



The City of
OKLAHOMA CITY

APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

NOTE: any relevant permits must be applied for and paid for separately in the Development Services Dept.
NOTE: Contact Historic Preservation Staff for final design inspection when work is complete.

Please select: ☐ New Project ☐ Revision ☐ Extension ☐ Violation Notice Issued

Location of Proposed Work (Address): 2609 N Martin Luther King Ave

Legal Description of Property (lot, block, addition): WALLACE ADKINS ADD 001 LOTS 43 THRU 48

Year built: 1945 Exterior wall material: Brick/CMU Floor area: 1,568 sq.ft.

Itemized Work Items (List EACH ITEM proposed. Work not listed here will NOT be reviewed):

☐ New Construction ☐ Addition ☐ Fence ☐ Demolition (specify structure) _____
☐ Paving (specify) _____ ☒ Renovation (specify) Full Building renovation
☒ Work not specified above re-application due to CA expiration

Owner's Authorization

I hereby certify that all above statements and statements contained in all attached and transmitted exhibits are true to the best of my knowledge and belief. In the event this proposal is approved and begun, I agree to complete the changes in accordance with approved plans in a good and workmanlike manner. I authorize the City of Oklahoma City to enter the property for the purpose of observing and photographing the project for presentations and to ensure consistency between the approved proposal and the completed project.

☐ (If applicable): I authorize my representative to speak for me in matters regarding this application. Any agreement made by my representative regarding this proposal will be binding upon me.

Owner's Signature Leonard Benton
Name (printed) Leonard Benton, Chairman
Address P.O. Box 36421
City, State, Zip Oklahoma City, OK 73136

Date 03/07/2023
Organization Freedom Center, Inc.
Phone 405-510-7814
Email lendexben@att.net

I prefer to be: ☐ Mailed or ☒ Emailed
Representative Signature Collin Fleck
Name (printed) Collin Fleck
Address 1001 NW 63rd Street, suite 300
City, State, Zip OKC, OK 73116

Date March 7, 2023
Organization Bockus Payne Architecture
Phone 405-842-0858
Email collinf@bockus-payne.com

I prefer to be: ☐ Mailed or ☒ Emailed.

Contact: ☐ Owner ☒ Representative

Is Federal money, a federal license or a federal permit included/required for any part of this project? Yes / No

If yes, what Federal agency? _____

Is the property owner pursuing the Federal Tax Credits for Rehabilitation of income producing historic properties? Yes / No (For questions concerning the federal tax credit program, telephone the State Historic Preservation Office at (405) 522-4479).

NOTE: Specific deadlines apply to submission of additional documentation or requests for appeals. Should your project be continued or denied, you are responsible for compliance with those deadlines.

Staff Only:

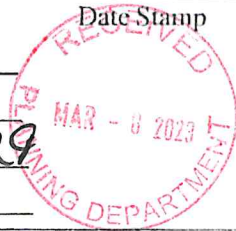
Date Stamp

Zoning: HP or HL

District: HL - 2nd

HPCA- 23-00029

Received by: DC





The City of OKLAHOMA CITY

HISTORIC PRESERVATION AND LANDMARK CERTIFICATE OF APPROPRIATENESS HPCA-21-00169

Owner: Freedom Center, Inc.
Leonard Benton
PO Box 36421
Oklahoma City, OK 73136

Representative: Bockus Payne Architecture
Collin Fleck
1001 NW 63rd Street, Ste 300
Oklahoma City, OK 73116


On November 2, 2021, Planning Department staff received your request for a Historic Preservation Certificate of Appropriateness for the property located at **2609 N Martin Luther King Ave.**

In accordance with the codes and ordinances of the City of Oklahoma City, the Historic Preservation Commission of Oklahoma City has conducted a public hearing and has reviewed in detail the application to:

1) Remove all paving and landscape material (elective); 2) Relocate existing monument (elective); 3) Install new sidewalks (elective); 4) Install new paving including parking and event space (elective); 5) Construct planters and seating (elective); 6) Install landscaping (elective); 7) install bicycle racks (elective); 8) Replace all brick veneer on structure (elective); 9) Replace roof and install concealed gutter (elective); 10) Install glazed tile on east side of structure (elective); 11) Replace all windows (elective); 12) Replace all doors (elective); 13) Reinstall stone memorial on south end of structure (elective); 14) Install skylights on west slope of roof (elective); 15) Install new windows on the west side of structure (elective); 16) Install new doors on the west side of structure (elective); 17) Install new board and batten siding in gable ends (elective); 18) Install LED Strip lighting (elective); 19) Place HVAC unit (elective); and 20) Refurbish sign on east side of structure (elective).

It is the decision of the Commission that said application (conditionally) is in conformance with the provisions of the Historic Preservation Ordinance and is approved. The specific findings of fact and conclusions of law are attached.

Approved: **December 1, 2021**
Effective: **December 16, 2021**
Expiration: **December 16, 2022**

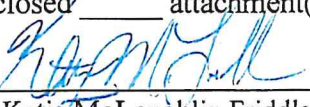

Taylor Fudge, Chair
Historic Preservation Commission

Your project may require a permit. Please check with the Plan Review section of the Development Services Department, 8th Floor, 420 W Main St (405/297-2525), for details. To obtain a permit, please submit the Certificate of Appropriateness with the original attachments stamped "approved." Please contact the Planning Department (405/297-1831) for final inspection of your design review project upon completion.

Certificate of Appropriateness
HPCA-21-00169
December 1, 2021

The enclosed _____ attachment(s) must remain attached for this document to be valid.

Attest: _____


Katie McLaughlin Friddle,
Historic Preservation Officer
City of Oklahoma City, Planning Department

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Page 2 of 53

Certificate of Appropriateness
HPCA-21-00169
December 1, 2021

Specific Findings of Fact and Conclusions of Law for Approval of HPCA-21-00169:

1. That the proposed work, with specific findings, unique circumstances and conditions will not have an adverse effect on the historic character of the district or property; that the following unique circumstances exist; that though the items may not strictly comply with all relevant Guidelines or are not addressed by them, they are nonetheless consistent with the spirit and intent of the Guidelines and are in compliance with all relevant Guidelines and sections of the Municipal Code, 2020* as referenced in the Staff Report.

Specific Findings Item 20:

1. That the sign is existing and a character-defining feature of the historic building in its most recent form;
2. That the Guidelines support the retention and preservation of character-defining features.
3. Specific Findings Items 14, 15, and 16:
4. That the Guidelines allow for new openings for windows, doors, and skylights on rear elevations and where not visible from the public right-of-way;
5. That the property is located at a corner lot where the rear elevation may be visible from the public right-of-way;
6. That the location of the structure in relationship to surrounding buildings, and the slope of the roof, may minimize the visibility of the proposed features;
7. That the property is unique because it no longer has any openings on the rear elevation;
8. That the proposed materials appear to be consistent with the existing features and character of the property but must be fully documented;
9. That all glass must meet requirements as specified in the Guidelines.

Specific Findings Items 9 and 10:

1. That the Guidelines support replacement of a composition roof with new, composition roof shingles;
2. That replacement of the roof maintains the form of the existing roof;
3. That the concealed gutter preserves the appearance of the roof at the eaves while providing protection for the building from deterioration caused by not directing water appropriately;
4. That the original finish of the gable ends is unknown;

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Certificate of Appropriateness

HPCA-21-00169

December 1, 2021

5. That board and batten, fiber cement siding appears to be a comparable, similarly simple design that does not detract from the historic character of the building.

Specific Findings Items 1, 2, 3, 4, 5, 6, 7, and 18:

1. That existing paving and site features warrant repair or replacement;
2. That the general landscape plan diverges from the historic character of the site and its origins as a filling station but does not appear to impact the overall historic character of the property;
3. That some materials, including stone landscape benches/beds and LED strip lighting, may be out of character with the historic property;
4. That materials present at the site, including brick and concrete, and more traditional lighting methods, may be more compatible with the property.

Specific Findings Items 8, 10, 11, 12, 13, and 19:

1. That the Freedom Center building exhibits evidence of different eras of its development and evolution, including the most recent installation of brick veneer and gable roof;
2. That rehabilitating the building to its most recent appearance is appropriate based on the age of the features and their connection to the history and development of the Freedom Center;
3. That rehabilitating the building to the most recent appearance requires close replication of existing features, including brick, mortar, window, and doors;
4. That installation of the tile markers on the east elevation is an appropriate technique to replicate a historic feature in a more durable and lasting manner;
5. That the west façade was never clad in brick veneer and should remain exposed in order to avoid a false historic appearance and in order to preserve and document the evolution of the building;
6. That the white concrete block exterior should be fully documented in photographs prior to reinstallation of the brick veneer;
7. That the existing windows and doors, and their openings, have not been shown to be deteriorated beyond repair
8. That full documentation of window and door openings and products are necessary to confirm accurate replication.

Conditions:

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Certificate of Appropriateness

HPCA-21-00169

December 1, 2021

1. That documentation of any revisions to the design or material specifications as directed by the Commission be submitted to staff prior to the release of the Certificate of Appropriateness.
2. That changes to any products or materials as directed by the Commission be submitted to staff prior to release of the Certificate of Appropriateness.
3. That details, including dimensions, for windows, doors, and the skylight be submitted to staff prior to release of the Certificate of Appropriateness.
4. That the west wall of the structure be retained as CMU veneer to replicate the historic condition.

Unique Circumstance:

1. That the building has been in a constant state of evolution that justifies the approach to its rehabilitation.

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The City of
OKLAHOMA CITY

Staff Only:

Date Stamp

Zoning: HP or HL

District: HL

HPCA- 21-00169

Received by: QIS

10/2/21

APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

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Name (printed) Leonard Benton

Organization Freedom Center, Inc.

Address P.O. Box 36421

Phone 405-510-7814

City, State, Zip Oklahoma City, Oklahoma 73136

Email lendexben@att.net

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Representative Signature Collin Fleck

Date November 1, 2021

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Address 1001 NW 63rd Street, suite 300

Phone 405-842-0858

City, State, Zip OKC, OK 73116

Email collinf@bockus-payne.com

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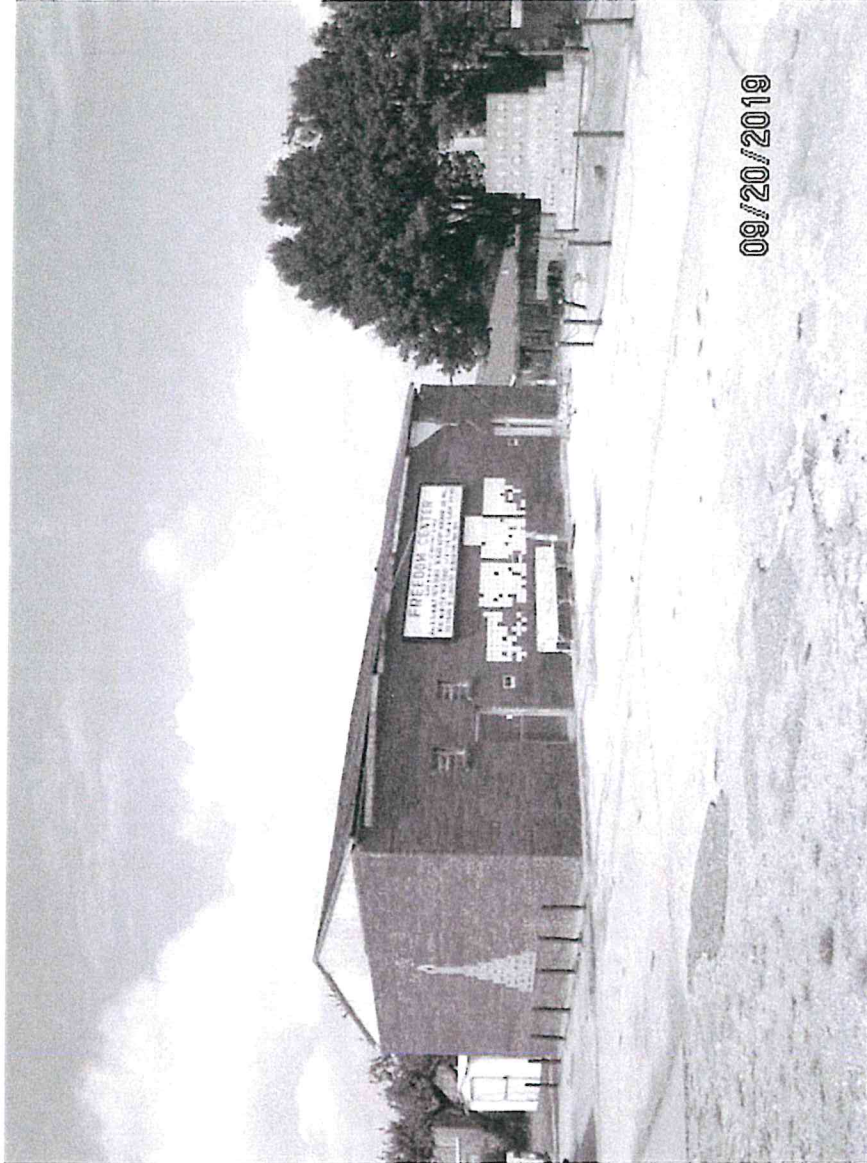
Certificate of Appropriateness

HPCA - 21 - 00169 Page 6 of 53 pages

Effective: 12 / 16 / 21 Expiration: 12 / 16 / 22

Notes: _____

By: WPF



FREEDOM CENTER RENOVATION // 2609 N MLK AVE
HISTORIC PRESERVATION // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

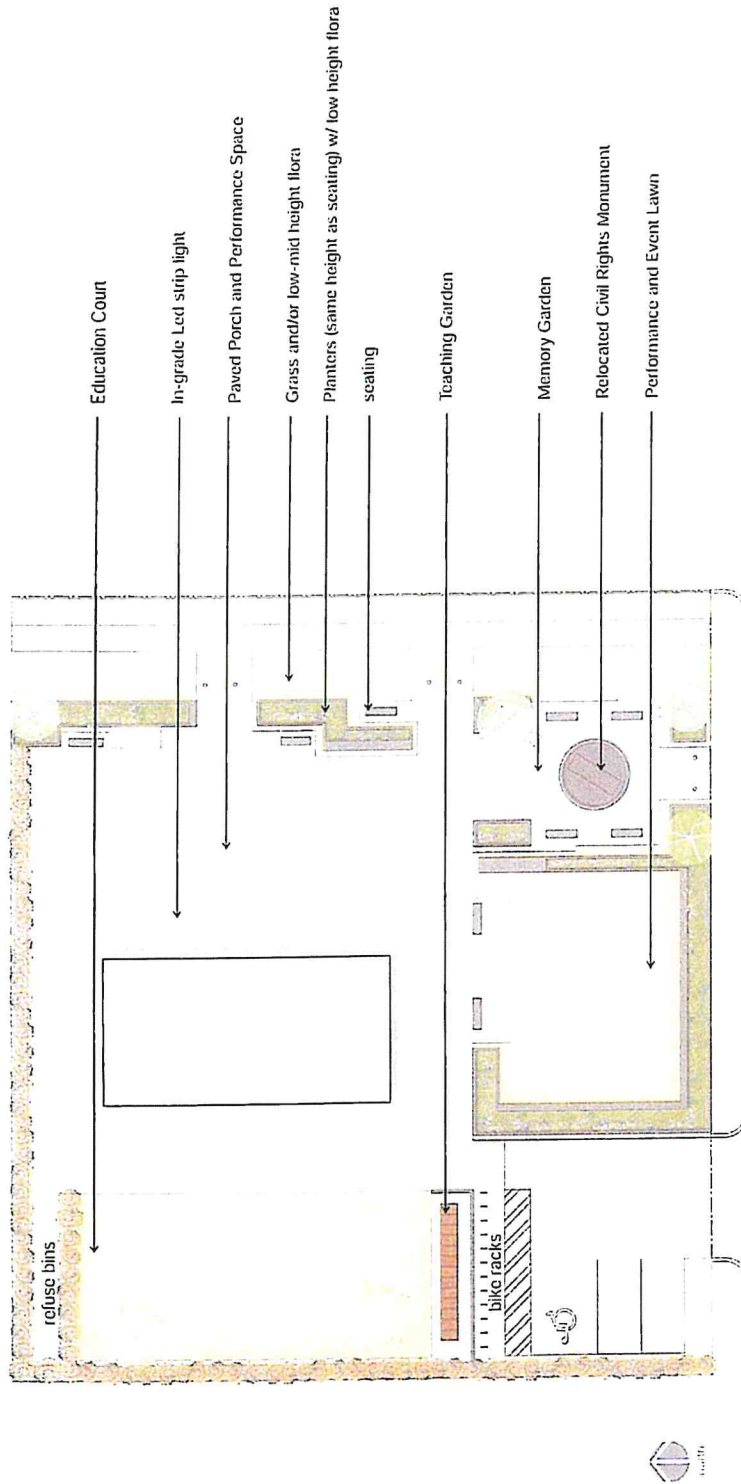
Certificate of Appropriateness

HPCA - 21 - 00164 Page 7 of 53 20 pages
Effective: 12 / 16 / 21 Expiration: 12 / 16 / 22
Notes: _____

ATLIER CORY HENRY | BOCKUS PAYNE

By [Signature]

SITE PLAN



FREEDOM CENTER RENOVATION // 2609 N MILK AVE
HISTORIC PRESERVATION // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

ATELIER CORY HENRY | BOCKUS PAYNE

Certificate of Appropriateness

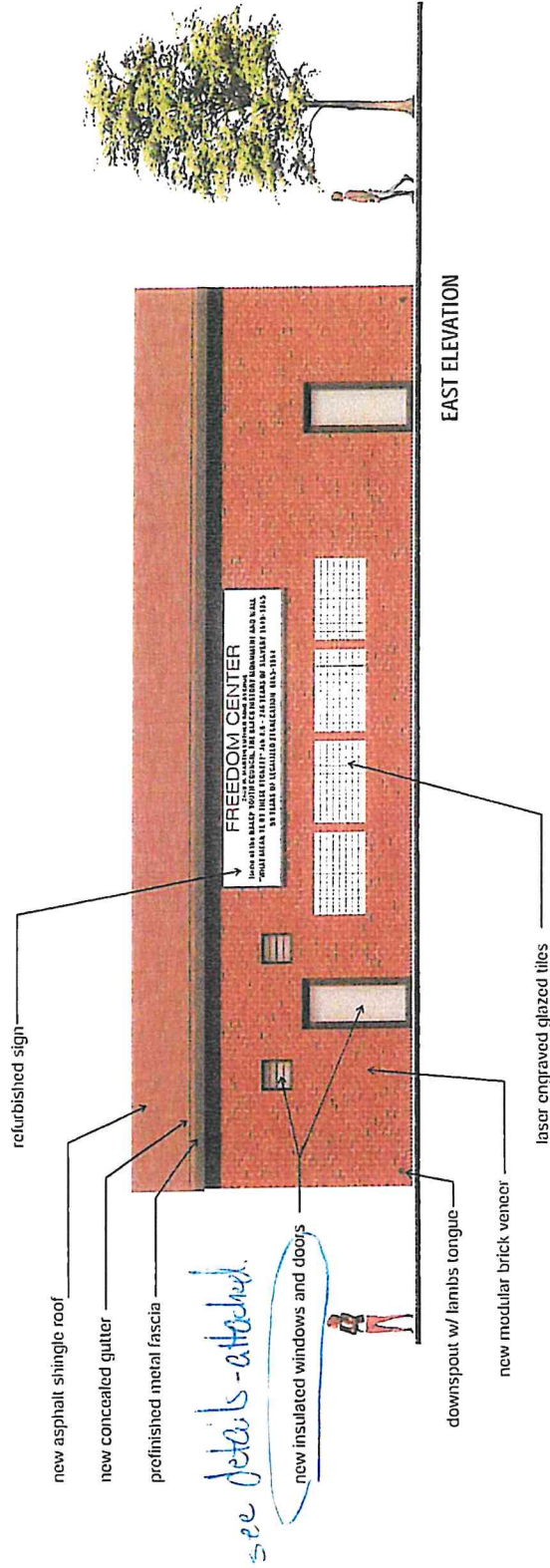
HPCA - 21 - 00169 Page 8 of 53 pages

Effective: 12 / 16 / 21 Expiration: 12 / 16 / 22

Notes: _____

By: [Signature]

BUILDING ELEVATIONS



FREEDOM CENTER RENOVATION // 2609 N MLK AVE
HISTORIC PRESERVATION // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

ATELIER CORY HENRY | BOCKUS PAYNE

Certificate of Appropriateness
 HPCA - 21 - 00169 Page 9 of 53 pa
 Effective: 12 / 16 / 21 Expiration: 12 / 16 / 22
 Notes: _____
 By: kur

