

HISTORIC PRESERVATION COMMISSION MEETING

CITY OF DAVENPORT, IOWA

TUESDAY, APRIL 11, 2017; 5:00 PM

CITY HALL COUNCIL CHAMBERS 226 WEST 4TH STREET DAVENPORT, IOWA
52801

I. Call to Order

II. Commission Secretary's Report

- A. Approval of the March 7, 2017 regular meeting minutes.
- B. Approval of the March 7, 2017 work session minutes.

III. Communications

IV. Old Business

V. New Business

- A. Case No: COA17-02: Certificate of Appropriateness to tear off old roof and install new one and replace widow's walk at 1234 East 29th Street. The Collins House is a Local Historic Landmark. Davenport Parks and Recreation, petitioner.
- B. Case No: COA17-03: Certificate of Appropriateness to replace for 2nd and 3rd story windows on the east façade at 712 West 2nd Street. The Germania-Miller/Standard Hotel is a Local Historic Landmark. German American Heritage Center, petitioner.
- C. Case No: COA17-04: Certificate of Appropriateness to install a free standing solar electric system at 723 Brown Street. The Paul C. A. F. and Emilie V. (Krause) Karlowa House is located within the Local Historic Hamburg District. Craig Canfield, petitioner.
- D. Case No: COA17-05: Certificate of Appropriateness to remove and repair windows, repair and replace soffit, fascia and other trim, replace front and back door and tuckpoint foundation at 830 West 6th Street. The German Methodist Episcopal Church is located within the Local Historic Hamburg District. Kathy Hunley, petitioner.

VI. Other Business

VII. Open Forum for Comment

VIII. Adjourn

IX. Next Commission Meeting:

City of Davenport
Historic Preservation Commission

Department: Community Planning and Economic Development
Department
Contact Info: Ryan Rusnak (563) 888-2022
rrusnak@ci.davenport.ia.us

Date
4/11/2017

Subject:
Approval of the March 7, 2017 regular meeting minutes.

Recommendation:
Approve the minutes.

ATTACHMENTS:

Type	Description
▢ Backup Material	March 7, 2017 regular meeting minutes

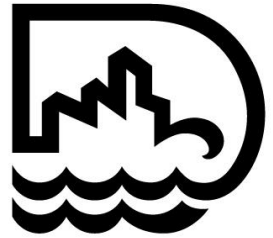
REVIEWERS:

Department	Reviewer	Action	Date
City Clerk	Rusnak, Ryan	Approved	4/7/2017 - 2:39 PM



HISTORIC PRESERVATION COMMISSION Meeting Minutes

**Tuesday, March 7, 2017 at 5:00 p.m.
Council Chambers
226 West 4th Street
City of Davenport, Iowa**



I. Call to Order

Chairman Frueh called the meeting to order at approximately 5:00 p.m. with the following Commissioners present: Tami Lord, Marion Meginnis, Kathleen Curoe and Robert McGivern.

Staff Present: Ryan Rusnak, Planner III

II. Commission Secretary's Report

Consideration of the December 13, 2016 regular meeting minutes.

Motion by McGivern, second by Curoe to approve the December 13, 2016 regular meeting minutes.

Motion to approve was unanimous by voice vote.

III. Communications

1. 2017 Preserve Iowa Summit. June 8-10, 2017 – Fort Dodge, Iowa.

Rusnak updated the Commission on the 2017 Preserve Iowa Summit.

2. Update to the NRHP for the Hamburg Historic District.

Rusnak stated that the Hamburg Historic District update has been completed.

3. Approved amendment to the Historic Preservation Ordinance.

Rusnak stated that the amendment has been approved and that there are now seven Commissioners.

4. Meginnis stated that the 2018 National Historic Preservation Conference is being held in Des Moines, Iowa.

IV. Old Business

None.

V. New Business

1. Case No: COA17-01: Certificate of Appropriateness to make general repairs to the Credit Island Warming House. Credit Island is a Local Historic Landmark. City of Davenport, petitioner.

Rusnak summarized the staff report. He stated that staff recommends approval of COA17-01 in accordance with submitted work write up subject to the following conditions:

1. That any wood being replaced be a replacement in kind; and
2. That a mortar analysis be performed and custom mortar be obtained for any repointing.

Meginnis questioned if and how the graffiti would be removed.

Rusnak stated that he did not know if the graffiti would be removed, but would let know Davenport Parks and Recreation that a product that does not cause long term damage to the brick must be used.

Motion by Meginnis, second by McGivern to approve COA17-01 in accordance with submitted work write up subject to the following conditions:

1. That any wood being replaced be a replacement in kind; and
2. That a mortar analysis be performed and custom mortar be obtained for any repointing.

Motion to approve was unanimous by roll call vote.

VI. Other Business

1. Authorize the Chairperson to sign a letter on behalf of the Davenport Historic Preservation Commission supporting the City of Davenport's application to Iowa Department of Economic Development for funding to rehabilitate the former Buchanan School located at 2104 West 6th Street. Buchanan School is listed on the National Register of Historic Places.

Rusnak presented the letter at the meeting.

Motion by McGivern, second by Curoe to authorize the Chairperson to sign a letter on behalf of the Davenport Historic Preservation Commission supporting the City of Davenport's application to Iowa Department of Economic Development for funding to rehabilitate the former Buchanan School located at 2104 West 6th Street.

Motion to approve was unanimous by voice vote. Note: the Chairperson signed the letter after meeting.

2. Election of Chairperson

Motion by Meginnis, second by McGivern to nominate John Frueh as Chairperson.

Motion to nominate was approved 4-0 by roll call vote with John Frueh abstaining.

3. Election of Vice Chairperson

Motion by McGivern, second by Curoe to nominate Marion Meginnis as Vice Chairperson.

Motion to nominate was approved 4-0 by roll call vote with Marion Meginnis abstaining.

VII. Open Forum for Comment

No one from the audience spoke.

VIII. Adjournment

The meeting adjourned at approximately 5:10 pm.

City of Davenport
Historic Preservation Commission

Department: Community Planning and Economic Development
Department
Contact Info: Ryan Rusnak (563) 888-2022
rrusnak@ci.davenport.ia.us

Date
4/11/2017

Subject:
Approval of the March 7, 2017 work session minutes.

Recommendation:
Approve the minutes.

ATTACHMENTS:

Type	Description
▢ Backup Material	March 7, 2017 work session minutes

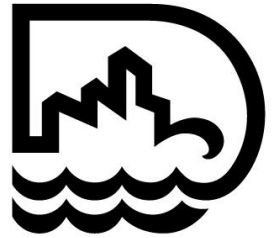
REVIEWERS:

Department	Reviewer	Action	Date
City Clerk	Rusnak, Ryan	Approved	4/7/2017 - 2:39 PM



HISTORIC PRESERVATION COMMISSION Work Session Minutes

**Tuesday, March 7, 2017 at 5:15 p.m.
Council Chambers
226 West 4th Street
City of Davenport, Iowa**



The following Commissioners present: Tami Lord, Marion Meginnis, Kathleen Curoe and Robert McGivern.

I. New Business

1. Discussion regarding Historic Preservation Commission two year goals.

Meginnis stated that she is in favor of more advocacy by the Commission for programs such as historic tax credits.

Rusnak mentioned that this could be an idea for May, which is Historic Preservation Month.

McGivern stated that the Commission should advocate for funds for preservation projects.

Meginnis stated that the Zoning Ordinance rewrite should address demolition by neglect. Perhaps only for Local Landmarks initially.

Frueh discussed the concept of preservation districts with regard to the Zoning Ordinance rewrite.

McGivern stated that the Commission should engage in more marketing (Youtube, social media, etc.).

City of Davenport
Historic Preservation Commission

Department: Community Planning and Economic Development
Department
Contact Info: Ryan Rusnak (563) 888-2022
rrusnak@ci.davenport.ia.us

Date
4/11/2017

Subject:

Case No: COA17-02: Certificate of Appropriateness to tear off old roof and install new one and replace widow's walk at 1234 East 29th Street. The Collins House is a Local Historic Landmark. Davenport Parks and Recreation, petitioner.

