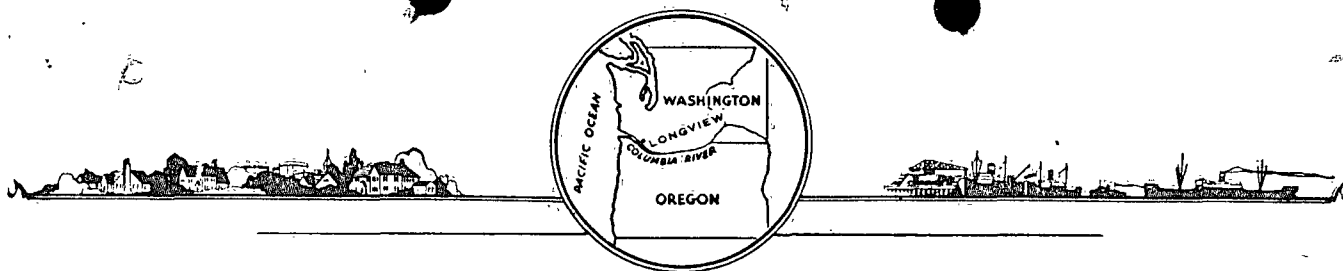
The Tyni building, at 1166 Commerce, dates back to the early years of development along Commerce Avenue, the city's first and dominant commercial street. The lot on which it is located was purchased from the Longview Company, the real estate arm of the Long-Bell lumber company by J.D. Tyni and the building was constructed in 1925.

The building combines both retail space, with three bays on the first floor, and apartments, with six units on the second. In the 1929 city directory, we find it listed as the Tyni Building with J.H. Kelley plumbing occupying the central retail bay. The building has had a variety of retail businesses, such as Scruples Hair Styling and Commerce Professional Services. It was also known as the Jean Ann Apartments for many years.

Its significance is both historical and architectural. The building is representative of the many commercial structures built in the business district during Longview's settlement and also of the many commercial buildings financed by small private investors in the open industrial city being developed by the Long-Bell Lumber Company. The Tyni building is related to city planning efforts by its position within the business district, and by its conformance with deed restrictions requiring a 17 foot, 6 inch minimum ground story ceiling height and second story.

Architecturally the building is significant for its Classical Revival style and the use of classical elements of constructions such as pilaster, architrave and cornice. Of particular note are the mezzanine windows which are good examples of the effect these windows had on the looks of early buildings in downtown Longview, and the four columns setting off the three original retail bays.

It is currently owned by the aptly named Future Developments represented here today by Larry Wilhelmsen.



THE CITY OF LONGVIEW

FOUNDED 1923

LONGVIEW WASHINGTON 98632

June 22, 1990

Larry Wilhelmsen
Future Developments, Inc.
2251 Cascade Way
Longview, WA 98632

Dear Mr. Wilhelmsen:

Congratulations on your recent listing to the Longview Historic Register. Enclosed is a list of Significant Historic Features of the Tyni Building, 1166 Commerce Ave. which was developed by the Historic Preservation Commission Members. This information, together with the Secretary of Interior Rehabilitation Guidelines, should be used as a resource for you to preserve, maintain, and restore the original historic features.

Future improvements to your property other than routine maintenance, need to be reviewed and approved by the Commission before work proceeds. At that time, the Commission will issue a "Certificate of Appropriateness". The Historic Preservation Commission will be happy to assist you in providing technical advice and information for your project. Please contact me early in your project planning and design stage so that any questions and/or concerns can be answered.

Sincerely,

CITY OF LONGVIEW

Julie Hourcle, Assistant Planner

JH:ss

Enclosure

LONGVIEW REGISTER OF HISTORIC PLACES

TYNI BUILDING

1166 Commerce

Significant Historic Features

A. Exterior

1. Features that should be Preserved and Maintained

Mezzanine windows

Original dimensions and styles

Two retail bays

Four columns

Wooden door to upstairs

Wooden windows on second floor, side and rear

2. Features that would be Desirable to Restore to the Original

Wooden windows, second floor front

Removal of excess iron, sign frames

B. Interior

1. Features that should be Preserved and Maintained

Door and window casings

Moldings below ceiling

Sky lights

Back stairs

Wood trim, original cupboards

2. Features that would be Desirable to Restore to the Original

C. Non-Historic Additions

D. Special Notes

Significant Historic Features

LONGVIEW REGISTER OF HISTORIC PROPERTIES

CRITERIA CHECKLIST

TYNI BUILDING

1166 COMMERCE

A. Classification

- ☒ Building
- ☐ Structure
- ☐ Site
- ☐ Object
- ☐ District

B. Significant Association

- ☒ Historical
- ☒ Architectural
- ☐ Archaeology
- ☐ Cultural
- ☒ Community Heritage

C. Integrity

- ☒ Location
- ☒ Design
- ☒ Setting
- ☐ Materials
- ☐ Workmanship
- ☐ Feeling
- ☐ Association

D. Age

- ☒ Over 50 Years Old
 - ☐ Under 50 Years Old
- (Note Exceptional Importance)
-
-
-

E. Criteria/Association

- ☐ 1. Is associated with events that have made a significant contribution to the broad patterns of national, state, or local history.
- ☒ 2. Embodies the distinctive architectural characteristics of a type, period, style, or method of design or construction, or represents a significant and distinguishable entity whose components may lack individual distinction;
- ☐ 3. Is an outstanding work of a designer, builder, or architect who has made a substantial contribution to the art;
- ☒ 4. Exemplifies or reflects special elements of the City's cultural, social, economic, political, aesthetic, engineering, or architectural history;
- ☐ 5. Is associated with the lives of persons significant in national, state, or local history;

- ___6. Has yielded or may be likely to yield important archaeological information related to history or prehistory;
- ___7. Is a building or structure removed from its original location but which is significantly associated with a historic person or event;
- ___8. Is a birthplace or grave of a historical figure of outstanding importance and is the only surviving structure or site associated with that person;
- ___9. Is a cemetery which derives its primary significance from age, from distinctive design features, or from association with historic events, or cultural patterns;
- ___10. Is a reconstructed building that has been executed in a historically accurate manner on the original site;
- ___11. Is a creative and unique example of folk architecture and design created by persons not formally trained in the architectural or design professions, and which does not fit into formal architectural or historical categories.

SURVEY-INVENTORY FORM
COMMUNITY CULTURAL RESOURCE SURVEY

1. NAME Tyni Building
Historic

and/or Common

2. LOCATION
Street & Number 1166 Commerce Avenue

UTM References:

Zone Easting
Northing

- not for publication

City, Town Longview
- vicinity of

State Washington County Cowlitz

3. CLASSIFICATION

Ownership: public private both

Status: occupied unoccupied work in progress

Present Use: agriculture commercial educational entertainment government
industrial military museum park private residence
religious scientific transportation other:

4. OWNER OF PROPERTY

Name Future Developments

Street & Number c/o L. A. Wilhelmsen, 2251 Cascade Way

City, Town Longview State Washington
- vicinity of 98632

5. MAJOR BIBLIOGRAPHICAL REFERENCES

Long-Bell Files. Longview History Room. Longview Public Library. Longview. 1985
Longview City Directory. R.L. Polk & Co. Seattle. 1929. Deposited in Longview
Public Library. Longview. 1985

6. FORM PREPARED BY

Name/Title Michael L. Neuschwanger, Architectural Historian

Organization City of Longview Date March 22, 1985
Urban Services & Permits Department

Street & Number 1525 Broadway Telephone 577-3330

City or Town Longview State Washington

7. DESCRIPTION

Condition: excellent good fair deteriorated ruins unexposed
Circle one: unaltered altered
Circle one: original site moved date _____

Describe the present and original (if known) physical appearance
attach photo

The Tyni Building occupies a row slot, fronting Commerce Avenue to the west. The building abut a contemporary one story structure on its southern side, a gas station on its northern side and an alley to the rear. The two story building, 50 feet wide by 76 feet deep is like others on the avenue, in type and organization. Three bays in width, the columnar ground story shop bays are transomed, indicative of a mezzanine level. The planar second story wall is punctuated by four openings into residential apartments. The second floor is H-shaped, with light courts on the north and south sides. The building entry and stair hall is located in the central bay, slipped in along the northern edge of the structural bay.

The perimeter walls are masonry with an interior structural bay system of wood post and beam. The street elevation is faced in tan colored brick, laid up in common bond and accented in brick work of a darker buff color. Some of the architectural elements such as pilasters, lintels and panels are articulated by patterned brickwork. The second floor belt course, the continuous second story window sill and the projecting building cornice are constructed in concrete.

(see continuation sheet)

Verbal boundary description:

Lot 23, Block 78,
Longview Addn. #10
50' X 120'

Acreage: Less than One Acre

8. SIGNIFICANCE

Specific dates 1925 ¹

Builder/Architect

Level of significance: local

a. History

The Tyni Building, financed by J. V. Tyni on a lot purchased from the Longview Real Estate Company a division of Long-Bell Company. It was constructed within the first two years of Longview's settlement on Commerce Avenue, the city's first and dominant commercial street. The building is listed in the 1929 City Directory as the Tyni Apartments. In the same directory, two of the ground story slots are listed as vacant. The central retail bay was occupied by J. H. Kelley Plumbing, a local firm which has remained active in Longview throughout its history.

