

#### **Addendum 4:**

Requirements of all trade contractors:

1. Proposals will only be accepted on the forms provided for the scope of work outlined herein.
  - a. Qualifications to the scope of work will not be accepted.
2. Clean up of all debris and proper offsite disposal
3. Attendance at weekly site walk thru, once onsite work begins
4. Applications for payment will only be accepted on AIA G732-2009 with AIA G703-1992
  - a. AIA G706 & AIA G706A must be included with each application for payment
5. Current Insurance Certificate(s) with coverage's and additional insured as shown on attached sample certificate.
  - a. If you will be operating motorized or hydraulic equipment on the site you will also need to include the Contractors Pollution Liability
6. OSHA approved Safety Program, copy maintained at the jobsite
  - a. Weekly onsite safety meetings, documentation to be provided to the owner
7. All Safety items necessary to complete this Scope of Work
8. Performance and payment bond required.
9. Project is prevailing wage, certified weekly payroll reports required.
10. Overhead and profit for any extra work completed will be set at 15%.
11. Provide total unit cost for all tradesman as a separate attachment to the provided proposal form.
  - a. This should include unit costs for any major equipment utilized to complete your scope of work

The necessary materials, labor, equipment, tax and supervision required to complete the Window and Door Replacement Work shown, noted or scheduled on the drawings, specifications or specified herein including but not necessarily limited to:

1. Windows, Storefront Doors & Frames
  - a. Basis of design for replacement windows is Quaker H650 Single Hung, with 2604 Powder Paint Finish
    - i. Minimum 10 year finish warranty
    - ii. 1" Low E glazing, U-Value of .30 or better
    - iii. Sizing to match existing openings
    - iv. Combination of Single Hung, Single Hung Fixed and 2ea Double Hung
    - v. Contractor is responsible to filed verify quantities and sizes
      1. Drawings provided as reference only
    - vi. Local vendor option
      1. Chatham Industries, David Doyle at 814-602-9525 or dbdoyle2123@gmail.com
    - vii. If proposing alternate window manufacture please include submittals with bid
  - b. Basis of design for storefront frames and doors is Kawneer 451T framing and 500 Series standard entrances.
    - i. Minimum 10year finish warranty
    - ii. 1" Low E glazing at both exterior and interior, U Value of .30 or better
    - iii. Local vendor option Corporate Glass, Mike Barr at 814-455-5151 or mikeb@corporateglassinc.com
  - c. Remove/Reinstall window coverings
  - d. Remove/Reinstall 1"x4" hardwood trim at jambs and head
    - i. Some openings do not have trim detail, add 1"x4" eased edge poplar board
    - ii. Opening touch does not extend beyond trim detail
      1. At hollow metal frame replacement, patch openings as necessary
    - iii. Existing stone sills to remain
      1. Replace if damage occurs during demo/replacement
  - e. Removal, proper offsite disposal and replacement of all windows as indicated on plans

Owner: Erie County Community College  
Project: EC3 West Campus Window/Door Project  
Date: January 6, 2025

Bids Due January 20<sup>th</sup> at 2:00PM

- f. Removal/Reinstall automatic opener at opening 12-1
  - g. Contractor to ensure window installation includes proper flashing and caulking for a leak free install.
  - h. Openings receiving electric strikes shall be provided with conduit and pull string pathway to top of frame.
    - i. Power and wiring of electric strikes is by others
  - i. Provide alternate pricing as outlined below
    - i. All work associated with the removal and replacement at openings 10, 11, 15 & 16
    - ii. All work associated with the removal and replacement of storefront windows above and adjoining openings 12-1, 12-2 & 12-3.
2. Doors & Frames
- a. All glazing shall be 1" Low E insulated, U Value of .30 or better
  - b. All metal frames are to be galvanized, welded and filled with closed cell foam insulation prior to installation
    - i. Frames should be punched and dimpled at jamb and heads for secure installation
  - c. Contractor to patch adjoining surfaces impacted from demo and installation of new frames.
  - d. Frames & doors to receive prime and two finish coats of paint.
    - i. One prefinished pair of wood doors to match existing doors in the hallway
  - e. Contractor to ensure doors and frames installation includes insulation, proper flashing and caulking for a leak free install.
  - f. Openings receiving electric strikes shall be provided with conduit and pull string pathway to top of frame.
    - i. Power and wiring of electric strikes is by others

**Progress Schedule:**

Shop drawing processing in February, materials released first week of March with installation to begin the first week of May. Building will be in operation while work is occurring. Owner will coordinate with trade contractor to ensure elevations can be worked with access to all floors at the same time. Completion is intended by the end of August.

**Bid Date:**

Bids are due via email or hand delivery by 2:00 PM Monday January 20<sup>th</sup>, 2025. Physical address 2403 West 8<sup>th</sup> Street Erie, PA 16505 or email Frank Moore at [fmoore@ec3pa.org](mailto:fmoore@ec3pa.org).

**Questions:**

Contact Frank Moore with any questions pertaining to the project at [fmoore@ec3pa.org](mailto:fmoore@ec3pa.org).

EC3 Door Schedule

Date: January 5, 2025

Mark	Single/Pair	Label	Interior/Ext	Finish	Frame	Door	Glass	Finish	Hardware
1	Single		Exterior	Paint	Welded HM	Insulated HM	Narrow Lite	US26D, US32D	101, 301, 401, 701-705
2	Single		Exterior	Paint	Welded HM	Insulated HM	Narrow Lite	US26D, US32D	101, 301, 401, 701-705
3	Single		Exterior	Paint	Welded HM	Insulated HM	Narrow Lite	US26D, US32D	101, 301, 401, 701-705
4	Pair		Exterior	Paint	Welded HM	Insulated HM	Narrow Lite	US26D, US32D	101, 302, 401, 701-705
5	Pair		Exterior	Paint	Welded HM	Insulated HM	Half Lite	US26D, US32D	101, 302, 401, 701-705
6	Pair		Exterior	Paint	Welded HM	Insulated HM	Full Lite, Side Lite & Transom	US26D, US32D	101, 302, 401, 701-705
7	Pair		Exterior	Paint	Welded HM	Insulated HM	Narrow Lite	US26D, US32D	101, 302, 401, 701-705
8	Single		Exterior	Paint	Welded HM	Insulated HM	Narrow Lite	US26D, US32D	101, 301, 401, 701-705
9	Pair		Exterior	Paint	Welded HM	Insulated HM	Narrow Lite	US26D, US32D	101, 302, 401, 701-705
10	Pair		Exterior	Dark Bronze	AL	AL	Full Lite, Side Lite & Transom	Dark Bronze	101, 302, 401, 701-705, 803, 804
11	Pair		Interior	Dark Bronze	AL	AL	Full Lite, Side Lite & Transom	Dark Bronze	101, 302, 401, 701-705, 803
12-1	Single		Exterior	Dark Bronze	AL	AL	Full Lite, Side Lite	Dark Bronze	101, 301, 403, 701-705, 804
12-2	Pair		Exterior	Dark Bronze	AL	AL	Full Lite	Dark Bronze	101, 301, 401, 701-705, 803, 804
12-3	Single		Exterior	Dark Bronze	AL	AL	Full Lite, Side Lite	Dark Bronze	101, 301, 401, 701-705, 804
13	Demo Frame & Doors								
14	Pair	90 Minute	Interior		Existing	Prefinished WD	Full Lite (Clear Rated Glazing)	US26D, US32D	101, 302, 401, 701-705
15	Pair		Exterior	Dark Bronze	AL	AL	Full Lite, Side Lite & Transom	Dark Bronze	101, 302, 401, 701-705, 803, 804
16	Pair		Interior	Dark Bronze	AL	AL	Full Lite, Side Lite & Transom	Dark Bronze	101, 302, 401, 701-705, 803

EC3 Hardware Schedule

Date: January 5, 2025

All hardware shall be ANSI Grade 1

<b>Item</b>	<b>Description</b>
101	Roton Hinge
201	Lever & Removable Core Cylinder
301	Rim Panic Device (Lever & Removable Core Cylinder)
302	Vertical Rods Panic Device (Lever & Removable Core Cylinder)
401	Closure
402	Closure (Hold Open)
403	Reuse Existing Operator
701	Threshold
702	Weatherstrip
703	Sweep
704	Gasket
705	8" Kick plate
801	Flush Bolts
802	Dustproof Strike
803	Removable Mullion (Removable Core Cylinder)
804	Hess 9600 Electric Strike

# Proposal Form

**Project:** EC3 West Campus Window & Doors  
2403 West 8<sup>th</sup> Street  
Erie, PA 16505

**Owner:** Erie County Community College  
2403 West 8th Street  
Erie, PA 16505

Proposal of \_\_\_\_\_,

herein after called "Bidder". The Bidder, in compliance with the invitation for bids for the construction of the above project, having examined the Plans and Specifications with related documents, and the site of the proposed work, and being familiar with all conditions surrounding the construction of the proposed Project including the availability of materials and labor, hereby proposed to furnish all labor, materials, equipment, supplies, tax and supervision and to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the prices stated below. The prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this proposal is part.