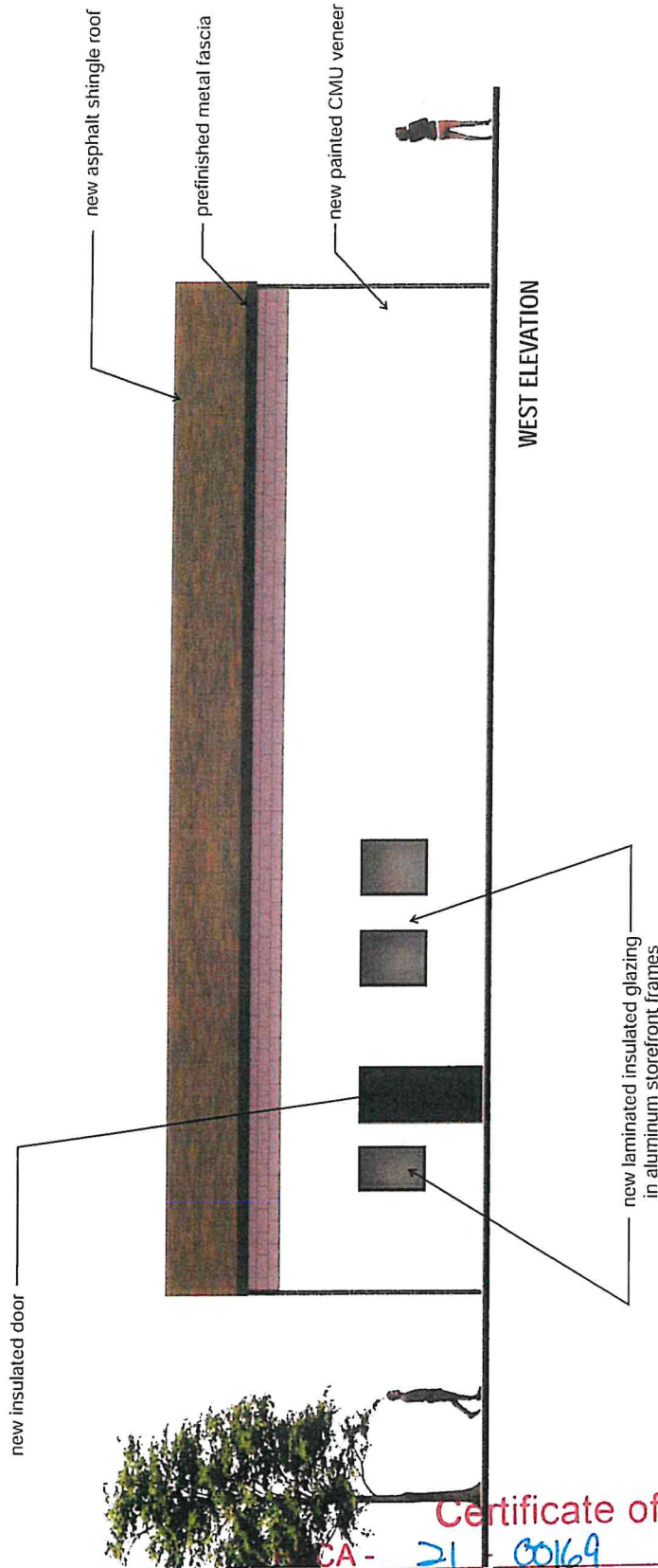
DECEMBER 1, 2021

Revision #1: 2-16-22

BUILDING ELEVATIONS



DELETED CONCEALED GUTTER & DOWNSPOUTS
CHANGED TO PAINTED CMU VENEER
MODIFIED WINDOW SIZES
DELETED SKYLIGHTS



Certificate of Appropriateness

CA - 21-00169 Page 10 of 53
Effective: 12 / 16 / 21 Expiration: 12 / 16 / 23
Notes: _____

ATELIER CORY HENRY | BOCKUS PAYNE

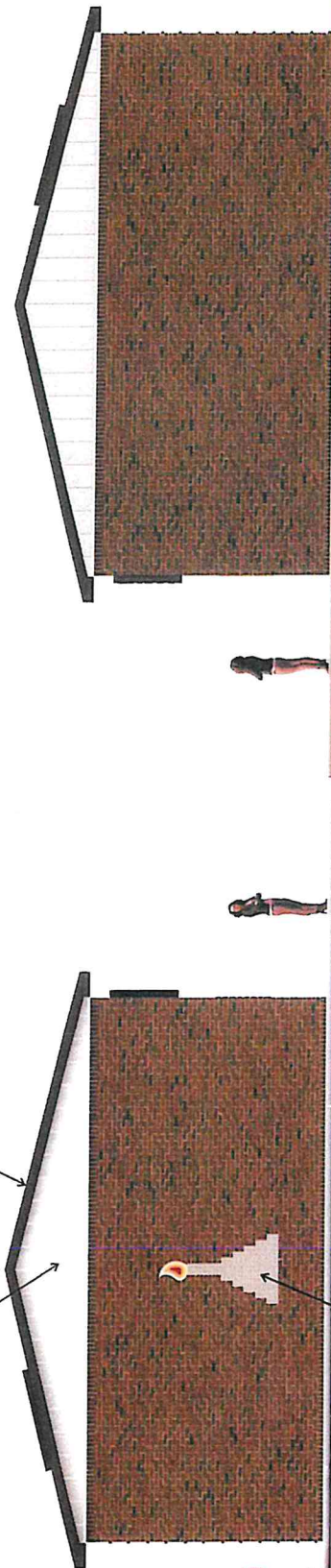
FREEDOM CENTER RENOVATION // 2609 N MLK Ave
HISTORIC PRESERVATION // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

By: lup

BUILDING ELEVATIONS

prefinished metal fascia

new board and batten siding



SOUTH ELEVATION

NORTH ELEVATION

Certificate of Appropriateness

HPCA - 21 - 00169 Page 11 of 53 pag

Effective: 12 / 6 / 21 Expiration: 12 / 16 / 22

Notes:

ATER CORY HENRY | BOCKUS PAYNE

By WUP

Certificate of Appropriateness
 HPCA - 21 - 00169 Page 12 of 53 pages
 Effective: 12 / 16 / 21 Expiration: 12 / 16 / 22
 Notes: _____

By: jupe



**FREEDOM CENTER
RENOVATION**

Certificate of Appropriateness

HPCA - 21 - 00169 Page 13 of 53 pages
Effective: 12 / 16 / 21 Expiration: 12 / 16 / 22
Notes: _____

Effective: 12 / 16 / 21 Expiration: 12 / 16 / 22

By: WUF



**FREEDOM CENTER
RENOVATION**

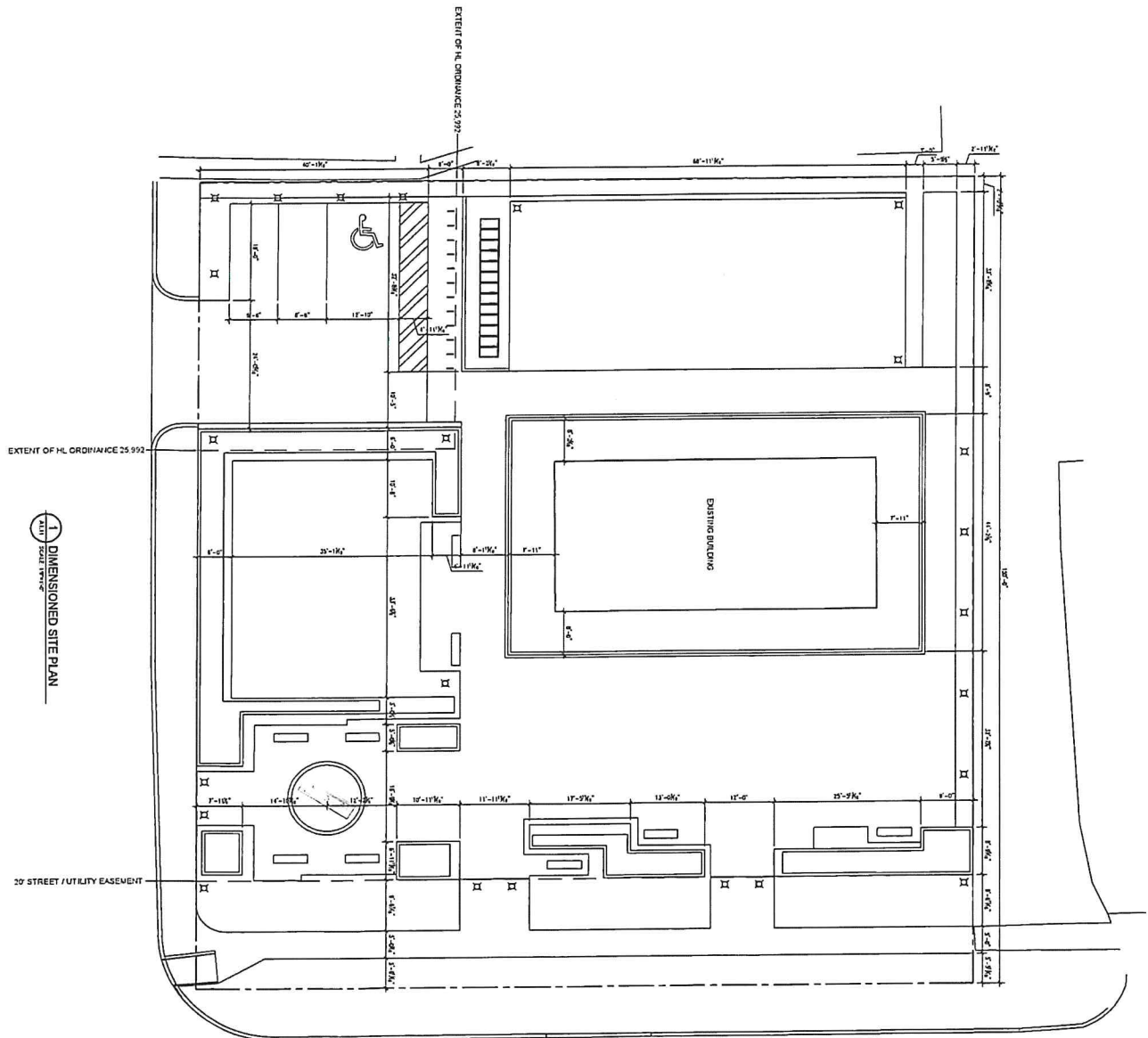
Certificate of Appropriateness

HPCA - 21 - 00169 Page 14 of 53 pag

Effective: 12 / 16 / 21 Expiration 12 / 16 / 22

Notes: _____

By: MUF



PRELIMINARY - NOT FOR CONSTRUCTION

DATE: 11/13/21
JOB NO.: 2019163
SHEET NO.:

A1.11

DIMENSIONED SITE PLAN

A HISTORIC RENOVATION FOR
**THE FREEDOM CENTER
OF OKLAHOMA CITY**
2609 N MARTIN LUTHER KING

REMARKS:

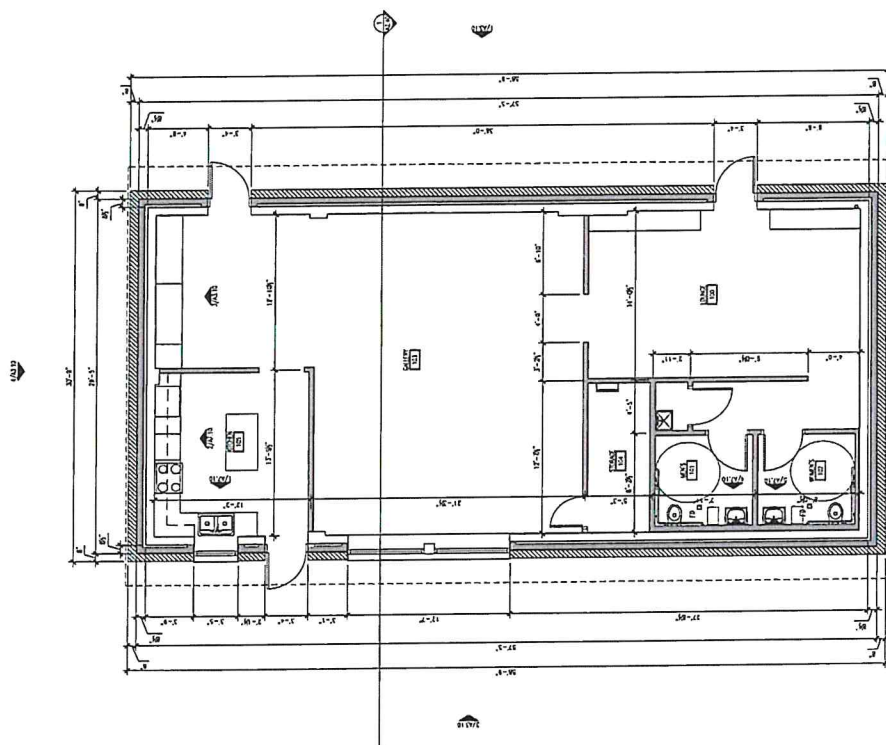
COMMENTS:

800 Westwood Blvd, Suite 200
Oklahoma City, OK 73106
P: 405.450.0001 | F: 405.450.0002
www.bockuspayne.com

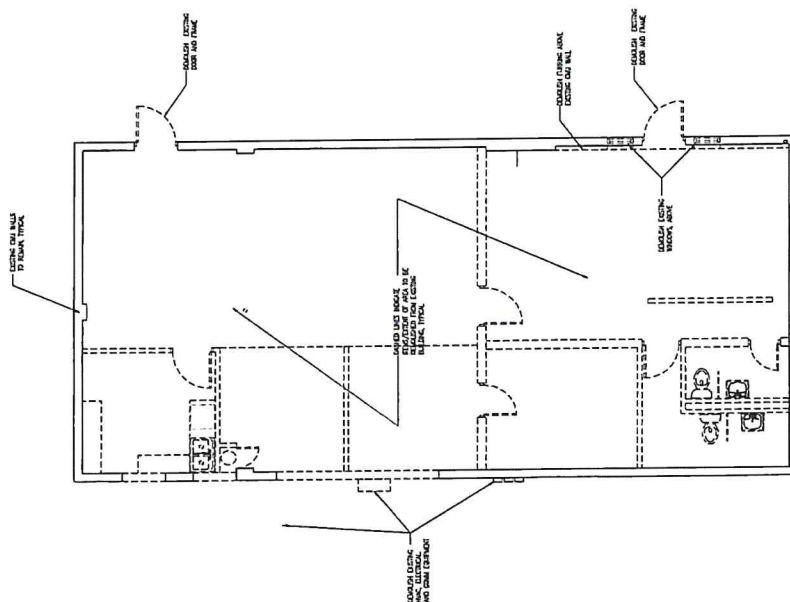
BOCKUS PAYNE
ARCHITECTURE



**FREEDOM CENTER
RENOVATION**



2 REFERENCE AND DIMENSION PLAN



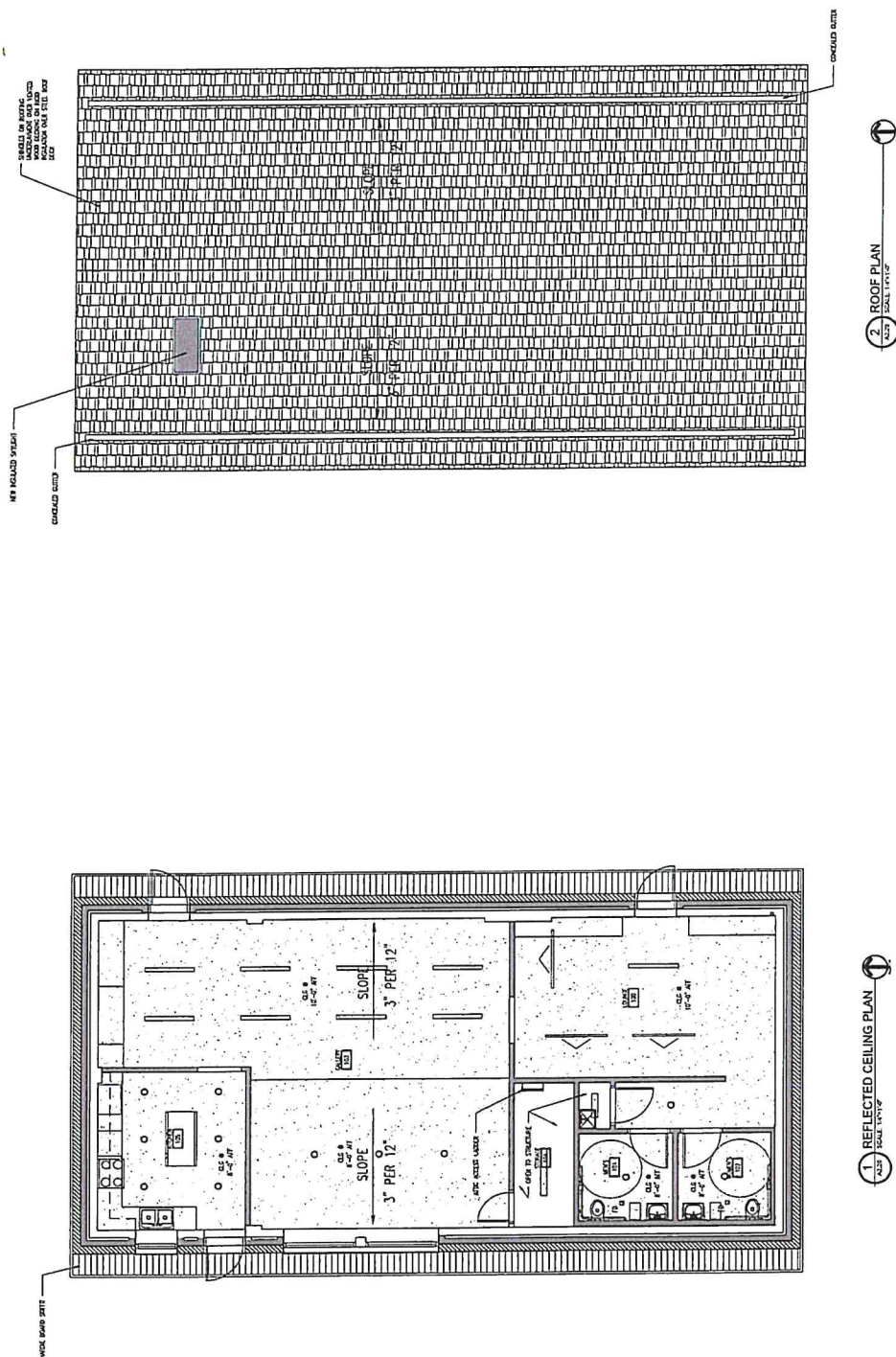
1 DEMOLITION PLAN
A3.12 SCALE: 1/8"=1'-0"

[illegible]

Certificate of Appropriateness

HPCA - 21 - 0069 Page 15 of 53 pages
 Effective: 12 / 16 / 21 Expiration: 12 / 16 / 22
 Notes: _____

By: Kuf



Certificate of Appropriateness

HPCA - 21 - 00769 Page 16 of 53 page

Effective: 12 / 16 / 21 Expiration: 12 / 16 / 22

Notes:

By: Wuf



**BOCKUS PAYNE
ARCHITECTURE**

6337 Waterford Blvd., Suite 240
Dallas, TX 75218
P: 214.444.4444 F: 214.444.4444
www.bockuspayne.com

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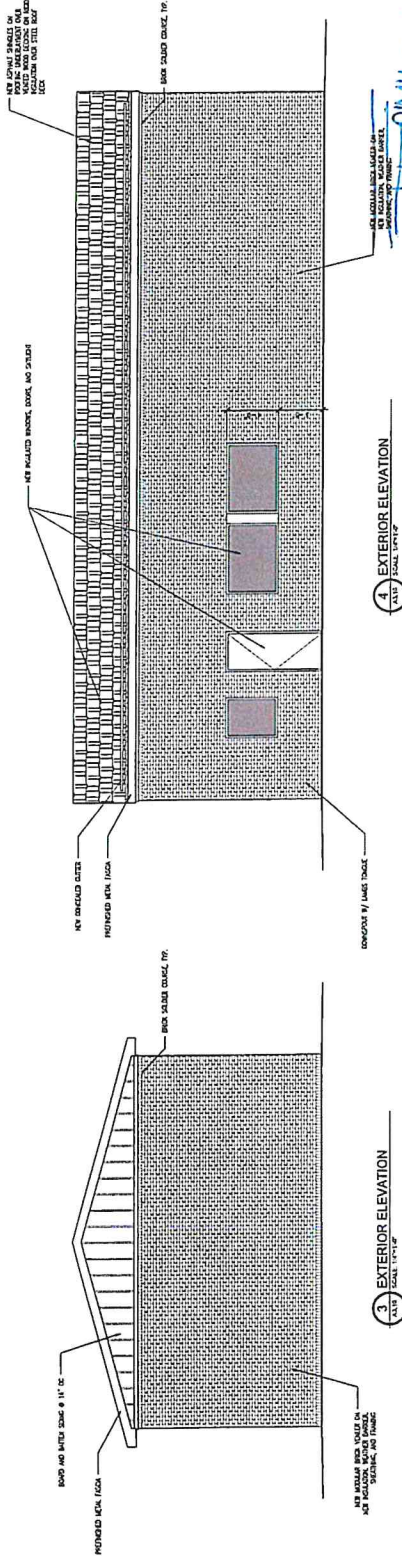
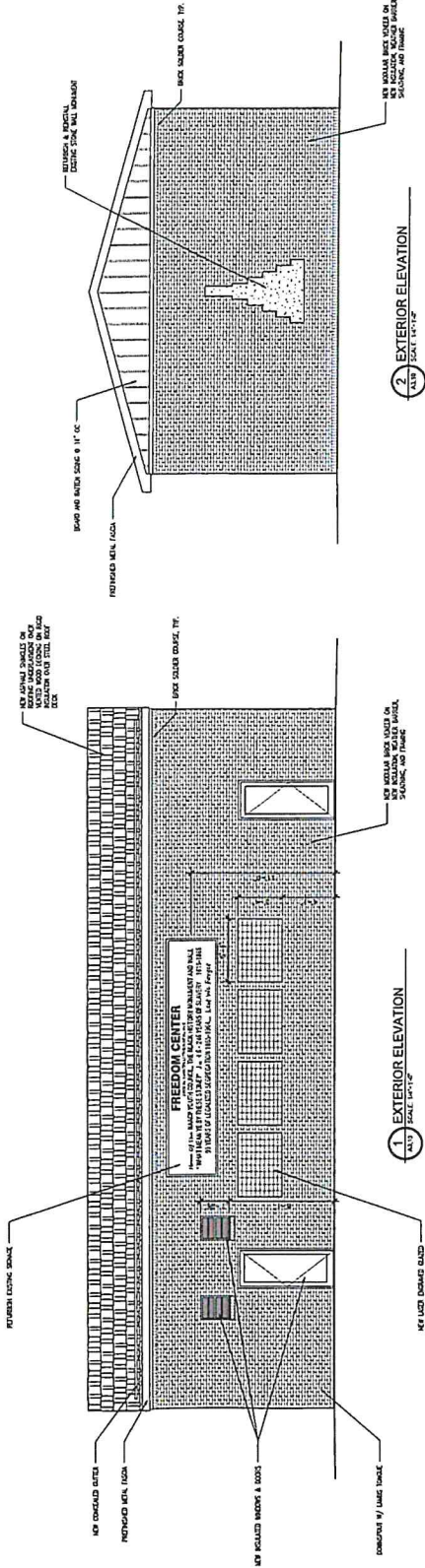
REVISIONS:

A HISTORIC RENOVATION FOR
THE FREEDOM CENTER
OF OKLAHOMA CITY
2609 N MARTIN LUTHER KING

EXTERIOR ELEVATIONS

DATE: 11/12/21
JOB NO.: 2019183
SHEET NO.: A3.10

PRELIMINARY - NOT FOR CONSTRUCTION



White ONLY view -
see Bldg Elevation

Certificate of Appropriateness
 HPCA - 21 - 00169 Page 17 of 53 pag
 Effective: 12 / 16 / 21 Expiration: 12 / 16 / 22
 Notes: _____