Recommendation:

Staff recommends approval of Case COA17-02 in accordance with the work write up and submitted plans.

Relationship to Goals:

Background:

The application proposes to tear off the old roof and install new one and replace widow's walk at 1234 East 29th Street.

ATTACHMENTS:

Type	Description
Backup Material	COA17-02 - Application

REVIEWERS:

Department	Reviewer	Action	Date
City Clerk	Rusnak, Ryan	Approved	4/7/2017 - 2:39 PM

CERTIFICATE OF APPROPRIATENESS (COA)
APPLICATION

**Historic Preservation Commission
City of Davenport, Iowa**

Please provide the following information: (Please type or print)

Property Address: 1234 East 29th Street "The Collins House"

	Owner	Petitioner (If not Owner)
Name	<u>City of Davenport</u>	<u>Parks and Recreation Dept.</u>
Address (Including Zip)	<u>226 West 4th Street Davenport, IA 52801</u>	
Daytime Phone	<u></u>	<u></u>
Evening Phone	<u></u>	<u></u>

(If applicant is different from owner please provide a letter signed by the owner stating his/her support for the petition)

☐ Individual – (name of landmark)

☐ District ☐ Hamburg ☐ Annie Wittenmyer

The Applicant shall submit the following information:

- ☒ A work write-up giving a complete description of the exterior work to be performed, (use enclosed pages to describe work, attach drawings or product information to illustrate changes)
- ☐ One set of 4" by 6" photographs showing all building elevations. Also photographs of detailed areas where work is to be performed.
- ☐ Historic plans, elevations or photographs if the request is to return a structure to an earlier historic appearance.
- ☐ For new construction, in either the form of additions or a new structure constructed on site, a dimensioned site plan, architectural plans, and elevations are required. At a minimum, the material submitted by the petitioner must be sufficient for the commission to clearly understand the work to be performed. (Petitioners may also find that plans, by clearly showing what work is to be performed may result in lower bids and are also useful should there be a dispute between the home owner and the contractor as to the work that was included in the contract).

ONLY WORK DESCRIBED IN THIS APPLICATION MAY BE APPROVED BY THE COMMISSION

PLEASE NOTE: *The Commission may require additional information. The Commission may table the COA until its next meeting, if it feels there is insufficient information to make a good judgment on the proposed COA. Please check with staff prior to completing the application for a copy of the rehabilitation guidelines (if applicable). Also, proposed product samples (i.e., roofing material, siding, windows, paint colors, brackets, balusters, product information and brochures) would greatly assist the commission when considering the application. Consider what would be useful in conveying what you wish to do. If a porch is to be constructed, for example, and the intent is to build something seen on another structure or in a magazine a photograph of that porch or the picture from that magazine would be useful.*

CERTIFICATE OF APPROPRIATENESS (COA) APPLICATION

PLEASE NOTE: The applicant hereby acknowledges and understands the following requirements:

- (1) No Application for a Certificate of Appropriateness will be presented to the Historic Preservation Commission for review until the applicant has submitted all requested information to the Commission Secretary.
- (2) If the owner(s) of record does not intend to appear in person before the Historic Preservation Commission, the owner(s) must submit a letter to the Commission Secretary authorizing an agent to apply for the Certificate of Appropriateness for the proposed rehabilitation prior to the public meeting scheduled to consider said application.
- (3) The applicant is hereby advised and agrees that no work affecting the exterior of the structure and requiring a City permit, may proceed until the Historic Preservation Commission has issued a Certificate of Appropriateness approving said work.
- (4) All applications for Certificates of Appropriateness shall be reviewed using the criteria listed in Subsections 17.23.080 of the 1995 Municipal Code of the City of Davenport, Iowa.
- (5) The Historic Preservation Commission approval does not relieve the applicant from applying for and receiving all appropriate City permits. The applicant must contact the City's Office of Construction Code Enforcement located in the Public Work Facility at East 46th Street and Tremont Avenue (1200 Tremont) to apply for all necessary permits prior to the commencement of said work.
- (6) If the Historic Preservation Commission denies the Application for a Certificate of Appropriateness, the applicant may file a written appeal with the City Clerk within 30 calendar days to bring the issue before the City Council. The appeal fee is \$75.00. (Please see Subsections 17.23.080 G. and H.)
- (7) In the event work has been completed without the required Certificate of Appropriateness, the applicant and persons performing such work shall be charged with a misdemeanor or municipal infraction. Every day each said violation shall continue to exist shall constitute a separate violation. (Please see Section 17.23.130)
- (8) Signing this form grants city staff and members of the Historic Preservation Commission permission to access the yard for which the certificate of appropriateness is sought.

Mark D. Miller, AIA, LEED AP

Owner(s) of Record or Authorized Agent

4/4/17

Date

Received by: Ryan Rusnak

Commission Secretary or Designee

4/4/17

Date

Date of Historic Preservation Commission Public Meeting:

4/11/2017

All Historic Preservation Commission Public Meetings are held in the City Council Chambers at City Hall on the 2nd Tuesday of every month at 5:00 p.m. unless otherwise notified.

Please return the completed application to the:

Historic Preservation Commission
Community & Economic Development Department
226 W. 4th Street
Davenport, Iowa 52801

Direct your questions to the Commission Secretary at 326-7766 or 326-7740.
Fax (563) 328-6714.

To be filled out by the Applicant

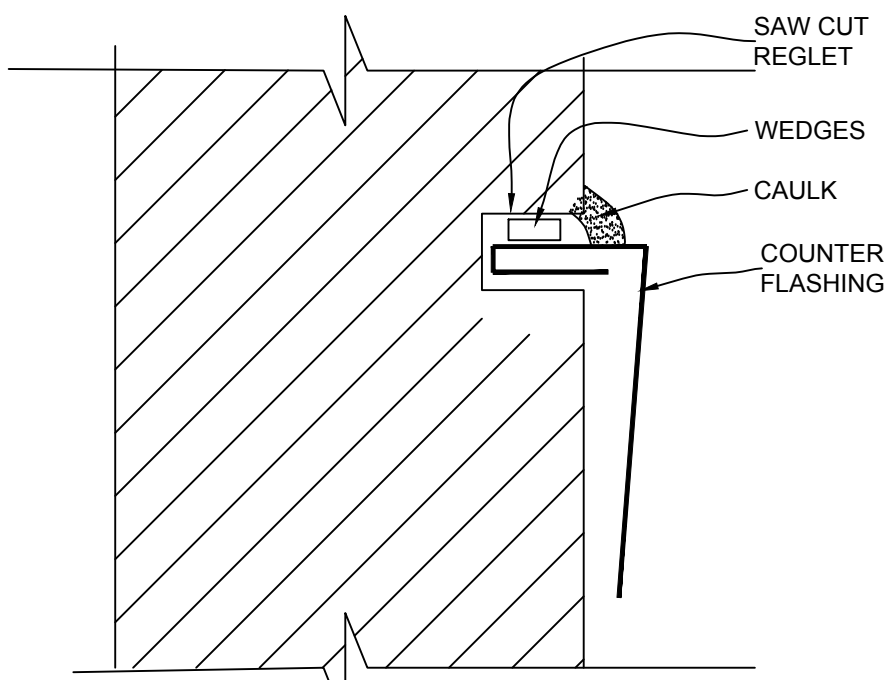
Separately describe each job to be performed on the exterior of the structure and/or property. (Use additional sheets as necessary)

1a. What is being done? 1b. What materials are being used? 1c. What changes in appearance will there be?