The building is currently used as it was originally, with ground story retail space, and upper story apartments. The facade retains a high degree of integrity with regard to its original appearance.

b. Evaluation of Significance

The Tyni Building is significant for its simple Classical detailing which is representative of many commercial structures built in the Business District during Longview's settlement. It is also representative of the many commercial buildings financed by small private investors in open industrial city being developed by the Long-Bell Lumber Company. The building is related to city planning efforts by its position within the Business District, and by its conformance with deed restrictions requiring a 17 foot, 6 inch minimum ground story ceiling height and a second story.

¹ Building permit filed 4-22-1925 in the name of J. V. Tyni shows a masonry building to be built, valued at \$23,000 at 1162 Commerce Avenue.

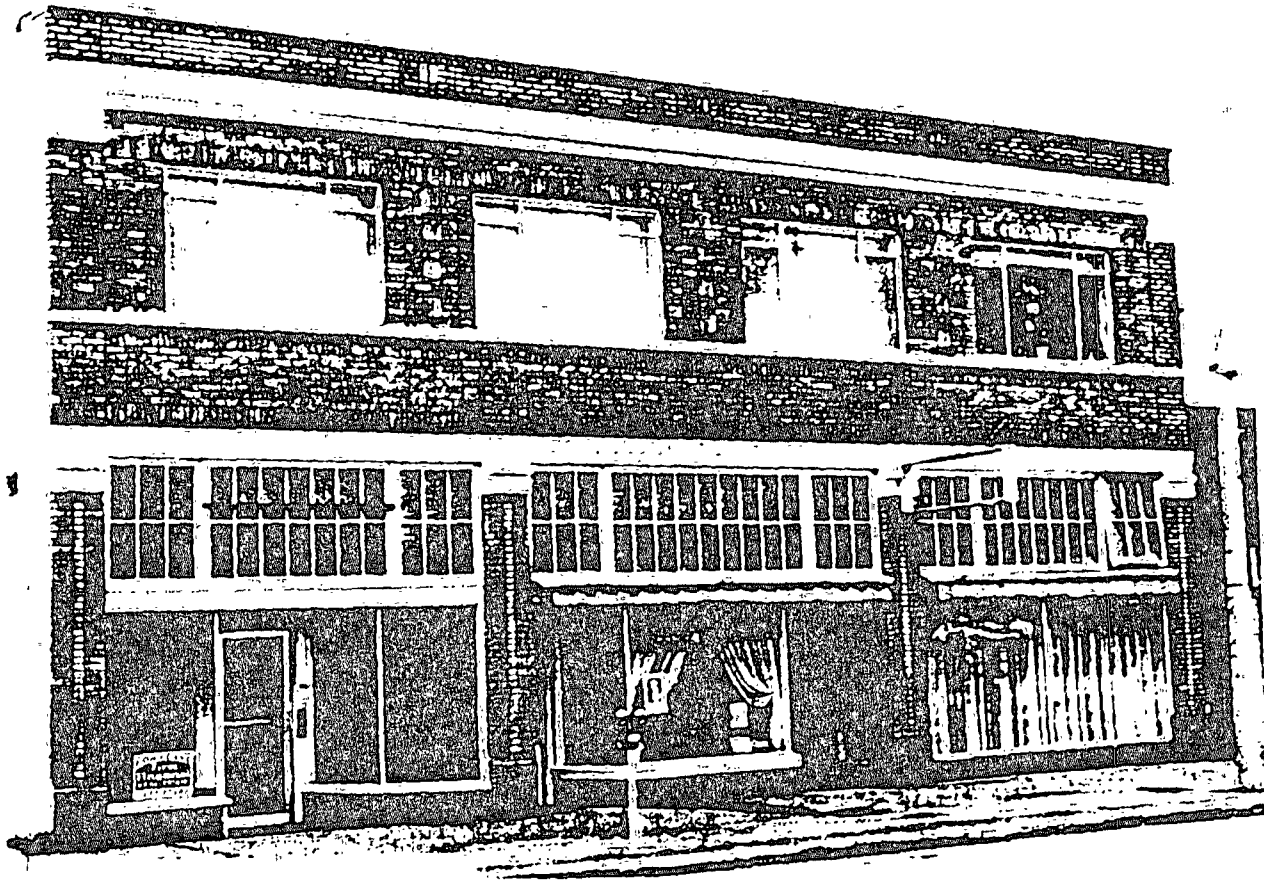
SURVEY-INVENTORY FORM
CONTINUATION SHEET

1. NAME Tyni Building

7. DESCRIPTION - continued

The building is characterized by the Classical Revival style, by the use of classical elements of construction, such as pilaster, architrave and cornice. However, the proportion of elements such as windows, as well as the overall proportions of the elevation are relatively modern in feeling.

Ground story pilasters are trimmed with tan colored stretchers laid up in stacks, flanking a central stack of accent buff headers. The pilasters terminate in simple concrete capitals and a second floor architraval belt course, from which slightly projecting brick pilaster strips continue. The two central pilaster strips terminate at the second story's continuous window sill. At the corners the pilaster strips terminate at the cornice. Over the second story openings, a continuous course of stretchers is indicative of a lintel. The jambs of the openings are trimmed by stacked stretchers. The second story wall is subdivided into panels, by the architectural elements and further articulated by soldier courses and stacked headers. Within each bay, the ground story transom windows feature a large central sash of fourteen panes, flanked by smaller sash of six panes, of wood construction. Below the transom beam, the northern two retail bays retain their original spatial conditions, with recessed entries, and large plate glass windows set on kickplates with wood trim. The southern bay appears to have been altered, without a recessed entry in the bay, (inset bays within each shop bay were a pervasive feature in the commercial district during settlement) and with a shorter kickplate. Within the northern retail bays, only the building entry retains the original lighted door, of wood construction. Second story windows have been removed and replaced by aluminum frames. The interior of the ground and second stories, while altered, retain most of the original spatial character, some of the plaster walls and wood trim.



Tyni Building, 2 of 2
Longview, the Planned City
Longview, Washington

Michael L. Neuschwanger
May 1985
City of Longview
Longview, Washington

North and west elevations

102 of 104

LONGVIEW HISTORIC PROPERTY INVENTORY FORM

TYNI BUILDING

MAP LOCATION NUMBER 31 DISTRICT CBD



STREET ADDRESS 1166 Commerce

NAME OF OWNER Larry A. Wilhelmsen

OWNER'S ADDRESS: CITY 2251 Cascade Way
Longview STATE WA ZIP 98632

SEC/TWP/R: 33/8N/2W PARCEL NUMBER 05195

BLOCK 78 LOT 23 ZONING C-2

SOURCE: Longview Building Department

CATEGORY Commercial/ STATUS Occupied CURRENT USE Retail/Office/
Apartments Apartments

IS SITE ENDANGERED No SOURCE, IF YES _____

CONDITION Good ALTERED _____ UNALTERED X

DATE OF CONSTRUCTION 1924 STYLE Commercial Vernacular

ARCHITECT/BUILDER J. V. Tyni ORIGINAL USE Retail/Apartments

DATE PREPARED 6-30-88 BY WHOM J. B. Siipola

DESCRIPTION OF STRUCTURE:

The mezzanine level windows of the Tyni Building are good examples of the effect these windows had on the looks of early buildings in downtown Longview. They are still in use today and are of their original dimension and style. The building is a two story brick building with two retail bays. This is a change from the original three bays. The second story windows in the apartments have been modernized with aluminum windows. The cornice is in good repair as is the brick. The kickplate material is not original and has been modernized. The original bays are set off by four columns, which remain an integral part of this building.

SIGNIFICANCE:

Placed on the National Register in 1985. Large mezzanine windows still intact.

HISTORY:

The Tyni Building was listed on the National Register in 1985. It is representative of the commercial buildings built on speculation during the early days of Longview and remains in use today in both its retail and apartment uses.

