



CAMBRIDGE HISTORICAL COMMISSION

831 Massachusetts Avenue, 2nd Fl., Cambridge, Massachusetts 02139

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RECEIVED

JUL 23 2018

CAMBRIDGE HISTORICAL COMMISSION

APPLICATION FOR CERTIFICATE

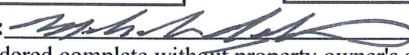
1. The undersigned hereby applies to the Cambridge Historical Commission for a Certificate of **(check one box):** Appropriateness, Nonapplicability, or Hardship, in accordance with Chapter 40C of the Massachusetts General Laws and/or Chapter 2.78 of the Municipal Code.

2. Address of property: , Cambridge, Massachusetts

3. Describe the proposed alteration(s), construction or demolition in the space provided below: (An additional page can be attached, if necessary).

Christ Church Cambridge is looking to replace the steel windows on the Parish House (built circa 1948) with similarly designed aluminum windows. Most of the existing steel windows have degraded (i.e. rust, inadequate seal around glass panes, fail to open) and are inefficient. The replacement windows will be custom manufactured to maintain a similar appearance and style, but will have different mechanisms for opening and closing. If approved, Christ Church Cambridge will replace approximately 2/5 of the windows this year, in coordination with an internal renovation, and 3/5 next year.

I certify that the information contained herein is true and accurate to the best of my knowledge and belief. The undersigned also attests that he/she has read the statements printed on the reverse.

Name of Property Owner of Record:	<input type="text" value="Christ Church Cambridge"/>		
Mailing Address:	<input type="text" value="0 Garden Street"/>		
Telephone/Fax:	<input type="text" value="(617) 876-0200 ext. 220"/>	E-mail:	<input type="text" value="mrj@cccbridge.org"/>
Signature of Property Owner of Record:			
(Required field; application will not be considered complete without property owner's signature)			
Name of proponent, if not record owner:	<input type="text"/>		
Mailing Address:	<input type="text"/>		
Telephone/Fax:	<input type="text"/>	E-mail:	<input type="text"/>

(for office use only):			
Date Application Received:	<input type="text" value="7/23/18"/>	Case Number:	<input type="text" value="3979"/>
		Hearing Date:	<input type="text" value="8/9/18"/>
Type of Certificate Issued:	<input type="text"/>	Date Issued:	<input type="text"/>

Quote #: 11101

Billing Information: UWD - Universal Window & Door 303 Mechanic Street Marlborough MA 01752 Phone 508-481-2850 Fax:	Shipping Information: Universal Window & Door 303 Mechanic Street Marlborough MA 01752 Phone Fax:	Project: Christ Church Quote Name: #700 Creation Date: 2/22/2018 Carrier: Payment Terms: NET30 Customer Number: 12032 PO Number:
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Job Comments:

Line	Qty	Product Description
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100-1 4 **TTT Frame Size: 60" x 96"**

Notes:

Mark: A

*** PRODUCT ***

- Row 1: Series 700 Direct Set Fixed 60 x 16
- Row 2: Series 700 Awning Project Out Awning 60 x 32
- Row 3: Series 700 Direct Set Fixed 60 x 16
- Row 4: Series 700 Direct Set Fixed 60 x 32

*** HARDWARE ***

Four Bar Hinge
*** OPERATORS ***

Cam Handles
*** SCREEN ***

Standard Screen, Exterior Applied, Full Window, Fiberglass Mesh

*** GLASS ***

- Unit 1, 3, 4: Double IG, RLE Softcoat, 1 1/8" IG, Argon Gas Fill, Inside Lite: 1/8", Outside Lite: 1/8"
- Unit 2: Double IG, RLE Softcoat, 1 1/8" IG, No Gas, Inside Lite: 1/8", Outside Lite: 1/8"

*** COLOR ***

Baked Acrylic, White
*** GRIDS ***

Unit 1, 3: Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No, Grid Color = Window Exterior Color Same, 3W1H

Unit 2, 4: Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No, Grid Color = Window Exterior Color Same, 3W2H

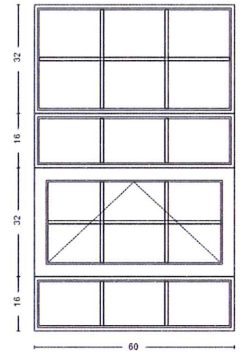
*** MULLS ***

- Mulls 1: Horizontal Factory Mull 0" thick, 60" length
- Mulls 2: Horizontal Factory Mull 0" thick, 60" length
- Mulls 3: Horizontal Factory Mull 0" thick, 60" length