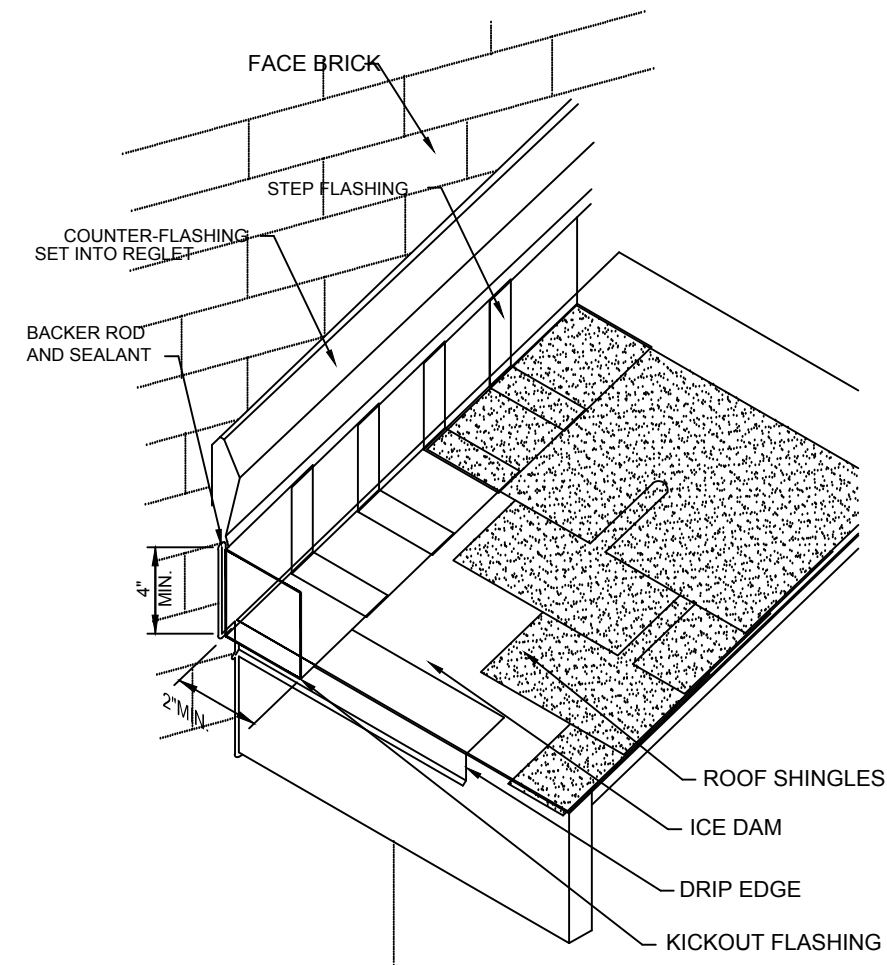
Reroofing Collins House, repairing storm damage, replacing 1990's "widow's walk".
See attached drawings.

2a. What is being done? 2b. What materials are being used? 2c. What changes in appearance will there be?

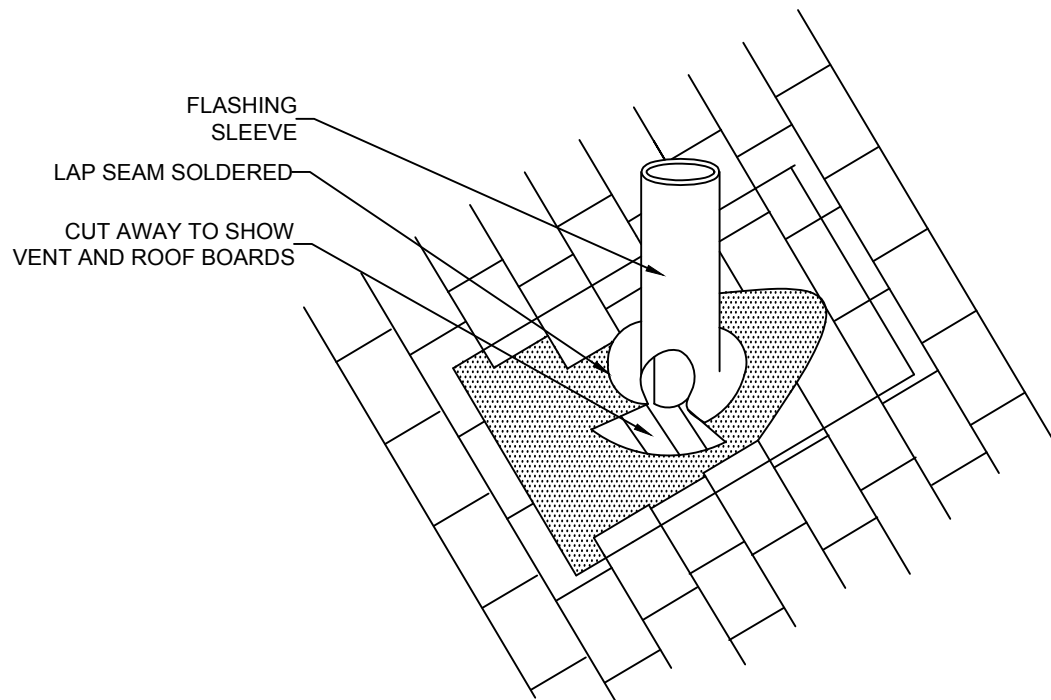
Attach drawings or product information to illustrate above changes