REFERENCES:

National Register Nomination, Michael Neuschwanger, 1985
Longview Building Department
Longview Public Library

HISTORIC PROPERTY INVENTORY FORM

IDENTIFICATION SECTION

Field Site No. 31 OAHB No. _____ Date Recorded 4-25-88
 Site Name Historic Tyng Bldg.
 Common _____
 Field Recorder R.B. Siipola
 Owner's Name Larry A. Wilhelmsen
 Address 2251 Cascade Way
 City/State/Zip Code Longview, WA 98632

Status

☐ Survey/Inventory
☒ National Register
☐ State Register
☐ Determined Eligible
☐ Determined Not Eligible
☐ Other (HABS, HAER, NHL)
☐ Local Designation

PHOTOGRAPHY

2/3
 Photography Neg No. _____
 (Roll No. & Frame No.)
 View East
 Date 27 June 88

Classification ☐ District ☐ Site ☒ Building ☐ Structure ☐ Object
 District Status ☐ NR ☐ SR ☐ LR ☐ INV
 Contributing ☐ Non-Contributing
 District/Thematic Nomination Name Civic, Cultural, Commercial Resources of Longview

DESCRIPTION SECTION

Materials & Features/Structural Types

Building Type Retail/Apartments

Plan Rectangular

Structural System Reinforced Concrete

No. of Stories 2

Cladding (Exterior Wall Surfaces)

☐ Log
☐ Horizontal Wood Siding
☐ Rustic/Drop
☐ Clapboard
☐ Wood Shingle
☐ Board and Batten
☐ Vertical Board
☐ Asbestos/Asphalt
☒ Brick
☐ Stone
☐ Stucco
☐ Terra Cotta
☐ Concrete/Concrete Block
☐ Vinyl/Aluminum Siding
☐ Metal (specify) _____
☐ Other (specify) _____

Roof Type

☐ Gable ☐ Hip
☒ Flat ☐ Pyramidal
☐ Monitor ☐ Other (specify) _____
☐ Gambrel
☐ Shed

Roof Material

☐ Wood Shingle
☐ Wood Shake
☒ Composition
☐ Slate
☐ Tar/Built Up
☐ Tile
☐ Metal (specify) _____
☐ Other (specify) _____
☐ Not visible

Foundation

☐ Log
☐ Post & Pier
☐ Stone
☐ Brick
☐ Not visible
☒ Concrete
☒ Block
☐ Poured
☐ Other (specify) _____

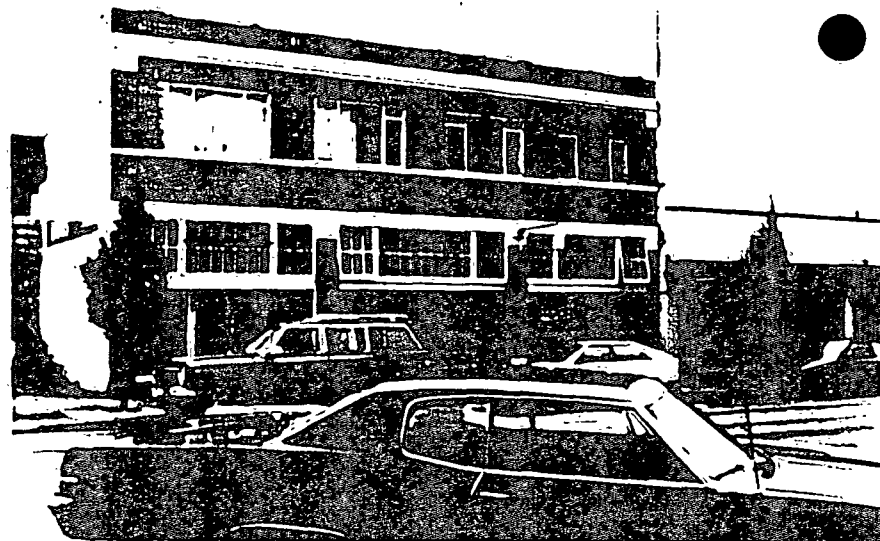
Integrity (Include detailed description in Description of Physical Appearance)

	Intact	Slight	Moderate	Extensive
Changes to plan	☒			
Changes to windows			☒	
Changes to original cladding	☒			
Changes to interior	☒			
Other (specify) _____				

State of Washington, Department of Commerce Development
 Office of Archaeology and Historic Preservation
 111 West 21st Avenue, KL-11
 Olympia, WA 98504 (206) 753-4011

LOCATION SECTION

Address 1166 Commerce
 City/Town/County/Zip Code Longview/ Cowlitz/ 98632
 Twp. 8N Range 2W Section 33 1/4 Section NE 1/4 Section SE
 Tax No./Parcel No. 05195 Acreage less than 1
 Quadrangle or map name Kelso 7.5 min
 UTM References Zone 10 Easting 505120 Northing 5108880
 Plat/Block/Lot Longview 10/78/23
 Supplemental Map(s) Longview Plat No. 2



High Styles/Forms (check one or more of the following)

☐ Greek Revival	☐ Spanish Colonial Revival/Mediterranean
☐ Gothic Revival	☐ Tudor Revival
☐ Italianate	☐ Craftsman/Arts & Crafts
☐ Second Empire	☐ Bungalow
☐ Romanesque Revival	☐ Prairie Style
☐ Stick Style	☐ Art Deco/Art Moderne
☐ Queen Anne	☐ Rustic Style
☐ Shingle Style	☐ International Style
☐ Colonial Revival	☐ Northwest Style
☐ Beaux Arts/Neoclassical	☒ Commercial Vernacular
☐ Chicago/Commercial Style	☐ Residential Vernacular (see below)
☐ American Foursquare	☐ Other (specify) _____
☐ Mission Revival	

Vernacular House Types

☐ Gable front	☐ Cross gable
☐ Gable front and wing	☐ Pyramidal/Hipped
☐ Side gable	☐ Other (specify) _____

IVE SECTION

dy Unit Themes (check one or more of the following)

- | | | |
|--|--|--|
| ☐ Agriculture | ☐ Conservation | ☐ Politics/Government/Law |
| ☐ Architecture/Landscape Architecture | ☐ Education | ☐ Religion |
| ☐ Arts | ☐ Entertainment/Recreation | ☐ Science & Engineering |
| ☒ Commerce | ☐ Ethnic Heritage (specify) _____ | ☐ Social Movements/Organizations |
| ☐ Communications | ☐ Health/Medicine | ☐ Transportation |
| ☐ Community Planning/Development | ☐ Manufacturing/Industry | ☐ Other (specify) _____ |
| | ☐ Military | ☐ Study Unit Sub-Theme(s) (specify) _____ |

Statement of Significance

Date of Construction 1924 Architect/Engineer/Builder J. V. Tyni

- ☒ In the opinion of the surveyor, this property appears to meet the criteria of the National Register of Historic Places
- ☐ In the opinion of the surveyor, this property is located in a potential historic district (National and/or local).

The Tyni Building was listed on the National Register in 1985. It is representative of the commercial buildings built on speculation during the early days of Longview and remains in use today in both its retail and apartment uses.

Description of Physical Appearance

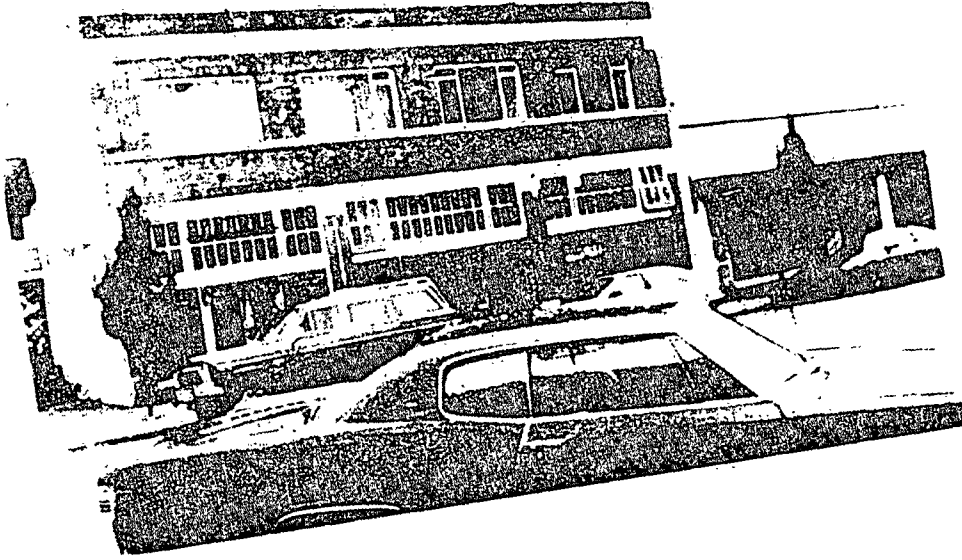
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Major Bibliographic References

