

DATE: July 8, 2020

SUBJECT:

<u>Certificate of Appropriateness Request:</u>	H-09-20
<u>Applicant:</u>	Barrett Fischer
<u>Location of subject property:</u>	253 Church St. NE
<u>Staff Report prepared by:</u>	Kristen Boyd-Sullivan, Sr. Planner

BACKGROUND:

- The subject property is located in the North Union Street Historic Overlay District but is not included in the survey inventory. (Exhibit A).
- Date of Construction: 1911
- Classification: Unclassified-local district only
- Two-story, wood paneled, white Colonial Revival house with a hipped roof and dormer, front porch, shutters and cement stairs. Nice features include the dentil trim molding and Doric columns.
- Applicant is seeking to replace the windows, install a metal roof, and replace the front porch flooring.

DISCUSSION:

*NOTE: The subject property is within the zoning overlay for the Historic District but is not classified within the survey inventory as Pivotal, Contributing, Fill, or Intrusive. The properties along Church Street were included in the zoning overlay to protect/buffer the Union Street historically classified structures from future incompatible development.

The applicant is proposing to replace all existing windows within the structure due to their deteriorated condition. Images (Exhibit E) have been submitted by the applicant to demonstrate the current condition. The existing windows are wooden and single pane with the majority in a one-over-one design. However, some windows are single light and fixed. The windows/window openings all vary in dimensions resulting in a variety of replacement window sizes. The proposed replacement windows are single-hung and vinyl. Specific window details are included in the submitted product sheet (Exhibit H). According to the applicant, vinyl windows are proposed for maintenance purposes. Furthermore, the applicant has indicated that many of the properties within the "buffer" area of the North Union Street Historic District have utilized vinyl windows.

In addition to the windows, the applicant is requesting to replace the front porch flooring with standard pressure-treated deck boarding to be stained a dark brown at a later date. Images of the existing floor boards are depicted in Exhibit G.

Finally, the applicant has proposed to replace the existing medium gray shingled roof with metal roofing in either gray, galvanized or black. Product sheets (Exhibit I) have been submitted detailing the proposed metal roofing.

ATTACHMENTS

- Exhibit A: Historic Inventory Information
- Exhibit B: Application for Certificate of Appropriateness
- Exhibit C: Subject Property Map
- Exhibit D: Subject Property Image
- Exhibit E: Window Images
- Exhibit F: Roof Images
- Exhibit G: Porch Images
- Exhibit H: Window Materials
- Exhibit I: Roofing Materials

HISTORIC HANDBOOK DESIGN RECOMMENDATIONS:

Chapter 5- Section 5- Fenestrations:

- *Windows on most of the historical homes are of the double hung variety. Emphasis is on vertical rather than horizontal orientation of windows. The number of lights (panes) in the sash varies with the style and period of the house.*
- *Whenever possible, the original windows and doors and their features (sashes, glass, lintels, sills, architraves, shutters, door frames, pediments, hoods, steps, and hardware) should be preserved.*
- *Alteration in door and window openings, especially on the principal facade, should be avoided whenever possible, except as a restorative measure to return an opening to its original size. New openings should be located in areas where they are not visible from the street or in areas where they are compatible with the original design.*
- *New windows should be consistent or compatible with existing units. The emphasis of the new windows should be vertical rather than horizontal. Wood is the most appropriate material, and vinyl and aluminum clad windows are inappropriate in most instances.*
- *Modern window production includes hybrid windows that include synthetic components or mixed composition of wood and synthetic products. This type of window should not be used for the replacement of traditional wooden windows or within structures designated as Pivotal or Contributing.*
- *Choose windows that are appropriate for the style of building, maintain vertical emphasis, and avoid large single paned units.*

Chapter 5- Section 6: Porches

- *Porches which are original or are compatible with the design of the structure should be retained.*
- *Alterations to original porches that have no historic basis are not appropriate.*

Chapter 5- Section 7: Roofing

- *Use materials in new construction that are consistent with the style of the building; materials should be unobtrusive in texture as well as color.*
- *Original roof material should be maintained and/or replaced with like roofing if possible.*
- *Changes to roof pitch, configuration, and materials from that of the original should be avoided.*
- *Typical roofing materials used are tin, copper, slate, tiles, wood, and composition shingles.*
- *The few metal roofs that exist in the districts should also be preserved.*

RECOMMENDATION:

1. The Historic Preservation Commission should consider the circumstances of this application for a Certificate of Appropriateness relative to the North and South Union Street Historic Districts Handbook and Guidelines and act accordingly.
2. If approved, applicant(s) should be informed of the following:
 - City staff and Commission will make periodic on-site visits to ensure the project is completed as approved.
 - Completed project will be photographed to update the historic properties survey.

United States Department of the Interior
National Park Service

National Register of Historic Places
Inventory--Nomination Form

For NPS use only

received

date entered

Continuation sheet

Item number

Page

Boundary Justification

#10

1

The boundaries of the North Union Street Historic District includes those portions of the district's thoroughfares that developed prior to 1930, and retain a high proportion of their original pre-1930 structures. The proposed district lies within the local historic district, and consists of six blocks of North Union Street, and small sections of Marsh Avenue N. W., Franklin Avenue N. W., Grove Avenue N. W., Spring Street N. W., Cabarrus Avenue West, Bell Street S. W., White Street N. W., Georgia Street N. W., two houses on Edgewood Avenue N. E., and two structures on Buffalo Avenue N. W. Fortunately, many of the properties rest on large lots and are within a two to four block radius of North Union Street, thus creating a cohesive district. Some of the houses that lie within the local historic district have been excluded from this proposal. These properties lie in a heavy commercial district and have either been adapted for local businesses or are in poor condition. Consequently, these structures distract from the refined neighborhood element that exist in the proposed North Union Street District.

The areas to east and west of the North Union Street District were excluded for several reasons. The boundary to the east runs parallel to North Union Street and Church Street. These properties have already been discussed in the preceding paragraph. The western boundary is extremely irregular. The area northwest of the district is comprised of mill house structures that have less architectural significance to the district at large. Also, there are a number of commercial buildings bordering the northwest boundary that would be considered serious intrusions. The southwest boundary extends further in a westerly direction because of the large number of contributing structures. However, the boundary ends in a somewhat dilapidated commercial district that obviously developed after 1930.

The northern boundary is the easiest to define as it borders along Peachtree Street N. W. and encloses the former Odell-Locke-Randolph Mill (#1). The latter marks the beginning of the district. The boundary excludes the area north of the district because it is the post-World War II commercial district that developed along Church Street as the city of Concord expanded in a northerly direction.

The southern boundary is erratic, however, the traditional business district borders the residences on North Union Street and Spring Street. This part of the boundary provides a good buffer to the district. The contributing and pivotal structures along Bell Street S. E. and Cabarrus Avenue West are surrounded by post 1950 commercial development. However, this area includes a large number of contributing properties with historical and architecture significance as well as several pivotal structures such as the (Former) All Saints Episcopal Church (#131) and the First United Presbyterian Church (#142). Moreover, the properties along Bell Street (#152-166) borders Barber Scotia College, which provides a strong measure of protection against commercial development in this vicinity.