Bidder hereby agrees to commence work under this Contract, immediately upon receipt of written "Notice to Proceed" and to fully complete the Project within the time allotments specified.

Receipt of the following Addenda is hereby acknowledged

No.	Date
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

# Proposal Form

**Base Bid:** For all work as indicated, the sum of

\_\_\_\_\_ (\$ \_\_\_\_\_ )

**Alternate 1:** Work at storefront windows above openings 12-1, 12-2 & 12-3

\_\_\_\_\_ (\$ \_\_\_\_\_ )  
Added to base bid

**Alternate 2:** Work at openings 10, 11, 15 & 16

\_\_\_\_\_ (\$ \_\_\_\_\_ )  
Added to base bid

**Respectfully Submitted By:**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Title**

\_\_\_\_\_  
**Email address**

\_\_\_\_\_  
**Company**

\_\_\_\_\_  
**Business Address**

\_\_\_\_\_  
**Phone** **Fax**

\_\_\_\_\_  
**Date of Submittal**

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**End of Proposal Form**

**BUREAU OF LABOR LAW COMPLIANCE  
PREVAILING WAGES PROJECT RATES**

Project Name:	EC3 Windows and Doors Replacement Project
General Description:	Replace all windows and Exterior Doors
Project Locality	Millcreek Township
Awarding Agency:	Erie County Community College
Contract Award Date:	1/31/2025
Serial Number:	25-00067
Project Classification:	Building
Determination Date:	1/3/2025
Assigned Field Office:	Pittsburgh
Field Office Phone Number:	(412)565-5300
Toll Free Phone Number:	(877)504-8354
Project County:	Erie County

**BUREAU OF LABOR LAW COMPLIANCE  
PREVAILING WAGES PROJECT RATES**

<b>Project: 25-00067 - Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Asbestos & Insulation Workers	8/1/2022		\$39.36	\$28.51	\$67.87
Asbestos & Insulation Workers	8/1/2024		\$41.36	\$29.51	\$70.87
Bricklayer	5/1/2022		\$31.24	\$23.16	\$54.40
Bricklayer	5/1/2024		\$34.49	\$23.81	\$58.30
Bricklayer	11/1/2024		\$35.14	\$24.06	\$59.20
Carpenters - Piledriver/Welder	1/1/2023		\$40.63	\$21.22	\$61.85
Carpenters - Piledriver/Welder	1/1/2024		\$42.13	\$21.97	\$64.10
Carpenters - Piledriver/Welder	1/1/2025		\$43.38	\$22.72	\$66.10
Carpenters - Piledriver/Welder	1/1/2026		\$44.63	\$23.47	\$68.10
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	5/1/2023		\$34.37	\$17.89	\$52.26
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	5/1/2024		\$35.92	\$17.89	\$53.81
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	5/1/2025		\$37.47	\$17.89	\$55.36
Carpenters, Soft Floor Layers	5/1/2021		\$31.72	\$17.29	\$49.01
Cement Masons	5/1/2022		\$31.89	\$17.61	\$49.50
Drywall Finisher	5/1/2023		\$25.51	\$24.03	\$49.54
Drywall Hanger	5/1/2018		\$30.51	\$16.05	\$46.56
Electricians & Telecommunications Installation Technician	6/1/2022		\$34.25	\$27.73	\$61.98
Electricians & Telecommunications Installation Technician	6/1/2023		\$35.50	\$28.73	\$64.23
Electricians & Telecommunications Installation Technician	7/12/2024		\$37.35	\$29.50	\$66.85
Elevator Constructor	1/1/2023		\$56.14	\$42.83	\$98.97
Elevator Constructor	1/1/2024		\$58.55	\$43.87	\$102.42
Glazier	6/1/2023		\$21.00	\$22.35	\$43.35
Iron Workers	6/1/2023		\$33.57	\$32.68	\$66.25
Iron Workers	6/1/2024		\$34.31	\$34.12	\$68.43
Laborers (Class 01 - See notes)	5/1/2023		\$24.84	\$20.02	\$44.86
Laborers (Class 01 - See notes)	5/1/2024		\$26.09	\$20.27	\$46.36
Laborers (Class 01 - See notes)	5/1/2025		\$27.34	\$20.52	\$47.86
Laborers (Class 01 - See notes)	5/1/2026		\$28.59	\$20.77	\$49.36
Laborers (Class 01 - See notes)	5/1/2027		\$30.09	\$21.02	\$51.11
Laborers (Class 02 - See notes)	5/1/2019		\$21.94	\$18.92	\$40.86
Laborers (Class 03 - See notes)	5/1/2023		\$25.49	\$20.02	\$45.51
Laborers (Class 03 - See notes)	5/1/2024		\$26.74	\$20.27	\$47.01
Laborers (Class 03 - See notes)	5/1/2025		\$27.99	\$20.52	\$48.51
Laborers (Class 03 - See notes)	5/1/2026		\$29.24	\$20.77	\$50.01
Laborers (Class 03 - See notes)	5/1/2027		\$30.74	\$21.02	\$51.76
Landscape Laborer (Skilled)	1/1/2023		\$23.79	\$18.28	\$42.07
Landscape Laborer (Skilled)	1/1/2024		\$24.79	\$18.53	\$43.32
Landscape Laborer (Skilled)	1/1/2025		\$25.79	\$18.78	\$44.57
Landscape Laborer (Skilled)	1/1/2026		\$26.79	\$19.03	\$45.82
Landscape Laborer (Tractor Operator)	1/1/2023		\$24.09	\$18.28	\$42.37



**BUREAU OF LABOR LAW COMPLIANCE  
PREVAILING WAGES PROJECT RATES**

<b>Project: 25-00067 - Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Landscape Laborer (Tractor Operator)	1/1/2024		\$25.09	\$18.53	\$43.62
Landscape Laborer (Tractor Operator)	1/1/2025		\$26.09	\$18.78	\$44.87
Landscape Laborer (Tractor Operator)	1/1/2026		\$27.09	\$19.03	\$46.12
Landscape Laborer	1/1/2023		\$23.37	\$18.28	\$41.65
Landscape Laborer	1/1/2024		\$24.37	\$18.53	\$42.90
Landscape Laborer	1/1/2025		\$25.37	\$18.78	\$44.15
Landscape Laborer	1/1/2026		\$26.37	\$19.03	\$45.40
Millwright	6/1/2020		\$41.68	\$20.32	\$62.00
Operators (Class 01 - see notes)	5/1/2022		\$32.10	\$19.79	\$51.89
Operators (Class 01 - see notes)	5/1/2023		\$32.75	\$20.69	\$53.44
Operators (Class 02 -see notes)	5/1/2022		\$31.43	\$19.79	\$51.22
Operators (Class 02 -see notes)	5/1/2023		\$32.08	\$20.69	\$52.77
Operators (Class 03 - See notes)	5/1/2022		\$27.25	\$19.79	\$47.04
Operators (Class 03 - See notes)	5/1/2023		\$27.90	\$20.69	\$48.59
Operators (Class 04 - Chief of Party (Surveying and Layout))	5/1/2023		\$28.92	\$20.69	\$49.61
Operators (Class 04 - Rodman/Chainman (Surveying and Layout))	5/1/2023		\$27.90	\$20.69	\$48.59
Operators (Class 04 - Surveying Instrument Man)	5/1/2023		\$28.19	\$20.69	\$48.88
Painters (Bridges, Stacks, Towers)	5/1/2020		\$25.87	\$19.95	\$45.82
Painters (Brush and Roller)(Commercial)	5/1/2023		\$25.26	\$24.03	\$49.29
Painters (Brush and Roller)(Commercial)	5/1/2024		\$26.37	\$25.42	\$51.79
Painters (Brush and Roller)(Industrial)	5/1/2022		\$24.79	\$22.75	\$47.54
Painters (Spray and Sandblasting)(Commercial)	5/1/2023		\$26.01	\$24.03	\$50.04
Painters (Spray and Sandblasting)(Commercial)	5/1/2024		\$27.12	\$25.42	\$52.54
Painters (Spray and Sandblasting)(Industrial)	5/1/2022		\$25.54	\$22.75	\$48.29
Painters Class 6 (see notes)	5/1/2020		\$23.62	\$19.95	\$43.57
Pile Driver Divers (Building, Heavy, Highway)	1/1/2023		\$58.70	\$21.22	\$79.92
Pile Driver Divers (Building, Heavy, Highway)	1/1/2024		\$60.95	\$21.97	\$82.92
Pile Driver Divers (Building, Heavy, Highway)	1/1/2025		\$62.82	\$22.72	\$85.54
Pile Driver Divers (Building, Heavy, Highway)	1/1/2026		\$64.70	\$23.47	\$88.17
Piledrivers	1/1/2023		\$39.13	\$21.22	\$60.35
Piledrivers	1/1/2024		\$40.63	\$21.97	\$62.60
Piledrivers	1/1/2025		\$41.88	\$22.72	\$64.60
Piledrivers	1/1/2026		\$43.13	\$23.47	\$66.60
Plasterers	6/1/2023		\$32.14	\$20.54	\$52.68
Plasterers	6/1/2024		\$33.14	\$21.04	\$54.18
plumber	6/1/2023		\$46.98	\$25.87	\$72.85
plumber	6/1/2024		\$50.08	\$25.87	\$75.95
plumber	6/1/2025		\$53.28	\$25.87	\$79.15
plumber	6/1/2026		\$56.38	\$25.87	\$82.25
plumber	6/1/2027		\$59.48	\$25.87	\$85.35
Pointers, Caulkers, Cleaners	6/1/2024		\$38.59	\$21.36	\$59.95
Pointers, Caulkers, Cleaners	12/1/2024		\$39.69	\$21.61	\$61.30
Roofers	5/1/2023		\$33.00	\$17.66	\$50.66