Longview Building Department
Public Library

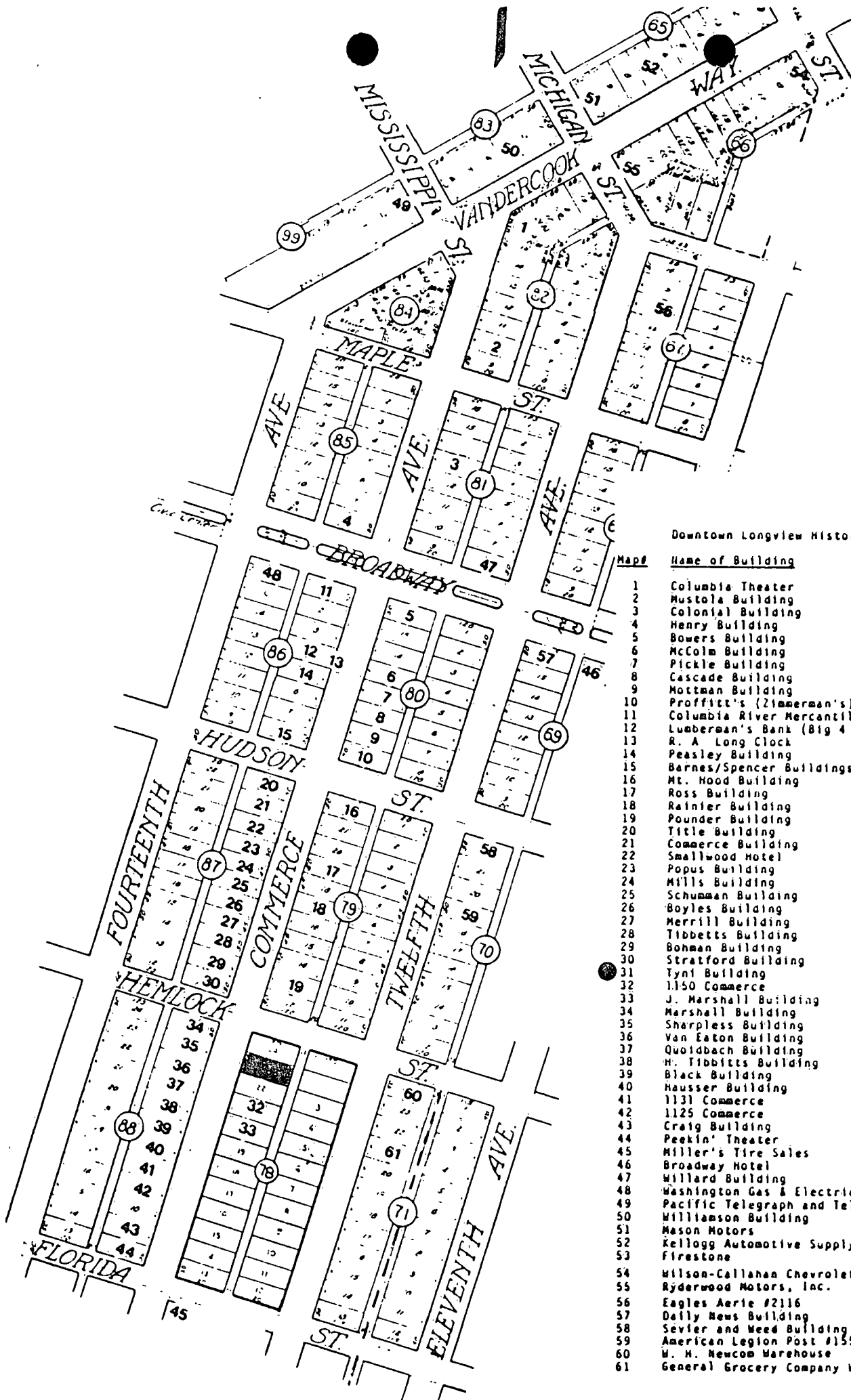
National Register Nomination, Michael Neuschwanger, 1985

CURRENT PHOTOGRAPH
DATE:



EARLY PHOTOGRAPH
DATE:

No photo available



Downtown Longview Historic Properties

Map#	Name of Building	Year Built
1	Columbia Theater	1925
2	Mustola Building	1925
3	Colonial Building	1923
4	Henry Building	1924
5	Bowers Building	1927
6	McColm Building	1925
7	Pickle Building	1923
8	Cascade Building	1925
9	Mottman Building	1926
10	Proffitt's (Zimmerman's)	1938
11	Columbia River Mercantile	1923
12	Lumberman's Bank (Big 4 Furniture)	1923
13	R. A Long Clock	1926
14	Peasley Building	1924
15	Barnes/Spencer Buildings	1923
16	Mt. Hood Building	1923
17	Ross Building	1923
18	Rainier Building	1924
19	Pounder Building	1925
20	Title Building	1923
21	Commerce Building	1923
22	Smallwood Hotel	1924
23	Popus Building	1924
24	Mills Building	1926
25	Schuman Building	1926
26	Boyles Building	1925
27	Merrill Building	1928
28	Tibbets Building	1923
29	Bohman Building	1929
30	Stratford Building	1926
31	Tyni Building	1924
32	1150 Commerce	1931
33	J. Marshall Building	1938
34	Marshall Building	1937
35	Sharpless Building	1923
36	Van Eaton Building	1923
37	Quidbach Building	1923
38	H. Tibbets Building	1928
39	Black Building	1934
40	Hausser Building	1925
41	1131 Commerce	1925
42	1125 Commerce	1925
43	Craig Building	1926
44	Peekin' Theater	1924
45	Miller's Tire Sales	1926
46	Broadway Hotel	1923
47	Willard Building	1924
48	Washington Gas & Electric	1924
49	Pacific Telegraph and Telephone Building	1928
50	Williamson Building	1923
51	Mason Motors	1923
52	Kellogg Automotive Supply	1928
53	Firestone	1929
54	Wilson-Callahan Chevrolet	1928
55	Ryderwood Motors, Inc.	1926
56	Eagles Aerie #2116	1923
57	Daily News Building	1923
58	Sevier and Weed Building	1925
59	American Legion Post #155	1923
60	W. H. Newcom Warehouse	1924
61	General Grocery Company Warehouse	1928



A NEW POINT OF VIEW

WEST VINYL

NEW CONSTRUCTION/REPLACEMENT

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LOOKS THAT LAST. STYLES THAT STAND OUT.

WHEN IT COMES TO WINDOWS, **WE LEAD THE WAY.**



As the #1 manufacturer of windows in North America, you'll see more than 75 years of craftsmanship, innovation and dedication in every Ply Gem window and door.

Trusted by professionals and homeowners alike, we deliver windows and doors that easily install and provide years of comfort, energy efficiency and protection from the elements. Whether you're building a home or reimagining one, we have the window and door styles with advanced features to help bring your vision to life.

 **Ply Gem**[®]
WINDOWS & DOORS



#1 WINDOW MANUFACTURER

IN NORTH AMERICA



Backed by industry-leading warranties, all products are designed and tested for strength, durability, energy efficiency and overall performance



Innovative energy-efficient glass package options for the energy performance, comfort and weather resistance needs and requirements of the western United States



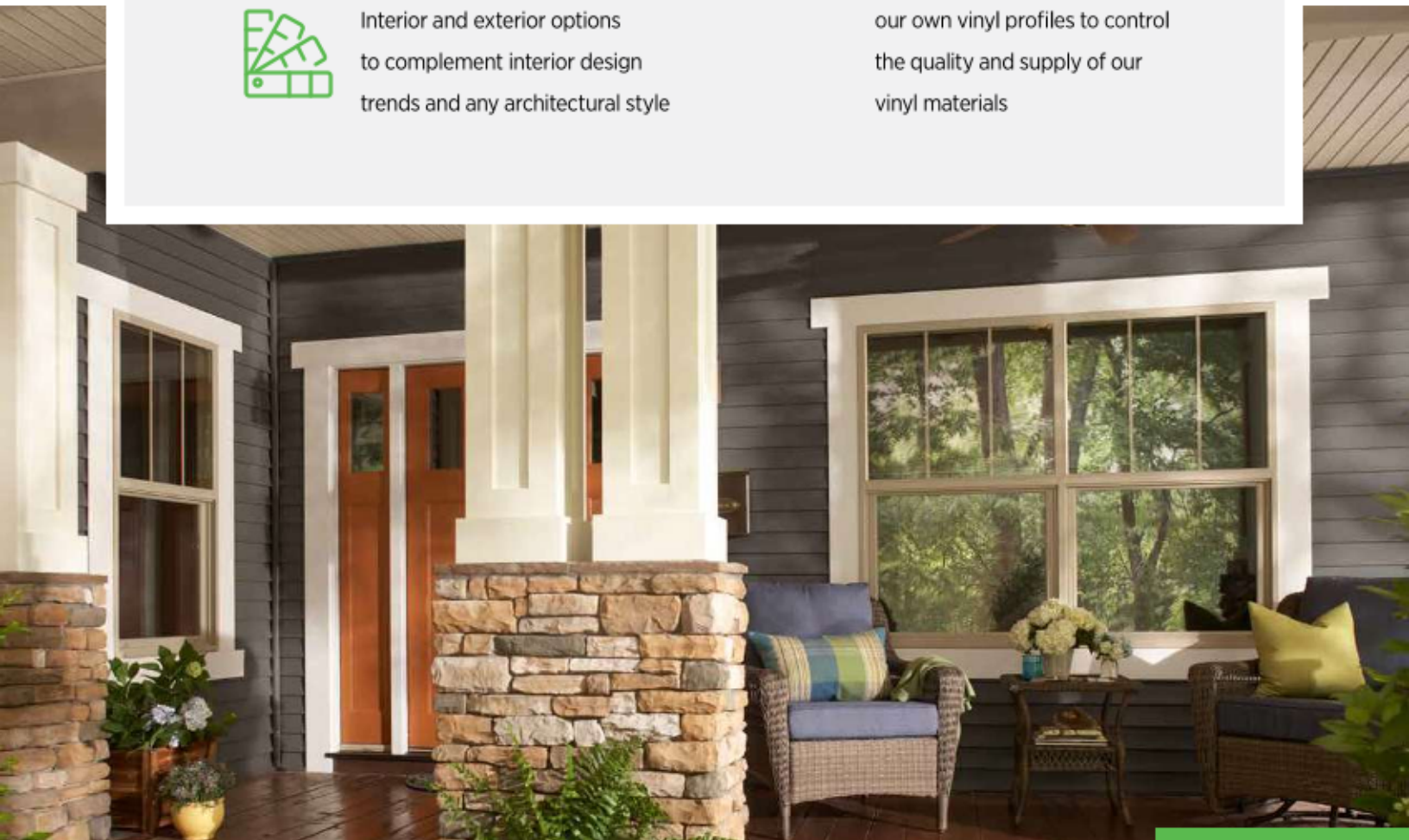
A wide selection of window and door styles and configurations for any home and budget



Vertically integrated operations and supply chain ensure quality and efficiency. We manufacture our own vinyl profiles to control the quality and supply of our vinyl materials



Interior and exterior options to complement interior design trends and any architectural style





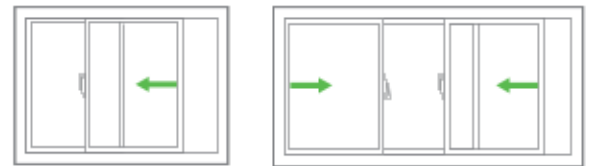


Sliding Window

For an unobstructed view of the world, look no farther than our eye-catching, energy-efficient, maintenance-free and secure sliding windows. These solidly built and dependable windows slide open like a dream yet seal tightly to keep out the cold and heat.