H-09-20

Application for
Certificate of Appropriateness

AN INCOMPLETE APPLICATION WILL NOT BE PLACED ON THE AGENDA UNTIL ALL OF THE REQUIRED ATTACHMENTS AND/OR ITEMS LISTED ON PAGE 2 ARE SUBMITTED.

APPLICANT INFORMATION

Name: Barrett Fischer
Address: PO Box 626
City: Harrisburg State: NC Zip Code: 28075 Telephone: 828-234-2307

OWNER INFORMATION

Name: Den Fund LLC
Address: PO Box 626
City: Harrisburg State: NC Zip Code: 28075 Telephone: 828-234-2307

SUBJECT PROPERTY

Street Address: 253 Church St NE P.I.N. # 56216096750000
Area (acres or square feet): 7260 Current Zoning: C1 Land Use: _____

**Staff Use
Only:**

Application Received by: _____ Date: _____, 20 _____

Fee: \$20.00 Received by: _____ Date: _____, 20 _____

The application fee is nonrefundable.

General Requirements

The Unified Development Ordinance imposes the following rules, regulations and requirements on requests for Certificates of Appropriateness. The applicant must, with reference to the attached plans, demonstrate how the proposed use satisfies these requirements:

1. Project or Type of Work to be Done: New windows, metal roof, +
~~front porch~~ front porch floor replacement
2. Detailed specifications of the project (type of siding, windows, doors, height/style of fence, color, etc.):
windows - vinyl (see attached)
roof - see attached
~~front porch~~ ~~front porch~~

Required Attachments/Submittals

1. Scaled site plan, if additions or accessory structures are proposed, on letter, legal or ledger paper. Larger sized copies will be accepted if **16 folded copies** are submitted for distribution.
2. A photograph of the front of the house.
3. Photographs of site, project, or existing structures from a "before" perspective
4. Drawings, sketches, renderings, elevations, or photographs necessary to present an illustration of the project from an "after" perspective.
5. Samples of windows, doors, brick, siding, etc. must be submitted with application.
6. Detailed list of materials that will be used to complete the project.

Applications may be submitted electronically.

Certification

(1) I hereby acknowledge and say that the information contained herein and herewith is true and that this application shall not be scheduled for official consideration until all of the required contents are submitted in proper form to the City of Concord Development Services Department. (2) I understand that City staff and/or members of the Historic Preservation Commission may make routine visits to the site to insure that work being done is the same as the work that was approved. (3) I understand that photographs of the completed project will be made to update the City's historic districts inventory database.

2-13-20
 Date

[Signature]
 Signature of Owner/Agent



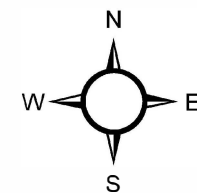
H-9-20

Barrett Fischer

Install a metal
roof, vinyl
windows, &
replace the front
porch floor

253 Church St. NE.

PIN 5621-60-9675



Source: City of Concord
Planning Department

Disclaimer

These maps and products are designed for general reference only and data contained herein is subject to change. The City Of Concord, it's employees or agents make no warranty of merchantability or fitness for any purpose, expressed or implied, and assume no legal responsibility for the information contained therein. Data used is from multiple sources with various scales and accuracy. Additional research such as field surveys may be necessary to determine actual conditions.



Exhibit D

Windows

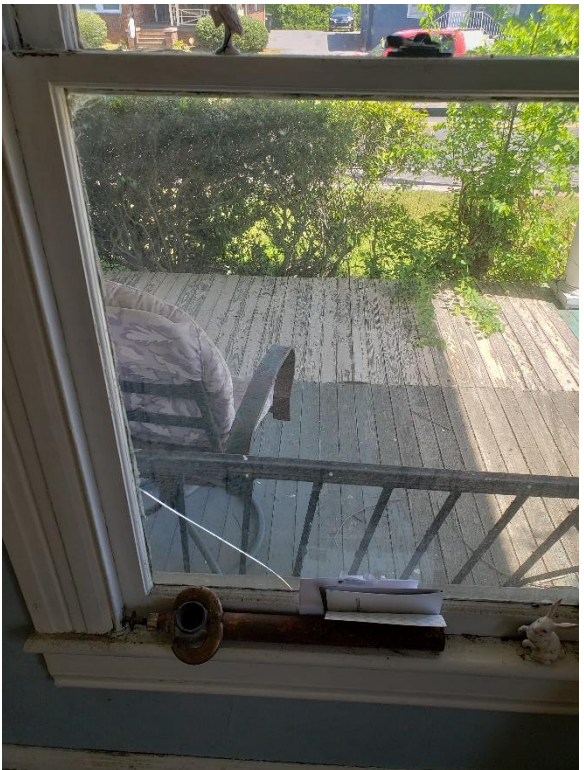
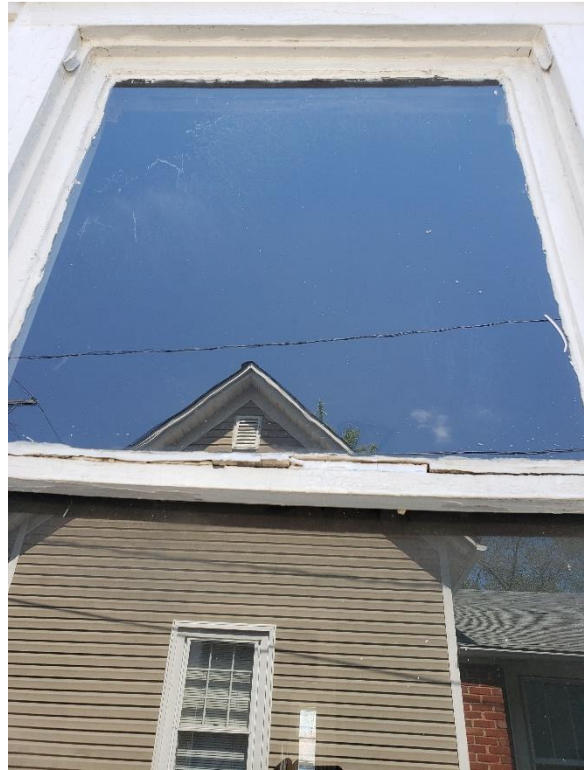


