

## **RFB944300-01 ADDENDUM #03**

DATE: April 25, 2025

PROJECT: 9443.00 DOC MPCF Appliance Shop, Powerhouse, Carpentry, and Paint Shop Window Replacement

BID DUE DATE: May 1, 2025 @ 2:00 pm

TO: All Contract Document Holders of Record.

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This Addendum forms a part of the bidding and construction documents. This Addendum supersedes and supplements all portions of the original bidding and construction documents dated January 17, 2025, with which it conflicts. Please attach this Addendum to the Project Manual(s) in your possession.

**ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED ON THE BID FORM. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.**

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### **1. QUESTIONS/CLARIFICATIONS**

- a. Clarifications
  - i. A substitution request has been submitted and approved by the architect for specification section 08 5113 – Aluminum Windows. Please see the approved request and submittals below.



Knowledge for Creating  
and Sustaining  
the Built Environment

## SUBSTITUTION REQUEST

(During the Bidding/Negotiating Stage)

**Project:** MPCF - Window Replacement

**Address:** 1200 E Washington St

**To:** Horizon Architecture

3116 Alpine Ct Iowa City , IA

**Re:** EFCO Product Substitution Request

**Substitution Request Number:** 1

**From:** EFCO

**Date:** 4/25/2025

**A/E Project Number:** G25-001B

**Contract For:** Division 8

**Specification Title:** Aluminum Windows

**Description:** : Aluminum Windows

**Section:** 085113

**Page:** 2

**Article/Paragraph:** 2.1-2.2

**Proposed Substitution:** EFCO 325X/HX32

**Manufacturer:** EFCO

**Address:** 1000 County Rd, Monett, MO 65708,  
United States

**Phone:** 800.221.4169

**Trade Name:** 3-1/4" Architectural Projected/Casement / Single Hung Windows

**Model Number:** 325X/HX32

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.



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## SUBSTITUTION REQUEST

(During the Bidding/Negotiating Stage)

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**Submitted By:** Hillesheim Architectural Products, Inc. - Representing EFCO

**Signed By:** Matt Tschida

**Firm:** Hillesheim Architectural Products, Inc.

**Address:** 2105 Primrose Ln Faribault, MN 55021

**Telephone:** 612-387-7294

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### A/E's Review and Action:

- ☒ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures
- ☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- ☐ Substitution rejected - Use specified materials
- ☐ Substitution Request received too late - Use specified materials.

**Signed By:**

**Date:** 4/25/2025

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Supporting Data Attached:

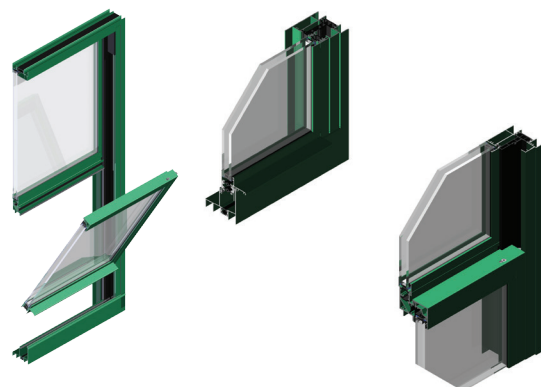
☐ Drawings ☒ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ Other

# SERIES HX32 SINGLE HUNG/TILT

3-1/4" HIGH PERFORMANCE THERMAL, ARCHITECTURAL GRADE WINDOW



Designed to meet the increasing demand for thermally innovative products needed for schools, government buildings and multi-family housing. EFCO's HX32 single hung / tilt window, combines superior thermal U-factors with architectural grade structural performance to meet the high standards and specifications of today's building envelope requirements.