FEATURES

- Standard heavy-duty adjustable acetal rollers for smooth operation while adding strength for triple pane windows
- Secondary sash stop allows window to open partially for secure ventilation
- Standard baffled weep hole covers resist weather and bugs
- Anti-lift blocks mechanically fastened to prevent unwanted sash removal
- Reinforced meeting rail for added strength and security



Choose from a 2-lite slider, or a 3-lite slider window that features a large picture window with operable end vents.





Single Hung

Bring your rooms to life with our attractive single hung windows, which blend the charm of yesterday with the high-tech innovation performance of today. They will brighten your spaces with timeless beauty and deliver the durability and the latest in energy-efficient features you'll appreciate every day.

FEATURES

- Block and tackle sash balances for easy and smooth operation
- Lock options meet or exceed strict forced entry code requirements
- Low point high-pressure baffled weep system for efficient water drainage
- Corrosion resistant fasteners and hardware for lifelong durability

Available in twin, triple and quad window combinations.





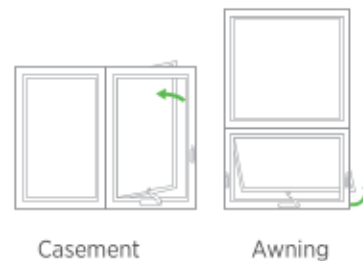


Casement & Awning

Bring fresh air to out-of-the-way spaces with our casement and awning windows. Sash opens fully for maximum fresh air through an interior screen. Customize your window configuration with picture windows to create a unique look.

FEATURES

- Folding nested handle hardware for sleek appearance and minimizing interference with window treatments
- Stainless steel hardware and fasteners standard for added strength and longevity
- Double-row bulb compression weatherstripping for tight seal and increased efficiency
- Integral structural mulls provide durability and reinforcement to casement and awning combination units



Casement

Awning

Color-matched hardware coordinates with and complements interior home décor.



Sleek fold-down and nesting hardware



Multi-point sash lock





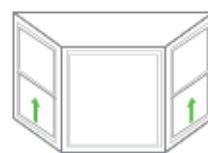
Bay Window



Bow Window

Bay & Bow Windows

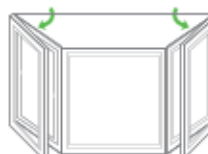
Bay windows feature a picture window center flanked by two single hung windows or casement windows. Bow windows combine 3, 4 or 5 window configurations at 10° or 15° angles for a more rounded look. Select single hung, casement, picture windows or combine styles to create your bow window. Optional head and seatboard in birch can be stained or painted to match your interior décor.



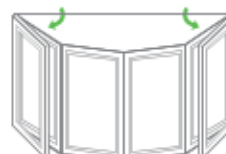
Single Hung Bay



Single Hung Bow



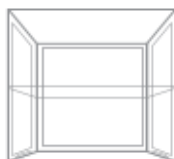
Casement Bay



Casement Bow

Garden Windows

You don't need the greenest thumb in the family to watch nature blossom in your garden window. The bountiful sunlight they provide will keep your plants thriving year-round.



Garden Window



EXTERNAL KNEE BRACES

- Provides exterior support for bay, bow and garden windows*
- Available in white, sand and clay
- Knee braces are pre-finished to be maintenance free

*Additional knee braces and cable system are required for bay, bow and garden window installation when head and seatboard with extension jamb options is selected. Failure to properly support a bay, bow or garden window will void the warranty.



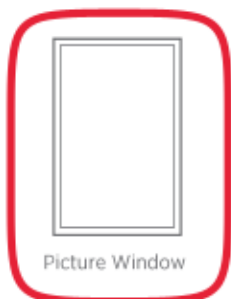
Full Round Window



Extended Eyebrow

Picture Windows & Architectural Shapes

Architectural windows (also known as geometric windows) come in a variety of arched, radius and linear shapes that add visual character to any home's architecture. Ideal for small areas or combine with other windows for a large configuration, geometric windows increase illumination and curb appeal. Select shape windows are also available in operable styles.



Picture Window



Picture Window



Full Round



Quarter Round



Extended Quarter Round



Eyebrow



Extended Half Round



Extended Eyebrow



Quarter Eyebrow



Extended Quarter Eyebrow



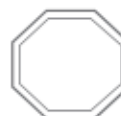
Half Round



Gothic Eyebrow



Extended Gothic



Octagon



Extended Octagon



Ellipse



Pentagon



Pentagon Equilateral



Hexagon



Extended Hexagon



Full Oval



Trapezoid Left or Right



Clipped Trapezoid



Isosceles Triangle



Right Angle Triangle



Sliding/French Sliding Patio Door

Our reliable, sliding patio door opens up a home to outdoor living and more daylight. Available in multiple styles including French and Bi-Parting, these maintenance free and weather resistant doors are as attractive as they are efficient.

FEATURES

- NEW laminated black and bronze exterior options available on 960 Series
- Multi-point lock for security
- Optional deadbolt and head bolt for additional security
- Stainless-steel rollers available for long lasting durability and smooth operation
- Aluminum threshold cover on 960 Series for strength and durability for years to come



Standard color-coordinated exterior handle



Standard color-coordinated interior handle

HARDWARE FINISHES

Standard color-coordinated interior/exterior hardware perfectly complement Sliding and French Sliding Patio Doors. Optional interior hardware in stylish metal finishes adds a unique touch to your décor.





Hinged Patio Door

Whether you're in the mood to throw open your doors and embrace the world or serenely gaze on Mother Nature from inside, these beautifully styled patio doors will let you indulge your whim while maximizing your space. Their elegant yet secure design protects you from the elements and intruders.

FEATURES

- Heavy-duty two-way adjustable hinges ensure proper door alignment
- Independent shoot bolts per panel for additional security
- Anodized aluminum threshold cover for durability
- High-end European hardware available for keyed lock
- Fixed and operable sidelite option for maximum daylighting and ventilation



Inswing Hinged Patio Door



Outswing Hinged Patio Door



HARDWARE FINISHES

Standard color-coordinated interior/exterior hardware perfectly complement Hinged Patio Doors. Optional interior/exterior hardware in stylish metal finishes adds a unique touch to your décor.



White hardware is default on hinged patio doors that are all white (interior & exterior). Rustic umber hardware is default on all other interior/exterior color combinations.



Exterior/Interior Color Options

VINYL COLOR OPTIONS

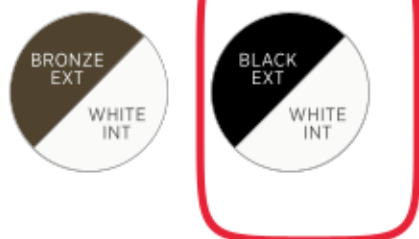


PAINTED & LAMINATED EXTERIOR COLOR OPTIONS



All painted exterior colors available with a white, sand or clay interior color
*Laminated black and bronze exterior available on 960 Series sliding patio door only.

COEXTRUDED EXTERIOR COLOR OPTIONS AVAILABLE FOR WINDOWS ONLY



Geographically limited availability. Consult with your Ply Gem Windows & Doors representative.

Colors are reproduced as accurately as printer technology allows. Consult with your Ply Gem representative for actual samples.

COEXTRUSION TECHNOLOGY

Coextruded dark exterior colors for our vinyl windows have been formulated to meet the design and performance needs of the western United States. The coextrusion process molds the vinyl dark color and white color material together as the profile is created. This means the color is integral to the window and not an applied coating on the exterior surface. This durable, high performance color option is backed by a 15-year warranty.