By: LMF



BOCKUS PAYNE
ARCHITECTURE

5332 Westside Blvd., Suite 240
Oklahoma City, OK 73118
Phone: 405.521.1111
www.bockus-payne.com

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CONSULTANT

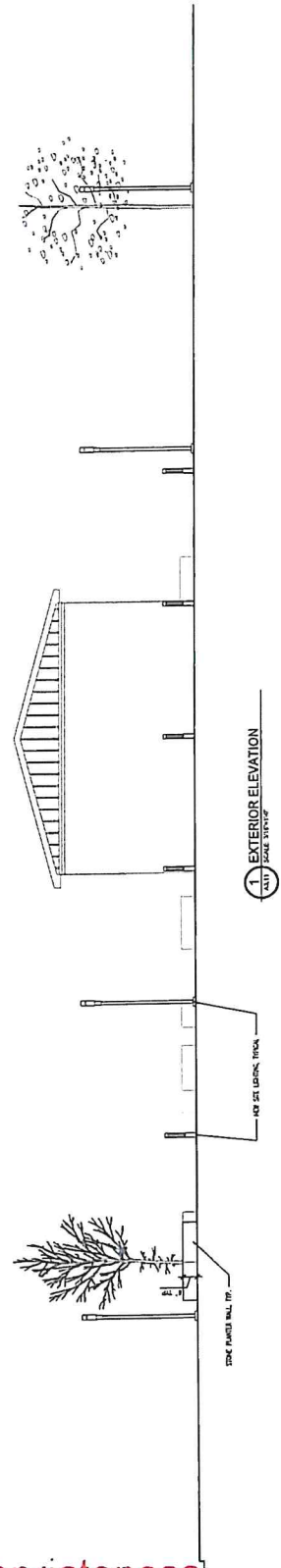
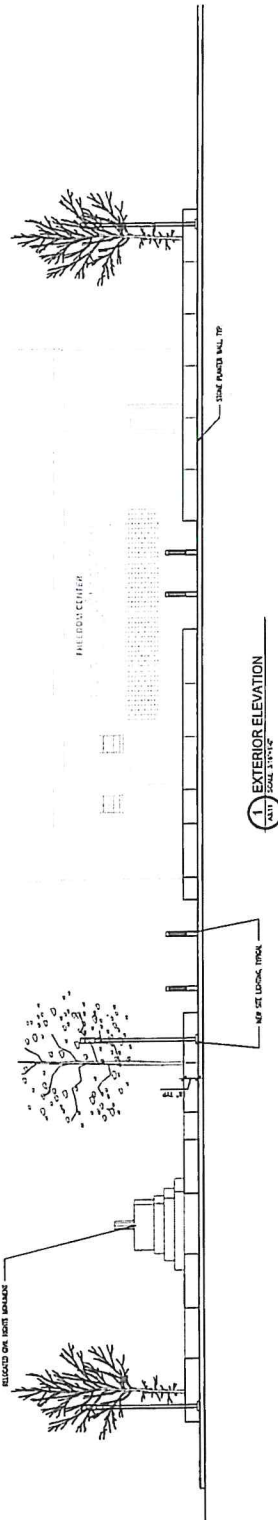
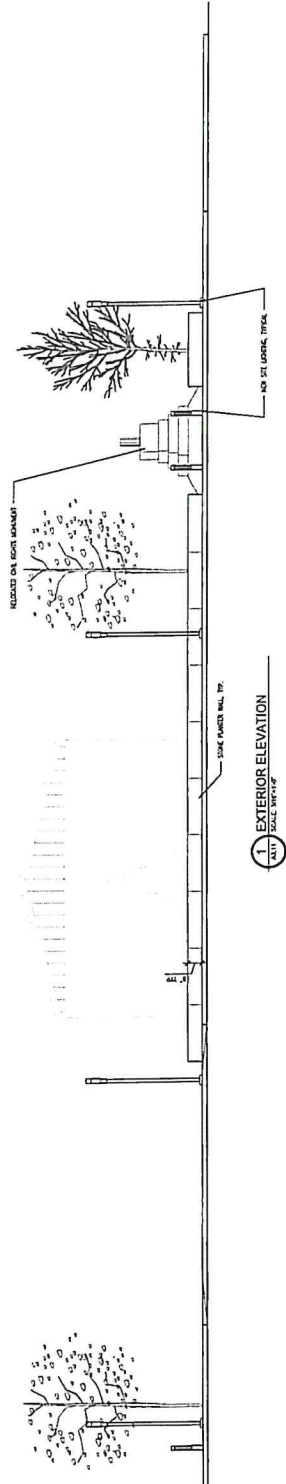
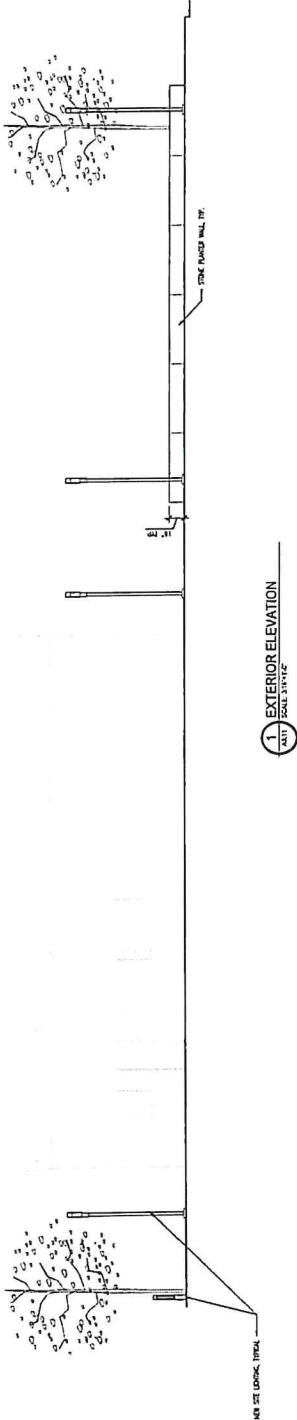
REVISIONS:

A HISTORIC RENOVATION FOR
THE FREEDOM CENTER
OF OKLAHOMA CITY
2609 N MARTIN LUTHER KING
2609 N MARTIN LUTHER KING

SITE WALL ELEVATIONS

DATE: 11/12/21
JOB NO.: 2010143
SHEET NO.:
A3.11

PRELIMINARY - NOT FOR CONSTRUCTION



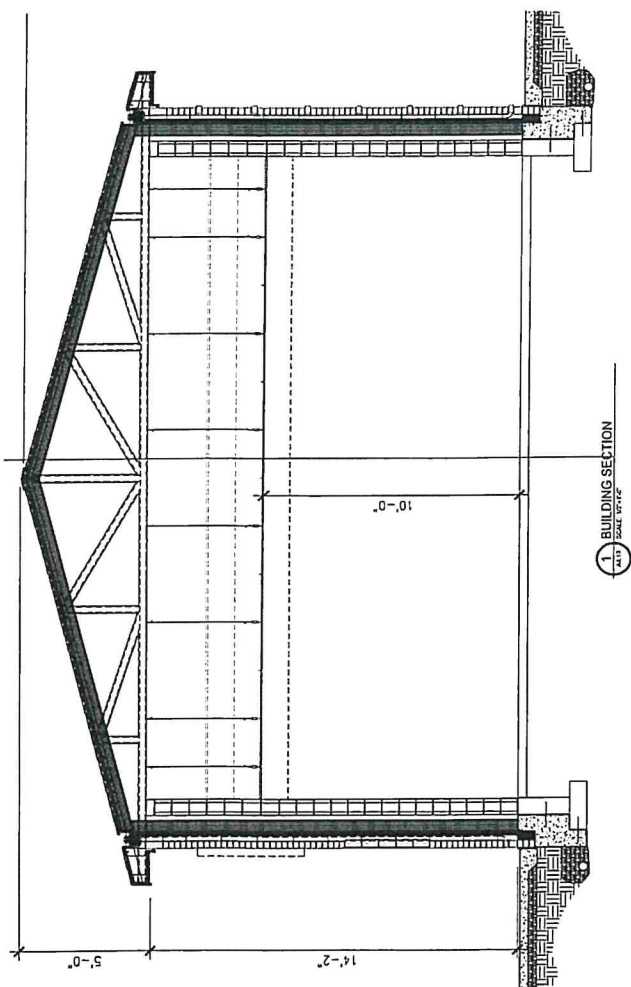
Certificate of Appropriateness

HPCA - 21 - 00169 Page 18 of 53 pages
Effective: 12 / 16 / 21 Expiration 12 / 16 / 22
Notes: _____

By: lluf



PRELIMINARY - NOT FOR CONSTRUCTION



Certificate of Appropriateness

HPCA - 21 - 00164 Page 19 of 53 pages

Effective: 12 / 16 / 21 Expiration 12 / 16 / 22

Notes: _____

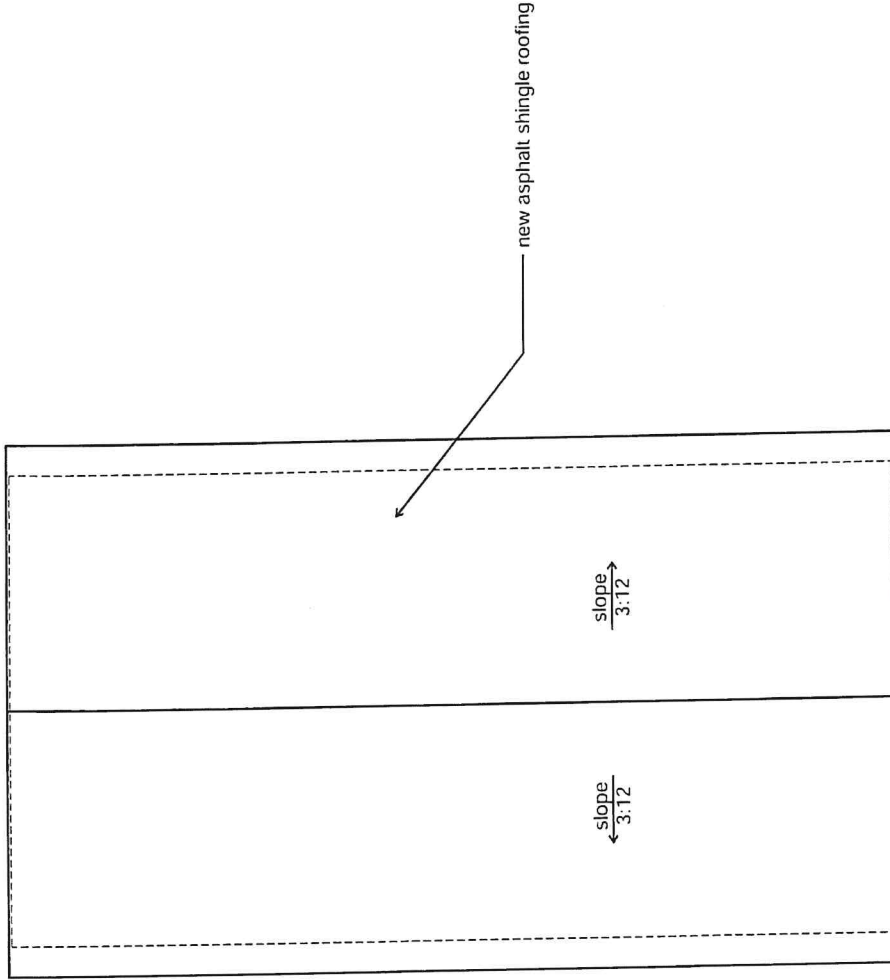
By: lup

DECEMBER 1, 2021

Revision # 1: 2-16-22

DELETED SKYLIGHTS
DELETED CONCEALED GUTTER

ROOF PLAN



new asphalt shingle roofing

slope
3:12

slope
3:12

Certificate of Appropriateness

HPCA - 21 - 00169 Page 20 of 53 pages:
Effective: 12 / 16 / 21 Expiration: 12 / 16 / 22
Notes: _____

By Wuf

ATELIER CORY HENRY | BOCKUS PAYNE

FREEDOM CENTER RENOVATION // 2609 N MLK Ave
HISTORIC PRESERVATION // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

DECEMBER 1, 2021

Revision #1: 2-16-22

new asphalt shingle roof

new prefinished metal fascia

new hardie plank soffit

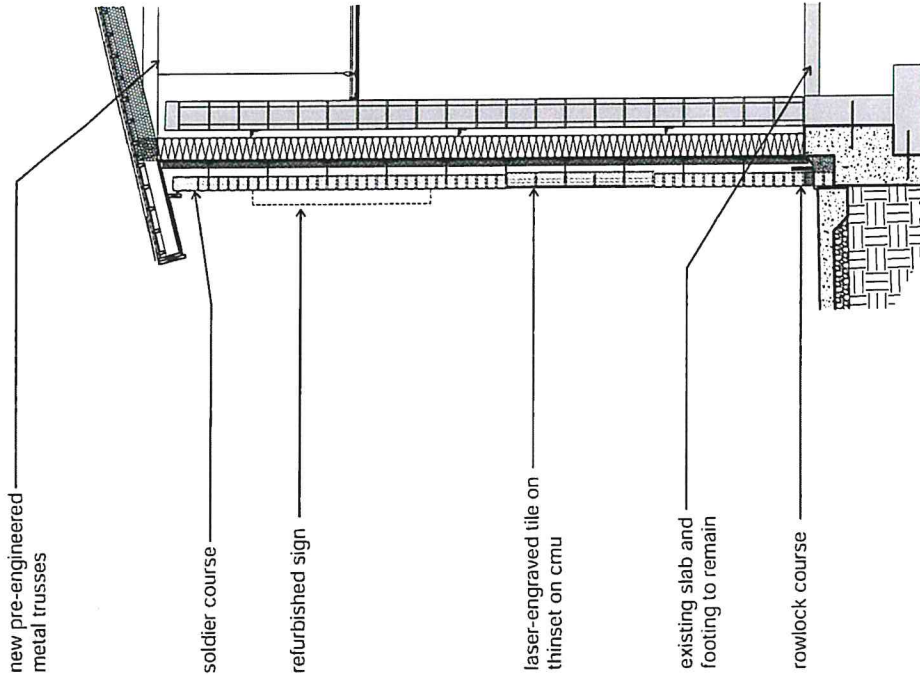
existing cmu walls, to remain

new painted CMU veneer

insulation on weather barrier on metal stud framing

new concrete footing and brick ledge

WALL SECTIONS



DELETED CONCEALED GUTTER & DOWNSPOUTS
CHANGED TO PAINTED CMU VENEER ON WEST
MODIFIED WINDOW SIZES
MODIFIED EAVE SECTION TO BE MORE ACCURATE

Certificate of Appropriateness

HPCA - 21 - 00169 Page 21 of 53 pages

Effective: 12 / 16 / 21 Expiration: 12 / 16 / 22

Notes: _____

By: WUP

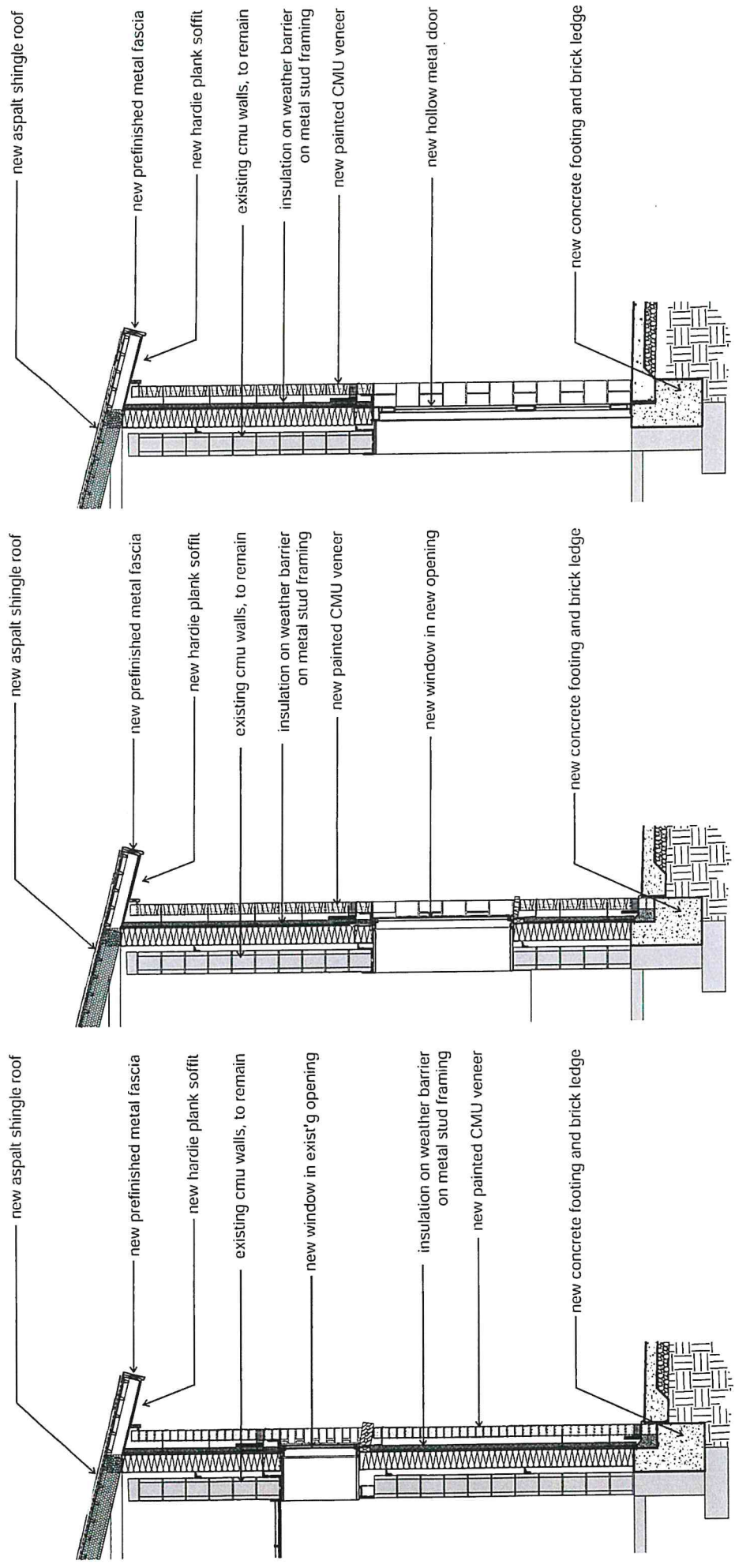
FREEDOM CENTER RENOVATION // 2609 N MLK Ave
HISTORIC PRESERVATION // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

ATELIER CORY HENRY | BOCKUS PAYNE



DECEMBER 1, 2021
Revision #1: 2-16-22

WALL SECTIONS



ATELIER CORY HENRY | BOCKUS PAYNE

Certificate of Appropriateness

FREEDOM CENTER RENOVATION // 2609 N MLK Ave

HPCA - 21 - 00169

Page 53 of 53

HISTORIC PRESERVATION // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

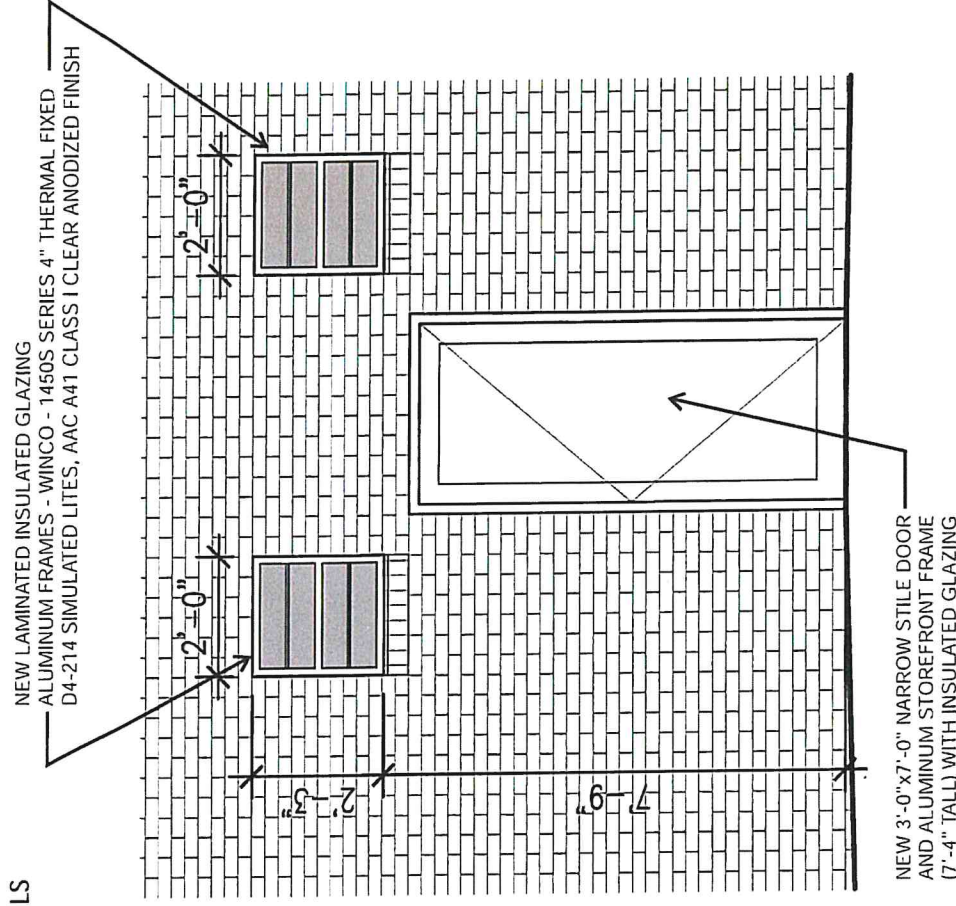
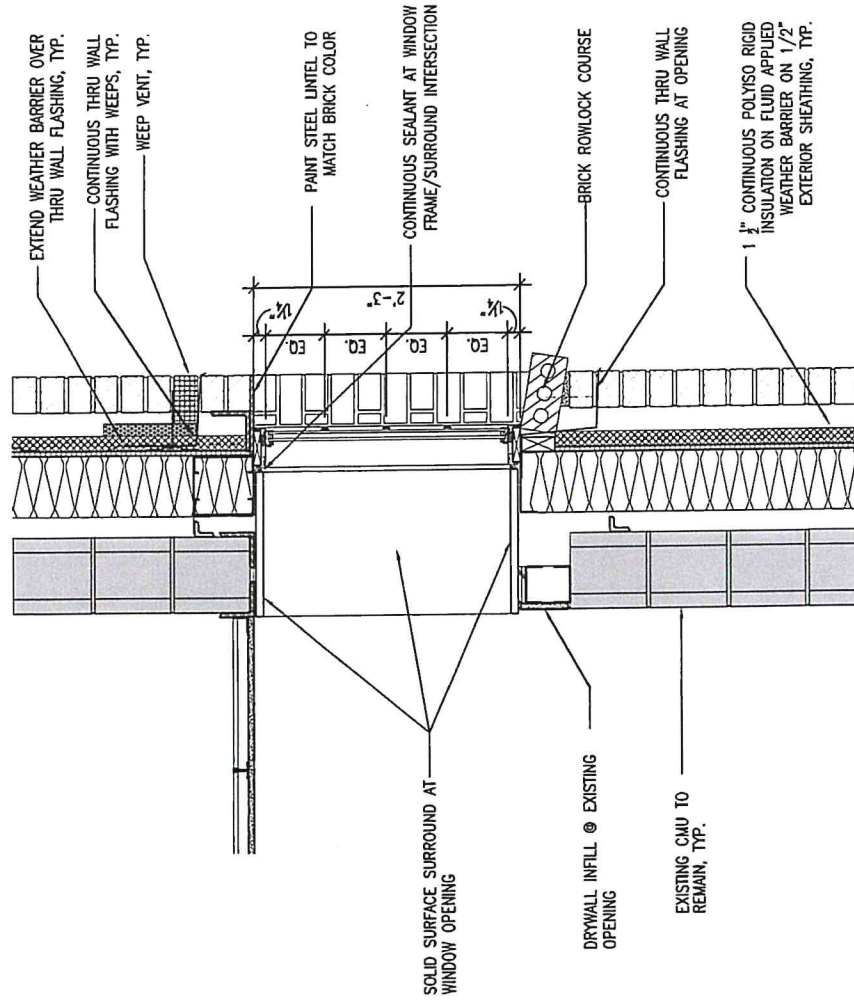
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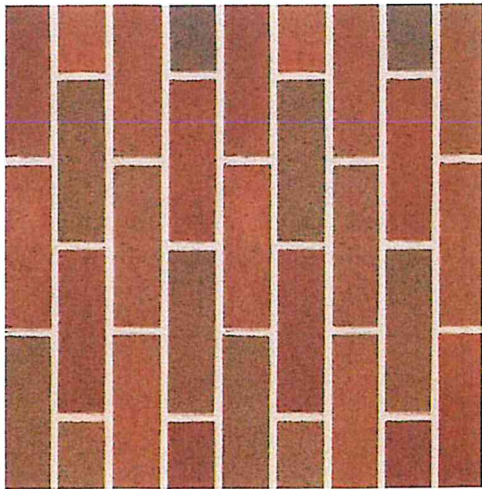
Notes:

By: KWP

WINDOW DETAILS



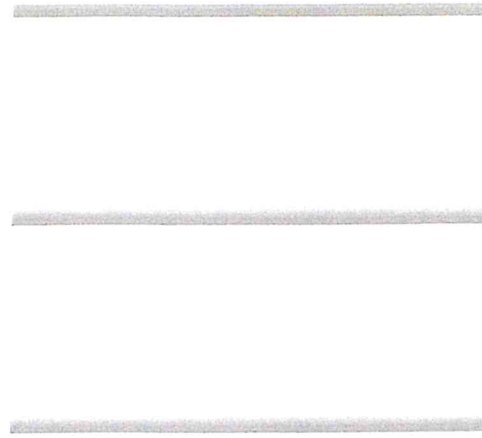
METHODS + MATERIALS



BRICK VENEER // BELDEN - CLARET FULL RANGE VEL



ROOFING // CERTAINTED - WEATHERED WOOD

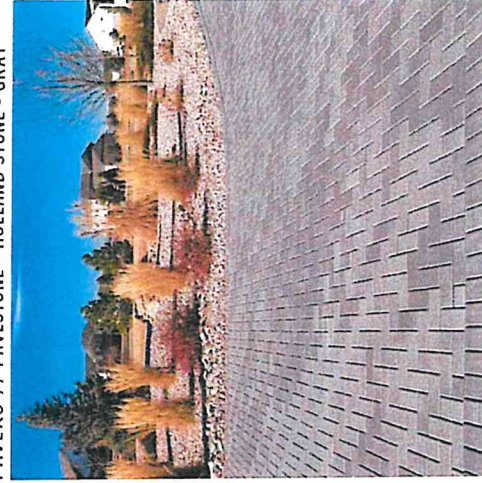


SIDING // HARDIE PLANK - ARCTIC WHITE

GLAZING // VITRO R77 ON CLEAR - LAMINATED/INSUL



PAVERS // PAVESTONE - HOLLAND STONE - GRAY



PLANTERS // US STONE - FLINT HILLS GRAY - HONED



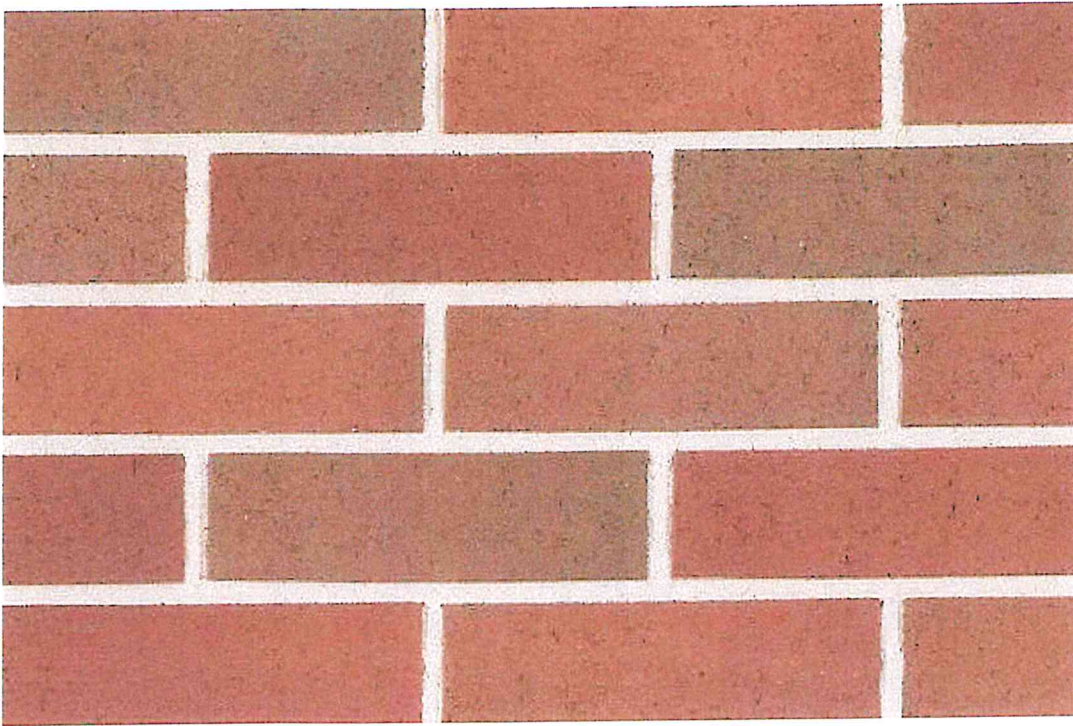
ATELIER CORY HENRY | BOCKUS PAYNE

FREEDOM CENTER RENOVATION // 2609 N MLK Ave
HISTORIC PRESERVATION // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

Certificate of Appropriateness
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By: lwf

Home / Brick / Face / Claret Full Range Velour



f p

CLARET FULL RANGE VELOUR

Type	Face
Color	Brown
Texture	Velour
Plant	Plant 2
Manufacturing Method	Extruded

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By: WLF

Brick comparison and proposed roof material



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By: Kur

Sizes Specs

Sizes	Width	Height	Length	Thin Flat Be
Modular	3 5/8" 92mm	2 1/4" 57mm	7 5/8" 194mm	5/8" 16mm
Economo Modular	3 5/8" 92mm	3 5/8" 92mm	7 5/8" 194mm	5/8" 16mm
Norman	3 5/8" 92mm	2 1/4" 57mm	11 5/8" 295mm	5/8" 16mm
Utility	3 5/8" 92mm	3 5/8" 92mm	11 5/8" 295mm	5/8" 16mm
Double Utility	3 5/8" 92mm	7 5/8" 194mm	11 5/8" 295mm	N/A
Quad	3 5/8" 92mm	7 5/8" 194mm	7 5/8" 194mm	N/A
Monarch	3 5/8" 92mm	3 5/8" 92mm	15 5/8" 397mm	N/A
Monarch 5-5/8 Thru Wall	5 5/8" 143mm	3 5/8" 92mm	15 5/8" 397mm	N/A
Monarch 7-5/8 Thru Wall	7 5/8" 194mm	3 5/8" 92mm	15 5/8" 397mm	N/A
Double Monarch	3 5/8" 92mm	7 5/8" 194mm	15 5/8" 397mm	N/A
Ambassador	3 5/8" 92mm	2 1/4" 57mm	15 5/8" 397mm	N/A

LOOKING WHERE TO BUY BRICK?

Find Your Local Distributor

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By: LMF

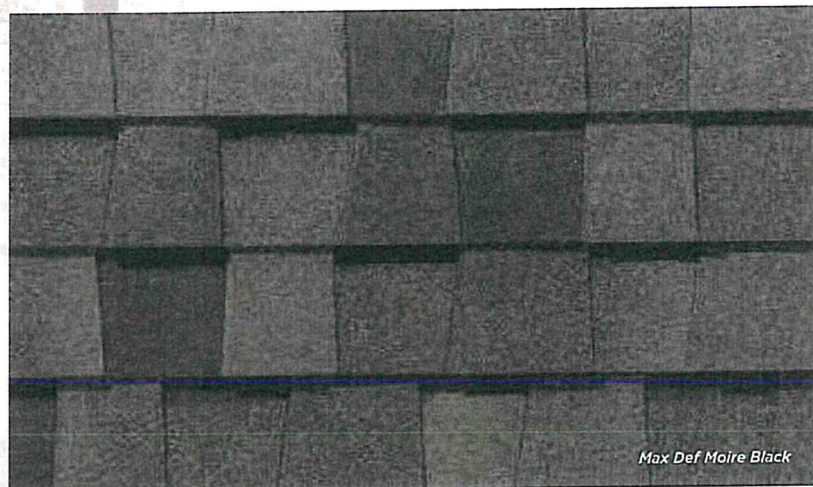
SHINGLES TO BE
LANDMARK PRO
WEATHERED
WOOD

The Expert's Choice

LANDMARK[®] PRO

A refined union of vision and value,
our PRO line leads its class in optimal
performance and variety of color.

- Engineered to meet professional contractors' exacting specifications
- Available in a wide selection of eye-catching **Max Def** colors
- Outweighs standard laminates to provide greater protection from the elements



Max Def Moire Black

Landmark PRO, shown in Max Def Moire Black

See next page for full color palette.

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By: luif



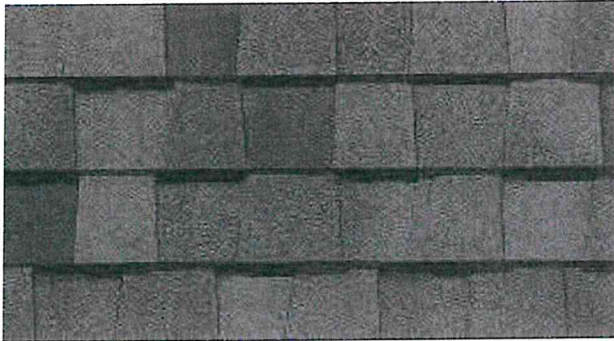
Max Def Colonial Slate



Max Def Weathered Wood



Max Def Pewter



Max Def Moire Black



Max Def Burnt Sienna



Max Def Resawn Shake

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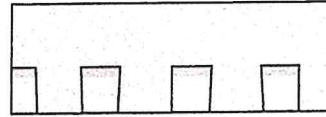
Notes: _____

By: huf

Landmark®, Landmark® Premium, Landmark® Pro Shingles, Landmark® Pro/Architect 80 (NW Region Only) Shingles

PRODUCT INFORMATION

Landmark shingles reflect the same high manufacturing standards and superior warranty protection as the rest of CertainTeed's line of roofing products. Landmark Premium (and Algae Resistant-AR), Landmark PRO (and AR) and Landmark (and AR) are built with the industry's toughest fiber glass mat base, and their strict dimensional tolerance assures consistency. Complex granule color blends and subtle shadow lines produce a distinctive color selection. Landmark is produced with the unique NailTrak® nailing feature. **Please see the installation instruction section below for important information regarding NailTrak.**



In the Northwest Region Landmark PRO (AR) is double-branded as Landmark PRO/Architect 80 (AR).

Landmark algae-resistant (AR) shingles are algae-resistant and help protect against dark or black discoloration, sometimes called staining or streaking, caused by blue-green algae. AR shingles are not available in all regions.

Colors: Please refer to the product brochure or CertainTeed website for the colors available in your region.

Limitations: Use on roofs with slopes greater than 2" per foot. Low-slope applications (2:12 to < 4:12) require additional underlayment. In areas where icing along eaves can cause the back-up of water, apply CertainTeed WinterGuard® Waterproofing Shingle Underlayment, or its equivalent, according to application instructions provided with the product and on the shingle package.

Product Composition: Landmark Series shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. Two pieces of the shingle are firmly laminated together in a special, tough asphaltic cement. All Landmark shingles have self-sealing adhesive strips.

Applicable Standards

ASTM D3018 Type I
ASTM D3462
ASTM E108 Class A Fire Resistance
ASTM D3161 Class F Wind Resistance
ASTM D7158 Class H Wind Resistance
UL 790 Class A Fire Resistance

ICC-ES ESR-1389 and ESR-3537
CSA Standard A123.5 (Regional)
Miami-Dade Product Control Approved
Florida Product Approval # FL5444
Meets TDI Windstorm Requirements

Technical Data:

	Landmark (and AR)	Landmark PRO* (and AR)	Landmark Premium (and AR)
Weight/Square (approx.)	219 to 238 lb **	240 to 267 lb **	300 lb
Dimensions (overall)	13 1/4" x 38 3/4"	13 1/4" x 38 3/4"	13 1/4" x 38 3/4"
Shingles/Square (approx.)	66	66	66
Weather Exposure	5 5/8"	5 5/8"	5 5/8"

*Includes Landmark PRO AR/Architect 80

**Dependent on manufacturing location

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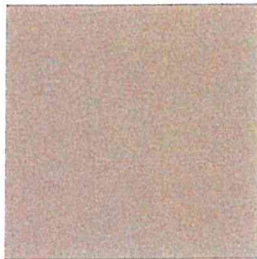
By: WUF

Retro Active 2.0

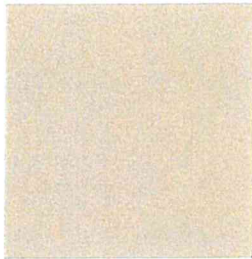
Porcelain Stone®

TILE TO BE ENGRAVED TO
REPLICATE EXISTING
PLAQUES

Available Colors - UPS and Polished



RET01 › Antico Taupe UPS/PO



RET02 › Seal Taupe UPS/PO



RET03 › Featherstone UPS/PO



RET04 › Empress White UPS/PO



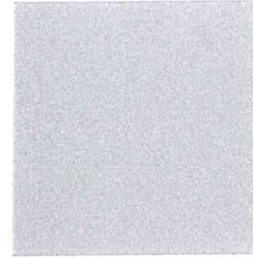
RET05 › Snow Blind UPS/PO



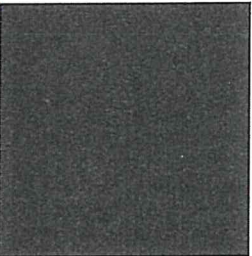
RET06 › Roasted Chestnut UPS/PO



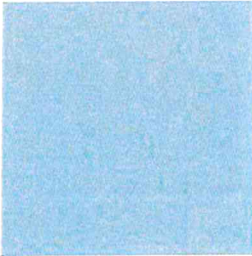
RET07 › Leaden UPS/PO



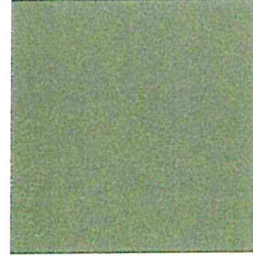
RET08 › Mercurial UPS/PO



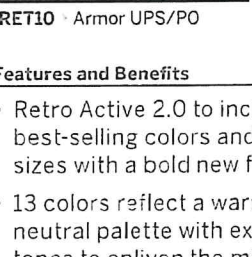
RET09 › Phantom UPS/PO



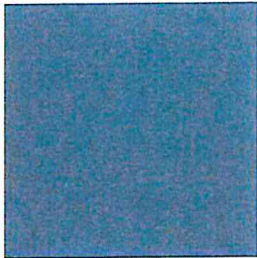
RET10 › Armor UPS/PO



RET11 › Gulf Breeze UPS/PO



RET12 › Racing Green UPS/PO



RET13 › Royal Navy UPS/PO

Features and Benefits

- Retro Active 2.0 includes the best-selling colors and in-demand sizes with a bold new finish option.
- 13 colors reflect a warm and cool neutral palette with exciting bright tones to enliven the mix, including super white and black.
- 8 sizes in polished and unpolished finishes and our complementary linear texture pattern pieces.
- Retro Active 2.0 pattern tiles, also in 13 colors, work in tandem or on their own to give dimension and a unique touch of texture.
- Ideal for any indoor application and exterior covered walls.
- Cross-Sheen® finish for easy cleaning
- Complementary 2 x 4 mosaic
- Made in the USA



Crossville, Inc. • P.O. Box 1168, Crossville, TN 38557 • Phone: 931.484.2110 • Fax: 931.456.2956 • E-Mail: Crossc@CrossvilleInc.com • CrossvilleInc.com

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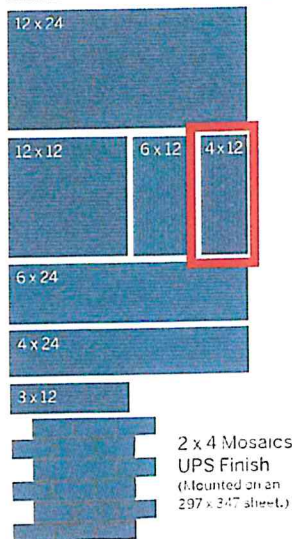
By: WUF

Retro Active 2.0

Porcelain Stone®



Sizes (Shown in RETI)



Crossville® Sample Express

Complimentary Samples are available at
CrossvilleInc.com/products/retro-active-2-0/

Samples may also be ordered through customer service by email or phone.

Sample fulfillment & Help Line
Samples@CrossvilleInc.com
1 800 221.9093

Loose Tile Samples
Available for Designers

Loose Tile Samples

Sizes may vary depending on product series

Max. of 4 large field tile per order

Replacement Chips for PSS Rack

Max. of 5, 2 x 2 chips per color

Standard Shipping

UPS Ground

Sizes & Finishes

Nominal (in)	Actual (in)	Thickness (in)	Grout Joint (in)	Finish
2 x 12 ¹ *	2-3/4 x 11-3/4	5/16	3/16	UPS/PO/PTN
4 x 12 ¹ *	3-3/4 x 11-3/4	5/16	3/16	UPS/PO/PTN
4 x 24 ¹	3-3/4 x 23-3/4	5/16	3/16	UPS/PO/PTN
6 x 12 ¹ *	5-3/4 x 11-3/4	5/16	3/16	UPS/PO/PTN
6 x 24 ¹ *	5-3/4 x 23-3/4	5/16	3/16	UPS/PO/PTN
12 x 12	11-3/4 x 11-3/4	5/16	3/16	UPS/PO/PTN
12 x 24	11-3/4 x 23-3/4	5/16	3/16	UPS/PO/PTN

Crossville recommends a grout joint of 3/16 inch.
Actual measurements stated in inches indicate tile is calibrated (non-certified).

Actual measurements stated in mm indicate tile is rectified.

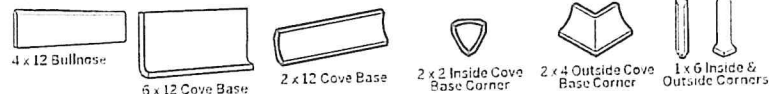
¹ These cut/bowl tile is cut from larger format tile and the edges are beveled to provide factory appearance.

*These sizes are not a standard stocking item. Please allow 2-4 weeks for delivery depending on availability.
No set-up fee or handling charge applied.

Nominal (in)	Actual (in)	Thickness (in)	Grout Joint (in)	Finish
2 x 4 Mosaic	11-3/4 x 11-3/4	5/16	3/16	UPS

*Mesh mounted on 297 x 347 sheet with 3mm grout joint. Coverage area is 0.97sf.

Nominal (mm)	Actual (in)	Thickness (in)	Grout Joint (in)	Finish
4 x 12 Single Bullnose	3-3/4 x 11-3/4	5/16	3/16	UPS/PO/PTN
6 x 12 Cove Base	5-7/8 x 11-3/4	3/8	3/16	UPS
2 x 12 Cove Base	1-3/4 x 11-11/16	3/8	3/16	UPS
1 x 6 Inside Corner	1 x 5-7/8	NA	3/16	UPS
2 x 2 Inside Corner	1-3/4 x 1-3/4	NA	3/16	UPS
1 x 6 Outside Corner	1 x 5-7/8	NA	3/16	UPS
2 x 4 Outside Corner	1-3/4 x 3-1/2	NA	3/16	UPS



Product Performance

Breaking Strength	>350 lbf	ASTM C648
Bond Strength	>200 psi	ASTM C482
Chemical Resistance (UPS, PTN)	Class A	ASTM C650
Chemical Resistance (PO)	Class B	ASTM C650
Frost Resistance	Resistant	ASTM C1026
Water Absorption	<0.20%	ASTM C373
Scratch Hardness	7	Mohs Scale

Wet Dynamic Coefficient of Friction Range

UPS	0.50 - 0.60	AcuTest™
PO	0.31 - 0.41	AcuTest™
PTN	0.42 - 0.52	AcuTest™

Shade & Texture Index

Retro Active 2.0 has a shade variation of V1.

V1	V2	V3	V4	V1 Uniform appearance
				V2 Slight Variation
				V3 Moderate Variation
				V4 Substantial Variation

This porcelain tile product is produced with a V1 variation. Differences among pieces from the same production run are minimal. Inspect the product upon delivery and for best results, blend tile from several cartons during installation.