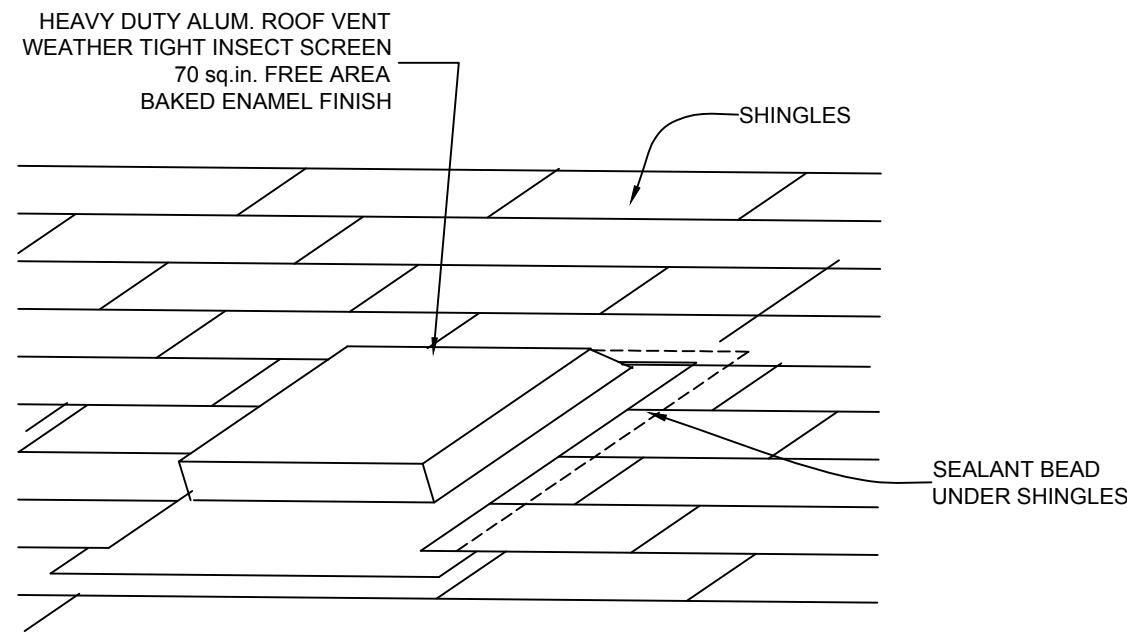
9
3
CUT IN REGLET
NOT TO SCALE



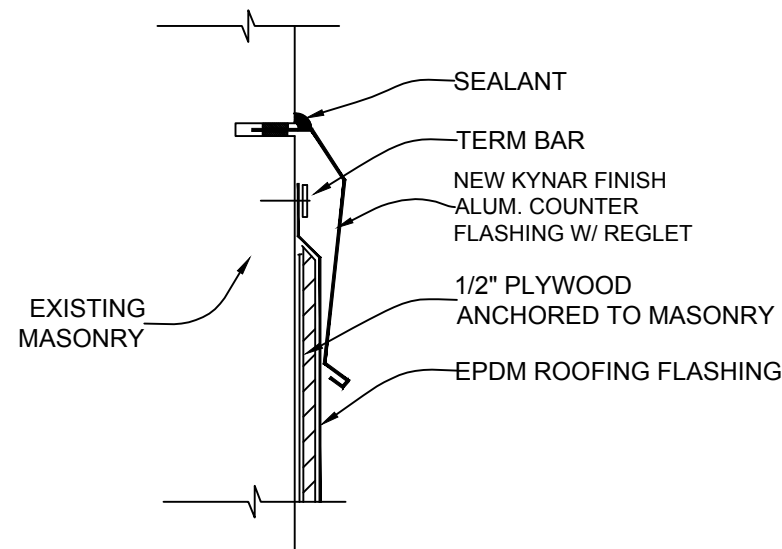
5
3
KICK OUT/DIVERTER FLASHING DETAIL
NOT TO SCALE



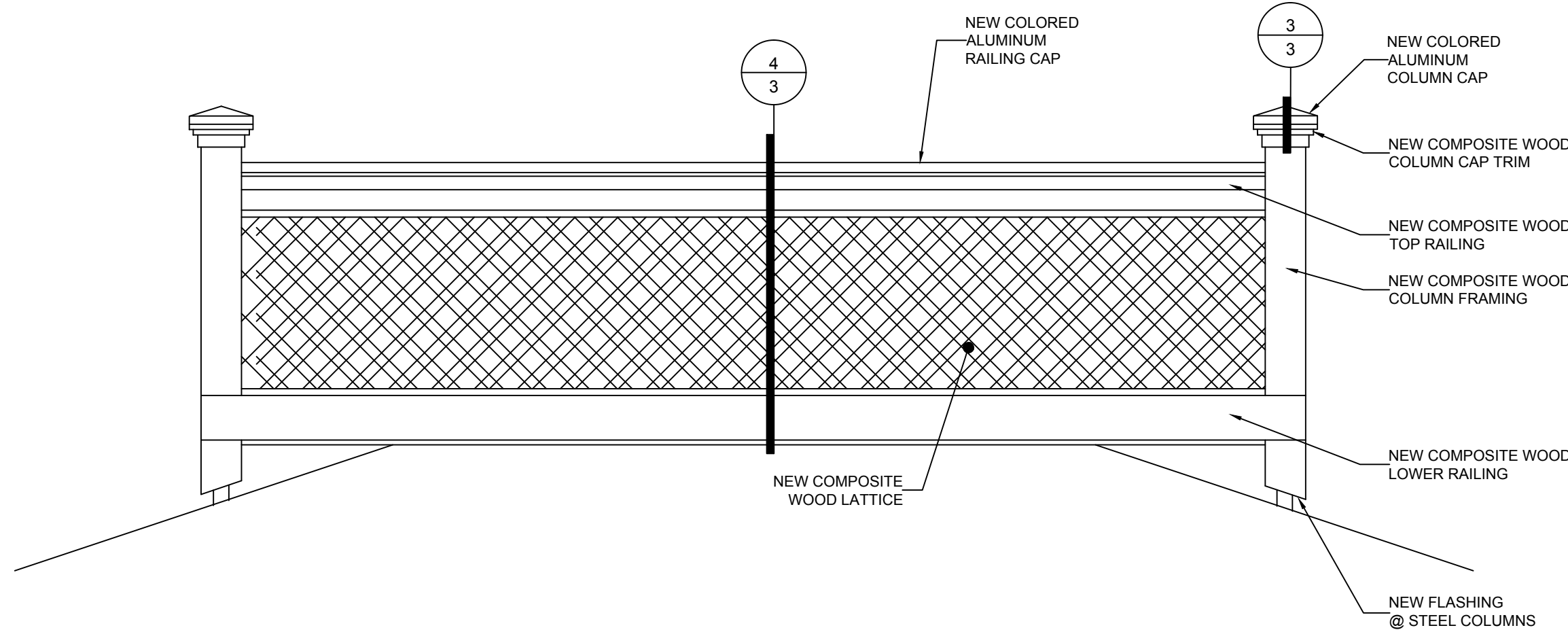
6
3
STACK FLASHING
NOT TO SCALE



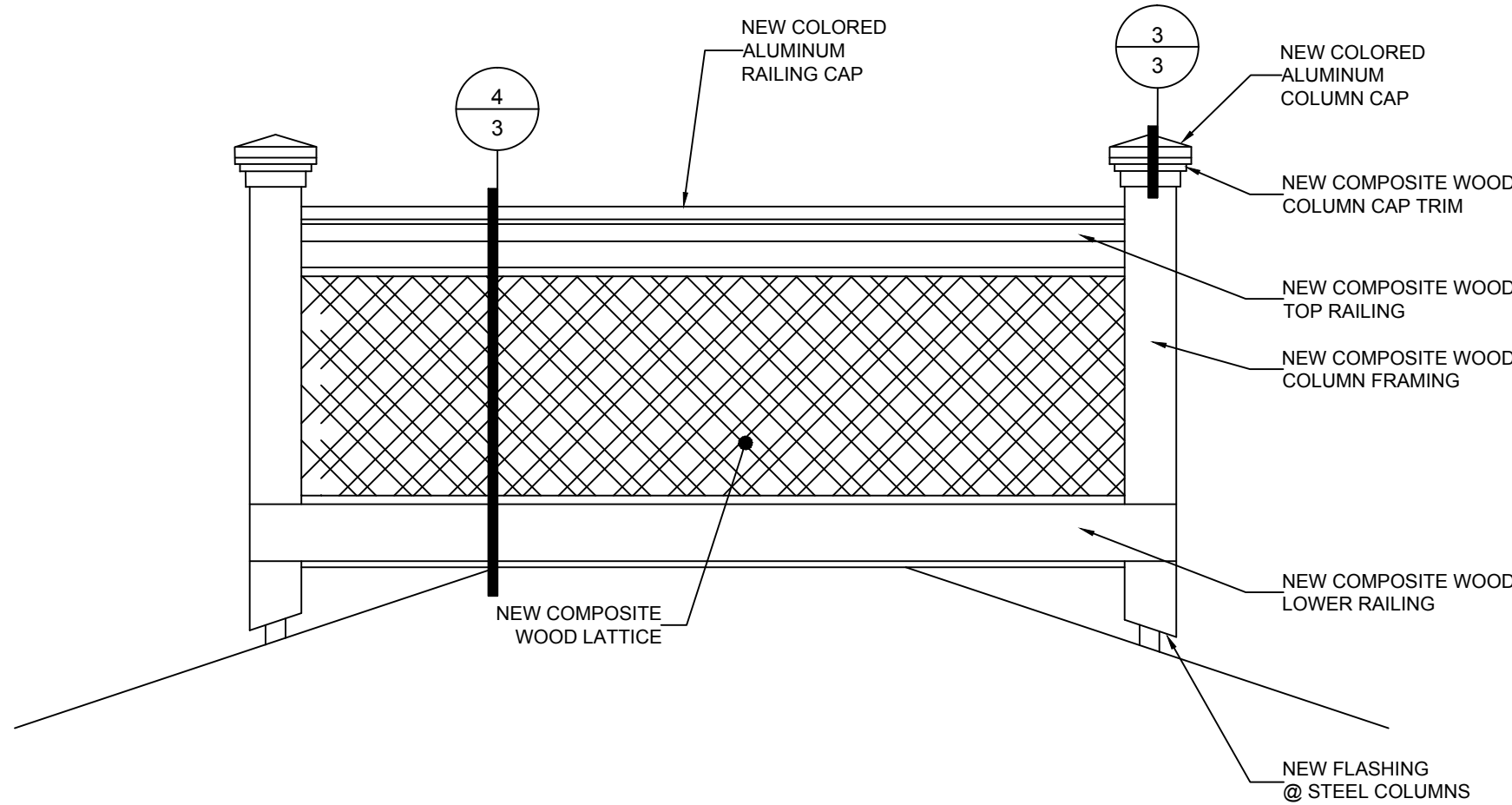
7
3
ROOF VENT DETAIL
NOT TO SCALE



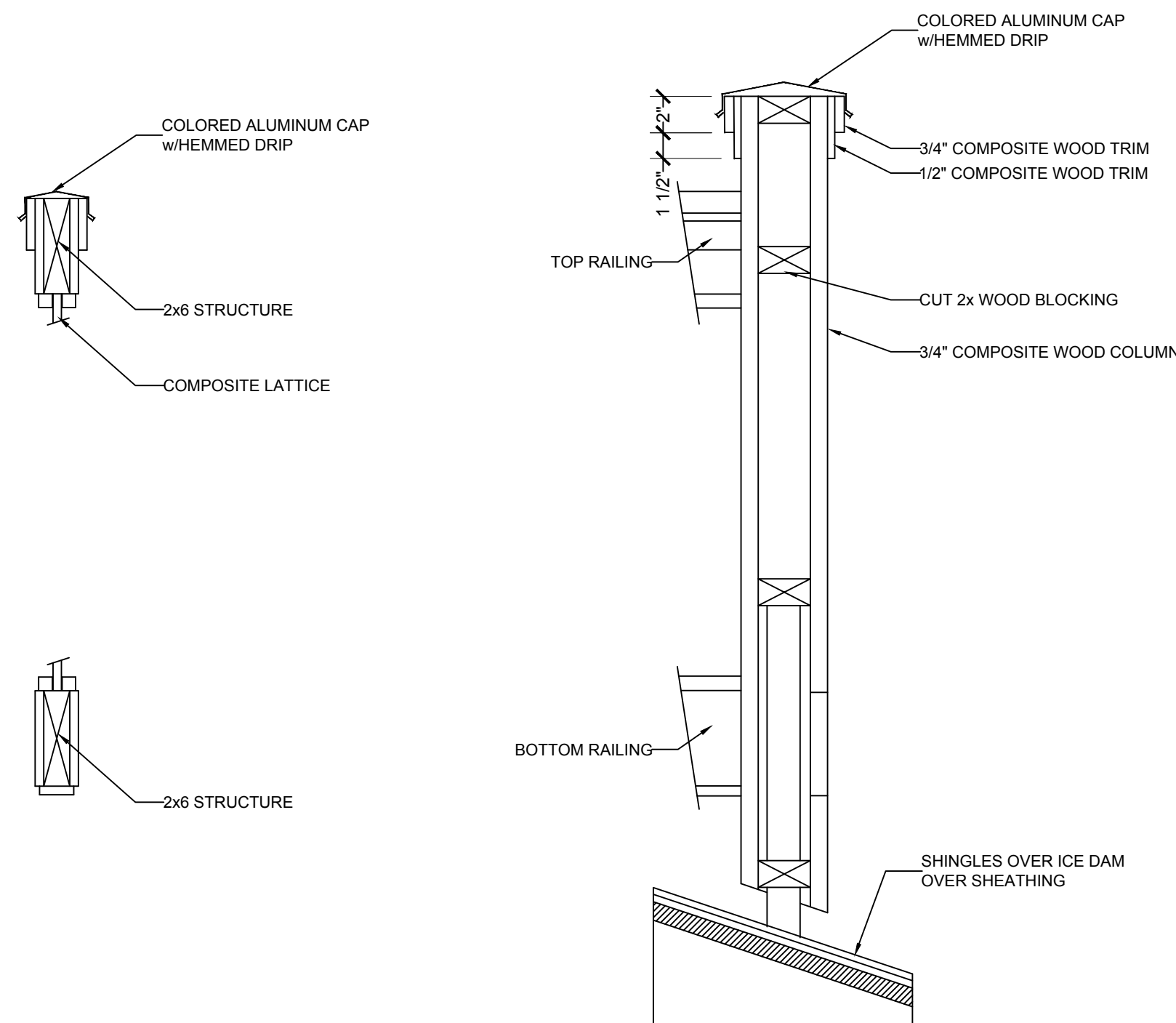
8
3
