2476 Westlake Ave N #102 Seattle, WA 98109 Tel: 206 283 0066 info@cross2dg.com www.cross2dg.com



January 12, 2023

Pioneer Square Preservation Board
Department of Neighborhoods
P.O. Box 94649, Seattle, WA, 98124-4649
Attention: Genna Nashem, Coordinator
genna.nashem@seattle.gov

Re: Application for Certificate of Approval

Lofts Condominium Project Window Replacement

210 3rd Avenue South

Dear Genna.

Consistent with the Pioneer Square Preservation District's goals to encourage residential uses, Cross 2 Design Group is proposing an exterior window upgrade with historically compatible and energy efficient aluminum windows along the 3<sup>rd</sup> Avenue South façade to support the residential occupancy of The Lofts Condominium.

We have undertaken a comprehensive window survey of the existing windows and storefronts. *Attachment A*, 210 *Third Avenue South - West Unit Window Survey- Floors 2-5 And West Storefront Addendum - Floor 1.* The condition of the western facing windows is generally poor, with decay present in most windows and many windows no longer safely operable, which impacts the livability of the residential units. Repair and maintenance of the existing windows is not a viable option.

The storefronts at grade level have seen significant wear and replacement, because of nearly continuous human caused and environmental damage, like the upper floors they have had significant environmental exposure. Much of the woodwork appears to be relatively newer than the brick mold and horizontal mullion based on the visible contours left by the layering of paint. Based on historic photos the entry doors were all recessed and are of significantly newer construction.

The proposed solution is a high-quality aluminum window system that respects the historic character of the window openings and proportions. *Attachment B*, ARKA specifications. The proposed window system is designed to meet the National Park Service's Preservation Brief #9 guidance for window replacement and will provide improved energy efficiency. It should be noted that the selection of the replacement windows was the result of an exhaustive search to find windows that not only match the appearance of the existing windows but have the same pivot operation. This aspect is unusual and was very challenging to find.

Likewise in the case of the storefronts the proposal to integrate the existing wood brick mold while providing higher energy efficiency, human comfort and durability using aluminum storefront glazing. The aluminum framed storefront glazing will provide enhanced durability given the significant issues of damage at the street level. *Attachment C, Kawneer 451T Flyer.* The proposal is consistent with the Pioneer Square Preservation Board regulations and guidance. Installation of the high-quality windows and storefronts will support the continued historical stewardship of The Lofts Condominiums.

Sincerely,

Aaron Lemchen, AIA

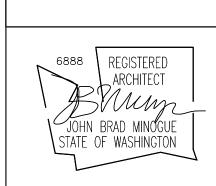
Vice-President, Design & Projects

**SOUTH WASHINGTON STREET** END AVERTEE THE SOUTH AND AND AND ADDRESS OF THE PARTY OF SOUTH **AVENUE** RAIL ROAD
BENEATH STREET THE LOFTS **FOURTH AVENUE** CONDOMINIUMS THIRD SOUTH MAIN STREET SITE PLAN 1

1/32" = 1'-0" A3.1 C2DG PROJ. No. 2021053 COA-00436

> ACEMENT 208-212 THIRD AVENUE SOUTH SEATTLE, WA 98104 REPL, GL/

(E) EAST AND WEST **EXTERIOR ELEVATIONS** 



PRELIMINARY	2021-07-19
LANDMARK	2022-03-23
LANDMARK	2022-08-19
REVISION 1	2022-01-17
REVISION 2	2022-08-19
COPYRIGHT © 2022 CROSS 2 DESIGN GROUP THESE DOCUMENTS, THE IDEAS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF SERVICE, ARE THE PROPERTY OF CROSS 2 DESIGN GROUP AND ARE NOT TO BE USED IN WHOLE OR IN	

DESIGN DRAWN

Aug. 19, 22

PLOT DATE

C2DG PROJ. No. 2021053 SDCI No. COA-00436

THE LOFTS
GLAZING REPLACEMENT

208-212 THIRD AVENUE SOUTH SEATTLE, WA 98104

2476 Westlake Ave N Suite #102 Seattle, WA 98109 t: 206.283.0066 f: 206.283.0972 e: info@cross2dg.com w: www.cross2dg.com





**ELEVATIONS** 

PRELIMINARY	2021-07-19
LANDMARK	2022-03-23
LANDMARK	2022-08-19
REVISION 1	2022-01-17
REVISION 2	2022-11-15
COPYRIGHT © 2022 CROSS	

COPYRIGHT © 2022 CROSS 2 DESIGN GROUP
THESE DOCUMENTS, THE IDEAS AND DESIGNS
INCORPORATED HEREIN AS AN INSTRUMENT OF
SERVICE, ARE THE PROPERTY OF CROSS 2 DESIGN
GROUP AND ARE NOT TO BE USED IN WHOLE OR IN
PART WITHOUT WRITTEN AUTHORIZATION OF
CROSS 2 DESIGN GROUP.

DESIGN
AL

DESIGN A

DRAWN A

CHECK A

A3.1



Diagram showing surveyed window locations on west elevation of 210 Third Avenue South.