*** Wrapping Surcharges ***

Factory Attached Wrapping
Wrapping 2 Factory Attached? = No, Trim804@ Head, Trim804@ LJ, Trim804@ RJ, Trim804@ Sill, Continuous Clip

Wrapping 1 Factory Attached? = Yes, Wrapping 1 Header = Fin020 - 700 Snap on Fin, Wrapping 1 Left Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Right Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Sill = Fin020 - 700 Snap on Fin 60, 96



Line	Qty	Product Description
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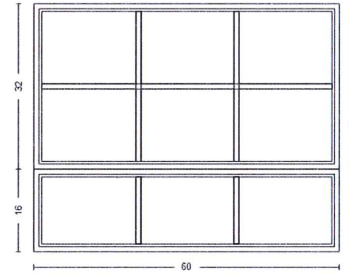
100-2 4 **TTT Frame Size: 60" x 96"**

Notes:
Mark: A
MISC/TRIM 2

Line	Qty	Product Description
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200-1 1 **TTT Frame Size: 60" x 48"**

Notes:
Mark: B
*** PRODUCT ***
Row 1: Series 700 Direct Set Fixed 60 x 16
Row 2: Series 700 Direct Set Fixed 60 x 32
*** GLASS ***
Double IG, RLE Softcoat, 1 1/8" IG, Argon Gas Fill, Inside Lite: 1/8", Outside Lite: 1/8"
*** COLOR ***
Baked Acrylic, White
*** GRIDS ***
Unit 1: Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No, Grid Color = Window Exterior Color Same, 3W1H
Unit 2: Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No, Grid Color = Window Exterior Color Same, 3W2H
*** MULLS ***
Horizontal Factory Mull 0" thick, 60" length
60, 48
*** Wrapping Surcharges ***
Factory Attached Wrapping
Wrapping 2 Factory Attached? = No, Trim804@ Head, Trim804@ LJ, Trim804@ RJ, Trim804@ Sill, Continuous Clip
Wrapping 1 Factory Attached? = Yes, Wrapping 1 Header = Fin020 - 700 Snap on Fin, Wrapping 1 Left Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Right Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Sill = Fin020 - 700 Snap on Fin



Line	Qty	Product Description
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200-2 1 **TTT Frame Size: 60" x 48"**

Notes:
Mark: B
MISC/TRIM 2

Line	Qty	Product Description
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300-1 5 **TTT Frame Size: 60" x 66"**

Notes:

Mark: C

*** PRODUCT ***

Row 1: Series 700 Direct Set Fixed 60 x 16 1/2

Row 2: Series 700 Awning Project Out Awning 60 x 33

Row 3: Series 700 Direct Set Fixed 60 x 16 1/2

*** HARDWARE ***

Four Bar Hinge

*** OPERATORS ***

Cam Handles

*** SCREEN ***

Standard Screen, Exterior Applied, Full Window, Fiberglass Mesh

*** GLASS ***

Unit 1, 3: Double IG, RLE Softcoat, 1 1/8" IG, Argon Gas Fill, Inside Lite: 1/8", Outside Lite: 1/8"

Unit 2: Double IG, RLE Softcoat, 1 1/8" IG, No Gas, Inside Lite: 1/8", Outside Lite: 1/8"

*** COLOR ***

Baked Acrylic, White

*** GRIDS ***

Unit 1, 3: Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No, Grid Color = Window Exterior Color Same, 3W1H

Unit 2: Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No, Grid Color = Window Exterior Color Same, 3W2H

*** MULLS ***

Mulls 1: Horizontal Factory Mull 0" thick, 60" length

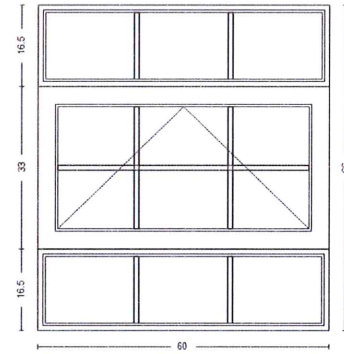
Mulls 2: Horizontal Factory Mull 0" thick, 60" length