Exhibit E

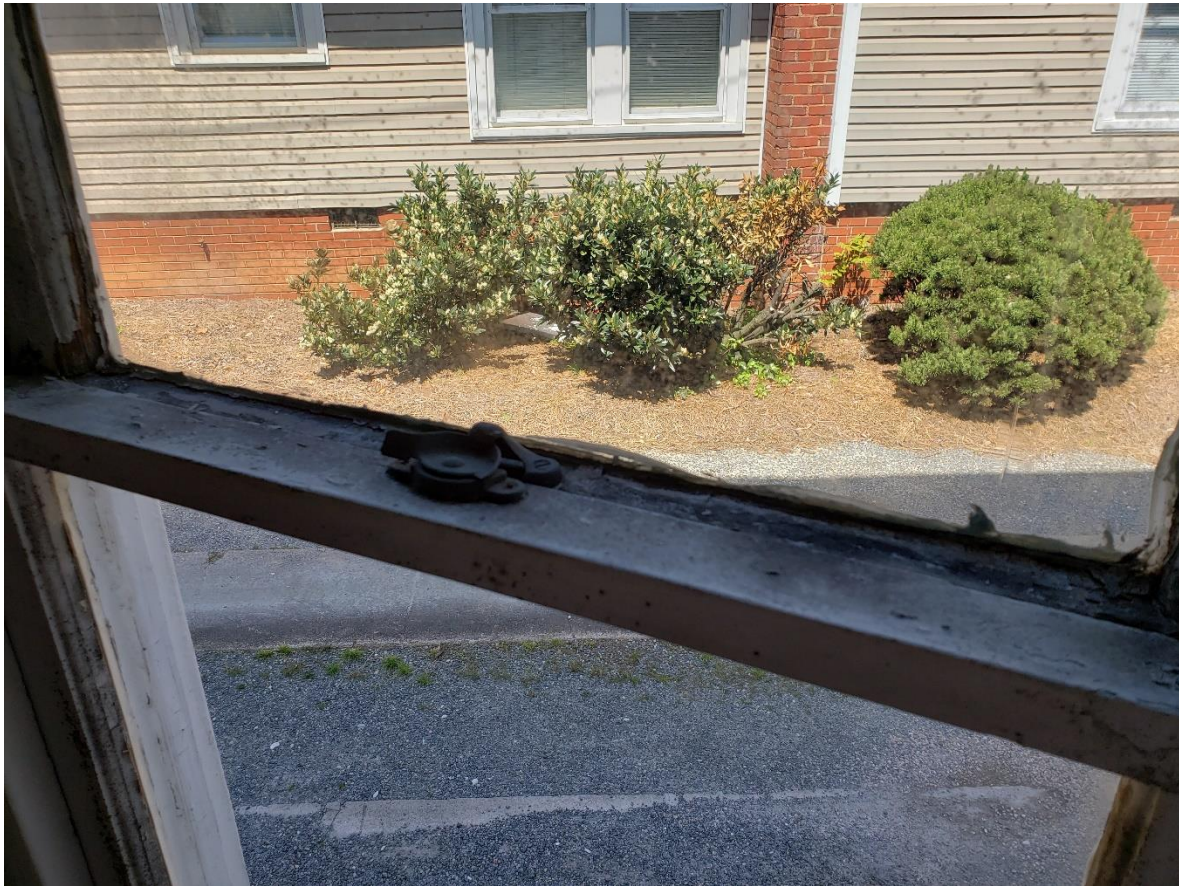


Exhibit E

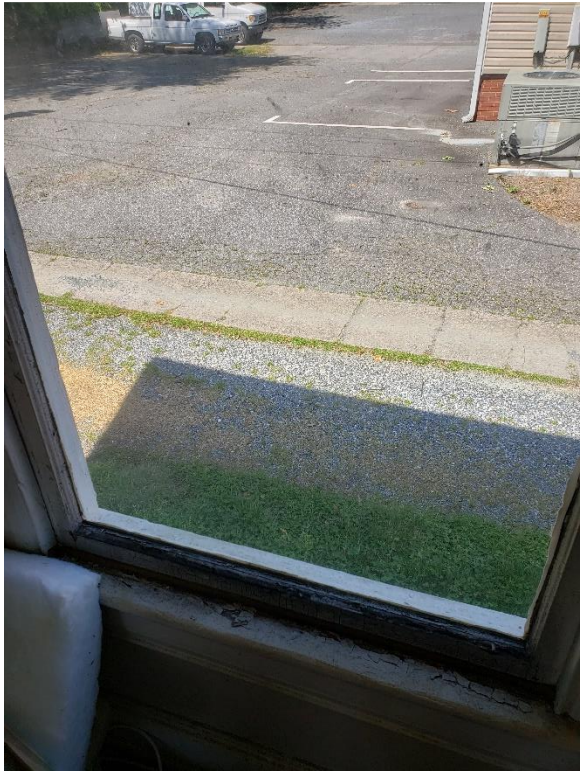


Exhibit E



Exhibit E



Exhibit E



Exhibit E

Roof

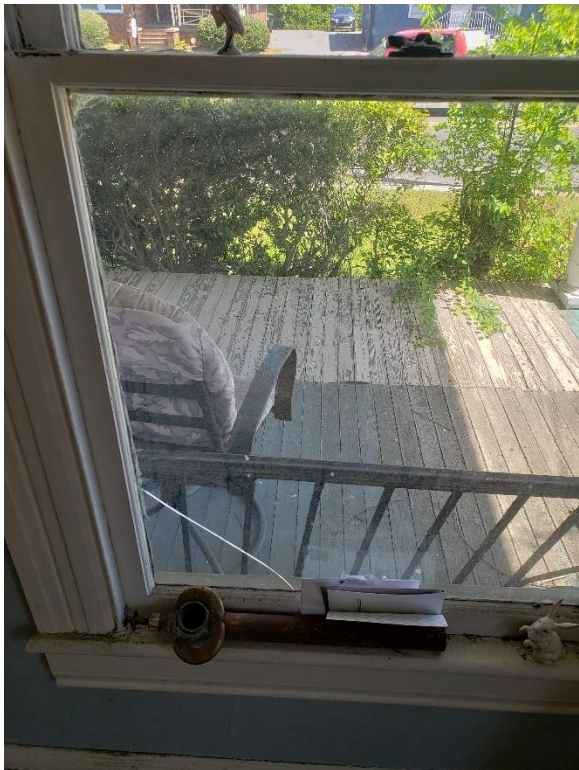
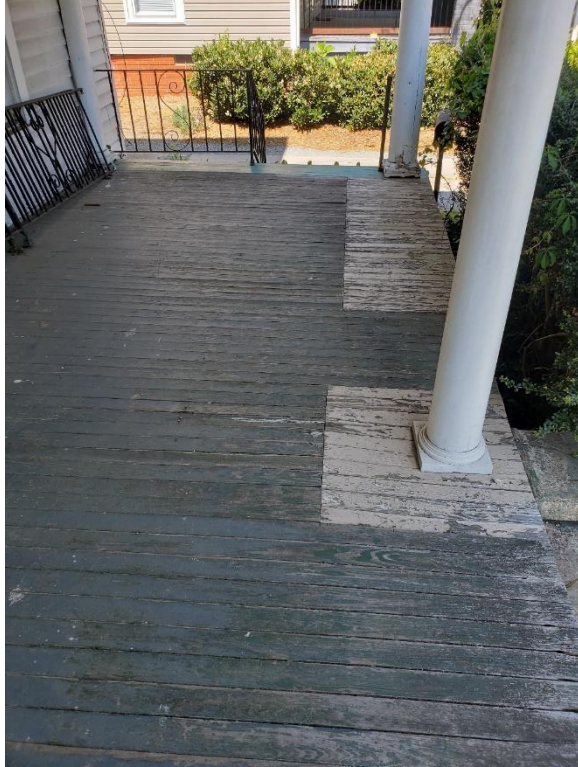
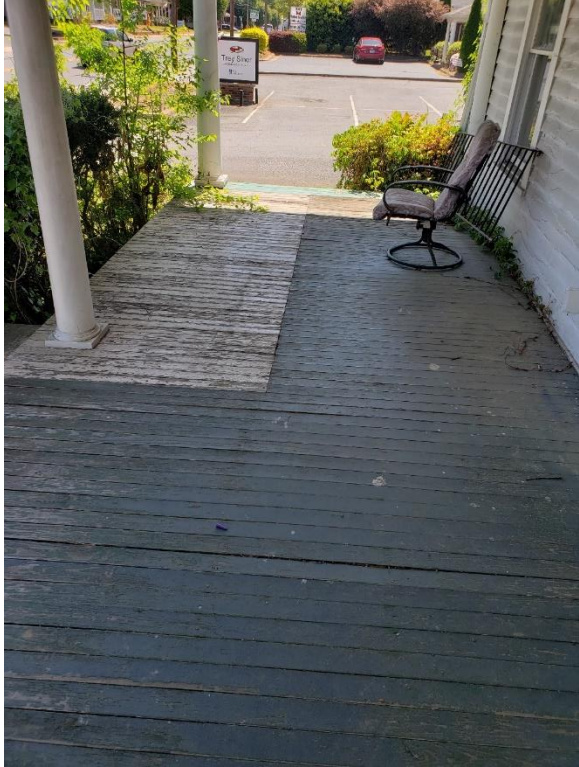