 Area of rot / damage to frame or sash



Window Not Safely Operable



Unit 2C: Upper photos – (L) Damage at sill and sash. (R) Damage to frame, and sash. Lower photos – (L) Damage at pivot hardware, Right damage at sill and frame.



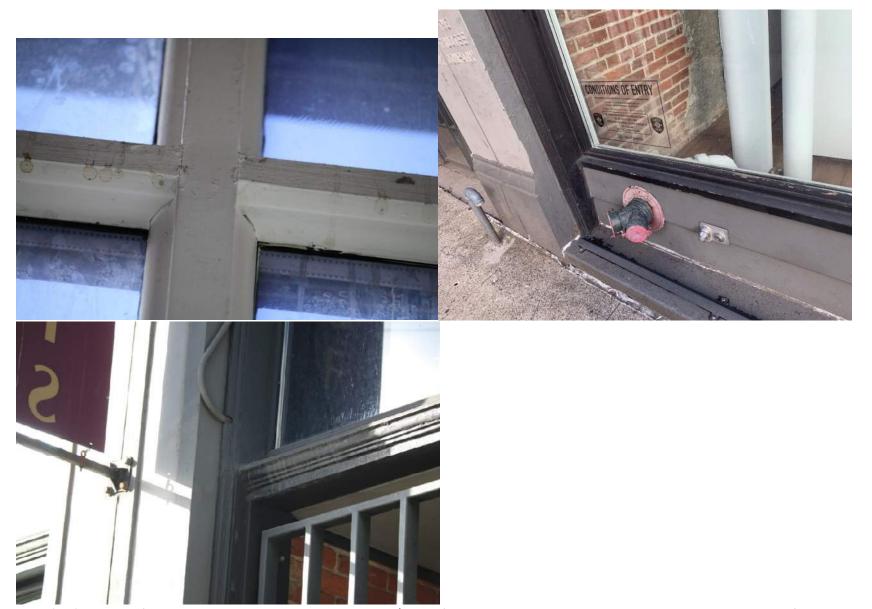
Unit 4A: (L) Upper and lower, loose joint in sash, damaged hardware, weatherchecking at sash and open joint (R) weatherchecking and damage / rot at sill.



Unit 5C: photos showing rot and damage in frame mullion(L) and in the sash and sill ®







South (212): Upper Left – staining and related damage at upper sash / muntin's. Upper Right – weathered brick at jamb and sill trim Lower Left – intersection of brick mold at jamb and horizontal mullion showing weathering .

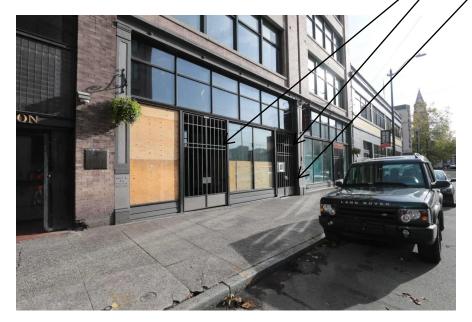


208, 210, 212 storefront cat. 1900



relocated entries, c. 1996

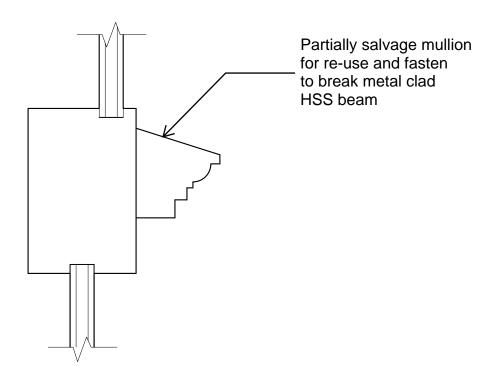
all entries recessed, typ.



