



D

WINDOWS

- Series 7200/7300
 - Series 7400
 - Series 7500/7600
 - Series 8000/8100/8200
 - Accessory Hardware
-

Toll Free Phone Service
(800) 262-5151

Toll Free Fax Service
(866) 262-3299

U.S. and Canada

GRL[®]
U.S. ALUMINUM

usalum.com



Hall Hawk at The University of Hartford
West Hartford, CT

U.S. Aluminum Windows are offered in a number of configurations to meet typical and specialized building conditions. Fixed and operable versions can be retrofit into existing openings or incorporated into window wall systems for new construction. Projected and casement type windows feature quality operating hardware for years of trouble-free service. Locking hardware options assure security, and integrated weatherstripping provides an airtight seal when closed. An array of architectural coatings and anodized finishes can be selected to provide windows that will complement the structure's aesthetic appeal. Accessories such as screens, mulling bars, subsills, head and jamb channels are available to complete the installation.

SYSTEM

PAGES

- **Series 7200/7300 Operable and Fixed.....01-D1 thru 15-D1**
- **Series 7400 Operable.....01-D2 thru 10-D2**
- **Series 7500 Concealed Vent01-D3 thru 11-D3**
- **Series 7600 Concealed Vent01-D4 thru 08-D4**
- **Series 8000/8100/8200 Single Hung, Fixed, and Horizontal Sliding01-D5 thru 09-D5**
- **Accessory Hardware10-D5 thru 12-D5**

For information or other assistance, use our toll free phone
or fax service numbers from anywhere in the U.S. or Canada

Toll Free Phone (800) 262-5151

Toll Free Fax (866) 262-3299

Contact us through our web site at usalum.com

Table of Contents

Operable and Fixed Windows

- Series 7200
- Series 7300

SECTION D1

PAGE

SPECIFICATIONS02-D1 and 03-D1

SPECIAL FEATURES04-D1

TYPICAL DETAILS FIXED AND PROJECTED, 1" (25) GLASS05-D1 thru 07-D1

TYPICAL DETAILS WITH SERIES 3250 CURTAIN WALL 1" (25) GLASS08-D1

TYPICAL DETAILS WITH SERIES IT451 CENTER GLAZE STOREFRONT 1" (25) GLASS09-D1

TYPICAL DETAILS WITH ES350 WINDOW WALL 1" (25) GLASS10-D1

TYPICAL DETAILS FIXED AND PROJECTED, 1/4" (6) GLASS11-D1 thru 13-D1

OPTIONAL ACCESSORIES14-D1

HARDWARE SCHEDULE AND GLASS SIZE FORMULAS15-D1



Project: Los Angeles Valley College, Los Angeles, CA

Due to the diversity in state/provincial, local, and federal laws and codes that govern the design and application of architectural products, it is the responsibility of the individual architect, owner, and installer to ensure that products selected for use on projects comply with all applicable building codes and laws. U.S. Aluminum exercises no control over the use or application of its products, glazing materials, and operating hardware, and assumes no responsibility thereof.

The rapidly changing technology within the architectural aluminum products industry demands that U.S. Aluminum reserve the right to revise, discontinue or change any product line, specification or electronic media without prior written notice.

NOTE: Dimensions in parentheses () are millimeters unless otherwise noted.

- Other metric units shown in this publication are:
- m - meter
 - Pa - pascal
 - MPa - megapascal
 - Kg - kilogram
 - KPa - kilopascal

Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

Specifications

Operable and Fixed Windows

SECTION 08 51 13 ALUMINUM WINDOWS

- Series 7200
- Series 7300

Drawings and specifications are based on the Series (*specify*) 7200 or 7300 Windows as manufactured by U.S. Aluminum. Whenever substitute products are to be considered, supporting technical literature, samples, drawings, and performance data must be submitted 10 days prior to bid in order to make a valid comparison of the products involved. Test reports certified by an AAMA independent test laboratory must be made available upon request.

PART 1 GENERAL

1.01 Work Included

- A. Furnish all necessary materials, labor, and equipment for the complete installation of aluminum windows as shown on the drawings and specified herein.
- B. Work Not Included: Structural support of the window system, interior closures, trim. (*Specifier list other exclusions*).

1.02 Related Work

Section 08 40 00 - Entrances and Storefronts
Section 08 44 00 - Glazed Curtain Walls
Section 08 50 00 - Windows

1.03 Testing and Performance Requirements

- A. Test Units
 1. Air, water, and structural test unit sizes and configuration shall conform to requirement set forth in ANSI/AAMA 101-93 or CSA-A440-98.
- B. Test Procedures and Performance
 1. Standards:
 - a. Windows shall conform to all requirements for the window type(s) referenced in ANSI/AAMA 101/I.S.2-97, or CSA-A440-98. In addition, the following specific performance requirements shall be met.

2. Air Infiltration Test
 - a. With window sash and ventilators closed and locked, test unit in accordance with ASTM E 283 at static air pressure difference of 6.24 or 75 Pa (1.5 psf).
 - b. Air infiltration shall not exceed .10 CFM per foot or .25 m³/h-m of perimeter crack length.
3. Water Infiltration Test
 - a. With window sash and ventilators closed and locked, test unit in accordance with ASTM E 331 at static pressure difference of 12 psf.
 - b. There shall be no uncontrolled water leakage.
4. Uniform Load Structural Test
 - a. With window sash and ventilators closed and locked, test unit in accordance with ASTM E 330 at a static pressure difference of (*specify per window system*) psf positive pressure and (*specify per window system*) or ASTM E330-97e1 at a static air pressure difference both positive and negative of 2000 Pa (41.6 psf) and a blow-out test of 5000 Pa (104 psf)
 - b. At conclusion of test there shall be no glass breakage, permanent damage to fasteners, hardware parts, support arms or actuating mechanisms, nor any other damage which would cause the window to be inoperable.
5. Condensation Resistance Test (crf)
 - a. With window sash and ventilators closed and locked, test unit in accordance with AAMA 1503.
 - b. Condensation Resistance Factor (crf) shall be not less than 56.
6. Thermal Transmittance Test (Conductive U-value) in accordance with NFRC-100 and AAMA 1503.

7. AAMA Ratings

- a. C-75 Series 7200 Operable Windows
- b. C-90 Series 7200 Fixed Windows
- c. HC-75 Series 7300 Operable and Fixed Windows
Test Procedures:
AAMA/WDMA/CSA 101/I.S.2/A 440-08 - Laboratory performance testing.
AAMA 502-08 - Newly installed fenestration products.
AAMA 511-08 - Installed fenestration products after 6 months.

1.04 Quality Assurance

- A. Provide test reports from AAMA/CSA accredited laboratories certifying the performance as specified in section 1.05 (AAMA) or 11.15 of CSA-A440-98.
- B. Test reports shall be accompanied by the window manufacturer's letter of certification stating that the tested window meets or exceeds the referenced criteria for the appropriate ANSI/AAMA 101-93 or CSA-A440-98 window type.

1.05 Submittals

- A. Contractor shall submit shop drawings, finish samples, test reports, and warranties.

1.06 Warranties

- A. Total Window System
 1. The responsible contractor shall assume full responsibility and warrant for one year the windows, hardware, glass (including insulating units), glazing, anchorage and setting system, sealing, flashing, etc., as it relates to air, water, and structural adequacy as called for in the specifications and approved shop drawings.

Specifications

Operable and Fixed Windows

- Series 7200
- Series 7300

SECTION 08 51 13 ALUMINUM WINDOWS

2. Any deficiencies due to such elements not meeting the specifications shall be corrected by the responsible contractor at his expense during the warranty period.

PART 2 PRODUCTS

2.01 Materials

- A. Aluminum
 - Extruded aluminum shall be 6063-T5 alloy and tempered.
- B. Hardware
 1. Casement Ventilators:
 - Five knuckle butt hinges with roto operators or 4-bar stainless steel hinges with lever handles.
 2. Project-Out Ventilators:
 - 4-bar stainless steel hinges, high pressure die-cast zinc cam handle lock and strike.
 3. Project-In Ventilators:
 - 4-bar stainless steel hinges, high pressure die-cast zinc cam handle with concealed zinc plated steel pawl and stainless steel keepers.
- C. Weatherstrip
 1. Weatherstrip shall be Monsanto Santoprene or equal.
- D. Thermal Barrier
 1. Barrier material shall be poured-in-place two-part Polyurethane. To ensure that composite strength remains unaltered during thermal cycling, a mechanical bond between the aluminum and the thermal filling shall be created by mechanically abrading the extrusion thermal cavity prior to filling with the Polyurethane polymer. A non-structural thermal barrier is unacceptable.
 2. Specified hardware shall not bridge the thermal barrier.

2.02 Fabrication

- A. Aluminum vent extrusions shall have a nominal wall thickness of:
 - 7200 Series = .062" (1.57)
 - 7300 Series = .125" (3.2)
 1. Mechanical fasteners and hardware items shall not bridge thermal barriers. Thermal barriers shall align at all frame and sash corners.
- B. Frame
 - Frame components shall be mitered or butt jointed, as appropriate to the type of construction required. All joints shall incorporate mechanical fasteners.
- C. Sash
 1. All sash extrusions shall be tubular.
 2. Each corner shall be mitered, reinforced with an extruded aluminum corner key, and hydraulically crimped.
 3. Each sash shall have weatherstripping installed in specially designed dovetail grooves in the sash extrusion.
- D. Screens (Optional)
 1. Screen frames shall be extruded or roll formed aluminum.
 2. Screen mounting holes in the window frames shall be factory drilled.
 3. Screen mesh shall be aluminum or fiberglass.
- E. Glazing
 1. Shop and field glazed units are to be glazed with pre-shimmed glazing tape, extruded aluminum glazing beads, and an E.P.D.M. drive-in wedge gasket.
- F. Finish
 - All exposed framing surfaces shall be free of scratches and other serious blemishes. Aluminum extrusions shall be given a caustic etch followed by an anodic oxide treatment to obtain... *(Specify one of the following):*

- _____ #11 Clear Anodic coating
 - _____ #22 Dark Bronze Anodic coating
 - _____ #33 Black Anodic coating
- A Fluoropolymer paint coating conforming with the requirements of AAMA 2605. Color shall be *(Specify a U.S. Aluminum standard color)*.

PART 3 EXECUTION

3.01 Inspection

- A. Job Conditions
 1. Verify that openings are dimensionally within allowable tolerances, plumb, level, clean, provide a solid anchoring surface, and are in accordance with approved shop drawings.

3.02 Installation

- A. Use only skilled tradesman with work done in accordance with approved shop drawings and specifications.
- B. Plumb and align window faces in a single plane for each wall plane and erect windows and materials square and true adequately anchored to maintain positions permanently when subjected to normal thermal and building movement and specified wind loads.
- C. Adjust windows for proper operation after installation.
- D. Furnish and apply sealants to provide a weathertight installation at all joints and intersections and at opening perimeters.