Grille Options

GRILLE PROFILES

GBG = Grilles-between-the-glass SDL = Simulated-divided-lites

* SDL not available for garden windows



5/8" Flat GBG



5/8" Sculptured GBG



1" Sculptured GBG



7/8" SDL*



1 1/4" SDL*

SELECTION OF POPULAR GRILLE PATTERNS



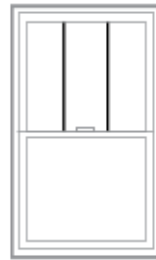
Colonial



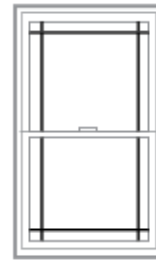
Half Colonial



Plaza



Three over One



Perimeter Prairie

ADDITIONAL GRILLE PATTERNS AVAILABLE

Consult with your Ply Gem Windows & Door sales representative or visit plygem.com/windows for more details.

Window Lock Options

Color-matched single hung and sliding window hardware will coordinate with and complement your home décor. Cam action sash lock is standard or upgrade to AUTOLOCK which locks automatically when sash is closed.

CAM ACTION SASH LOCK



White



Sand



Clay



Standard dual cam-action sash lock provides security.

AUTOLOCK SASH LOCK



White



Sand



Clay



Optional AUTOLOCK locks automatically when unit is closed

Custom Sizing

Ply Gem windows and patio doors can be ordered in 1/8 inch increments for any application providing a perfect fit every time. Custom sizing minimizes installation time and special trimming requirements.

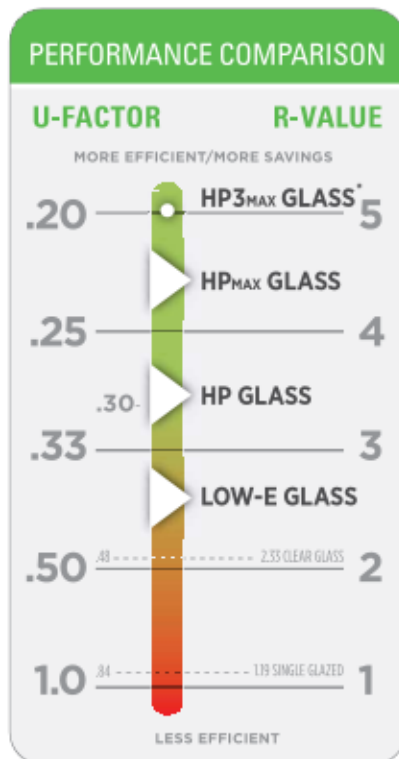
Glass Options

- Low-E
- Low-E^{SC}
- Low-E2
- Low-E2MAX¹
- Low-E3MAX¹
- HP
- HP^{SC}
- HP2+
- HP2MAX¹
- HP3MAX¹
- Clear
- Tinted¹
- Obscure
- Tempered²
- Laminated (security)
- Sound Package (off-set glass)

* Low-E2MAX, Low-E3MAX, HP2MAX and HP3MAX are not available on all products. Consult with your Ply Gem Windows & Doors representative for a full list of glass thickness options and ratings.

1. Consult with your Ply Gem Windows & Doors representative for a complete list of tinted glass types.

2. Tempered glass standard on patio doors.



The lower the U-Factor, the greater the insulation value. R-Value is the inverse ($R=1/U$) of the U-Factor. Total Unit Factors determined per NFRC-100 (National Fenestration Rating Council). Chart shows relationship between performance and Ply Gem Windows & Doors glass package options, not including energy package upgrade.

*Ply Gem Windows & Doors HP3MAX glass products meet or exceed a U-Factor of 0.20 on fixed units & 0.22 on operating units.

Glass Packages

LOW-E GLASS PACKAGES

Our Low-E glass packages combine Low-E and Warm Edge spacer options, providing insulating glass options to meet your specific needs. Our Low-E glass packages provide better performance in regions with hot summers and cold winters. Our Low-E^{SC} (solar cooling) glass package is optimized for regions with significant indoor cooling and glare reduction requirements. Our Low-E glass packages can be combined with capillary tubes to address performance needs in high elevation applications.

Low-E = One lite of Low-E

Low-E^{SC} = One lite of solar cooling Low-E

Low-E2+¹ = One lite of Low-E and one lite of Interior Surface Low-E

Low-E2MAX¹ = Triple-pane with two lites of Low-E with an interior glass substrate

Low-E3MAX¹ = Triple-pane with two lites of Low-E and one lite of Interior Surface Low-E

*These glass packages are combined with capillary tubes to address performance needs in high elevation applications.

HP GLASS PACKAGES

Our HP glass packages combine Low-E with argon gas fill and Warm Edge spacer options, providing high-performance insulating glass options to meet your specific needs. Argon is a safe, odorless, colorless gas, which is heavier or denser than air. When used in conjunction with Low-E glass, argon provides better insulation. That's because heat and cold do not pass through argon gas as easily as through air. Argon is nontoxic and presents no human health or environmental concerns. HP glass package is also available in solar cooling (^{SC}) glass packages for regions with significant indoor cooling and glare reduction requirements.

HP = One lite of Low-E and argon gas fill

HP^{SC} = One lite of solar cooling optimized Low-E and argon gas fill

HP2+ = One lite of Low-E and one lite of Interior Surface Low-E with argon gas fill

HPMAX GLASS PACKAGES (triple-pane)

Our HPMAX glass packages are triple-pane units that combine Low-E with two chambers of argon gas fill and Warm Edge spacer options, providing enhanced high-performance insulating glass options to meet your specific needs.

HP2MAX = Triple-pane with two lites of Low-E with an interior glass substrate and two chambers of argon gas fill

HP3MAX = Triple-pane with two lites of Low-E and one lite of Interior Surface Low-E and two chambers of argon gas fill

TITLE 24

Most Ply Gem windows and doors in the west can be configured to meet or exceed the California Energy Commission's standards for Title 24 compliance. Consult with your Ply Gem Windows & Doors representative for more information.



Obscure Glass Pattern Options



Clear Crossreed



Delta Frost



Flemish



Gluechip



Narrow Reed



Obscure



Rain



Satin Etched

Glossary

PERFORMANCE GRADE RATED

Ply Gem windows and patio doors are tested to meet the air, water and structure requirements of AAMA/WDMA 101/I.S.2. With advanced level engineering and top-notch innovation, you are assured of the most durable, high-performing windows and doors available nationwide.

WARM EDGE TECHNOLOGY

Standard Warm Edge glass spacer system within Ply Gem windows and patio doors reduces thermal transfer around the glass perimeter by utilizing a unique U-shaped channel to separate glass panes and interrupt the natural flow of heat to cold. Warm Edge is one continuous piece creating a stronger, more energy-efficient insulated glass unit. Plus it flexes with glass expansion and contraction to ensure a strong seal for the life of the product.

WARM EDGE+ TECHNOLOGY

Optional Warm Edge+ Spacer System has all of the features of the Warm Edge Spacer, but utilizes a new, less conductive material which provides a lower U-Factor.

LIMITED LIFETIME WARRANTY



We believe so strongly in the durability of our windows that we back each window unit with our hassle-free Limited Lifetime Warranty. Lifetime means your windows and patio doors are protected under the warranty for as long as you live in your home. And your warranty is transferable to the next homeowner helping you protect your investment by increasing your home's resale value.

ENERGY STAR®

Ply Gem West Vinyl windows and patio doors can be configured to meet a specific ENERGY STAR zone in all states. Your investment in ENERGY STAR products will pay for itself over time in reduced energy bills, not to mention increase the comfort level inside your home.