208, 210 & 212 Storefronts, 2021

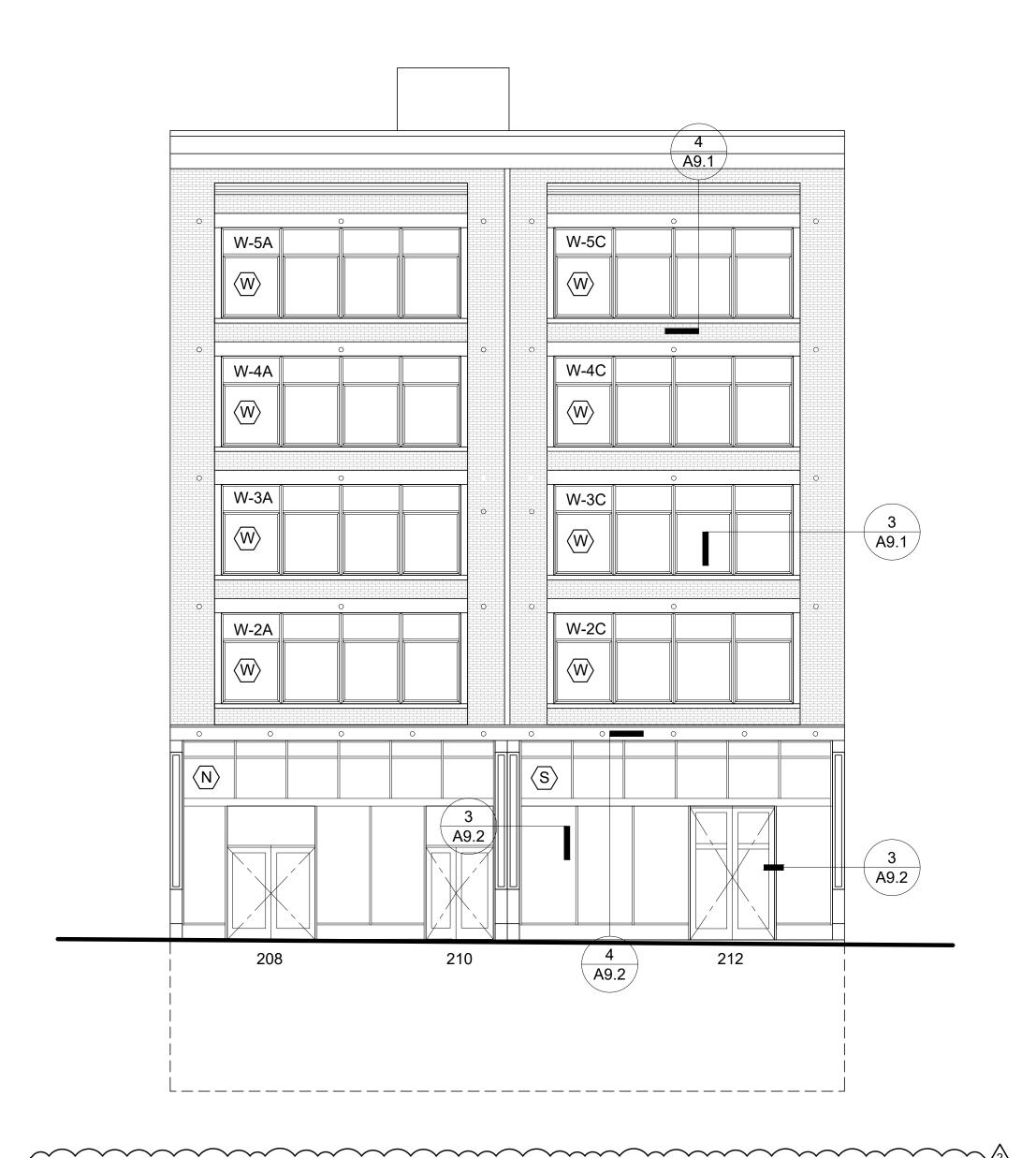


208-214 Storefronts, C. 1940



Proposed Storefront Horizontal Mullion





PROPOSED EAST EXTERIOR ELEVATION 2

E2

E3

W

Ν

PROPOSED WEST EXTERIOR ELEVATION 1

1/8" = 1'-0" A3.2

	WINDOW / DOOR SCHEDULE							
SIZE		ZE	FRAME		U-FACTOR	MANUFACTURER	NOTE	
	W	Н	MAT	TYPE	FIN	U-FACTOR	MANOI ACTOILLI	NOIL
	1'-9"	5'-0"	ALUMINUM	WINDOW / FIXED	PAINT	0.30	ST. CLOUD WINDOW	1-4
	5'-0"	6'-8"	METAL CLAD WOOD	DOOR / OPERABLE	PAINT	0.30	ANDERSEN	1-4
	4'-0"	7'-1"	ALUMINUM	WINDOW / OPERABLE	PAINT	0.30	ST. CLOUD WINDOW	1-4
	21' - 4"	8'-1"	WOOD	WINDOW / OPERABLE	PAINT	0.30	ARKA WINDOWS	1-4
	27'-10"	16'-6"+	ALUMINUM	STOREFRONT / ENTRY	PAINT	0.34	KAWNEER	1-4
	27'-10"	16'-6"+	ALUMINUM	STOREFRONT / ENTRY	PAINT	0.34	KAWNEER	1-4

 C2DG PROJ. No.
 2021053

 SDCI No.
 COA-00436

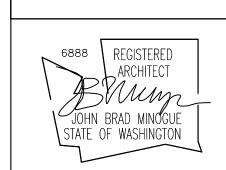
THE LOFTS

GLAZING REPLACEMENT
208-212 THIRD AVENUE SOUTH
SEATTLE, WA 98104

Suite # 102 Seattle, WA 98109 t: 206.283.0066 f: 206.283.0972 e: info@cross2dg.com w: www.cross2dg.com



**ELEVATIONS** 



PRELIMINARY	2021-07-19
LANDMARK	2022-03-23
LANDMARK	2022-08-19
REVISION 1	2022-01-17
REVISION 2	2022-11-15
CODYDIGHT & COCC ODCOC	

COPYRIGHT © 2022 CROSS 2 DESIGN GROUP
THESE DOCUMENTS, THE IDEAS AND DESIGNS
INCORPORATED HEREIN AS AN INSTRUMENT OF
SERVICE, ARE THE PROPERTY OF CROSS 2 DESIGN
GROUP AND ARE NOT TO BE USED IN WHOLE OR IN
PART WITHOUT WRITTEN AUTHORIZATION OF
CROSS 2 DESIGN GROUP.