## AAMA RATING (A440)

AW-PG50-H



## STRUCTURAL LOAD (ASTM E330)

90.23 PSF



## AIR INFILTRATION (ASTM E283)

< 0.30 CFM/FT<sup>2</sup>



## WATER RESISTANCE (ASTM E331)

10 PSF



## U-FACTOR\* (ANSI/NFRC 100/200)

0.28 - 0.54



## CRF (AAMA 1503)

66



## STC\* (ASTM E90 & E413)

35



## OITC\* (ASTM E90 & E413)

31



## FORCED ENTRY (ASTM F588 OR F842)

TYPE: A - GRADE 10



## ACCESSIBILITY (AAMA 513)

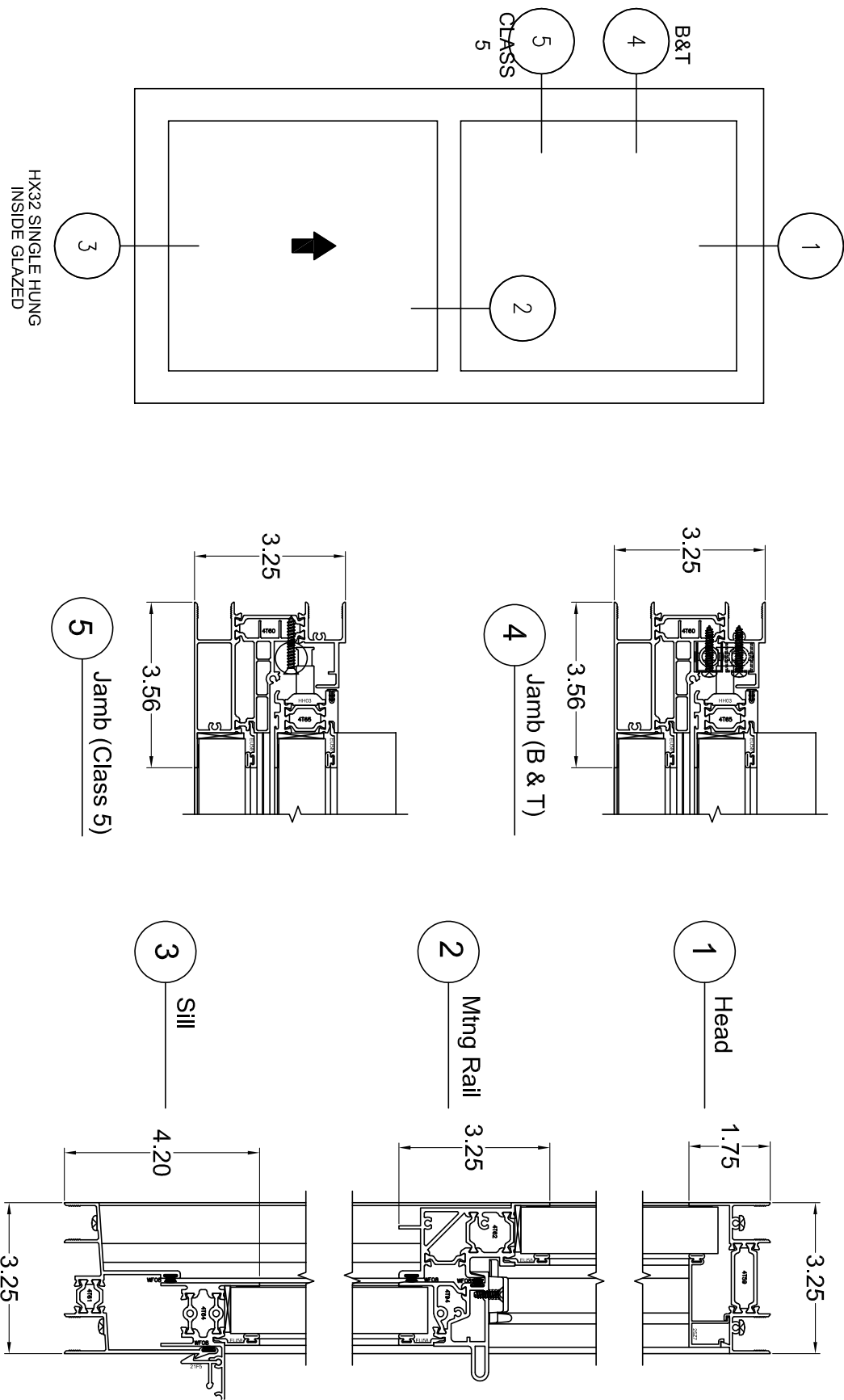
N/A



## STANDARD FEATURES

- 3 1/4" Frame depth
- Single Hung Tilt configuration
- 10 lb water
- Architectural rating of AW50
- Fully strutted- 2 color availability
- 1" Glazing pocket
- Internal Glass muntins available
- U-Factor as low as .35
- CRF of 65
- Base STC of 33 with standard annealed insulating glass
- Block and tackle or Class F balance options
- Series FX32 fixed stacking mate, U-Factor of .33
- Full line of EFCO XTherm® accessories
- Snap-in flange for Vapor Barrier use

\* Performance dependent on glass selection. Please contact your EFCO sales rep for project specific performance.