*** Wrapping Surcharges ***

Factory Attached Wrapping

Wrapping 2 Factory Attached? = No, Trim804@ Head, Trim804@ LJ, Trim804@ RJ, Trim804@ Sill, Continuous Clip

Wrapping 1 Factory Attached? = Yes, Wrapping 1 Header = Fin020 - 700 Snap on Fin, Wrapping 1 Left Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Right Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Sill = Fin020 - 700 Snap on Fin 60, 66



Line	Qty	Product Description
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300-2 5 **TTT Frame Size: 60" x 66"**

Notes:

Mark: C

MISC/TRIM 2

Line	Qty	Product Description
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400-1 10 TTT Frame Size: 40" x 66"

Notes:

Mark: D

*** PRODUCT ***

Row 1: Series 700 Direct Set Fixed 40 x 16 1/2

Row 2: Series 700 Awning Project Out Awning 40 x 33

Row 3: Series 700 Direct Set Fixed 40 x 16 1/2

*** HARDWARE ***

Four Bar Hinge

*** OPERATORS ***

Cam Handles

*** SCREEN ***

Standard Screen, Exterior Applied, Full Window, Fiberglass Mesh

*** GLASS ***

Unit 1, 3: Double IG, RLE Softcoat, 1 1/8" IG, Argon Gas Fill, Inside Lite: 1/8", Outside Lite: 1/8"

Unit 2: Double IG, RLE Softcoat, 1 1/8" IG, No Gas, Inside Lite: 1/8", Outside Lite: 1/8"

*** COLOR ***

Baked Acrylic, White

*** GRIDS ***

Unit 1, 3: Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No, Grid Color = Window Exterior Color Same, 2W1H

Unit 2: Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No, Grid Color = Window Exterior Color Same, 2W2H

*** MULLS ***

Mulls 1: Horizontal Factory Mull 0" thick, 40" length

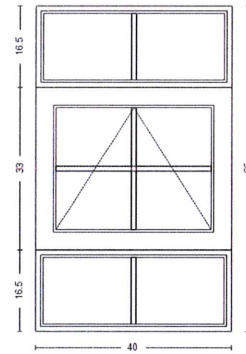
Mulls 2: Horizontal Factory Mull 0" thick, 40" length

*** Wrapping Surcharges ***

Factory Attached Wrapping

Wrapping 2 Factory Attached? = No, Trim804@ Head, Trim804@ LJ, Trim804@ RJ, Trim804@ Sill, Continuous Clip

Wrapping 1 Factory Attached? = Yes, Wrapping 1 Header = Fin020 - 700 Snap on Fin, Wrapping 1 Left Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Right Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Sill = Fin020 - 700 Snap on Fin 40, 66



Line	Qty	Product Description
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400-2 10 TTT Frame Size: 40" x 66"

Notes:

Mark: D

MISC/TRIM 2

Line	Qty	Product Description
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500-1 | 4 | **TTT Frame Size: 40" x 50"**

Notes:

Mark: E

*** PRODUCT ***

Row 1: Series 700 Direct Set Fixed 40 x 16 1/2

Row 2: Series 700 Awning Project Out Awning 40 x 33 1/2

*** HARDWARE ***

Four Bar Hinge

*** OPERATORS ***

Cam Handles

*** SCREEN ***

Standard Screen, Exterior Applied, Full Window, Fiberglass Mesh

*** GLASS ***

Unit 1: Double IG, RLE Softcoat, 1 1/8" IG, Argon Gas Fill, Inside Lite: 1/8", Outside Lite: 1/8"

Unit 2: Double IG, RLE Softcoat, 1 1/8" IG, No Gas, Inside Lite: 1/8", Outside Lite: 1/8"

*** COLOR ***

Baked Acrylic, White

*** GRIDS ***

Unit 1: Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No,

Grid Color = Window Exterior Color Same, 2W1H

Unit 2: Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No,

Grid Color = Window Exterior Color Same, 2W2H

*** MULLS ***

Horizontal Factory Mull 0" thick, 40" length

*** Wrapping Surcharges ***

Factory Attached Wrapping

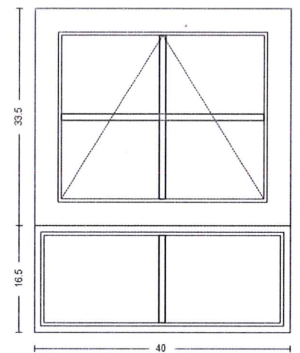
Wrapping 2 Factory Attached? = No, Trim804@ Head, Trim804@ LJ, Trim804@ RJ, Trim804@ Sill, Continuous Clip