Exhibit F



Exhibit F

Porch





Customer Name:

Address:

Phone:

Fax:

Customer Information:

Project Name: Barrett Fischer

Quote Name: 253 Church St North

Quote Number: 2935542

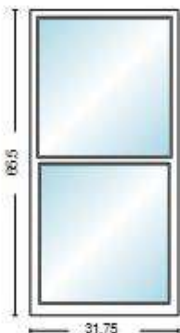
Order Date: Quote Not Ordered

PO Number:

Comments:

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
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Line Item: 100-1 1st Floor #1 *** PRODUCT ***
 Quantity: 2 Row 1 3500 Single Hung - Vent - 1 Units - 31.75W x 65.5H
 RO Size: 32.25" X 66" *** DIMENSIONS ***
 Unit Size: 31.75" X 65.5" 31.75W x 65.5H
 *** FRAME ***
 East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White
 *** GLASS ***
 Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas,
 Glass Strength - SSB
 *** SCREEN ***
 Screen - Half, Screen Mesh Type - Charcoal Fiber, Screens Packed
 Separately - No
 *** WRAPPING ***
 Extension Jamb - None, Frame Trim - None
 *** NFRC ***
 Series 3500::SingleHung, U-Factor::0.3, SHGC::0.23, VT::0.45
 *** Performance ***
 Series 3500::SingleHung, Calculated Positive DP Rating::20.05,
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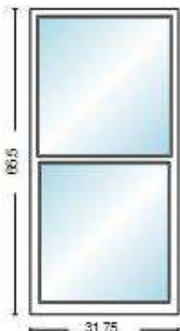


Unit Price: \$166.63
 Extended Price: \$333.26

3500 Single Hung - Vent - CustomCustom

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
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Line Item: 200-1 1st Floor #2 *** PRODUCT ***
 Quantity: 2 Row 1 3500 Single Hung - Vent - 1 Units - 31.75W x 65.5H
 RO Size: 32.25" X 66" *** DIMENSIONS ***
 Unit Size: 31.75" X 65.5" 31.75W x 65.5H
 *** FRAME ***
 East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White
 *** GLASS ***
 Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas,
 Glass Strength - SSB
 *** SCREEN ***
 Screen - Half, Screen Mesh Type - Charcoal Fiber, Screens Packed
 Separately - No
 *** WRAPPING ***
 Extension Jamb - None, Frame Trim - None
 *** NFRC ***
 Series 3500::SingleHung, U-Factor::0.3, SHGC::0.23, VT::0.45
 *** Performance ***
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 FL ID::N/A, STC Rating::28, OITC Data::23



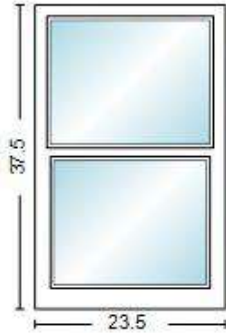
Unit Price: \$166.63
 Extended Price: \$333.26

3500 Single Hung - Vent - CustomCustom

Exhibit H

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
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Line Item: 300-1 1st Floor #3
 Quantity: 6
 RO Size: 24" X 38"
 Unit Size: 23.5" X 37.5"



*** PRODUCT ***
 Row 1 3500 Single Hung - Vent - 1 Units - 23.5W x 37.5H
 *** DIMENSIONS ***
 23.5W x 37.5H
 *** FRAME ***
 East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White
 *** GLASS ***
 Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas,
 Glass Strength - SSB
 *** SCREEN ***
 Screen - Half, Screen Mesh Type - Charcoal Fiber, Screens Packed
 Separately - No
 *** WRAPPING ***
 Extension Jambes - None, Frame Trim - None
 *** NFRC ***
 Series 3500::SingleHung, U-Factor::0.3, SHGC::0.23, VT::0.45
 *** Performance ***
 Series 3500::SingleHung, Calculated Positive DP Rating::20.05,
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 Type::DesignPressure, Structural Rating::R-PG20, Water Rating::3.13,
 FL ID::N/A, STC Rating::28, OITC Data::23

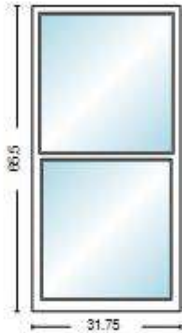
Unit Price: \$115.65

3500 Single Hung - Vent - CustomCustom

Extended Price: \$693.90

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
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Line Item: 400-1 1st Floor #4
 Quantity: 2
 RO Size: 32.25" X 66"
 Unit Size: 31.75" X 65.5"



*** PRODUCT ***
 Row 1 3500 Single Hung - Vent - 1 Units - 31.75W x 65.5H
 *** DIMENSIONS ***
 31.75W x 65.5H
 *** FRAME ***
 East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White
 *** GLASS ***
 Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas,
 Glass Strength - SSB
 *** SCREEN ***
 Screen - Half, Screen Mesh Type - Charcoal Fiber, Screens Packed
 Separately - No
 *** WRAPPING ***
 Extension Jambes - None, Frame Trim - None
 *** NFRC ***
 Series 3500::SingleHung, U-Factor::0.3, SHGC::0.23, VT::0.45
 *** Performance ***
 Series 3500::SingleHung, Calculated Positive DP Rating::20.05,
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 Type::DesignPressure, Structural Rating::R-PG20, Water Rating::3.13,
 FL ID::N/A, STC Rating::28, OITC Data::23

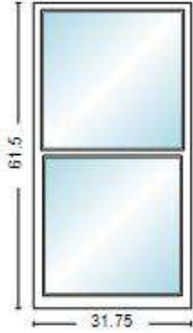
Unit Price: \$166.63

3500 Single Hung - Vent - CustomCustom

Extended Price: \$333.26

Exhibit H

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
Line Item: 500-1 Quantity: 1 RO Size: 32.25" X 62" Unit Size: 31.75" X 61.5"	1st Floor #5	<p>*** PRODUCT *** Row 1 3500 Single Hung - Vent - 1 Units - 31.75W x 61.5H *** DIMENSIONS *** 31.75W x 61.5H *** FRAME *** East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White *** GLASS *** Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas, Glass Strength - SSB *** SCREEN *** Screen - Half, Screen Mesh Type - Charcoal Fiber, Screens Packed Separately - No *** WRAPPING *** Extension Jambes - None, Frame Trim - None *** NFRC *** Series 3500::SingleHung, U-Factor::0.3, SHGC::0.23, VT::0.45 *** Performance *** Series 3500::SingleHung, Calculated Positive DP Rating::20.05, Calculated Negative DP Rating::20.05, DP Rule ID::3500 SH, Rating Type::DesignPressure, Structural Rating::R-PG20, Water Rating::3.13, FL ID::N/A, STC Rating::28, OITC Data::23</p>	<p>Unit Price: \$155.33</p> <hr/> <p>Extended Price: \$155.33</p>