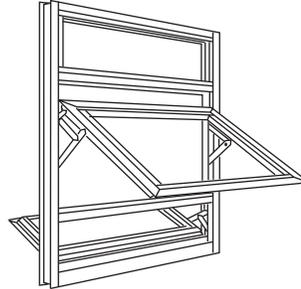
3.03 Protection and Cleaning

- A. After completion of window installation, windows shall be inspected, put into working order, and left clean, free of labels, dirt, etc. Protection from this point shall be responsibility of general contractor.

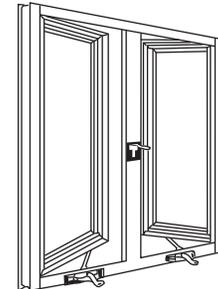
WINDOWS

Special Features

Projected and casement windows operate by moving away, or projecting, from the window frame, as awning or hopper vents, and as in-swinging or out-swinging casement vents. Projected windows open and close horizontally while casement windows operate on a vertical axis.

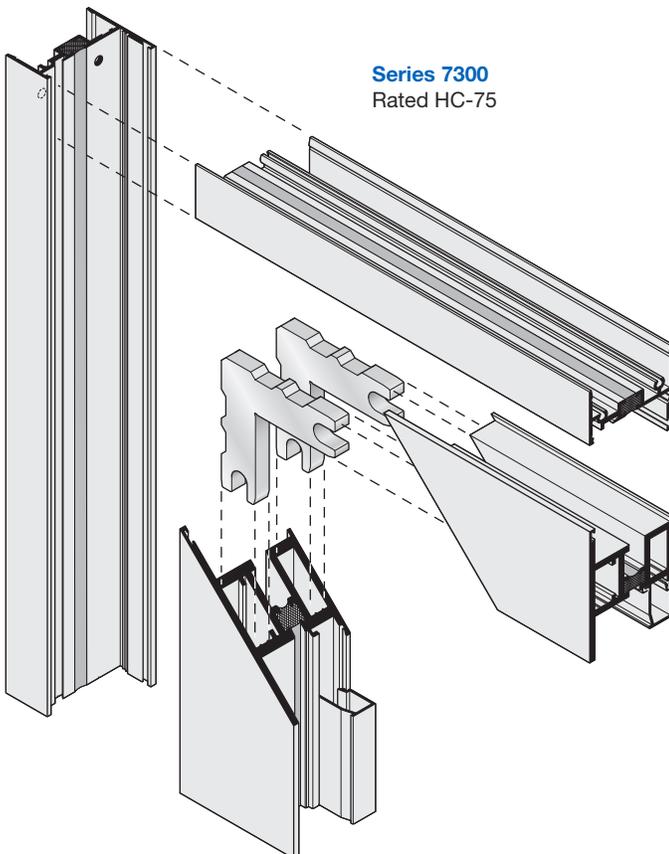


PROJECTED

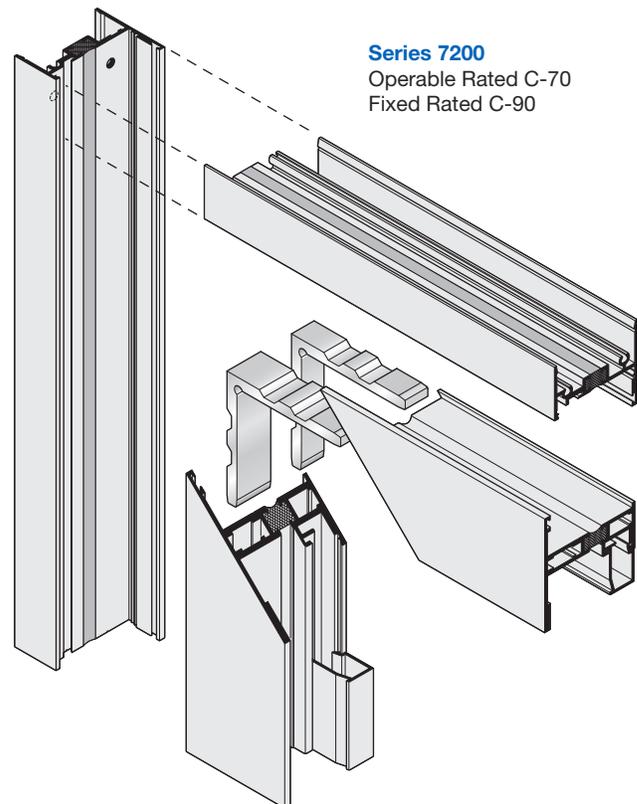


OUT-SWING CASEMENT

U.S. Aluminum offers a full line of operable windows to meet virtually any specification requirement for use in storefront, curtain wall systems, as well as retrofit. All units are tested for air, water, and structural integrity in accordance set forth in ANSI/AAMA 101/ I.S.2-97 or CSA-A440-98.



Series 7300
Rated HC-75



Series 7200
Operable Rated C-70
Fixed Rated C-90

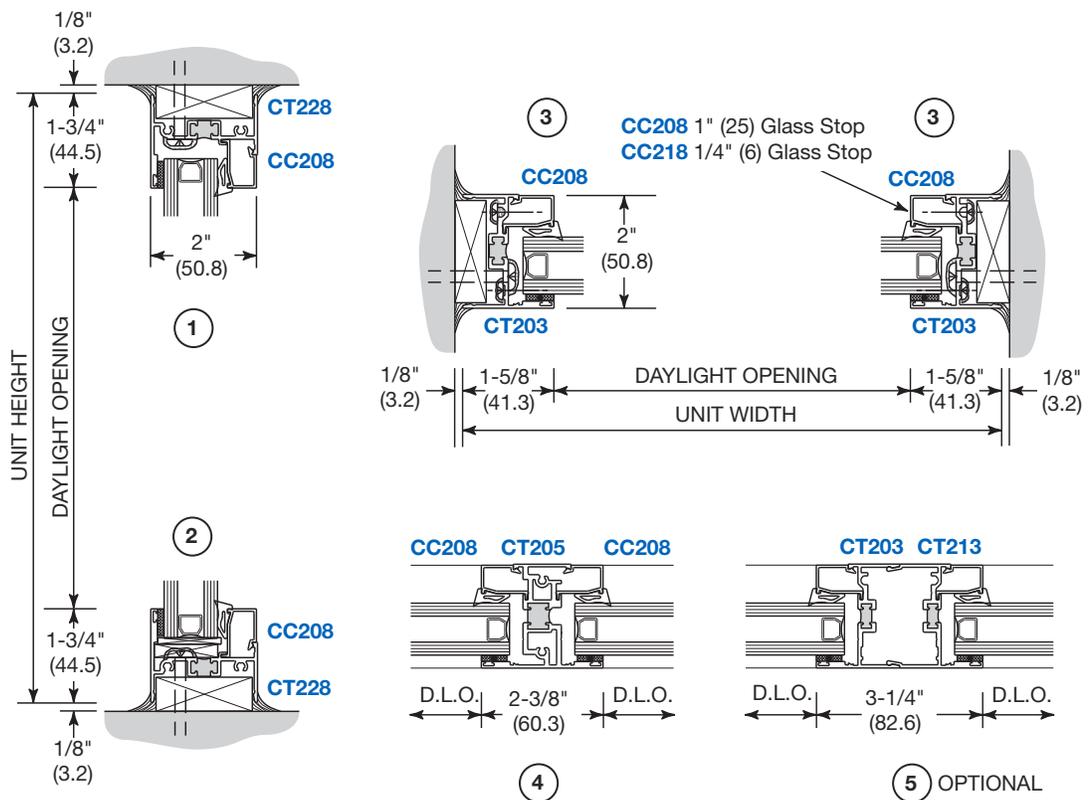
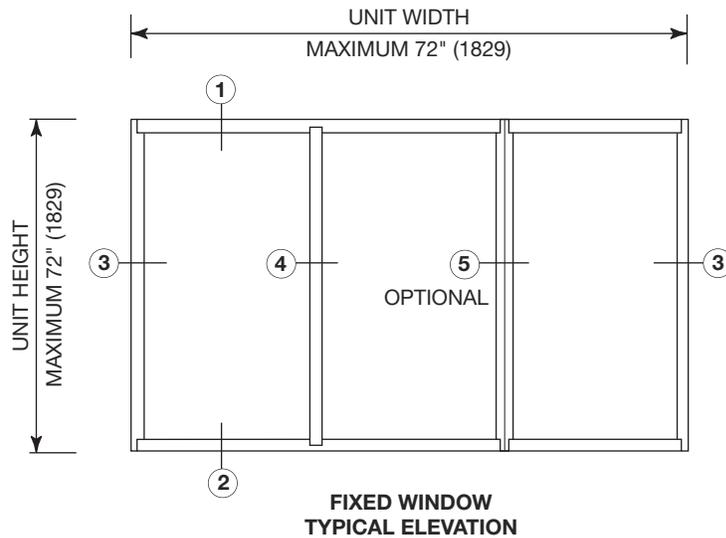
All window units are to be dry glazed with tape at the outside and E.P.D.M. elastomeric wedge at the inside. Vent construction is accomplished with tubular members, mitered and reinforced with an extruded aluminum corner key, and hydraulically crimped. Operating hardware options include 90° 4-bar Hinges, five knuckle butt hinges, roto operators, friction adjusters, and limit device arms. Locking hardware options include cam locking handles, two point locking handles, and security locks.