Wrapping 1 Factory Attached? = Yes, Wrapping 1 Header =

Fin020 - 700 Snap on Fin, Wrapping 1 Left Jamb = Fin020 -

700 Snap on Fin, Wrapping 1 Right Jamb = Fin020 - 700

Snap on Fin, Wrapping 1 Sill = Fin020 - 700 Snap on Fin 40, 50



Line	Qty	Product Description
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500-2 | 4 | **TTT Frame Size: 40" x 50"**

Notes:

Mark: E

MISC/TRIM 2

Line	Qty	Product Description
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600-1 | 2 | **TTT Frame Size: 81" x 66"**

Notes:

Mark: F

***** PRODUCT *****

- Row 1: Series 700 Direct Set Fixed 20 1/2 x 66
- Row 2: Series 700 Direct Set Fixed 40 x 16 1/2
- Row 3: Series 700 Direct Set Fixed 20 1/2 x 66
- Row 4: Series 700 Awning Project Out Awning 40 x 33
- Row 5: Series 700 Direct Set Fixed 40 x 16 1/2

***** HARDWARE *****

Four Bar Hinge

***** OPERATORS *****

Cam Handles

***** SCREEN *****

Standard Screen, Exterior Applied, Full Window, Fiberglass Mesh

***** GLASS *****

- Unit 1, 2, 3, 5: Double IG, RLE Softcoat, 1 1/8" IG, Argon Gas Fill, Inside Lite: 1/8", Outside Lite: 1/8"
- Unit 4: Double IG, RLE Softcoat, 1 1/8" IG, No Gas, Inside Lite: 1/8", Outside Lite: 1/8"

***** COLOR *****

Baked Acrylic, White

***** GRIDS *****

- Unit 1, 3: Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No, Grid Color = Window Exterior Color Same, 1W4H
- Unit 2, 5: Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No, Grid Color = Window Exterior Color Same, 2W1H
- Unit 4: Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No, Grid Color = Window Exterior Color Same, 2W2H

***** MULLS *****

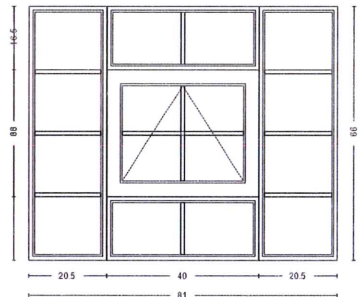
- Mulls 1: Vertical Factory Mull 0" thick, 66" length
- Mulls 2: Vertical Factory Mull 0" thick, 66" length
- Mulls 3: Horizontal Factory Mull 0" thick, 40" length
- Mulls 4: Horizontal Factory Mull 0" thick, 40" length

***** Wrapping Surcharges *****

Factory Attached Wrapping

Wrapping 2 Factory Attached? = No, Trim804@ Head, Trim804@ LJ, Trim804@ RJ, Trim804@ Sill, Continuous Clip

Wrapping 1 Factory Attached? = Yes, Wrapping 1 Header = Fin020 - 700 Snap on Fin, Wrapping 1 Left Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Right Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Sill = Fin020 - 700 Snap on Fin
81, 66



Line	Qty	Product Description
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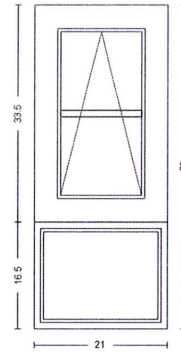
600-2 | 2 | **TTT Frame Size: 81" x 66"**

Notes:

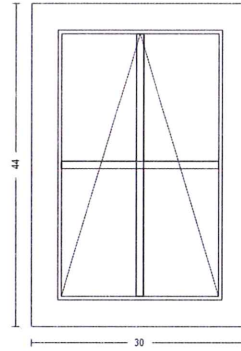
Mark: F

MISC/TRIM 2

Line	Qty	Product Description
700-1	1	TTT Frame Size: 21" x 50" Notes: Mark: G *** PRODUCT *** Row 1: Series 700 Direct Set Fixed 21 x 16 1/2 Row 2: Series 700 Awning Project Out Awning 21 x 33 1/2 *** HARDWARE *** Four Bar Hinge *** OPERATORS *** Cam Handles *** SCREEN *** Standard Screen, Exterior Applied, Full Window, Fiberglass Mesh *** GLASS *** Unit 1: Double IG, RLE Softcoat, 1 1/8" IG, Argon Gas Fill, Inside Lite: 1/8", Outside Lite: 1/8" Unit 2: Double IG, RLE Softcoat, 1 1/8" IG, No Gas, Inside Lite: 1/8", Outside Lite: 1/8" *** COLOR *** Baked Acrylic, White *** GRIDS *** Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No, Grid Color = Window Exterior Color Same, 1W2H *** MULLS *** Horizontal Factory Mull 0" thick, 21" length *** Wrapping Surcharges *** Factory Attached Wrapping Wrapping 2 Factory Attached? = No, Trim804@ Head, Trim804@ LJ, Trim804@ RJ, Trim804@ Sill, Continuous Clip Wrapping 1 Factory Attached? = Yes, Wrapping 1 Header = Fin020 - 700 Snap on Fin, Wrapping 1 Left Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Right Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Sill = Fin020 - 700 Snap on Fin 21, 50
700-2	1	TTT Frame Size: 21" x 50" Notes: Mark: G MISC/TRIM 2



Line	Qty	Product Description
800-1	1	TTT Frame Size: 30" x 44" Notes: Mark: H *** PRODUCT *** Series 700 Awning Project Out Awning 30 x 44 *** OPERATORS *** Cam Handles *** HARDWARE *** Four Bar Hinge *** COLOR *** Baked Acrylic, White *** SCREEN *** Standard Screen, Exterior Applied, Full Window, Fiberglass Mesh *** GLASS *** Double IG, RLE Softcoat, 1 1/8" IG, No Gas, Inside Lite: 1/8", Outside Lite: 1/8" *** GRIDS *** Grids, Standard Rectangular, GBG: 72-21186, Exterior: Grid-105, Interior: None, Grid Frame Only = No, Grid Color = Window Exterior Color Same, 2W2H 30, 44 *** Wrapping Surcharges *** Factory Attached Wrapping Wrapping 2 Factory Attached? = No, Trim804@ Head, Trim804@ LJ, Trim804@ RJ, Trim804@ Sill, Continuous Clip Wrapping 1 Factory Attached? = Yes, Wrapping 1 Header = Fin020 - 700 Snap on Fin, Wrapping 1 Left Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Right Jamb = Fin020 - 700 Snap on Fin, Wrapping 1 Sill = Fin020 - 700 Snap on Fin



Line	Qty	Product Description
800-2	1	TTT Frame Size: 30" x 44" Notes: Mark: H MISC/TRIM 2

Thank you for the opportunity to quote your project.

MATERIALS ONLY

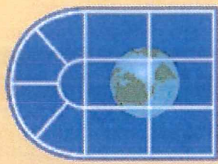
**Installation - Anchors - Flashing - Shop Drawings - Field Measurements
 NOT INCLUDED UNLESS NOTED ABOVE**

THIS QUOTED PRICE GOOD FOR 30 DAYS

SERIES 700

Historic Steel and Wood Replica Windows

Heavy Commercial



UNIVERSAL

Window and Door

Heavy Commercial Steel Replica Wood Replica

DETAILS

- Specially designed for the narrow sightline needs of historic projects, approved on NPS funded buildings
- Fixed to vent sightlines can be made even, or stepped to faithfully meet design goals
- Multiple grid options to create Simulated Divided Lite (SDL), exterior, between glass or interior
- Designed with flexibility for single opening systems, Allows replication of steel "floating vent" windows
- Utilizes complete Thermal Break vent and master frame for optimal insulating
- Features 1 1/8" clear insulating glass made with Super Spacer, the world's only TrueWARM edge technology
- Interior bead glazed for easy repair and insulation
- Heavy duty 4 bar stainless hinges with brass slide
- Cost effective: Installed at fraction of the cost to refurbish, or replace with new steel windows.