WALL/ROOFING DETAIL
NOT TO SCALE



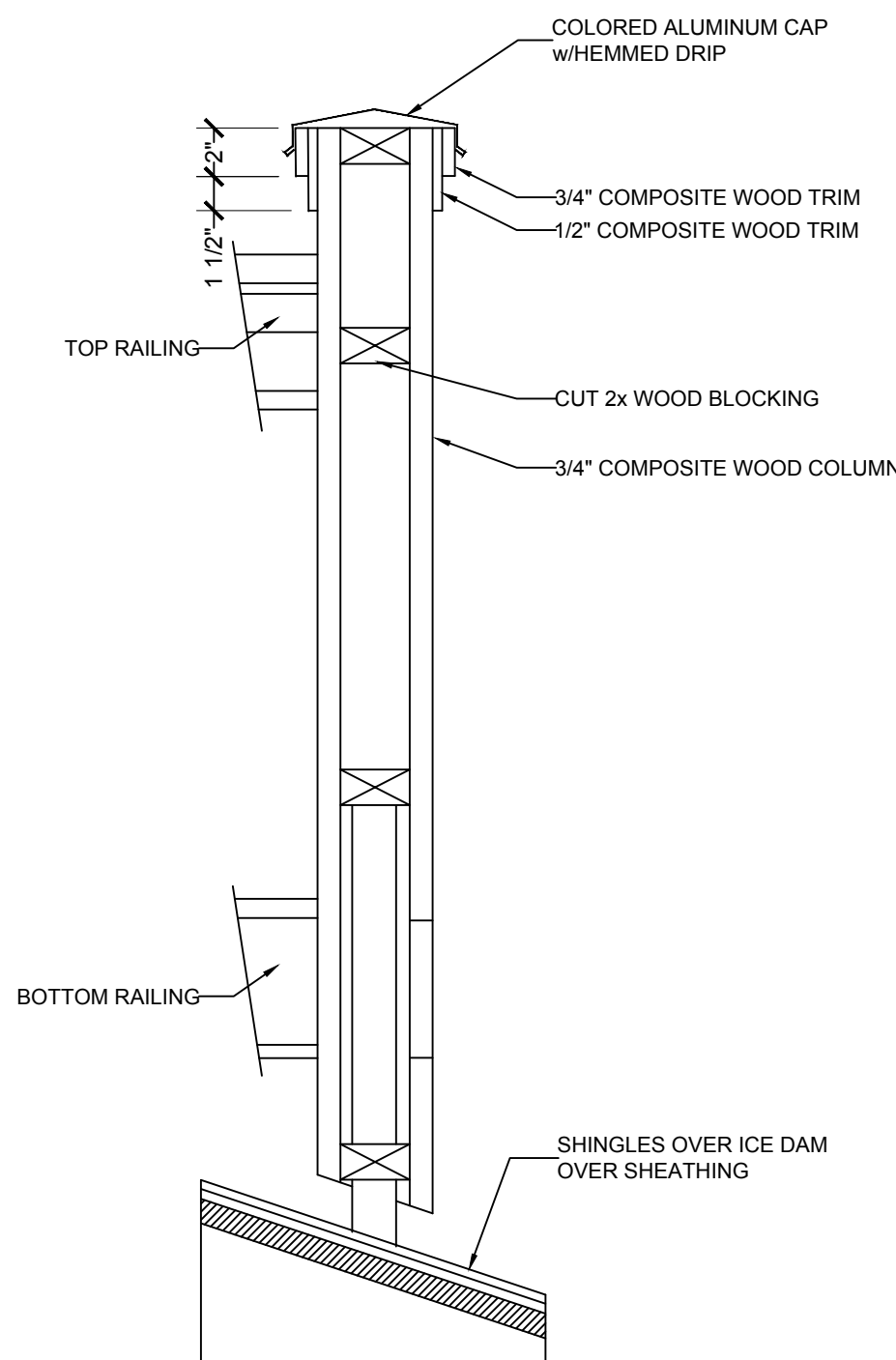
1
3
WIDOW'S WALK EAST AND WEST ELEVATIONS
NOT TO SCALE



2
3
WIDOW'S WALK NORTH AND SOUTH ELEVATIONS
NOT TO SCALE



4
3
WIDOW'S WALK RAILINGS
SCALE: 1-1/2\"/>



3
3
WIDOW'S WALK COLUMNS
SCALE: 1-1/2\"/>

BHMM

Bracke
Hayes
Miller
Mahon,
Architects LLP

1465 41st Street
Moline, Illinois 61265