Typical Details

Operable and Fixed Windows

FOR 1" (25) GLAZING

- Series 7200
- Series 7300



NOT TO SCALE

Online usalum.com By Phone (800) 262-5151
Online crlaurence.com By Phone (800) 421-6144

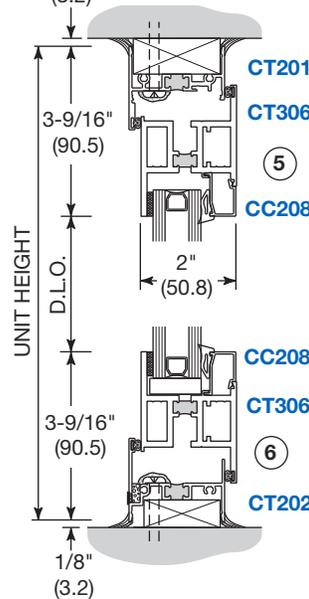
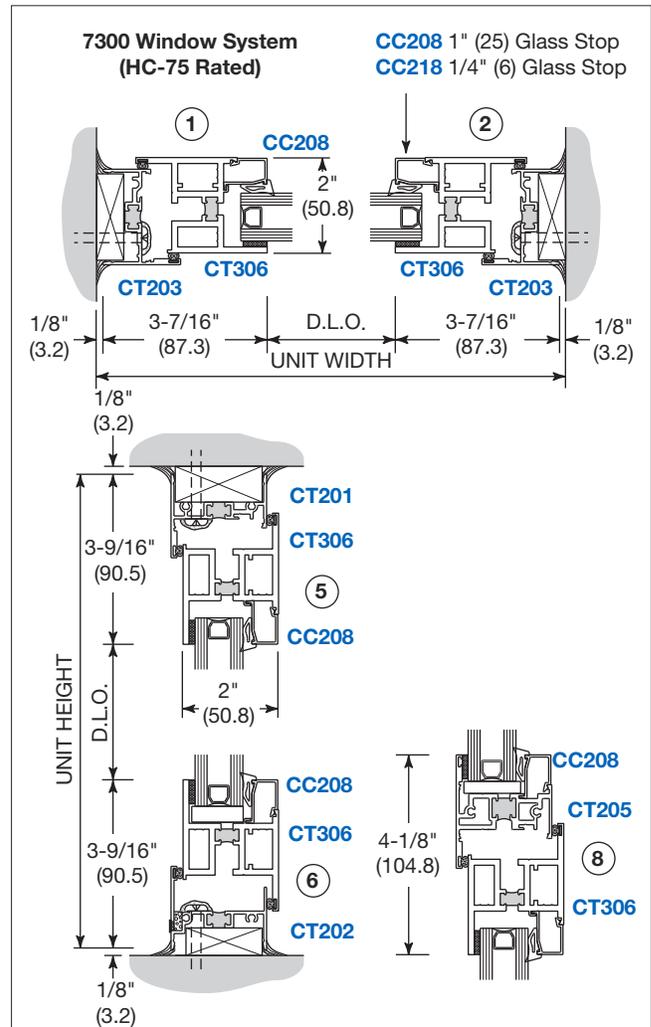
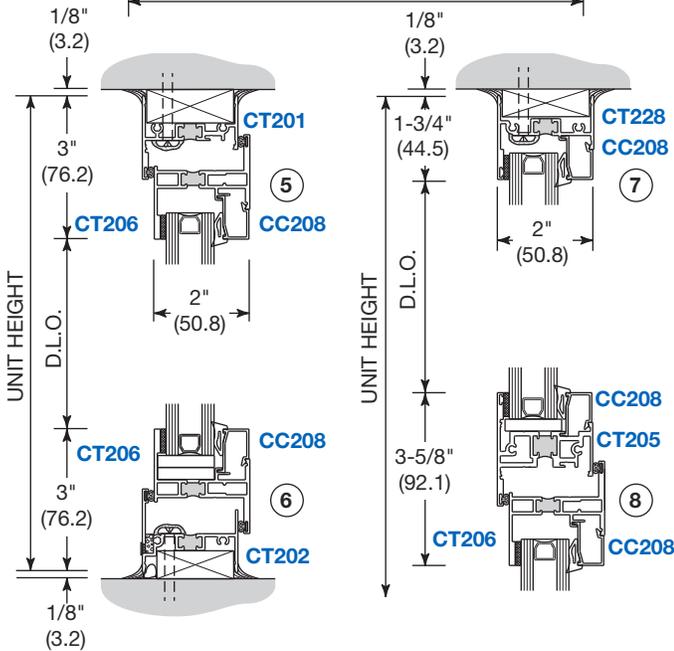
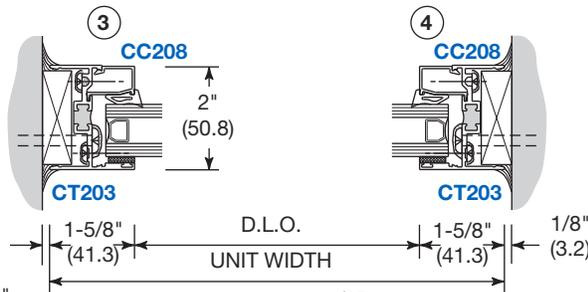
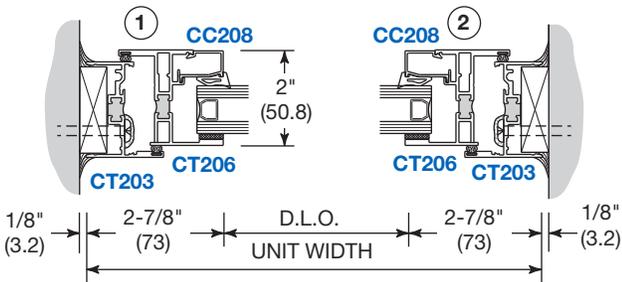
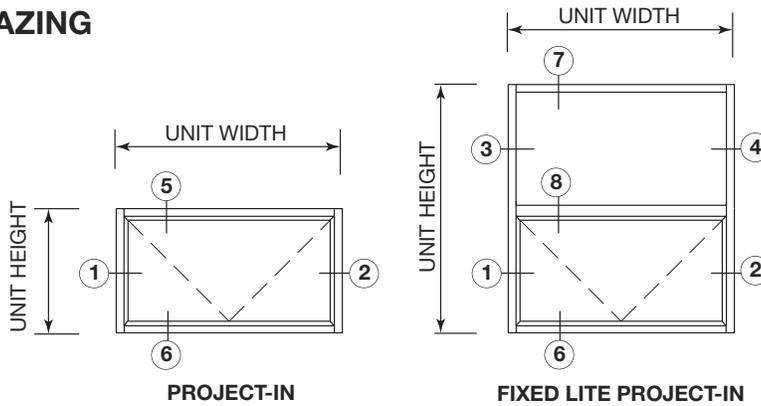
WINDOWS

Typical Details

FOR 1" (25) GLAZING

Operable and Fixed Windows

- Series 7200
- Series 7300



NOT TO SCALE

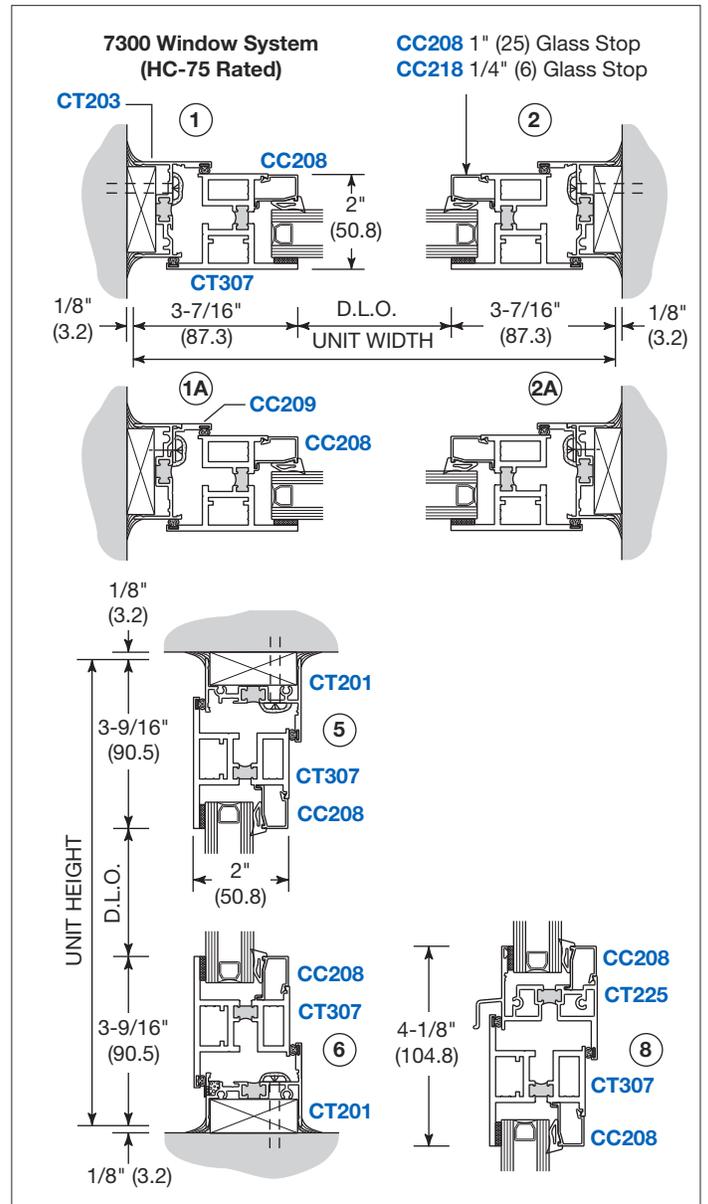
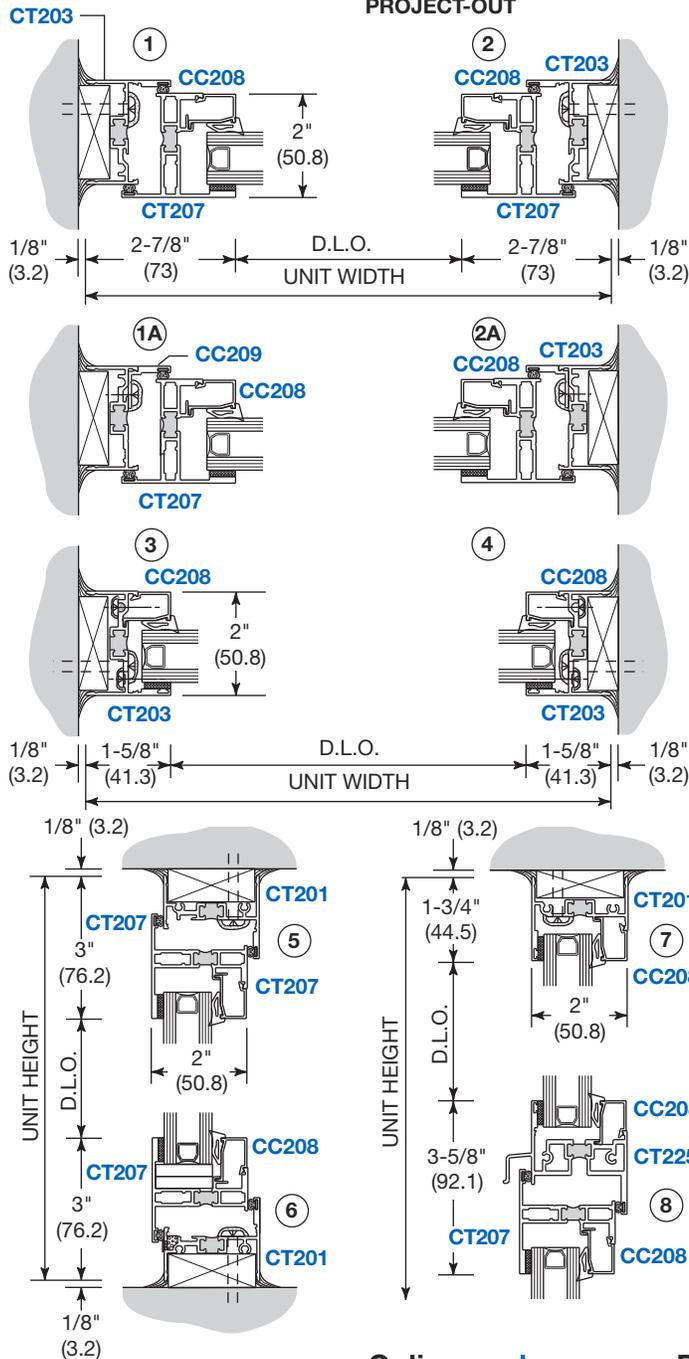
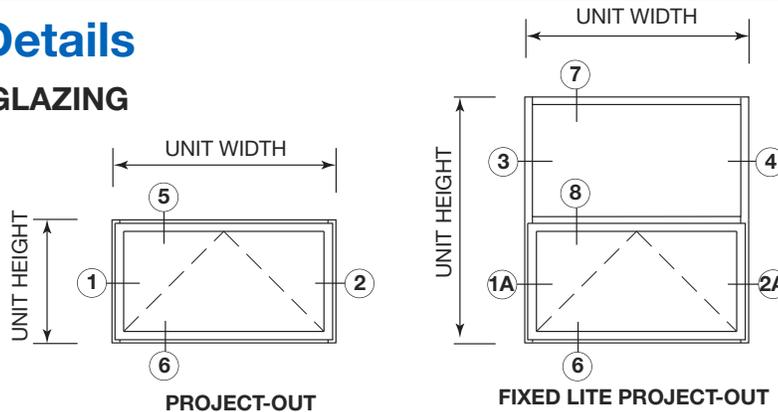
Online usalum.com By Phone (800) 262-5151
 Online crlaluminum.com By Phone (800) 421-6144