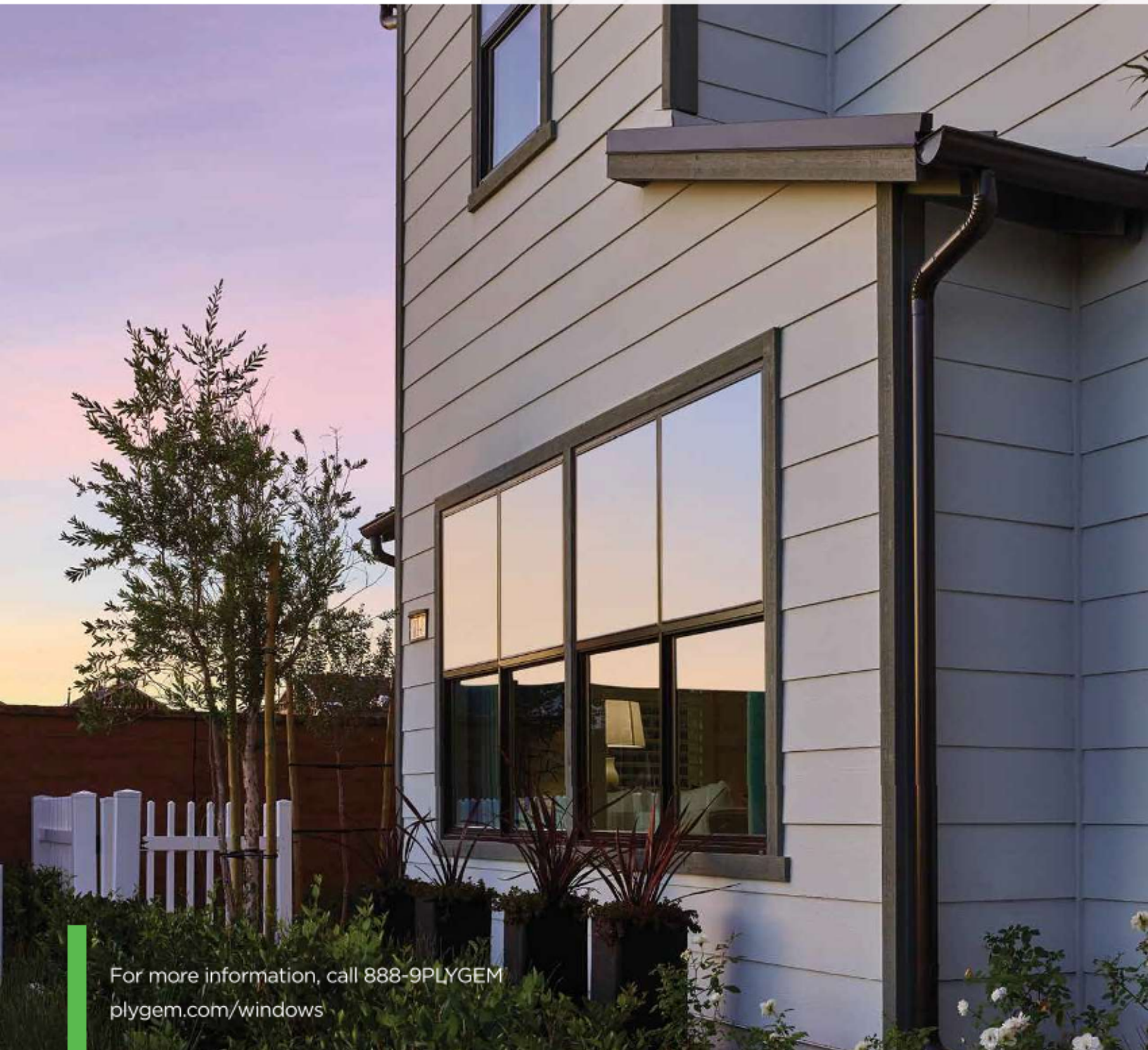


WE SELL
ENERGY STAR

WINDOW: PRODUCT TYPE / SERIES	SLIDING		SINGLE HUNG	CASEMENT	AWNING	SINGLE HUNG BAY	CASEMENT BAY	SINGLE HUNG BOW	CASEMENT BOW	GARDEN	SHAPES	
FRAME TYPE	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Frame Depth	3-7/16"	2-5/8"	3-7/16"	2-5/8"	3-7/16"	3-7/16"	3-7/16"	3-7/16"	3-7/16"	3-7/16"	2-5/8"	varies
1" Nailing Fin	■		■		■	■						■
1" Nailing Fin with J-Channel	■	■	■	■								■
1" Nailing Fin with Stucco Key	■	■	■	■								■
1-3/8" Nailing Fin	■		■		■	■		■		■		■
1-3/8" Nailing Fin with Stucco Key	■	■	■	■								■
Single-wall Flush Flange	■	■	■	■	■	■						■
Dual-wall Flush Flange	■		■		■	■						■
Block Frame	■	■	■	■	■	■	■	■	■			■
Flush Fin											■	
FRAME DIMENSIONS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Maximum Width	96"	72"	48"	48"	36"	60"	96"	120"	72"	84"	72"	varies
Maximum Height	72"	60"	84"	72"	72"	36"	72"	72"	84"	84"	48"	varies
COLOR EXTERIOR / INTERIOR	200	400	200	400	700	700	200	700	200	700	400	SHAPES
White/White	■	■	■	■	■	■	■	■	■	■	■	■
Sand/Sand	■	■	■	■	■	■	■	■	■	■	■	■
Clay/Clay	■		■	■	■	■	■	■	■	■	■	■
Coextruded Bronze/White	■		■		■	■						■
Coextruded Black/White	■		■		■	■						■
Painted Silver/White	■	■	■	■	■	■	■	■	■	■		■
Painted Bronze/White	■		■	■	■	■	■	■	■	■		■
Painted Black/White	■	■	■	■	■	■	■	■	■	■		■
GLASS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Low-E											■	
Low-E ^{sc}											■	
Low-E ^{ps}	■	■	■	■	■	■	■	■	■	■		■
Low-E2+ ^{ps}	■		■	■	■	■	■	■	■	■		■
Low-E High Altitude	■	■	■	■	■	■	■	■	■	■	■	■
Low-E ^{sc} High Altitude	■		■	■	■	■	■	■	■	■	■	■
HP	■	■	■	■	■	■	■	■	■	■	■	■
HP ^{sc}	■		■	■	■	■	■	■	■	■	■	■
HP ^{ps}		■	■	■	■	■	■	■	■	■		■
HP2+	■		■		■	■	■	■	■	■		■
HP2+ ^{ps}		■	■	■	■	■	■	■	■	■		■
HP2 ^{Max}	■		■		■	■	■	■	■	■		■
HP3 ^{Max}	■		■		■	■	■	■	■	■		■
Title 24 Compliance Option	■	■	■	■	■	■	■	■	■	■	■	■
PATTERN GLASS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Clear Crossreed	■	■	■	■	■	■	■	■	■	■		■
Delta Frost	■		■	■	■	■	■	■	■	■	■	■
Flemish	■		■	■	■	■	■	■	■	■	■	■
Gluechip	■		■	■	■	■	■	■	■	■	■	■
Narrow Reed	■	■	■	■	■	■	■	■	■	■	■	■
Obscure	■	■	■	■	■	■	■	■	■	■	■	■
Rain	■	■	■	■	■	■	■	■	■	■	■	■
Satin Etched	■	■	■	■	■	■	■	■	■	■		■
GRILLE TYPES	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Grilles Between Glass (GBG)												
5/8" Flat GBG	■	■	■	■	■	■	■	■	■	■		■
5/8" Sculptured GBG	■		■		■	■	■	■	■	■		■
1" Sculptured GBG	■		■		■	■	■	■	■	■		■
Simulated Divided Lite (SDL)												
7/8" SDL with Shadow Bar	■		■		■	■	■	■	■	■		
1-1/4" SDL with Shadow Bar	■		■		■	■	■	■	■	■		
2" SDL with Shadow Bar	■		■		■	■	■	■	■	■		
2" Horizontal & 1-1/4" Vertical SDL w/ Shadow Bar	■		■		■	■	■	■	■	■		
GRILLE PATTERNS	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Colonial	■	■	■	■	■	■	■	■	■	■		■
Prairie	■	■	■	■	■	■	■	■	■	■		■
Double Prairie	■	■	■	■	■	■	■	■	■	■		■
Marginal Prairie	■		■	■				■				
Perimeter Prairie							■	■		■		
Plaza	■	■	■	■	■	■	■	■	■	■		
Fractional	■	■	■	■	■	■	■	■	■	■		■
HARDWARE	200	400	200	400	700	700	200	700	200	700	400	SHAPES
Cam Action Sash Lock	■	■	■	■			■	■	■	■	■	■
AUTOLOCK	■	■	■	■			■		■	■	■	■
	SLIDING		SINGLE HUNG		CASEMENT	AWNING	SINGLE HUNG BAY	CASEMENT BAY	SINGLE HUNG BOW	CASEMENT BOW	GARDEN	SHAPES

* 12 sq ft max

PATIO DOOR: PRODUCT TYPE / SERIES	SLIDING		FRENCH SLIDING	INSWING/OUTSWING HINGED
FRAME TYPES	460	960	970	960
Frame Depth:	4-1/4"	4-3/8"	4-3/8"	4-3/16"
1-3/16" Nailing Fin	■			
1-3/16" Nailing Fin with J-Channel	■			
1-3/8" Nailing Fin		■	■	
1-3/8" Nailing Fin with J-Channel		■	■	
Dual-wall Flush Flange		■	■	■
Flashing Fin				■
No Fin	■	■	■	■
FRAME DIMENSIONS	460	960	970	960
Maximum Width	6' 0"	16' 0"	16' 0"	6' 0"
Maximum Height	6' 10"	8' 0"	8' 0"	8' 0"
PANELS	460	960	970	960
2-panel	■	■	■	■
3-panel		■	■	■ w/sidelight
4-panel		■	■	■ w/sidelight
COLOR EXTERIOR / INTERIOR	460	960	970	960
White/White	■	■	■	■
Sand/Sand	■	■	■	■
Clay/Clay	■	■	■	■
Painted Silver/White	■	■	■	■
Painted Bronze/White	■	■	■	■
Painted Black/White	■	■	■	■
Laminated Black/White or Bronze/White		■		
GLASS	460	960	970	960
Low-E High Altitude	■	■	■	■
Low-E ^{sc} High Altitude	■	■	■	■
HP	■	■	■	■
HP ^{sc}	■	■	■	■
HP2+		■		
HP2 ^{Max}		■		■
HP3 ^{Max}		■		
Title 24 Compliance Option	■	■	■	■
PATTERN GLASS	460	960	970	960
Delta Frost	■	■	■	■
Flemish	■	■	■	■
Gluechip	■	■	■	■
Narrow Reed	■	■	■	■
Obscure	■	■	■	■
Rain	■	■	■	■
Satin Etched		■	■	■
GRILLE TYPES	460	960	970	960
Grilles Between Glass (GBG)				
5/8" Flat	■	■	■	■
5/8" Sculptured		■	■	■
1" Sculptured		■	■	■
Simulated Divided Lite (SDL)				
7/8" SDL with Shadow Bar		■	■	■
1-1/4" SDL with Shadow Bar		■	■	■
2" SDL with Shadow Bar		■	■	■
2" Horizontal & 1-1/4" Vertical SDL w/ Shadow Bar		■	■	■
GRILLE PATTERNS	460	960	970	960
Colonial	■	■	■	■
Prairie	■	■	■	■
Double Prairie	■	■	■	■
Marginal Prairie	■	■	■	■
Plaza	■	■	■	■
Fractional	■	■	■	■
HARDWARE	460	960	970	960
Stainless Steel Hardware	■	■	■	
Handle Color Finishes				
Color Matched Exterior/Interior	■	■	■	■
Exterior/Interior Metal Finishes				■
Interior Metal Finishes Only	■	■	■	
Lock Type				
2-Point Lock	■	■	■	
4-Point Lock		■	■	
Multi-point Lock				■
Keyed Options				
Not Keyed	■	■	■	
Keyed Differently	■	■	■	■
Keyed Alike	■	■	■	■
Patio Door Rollers				
Cad/Zinc Rollers	■	■	■	n/a
Stainless Steel Rollers	■	■	■	n/a
	SLIDING		FRENCH SLIDING	INSWING/OUTSWING HINGED



