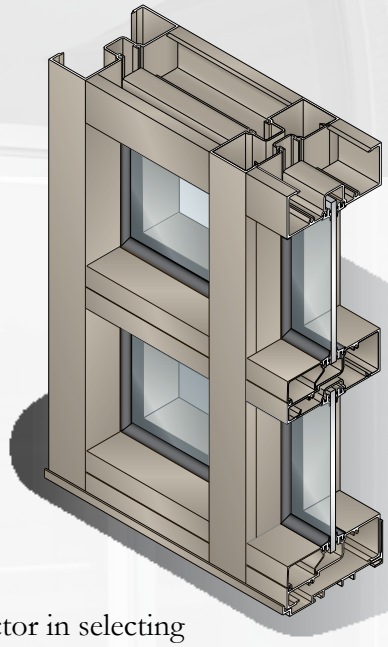
STOREFRONT SYSTEMS

SERIES 400 & 450 CENTER GLAZE

- Series 400 - 1-3/4" x 4" (44.5 x 101.6 mm)
- Series 450 - 1-3/4" x 4-1/2" (44.5 x 114.3 mm)
- 1/4" or 3/8" (6 or 10 mm) Glazing Infills
- Injection Molded Water Deflectors
- Screw Spline Assembly
- Shear Block Assembly
- Stacking Installation Option
- Full Range of Accessory Components
- Available in Anodized or Painted Finishes
- Interior or Exterior Glazed

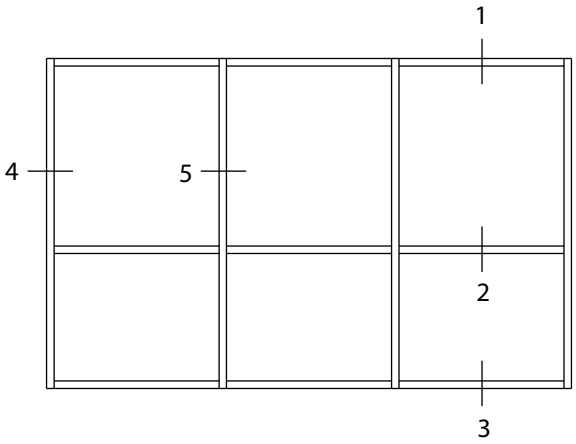


Fabrication and installation labor costs have always been a decisive factor in selecting framing systems for storefront projects. United States Aluminum offers cost efficient versatile Center Glazed Systems with clean lines and superb performance. All series may be interior or exterior glazed. A top load E.P.D.M. gasket is used to position and weatherseal the glass in the aluminum pocket. Center Glazed Systems are compatible with most United States Aluminum Entrance Doors.

United States ALUMINUM CRL

USALUM COM

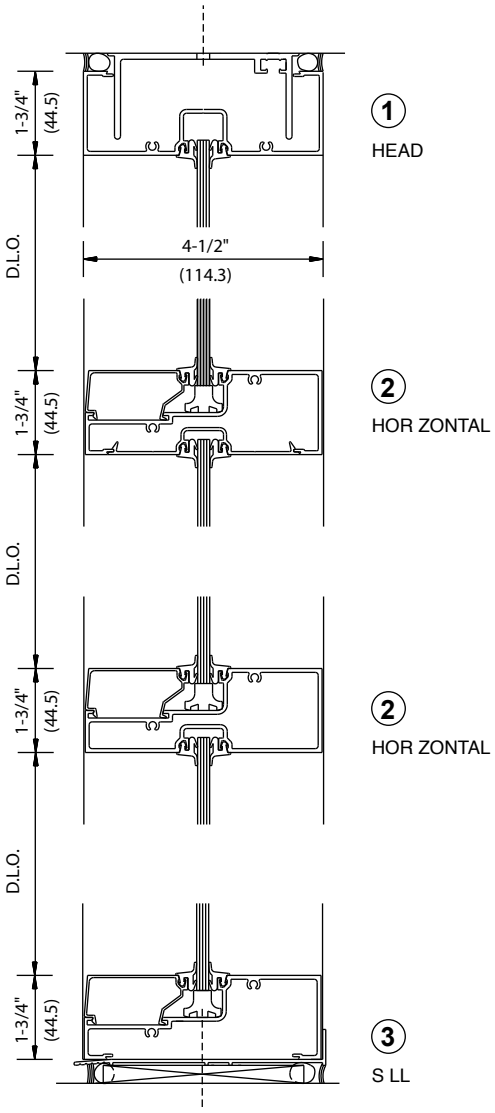
SERIES 400 & 450 STOREFRONTS
TYPICAL DETAILS



TYPICAL ELEVATION

Series 450 details shown; Series 400 are similar.
Our Center Glazed Systems can be interior or exterior glazed, with Screw Spline or Shear Block Assembly.