Typical Details

FOR 1" (25) GLAZING

Operable and Fixed Windows

- Series 7200
- Series 7300



NOT TO SCALE

WINDOWS

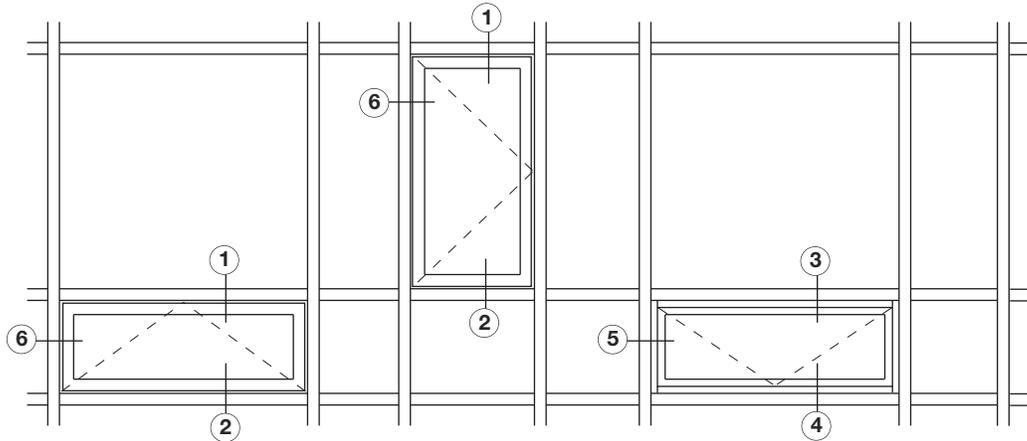
Typical Details

Operable and Fixed Windows

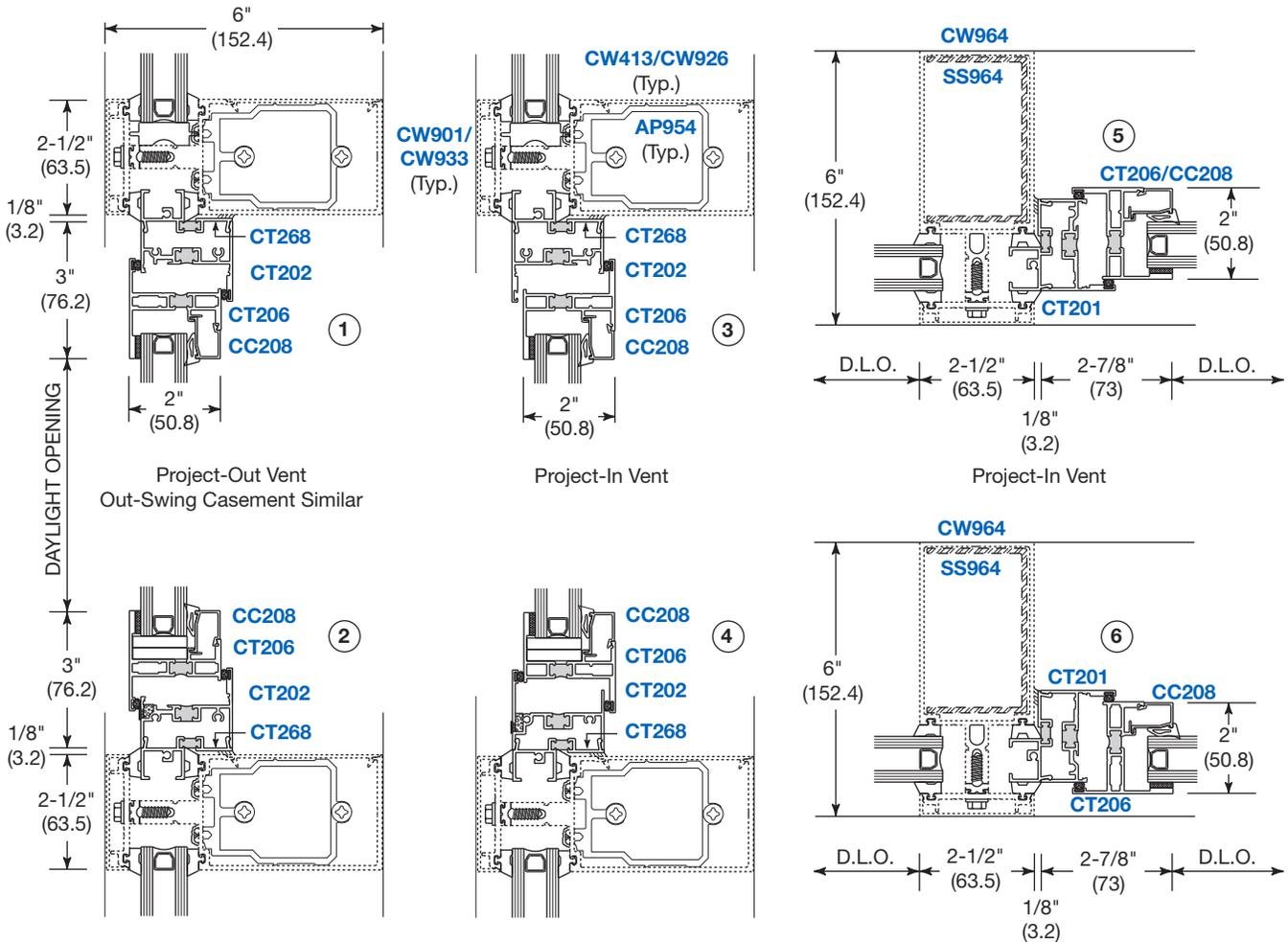
FOR 1" (25) GLAZING

- Series 7200
- Series 7300

Series 7200 Shown With Series 3250 Curtain Wall.
 For Series 7300 Sash Details, See Pages 06-D1 and 07-D1.