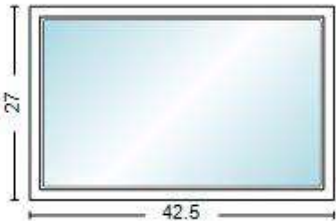
3500 Single Hung - Vent - CustomCustom

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
Line Item: 600-1 Quantity: 2 RO Size: 24" X 66" Unit Size: 23.5" X 65.5"	1st Floor #5	<p>*** PRODUCT *** Row 1 3500 Single Hung - Vent - 1 Units - 23.5W x 65.5H *** DIMENSIONS *** 23.5W x 65.5H *** FRAME *** East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White *** GLASS *** Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas, Glass Strength - SSB *** SCREEN *** Screen - Half, Screen Mesh Type - Charcoal Fiber, Screens Packed Separately - No *** WRAPPING *** Extension Jambes - None, Frame Trim - None *** NFRC *** Series 3500::SingleHung, U-Factor::0.3, SHGC::0.23, VT::0.45 *** Performance *** Series 3500::SingleHung, Calculated Positive DP Rating::20.05, Calculated Negative DP Rating::20.05, DP Rule ID::3500 SH, Rating Type::DesignPressure, Structural Rating::R-PG20, Water Rating::3.13, FL ID::N/A, STC Rating::28, OITC Data::23</p>	<p>Unit Price: \$144.63</p> <hr/> <p>Extended Price: \$289.26</p>



3500 Single Hung - Vent - CustomCustom

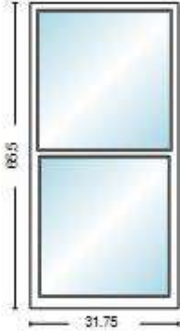
ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
Line Item: 700-1 Quantity: 1 RO Size: 43" X 27.5" Unit Size: 42.5" X 27"	1st Floor #5	<p>*** PRODUCT *** Row 1 3500 Picture Window - Fixed - 1 Units - 42.5W x 27H *** DIMENSIONS *** 42.5W x 27H *** FRAME *** East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White *** GLASS *** Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas, Glass Strength - DSB *** WRAPPING *** Extension Jambes - None, Frame Trim - None *** NFRC *** Series 3500::DirectSet, U-Factor::0.27, SHGC::0.24, VT::0.48 *** Performance *** Series 3500::DirectSet, Calculated Positive DP Rating::50.13, Calculated Negative DP Rating::50.13, DP Rule ID::3500 PW, Rating Type::DesignPressure, Structural Rating::LC-PG50*, Water Rating::7.52, FL ID::18644, STC Rating::27, OITC Data::23</p>	<p>Unit Price: \$105.24</p> <hr/> <p>Extended Price: \$105.24</p>



3500 Picture Window - Fixed - CustomCustom

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
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Line Item: 800-1 1st Floor #6
 Quantity: 2
 RO Size: 32.25" X 66"
 Unit Size: 31.75" X 65.5"



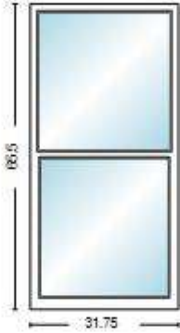
*** PRODUCT ***
 Row 1 3500 Single Hung - Vent - 1 Units - 31.75W x 65.5H
 *** DIMENSIONS ***
 31.75W x 65.5H
 *** FRAME ***
 East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White
 *** GLASS ***
 Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas,
 Glass Strength - SSB
 *** SCREEN ***
 Screen - Half, Screen Mesh Type - Charcoal Fiber, Screens Packed
 Separately - No
 *** WRAPPING ***
 Extension Jambes - None, Frame Trim - None
 *** NFRC ***
 Series 3500::SingleHung, U-Factor::0.3, SHGC::0.23, VT::0.45
 *** Performance ***
 Series 3500::SingleHung, Calculated Positive DP Rating::20.05,
 Calculated Negative DP Rating::20.05, DP Rule ID::3500 SH, Rating
 Type::DesignPressure, Structural Rating::R-PG20, Water Rating::3.13,
 FL ID::N/A, STC Rating::28, OITC Data::23

Unit Price: \$166.63
 Extended Price: \$333.26

3500 Single Hung - Vent - CustomCustom

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
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Line Item: 900-1 Upstairs #1
 Quantity: 2
 RO Size: 32.25" X 66"
 Unit Size: 31.75" X 65.5"



*** PRODUCT ***
 Row 1 3500 Single Hung - Vent - 1 Units - 31.75W x 65.5H
 *** DIMENSIONS ***
 31.75W x 65.5H
 *** FRAME ***
 East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White
 *** GLASS ***
 Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas,
 Glass Strength - SSB
 *** SCREEN ***
 Screen - Half, Screen Mesh Type - Charcoal Fiber, Screens Packed
 Separately - No
 *** WRAPPING ***
 Extension Jambes - None, Frame Trim - None
 *** NFRC ***
 Series 3500::SingleHung, U-Factor::0.3, SHGC::0.23, VT::0.45
 *** Performance ***
 Series 3500::SingleHung, Calculated Positive DP Rating::20.05,
 Calculated Negative DP Rating::20.05, DP Rule ID::3500 SH, Rating
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 FL ID::N/A, STC Rating::28, OITC Data::23

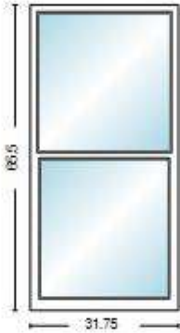
Unit Price: \$166.63
 Extended Price: \$333.26

3500 Single Hung - Vent - CustomCustom

Exhibit H

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
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Line Item: 1000-1 Upstairs #2
 Quantity: 2
 RO Size: 32.25" X 66"
 Unit Size: 31.75" X 65.5"



*** PRODUCT ***
 Row 1 3500 Single Hung - Vent - 1 Units - 31.75W x 65.5H
 *** DIMENSIONS ***
 31.75W x 65.5H
 *** FRAME ***
 East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White
 *** GLASS ***
 Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas,
 Glass Strength - SSB
 *** SCREEN ***
 Screen - Half, Screen Mesh Type - Charcoal Fiber, Screens Packed
 Separately - No
 *** WRAPPING ***
 Extension Jambes - None, Frame Trim - None
 *** NFRC ***
 Series 3500::SingleHung, U-Factor::0.3, SHGC::0.23, VT::0.45
 *** Performance ***
 Series 3500::SingleHung, Calculated Positive DP Rating::20.05,
 Calculated Negative DP Rating::20.05, DP Rule ID::3500 SH, Rating
 Type::DesignPressure, Structural Rating::R-PG20, Water Rating::3.13,
 FL ID::N/A, STC Rating::28, OITC Data::23