For Specifications, Details, and Testing Data go to **usalum.com**.



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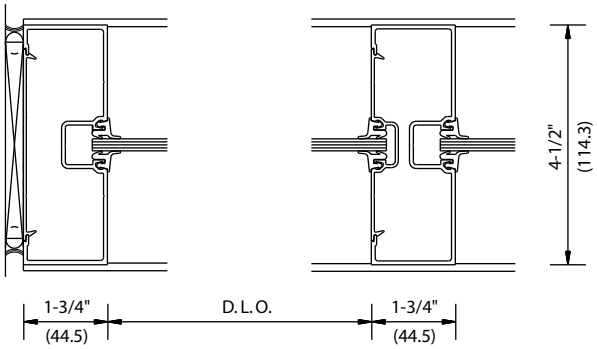


4 JAMB

5 VERT CAL

NOT TO SCALE

Interdisciplinary Science Building
Webster University
Cannon Design Project No. 004561.01

Project: Webster ISB Interior

Substitution Request Number: 1

From: Dan Ward

To: Devin Gates

Date: October 27, 2016

Re: Interior

Contract For:

Specification Title: Aluminum Frames

Description: EGS-1 thru EGS-4 Framing Systems

Section: 081216 Page: 2 Article/Paragraph: 2.1 Manufacturers

Proposed Substitution: Products

Trade Name: Aluminum and Glass

Model No.: 487 Series Framing / 450 & 451 Series Storefronts

Manufacturer: CR Laurence (487 Series) / US Aluminum (Storefronts)

Address: 270 Riverside Parkway, Suite A

Austell, GA 30168

Phone: 800-955-9551 Manufacturer Web Page: www.crlaurence.com

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

Savings to Owner for accepting substitution: None ($ 0

Proposed substitution changes Contract Time: ☒No ☐Yes [Add] [Deduct] _____ days.

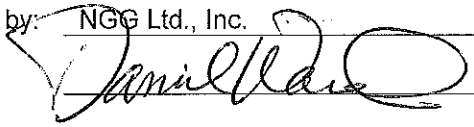
The Undersigned Bidding General Contractor/Construction Manager Certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified products.
- 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.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Interdisciplinary Science Building
Webster University
Cannon Design Project No. 004561.01

- The following supporting data is attached to this request and verifies the above statements:
  - ☒ Drawings
  - ☒ Product Data
  - ☐ Samples
  - ☐ Tests
  - ☒ Reports
  - ☐ Other (explain) _____

Submitted by: NGG Ltd., Inc.

Signed by: 

Contractor: Paric Corporation

Address: 77 West Port Plaza

Maryland Heights, MO 63146

Phone: 636/561-9586 Email: ddgates@paric.com

Review and Action

- ☐ Substitution approved – Make submittals in accordance with the Specifications.
- ■ Substitution approved as noted – Make submittals in accordance with the Specifications.
- ☐ Substitution rejected – Use specified materials.
- ☐ Substitution received too late – Use specified materials.

Comments: confirm that custom color finish is available as specified. Color will be white to match Sherwin Williams SW 7004 Snowbound

Signed by: Lynn Grossman Date: 12.03.16

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Joe Voypick
SUBMITTED BY

081216-006
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

081216
SPECIFICATION SECTION / PARAGRAPH

MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ◯ Shop Drawings
- ◯ Samples (_____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◯ Record Documents
- ◉ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ O&M Manuals
- ◯ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ◯ Information Only ◯ Record

REMARKS OR DEVIATIONS

Pending Response of Substitution Request 27

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

Joe Voypick
REVIEWED BY

11/28/16
DATE

To be completed by Reviewer

08 1216-006
CANNON DESIGN SUBMITTAL NUMBER

11/28/16
RECEIVED DATE

- ◯ A. No Exceptions Taken
  No further review of submittal is required.
- ◯ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ◯ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ◯ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ◯ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ◯ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ◯ See attached sheet(s) for additional comments

Limited submittal only: See approved substitution request at end of submittal.

Provide finish samples.

Finish:
IGS-1, IGS-2, IGS-3, IGS-4: Color finish to match Sherwin Williams SW 7004 - Snowbound. (a white)

Where indicated, finish to match exterior Curtainwall EGS1

Provide medium stile doors where noted - confirm that these are consistent with hardware specified.

REVIEWED BY

12.03.16
DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0346

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 11/28/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Aluminum Framing Product Data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☑ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☑ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	*Package*	*Code*	*Rev.*	*Copies*	*Date*	*Description*	*Status*
Submittal		081216-006	1		11/28/2016	Aluminum Framing Product Data	Submitted

NOTES:

CC:

Signed: _____

Devin Gates