**BUREAU OF LABOR LAW COMPLIANCE  
PREVAILING WAGES PROJECT RATES**

<b>Project: 25-00067 - Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Roofers	5/1/2024		\$35.03	\$17.18	\$52.21
Sheet Metal Workers	7/1/2022		\$39.50	\$31.43	\$70.93
Sheet Metal Workers	8/1/2023		\$41.00	\$32.94	\$73.94
Sheet Metal Workers	7/1/2024		\$43.00	\$33.96	\$76.96
Sign Makers and Hangars	7/15/2022		\$30.54	\$24.35	\$54.89
Sign Makers and Hangars	7/15/2023		\$31.76	\$24.63	\$56.39
Sign Makers and Hangars	7/15/2024		\$32.32	\$25.82	\$58.14
Sprinklerfitters	4/1/2023		\$44.33	\$28.04	\$72.37
Sprinklerfitters	4/1/2024		\$46.45	\$28.62	\$75.07
Steamfitters	6/1/2023		\$44.10	\$28.37	\$72.47
Steamfitters	6/1/2024		\$48.15	\$29.57	\$77.72
Stone Masons	12/1/2022		\$38.56	\$23.61	\$62.17
Terrazzo Finisher	6/1/2023		\$39.79	\$18.47	\$58.26
Terrazzo Finisher	12/1/2024		\$41.04	\$18.72	\$59.76
Terrazzo Mechanics	12/1/2022		\$35.49	\$20.32	\$55.81
Terrazzo Mechanics	6/1/2024		\$39.14	\$20.77	\$59.91
Terrazzo Mechanics	12/1/2024		\$40.39	\$21.02	\$61.41
Tile Finisher	12/1/2022		\$28.76	\$17.34	\$46.10
Tile Finisher	6/1/2024		\$31.56	\$17.74	\$49.30
Tile Finisher	12/1/2024		\$32.51	\$17.99	\$50.50
Tile Setter	12/1/2022		\$35.64	\$21.81	\$57.45
Tile Setter	6/1/2024		\$38.46	\$22.19	\$60.65
Tile Setter	12/1/2024		\$39.41	\$22.44	\$61.85
Truckdriver class 1(see notes)	1/1/2023		\$33.18	\$22.21	\$55.39
Truckdriver class 1(see notes)	1/1/2024		\$34.93	\$22.71	\$57.64
Truckdriver class 1(see notes)	1/1/2025		\$36.43	\$23.21	\$59.64
Truckdriver class 1(see notes)	1/1/2026		\$37.93	\$23.71	\$61.64
Truckdriver class 2 (see notes)	1/1/2023		\$33.64	\$22.52	\$56.16
Truckdriver class 2 (see notes)	1/1/2024		\$35.39	\$23.02	\$58.41
Truckdriver class 2 (see notes)	1/1/2025		\$36.89	\$23.52	\$60.41
Truckdriver class 2 (see notes)	1/1/2026		\$38.39	\$24.02	\$62.41
Wallcoverer	5/1/2022		\$24.54	\$22.75	\$47.29
Window Film / Tint Installer	10/1/2019		\$25.00	\$2.63	\$27.63

**BUREAU OF LABOR LAW COMPLIANCE  
PREVAILING WAGES PROJECT RATES**

<b>Project: 25-00067 - Heavy/Highway</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Carpenter	1/1/2023		\$38.60	\$20.59	\$59.19
Carpenter	1/1/2024		\$40.10	\$21.34	\$61.44
Carpenter	1/1/2025		\$41.35	\$22.09	\$63.44
Carpenter	1/1/2026		\$42.60	\$22.84	\$65.44
Carpenter Welder	1/1/2023		\$40.10	\$20.59	\$60.69
Carpenter Welder	1/1/2024		\$41.60	\$21.34	\$62.94
Carpenter Welder	1/1/2025		\$42.85	\$22.09	\$64.94
Carpenter Welder	1/1/2026		\$44.10	\$22.84	\$66.94
Carpenters - Piledriver/Welder	1/1/2023		\$40.63	\$21.22	\$61.85
Carpenters - Piledriver/Welder	1/1/2024		\$42.13	\$21.97	\$64.10
Carpenters - Piledriver/Welder	1/1/2025		\$43.38	\$22.72	\$66.10
Carpenters - Piledriver/Welder	1/1/2026		\$44.63	\$23.47	\$68.10
Cement Finishers	1/1/2023		\$34.14	\$25.05	\$59.19
Cement Finishers	1/1/2024		\$35.14	\$26.30	\$61.44
Cement Finishers	1/1/2025		\$35.94	\$27.50	\$63.44
Cement Masons	1/1/2020		\$32.84	\$21.10	\$53.94
Electric Lineman	8/29/2022		\$62.66	\$28.08	\$90.74
Electric Lineman	9/4/2023		\$64.68	\$29.01	\$93.69
Electric Lineman	1/1/2024		\$64.46	\$29.23	\$93.69
Electric Lineman	9/2/2024		\$66.56	\$30.17	\$96.73
Electric Lineman	1/1/2025		\$66.33	\$30.40	\$96.73
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	6/1/2023		\$33.57	\$32.68	\$66.25
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	6/1/2024		\$34.31	\$34.12	\$68.43
Laborers (Class 01 - See notes)	1/1/2023		\$29.95	\$25.50	\$55.45
Laborers (Class 01 - See notes)	1/1/2024		\$32.20	\$25.50	\$57.70
Laborers (Class 01 - See notes)	1/1/2025		\$33.70	\$26.00	\$59.70
Laborers (Class 01 - See notes)	1/1/2026		\$34.70	\$27.00	\$61.70
Laborers (Class 02 - See notes)	1/1/2023		\$30.11	\$25.50	\$55.61
Laborers (Class 02 - See notes)	1/1/2024		\$32.36	\$25.50	\$57.86
Laborers (Class 02 - See notes)	1/1/2025		\$33.86	\$26.00	\$59.86
Laborers (Class 02 - See notes)	1/1/2026		\$34.86	\$27.00	\$61.86
Laborers (Class 03 - See notes)	1/1/2023		\$30.50	\$25.50	\$56.00
Laborers (Class 03 - See notes)	1/1/2024		\$32.75	\$25.50	\$58.25
Laborers (Class 03 - See notes)	1/1/2025		\$34.25	\$26.00	\$60.25
Laborers (Class 03 - See notes)	1/1/2026		\$35.25	\$27.00	\$62.25
Laborers (Class 04 - See notes)	1/1/2023		\$30.95	\$25.50	\$56.45
Laborers (Class 04 - See notes)	1/1/2024		\$33.20	\$25.50	\$58.70
Laborers (Class 04 - See notes)	1/1/2025		\$34.70	\$26.00	\$60.70
Laborers (Class 04 - See notes)	1/1/2026		\$35.70	\$27.00	\$62.70
Laborers (Class 05 - See notes)	1/1/2023		\$31.36	\$25.50	\$56.86
Laborers (Class 05 - See notes)	1/1/2024		\$33.61	\$25.50	\$59.11
Laborers (Class 05 - See notes)	1/1/2025		\$35.11	\$26.00	\$61.11
Laborers (Class 05 - See notes)	1/1/2026		\$36.11	\$27.00	\$63.11