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By: lmf

HOLLAND 45MM

PRODUCT NUMBER # 220



- Smooth surfaces and classical chamfers define each stone to create texture and visual structure with timeless appeal
- Versatile 2:1 shape easily forms stacked, runner, basketweave, and herringbone patterns
- Light vehicular applications
- Joints and surfaces meet ADA gap and lippage requirements
- Made of durable concrete with iron oxide pigments that will resist fading with extended UV exposure.

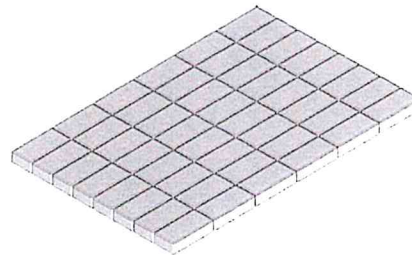
The Holland series offers the Old World charm of a simple shape where pavers can be installed in a variety of patterns to produce utilitarian or decorative pavement designs. Mixing these patterns with a combination of colors produces architectural effects limited only by the imagination. Holland is available in a range of paver heights to suit a variety of traffic conditions and base preparations, and in layer arrangements to facilitate mechanical installation.

STONE(S)



			4x8
Height	in	1.77	
	mm	45	
Length	in	7.87	
	mm	200	
Width	in	3.94	
	mm	100	
Units	/pl	672	

PALLET LAYOUT



NOTES

Weights are approximate and do not include shipping pallet.

PALLET SPECS

Pallet Weight	2865 lbs
Sq Ft/Pallet	145 sq.ft.

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By: KMF

HardiePanel®

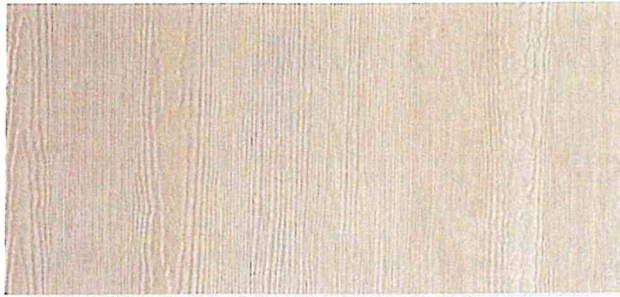
Thickness 5/16 in

BOARD AND
BATTEN TO BE IN
THE COLOR
ARTIC WHITE

SELECT CEDARMILL®, SMOOTH, STUCCO & SIERRA 8

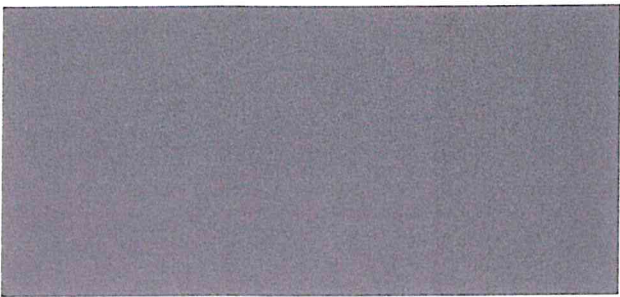
Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
Prime Pcs/Pallet	50	50	50
ColorPlus Pcs/Pallet	50	—	50
Pcs/Sq	3.2	2.8	2.5

SELECT CEDARMILL®



Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
STATEMENT COLLECTION™			✓
DREAM COLLECTION™	✓		✓
PRIME	✓	✓	✓

SMOOTH



Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
STATEMENT COLLECTION™			✓
DREAM COLLECTION™	✓		✓
PRIME	✓	✓	✓

STUCCO



Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
STATEMENT COLLECTION™			
DREAM COLLECTION™	✓		✓
PRIME	✓	✓	✓

SIERRA 8



Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
STATEMENT COLLECTION™			
DREAM COLLECTION™			
PRIME	✓	✓	✓

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By: KMF

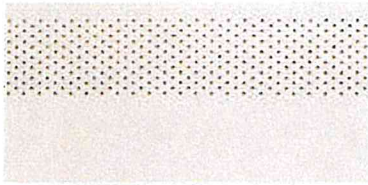
HardieSoffit®

Thickness 1/4 in

VENTED SMOOTH & SELECT CEDARMILL®

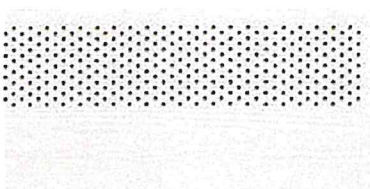
Length	12 ft	12 ft	8 ft
Width	12 in	16 in	24 in
Prime Pcs/Pallet	200	150	100
ColorPlus Pcs/Pallet	216	156	108

VENTED SMOOTH



Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in
STATEMENT COLLECTION™	✓	✓	
DREAM COLLECTION™	✓	✓	✓
PRIME	✓	✓	✓

VENTED SELECT CEDARMILL®



Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in
STATEMENT COLLECTION™			
DREAM COLLECTION™	✓	✓	✓
PRIME	✓	✓	✓

NON-VENTED SMOOTH & SELECT CEDARMILL®

Length	12 ft	12 ft	8 ft	8 ft
Width	12 in	16 in	24 in	48 in
Prime Pcs/Pallet	200	150	100	50
ColorPlus Pcs/Pallet	216	156	108	—

NON-VENTED SMOOTH

Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in	8 ft x 48 in
STATEMENT COLLECTION™	✓	✓		
DREAM COLLECTION™	✓	✓	✓	
PRIME	✓	✓	✓	✓

NON-VENTED SELECT CEDARMILL®

Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in	8 ft x 48 in
STATEMENT COLLECTION™				
DREAM COLLECTION™	✓	✓	✓	
PRIME	✓	✓	✓	✓

BEADED PORCH PANEL

BEADED PORCH PANEL

Thickness	1/4 in	STATEMENT COLLECTION™	
Length	8 ft	DREAM COLLECTION™	✓
Width	48 in	PRIME	✓
Prime Pcs/Pallet	50		

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By KUF

STATEMENT COLLECTION™

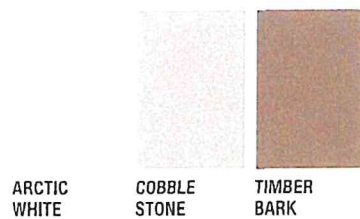
Make your next home stand out with our Statement Collection™ products. Carefully curated by our design experts specifically for your market, the collection brings together the most popular James Hardie ColorPlus® siding and trim styles, textures, and colors. This stunning selection is locally stocked and designed for simplicity - making it easier than ever to get a beautiful, long-lasting home exterior.

ColorPlus® Technology

Plank, Panel, Shingle and Batten Color Offering



Trim and Soffit Color Offering



Selecting a color? Request a product sample at jameshardiepros.com/samples

Colors shown are as accurate as printing methods will permit. Please see actual product sample for true color.

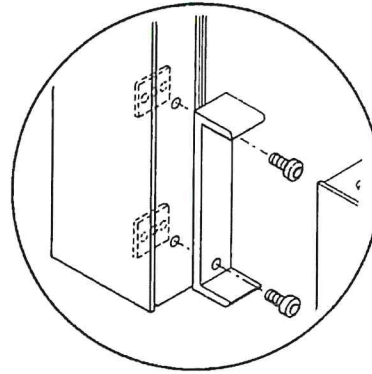
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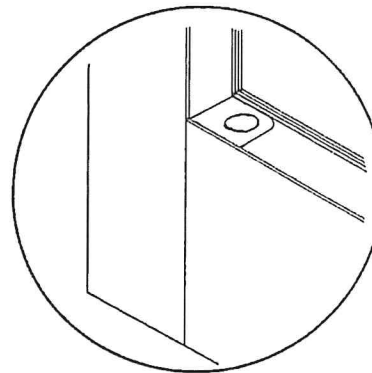
Bv: HLIP

FRAME FINISH
TO BE CLEAR
ANODIZED
ALUMINUM

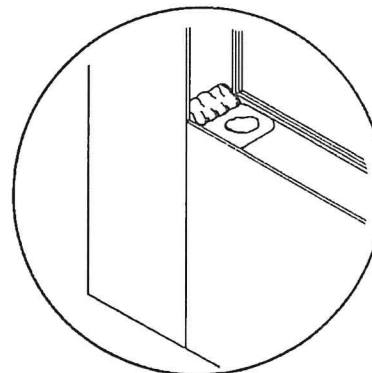
PICTORIAL VIEW



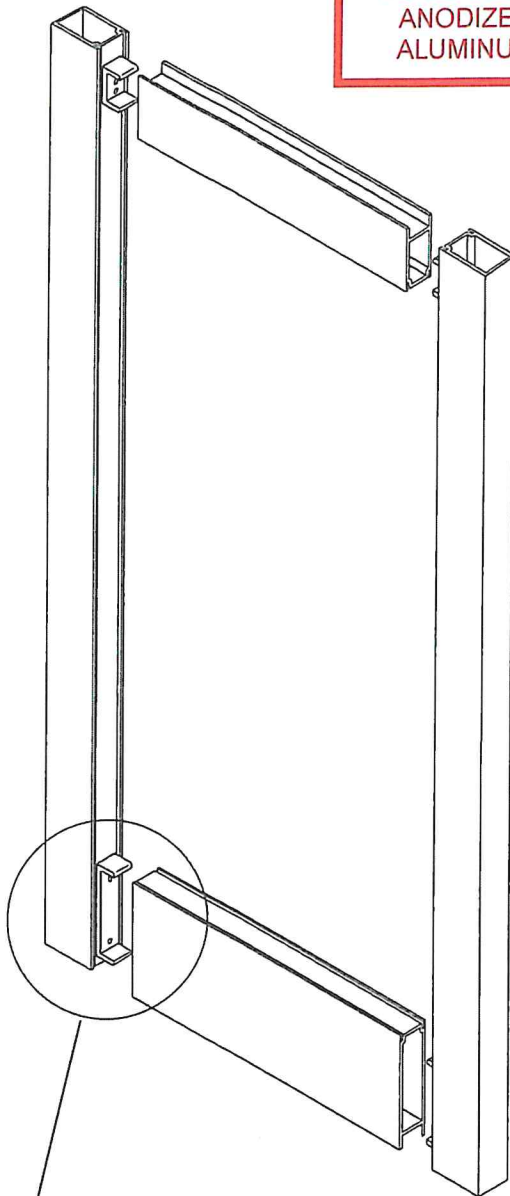
#1 **MECHANICAL FASTENING** is accomplished by attaching a 5/16" (7.9) thick extruded aluminum channel clip to the vertical stile with 1/4"-20 heat strengthened bolts and 3/16" thick steel nut plates for a high strength welding base for attachment horizontal member.



#2 **SIGMA* DEEP PENETRATION PLUG WELDS** are made top and bottom after the horizontal is properly positioned over the channel clip to help provide the strongest door corner joint currently available.



#3 **SIGMA* FILLET WELDS** along both top and bottom webs of the rail extrusion complete the welded corner construction.



DUAL MOMENT WELDED CORNER CONSTRUCTION

* An arc welding process known as Shielded Inert Gas Metal Arc (SIGMA) or also known as Metal Inert Gas (MIG).

KAWNEER
AN ALUCONIC COMPANY™

kawneer.com

ADMA010EN

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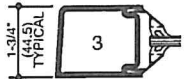
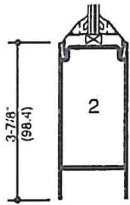
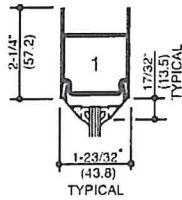
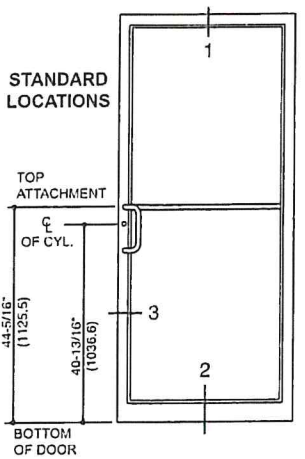
By: Kup

Kawneer reserves the right to change configurations without prior notice without obligation. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

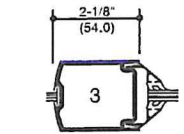
Kawneer, reserves the right to change configurations without prior notice without obligation. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Additional information and CAD details are available at www.kawneer.com

190 NARROW STILE

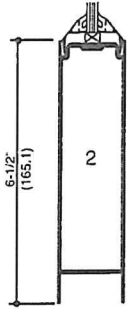
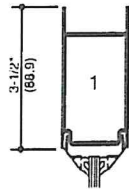
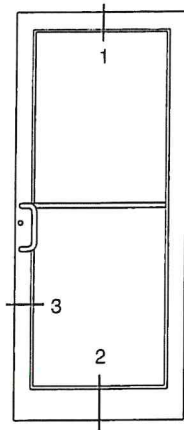


SINGLE ACTING

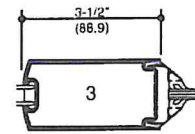


DOUBLE ACTING

350 MEDIUM STILE

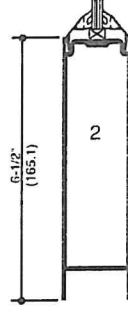
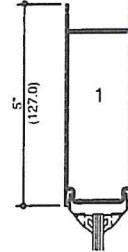
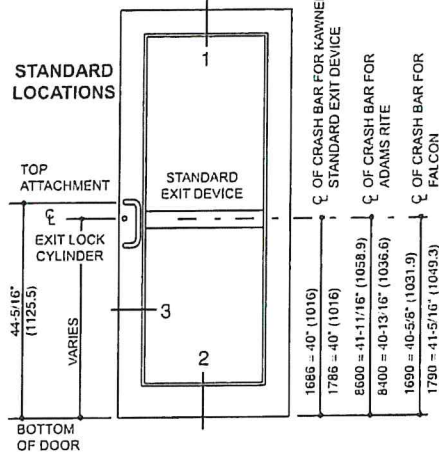


SINGLE ACTING

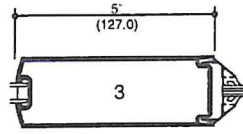


DOUBLE ACTING

500 WIDE STILE



SINGLE ACTING



DOUBLE ACTING

STANDARD EXIT DEVICE
 TOP ATTACHMENT
 EXIT LOCK CYLINDER
 BOTTOM OF DOOR
 44-5/16" (1125.5)
 VARIES
 1686 = 40" (1016)
 1786 = 40" (1016)
 8600 = 41-11/16" (1058.9)
 8400 = 40-13/16" (1036.6)
 1690 = 40-5/8" (1031.9)
 1790 = 41-5/16" (1049.3)

Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

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By: KMF

Design + Performance Versatility with Unmatched Fabrication Flexibility



Getsinger 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.

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By: huf

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.

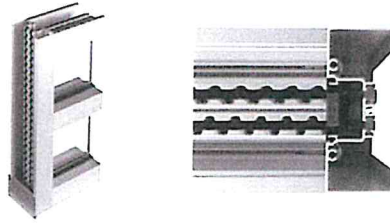
All systems can be flush glazed from either the inside or outside. The weatherseal option provides an alternative to SSG vertical mullions for Trifab® VersaGlaze® 450/451/451T. This ABS/ASA rigid polymer extrusion allows complete inside glazing and creates a flush glass appearance on the building exterior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

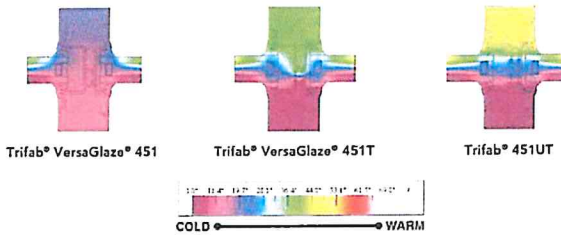
Kawneer's Isolock® thermal break technology creates a composite section, prevents dry shrinkage and is available on Trifab® VersaGlaze® 451T. For even greater thermal performance, a dual Isolock® thermal break is used on Trifab® 451UT.



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.

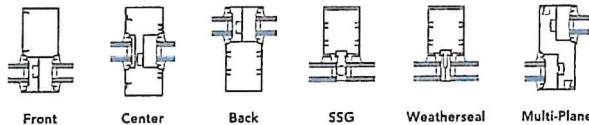
U-factor, CRF values and STC ratings for Trifab® framing systems vary depending upon the glass plane application. Project-specific U-factors can be determined for each individual project. (See the Kawneer Architectural Manual or Kawneer.com for additional information.)

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



Kawneer Company, Inc.
Technology Park, Atlanta
555 G. W. H. Drive, Suite 100
Norcross, GA 30092
770.424.5555
kawneer.com



ARCHITECTURAL SYSTEMS | ENTRANCES + FRAMING | CURTAIN WALLS | WINDOWS

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By: KMF

Product Data Sheet



FRAME
FINISH TO
BE CLEAR
ANODIZED
ALUMINUM



Solarban® R77 glass, with its exterior reflectance of 25 percent, is ideal for realizing façade and curtainwall designs intended to capture the visual character of the sky and ambient environment.

Solarban® R77 glass by Vitro Architectural Glass (formerly PPG Glass) reveals new design possibilities with its neutral-reflective, soft silver-blue aesthetic. Utilizing a magnetron sputtered vacuum deposition (MSVD) solar control, low-emissivity (low-e) coating, Solarban® R77 glass joins Vitro Glass's family of neutral-reflective low-e glasses to showcase reflectivity that is higher than that of Solarban® 67 glass but lower than that of Solarban® R100 glass.

Thanks to its balanced, reflective visual quality, Solarban® R77 glass is ideal for realizing façade and curtainwall designs intended to capture the visual character of the sky and ambient environment.

Aesthetic Description

Offering a crisp, silver-blue exterior reflected color that is more subtle than Solarban® R100 glass's steel-gray look but more pronounced than that of Solarban® 67 glass, Solarban® R77 glass adds depth and character to vision glazing. Solarban® R77 glass has an exterior reflectance of 25 percent and softens the green hue of conventional clear glass.

On the building interior, Solarban® R77 glass enables daylighting that has a natural and neutral appearance. With interior reflectance of only 16 percent, Solarban® R77 glass offers crisp, lively views of the outdoors.

Performance Characteristics

Solarban® R77 glass is formulated to meet increasingly stringent mandates for energy and environmental performance required by contemporary energy codes. Its Solar Heat Gain Coefficient (SHGC) of 0.25 satisfies fenestration performance requirements for all climate zones in the United States and Canada under ASHRAE 90.1 standards.

As an MSVD coating, Solarban® R77 glass is engineered to offer exceptional levels of solar control performance while delivering a high degree of transparency. In a standard one-inch insulating glass unit (IGU) with conventional clear glass, Solarban® R77 glass offers a Visible Light Transmittance (VLT) of 47 percent.

Solarban® R77 glass is available on clear glass, as well as Vitro Glass's full range of low-iron and tinted glass substrates.

Supporting Sustainable Design

Vitro Architectural Glass provides abundant opportunities for architects and building owners to realize their sustainability objectives.

Energy Use & Operating Cost Reduction: High-performance glasses by Vitro are engineered to facilitate downsized mechanical equipment costs, leading to reduced long-term energy costs. Visit tools.vitroglazings.com for glass comparison and configuration tools for analyzing glass products.

Sustainability Documentation: Vitro Architectural Glass is the first U.S. float glass manufacturer to have its entire selection of products recognized by the *Cradle to Cradle Certified™* program, and the first in North America to publish third-party verified Environmental Product Declarations (EPDs) for its Flat Glass and Processed Glass products.

For additional credit opportunities and supporting documentation, visit vitroglazings.com/LEED

LEED® Credit Opportunities

Possible Points	LEED Credit	Solarban® R77 Feature	Path/Option Satisfied
18	Energy & Atmosphere (EA) Optimize Energy Performance	Excellent SHGC, U-value and Tvis performance	Whole Building Energy Simulation (Option 1) or Prescriptive Compliance: ASHRAE Advanced Energy Design Guide (Option 2)
5	Innovation (IN) Innovation in Design	Exceeds minimum performance mandated by local energy codes	Innovation (Option 1), Pilot (Option 2) and Exemplary Performance (Option 3)

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By: KUF

Solarban® R77 Glass

Fabrication and Availability

Solarban® R77 glass is available through the Vitro Certified™ Network. Vitro Certified™ Fabricators can meet tight construction deadlines and accelerate the delivery of replacement glass before, during and after construction. Solarban® R77 glass is manufactured using the sputter-coating process and must be heat-treated. It is not available annealed, even in laminated applications.



Solarban® R77 glass's superior color neutrality is accentuated with white blinds drawn.

Insulating Glass Unit Performance Comparisons 1-inch (25 mm) units with 1/2-inch (13 mm) airspace and two 1/4-inch (6 mm) lites								
Outdoor Lite: Coating if Any (Surface) Glass	Glass Type + Indoor Lite: Coating if Any (Surface) Glass	Visible Light Transmittance (VLT)%	Visible Light Reflectance		(BTU/hr·ft²·°F) NFRC U-Value		Solar Heat Gain Coefficient (SHGC)	Light to Solar Gain (LSG)
			Exterior %	Interior %	Winter Nighttime	Winter Argon		
Solarban® R77 Neutral-Reflective Low-E Glass								
	Solarban® R77 (2) Clear + Clear	47	25	16	0.29	0.24	0.25	1.88
	Solarban® R77 (2) Acuity™ + Acuity™	49	26	16	0.29	0.24	0.25	1.96
	Solarban® R77 (2) Starphire® + Starphire®	50	26	16	0.29	0.24	0.25	2.00
	Solarban® R77 (2) Solalexia® + Clear	41	20	16	0.29	0.24	0.23	1.78
	Solarban® R77 (2) Atlantica® + Clear	35	16	16	0.29	0.24	0.20	1.75
	Solarban® R77 (2) Azuria® + Clear	36	17	16	0.29	0.24	0.21	1.71
	Solarban® R77 (2) Optiblox® + Clear	34	15	16	0.29	0.24	0.21	1.62
	Solarban® R77 (2) Solarblue® + Clear	30	13	16	0.29	0.24	0.20	1.50
	Solarban® R77 (2) Pacifica® + Clear	23	9	15	0.29	0.24	0.17	1.35
	Solarban® R77 (2) Solarbrnze® + Clear	28	12	16	0.29	0.24	0.19	1.47
	Solarban® R77 (2) Optigray® + Clear	33	15	16	0.29	0.24	0.21	1.57
	Solarban® R77 (2) Solargray® + Clear	23	10	15	0.29	0.24	0.18	1.28

All performance data calculated using LBNL Window 7.3 software and represents center of glass performance data. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit vitroglazings.com or request our Architectural Glass Catalog.