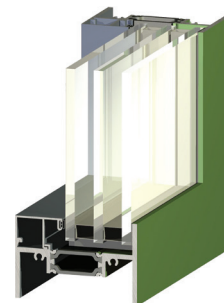




# SERIES 325X THERMAL WINDOW



The 325X window series was developed to meet the increasing energy efficiency demands of today's marketplace. The deeper strutted thermal break allows for triple glazing while also providing superior thermal separation of the framing materials. This window system is an attractive and versatile product that can be utilized on a wide range of applications from educational, to office and healthcare facilities. Offered with a complete line of thermal subframes, mullions and architectural sills, the 325X provides the complete solution for your fenestration needs.

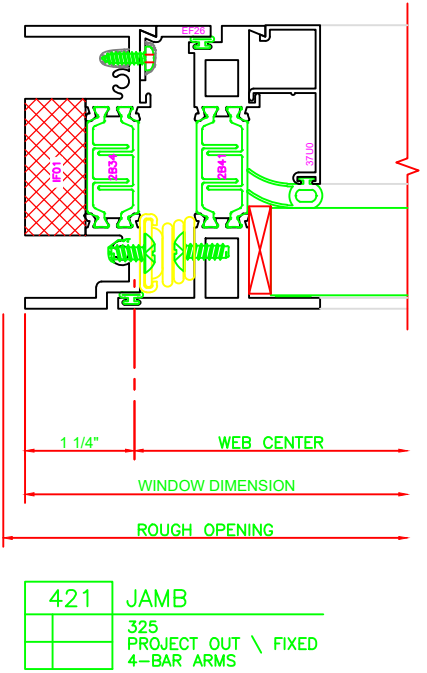
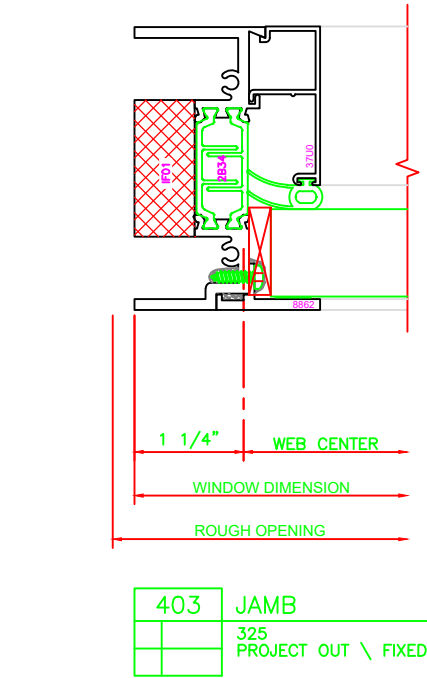


<b>AAMA RATING</b> (A440)  FX: AW150 PO: AW120		<b>STRUCTURAL LOAD</b> (ASTM E330)  FX: +/- 225.6 PSF PO: +/- 180.45 PSF	
<b>AIR INFILTRATION</b> (ASTM E283)  FX: <0.10 CFM/FT <sup>2</sup> PO: <0.10 CFM/FT <sup>2</sup>		<b>WATER RESISTANCE</b> (ASTM E547 & E331)  FX: 15 PSF PO: 15 PSF	
<b>U-FACTOR*</b> (ANSI/NFRC 100/200)  FX: 0.23 - 0.54 PO: 0.36 - 0.59		<b>CRF</b> (AAMA 1503)  FX: 70 PO: 66	
<b>STC*</b> (ASTM E90 & E413)  FX: 38 AWNING: 37		<b>OITC*</b> (ASTM E90 & E413)  FX: 32 PI: 30	
<b>FORCED ENTRY</b> (ASTM F588 OR F842)  FX: GRADE 40 PO: GRADE 40		<b>ACCESSIBILITY</b> (AAMA 513)  YES (OUTSWING/ INSWING & PO ONLY)	

## STANDARD FEATURES

- 35 mm E-Strut™ thermal isolator
- Vertical or horizontal stacking members
- Dual glazing with optional integral blinds
- Pressure equalization
- Angle reinforced vent corners
- Wide variety of locking and operating hardware available
- Accessory line of subframes, mullions, and architectural sills
- Anodized or painted finishes available
- Screen frames of extruded aluminum alloy are available