309.762.0511

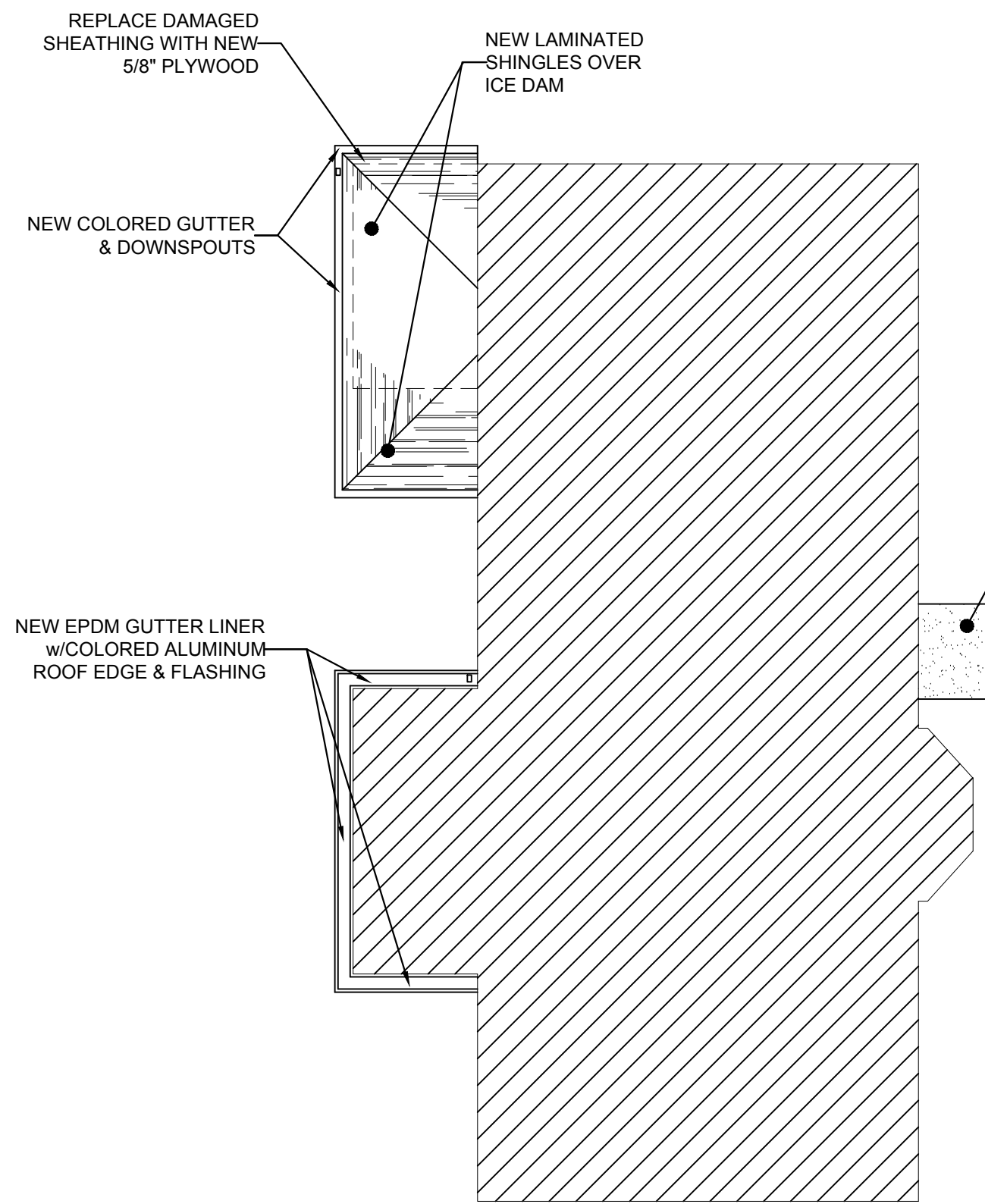
1315 East 11th Street
Davenport, Iowa 52803
563.323.8484

Collins House Reroofing and Repairs
1234 East 29th Street
Davenport Parks and Recreation
700 West River Drive
Davenport, Iowa

3-30-17
Copyright 2017
Project No. 1633

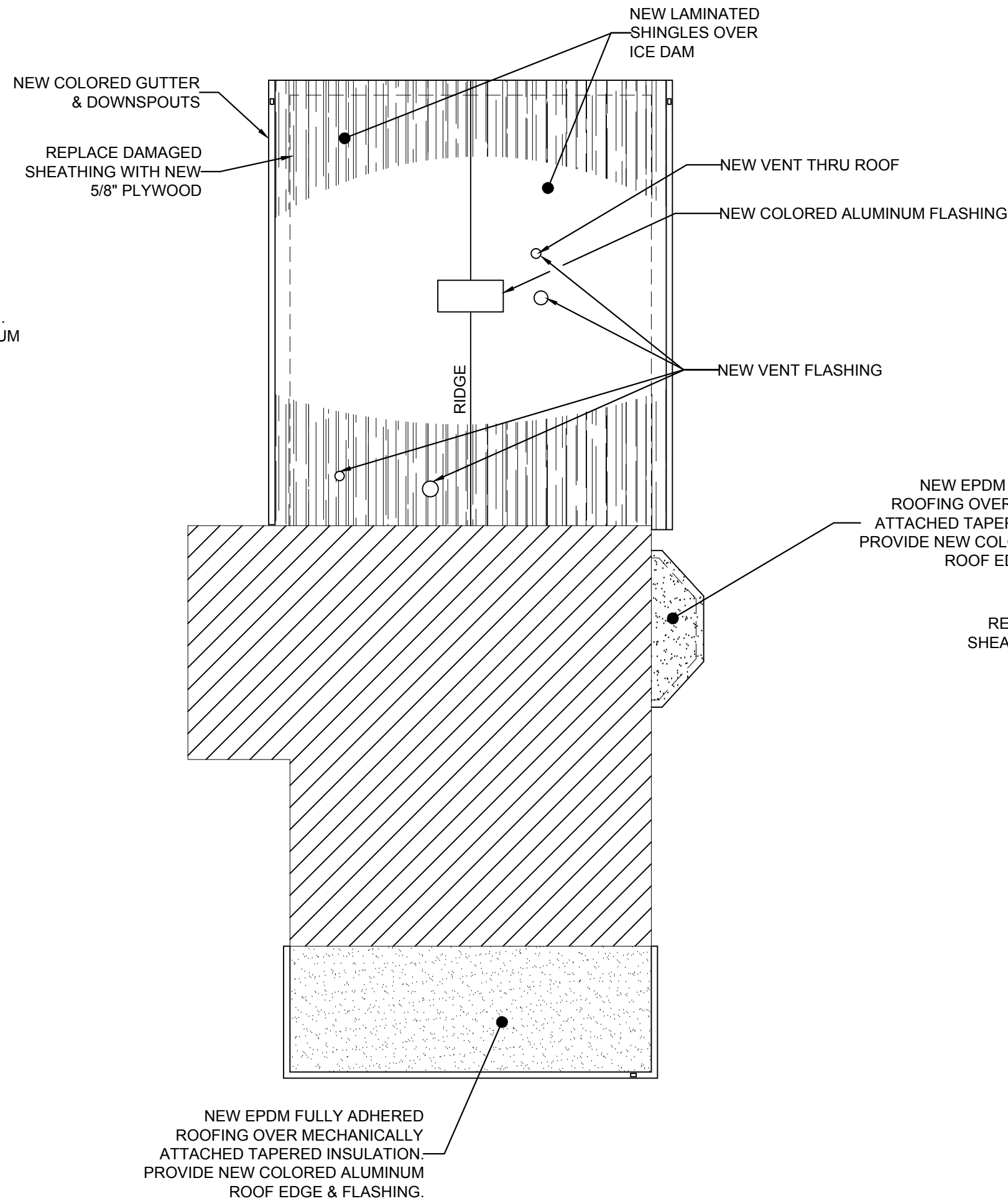
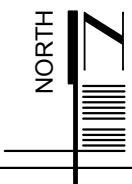
Details