Unit Price: \$166.63

3500 Single Hung - Vent - CustomCustom

Extended Price: \$333.26

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
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Line Item: 1100-1 Upstairs #5
 Quantity: 2
 RO Size: 24" X 66"
 Unit Size: 23.5" X 65.5"



*** PRODUCT ***
 Row 1 3500 Single Hung - Vent - 1 Units - 23.5W x 65.5H
 *** DIMENSIONS ***
 23.5W x 65.5H
 *** FRAME ***
 East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White
 *** GLASS ***
 Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas,
 Glass Strength - SSB
 *** SCREEN ***
 Screen - Half, Screen Mesh Type - Charcoal Fiber, Screens Packed
 Separately - No
 *** WRAPPING ***
 Extension Jambes - None, Frame Trim - None
 *** NFRC ***
 Series 3500::SingleHung, U-Factor::0.3, SHGC::0.23, VT::0.45
 *** Performance ***
 Series 3500::SingleHung, Calculated Positive DP Rating::20.05,
 Calculated Negative DP Rating::20.05, DP Rule ID::3500 SH, Rating
 Type::DesignPressure, Structural Rating::R-PG20, Water Rating::3.13,
 FL ID::N/A, STC Rating::28, OITC Data::23

Unit Price: \$144.63

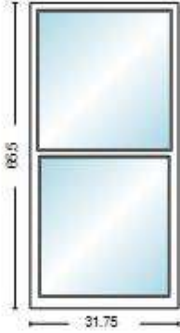
3500 Single Hung - Vent - CustomCustom

Extended Price: \$289.26

Exhibit H

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
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Line Item: 1200-1 Upstairs #5
 Quantity: 1
 RO Size: 32.25" X 66"
 Unit Size: 31.75" X 65.5"



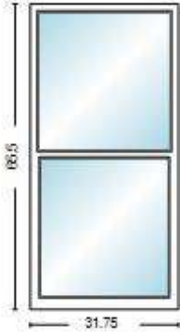
*** PRODUCT ***
 Row 1 3500 Single Hung - Vent - 1 Units - 31.75W x 65.5H
 *** DIMENSIONS ***
 31.75W x 65.5H
 *** FRAME ***
 East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White
 *** GLASS ***
 Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas,
 Glass Strength - SSB
 *** SCREEN ***
 Screen - Half, Screen Mesh Type - Charcoal Fiber, Screens Packed
 Separately - No
 *** WRAPPING ***
 Extension Jambes - None, Frame Trim - None
 *** NFRC ***
 Series 3500::SingleHung, U-Factor::0.3, SHGC::0.23, VT::0.45
 *** Performance ***
 Series 3500::SingleHung, Calculated Positive DP Rating::20.05,
 Calculated Negative DP Rating::20.05, DP Rule ID::3500 SH, Rating
 Type::DesignPressure, Structural Rating::R-PG20, Water Rating::3.13,
 FL ID::N/A, STC Rating::28, OITC Data::23

Unit Price: \$166.63
 Extended Price: \$166.63

3500 Single Hung - Vent - CustomCustom

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
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Line Item: 1300-1 Upstairs #6
 Quantity: 2
 RO Size: 32.25" X 66"
 Unit Size: 31.75" X 65.5"



*** PRODUCT ***
 Row 1 3500 Single Hung - Vent - 1 Units - 31.75W x 65.5H
 *** DIMENSIONS ***
 31.75W x 65.5H
 *** FRAME ***
 East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White
 *** GLASS ***
 Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas,
 Glass Strength - SSB
 *** SCREEN ***
 Screen - Half, Screen Mesh Type - Charcoal Fiber, Screens Packed
 Separately - No
 *** WRAPPING ***
 Extension Jambes - None, Frame Trim - None
 *** NFRC ***
 Series 3500::SingleHung, U-Factor::0.3, SHGC::0.23, VT::0.45
 *** Performance ***
 Series 3500::SingleHung, Calculated Positive DP Rating::20.05,
 Calculated Negative DP Rating::20.05, DP Rule ID::3500 SH, Rating
 Type::DesignPressure, Structural Rating::R-PG20, Water Rating::3.13,
 FL ID::N/A, STC Rating::28, OITC Data::23

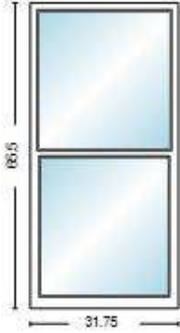
Unit Price: \$166.63
 Extended Price: \$333.26

3500 Single Hung - Vent - CustomCustom

Exhibit H

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
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Line Item: 1400-1 Upstairs #7
 Quantity: 1
 RO Size: 32.25" X 66"
 Unit Size: 31.75" X 65.5"



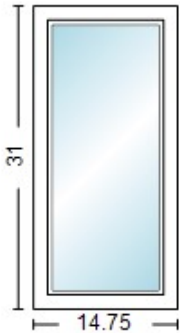
*** PRODUCT ***
 Row 1 3500 Single Hung - Vent - 1 Units - 31.75W x 65.5H
 *** DIMENSIONS ***
 31.75W x 65.5H
 *** FRAME ***
 East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White
 *** GLASS ***
 Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Argon Gas,
 Glass Strength - SSB
 *** SCREEN ***
 Screen - Half, Screen Mesh Type - Charcoal Fiber, Screens Packed
 Separately - No
 *** WRAPPING ***
 Extension Jambes - None, Frame Trim - None
 *** NFRC ***
 Series 3500::SingleHung, U-Factor::0.3, SHGC::0.23, VT::0.45
 *** Performance ***
 Series 3500::SingleHung, Calculated Positive DP Rating::20.05,
 Calculated Negative DP Rating::20.05, DP Rule ID::3500 SH, Rating
 Type::DesignPressure, Structural Rating::R-PG20, Water Rating::3.13,
 FL ID::N/A, STC Rating::28, OITC Data::23

Unit Price: \$166.63
 Extended Price: \$166.63

3500 Single Hung - Vent - CustomCustom

ITEM & SIZES	LOCATION / TAG	PRODUCT DESCRIPTION	UNIT PRICE / EXTENDED PRICE
--------------	----------------	---------------------	-----------------------------

Line Item: 1500-1 Attic
 Quantity: 1
 RO Size: 15.25" X 31.5"
 Unit Size: 14.75" X 31"



*** PRODUCT ***
 Row 1 3500 Picture Window - Fixed - 1 Units - 14.75W x 31H
 *** DIMENSIONS ***
 14.75W x 31H
 *** FRAME ***
 East, Vinyl, Frame Type - Finless, Sill Adapter, Exterior Color - White
 *** GLASS ***
 Glazing Type - Insulated, Glass Tint - Clear, HP Low-E, Capillary
 Tubes, Glass Strength - DSB
 *** WRAPPING ***
 Extension Jambes - None, Frame Trim - None
 *** NFRC ***
 Series 3500::DirectSet, U-Factor::0.31, SHGC::0.24, VT:0.47
 *** Performance ***
 Series 3500::DirectSet, Calculated Positive DP Rating::50.13,
 Calculated Negative DP Rating::50.13, DP Rule ID::3500 PW, Rating
 Type::DesignPressure, Structural Rating::LC-PG50*, Water
 Rating::7.52, FL ID::18644, STC Rating::27, OITC Data::23

Unit Price: \$78.13
 Extended Price: \$78.13

3500 Picture Window - Fixed - CustomCustom

Exhibit H

Total Unit Count:	29
Sub Total:	\$4,277.20
Freight:	\$0.00
Labor:	\$0.00
Sales Tax:	\$310.10
Total Order Price:	\$4,587.30

Please Note: All Window and Door orders are special order and cannot be returned or credited.