TYPICAL ELEVATION



NOT TO SCALE

Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

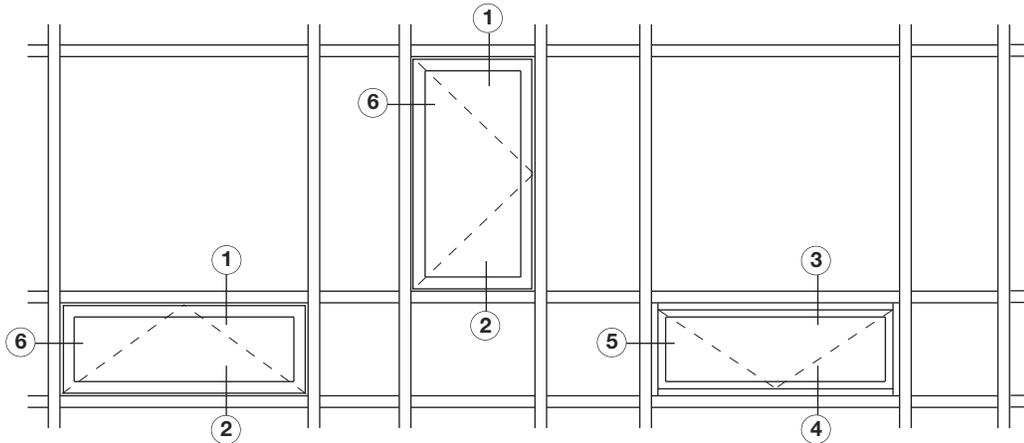
Typical Details

Operable and Fixed Windows

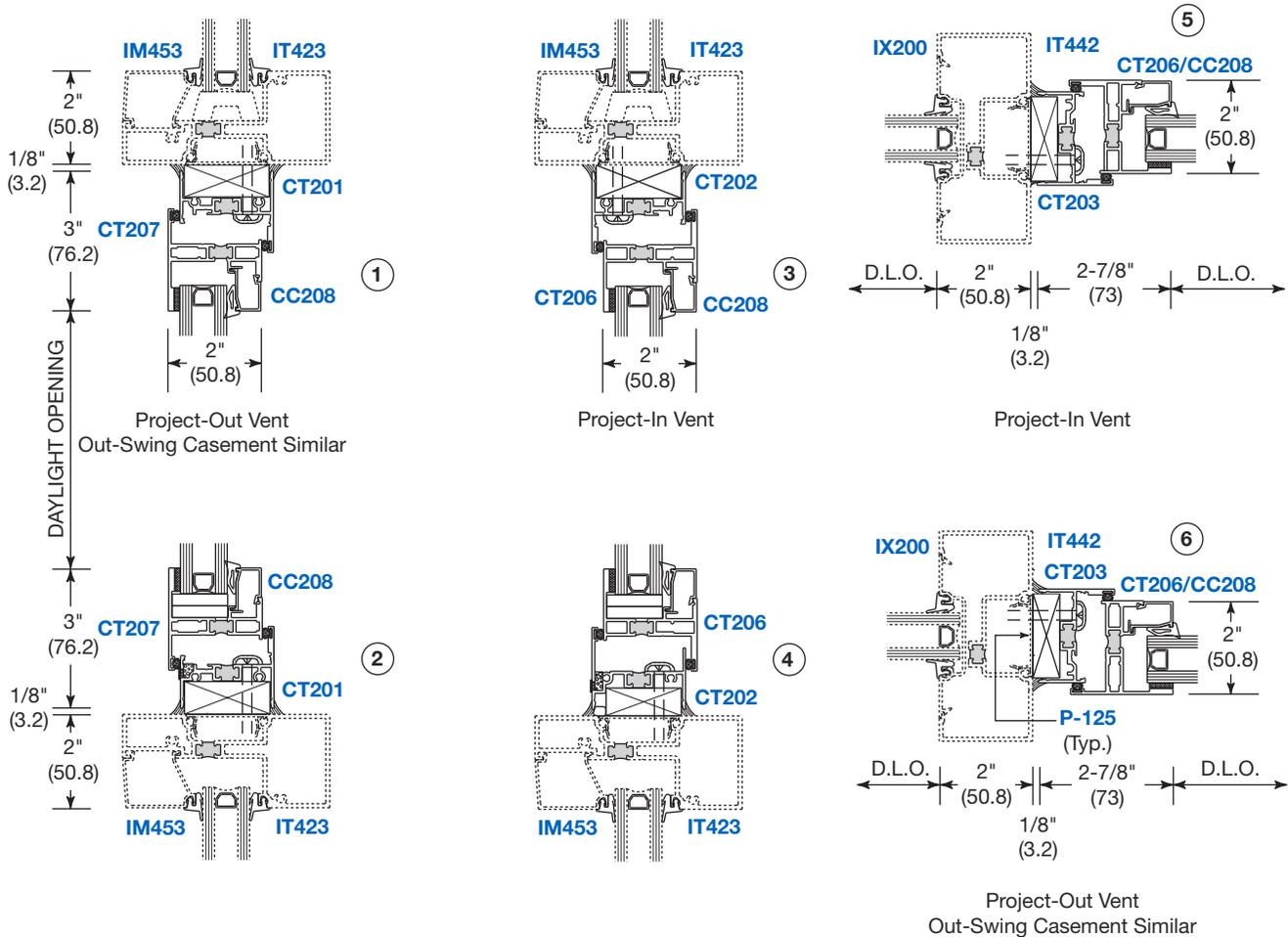
- Series 7200
- Series 7300

FOR 1" (25) GLAZING

Series 7200 Shown With Series IT451 Center Glazed Storefront.
For Series 7300 Sash Details, See Pages 06-D1 and 07-D1.



TYPICAL ELEVATION



NOT TO SCALE

Online usalum.com By Phone (800) 262-5151
Online crlaurence.com By Phone (800) 421-6144

WINDOWS

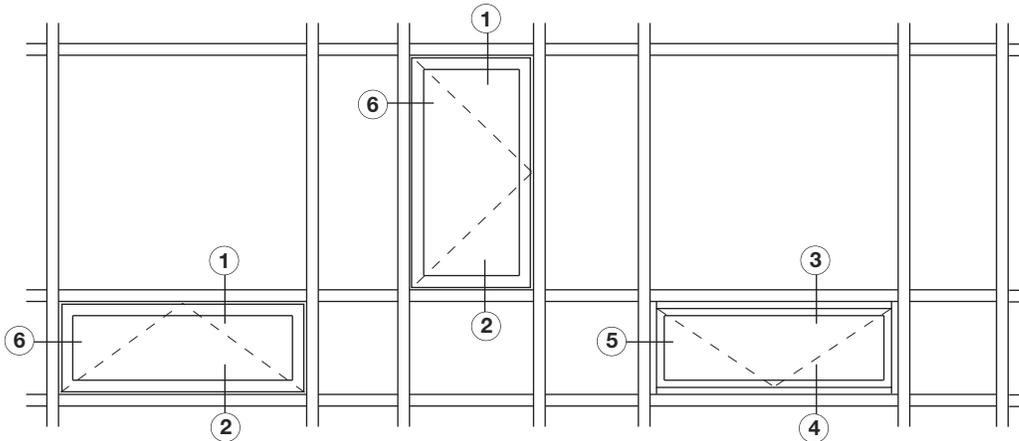
Typical Details

Operable and Fixed Windows

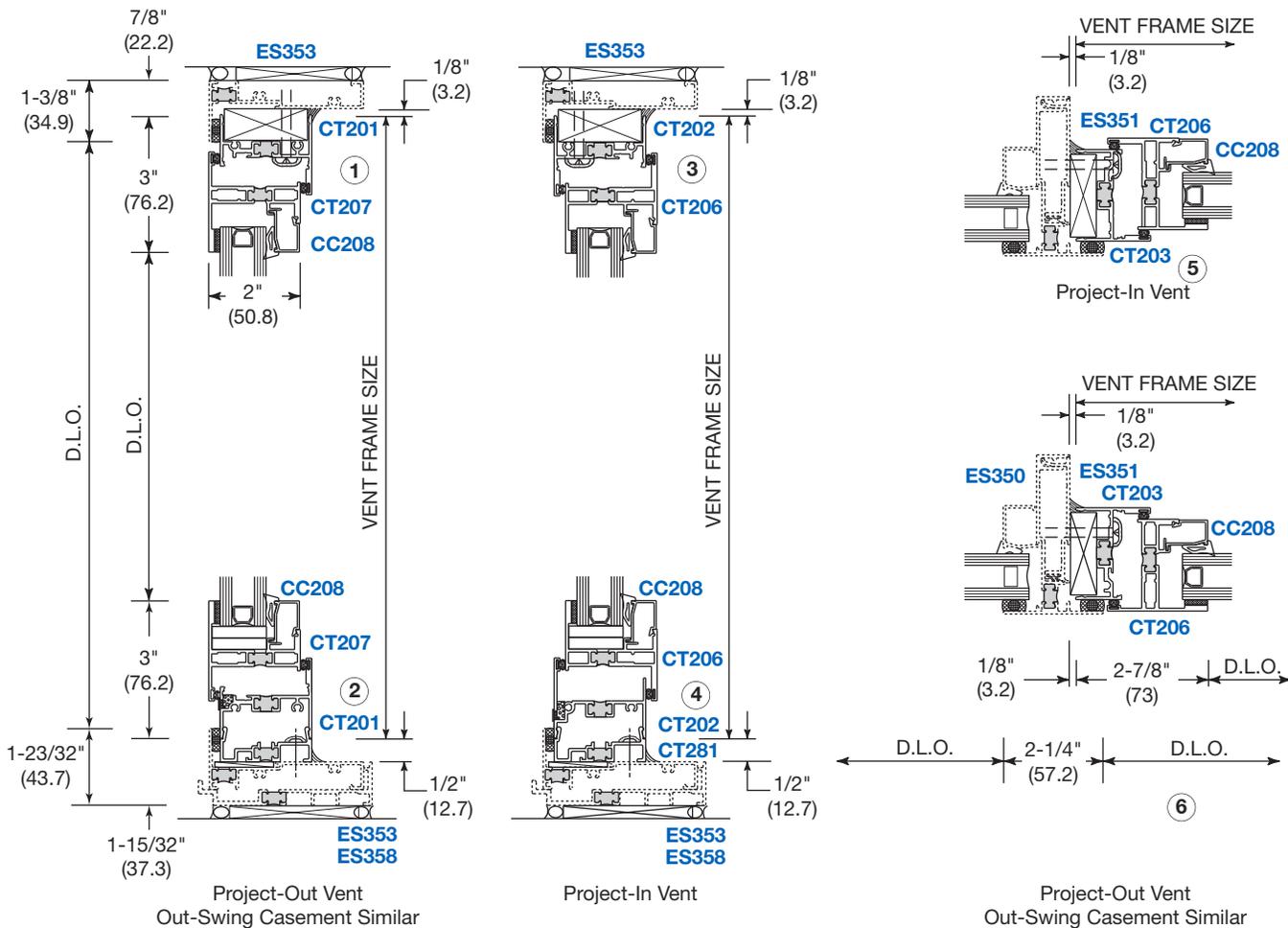
FOR 1" (25) GLAZING

- Series 7200
- Series 7300

Series 7200 Shown With Series ES350 Window Wall.
 For Series 7300 Sash Details, See Pages 06-D1 and 07-D1.



TYPICAL ELEVATION



NOT TO SCALE

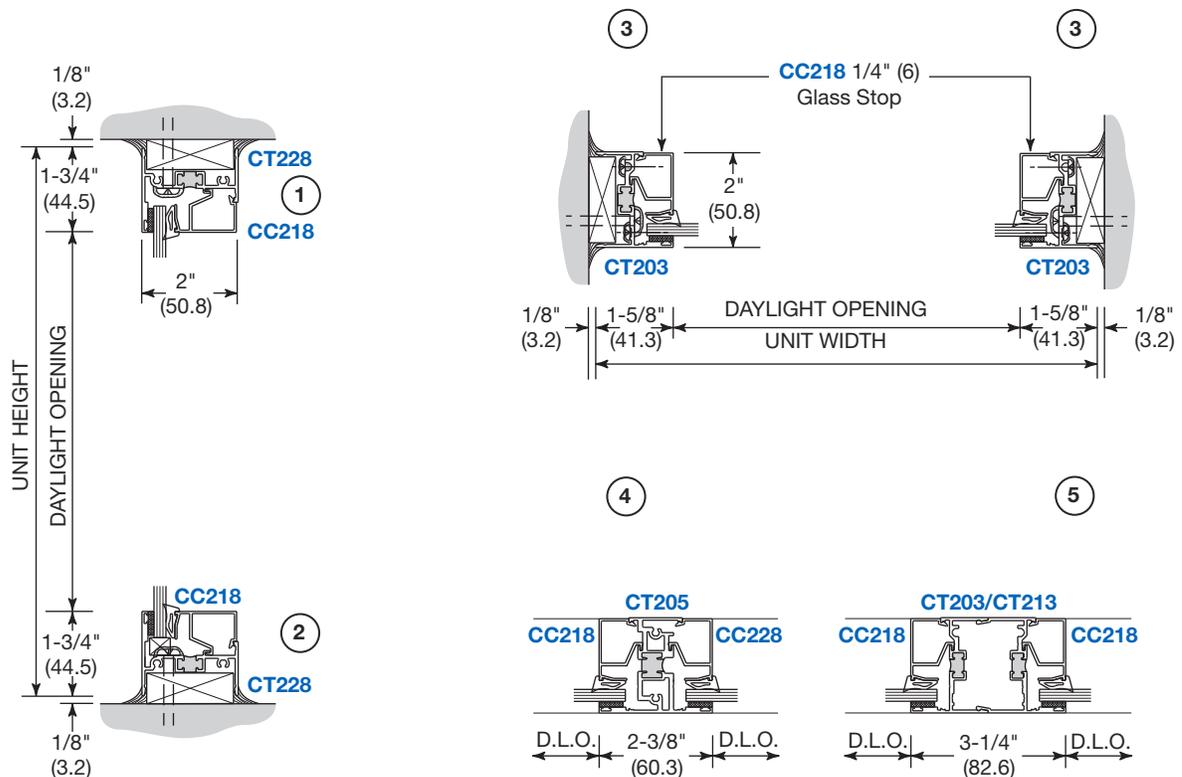
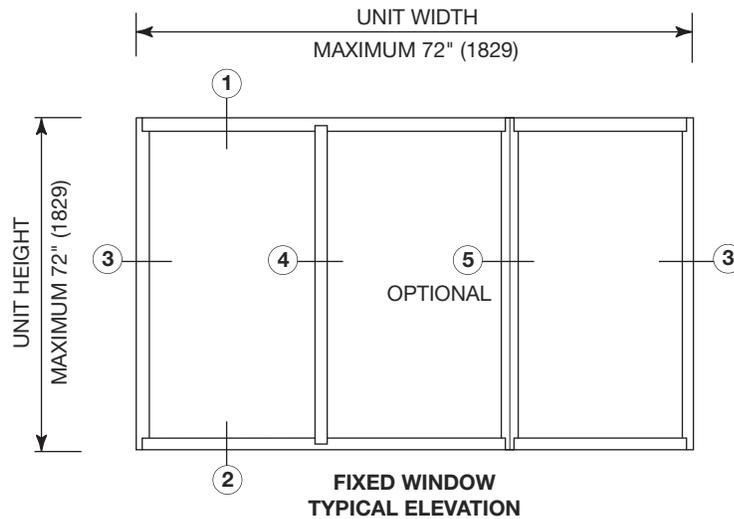
Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