For more information about Solarban® R77 low-e glass and other Cradle to Cradle Certified™ architectural glasses by Vitro Glass, visit vitroglazings.com, or call 1-855-VTRO-GLS (887-6457).

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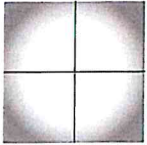


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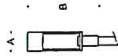
By: KWF



Symmetric



Asymmetric wide beam



Pole-top luminaires · symmetric

Lamp	A	B
77175 31.0 W LED	6°	25°

Pole-top luminaires · asymmetric wide beam

Lamp	A	B
77176 31.0 W LED	6°	25°



Pole-top luminaires · symmetric

Lamp	A	B
77164 31.0 W LED	10°	25°

Pole-top luminaires · asymmetric wide beam

Lamp	A	B
77165 31.0 W LED	10°	25°

Pole-top luminaires

Asymmetric or asymmetric wide beam light distribution

Asymmetric light distribution is ideal for illuminating squares, plazas and other open areas. While the asymmetric wide beam light distribution is ideal for illuminating streets and highways.

Extruded aluminum · Clear acrylic diffuser
or made of pure anodized aluminum

or temperatures: 2700 K, 3000 K, 3500 K, 4000 K

Luminaires offer a minimum service life of 60,000 hours, with suitable LED replacement is guaranteed for up to 20 years after date of purchase. Further LED technical data including luminous flux, CRI, dimming and electrical characteristics are provided on the luminaire specification sheets, available at www.bega-us.com

A standard finish is matte, textured powder coat with minimum 3 mil thickness. Inludure® finish, a fluoropolymer technology, provides superior fade protection in bronze, and Silver BEGA standard White, as well as optionally available RAL and colors, are a polyester powder.

Suitable to North American standards · Suitable for wet locations · Protection class IP 65

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By: KUF

Pole top luminaires with symmetrical light distribution

Housing/fitter: Die-cast and extruded aluminum construction. The fixture slip fits a 3" O.D. pole top or tenon and is secured by six (6) socket head stainless steel set screws threaded into stainless steel inserts. Die castings are marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy.

Enclosure: Clear acrylic diffuser and reflector made of pure anodized aluminum held in place by die-cast aluminum frame and stainless steel rods. Fully gasketed for weather tight operation using a molded silicone rubber gasket.

Electrical: 31.0W LED luminaire, 36.0 total system watts, -30°C start temperature. Integral 120V through 277V electronic LED driver, 0-10V dimming. LED module(s) are available from factory for easy replacement. Standard LED color temperature is 4000K with a >80 CRI. Available in 3000K (>80 CRI); add suffix K3 to order.

Note: LEDs supplied with luminaire. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to www.bega-us.com.

Finish: All BEGA standard finishes are polyester powder coat with minimum 3 mil thickness. Available in four standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV). To specify, add appropriate suffix to catalog number. Custom colors supplied on special order.

CSA certified to U.S. and Canadian standards, suitable for wet locations. Protection class IP65

Weight: 11.0 lbs.

EPA (Effective projection area): 1.1 sq. ft.

Luminaire Lumens: 3370



Pole-top luminaires - symmetrical

Lamp	A	B
77 175 31.0W LED	6 $\frac{3}{8}$	25 $\frac{1}{2}$

* recommended for use with poles 12' to 18'

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 FAX (805) 566-9474 www.bega-us.com
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Type:
BEGA Product:
Project:
Voltage:
Color:
Options:
Modified:



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By: KMF

Type:
 Project:
 Options:
 Modified:
 Luminaire:
 Fixture EPA:
 Optional Tenon: $\square 2\frac{3}{8}" \phi \times 3\frac{1}{2}"$ H or $3" \phi \times 4\frac{1}{2}"$ H
 GCO: \square
 GFI: \square

Approval:

958HR 4" Straight round hinged pole

Wall thickness: .125"

Shaft: Extruded from all new seamless 6063 aluminum alloy tubing, heat treated to a T-6 condition.

Anchor base: Round cast aluminum A356 alloy, heat treated to a T-6 condition. Anchor base and shaft continuously welded at the outside top and inside bottom of the anchor base casting. Pole base to be round hinged two piece casting. Hinge Pole shaft to be welded to upper base casting which is secured to lower base casting by three (3) stainless steel bolts. Bolts to be fastened to cast-in stainless threaded inserts in lower casting. Cast round two piece base cover supplied with pole.

Anchor bolts: Four (4) $\frac{3}{4}" \times 17"$ galvanized steel anchor bolts supplied with double nuts and flat washers. Maximum bolt projection $3\frac{1}{2}"$.

GCO/GFI: Standard GCO/GFI location is opposite the hinge.

Height above base for ballast in luminaires is 18". For single luminaires with a pole base mounted (PBM) ballast the minimum height is 24" and 42" minimum for double PBM luminaires.

Weight: 43.0 lbs.

Disclaimer

BEGA-US warrants the specific anchor bolts and pole combination according to the product number(s) and description(s) indicated on this submittal sheet. Structural changes to the pole requested by the customer, including changes to pole length, may affect the compatibility of the anchor bolts and corresponding poles. BEGA-US is not responsible for the incompatibility of the anchor bolts and poles resulting from such structural changes without review by the BEGA-US engineering department. This includes, but is not limited to, any labor charges, charges for replacement materials and shipping.

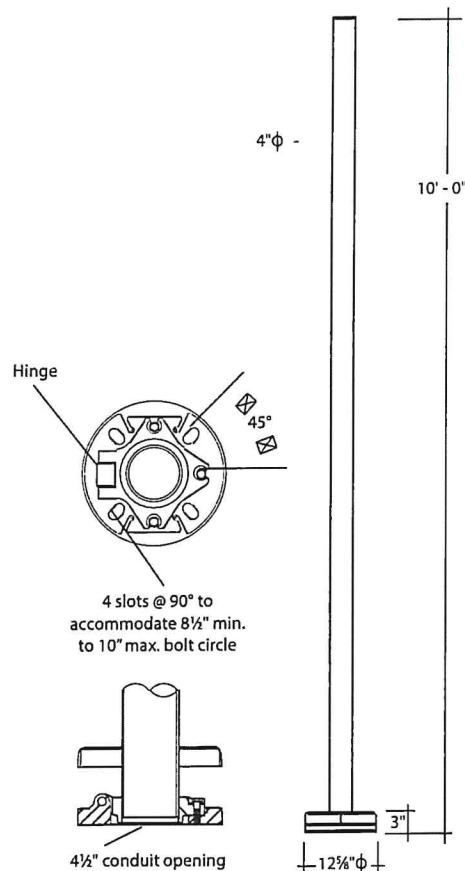
Pole wind load rating:
 MPH: 70 80 90 100 120

EPA: 11.2 8.2 6.1 4.7 3.0

Note: Data above assumes grade level installation and a maximum luminaire weight of 50 lbs.

BEGA-US 1000 BEGA Way, Carpinteria, CA 93013 [P] 805-684-0533 [F] 805-684-6682

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By UVF

Application

LED bollards with rotationally symmetrical light distribution designed to provide glare-free illumination perfect for squares, pathways and entrances. Provided with mounting system that allows the luminaire to be adjusted independent of anchor bolt orientation.

Materials

Luminaire housing and posts constructed of die-cast and extruded marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy

Clear safety glass

Reflector made of pure anodized aluminum

Silicone applied robotically to casting, plasma treated for increased adhesion

High temperature silicone gasket

Mechanically captive stainless steel fasteners

Anchorage constructed of galvanized steel

NRTL listed to North American Standards, suitable for wet locations

Protection class IP 65

Weight: 16.1 lbs

Electrical

Operating voltage 120-277V AC

Minimum start temperature -30°C

LED module wattage 19.4 W

System wattage 24.0 W

Controllability 0-10V dimmable

Color rendering index $Ra > 80$

Luminaire lumens 1,381 lumens (3000K)

Lifetime at $T_a = 15^{\circ}\text{C}$ 262,000 h (L70)

Lifetime at $T_a = 25^{\circ}\text{C}$ 144,000 h (L70)

LED color temperature

☐ 4000K - Product number + **K4**

☐ 3500K - Product number + **K35**

☐ 3000K - Product number + **K3**

☐ 2700K - Product number + **K27**

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors ☐ Black (BLK) ☐ White (WHT) ☐ RAL:
☐ Bronze (BRZ) ☐ Silver (SLV) ☐ CUS:



Bollard - rotationally symmetrical

	LED	A	B	Anchorage
84 061	19.4 W	6 1/4"	39 3/4"	79 817



BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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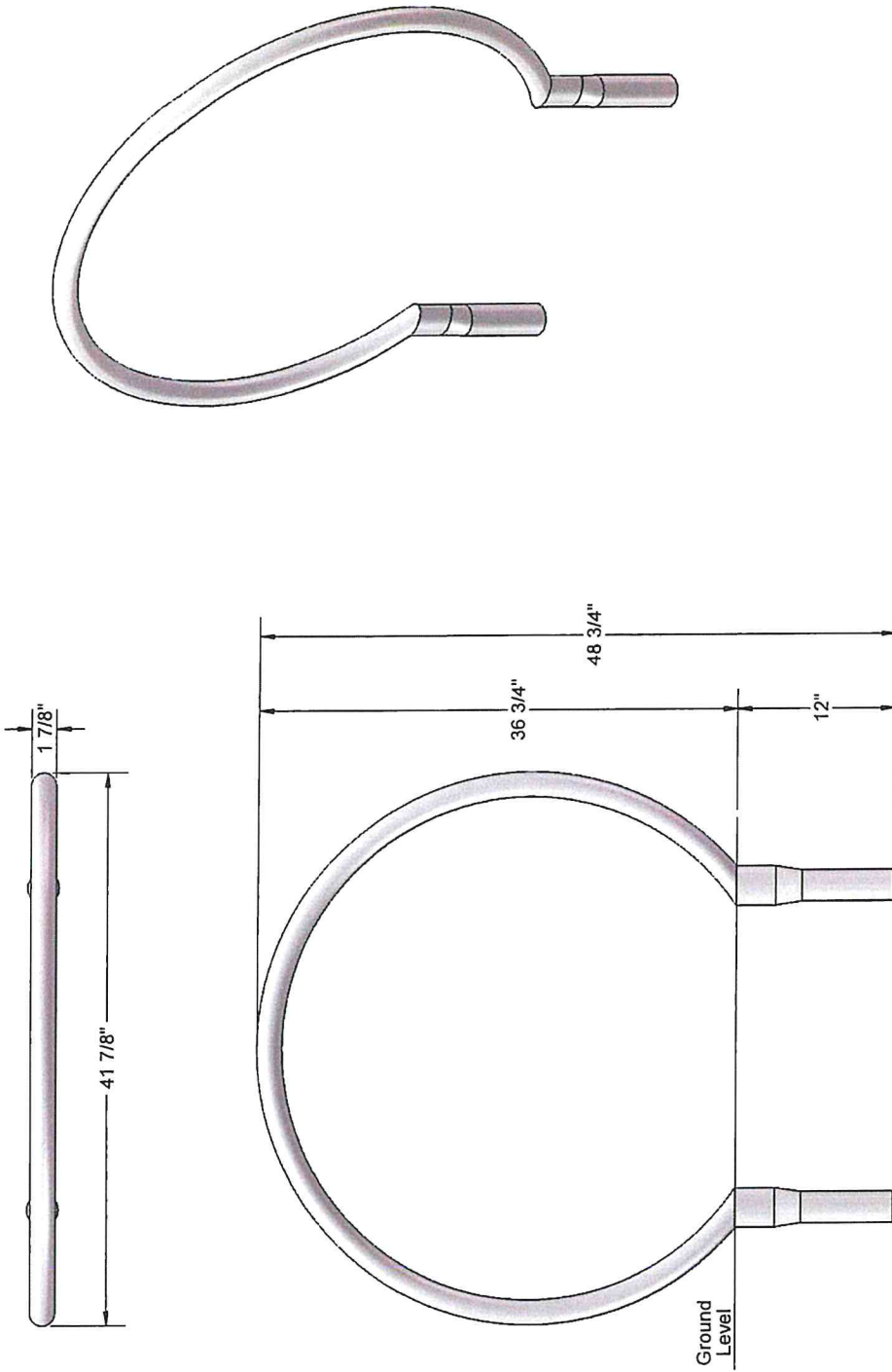
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By KMF

INSTRUCTIONS



ultra site
A. S. FALLOUXE & SONS

800-45-ULTRA

www.ultra-site.com

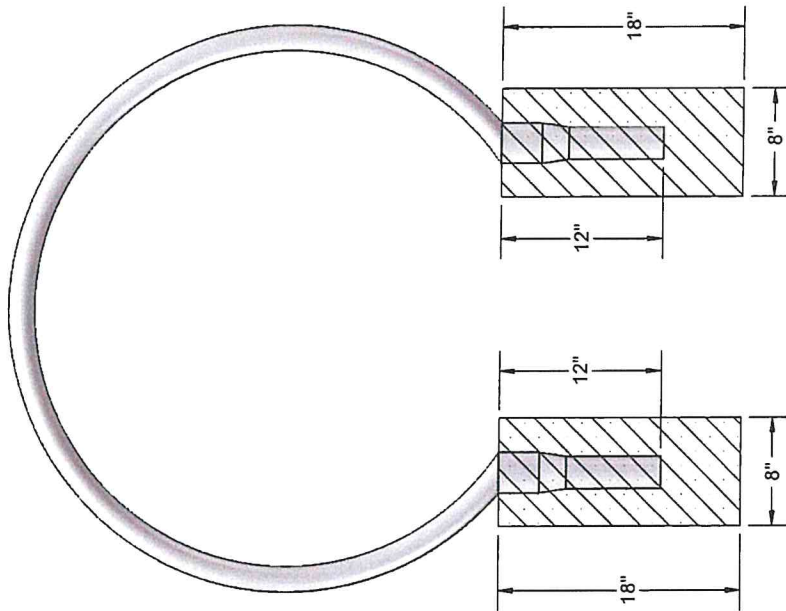
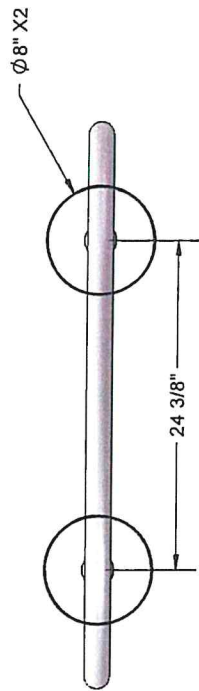
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By KMF

INSTRUCTIONS



Estimated Required Concrete:
3 - 50lb Bags of Concrete Mix



800-45-ULTRA

www.ultra-site.com

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By KMF



Alumilite Insulated Glass Product Data Sheet

Residential Skylight



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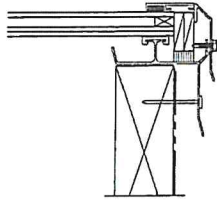
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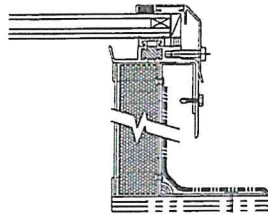
By: KMF

Application

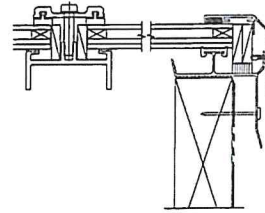
Alumilite skylight shall be model No. _____ as manufactured by Kingspan Light + Air, Santa Ana, CA. Skylights shall be fully factory assembled consisting of glass (see below) that is sealed by interior and exterior gasketing to a frame fabricated from 6063-T5 heliarc welded aluminum which has an integral condensate channel to carry moisture to the exterior. Skylights can come with option of 2 glass panels divided by a central aluminum mullion. The aluminum retaining cap fasteners are to be corrosion resistant. An AAMA Compliant polyurethane thermal break material is utilized in the thermally broken curb frame to prevent thermal losses through the frame and the formation of condensation on its interior surfaces. The base frame shall be installed on a 1-1/2" wide curb furnished by others. The thermally broken self flashing frame is fabricated from aluminum with a 2-3/4" roof nailing flange and 1" of insulation inside a PVC frame with a white aluminum liner on the interior.



GAL - Aluminum framed skylight with glass. Available as curb mounted only.



GALT - AAMA Compliant thermally broken aluminum framed skylight with glass. Available as curb mounted or self flashing. (*Self flashing model shown*)



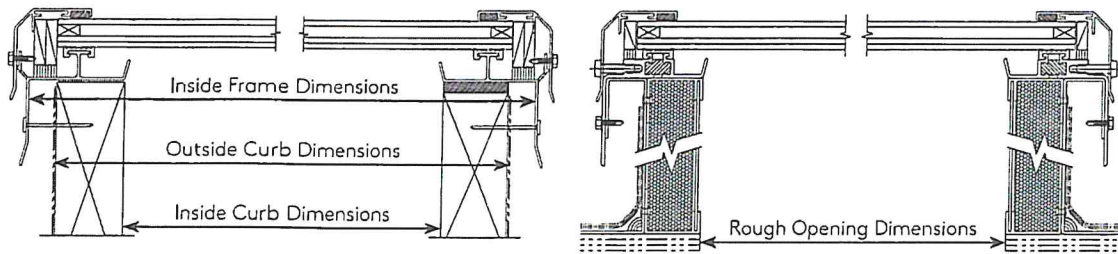
GALM - Aluminum framed skylight with two glass panels and a central mullion. Available as curb mounted only.

Certificate of Appropriateness

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By KMF

Dimensions



Curb Mounted

Self Flashing

Dimensions

Model Size	Inside Curb Dimensions	Outside Curb Dimensions	Glass Type	Model Size	Inside Curb Dimensions	Outside Curb Dimensions	Glass Type
1414	14 1/4" x 14 1/4"	17 1/4" x 17 1/4"	A	1422	14 1/4" x 22 1/4"	17 1/4" x 25 1/4"	A
1919	19" x 19"	22" x 22"	A	1446	14 1/4" x 46 1/4"	17 1/4" x 49 1/4"	A
2222	22 1/4" x 22 1/4"	25 1/4" x 25 1/4"	A	2230	22 1/4" x 30 1/4"	25 1/4" x 33 1/4"	A
3030	30 1/4" x 30 1/4"	33 1/4" x 33 1/4"	A	2237	22 1/4" x 37"	25 1/4" x 40"	A
3636	36" x 36"	39" x 39"	A	2246	22 1/4" x 46 1/4"	25 1/4" x 49 1/4"	A
3737	37" x 37"	40" x 40"	A	2272	22 1/4" x 72"	25 1/4" x 75"	A
4242	42" x 42"	45" x 45"	C	2296	22 1/4" x 96"	25 1/4" x 99"	B-1
4646	46 1/4" x 46 1/4"	49 1/4" x 49 1/4"	C	2448	24" x 48"	27" x 51"	A
4848	48" x 48"	51" x 51"	C	2496	24" x 96"	27" x 99"	B-1
				3037	30 1/4" x 37"	33 1/4" x 40"	A
				3046	30 1/4" x 46 1/4"	33 1/4" x 49 1/4"	A
				3069	30 1/4" x 69 1/2"	33 1/4" x 72 1/2"	B-1
				3096	30 1/4" x 96"	33 1/4" x 96"	B-HS
				3746	37" x 46 1/4"	40" x 49 1/4"	B-AN
				3775	37" x 75"	40" x 78"	B-HS
				3859	38" x 59"	41" x 62"	B-1

Note: Call for additional sizes.
Minimum pitch of 3:12 is required for all flat glass models.

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Technical Specifications

Example Model Number

4242-GAL-CM-I-TB-LC-LE-BA

Features

1. Extruded 6063-T5 aluminum frame
2. Curb mounted (CM) or Self flashing (SF) (*GALT model only*)
3. Glass glazing
4. Insulated base frame (*Self flashing models only*)
5. Double wall base frame construction (*Self flashing models only*)
6. UL Listed santoprene thermoplastic gaskets
7. Black butyl retainer cap sealant
8. Polyurethane glazing sealants

Skylight Options

1. EPDM curb seal tape (T)
2. Standard glazing options:
 - a. Bronze (TB)
 - b. Clear (TC)
 - c. Grey (TG)
 - d. White (TW)
3. Bronze anodized (BA), Clear anodized (CA) or Mill finish (MF) are as standard (*Custom, or specialized paint available upon request*)
4. Low-E glass (LE)
5. White laminated glass (LW)

Self Flashing Curb Options

1. Curb heights*:
 - a. 9"
 - b. 12"
 - c. 18"
- *Custom heights available upon request

Glass Type

A | 5/8" thick overall
(1/8" tempered, 1/4" air space, 1/4" annealed lami.)

B-AN | 15/16" thick overall
(1/8" tempered, 3/8" air space, 7/16" annealed lami.)

B-1 | 1" thick overall
(3/16" tempered, 3/8" air space, 7/16" annealed lami.)

B-HS | 1" thick overall
(3/16" tempered, 3/8" air space, 7/16" h.s. lami.)

C | 1-3/16" thick overall
(1/4" tempered, 1/2" air space, 7/16" h.s. lami.)

Light Transmittance & Thermal Properties*

Glass Type	Exterior Appearance	VLT	SHGC	U-Factor
Clear	Clear	80%	0.82	0.49
Clear Low-E	Reflective	76%	0.67	0.27
White	Milky	68%	0.53	0.47
White Low-E	Milky	65%	0.48	0.30
Bronze	Tinted	46%	0.44	0.47
Bronze Low-E	Tinted	45%	0.38	0.29
Grey	Tinted	43%	0.44	0.47
Grey Low-E	Tinted	37%	0.28	0.27

*Values may vary slightly depending on unit size and specification

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WUP

Kingspan Light + Air

North America - California Operation
401 East Goetz Avenue,
Santa Ana, California 92707
Toll Free: +1 (800) 854 8618
T: +1 (714) 540 8950
F: +1 (714) 540 5415
E: info@kingspanlightandair.us.com
www.kingspan.com/us

For the product offering in other markets please
contact your local sales representative or visit
www.kingspan.com/us

Notes

Most Kingspan Light + Air skylights are available with either zinc plated steel or architectural grade 6061-T6 aluminum frames. Frame types include: curb mount, self flashing (curb mount with an integral curb), or curb mount with a separate structural curb. All frames are designed with condensation gutters and non-clog weep holes. Frame options include: AAMA compliant thermal breaks, 1" polyisocyanurate insulation, double wall, wind rafter, louvers, rain guards, and custom outside/inside curb, curb height and rafter dimensions. Most glazings are available in alternative dome shapes including: bubble, radial triangle, pyramid and double hip except Energy Star Fiberglite.