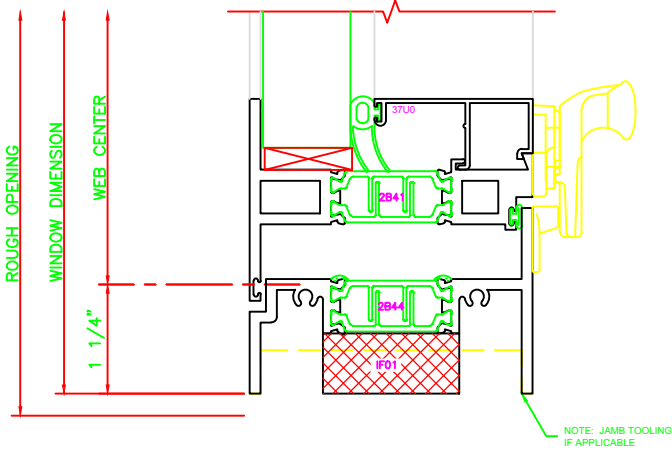
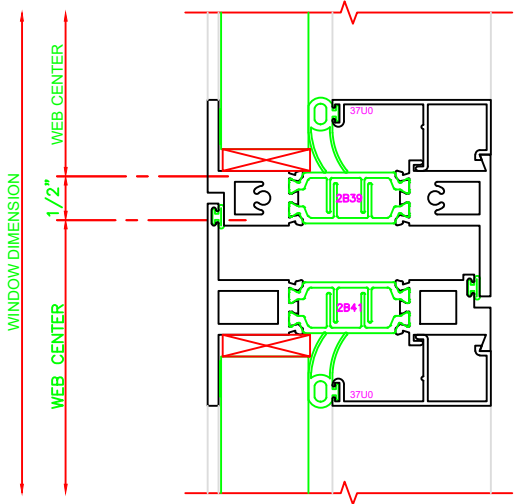
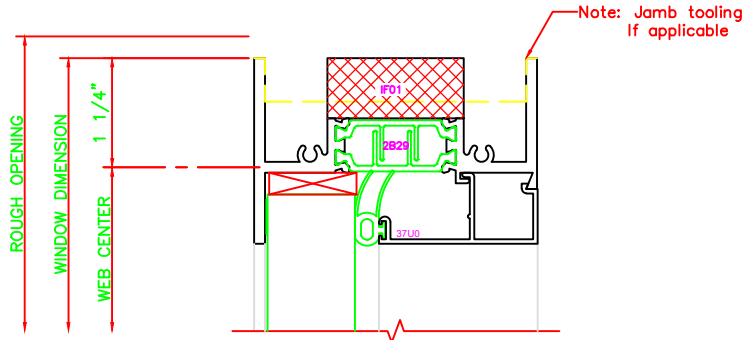
\* Performance dependent on glass selection. Please contact your EFCO sales rep for project specific performance.

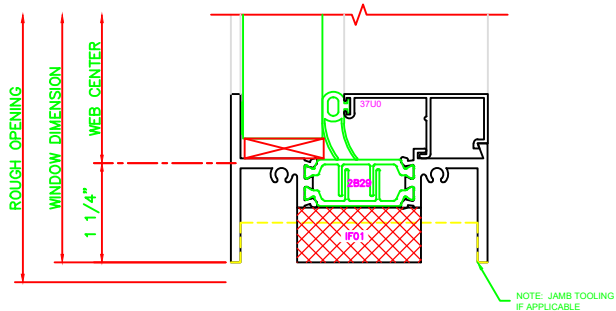
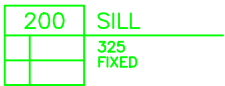
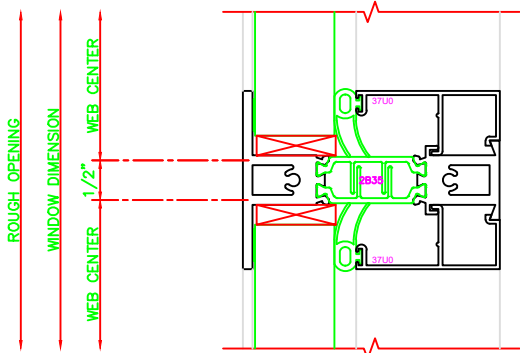
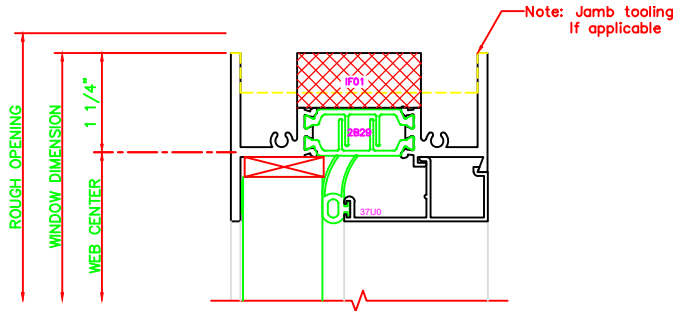
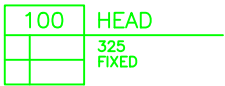
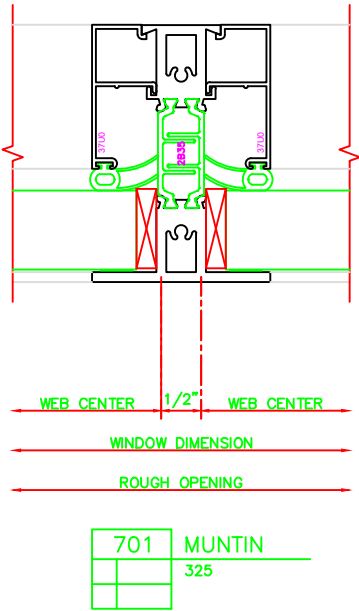
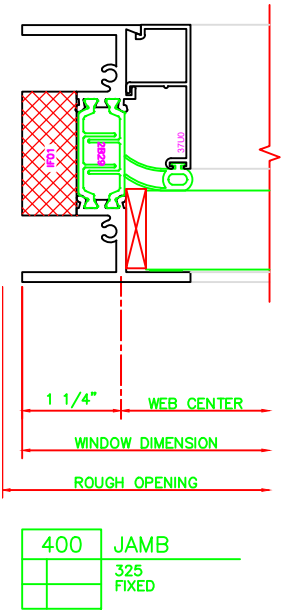