**BUREAU OF LABOR LAW COMPLIANCE  
PREVAILING WAGES PROJECT RATES**

<b>Project: 25-00067 - Heavy/Highway</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Laborers (Class 06 - See notes)	1/1/2023		\$28.20	\$25.50	\$53.70
Laborers (Class 06 - See notes)	1/1/2024		\$30.45	\$25.50	\$55.95
Laborers (Class 06 - See notes)	1/1/2025		\$31.95	\$26.00	\$57.95
Laborers (Class 06 - See notes)	1/1/2026		\$32.95	\$27.00	\$59.95
Laborers (Class 07 - See notes)	1/1/2023		\$30.95	\$25.50	\$56.45
Laborers (Class 07 - See notes)	1/1/2024		\$33.20	\$25.50	\$58.70
Laborers (Class 07 - See notes)	1/1/2025		\$34.70	\$26.00	\$60.70
Laborers (Class 07 - See notes)	1/1/2026		\$35.70	\$27.00	\$62.70
Laborers (Class 08 - See notes)	1/1/2023		\$32.45	\$25.50	\$57.95
Laborers (Class 08 - See notes)	1/1/2024		\$34.70	\$25.50	\$60.20
Laborers (Class 08 - See notes)	1/1/2025		\$36.20	\$26.00	\$62.20
Laborers (Class 08 - See notes)	1/1/2026		\$37.20	\$27.00	\$64.20
Millwright	6/1/2023		\$45.50	\$23.72	\$69.22
Millwright	6/1/2024		\$47.59	\$23.72	\$71.31
Millwright	6/1/2025		\$49.72	\$23.72	\$73.44
Operators (Class 01 - see notes)	1/1/2023		\$36.79	\$23.58	\$60.37
Operators (Class 01 - see notes)	1/1/2024		\$38.59	\$24.03	\$62.62
Operators (Class 01 - see notes)	1/1/2025		\$40.39	\$24.23	\$64.62
Operators (Class 01 - see notes)	1/1/2026		\$41.96	\$24.66	\$66.62
Operators (Class 02 -see notes)	1/1/2023		\$36.53	\$23.58	\$60.11
Operators (Class 02 -see notes)	1/1/2024		\$38.33	\$24.03	\$62.36
Operators (Class 02 -see notes)	1/1/2025		\$40.13	\$24.23	\$64.36
Operators (Class 02 -see notes)	1/1/2026		\$41.70	\$24.66	\$66.36
Operators (Class 03 - See notes)	1/1/2023		\$32.88	\$23.58	\$56.46
Operators (Class 03 - See notes)	1/1/2024		\$34.68	\$24.03	\$58.71
Operators (Class 03 - See notes)	1/1/2025		\$36.48	\$24.23	\$60.71
Operators (Class 03 - See notes)	1/1/2026		\$38.05	\$24.66	\$62.71
Operators (Class 04 - See notes)	1/1/2023		\$32.42	\$23.58	\$56.00
Operators (Class 04 - See notes)	1/1/2024		\$34.22	\$24.03	\$58.25
Operators (Class 04 - See notes)	1/1/2025		\$36.02	\$24.23	\$60.25
Operators (Class 04 - See notes)	1/1/2026		\$37.59	\$24.66	\$62.25
Operators (Class 05 - See notes)	1/1/2023		\$32.17	\$23.58	\$55.75
Operators (Class 05 - See notes)	1/1/2024		\$33.97	\$24.03	\$58.00
Operators (Class 05 - See notes)	1/1/2025		\$35.77	\$24.23	\$60.00
Operators (Class 05 - See notes)	1/1/2026		\$37.34	\$24.66	\$62.00
Operators Class 1-A	1/1/2023		\$39.79	\$23.58	\$63.37
Operators Class 1-A	1/1/2024		\$41.59	\$24.03	\$65.62
Operators Class 1-A	1/1/2025		\$43.39	\$24.23	\$67.62
Operators Class 1-A	1/1/2026		\$44.96	\$24.66	\$69.62
Operators Class 1-B	1/1/2023		\$38.79	\$23.58	\$62.37
Operators Class 1-B	1/1/2024		\$40.59	\$24.03	\$64.62
Operators Class 1-B	1/1/2025		\$42.39	\$24.23	\$66.62
Operators Class 1-B	1/1/2026		\$43.96	\$24.66	\$68.62
Painters (Bridges, Stacks, Towers)	5/1/2022		\$26.79	\$22.75	\$49.54

**BUREAU OF LABOR LAW COMPLIANCE  
PREVAILING WAGES PROJECT RATES**

<b>Project: 25-00067 - Heavy/Highway</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Painters (Bridges, Stacks, Towers)	5/1/2023		\$27.76	\$24.03	\$51.79
Painters (Brush and Roller)(Industrial)	5/1/2022		\$24.79	\$22.75	\$47.54
Painters (Brush and Roller)(Industrial)	5/1/2023		\$25.76	\$24.03	\$49.79
Painters (Spray and Sandblasting)(Industrial)	5/1/2022		\$25.54	\$22.75	\$48.29
Painters (Spray and Sandblasting)(Industrial)	5/1/2023		\$26.51	\$24.03	\$50.54
Pile Driver Divers (Building, Heavy, Highway)	1/1/2023		\$58.70	\$21.22	\$79.92
Pile Driver Divers (Building, Heavy, Highway)	1/1/2024		\$60.95	\$21.97	\$82.92
Pile Driver Divers (Building, Heavy, Highway)	1/1/2025		\$62.82	\$22.72	\$85.54
Pile Driver Divers (Building, Heavy, Highway)	1/1/2026		\$64.70	\$23.47	\$88.17
Piledrivers	1/1/2023		\$39.13	\$21.22	\$60.35
Piledrivers	1/1/2024		\$40.63	\$21.97	\$62.60
Piledrivers	1/1/2025		\$41.88	\$22.72	\$64.60
Piledrivers	1/1/2026		\$43.13	\$23.47	\$66.60
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2022		\$48.43	\$40.28	\$88.71
Truckdriver class 1(see notes)	1/1/2023		\$33.18	\$22.21	\$55.39
Truckdriver class 1(see notes)	1/1/2024		\$34.93	\$22.71	\$57.64
Truckdriver class 1(see notes)	1/1/2025		\$36.43	\$23.21	\$59.64
Truckdriver class 1(see notes)	1/1/2026		\$37.93	\$23.71	\$61.64
Truckdriver class 2 (see notes)	1/1/2023		\$33.64	\$22.52	\$56.16
Truckdriver class 2 (see notes)	1/1/2024		\$35.39	\$23.02	\$58.41
Truckdriver class 2 (see notes)	1/1/2025		\$36.89	\$23.52	\$60.41
Truckdriver class 2 (see notes)	1/1/2026		\$38.39	\$24.02	\$62.41





# H650

HISTORICAL ALUMINUM SERIES

Single Hung | Fixed | Fixed Simulated Hung



Product Material  
**Aluminum**



Frame Depth  
**4 1/8"**



Rating  
Single Hung: **AW60**  
Fixed: **AW90**



Temple Detroit Hotel  
(formerly Standard Insurance Bldg.)  
Detroit, MI  
Developers: Temple Group Holdings  
Architect: McIntosh Poris Associates  
Contractor: Rockford Const. Co.  
Dealer: Blackberry Systems

<p>Design Pressure <b>Single Hung: 60</b> <b>Fixed: 90</b></p>	<p>U-Value* <b>Single Hung: as low as .30#</b> <b>Fixed:</b></p>
<p>Air Infiltration <b>Single Hung: &lt;0.10</b> <b>Fixed: &lt;0.10</b></p>	<p>SHGC* <b>Single Hung:</b> <b>Fixed:</b></p>
<p>Water Resistance <b>Single Hung: 12</b> <b>Fixed: 12</b></p>	<p>CR* <b>Single Hung:</b> <b>Fixed:</b></p>
<p>OITC<sup>x</sup> <b>Single Hung: 24-26</b> <b>Fixed:</b></p>	<p>STC<sup>x</sup> <b>Single Hung: 31-32</b> <b>Fixed:</b></p>
<p>*-Ranges based on multiple Low-E/Argon I.G. combinations x-Ranges based on multiple I.G. combinations</p>	

## FEATURES:

- ▶ Historically-correct bevel exterior frame
- ▶ Architectural grade aluminum frame
- ▶ Thermally-broken frame and sash with pour-and-debridge technology
- ▶ No fin main frame for retro-fit purposes
- ▶ Alternative model with Nail fin (H655 Series)
- ▶ 1" insulating glass
- ▶ Heavy-duty Class 5 balancers
- ▶ Auto lock sill
- ▶ Standard High-Performance 2604 Powder Paint Finish (an FGIA Specification)
- ▶ Optional Upgrade to 2605 Powder Paint Finish (an FGIA Specification)
- ▶ 30+ "Quick-Pick" colors, with unlimited custom colors available

#Thermal test numbers shown are projected. Official testing in progress as of October, 2023

[www.QuakerCommercialWindows.com](http://www.QuakerCommercialWindows.com)

Information listed is deemed accurate as of date shown. Quaker Windows reserves the right to change or discontinue any product, feature or option without notice.