For more information, call 888-9PLYGEM
plygem.com/windows



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200 SINGLE HUNG



LOOKS THAT LAST. STYLES THAT STAND OUT.

Style. Value. Dependability. When you're looking to make the most of your next project, count on Ply Gem Windows & Doors Pro Series. Our extensive product line provides you with the choices you want and the custom solutions you need. Designed with a deeper, full line frame, these windows are energy efficient, provide enhanced strength and stability and are virtually maintenance free. You'll not only enhance the view, you'll help bring a room to life.



200 SINGLE HUNG



STANDARD FEATURES

- Nail fin with either a 1" or 1-3/8" setback for easy and accurate installation
- Low-point, high-pressure weep system helps rain water drain efficiently from the frame
- Removable side loaded bottom sash
- Continuous weatherstripping and dual cam-action sash lock provides security while sealing out the weather and sealing in your comfort
- Energy-efficient warm edge insulating glass for enhanced energy performance
- Corrosion-resistant stainless steel screws and hardware for lifelong durability
- Aluminum-reinforced meeting rail for added strength and durability
- Maintenance-free multi-chamber PVC construction with fusion welded corners for durability, weather-tight performance and beauty
- 3-7/16" frame depth with heavy vinyl walls for strength and stability
- Rated for light commercial application



OPTIONS

GLASS OPTIONS:

HP, HP^{SC}, HP^{MAX}, Warm Edge⁺, STC options, tints, obscure, laminated, tempered, single glaze

GRILLE OPTIONS:

Color-coordinated grilles-between-the-glass (GBG) in flat 5/8", sculptured 5/8" or 1" styles; simulated-divided-lite (SDL) 7/8" or 1-1/4" styles; 2" accent bar

HARDWARE OPTIONS:

AUTOLOCK—positive action lock

FRAME OPTIONS:

Nail fin with or without stucco key or J-channel, dual wall flush fin, no fin; Insulair passive fresh air ventilation system

COLOR OPTIONS:



CO-EXTRUDED EXTERIOR COLORS

Geographically limited availability



NOTE: Colors are reproduced as accurately as printer technology allows. Please see your authorized Ply Gem Windows representative for actual samples.

THERMAL PERFORMANCE

	R Value	NFRC CERTIFIED		
		U Factor	SHGC	VT
WITH WARM EDGE				
3/4" Low-E ^{SC}	2.86	0.35	0.22	0.43
3/4" HP	3.13	0.32	0.29	0.54
3/4" HP ^{SC}	3.13	0.32	0.22	0.43
1" HP _{MAX}	4.17	0.24	0.25	0.42
WITH WARM EDGE+				
3/4" HP	3.33	0.30	0.29	0.54
3/4" HP ^{SC}	3.33	0.30	0.22	0.43

All units are NAMI certified and rated in accordance with NFRC 100/200 standards by an AAMA accredited lab. Performance values reflect the performance of units tested with the following configuration: 3mm glass, no grilles and IGU thickness as noted in chart.



R VALUE: Restrictive ambient air flow; U FACTOR: Rate of heat loss; SHGC: Solar Heat Gain Coefficient; VT: Visible Transmittance

1. Most units are rated DP40 standard 2. Low-E with argon 3. Optional Solar Cooling optimized Low-E with argon. 4. Optional triple pane, combining two panes of Low-E insulating glass with an interior glass substrate creating two chambers of argon gas fill for superior performance 5. Optional Sound Control 6. Optional Warm Edge+ spacer on dual pane units for enhanced performance. NOTE: Optional 1" IGU for 1" sculptured GBG and some Sound Control Glass packages. 1" sculptured GBG available with HP^{MAX}, excluding bent grille patterns.



700 CASEMENT & AWNING



LOOKS THAT LAST. STYLES THAT STAND OUT.

Style. Value. Dependability. When you're looking to make the most of your next project, count on Ply Gem Windows & Doors Pro Series. Our extensive product line provides you with the choices you want and the custom solutions you need. Designed with a deeper, full line frame, these windows are energy efficient, provide enhanced strength and stability and are virtually maintenance free. You'll not only enhance the view, you'll help bring a room to life.



700 CASEMENT & AWNING



PRO SERIES 700 CASEMENT

3 mm Glass	R Value	NFRC CERTIFIED		
		U Factor	SHGC	VT
WITH WARM EDGE				
1" Clear	2.33	0.43	0.51	0.53
1" HP	3.33	0.30	0.24	0.45
1" HP ^{SC}	3.33	0.30	0.18	0.35
1" HP ^{MAX}	4.35	0.23	0.21	0.35
WITH WARM EDGE+				
1" HP	3.57	0.28	0.24	0.45
1" HP ^{SC}	3.57	0.28	0.18	0.35

PRO SERIES 700 AWNING

3 mm Glass		NFRC CERTIFIED		
		U Factor	SHGC	VT
WITH WARM EDGE				
1" Clear	2.27	0.44	0.51	0.53
1" HP	3.33	0.30	0.24	0.45
1" HP ^{SC}	3.33	0.30	0.18	0.35
1" HP ^{MAX}	4.35	0.23	0.21	0.35
WITH WARM EDGE+				
1" HP	3.57	0.28	0.24	0.45
1" HP ^{SC}	3.57	0.28	0.18	0.35

All units are NAMI certified and rated in accordance with NFRC 100/200 standards by an AAMA accredited lab. Performance values reflect the performance of units tested with the following configuration: 1" IGU, 3mm glass and no grilles.



R VALUE: Restrictive ambient air flow; U FACTOR: Rate of heat loss; SHGC: Solar Heat Gain Coefficient; VT: Visible Transmittance

1. Most units are rated DP40 standard 2. Low-E with argon 3. Optional Solar Cooling optimized Low-E with argon. 4. Optional triple pane, combining two panes of Low-E insulating glass with an interior glass substrate creating two chambers of argon gas fill for superior performance 5. Optional Sound Control 6. Optional Warm Edge+ spacer on dual pane units for enhanced performance. NOTE: Optional 1" IGU for 1" sculptured GBG and some Sound Control Glass packages. 1" sculptured GBG available with HP^{MAX}, excluding bent grille patterns.

STANDARD FEATURES

- 1" or 1-3/8" nail fin setback for easy and accurate installation
- Sleek fold-down and nesting crank handle minimizes interference with window treatments
- Dual row of weatherstripping seals out the weather and seals in your comfort
- Energy-efficient warm edge insulating glass for enhanced energy performance
- Multi-point lock with stainless steel hardware and fasteners for durability and added security
- Maintenance-free multi-chamber PVC construction with fusion welded corners for durability, weather-tight performance and beauty
- 3-7/16" frame depth with heavy vinyl walls for strength and stability
- Rated for light commercial application



OPTIONS

GLASS OPTIONS:

HP, HP^{SC}, HP 2+^{SC}, HP^{PS}, HP^{MAX} (Low-E^{PS}, Low-E2+^{PS} and Low-E for high altitude applications), Warm Edge+, STC options, tints, obscure, laminated, tempered, single glaze



GRILLE OPTIONS:

Color-coordinated grilles-between-the-glass (GBG) in flat 5/8", sculptured 5/8" or 1" styles; simulated-divided-lite (SDL) 7/8" or 1-1/4" styles; 2" accent bar



HARDWARE OPTIONS:

Push-out hardware

FRAME OPTIONS:

1" or 1-3/8" nail fin setback or J-channel, dual wall flush fin, no fin

COLOR OPTIONS:



CO-EXTRUDED EXTERIOR COLORS

Geographically limited availability



Black, Bronze and Silver exterior painted colors with white interior available.

NOTE: Colors are reproduced as accurately as printer technology allows. Please see your authorized Ply Gem Windows & Doors representative for actual samples.