100	HEAD
	325
	FIXED

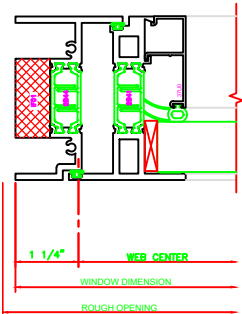
521	MEETING RAIL
	325
	FIXED \ PROJECT OUT
	CAM LOCK

220	SILL
	325
	PROJECT OUT
	4-BAR ARMS

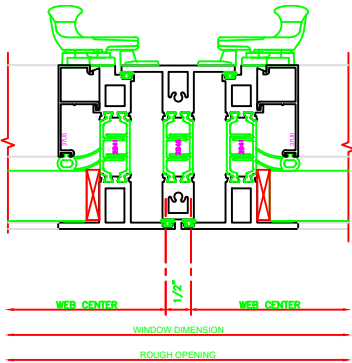






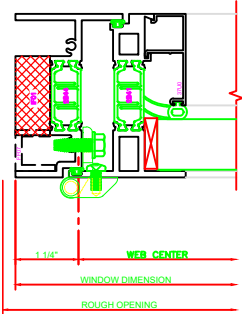


440	JAMB
	325 CASEMENT OUT
	4-BAR ARMS



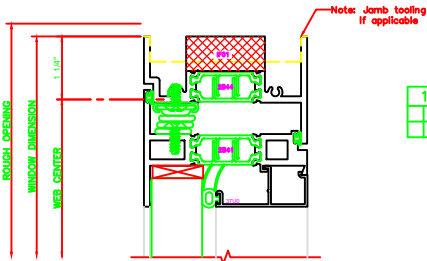
640	MEETING RAIL
	325 C.C. 1 C.O. LOCKS

13 = **ERECTOR NOTE:**  
THE HINGED JAMB FRAME SHALL BE INSTALLED PLUMB. ALL HINGES SHALL BE SECURELY BLOCKED AND ANCHORED TO THE CONDITION THROUGH THE HINGES OR AS CLOSE AS POSSIBLE TO THE HINGES.

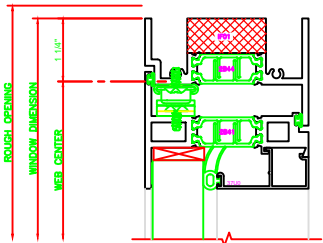


442	JAMB
	325 CASEMENT OUT
	BUTT HINGES

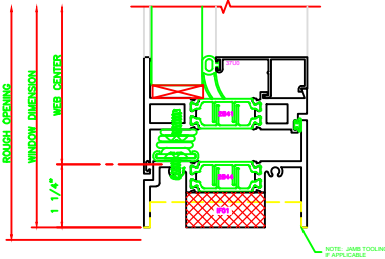
140	HEAD
	325 CASEMENT OUT
	4-BAR ARM



141	HEAD
	325 CASEMENT OUT
	BUTT HINGES



240	SILL
	325 CASEMENT OUT
	4-BAR ARMS



241	SILL
	325 CASEMENT OUT
	BUTT HINGES