DESIGN
AL

DRAWN
AL / AZ

DRAWN CHECK

A3.2

PLOT DATE

TE Nov. 22, 22



Customer Quote #: **87757-1**Date: **09/23/2021** 



## ARKA Luxury Windows Doors Inc.

2915 Red Hill Avenue C107 Costa Mesa, CA 92626 (323) 522-4833 www.arkawindowsdoors.com



# TOGETHER FOR BETTER



## **Project Information**

Customer: TRUE NORTH Construction Management, Inc.

Phone: 206-379-7395

Address: Email: jordan@truenorthcm.com

## **ARKA Luxury Windows Doors Contact Information**

Local Sales: Andrey Gab Phone:(310) 367-1209

Email: ag@arkawindowsdoors.com

## **Shipping Information\***

Address:

1 | P a g e

## **Aluminum** constructions in systems: ALUPROF S.A. (MB-70 HI)







The thermal insulation performance of frames of this system is considerably higher than the insulation performance of base systems. The value of heat transfer coefficient Uf for constructions of the MB-70HI system - depending on the applied profiles and accessories – ranges between 1.0 and 2.3 W/(m2K).

Enhanced thermal insulation performance is achieved due to placing special insulating inserts in the central insulating chamber, formed by connecting aluminum profiles with thermal breaks. Thus, formed inserts reduce heat transfer through this chamber due to low value of heat transfer coefficient. The central location of inserts additionally limits convection and thermal radiation.

**PRODUCT TYPE**: Vertical Pivot Windows

**SYSTEM TYPE**: ARKA MB 70 HI (New Gen Thermal Aluminum)

RECOMMENDED RO WIDTH: 65" RECOMMENDED RO HEIGHT: 98"

NET FRAME WIDTH: 64" NET FRAME HEIGHT: 97"

FRAME: Aluprof MB-70 Hi Bi-color

#### **CUSTOM COLOR DETAILS**

COLOR OUTSIDE: Matte Black RAL 9005 SeaSide Option Included

**COLOR INSIDE:** ADEC M 103 Mahogany

**HARDWARE:** Pivot Window Sabinco

**HARDWARE FINISH: Brown** 

#### **HARDWARE OPTION:**

- 1. A handle can be located on a vertical part of the sash.
- 2. The window opens 180 degrees and has 22-degree fixed positions

#### **GLASS TYPE: Triple pane 46mm**

Outside Glass: <sup>1</sup>/<sub>4</sub> Sunguard51/28Temp (6mm) TEMPERED

Central Glass: Clear Laminated 3.3.1 (6mm)

Inside Glass: 5/32 ClimaGuard Premium T (4mm) TEMPERED

Gas Type: Argon

Spacer: Black CHROMATECH Ultra or SWISSPACER ULTIMATE

U factor (Glass): 0.12 SHGC (Glass): 0.22 STC (Glass): 42 Vt: 0.45

#### **Calculated Windows Thermal and Sound Performance**

U factor: 0.19 SHGC: 0.15 STC: 37 Vt 0.30

#### **CUSTOMER PRICING DETAILS**

Total customer price for 32 (4\*8) Pivot windows: \$199,862.06

Builder Discount 42% \$83,942.06

Factory Shipping& Handing Included Installation Labor: Not Included

Freight / Delivery to Seattle \$5000.00

Total \$120,920.00 Sales Tax 0.0 **Grand Total:** \$120,920.00

The proposal is valid till October 10th, 2021



\*Regular delivery estimate lead time – 16-20 weeks from order to ARKA's Luxury.

## (due to Covid we are experiencing delays) PRICING & PAYMENT

The quoted price is valid only for the product details listed and only for 30 days from the date of the Quote. Prices are subject to change if any revisions are made, or if an order is not placed within 30 days from the date of the Quote.

An initial payment of 70% is due on order and must be received before ARKA will process an order for production. The balance of payment for all products shipped regular Delivery is (1) wire transfer to ARKA's bank account to be received by ARKA before delivery or (2) personal, business or cashier's check on delivery to be handed over to the common carrier driver. For First Threshold delivery, the balance is due at ARKA's office two weeks before the given estimated time of arrival. As products are made to order, Buyer may not cancel or change an order once a Contract for Sale is formed. In the event of Buyer's repudiation of the Contract for Sale, ARKA is entitled to the full purchase price of the Contract for Sale.

#### **SHIPPING & DELIVERY**

Standard Delivery. The quoted freight amount is based on shipping to Buyer via ARKA's standard shipping methods to tailgate/curbside only. Buyer is responsible for unloading the product from the delivery truck and must plan to have sufficient manpower present for unloading. If the location is not easily accessible by common carrier, shipment will be made to the nearest freight terminal. Alternative shipping methods requested by Buyer may result in additional charges. Buyer can make its own transport arrangements from ARKA production sites within the U.S., and in the case of international production sites Buyer can make its own transport arrangements from the domestic port of entry.