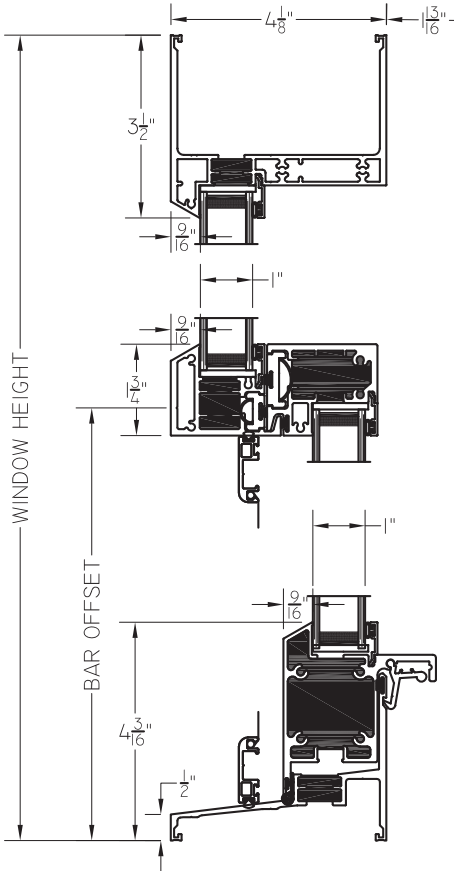
June 2024 V9



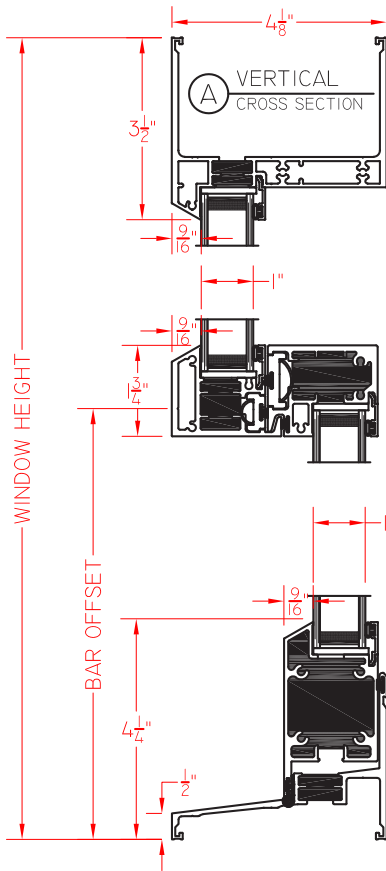
# H650

HISTORICAL ALUMINUM SERIES

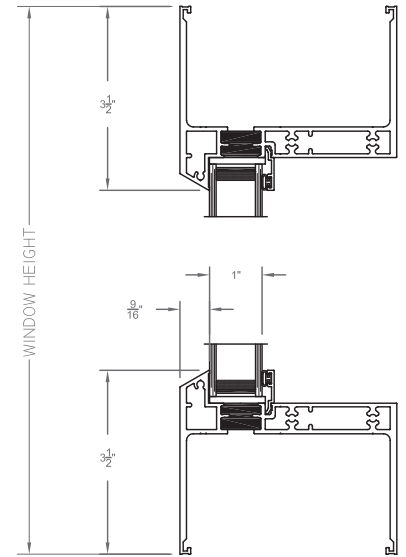
Single Hung (AW60)



Fixed Offset Hung



Fixed

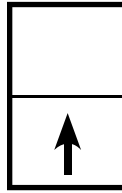


All ratings listed are NAFS certified.

The Lofts at Centennial Yards  
 (formerly Southern Railways Building)  
 Atlanta, GA  
 Developers: CIM Group  
 Architect: Surber Barber Choate + Hertlein  
 Contractor: Whiting Turner Contracting  
 Dealer: LJW Sales



QuakerCommercialWindows.com  
 1-800-347-0438  
 Commercial@quakerwindows.com



# H650/H655 Series 4 1/8" Frame Depth Single Hung

## H650/H655 SERIES SINGLE HUNG

### FEATURES

- ◇ Commercial Framing System
  - 4 1/8" main frame
  - 0.062" wall thickness of interior and exterior walls
  - Nail flange main frame (H655) or no nail flange (H650)
- ◇ Thermally Enhanced Design
  - Azon pour and debridge thermal break in main frame.
  - AzoCore expandable polyurethane barriers in sash rail extrusions
- ◇ Glazing
  - 1" insulated glass
- ◇ Hardware
  - Gravity Latch
  - Heavy duty Class 5 Balancers
- ◇ Screen
  - Extruded aluminum screen frame

### BENEFITS

- ◇ The capacity to match exterior colors for unique project facades
- ◇ The ability to facilitate large sizes for taller and wider window openings
- ◇ Historically accurate panning and trim styles to help your project meet Historic Preservation codes

### PERFORMANCE

- ◇ Structural & Thermal (test reports and thermal simulations available upon request)

Model	Single Hung
Test Size	60" x 99"
NAFS Rating (standard)	AW-PG60-H
NAFS Rating (Heavy Duty Meeting Rail)	AW-PG75-H
Air at 6.2 PSF Differential	<0.10
Water (No Penetration) P.S.F.	12.00
U-Value (ranges based on multiple Low-E/Argon combinations)	as low as 0.30
SHGC (ranges based on multiple Low-E/Argon combinations)	

Operating Force: 25.3 lbf (maintain motion), 14 lbf (latches)

### OPTIONS

- ◇ Available Configurations
  - Single Hung
  - Oriel Single Hung
  - Simulated Single Hung/Fixed
  - Arch Head Single Hung
- ◇ Muntin Choices
  - Internal or simulated divided lites available
- ◇ Limited travel hardware
- ◇ Screen
  - Extruded aluminum half screen frame with aluminum wire mesh
  - Extruded aluminum screen frame with sunscreen mesh
  - Extruded aluminum screen frame with stainless steel 0.009" thickness mesh
  - Security screen
- ◇ Glazing
  - Multiple Low-E and argon glazing choices
  - Capillary tubes
  - Wide variety of glazing, tinting and thickness options
- ◇ Panning & Trim Choices
  - Wide variety of panning, receptor and trim available
- ◇ Mulling
  - Wide variety of structural mulls
- ◇ Specialty
  - Extension jambs
  - Ogee lugs
  - WOCD hardware

Our products are tested to the standards of and certified by some of the foremost organizations in the fenestration industry.





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



# Design + Performance

## Versatility with Unmatched Fabrication Flexibility



Geisinger Professional Building  
Jenkins Township, Pennsylvania  
ARCHITECT  
Mericle Commercial Real Estate Services  
Wilkes-Barre, Pennsylvania  
GLAZING CONTRACTOR  
Sterling Glass, Inc., Scranton, Pennsylvania  
PHOTOGRAPHER  
© Perzel Photography Group

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.

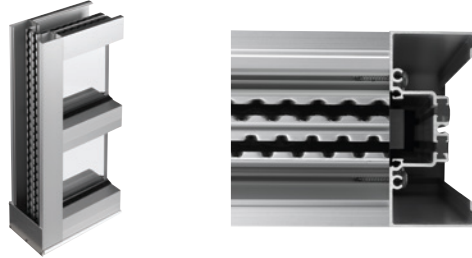
All systems can be flush glazed from either the inside or outside. The weatherseal option provides an alternative to SSG vertical mullions for Trifab® VersaGlaze® 450/451/451T. This ABS/ASA rigid polymer extrusion allows complete inside glazing and creates a flush glass appearance on the building exterior 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

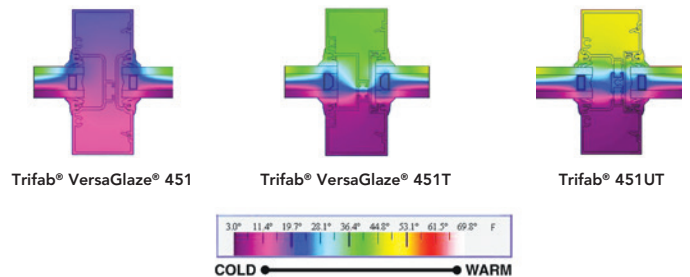
Kawneer's IsoLock® thermal break technology creates a composite section, prevents dry shrinkage and is available on Trifab® VersaGlaze® 451T. For even greater thermal performance, a dual IsoLock® thermal break is used on Trifab® 451UT.



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

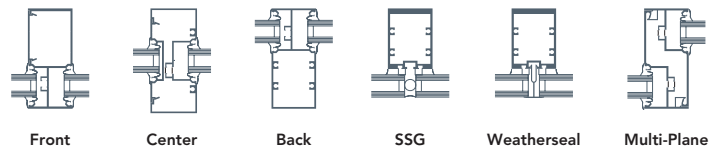
U-factor, CRF values and STC ratings for Trifab® framing systems vary depending upon the glass plane application. Project-specific U-factors can be determined for each individual project. (See the Kawneer Architectural Manual or Kawneer.com for additional information.)