Performance

AAMA/WDMA/CSA101/152/A440-05

Structural Rating:
AP-HC 80 @ 60" x 36"
Outward Projecting

Uniform Structural Load:
120 psf

Water Resistance:
@ 15 psf: No Entry

Air Infiltration:
@ 6.24 psf: 10 cfm

Options

- Glass:** Low-E, Soft-Coat, Solar Control, Argon, Tempered, Obscure, Wire or Spandrel
- Operators:** Roto-op or Under-screen Push Bar hardware
- Wrapping Systems:** Exterior Panning Systems, Interior Trim Systems, Receptor Systems
- Flange Frame**
- Backer Rod Stops, Installation Clips**
- Mull Systems:** Self-Mulling, I-Mullions
- Structural Mullions**
- Finishes:** Special finishes and custom architectural finishes are available
- Internal, External and Interior Grids**

Specifications

General: All projecting windows are the thermally improved Series 700 as manufactured by Universal Window and Door. They include all necessary hardware and related items described and shown on the plans.

Material: Aluminum used is heavy commercial quality extruded aluminum 6063-T5 alloy with an internal polyurethane-filled structural thermal barrier. Frame and sash are designed for inside glazing using snap-in aluminum extruded bead.

Construction: All ventilator corners shall be mitered and reinforced with extruded keys that are crimped into place. All joints are sealed weathertight. Corners of frame are closely fitted, telescoped, butt-jointed and tightly joined by mechanical means. Ventilator sections will be double weather-stripped, with flexible EPDM seals keyed into extruded grooves.

Glazing: At frames and vents, all glazing legs are 3/4" high with an inside surface to secure glazing tape or extruded EPDM seals. Glazing beads are extruded, snap-in type, no less than .050" and accommodate up to and including 1 1/8" glass, panels or louvers.

Finish: Aluminum surfaces on the Series 700 are undercoated with a 5-stage chromate pre-treatment, then have an electrostatically applied, baked-on enamel finish conforming to AAMA 603.8 standards. Standard colors are white, black, bronze, green and beige. Special colors, architect-specified finishes and anodized finishes are available at an added cost.

Hardware: Universal's ventilator windows incorporate two four-bar, heavy duty friction hinge assemblies securely fastened to the frame and vent members, operating in a track provided with an adjustable brass friction shoe that conceals when closed. Standard locking hardware consists of cam locking handles cast of white bronze, and secured with stainless steel fasteners.

Screens: The optional screens have extruded aluminum frames securely joined at the corners, and finish will match that of the window frame. Projected window frames feature a wicket door as standard. Screen cloth is 18 x 16 mesh fiberglass standard. **WARNING:** Insect screens are in-tended to provide reasonable insect control, and are not intended to provide for the retention of objects or persons from the interior.

Thermal Barrier: The thermal barrier consists of a two-part, chemically curing, high strength polyurethane casting resin. This barrier provides a continuous, uninterrupted break around the entire perimeter of the frame and vent, and it is not bridged by any metals, conductors or other materials.

Erection: Window frames must be installed straight, plumb and level without springing or twisting, and securely fastened in place in accordance with manufacturer details and appropriate building codes. Windows are to be caulked with a suitable compound and using appropriate joint design to accomplish a thoroughly water-tight installation around the interior and exterior perimeter of the window frame and wall opening. Intersecting joints, mullions, and panning must be sealed to address field conditions.

additional info from web. -SB



UNIVERSAL WINDOW AND DOOR, LLC
 303 Machine Street
 60453-0199 / 800-441-2550
 www.universalwindow.com