First Threshold Delivery. First Threshold delivery is available for residential projects for an additional \$200 per position. First Threshold includes driver unloading the product and placing the shipment over the "first threshold" of the structure, typically a

garage. Uncrating or unpacking is not included. Full payment of the purchase price and First Threshold Delivery charges must be received by ARKA two (2) weeks prior to estimated delivery. ARKA must be notified at time of order if First Threshold delivery is required so the necessary arrangements can be made. This delivery method will add two (2) weeks to the standard lead time. It is not available for orders with large sliders.

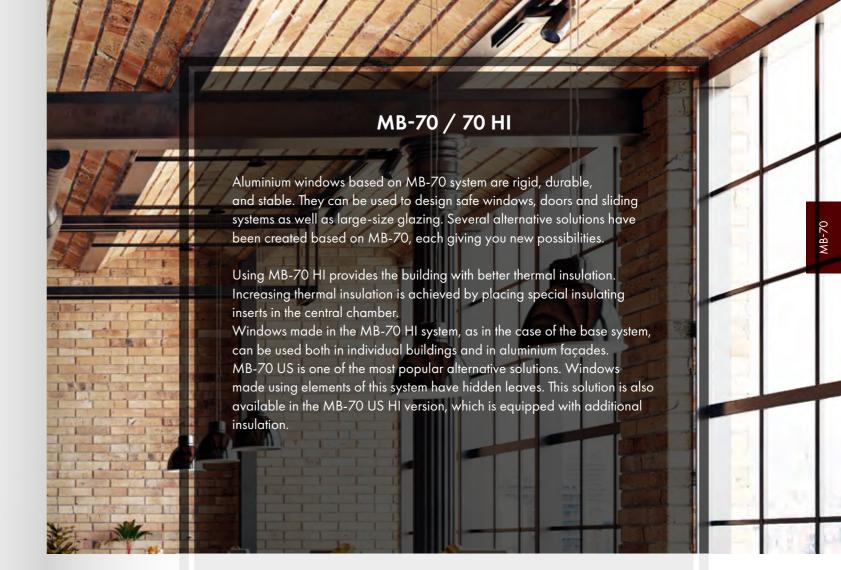
## **MB-70**

WINDOW AND DOOR SYSTEMS



TECHNICAL DATA	MB-70 / HI	MB-70US / HI		
Frame depth (door / window)	70 mm	70 mm		
Leaf depth (door / window)	70 mm / 79 mm	79 mm		
Glazing thickness (permanent window and door / active window)	15 – 51 mm 23 – 60 mm	9 – 45 mm 18 – 54 mm		
MIN. VISIBLE PROFILE WIDTH				
Frame (door / window)	51 mm / 47 mm	75 mm		
Leaf (door / window)	72 mm / 32 mm	-		
MAX STRUCTURE DIMENSIONS AND WEIGHT				
Max. dimensions of tilt-and-turn window	H to 2400 mm L to 1600 mm	H to 2100 mm L to 1400 mm		
Max. dimensions of door leaf	H to 2400 mm L v 1300 mm	-		
Max. weight of the leaf (door / window)	120 kg / 130 kg	130 kg		