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





190, 350 AND 500 STANDARD ENTRANCES



# Single-Source Packages Generate Versatile First Impressions



Curtis Culwell Center  
Garland, Texas  
ARCHITECT  
HKS, Inc., Dallas, Texas  
GLAZING CONTRACTOR  
B & B Glass, Inc., Dallas, Texas  
PHOTOGRAPHER  
© Blake Marvin – HKS

Tough yet attractive, Kawneer's Standard Entrances are designed as a single-source package of door, door frame and hardware that is easily adaptable to custom requirements. Designed to complement new or remodel construction as well as modern or traditional architecture, they are engineered, constructed and tested to make a good first impression while withstanding the rigors of constant use by occupants and visitors.

## PERFORMANCE

To resist both lever arm and torsion forces that constantly act on any door, all three entrances feature welded corner construction with Sigma deep penetration and fillet welds plus mechanical fastenings at each corner – a total of 16 welds per door. Each door corner comes with a limited lifetime warranty, good for the life of the door under normal use. It is transferable from building owner to owner and is in addition to the standard two-year warranty covering material and workmanship of each Kawneer door.



1. Thermoplastic elastomer weatherstrip in blade stop of frame jams, header or transom bar.
2. Integral polymeric fin attached to adjustable astragal, creating an air barrier between pairs of doors.
3. Optional surface-applied bottom weatherstrip with flexible blade gasket. Extruded raised lip on threshold to provide continuous contact for bottom weatherstrip.
4. Standard 1/4" beveled glass stops to sheet water and dirt off without leaving residue.
5. Available in all finishes offered by Kawneer.

#### GENERAL

- Heights vary up to 10'; widths range from approximately 3' to 4'
- Door frame face widths range to a maximum of 4", while depths range to 6"
- Door operation is single- or double-acting with maximum security locks or touch bar panics standard
- Architect's classic 1" round, bent bar push/pull hardware is available in various finishes and sizes
- Infills range from 1/4" to 1"

#### FOR THE FINISHING TOUCH

Architectural Class I anodized aluminum finishes are available in clear and Permanodic® color choices.

Painted finishes, including fluoropolymer, that meet AAMA 2605 are offered in many standard choices and an unlimited number of specially designed colors.

Solvent-free powder coatings add the "green" element with high performance, durability and scratch resistance that meet the standards of AAMA 2604.

#### ECONOMY

Kawneer's bulb neoprene weatherstripping forms a positive seal around the door frame and provides a substantial reduction in air infiltration, resulting in improved comfort and economies in heating and cooling costs. The system is wear- and temperature-resistant and replaces conventional weatherproofing. The bottom weatherstrip at the interior contains a flexible blade gasket to meet and contact the threshold, enhancing the air and water infiltration performance characteristics.

#### 190 NARROW STILE ENTRANCE

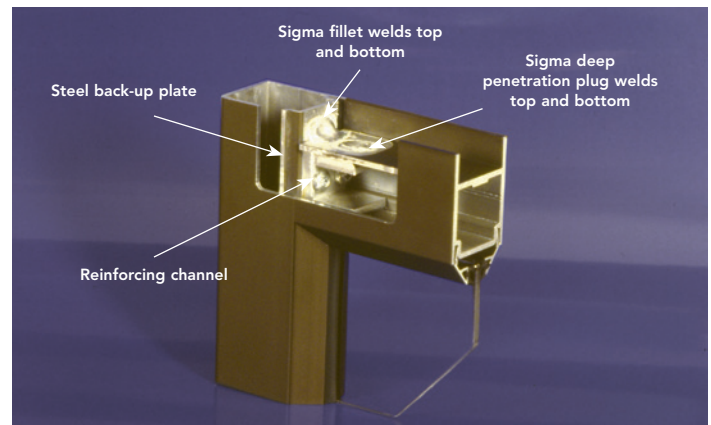
- Is engineered for moderate traffic in applications such as stores, offices and apartment buildings
- Vertical stile measures 2-1/8", top rail 2-1/4" and bottom rail 3-7/8"
- Results in a slim look that meets virtually all construction requirements

#### 350 MEDIUM STILE ENTRANCE

- Provides extra strength for applications such as schools, institutions and other high-traffic applications
- Vertical stiles and top rails measure 3-1/2"
- Bottom rail measures 6-1/2" for extra durability

#### 500 WIDE STILE ENTRANCE

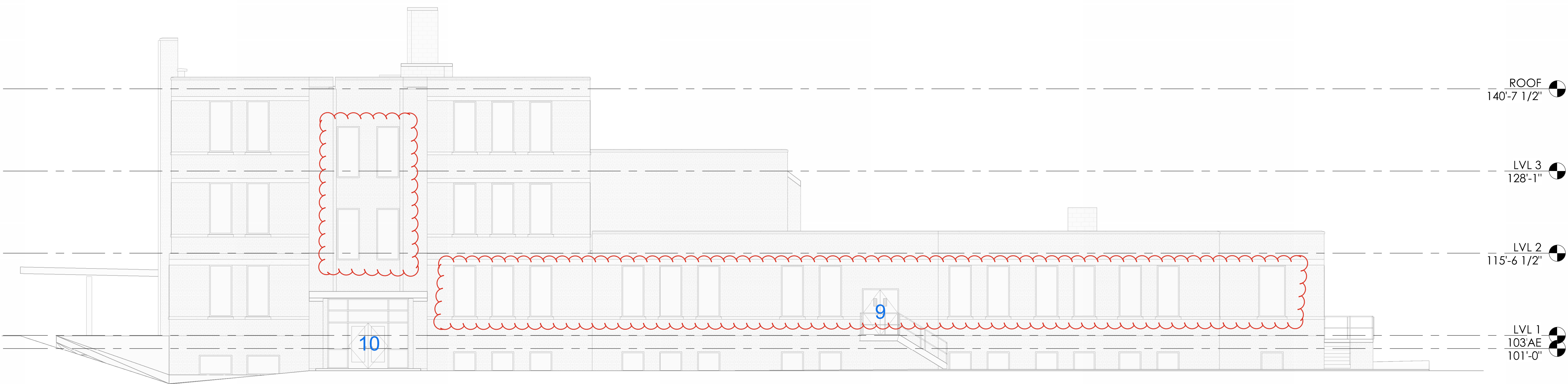
- Creates a monumental visual statement for applications such as banks, libraries and public buildings
- Vertical stiles and top rail measures 5"; bottom rail measures 6-1/2"
- Results in superior strength for buildings experiencing heavy traffic conditions



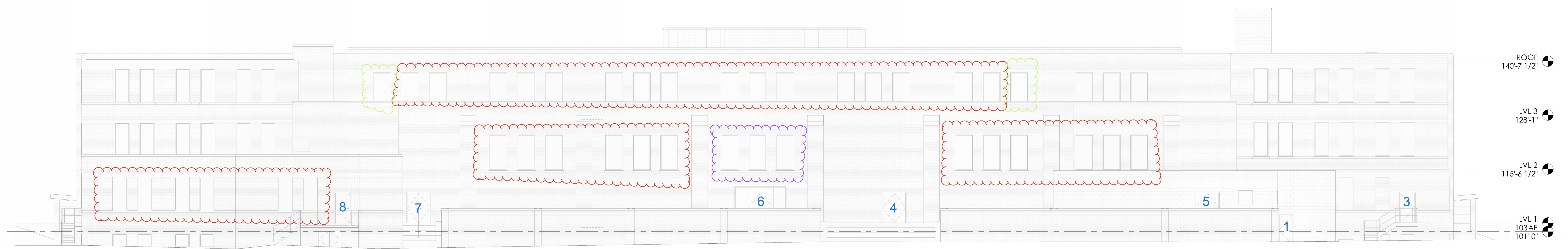




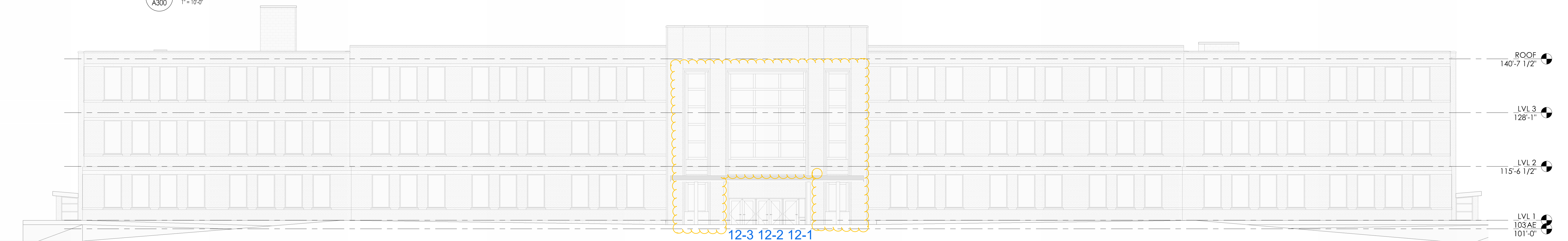
2 ELEVATION - EAST (FOR REFERENCE ONLY)  
A300 1"=10'-0"