This Quotation is for estimate purposes only and all specs, sizes, options, colors, and quantities need to be verified by Contractor, Building Owner, Architect, Project Manager or any governing party before the order is placed. Any Modifications to the original quote will require a revised quotation to be verified.

Additionally, it is the responsibility of the contractor to verify that the windows specs meet all local and national building, fire and energy codes specific to the location of the project with the local code enforcement officer or town municipality.

After confirming the order for accuracy, provide your signature below for order approval.

This quotation is valid for 30 days unless otherwise noted.

THANK YOU FOR THE OPPORTUNITY TO PROVIDE YOU TRI-BUILT® WINDOWS!

Submitted By:	_____	Accepted By:	_____
	Please Print Name		Please Print Name
Signature:	_____	Signature:	_____
Date:	_____	Date:	_____

Product information and ratings in our Paradigm quoting tool are as accurate as possible from the latest release. We strive to have 100% accuracy between our quoting tool and order acknowledgements. However, the acknowledgment is the FINAL RATING for all products. Customers are responsible for verifying ratings on their acknowledgment. Differences should be immediately reported to paradigmsupport@miwd.com. All ratings are for individual windows and doors only. For information regarding mulled or stacked units, please contact your sales representative.

Exhibit H

Coastal Metal Service



SILICONIZED POLYESTER 29 Gauge and 26 Gauge

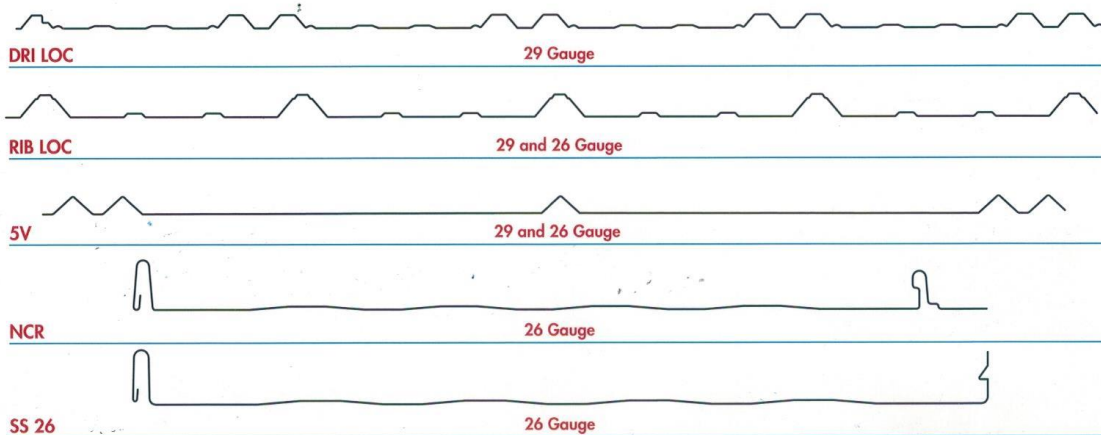
Coastal Metal Service
Goldsboro, NC
888-267-6153



Colors are represented as closely as possible.

* Available in 29 Gauge ONLY

Products Available



Visit us online at CoastalMetalService.com

WEATHERXL™ Coil Coating System

TECHNICAL DATA

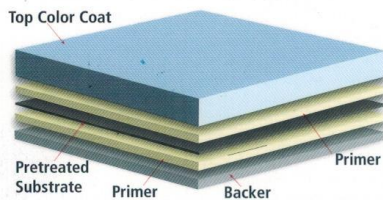
Specular Gloss at 60° ASTM D 523 ¹	20 to 80
Pencil Hardness ASTM D 3363	F to 2H
T-Bend ASTM D 4145 ¹	2T to 4T ¹ with no loss of adhesion
Cross Hatch Adhesion ASTM D 3359	No loss of adhesion
Reverse Impact ASTM D 2794 ¹	Galvalume® or HDG: 3x ¹ metal thickness inch-pounds, no loss of adhesion Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion
Humidity Resistance 100% RH 1,000 Hours ASTM D 2247 100% RH 2,000 Hours ASTM D 2247	Galvalume® or HDG: No field blisters Aluminum: No field blisters
Salt Spray Resistance 1,000 Hours ASTM B 117 2,000 Hours ASTM B 117	Galvalume® or HDG: Creep from scribe ≤ 1/8 inch (3mm), none or few #8 blisters Aluminum: Creep from scribe ≤ 1/8 inch (3mm), few #8 blisters
South Florida Exposure ASTM D 2244 ASTM D 659 ¹	Color: No more than 5ΔE Hunter units at 90° vertical angle and 7ΔE nonvertical at 30 yrs Chalk: Rating no less than 8 at 90° angle and 6 at non vertical angle at 30 yrs Film Integrity: 40 years, no cracking, flaking and peeling
Water Immersion 100° F 168 Hours ASTM D 870	No field blisters with minimal color change
Abrasion Resistance: ASTM D 968	Total sand = 35 ± 5 liters

APPLICATION CHARACTERISTICS

Application Method	Reverse roll coat
Substrate	Aluminum, HDG or Galvalume®
Dry Film Thickness ASTM D 4138	Top coat: 0.7 to 0.8 mils Primer: 0.2 to 0.3 mils Total system: 0.9 to 1.1 mils
Viscosity ASTM D 4212 (No. 4 Zahn cup)	25 to 45 seconds
Weight per Gallon ASTM D 1475	9.0 to 12.0 pounds per gallon
VOC (Theoretical) ASTM D 3960	3.0 to 4.0 pounds per gallon ¹
Peak Metal Temperature	420° to 450° F
Contains Lubricant	Yes
MEK Double Rubs ASTM D 5402	150 Plus

WEATHERXL COATING SYSTEM

WeatherXL is a two coat SMP resin system with a total Dry Film Thickness (DFT) of 0.9 to 1.1 mils.



Top coat: 0.7 to 0.8 mils Primer: 0.2 to 0.3 mils
Backer: 0.2 to 0.3 mils

(1) All substrates must be properly pretreated. (2) American Society for Testing and Materials. (3) WeatherXL is not designed to bridge cracks in the substrate. (4) Varies by color. (5) WeatherXL coatings will generally meet the requirements for most post-painted fabrication processes. However, variations in metal quality, thickness or cleaning/pretreatment applications can lead to diminished flexibility.

For details and health, safety and handling information, Material Safety Data Sheets (MSDS) are available at www.coil.sherwin.com.

WeatherXL™ is a registered trademark of The Sherwin-Williams Company. Galvalume® is a registered trademark of BIEC International, Inc.