12

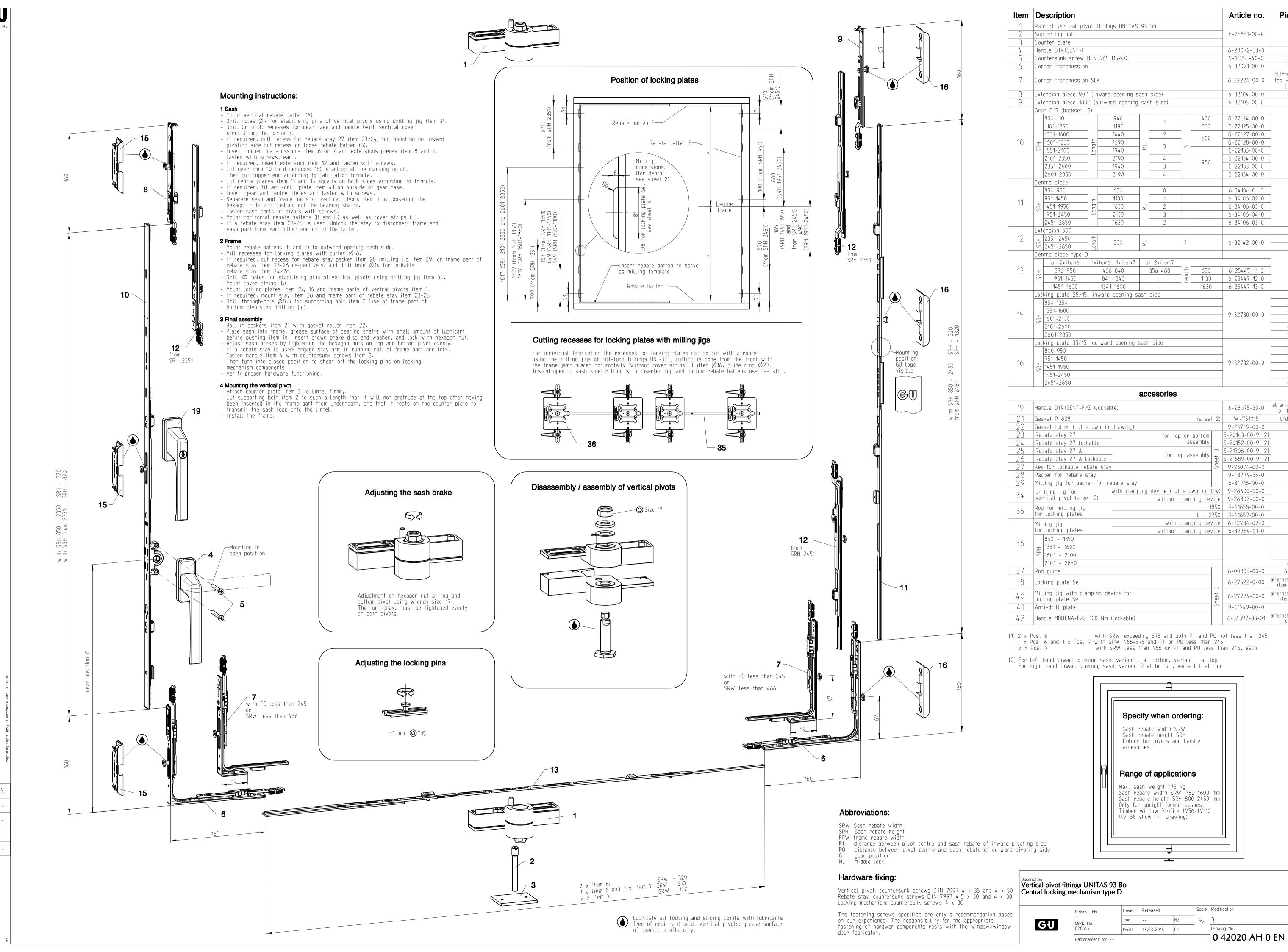


### Alternative variants of MB-70 window profiles



MB-70 HI





Piece

too Pos. 6

to item 4

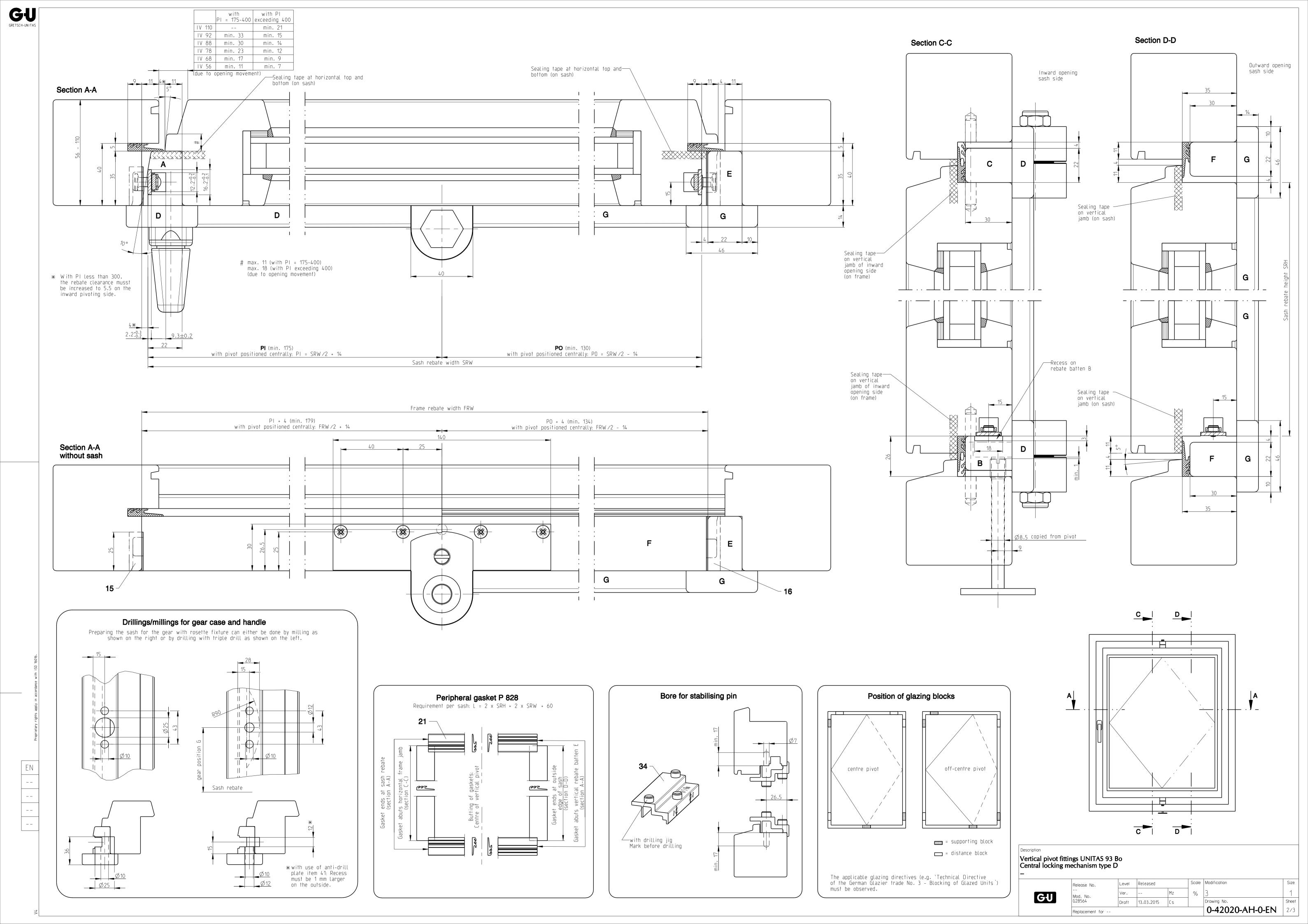
6-9

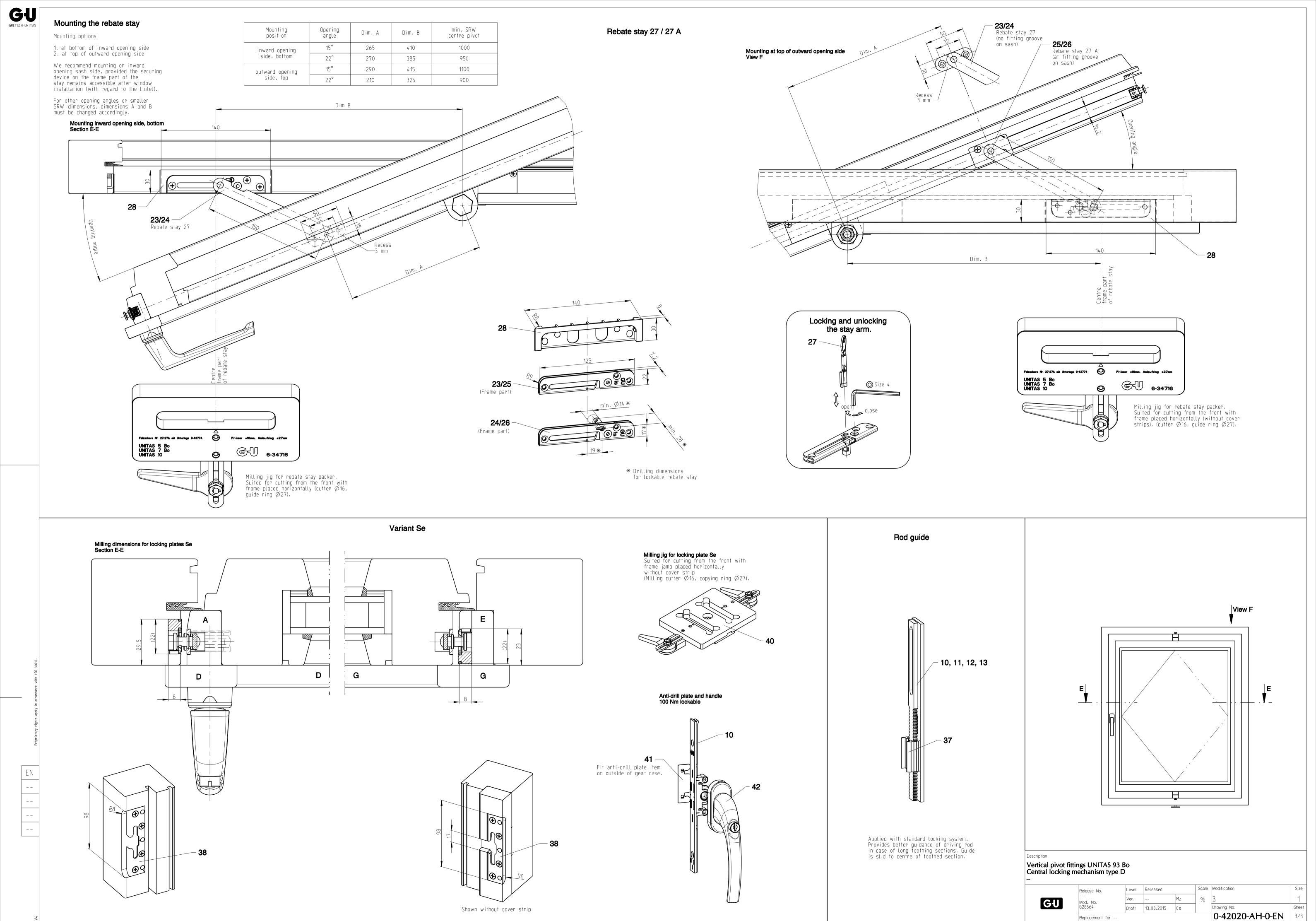
alternatively t item 15+16

alternatively t

item 36

alternatively t





Replacement for -

#### TRIFAB® VG (VERSAGLAZE®)

TRIFAB® VG 450, 451 & 451T (THERMAL) FRAMING SYSTEMS & TRIFAB® 451UT (ULTRA THERMAL) FRAMING SYSTEM



# Design + Performance Versatility with Unmatched Fabrication Flexibility



Trifab® VersaGlaze® is built on the proven and successful Trifab® platform – with all the versatility its name implies. There are enough framing system choices, fabrication methods, design options and performance levels to please the most discerning building owner, architect and installer. The 4.5" depth Trifab® VersaGlaze® Framing System family is available with non-thermal, thermal and ultra-thermal performance levels. The ultra-thermal Trifab® 451UT Framing System, is designed for the most demanding thermal performance and employs a dual Isolock® thermal break.