4 ELEVATION - WEST (FOR REFERENCE ONLY)  
A300 1"=10'-0"

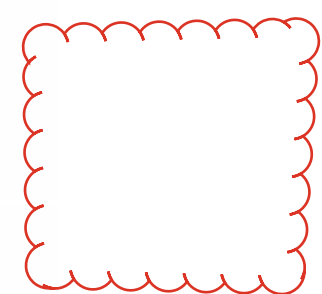

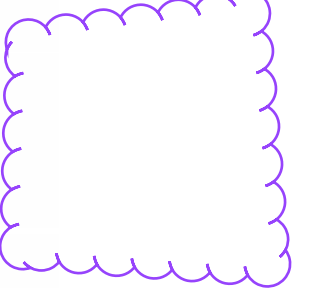



3 ELEVATION - SOUTH (FOR REFERENCE ONLY)  
A300 1"=10'-0"

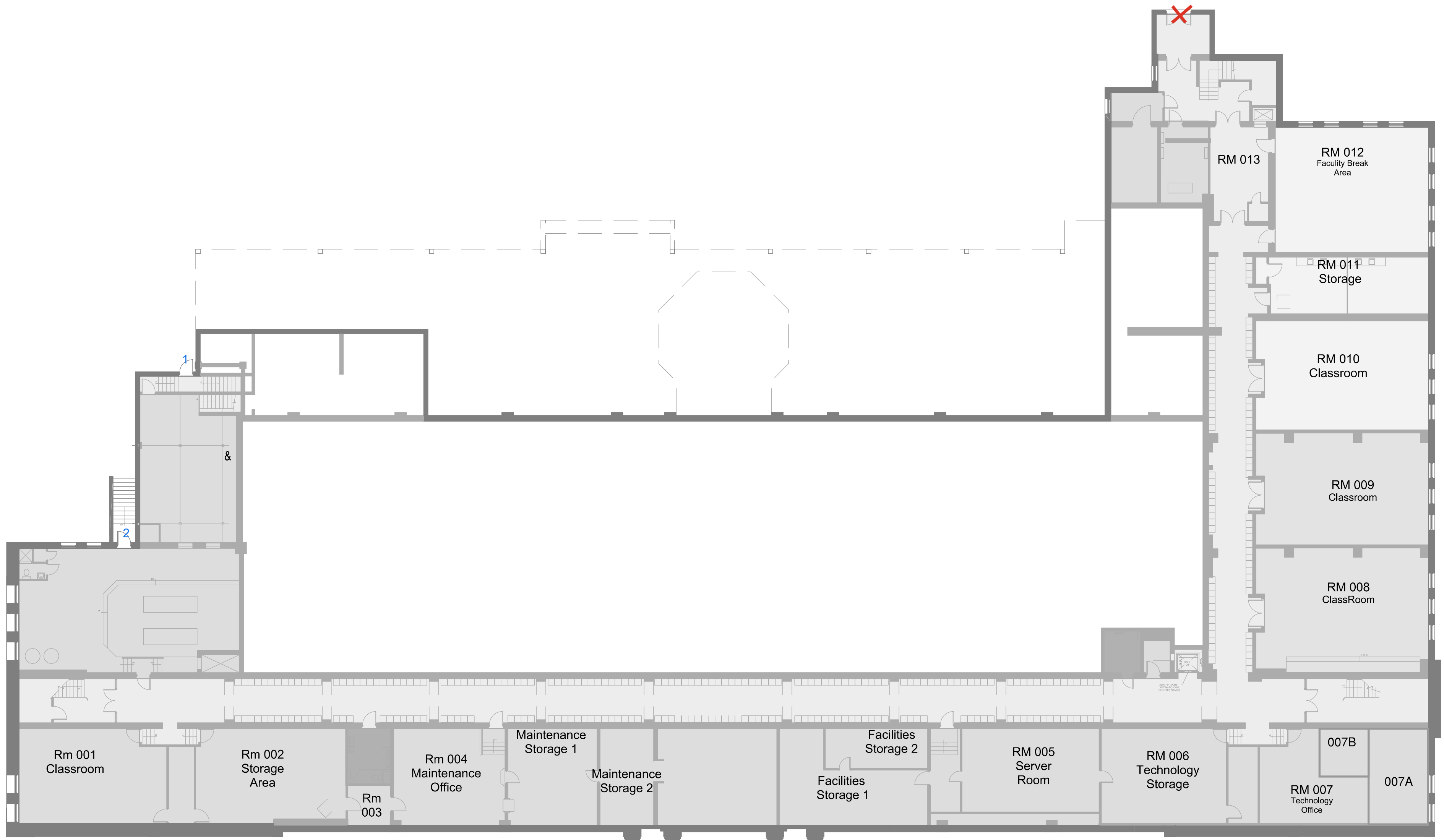


1 ELEVATION - NORTH  
A300 1"=10'-0"

Windows not highlighted operable single hung

-  Non operable, sashes to match single hungs
-  Fully removable sashes for roof access
-  Openings currently infilled, no windows
-  Alternate 1: Aluminum storefront windows