3
of 28



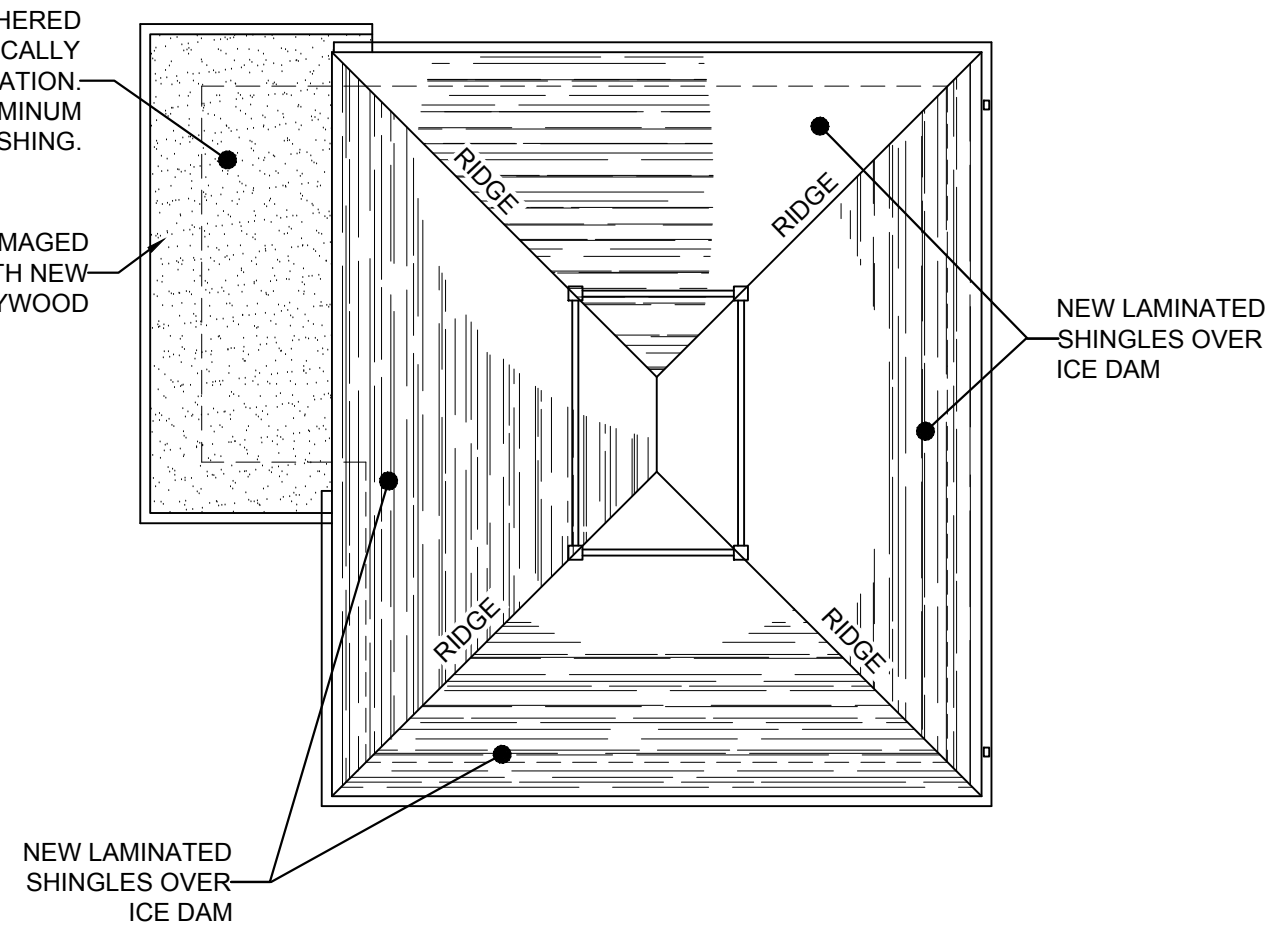
Revised Lower Roof Plan

SCALE: 1/8"=1'-0"



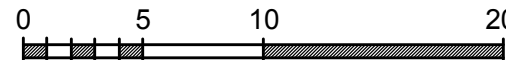
Revised Middle Roof Plan

SCALE: 1/8"=1'-0"

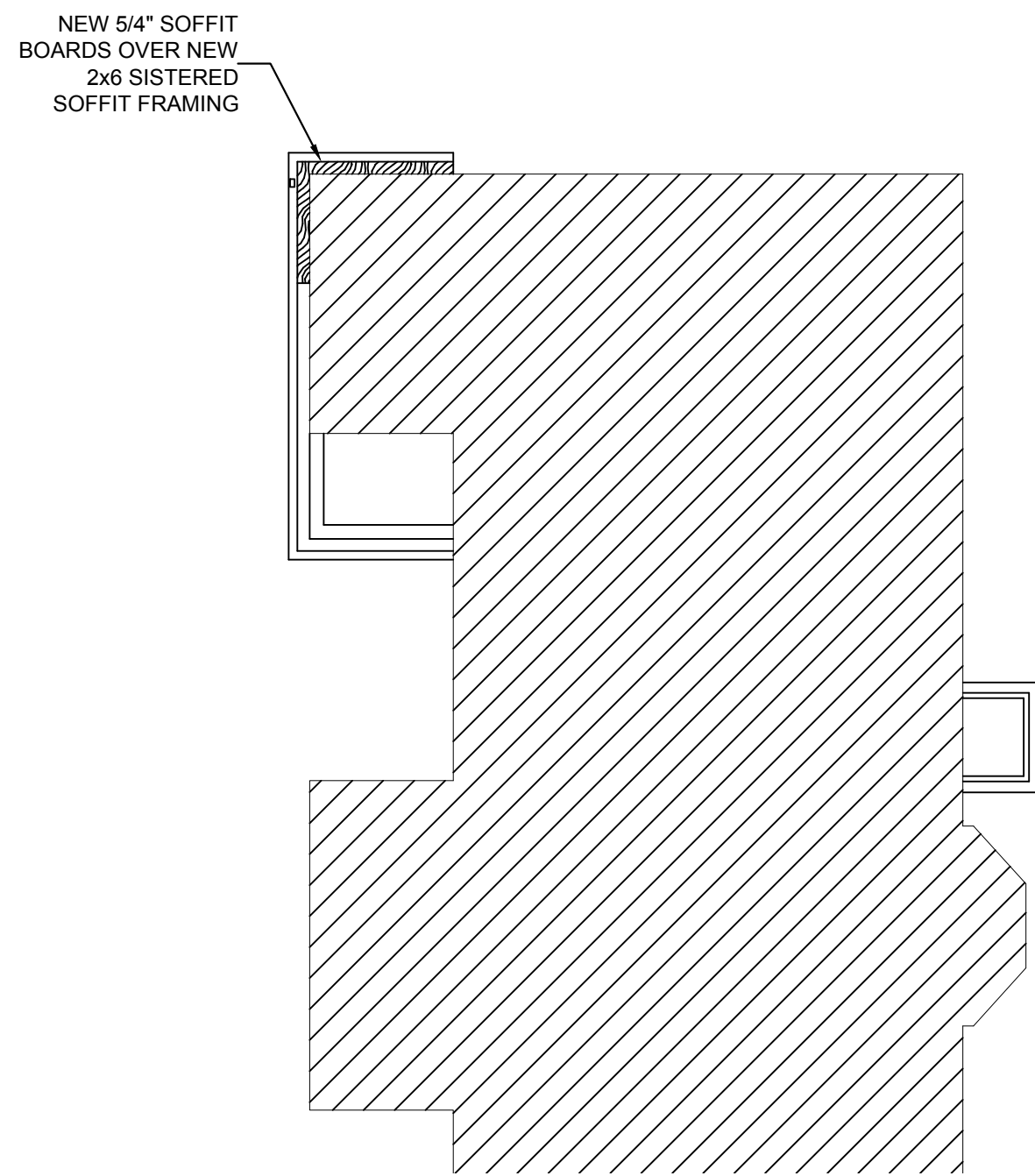


Revised Top Roof Plan

SCALE: 1/8"=1'-0"