Typical Details

Fixed Windows

- Series 7200
- Series 7300

FOR 1/4" (6) GLAZING



NOT TO SCALE

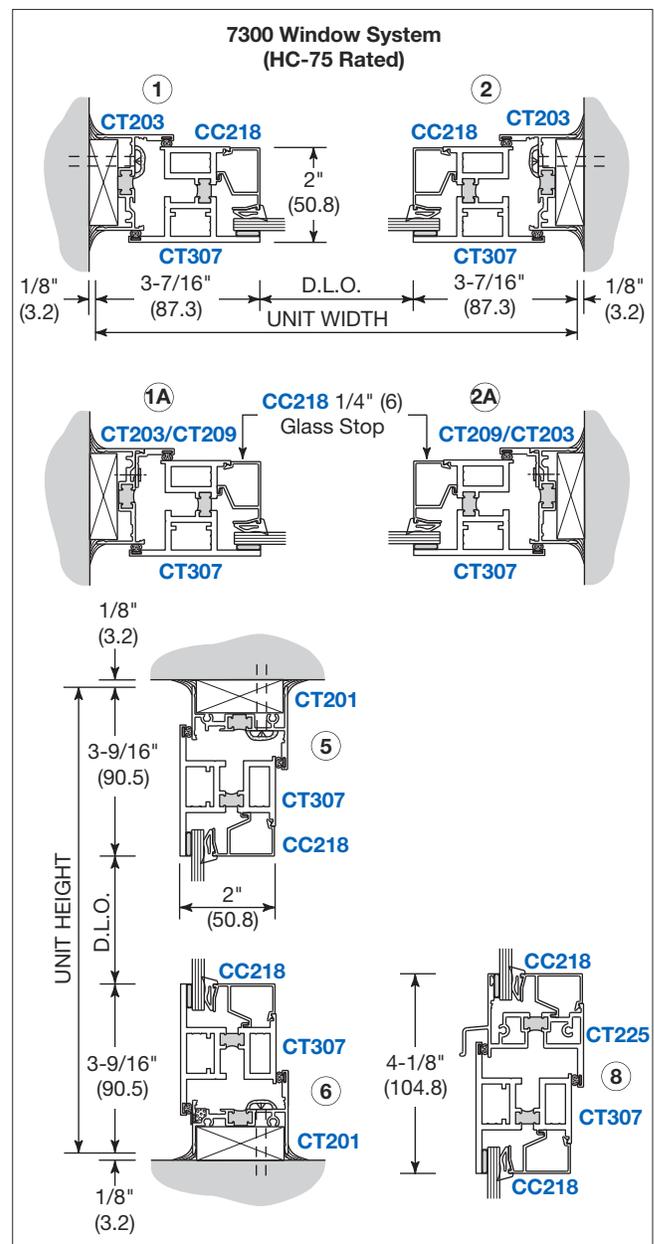
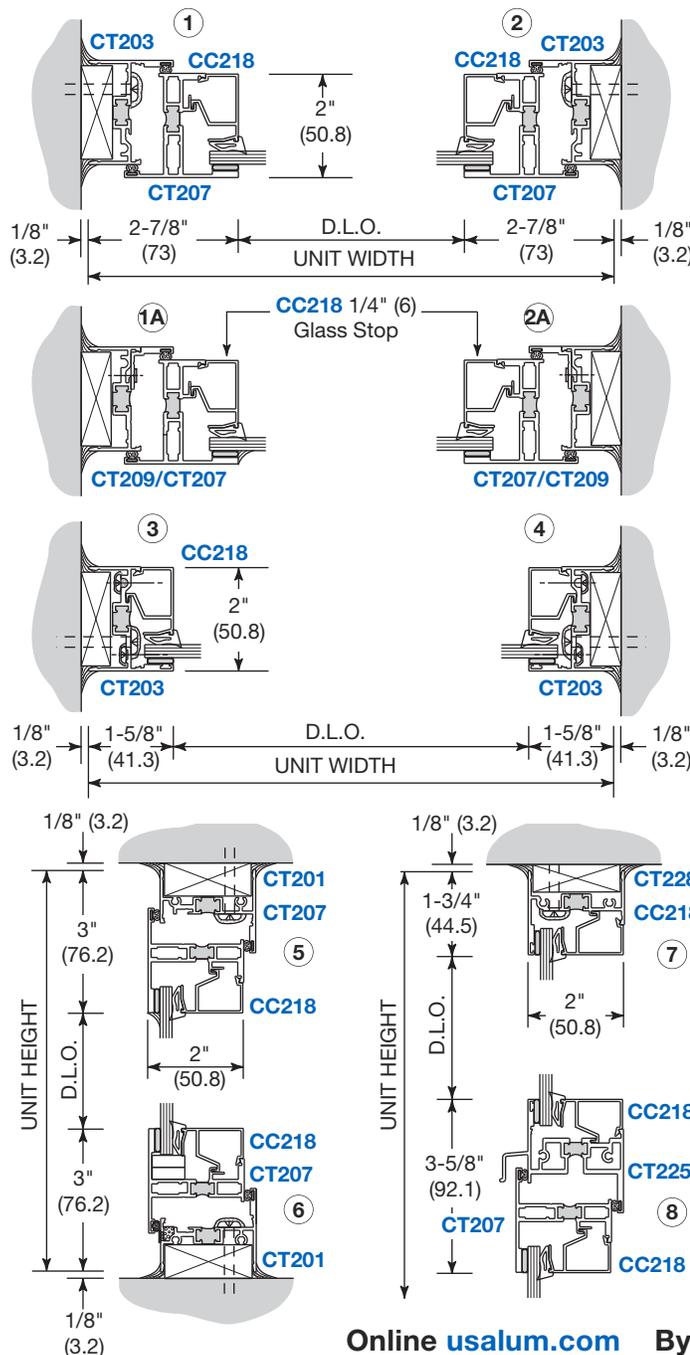
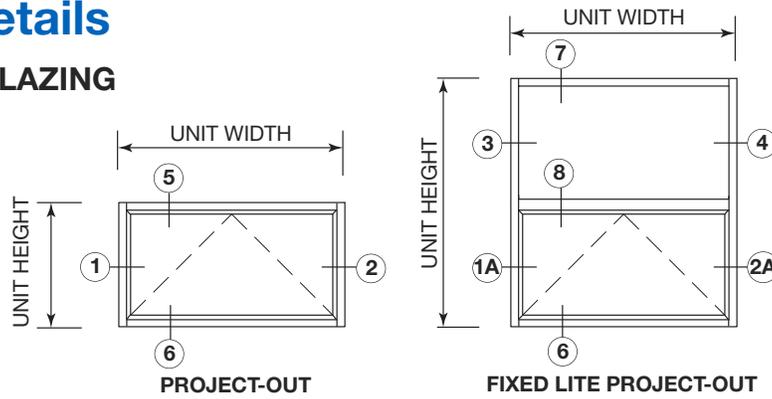
WINDOWS

Typical Details

FOR 1/4" (6) GLAZING

Operable and Fixed Windows

- Series 7200
- Series 7300



NOT TO SCALE

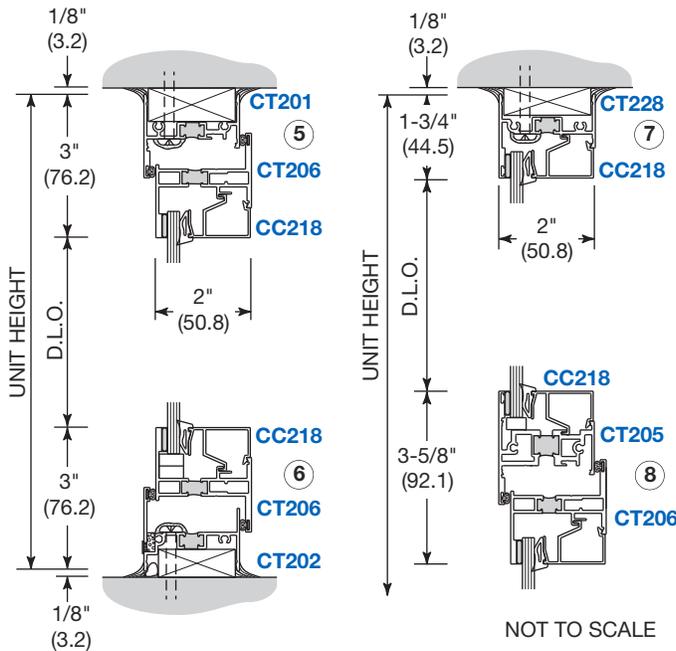
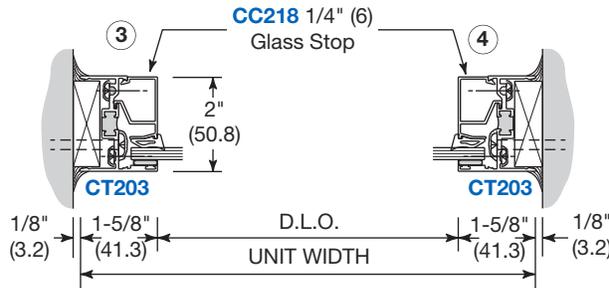
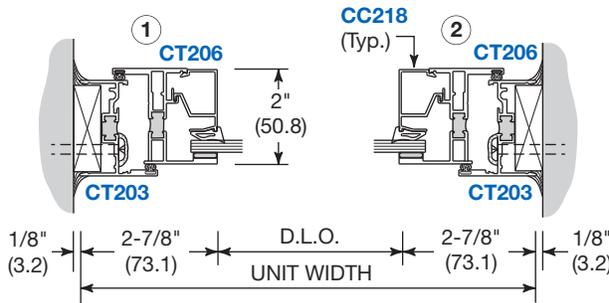
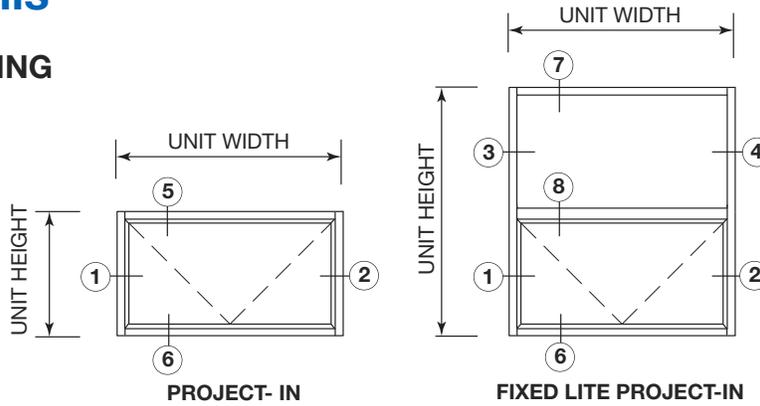
Online usalum.com By Phone (800) 262-5151
 Online crlaluminum.com By Phone (800) 421-6144