Performance information obtained by testing glazing materials, dome sets and skylights to NFRC, NAFS, ICC, AAMA, U.L., FM, IF5 and ASTM standards by Kingspan Light + Air, material suppliers and independent third party laboratories.

OSHA compliance and other test results are for specific outer dome thicknesses.

For additional technical information and/or daylighting systems design consultation, contact Kingspan Light + Air for your specific needs. Care has been taken to ensure that the contents of this publication are accurate, but Kingspan Limited and its subsidiary companies do not accept responsibility for errors or for information that is found to be misleading. Suggestions for, or description of, the end use or application of products or methods of working are for information only and Kingspan Limited and its subsidiaries accept no liability in respect thereof.

Kingspan_Alumilite_Glass_GAL_US_Product_Data_Sheet_US_EN_R1



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By KMF



The City of OKLAHOMA CITY

HISTORIC PRESERVATION AND HISTORIC LANDMARK CERTIFICATE OF APPROPRIATENESS **MINOR REVISION** **HPCA-21-00169 R-1**

Owner: Freedom Center, Inc.
Leonard Benton
PO Box 36421
Oklahoma City, OK 73136

Representative: Bockus Payne Architecture
Collin Fleck
1001 NW 63rd Street, Ste 300
Oklahoma City, OK 73116

The Planning Department staff received your request for a revision to the previously approved Certificates of Appropriateness for the property located at **2609 N Martin Luther King Ave.**

In accordance with the §59-4250.4.J of the City of Oklahoma City Municipal Code, also known as the Historic Preservation Ordinance, Planning Department staff has reviewed in detail the application and determined that the following items are in conformance with the provisions of the Historic Preservation Ordinance and the Design and Sustainability Standards and Guidelines for Oklahoma City Historic Districts:

To revise the previously approved application to: **to 20) Modify parking area, bike rack placement, and paving (elective); 21) Eliminate previously-approved concealed gutters (elective); 22) Modify size of new windows on rear elevation (elective); 23) Eliminate previously-approved skylight (elective).**

Approved: March 14, 2022
Effective: March 29, 2022
Expiration: December 16, 2022

The enclosed 11 attachment(s) must remain attached for this document to be valid.

Attest: 
Katie McLaughlin Friddle,
Historic Preservation Officer
City of Oklahoma City, Planning Department

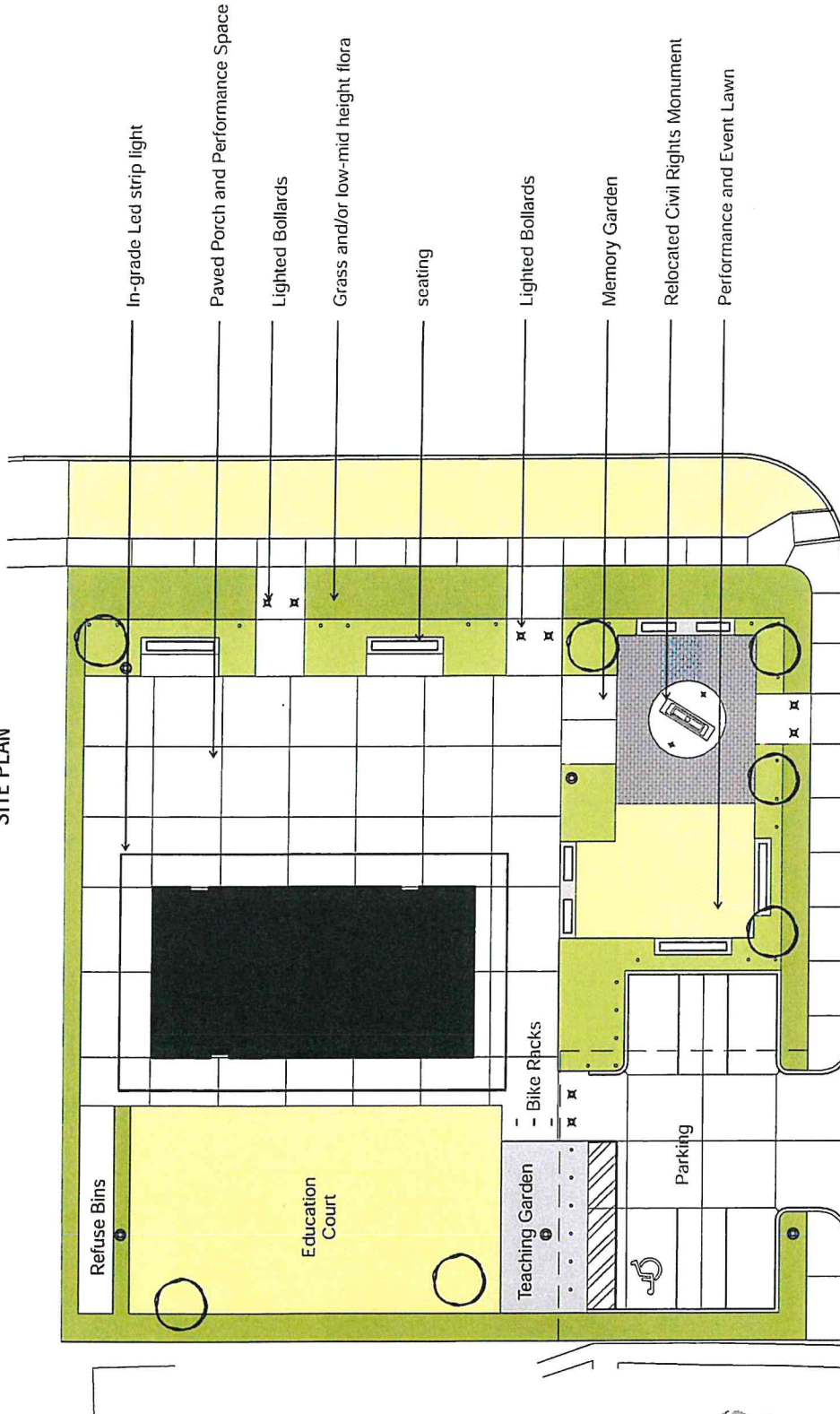
Please contact the Planning Department (405/297-1831) for final inspection of your design review project upon completion.

Your project may require a permit. Please check with the Plan Review section of the Development Services Department, 8th Floor, 420 W Main St (405/297-2525), for details. To obtain a permit, please submit the Certificate of Approval with the original attachments stamped "approved." Please contact the Planning Department (405/297-1831) for inspection of your final design review project upon completion.

DECEMBER 1, 2021

Revision #1: 2-16-22

SITE PLAN



ADDED (3) PARKING SPACES
MODIFIED CONCRETE PAVING
REDUCED CONCRETE PAVEMENT SCOPE
REDUCED BIKE RACK QTY TO (3)

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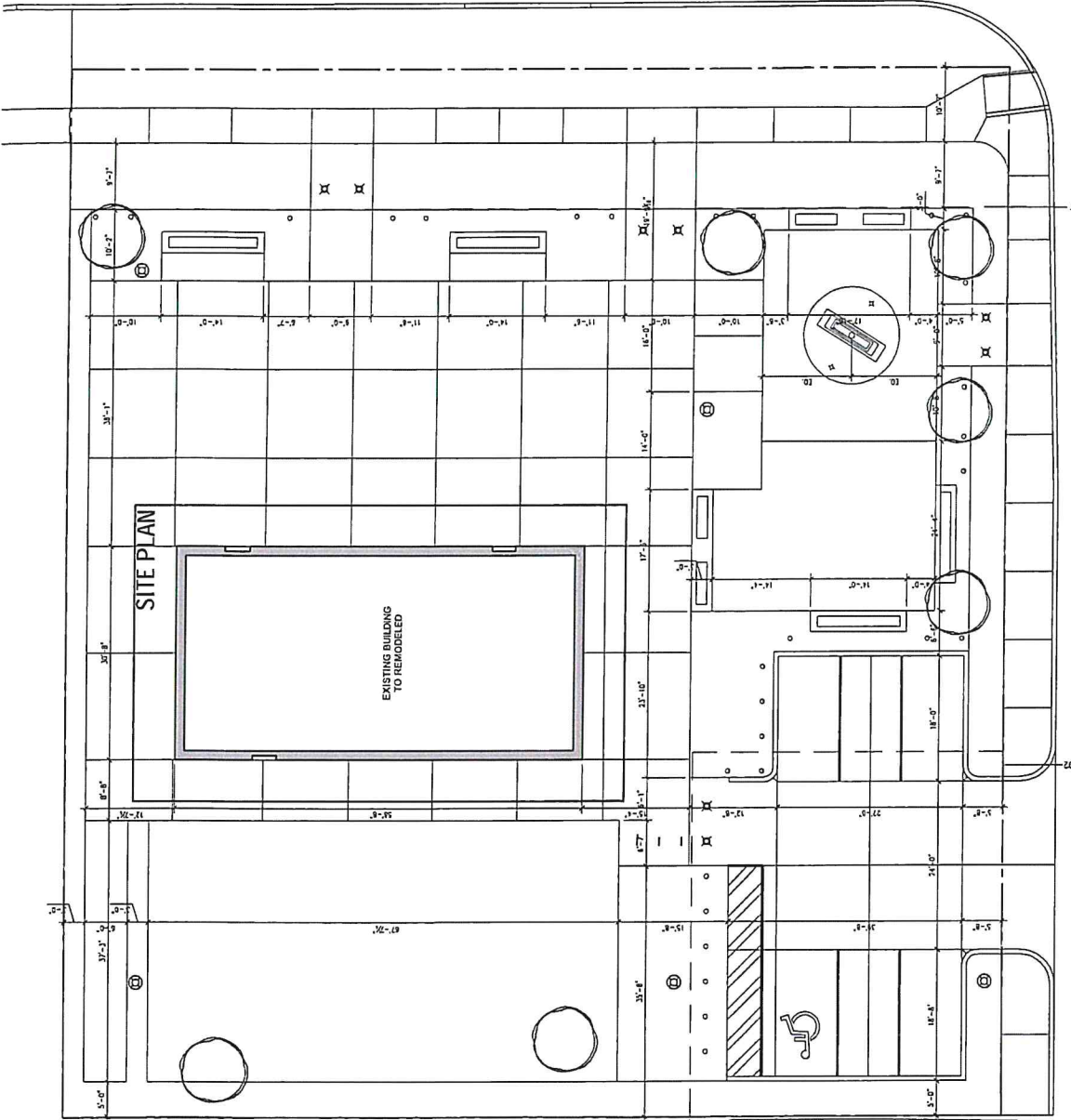
By WUR

ATLIER CORY HENRY | BOCKUS PAYNE

FREEDOM CENTER RENOVATION // 2609 N MLK AVE
HISTORIC PRESERVATION // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

DECEMBER 1, 2021

Revision #1: 2-16-22



REVISED ALL DIMENSIONS

BY THE CITY OF HENRY ORDINANCE 25.992



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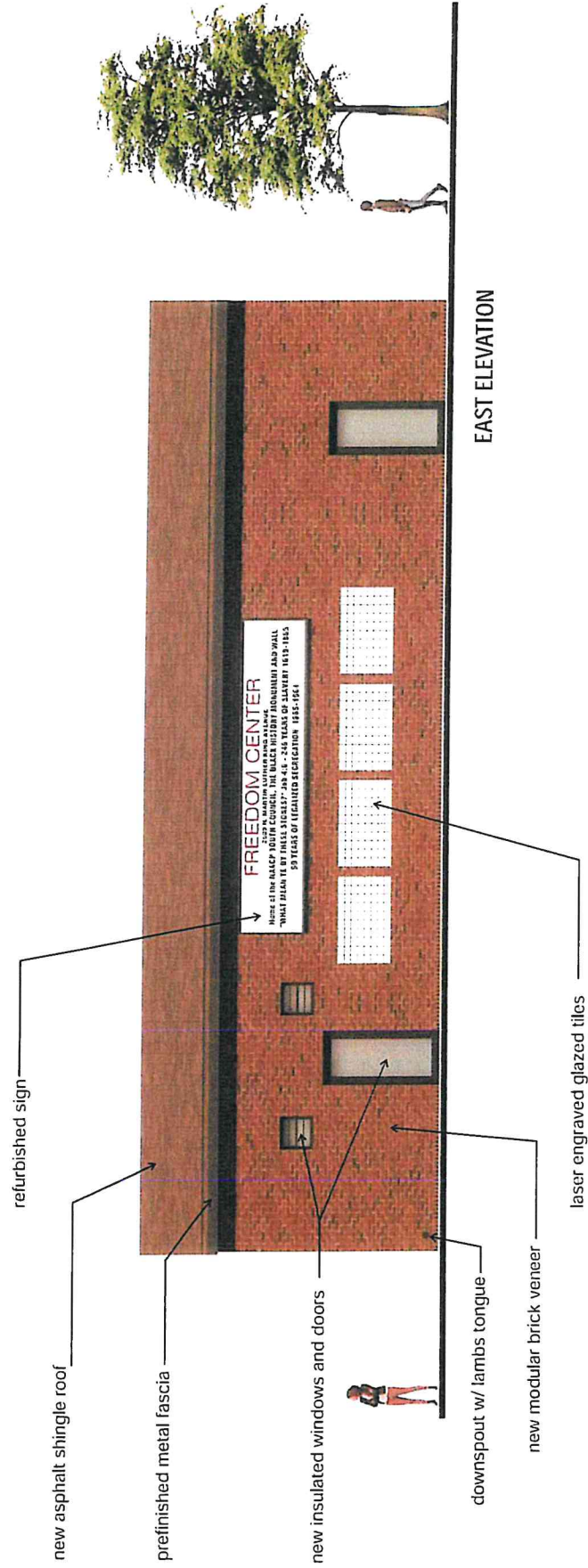
By: WLF

FREEDOM CENTER RENOVATION // 2609 N MLK AVE
HISTORIC PRESERVATION // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

ATELIER CORY HENRY | BOCKUS PAYNE

DELETED CONCEALED GUTTER & DOWNSPOUTS

BUILDING ELEVATIONS



EAST ELEVATION

ATELIER CORY HENRY

BOCKUS PAYNE

IPCA

21 - 0064 R-1

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Expiration: 12/16/22

Notes:

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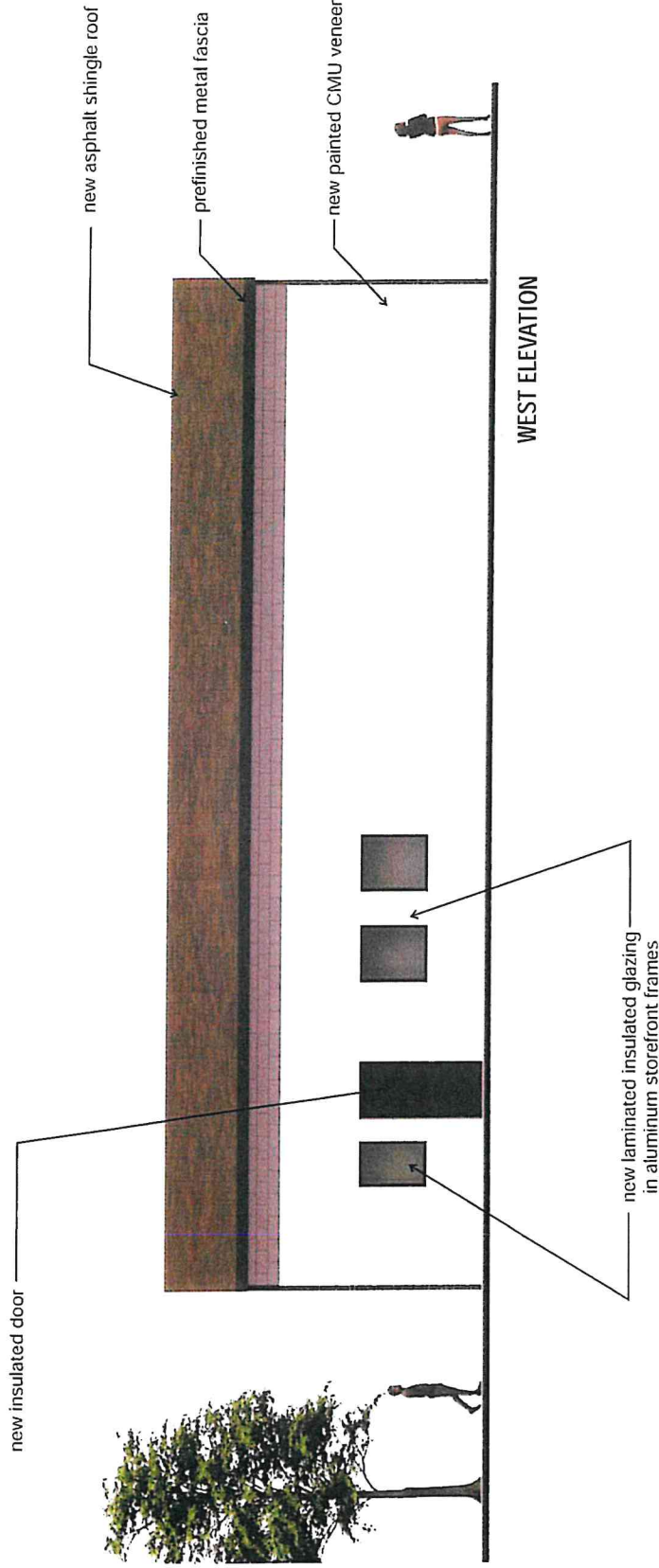
Historic Preservation // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

By

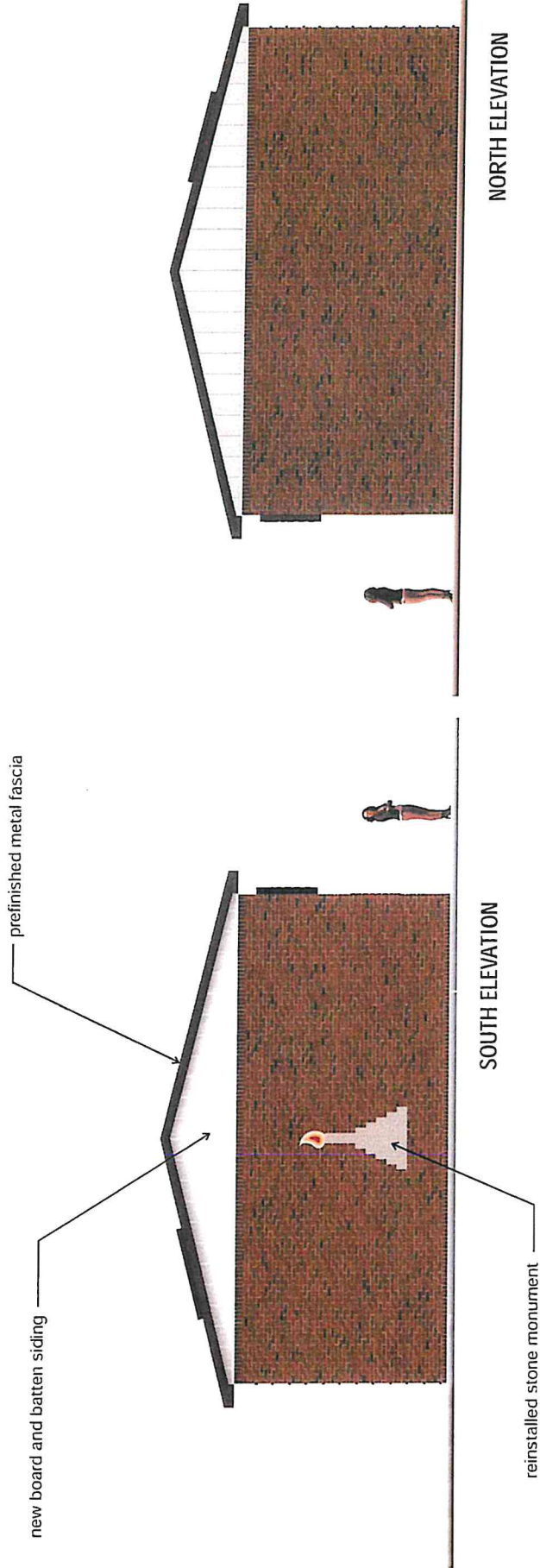
huf

BUILDING ELEVATIONS

DELETED CONCEALED GUTTER & DOWNSPOUTS
CHANGED TO PAINTED CMU VENEER
MODIFIED WINDOW SIZES
DELETED SKYLIGHTS



BUILDING ELEVATIONS



ATELIER CORY HENRY | BOCKUS PAYNE

Certificate of Appropriateness

FREEDOM CENTER RENOVATION // 2609 N MLK AVE

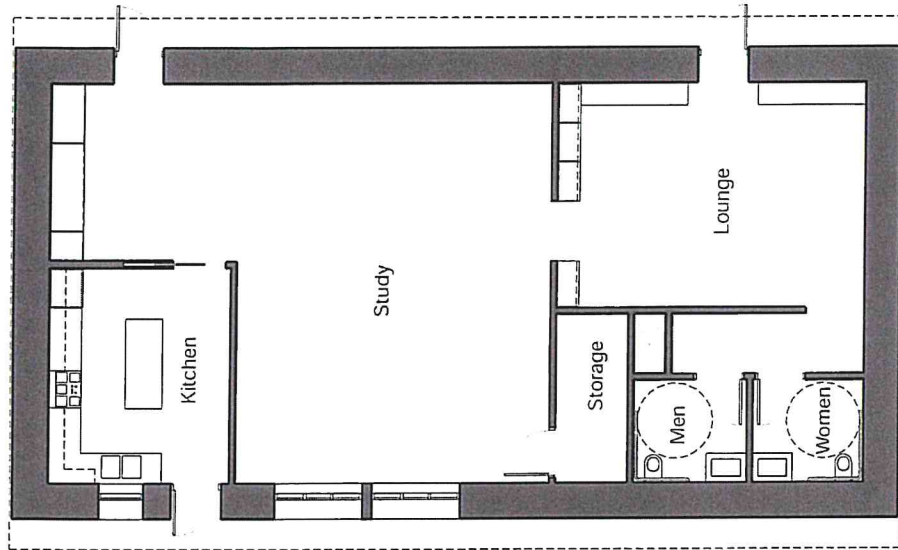
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Notes:

By JWH

FLOOR PLAN



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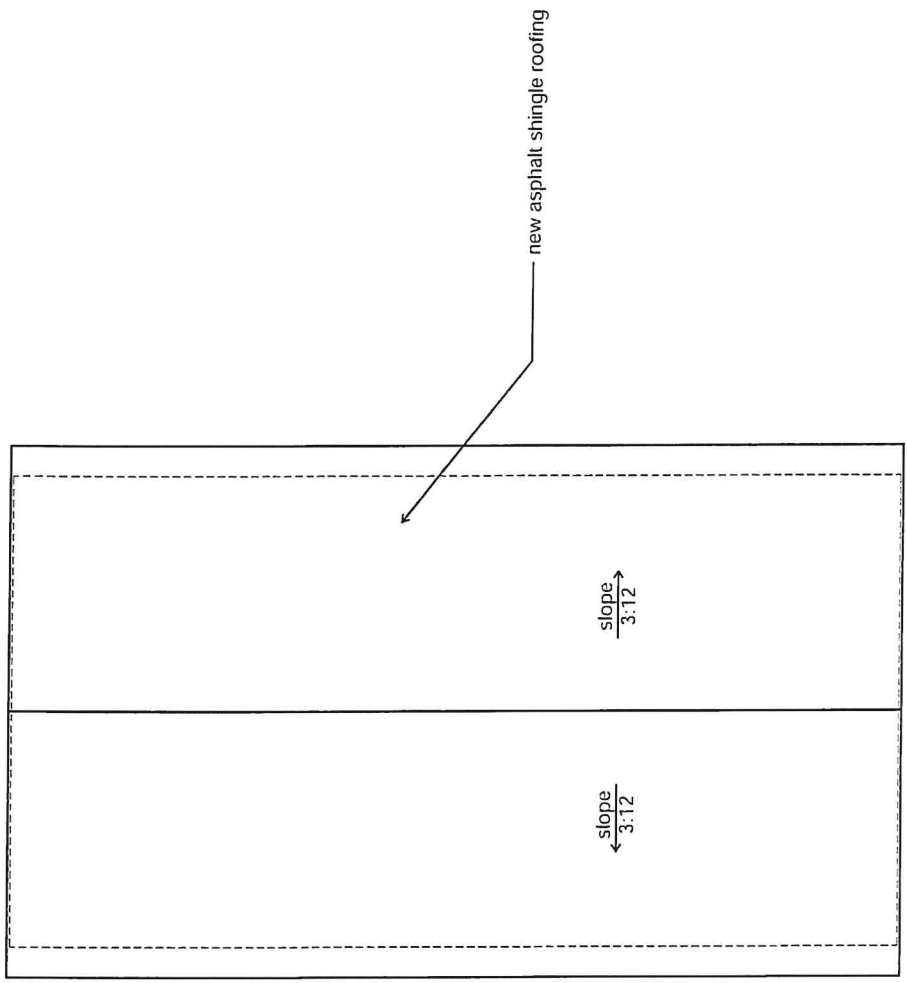
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Rv 1111F

ATELIER CORY HENRY | BOCKUS PAYNE

DELETED SKYLIGHTS
DELETED CONCEALED GUTTER

ROOF PLAN



new asphalt shingle roofing

slope
3:12

slope
3:12

FREEDOM CENTER RENOVATION // 2609 N MLK A
HISTORIC PRESERVATION // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

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By WHP

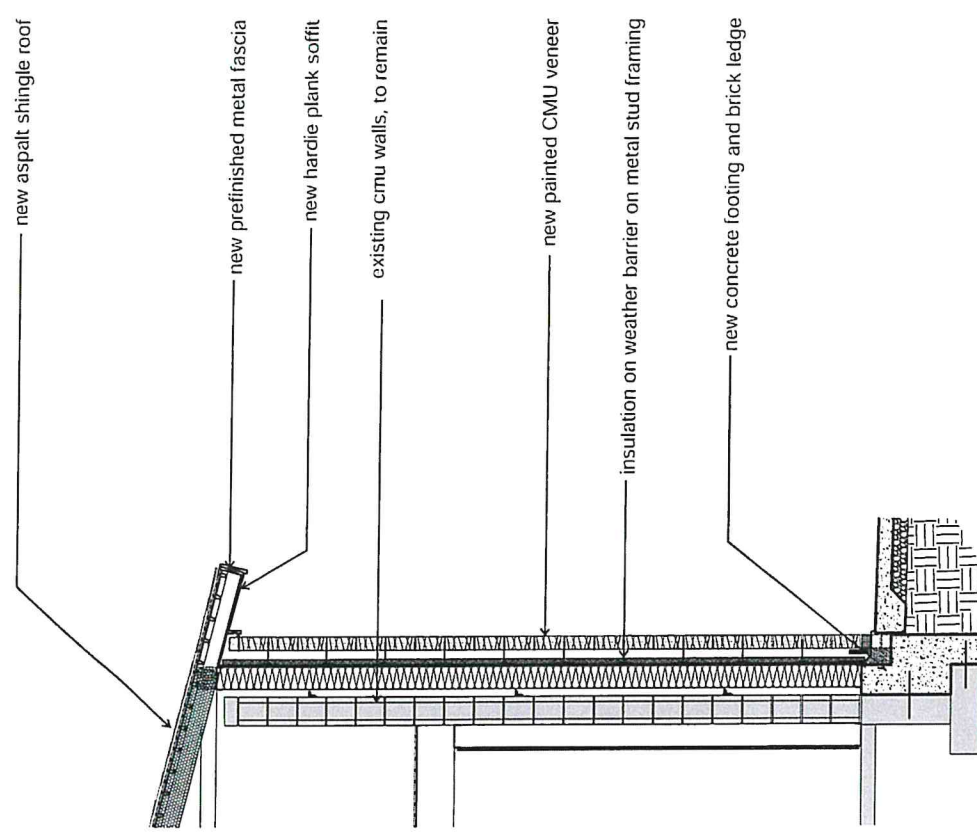
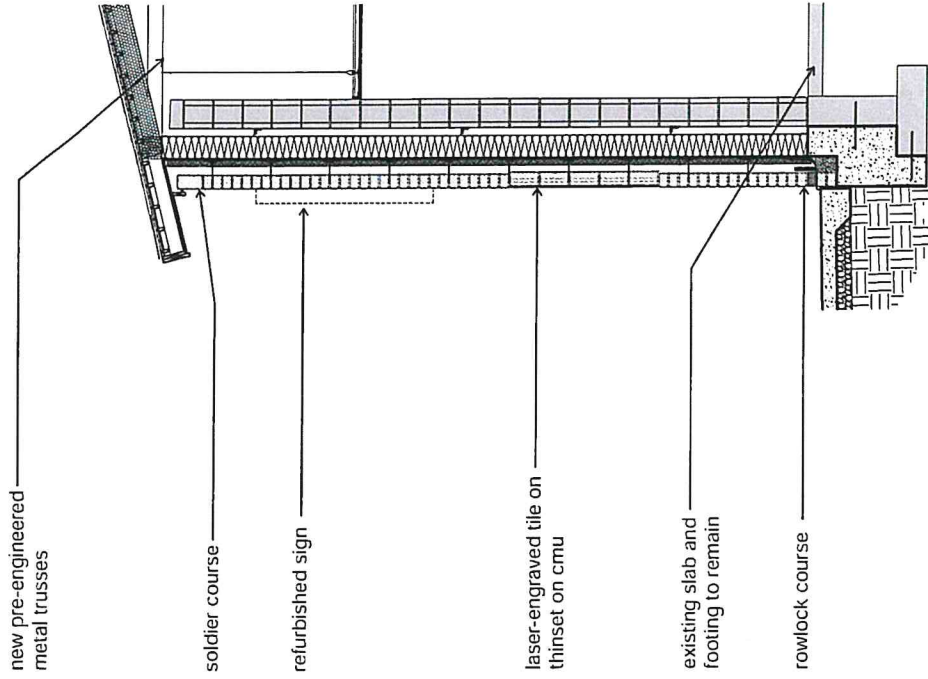
ATELIER CORY HENRY | BOCKUS PAYNE

⚠
 DELETED CONCEALED GUTTER & DOWNSPOUTS
 CHANGED TO PAINTED CMU VENEER ON WEST
 MODIFIED WINDOW SIZES
 MODIFIED EAVE SECTION TO BE MORE ACCURATE

DECEMBER 1, 2021

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WALL SECTIONS



ATELIER CORY HENRY | BOCKUS PAYNE

FREEDOM CENTER RENOVATION // 2609 N MLK AVE
 HISTORIC PRESERVATION // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

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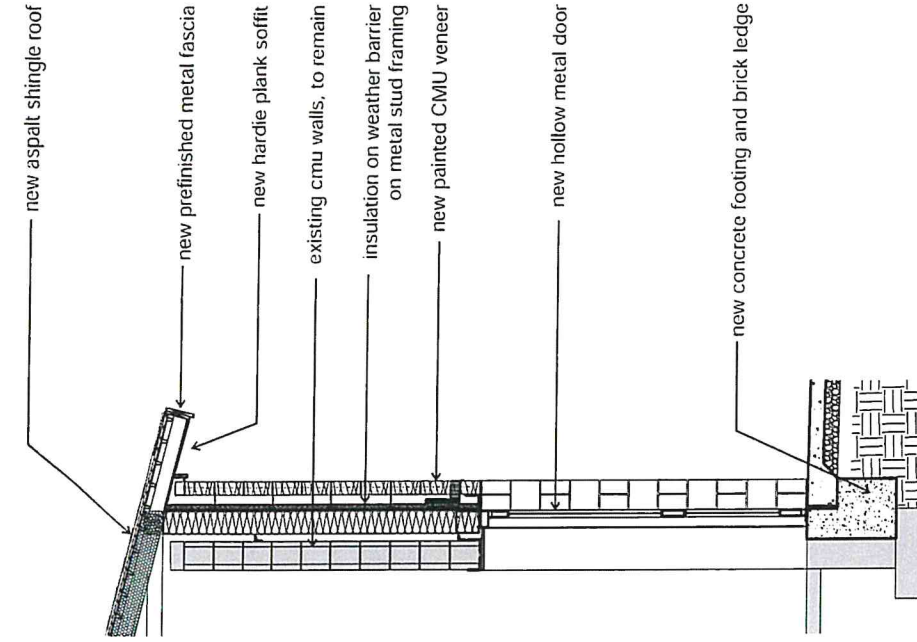
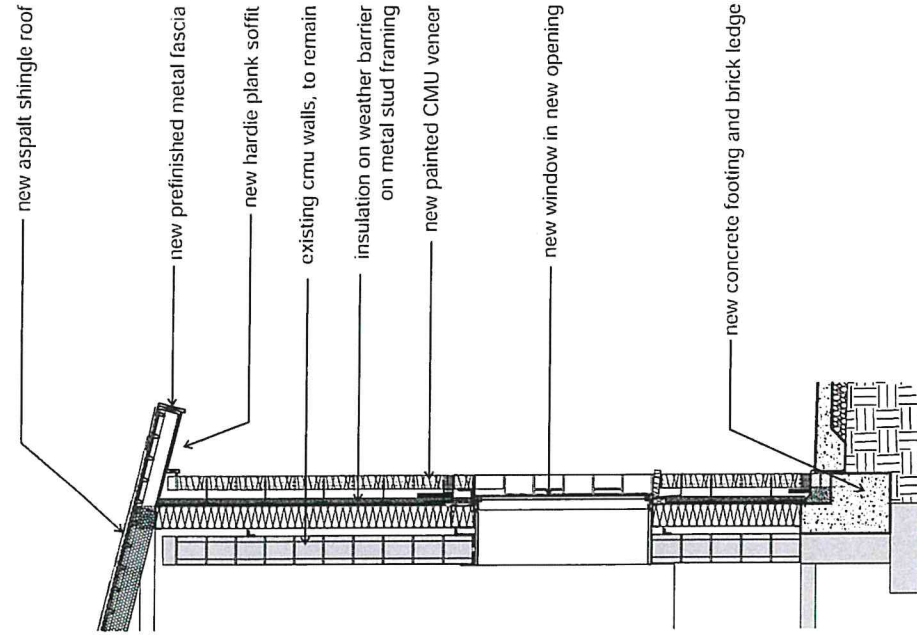
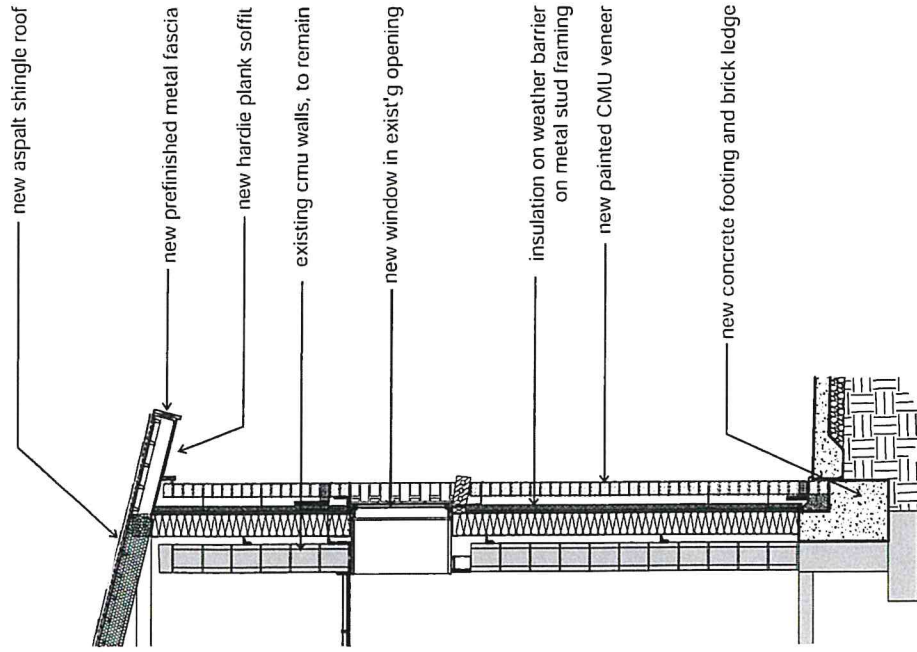
By: KMF

ADDED SHEET

DECEMBER 1, 2021

Revision #1: 2-16-22

WALL SECTIONS



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Certificate of Appropriateness

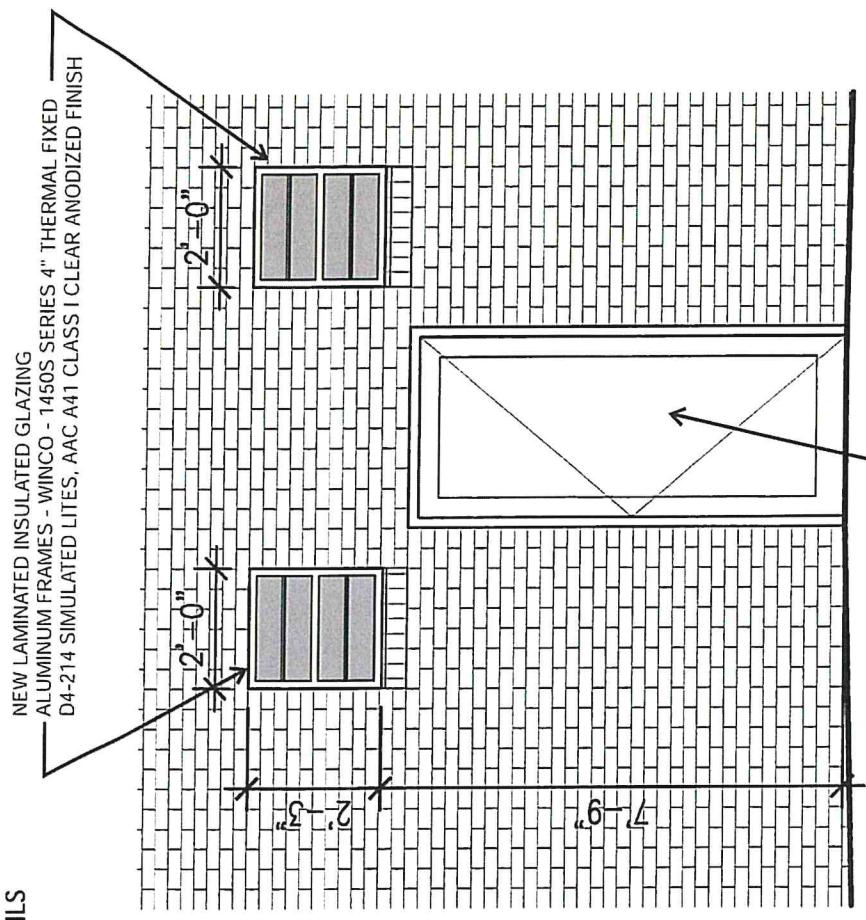
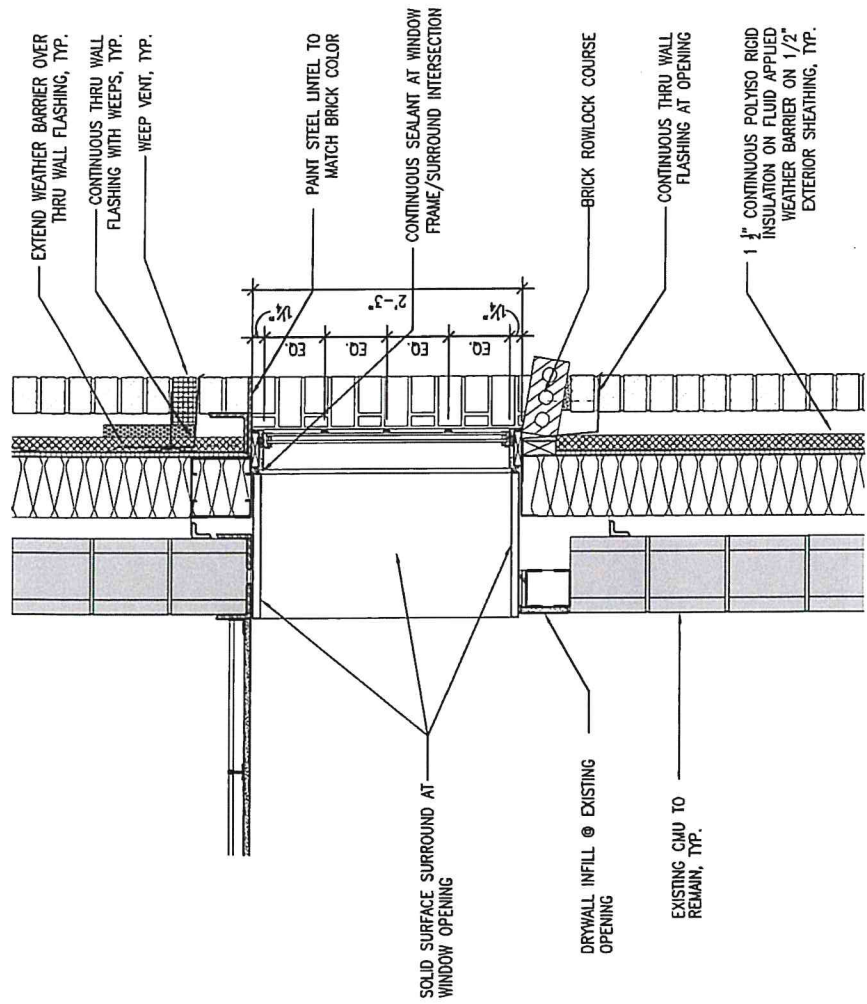
FREEDOM CENTER RENOVATION // 2609 N MLK AVE

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HISTORIC PRESERVATION // APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

By WUF

WINDOW DETAILS



NEW 3'-0"x7'-0" NARROW STILE DOOR AND ALUMINUM STOREFRONT FRAME (7'-4" TALL) WITH INSULATED GLAZING

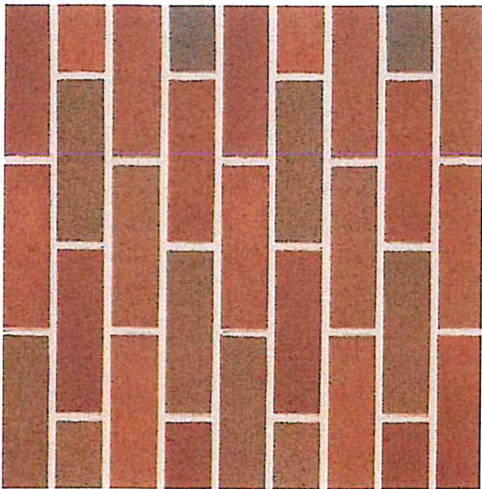
ATELIER CORY HENRY | BOCKUS PAYNE

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By Wmf

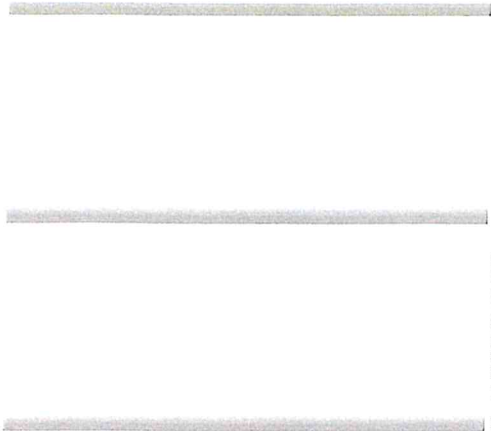
METHODS + MATERIALS



BRICK VENEER // BELDEN - CLARET FULL RANGE VEL

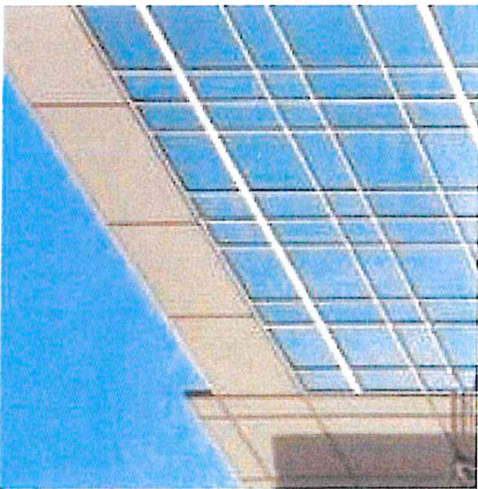


ROOFING // CERTAINTED - WEATHERED WOOD



SIDING // HARDIE PLANK - ARCTIC WHITE

GLAZING // VITRO R77 ON CLEAR - LAMINATED/INSUL



PAVERS // PAVESTONE - HOLLAND STONE - GRAY



PLANTERS // US STONE - FLINT HILLS GRAY - HONED

ATELIER CORY HENRY | BOCKUS PAYNE

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By: KMf