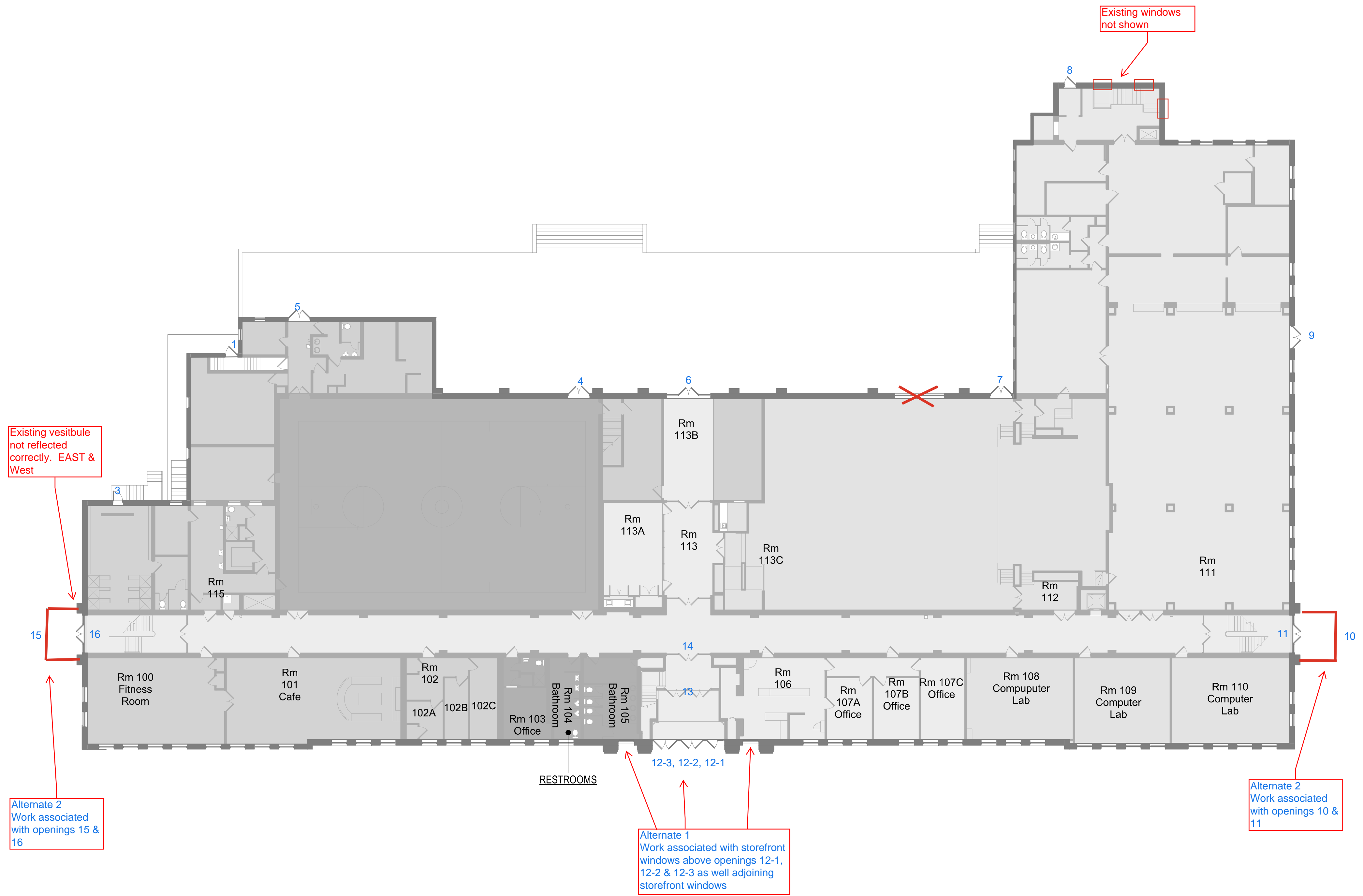




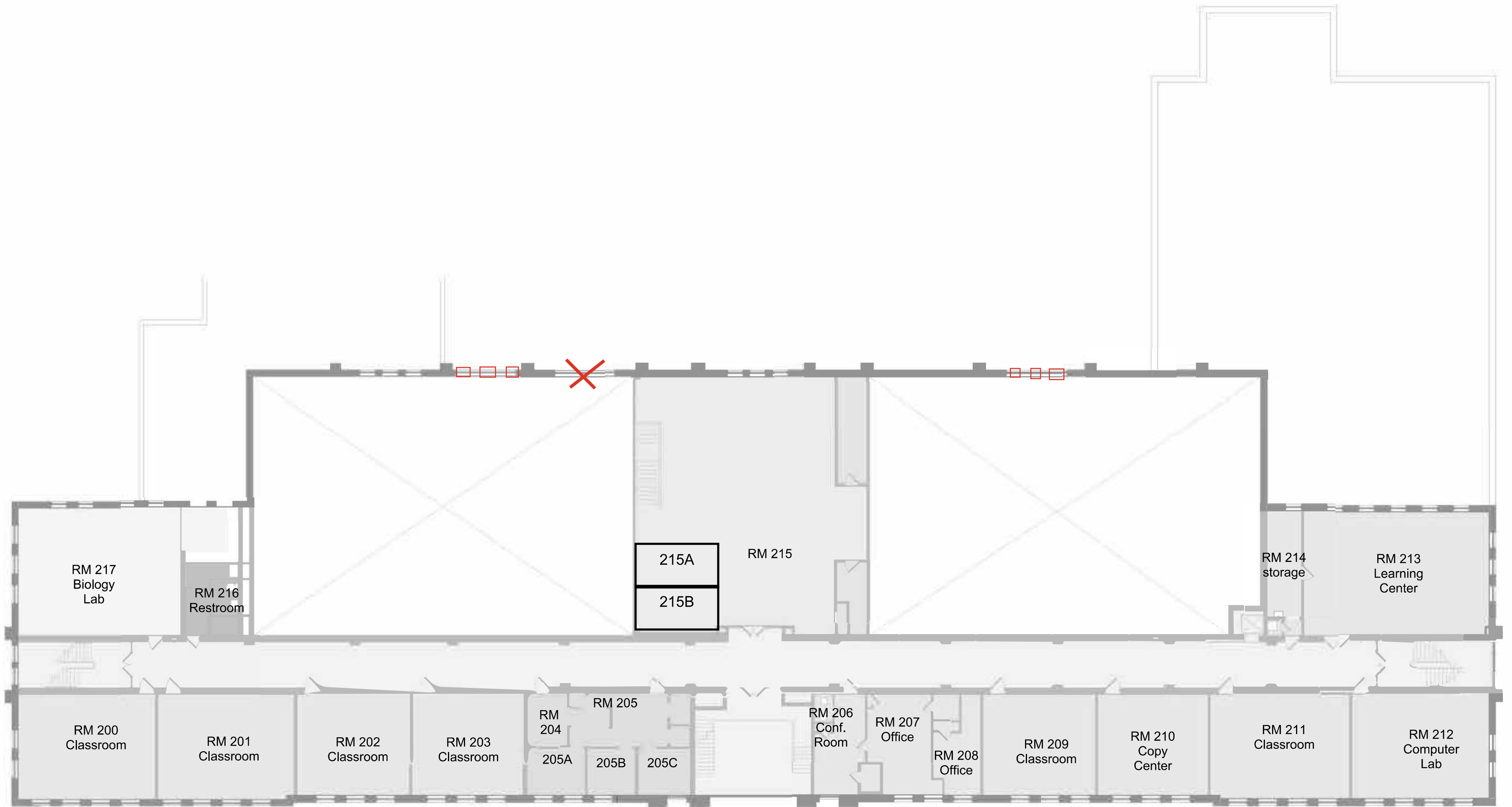
Erie county Community College (west)  
 2403 West 8th Street, Erie PA 16505

**Basement Level**  
 NOT TO SCALE

Prepared by: Chris Ray 1/5/24

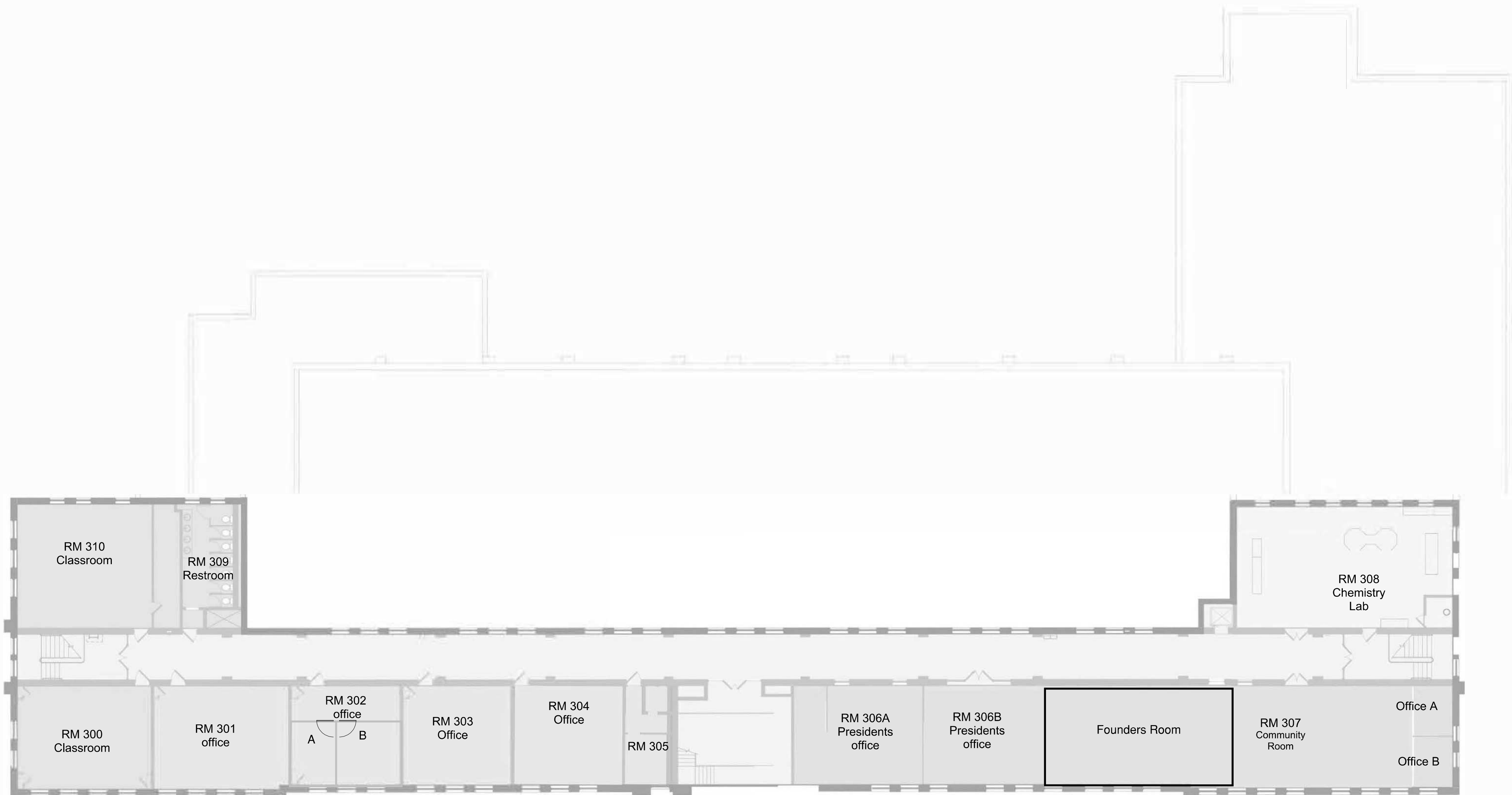


Erie county Community College (west)  
 2403 West 8th Street, Erie PA 16505  
**First Floor Level**  
 NOT TO SCALE  
 Prepared by: Chris Ray 1/5/24



Erie county Community College (west)  
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**Second Floor Level**  
 NOT TO SCALE  
 Prepared by: Chris Ray 1/5/24





Erie county Community College (west)  
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**Third Floor Level**

NOT TO SCALE

Prepared by: Chris Ray 1/5/24