Typical Details

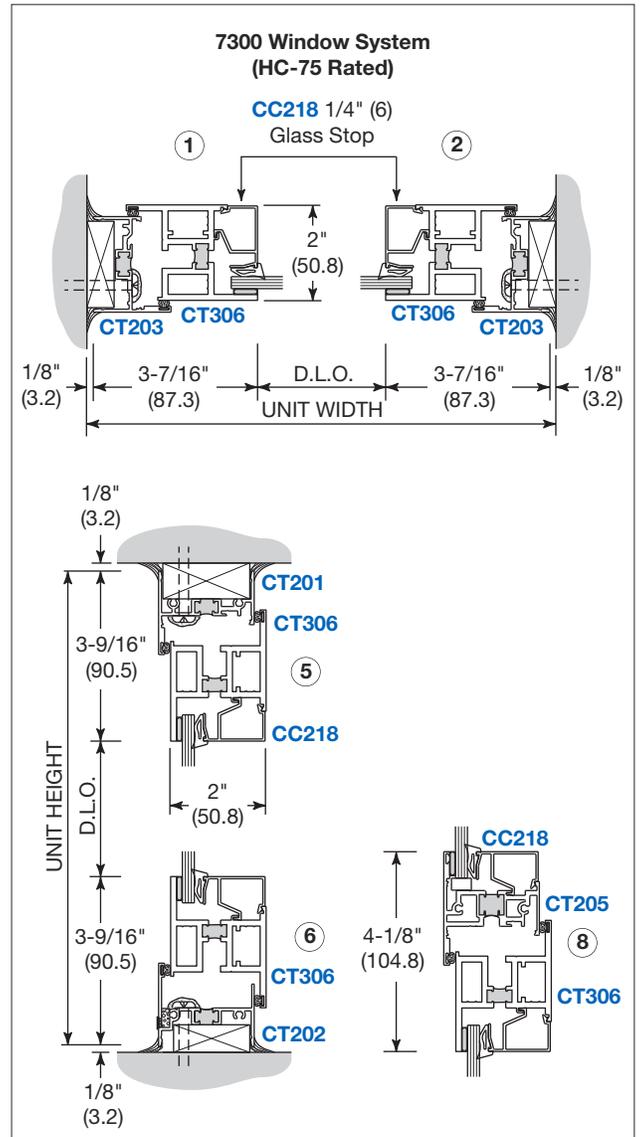
FOR 1/4" (6) GLAZING

Operable and Fixed Windows

- Series 7200
- Series 7300



NOT TO SCALE



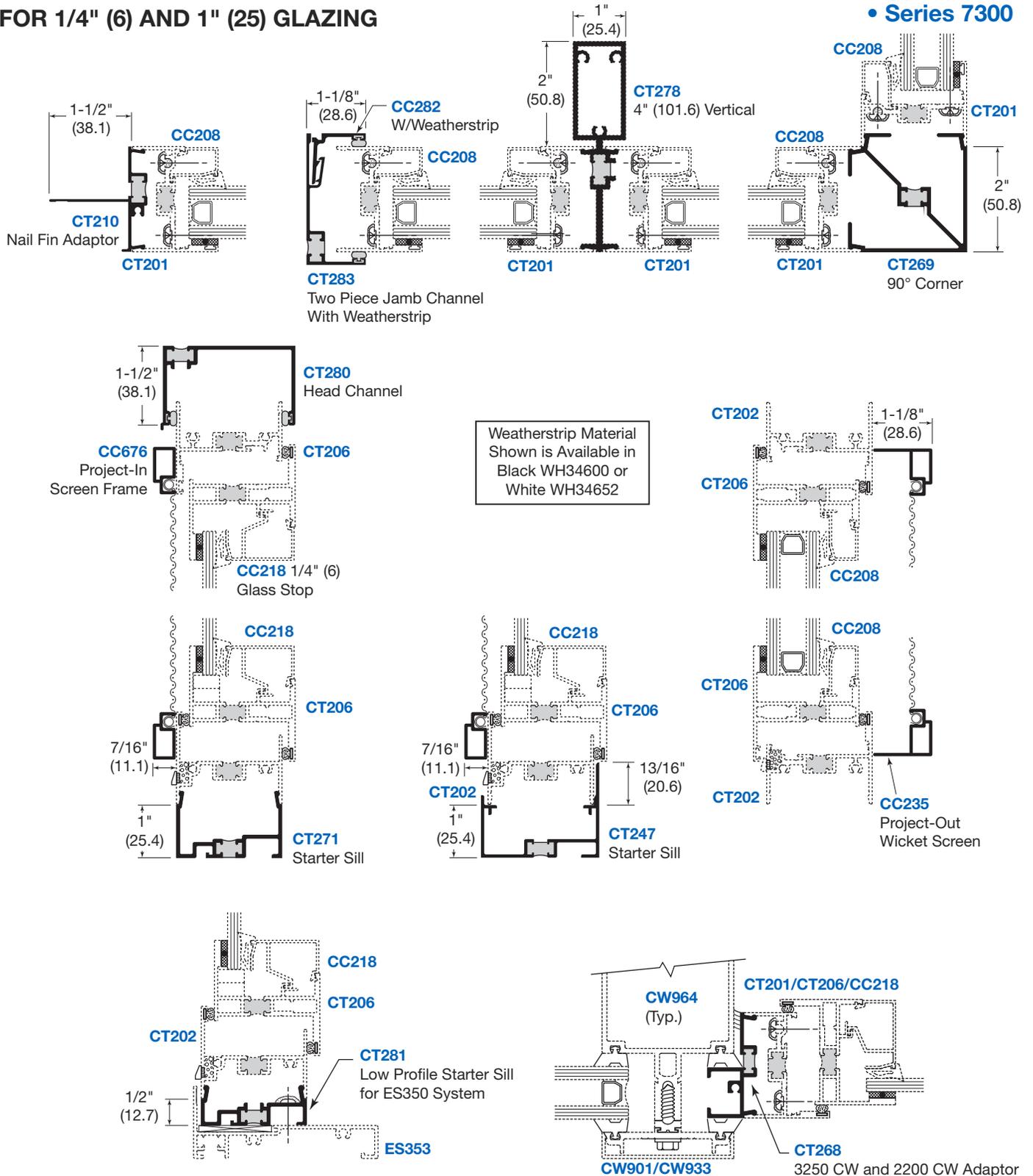
WINDOWS

Optional Accessories

Operable and Fixed Windows

FOR 1/4" (6) AND 1" (25) GLAZING

- Series 7200
- Series 7300



NOT TO SCALE

Online usalum.com By Phone (800) 262-5151
 Online crlaurence.com By Phone (800) 421-6144

Hardware

Operable and Fixed Windows

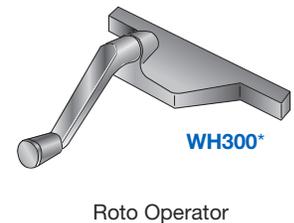
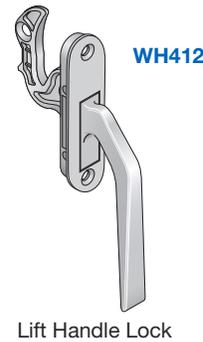
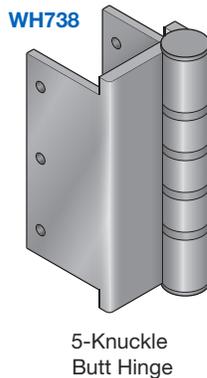
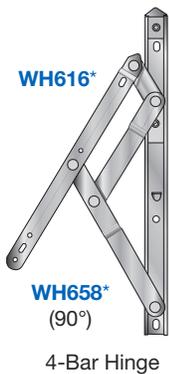
- Series 7200
- Series 7300

* Must specify window size when ordering.

HARDWARE	PART NO.	DESCRIPTION	PKG QTY	PROJECT-IN VENT	PROJECT-OUT VENT	OUT-SWING CASEMENT
OPERATING HARDWARE	WH616*	Stainless Steel 4-Bar Hinges	1	●	●	●
	WH658*	Stainless Steel 90° 4-Bar Hinges	1			○
	WH738	5 Knuckle Butt Hinges	1			○
	WH300*	Roto Operators	1		○	○
	WH645	Limit Device	1	○	○	○
	WH646	Friction Adjuster	1	○	○	○
LOCKING HARDWARE	WH240	Cam Handle Lock	1	●	●	●
	WH412	Lift Handle Lock	1		○	○
	WH023	Access Control Key Lock	1	○	○	○

- STANDARD
- OPTIONAL

NOTE: Roto Operators Require Butt Hinges.
Butt Hinges Without Roto Operator Requires Friction Hold Open Hardware.



Glass Size Formulas

Glass Size formulas are for single window configurations.