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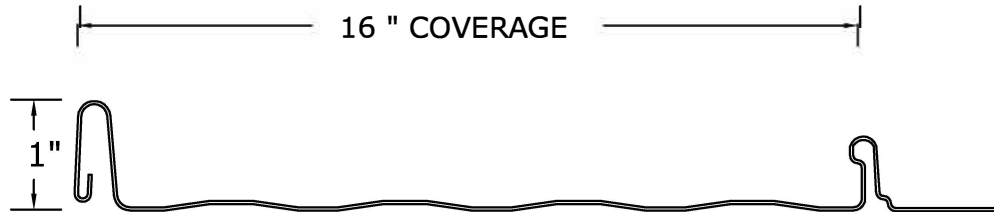
Sherwin-Williams Coil Coatings
Phone: 888-306-2645
Email: coilhelp@sherwin.com
www.coil.sherwin.com

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PROUDLY FINISHED WITH
SHERWIN-WILLIAMS.
Coil Coatings



NCR PANEL



**** ONLY AVAILABLE WITH STRIATIONS ****

-INSTALLATION-

NCR PANELS ARE INSTALLED ONLY OVER SOLID DECKING

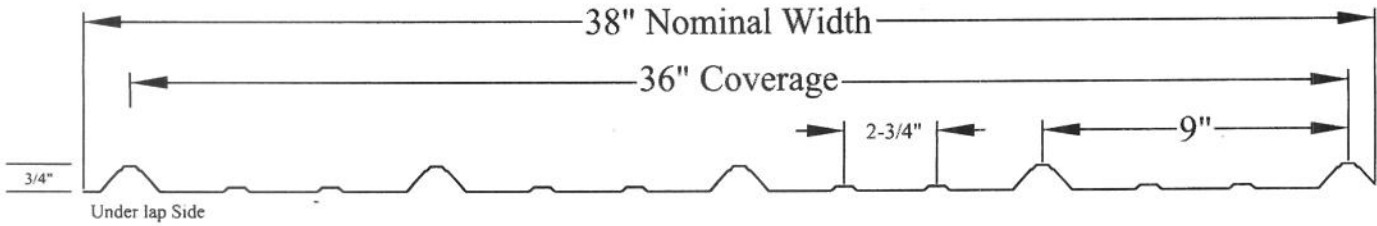
- 1- THE FIRST PANEL IS PLACED ON THE ROOF AT THE DESIRED START POINT.
- 2- A SCREW IS PLACED IN THE FLANGE OF THE PANEL AT 6" FROM THE EAVE. FROM THERE, A SCREW IS PLACED EVERY 2' ON CENTER.
- 3- THE NEXT PANEL IS PLACED ON THE ROOF WITH THE FEMALE LEG SNAPPING OVER THE MALE LEG.
- 4- WHEN INSTALLING, CARE MUST BE USED TO INSURE FASTENERS WILL ALLOW FOR THE EXPANSION AND CONTRACTION OF THE PANEL IN THE PROVIDED SLOTS.

-NOTES-

- SOLID DECKING IS REQUIRED FOR THIS PANEL
- NCR IS AN INTEGRAL PANEL. IT IS A FASTER INSTALLATION WITHOUT BATTENS. IT CAN ONLY BE INSTALLED IN ONE DIRECTION.
- IT IS PROTECTED BY A KYNAR 500/HYLAR 5000 PAINT SYSTEM OR A SILICONIZED POLYESTER PAINT SYSTEM.
- NCR IS MANUFACTURED FROM 24 OR 26 GAUGE STEEL.



RIB LOC[®]



RIB LOC[®]

panels are available in 29 gauge, 26 gauge, and 24 gauge AZ-50 Galvalume steel which is then painted with our Siliconized Polyester paint or Kynar 500[®] and Hylar 5000[®] paint system. Panels are also available in 26 gauge and 24 gauge AZ55 Acrylume and 29ga painted white G-90 Galvanized steel.

RIB LOC[®]

is custom cut to the inch in lengths from 3 feet to 40 feet. Lengths over 40 feet may be available with special inquiry.

RIB LOC[®]

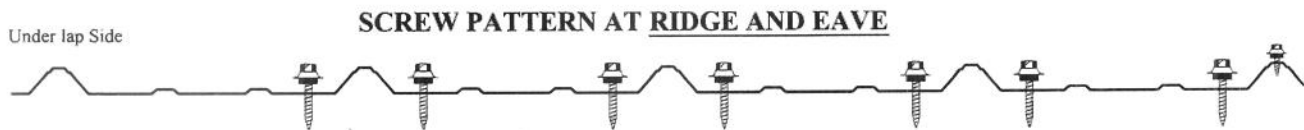
is available in 29 gauge G-90 unpainted Galvanized steel.

RIB LOC[®]

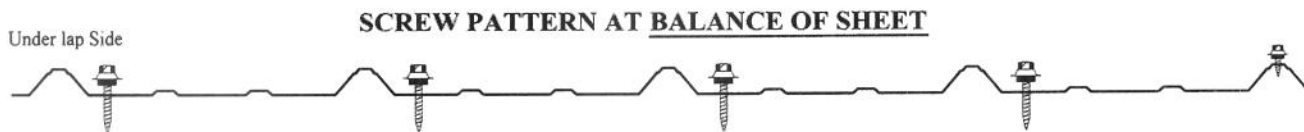
can be nailed or screwed to your structure.



If nailed, you should place the nail in the top of each rib at the peak, eave and end laps making sure not to over drive the nail. Use approximately one pound of nails per one hundred square feet.



If screwed, the screws should be placed in the flat pan adjacent to the ribs beginning with the side lap set of ribs. A lap screw should be placed in the top of the side lap rib.



If screwed, the screws should be placed in the flat pan adjacent to the ribs beginning with the side lap set of ribs. A lap screw should be placed in the top of the side lap rib. This will require approximately 70 screws per one hundred square feet.

APPLICATION AND STORAGE INSTRUCTIONS

- I. When used as roofing **SLOPE MUST BE 2 1/2" IN 12" OR GREATER.** A purlin spacing of 24" is recommended, however, 30" can be used.
- II. Start all roofing and siding at the end of the building away from the prevailing winds.
- III. If end laps are used, be sure the lap is 12" if slope is less than 4" in 12". A 6" lap may be used if slope is greater than 4" in 12".
- IV. Follow the recommended screw pattern. This will require approximately 70 screws per 100 square feet.

or

Follow the recommended nailing pattern. This will require approximately one pound of nails per 100 square feet. Nails **will** cause leaking if they are over-driven or under-driven into the panel.

- V. To determine the number of squares (100 square feet) in a panel you can multiply the total length of the panel by .031667.

EXAMPLE:

1. A panel 21 feet long ($21 \times .031667 = .665$ squares or 66 1/2 square feet per panel).
 2. 100 panels 21 feet long ($100 \times 21 = 2,100$ total feet and $2,100 \times .031667 = 66.50$ squares)
- VI. **If metal is not to be used immediately it must be stored in a DRY AREA.**
 - A. RAIN and/or **CONDENSATION WILL CAUSE WHITE RUST.** Never let water stand on sheets or bundles.
 - B. If metal must be covered, **DO NOT SEAL IN PLASTIC.** Metal must be allowed to breath and have air circulate around it, otherwise WHITE RUST MAY OCCUR.
 - C. Never store metal on the ground without blocking between the metal and the ground.

Exhibit I