#### **AESTHETICS**

Trifab® VersaGlaze® Framing Systems offer designers a choice of front-, center-, back- or multi-plane glass applications. Structural silicone

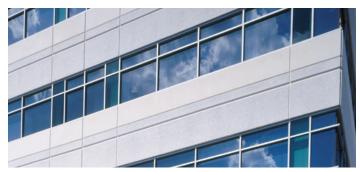
glazing (SSG) and weatherseal glazing options further expand designers' choices, allowing for a greater range of possibilities for specific project requirements and architectural styles. All systems have a 4-1/2" frame depth; Trifab® VersaGlaze® 450 has 1-3/4" sightlines, while Trifab® VersaGlaze® 451/451T and Trifab® 451UT have 2" sightlines.

With seamless incorporation of Kawneer entrances or windows, including GLASSvent® visually frameless ventilators, Trifab® framing can be used on almost any project. These framing systems can also be packaged with Kawneer curtain walls and overhead glazing, thereby providing a full range of proven, and tested, quality products for the owner, architect and installer from a single-source supplier.

#### **ECONOMY**

Trifab® VersaGlaze® 450/451/451T/451UT Framing Systems offer a variety of fabrication choices to suit your project:

- Screw Spline for economical continuous runs utilizing two-piece vertical members that provide the option to pre-assemble units with controlled shop labor costs and smaller field crews for handling and installation. (available for all systems)
- Shear Block for punched openings or continuous runs using tubular moldings with shear block clips that provide tight joints for transporting large pre-assembled multi-lite units. (available for 450/451/451T systems)
- Stick for fast, easy field fabrication. Field measurements and material cuts can be done when metal is on the jobsite. (available for 450/451/451T systems)
- Pre-glazed The combination of screw spline construction with pre-glazing in the shop accelerates installation and reduces field labor time while minimizing disruption to the surrounding area or existing tenants. Making it an exceptional choice for new or retrofit applications, particularly in urban areas or where space is limited. (available for 451/451T/451UT framing)



Brighton Landing
Cambridge, Massachusetts
ARCHITECT
ADD Inc., Cambridge, Massachusetts
GLAZING CONTRACTOR
Ipswich Bay Glass Company,Inc., Rowley, Massachusetts
PHOTOGRAPHER
© Gordon Schenck, Jr.

All systems can be flush glazed from either the inside or outside. The weatherseal option provides an alternative to SSG vertical mullions for Trifab® VersaGlaze® 450/451/451T. This ABS/ASA rigid polymer extrusion allows complete inside glazing and creates a flush glass appearance on the building exterior without the added labor of scaffolding or swing stages. Additionally, high-performance flashing options are engineered to eliminate perimeter sill fasteners and associated blind seals.

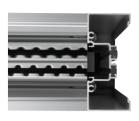
#### FOR THE FINISHING TOUCH

Architectural Class I anodized aluminum and painted finishes in fluoropolymer (AAMA 2605) and solvent-free powder coatings (AAMA 2604) offer a variety of color choices.

#### **PERFORMANCE**

Kawneer's Isolock® thermal break technology creates a composite section, prevents dry shrinkage and is available on Trifab® VersaGlaze® 451T. For even greater thermal performance, a dual Isolock® thermal break is used on Trifab® 451UT.

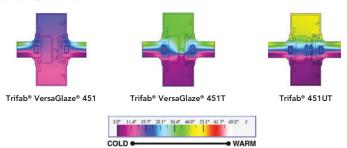




Trifab® 451UT uses a dual Isolock® thermal break (right) and features a new highperformance sill design, which incorporates a screw-applied end dam (left), ensuring positive engagement and tight joints between the sill flashing and end dam.

U-factor, CRF values and STC ratings for Trifab® framing systems vary depending upon the glass plane application. Project-specific U-factors can be determined for each individual project. (See the Kawneer Architectural Manual or Kawneer.com for additional information.)

Thermal simulations showing temperature variations from exterior/cold side to interior/warm side.



#### **PERFORMANCE TEST STANDARDS**

Air Infiltration	ASTM E283	
Water	AAMA 501, ASTM E331	
Structural	ASTM E330	
Thermal	AAMA 1503	
Thermal Break	AAMA 505, AAMA TIR-A8	
Acoustical	AAMA 1801, ASTM E1425	













SSG Weatherseal