7200 Fixed Windows:

Glass Height = Frame Height Minus 2-1/2" (63.5)
Glass Width = Frame Width Minus 2-1/4" (57.2)

7200 Operable Windows:

Glass Height = Frame Height Minus 5" (127)
Glass Width = Frame Width Minus 4-3/4" (120.7)

7300 Operable Windows:

Glass Height = Frame Height Minus 6-1/8" (155.6)
Glass Width = Frame Width Minus 5-7/8" (149.2)

NOTE: When utilizing subsills, subtract 1/2" (12.7) for CC281 and subtract 1" (25) for CC271 to the calculated glass height sizes.

Glass Size formula for multiple configurations is D.L.O. + 1" (25). This formula can be used for all glass openings.

MAXIMUM SIZE LIMITATIONS

7200 Windows (C Rating)

Fixed = 72" (1829) wide X 72" (1829) high
Casement = 30" (762) wide X 60" (1524) high
Project-in = 60" (1524) wide X 32" (813) high
Project-out = 60" (1524) wide X 32" (813) high

7300 Windows (HC Rating)

Fixed = 72" (1829) wide X 72" (1829) high
Casement = 30" (762) wide X 60" (1524) high
Project-in = 60" (1524) wide X 32" (813) high
Project-out = 60" (1524) wide X 32" (813) high

MINIMUM FRAME DIMENSION WITH SASH

7200 Windows

15" (381) wide X 15" (381) high

7300 Windows

16" (406) wide X 16" (406) high

WINDOWS

Accessories

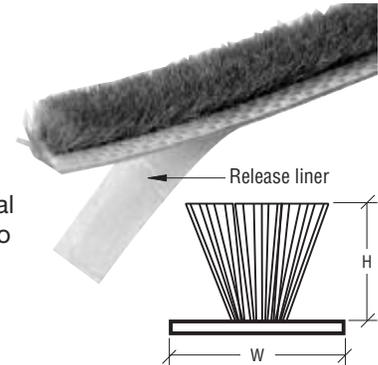
ADHESIVE-BACKED WINDO-PILE

- Reduces Heat and Energy Loss Around Windows and Doors
- Adhesive Backing Allows Press-On Installation
- Seals Effectively Without Affecting Operation



Effectively seals vertical hung and horizontal sliding windows. Simply press Windo-Pile into the window sash channels. Doesn't interfere with normal window operation.

Weatherstripping

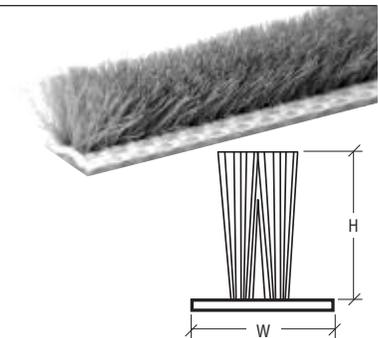


PART NO.	PILE HEIGHT (H)	BACK WIDTH (W)	ROLL LENGTH
A71320C	.200 (5)	.270 (6.8)	100' (30.5 m)
A71320B	.200 (5)	.270 (6.8)	700' (213.3 m)

Minimum order: 1 roll. 100 foot rolls can be combined with all other 100 foot rolls of Windo-Pile for quantity pricing. Bulk rolls can be combined with all other bulk rolls of Windo-Pile for quantity pricing.

WINDO-PILE

- Replaces Old or Worn-Out Pile Weatherstripping in Doors or Windows
- Water-Resistant Woven Pile is Unaffected by Adverse Weather
- Quick and Simple Installation
- Available in Two Pile Densities: Medium and High



MEDIUM DENSITY WINDO-PILE BACK WIDTH .187 (4.7)

100 FOOT ROLL PART NO.	PILE HEIGHT (H)	BULK ROLL PART NO.	BULK ROLL LENGTH
A11320C	.200 (5)	A11320B	1100' (335.3 m)
A11325C	.250 (6.3)	A11325B	900' (274.3 m)
A11330C	.300 (7.6)	A11330B	700' (213.4 m)
A11335C	.350 (8.9)	A11335B	600' (182.9 m)

Minimum order: 1 roll. 100 foot rolls can be combined with all other 100 foot rolls of Windo-Pile for quantity pricing. Bulk rolls can be combined with all other bulk rolls of Windo-Pile for quantity pricing.

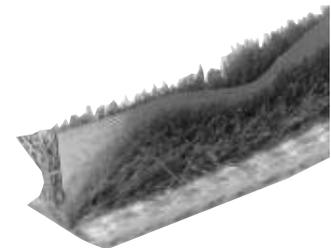
HIGH DENSITY WINDO-PILE BACK WIDTH .270 (6.8)

100 FOOT ROLL PART NO.	PILE HEIGHT (H)	BULK ROLL PART NO.	BULK ROLL LENGTH
A11420C	.200 (5)	A11420B	800' (243.8 m)
A11425C	.250 (6.3)	A11425B	600' (182.9 m)
A11430C	.300 (7.6)	A11430B	400' (121.9 m)
A11435C	.350 (8.9)	A11435B	400' (121.9 m)

Minimum order: 1 roll. 100 foot rolls can be combined with all other 100 foot rolls of Windo-Pile for quantity pricing. Bulk rolls can be combined with all other bulk rolls of Windo-Pile for quantity pricing.

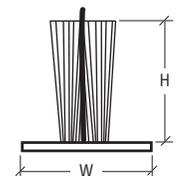
FINNED WEATHERSTRIP

- Unique Center Fin Stops Air, Water, and Dust From Infiltrating Joints Around Windows and Doors
- Made to Replace Most Existing Pile Weatherstrips
- Resists Mold, Mildew, and Corrosion



PART NO.	PILE HEIGHT (H)	BACK WIDTH (W)	ROLL LENGTH
FS7716C	.160 (4)	.187 (4.7)	100' (30.5 m)
FS77163M	.160 (4)	.187 (4.7)	3000' (914.4 m)

Minimum order: 1 roll. 100 foot rolls can be combined with all other 100 foot rolls of Windo-Pile for quantity pricing. Bulk rolls can be combined with all other bulk rolls of Windo-Pile for quantity pricing.



WINDOWS

Stain Removers

Accessories

BIO-CLEAN WATER STAIN REMOVER

- Effectively Removes Water and Mineral Stains, Rust, Tree Sap, Paint Overspray, Soap Scum, and Mildew From Glass and Other Surfaces
- Works Great On: Windows, Glass Surfaces, Tile, Fiberglass, Chrome, Anodized Brass and Aluminum, and Stainless Steel



Bio-Clean is a professional strength cleaner recommended by both glazing contractors and professional window cleaning companies. **NOTE:** Do not use on surfaces that can be harmed by the use of a mild abrasive.

•Removes Stage One Corrosion Quickly

Stage One Corrosion is defined as glass with light corrosion, and little or no damage to the glass. Stage Two Corrosion occurs when the deposits are no longer on the surface of the glass, but have started to break down the molecular structure of the glass, leaving an etched or white haze on the glass after the stain has been removed. CRL Bio-Clean Water Stain Remover will not repair glass with Stage Two Corrosion.

PART NO.	CONTENTS	QTY/CASE
WSR1	16 Fl. Oz. (473 ml)	12
WSR1P	5 Pouches	1

Minimum order: 1 each of WSR1 and 1 pack of WSR1P.

WATER SPOT REMOVER

- Solves the Problem of Water Spotting From Sprinklers, Hard Water Sources, and Exposure to Acid Rain
- Removes Alkaline Residue, Chemical and Mineral Deposits From Uncoated Clear and Float Glass Surfaces (Typical Stage One Corrosion)



PART NO.	CONTENTS	QTY/CASE
C2020	1 Gallon (3.785 l)	4
C2030	1 Quart (946 ml)	12

Minimum order: 1 each.

Water Spot Remover is specifically formulated for use by professional window cleaning contractors and glazing professionals. It is designed to remove any residue left on glass which may alter the optical clarity, and cannot be cleaned using standard methods.

"SPARKLE" CLEANER AND STAIN REMOVER

- Cleans Light Water Stains From Glass Caused by Weather, Sea Air, and Pollution
- A Longtime Favorite

PART NO.	CONTENTS	QTY/CASE
SP101	8 Fl. Oz. (236 ml)	12

Minimum order: 1 each.

"Sparkle" Cleaner does those glass cleaning jobs too tough for spray-on cleaners. It removes light water spots and stains in glass caused by weather, sea air, or pollution. Wipe on with a damp cloth or paper towel, rub stained areas, then wipe off.



A-MAZ WATER STAIN REMOVER

- Removes the Toughest Stains
- Contains No Acids, Bleach, or Chlorides
- Includes Nylon Scrub Pad



A-Maz Water Stain Remover removes the toughest stains on glass, chrome, porcelain, fiberglass, metal, tile - water stains, mineral deposits, and sealant stains.

PART NO.	CONTENTS	QTY/CASE
3379520	14 Fl. Oz. (396 ml)	6

Minimum order: 1 each.

WINDOWS

Cleaning Products and Supplies

One of our fastest growing product lines has been our Cleaning Products. We have always specialized in glass cleaning products with the industry favorite being our 1973 Glass Cleaner. And because of our alliance with Sprayway, we are able to offer you even more high quality glass cleaning products, as well as other specialty products for all types of cleaning needs. Available in aerosol and liquid forms, they tackle your toughest applications from cleaning glass, plastics, and metal, to removing graffiti, greases, oils, sealants, adhesives, and even cleaning your hands.



Glass Cleaners

- Ammoniated Aerosol Formulas
- Non-Ammoniated Aerosol Formulas
- Private and Logo Labels
- Glass Washing Machine Detergents



Concentrated Glass Cleaners, Stain Removers, and Protectants

- Concentrated Liquid Glass Cleaner
- Ready-Mix Glass and Mirror Cleaners
- Stain Removers
- Surface Protectants



Plastic Cleaners

- Aerosol Plastic Cleaners
- Liquid Plastic Cleaners



All Purpose Cleaners

- Multi-Surface Cleaners
- Stone Countertop Cleaners
- Anti-Fog Spray and Dust Remover
- Solvent Adhesive Removers and Cleaners



Metal and General Purpose Cleaners

- Stainless Steel Polish and Cleaners
- Armor All® Protectant
- Metal Cleaners
- Rust Treatment



Wipes, Towels, and Rags

- Lint Free Shop Wipes
- Scott Paper Towel Rolls
- Kimberly-Clark® Towels
- Micro-Fiber Wipes
- Box of Rags



Hand Cleaners

- Organic Formula
- Orange Formula With Grit
- Wipes in a Bucket With Urethane and Grease Removers



Cleaning Accessories

- Razor Blades and Scrapers
- Coveralls and Shoe Covers
- Steel Wool and Scotch Brite® Pads
- Vehicle Interior Protection



Window Washing Tools

- Squeegees
- Extension Poles
- Window Cleaning Soaps