PROJECT NAME
 700 STEEL WINDOW
 DETAILS

CLIENT

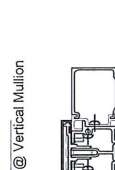
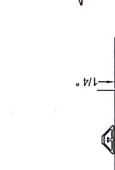
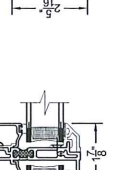
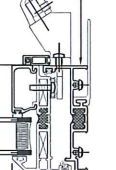
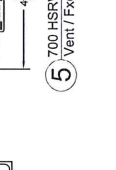
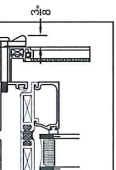
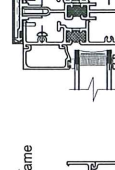
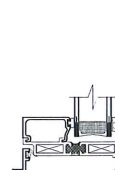
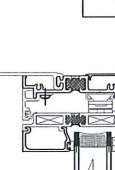
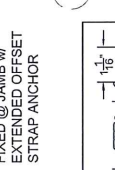
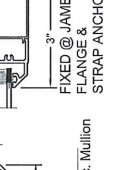
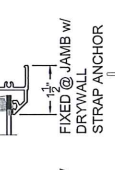
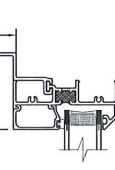
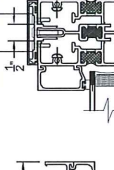
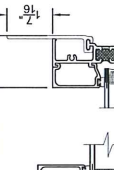
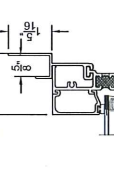
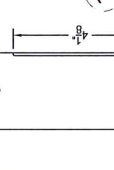
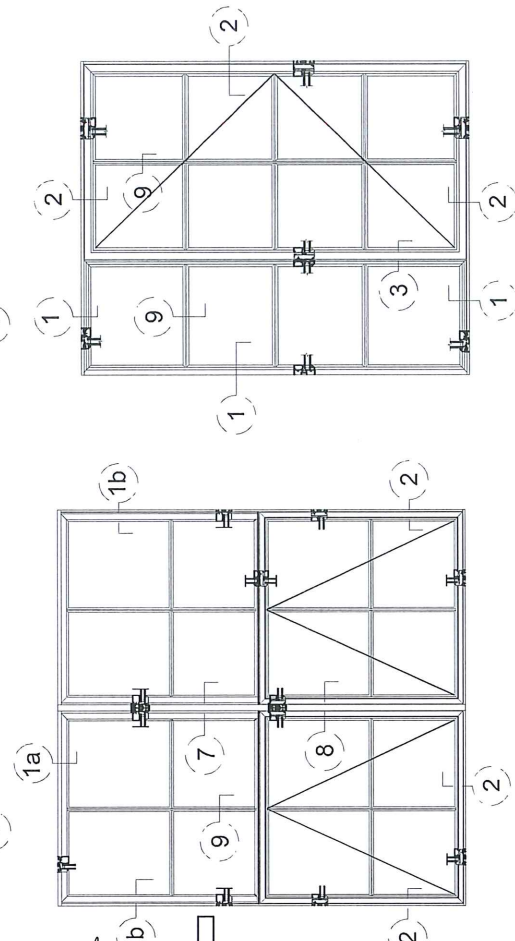
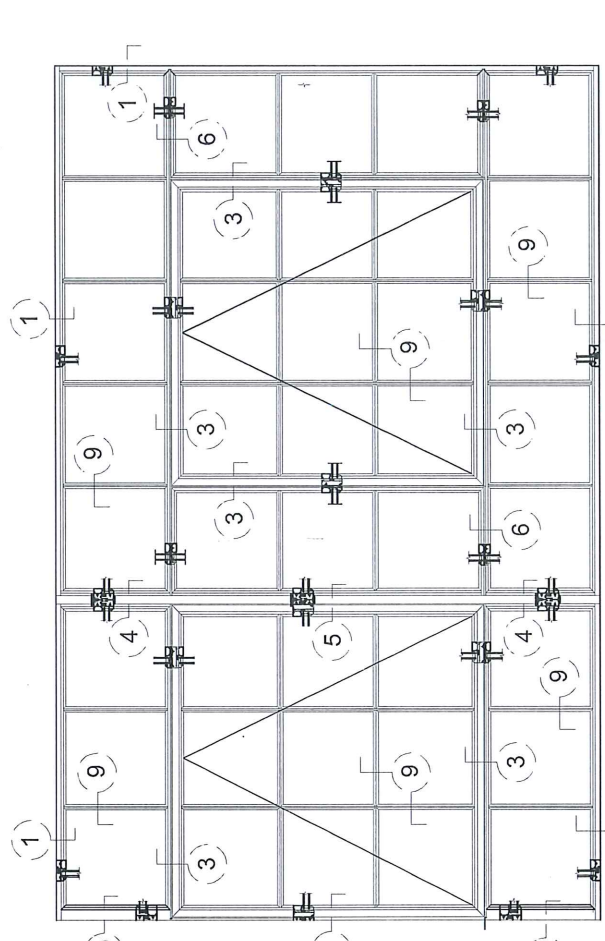
PROJECT TEAM

REVISIONS

NO.	DATE	SUBJECT

DRAWING INFORMATION
 DATE OF ISSUE
 TITLE
 DRAWN BY
 CHECKED BY
 PROJECT NO.
 SHEET NO.

DRAWING NUMBER
W-1





SERIES 700 STEEL REPLICA

Projected / Fixed

PERFORMANCE

- AAMA/WDMA/CSA101/1S2/A440-05
- Structural rating AP-HC 80, @ 60x36"
- Outward Projecting
- Uniform Structural Load: 120psf
- Water Resistance: @ 15 psf. No entry
- Air Infiltration @ 6.24 psf: .10 cfm

OPTIONS

- Glazing: All types available including Low-E, Soft Coat, Solar Control, Argon,
- Tempered, Obscure, Wire or Spandrel. Refer to glass specifications.
- Exterior Panning Systems (square and colonial types)
- Interior Trim System
- Receptor Systems
- Self-Mulling, I-Mullions or Structural Mullions
- Flange Frame, Backer Rod Stops, Installation Clips
- Special finishes and custom Architectural finishes
- Internal or external Grids

SPECIFICATIONS

General: All projecting windows are the thermally improved Series 700 as manufactured by Universal Window and Door. They include all necessary hardware and related items described and shown on the plans.

Material: Aluminum used is heavy commercial quality extruded aluminum 6063-T5 alloy with an internal polyurethane-filled structural thermal barrier.

Frame and sash are designed for inside glazing using snap-in aluminum extruded bead.

Construction: All ventilator corners shall be mitered and reinforced with extruded keys that are crimped into place. All joints are sealed weathertight. Corners of frame are closely fitted, telescoped, butt-jointed and tightly joined by mechanical means. Ventilator sections will be double weather-stripped, with flexible EDPM seals keyed into extruded grooves.

Hardware: Universal's ventilator windows incorporate two four-bar, heavy duty friction hinge assemblies securely fastened to the frame and vent members, operating in a track provided with an adjustable brass friction shoe that conceals when closed. Standard locking hardware consists of cam locking handles cast of white bronze, and secured with stainless steel fasteners.

Glazing: At frames and vents, all glazing legs are 3/4" high with an inside surface to secure glazing tape or extruded EPDM seals. Glazing beads are extruded, snap-in type, no less than .050" and accommodate up to and including 1 1/8" glass, panels or louvers.

Screens: The optional screens have extruded aluminum frames securely joined at the corners, and finish will match that of the window frame. Projected window frames feature a wicket door as standard. Screen cloth is 18 x 16 mesh fiberglass standard. **WARNING:** Insect screens are in-tended to provide reasonable insect control, and are not intended to provide for the retention of objects or persons from the interior.

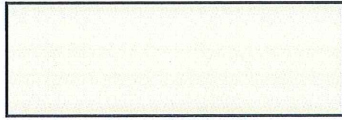
Thermal Barrier: The thermal barrier consists of a two-part, chemically curing, high strength polyurethane casting resin. This barrier provides a continuous, uninterrupted break around the entire perimeter of the frame and vent, and it is not bridged by any metals, conductors or other materials.

Finish: Aluminum surfaces on the Series 700 are undercoated with a 5-stage chromate pre-treatment, then have an electrostatically applied, baked-on enamel finish conforming to AAMA 603.8 standards. Standard colors are white, black, bronze, green and beige. Special colors, architect-specified finishes and anodized finishes are available at an added cost.

Erection: Window frames must be installed straight, plumb and level without springing or twisting, and securely fastened in place in accordance with manufacturer details and appropriate building codes. Windows are to be caulked with

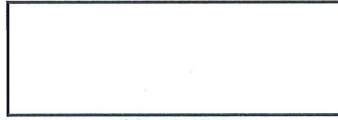
a suitable compound and using appropriate joint design to accomplish a thoroughly water-tight installation around the interior and exterior perimeter of the window frame and wall opening. Intersecting joints, mullions, and panning must be sealed to address field conditions.

COLORS



Ivory UC118970

Ivory



White UC92428

White



Dark Bronze UC122142

Dark Bronze



Green UC118952

Hartford Green



Black UC85511

Black

FINISHES



2603

Acrylic Paint

AAMA 2603



2604

Superdynapon®

AAMA 2604 - Superdynapon



2604

50% PVDF Fluoropolymer

AAMA 2604 - Kynar



2605

70% PVDF Fluoropolymer

AAMA 2605 - Kynar