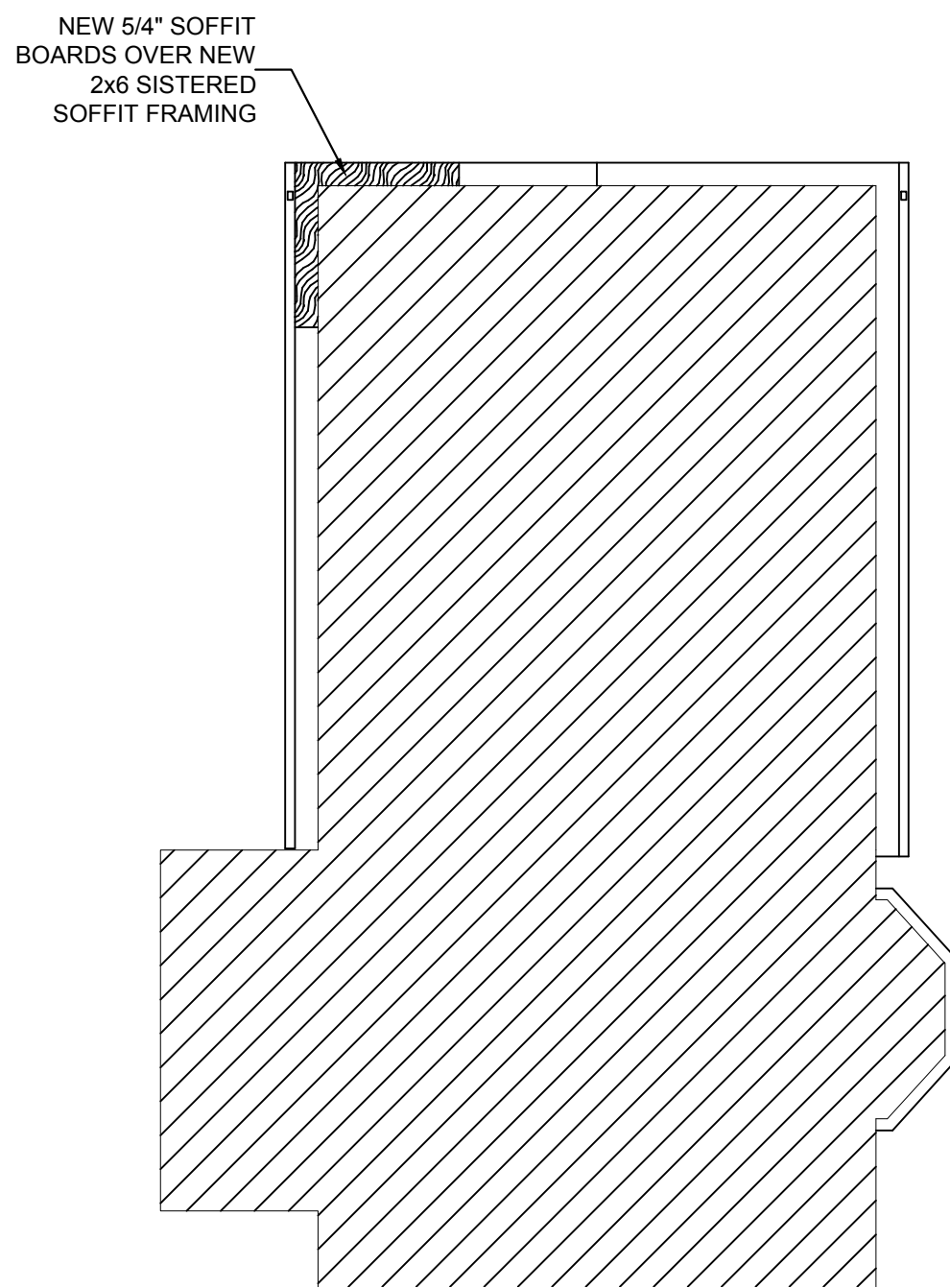
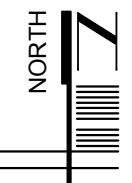


- NOTE:
1. CONTRACTOR TO VERIFY ALL QUANTITIES, DIMENSIONS, ARRANGEMENTS AND CONDITIONS.
 2. ALL WORK IS BASE BID UNLESS NOTED AS AN ALTERNATE.
 3. F.V. MEANS FIELD VERIFIED BY CONTRACTOR.
 4. VERIFY ALL SITE, STRUCTURAL, MECHANICAL, AND ELECTRICAL WORK.



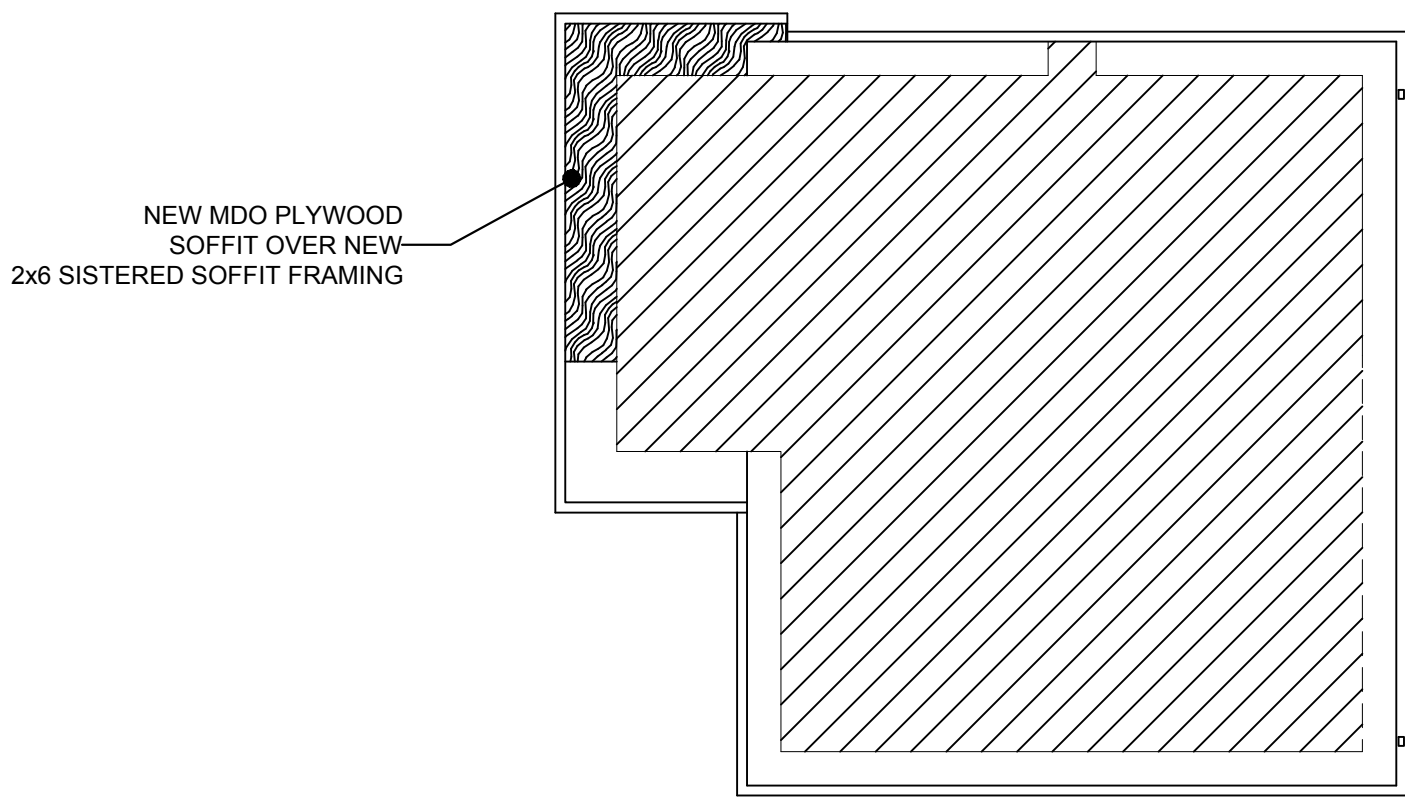
Revised Lower Reflected Soffit Plan

SCALE: 1/8"=1'-0"



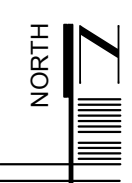
Revised Middle Reflected Soffit Plan

SCALE: 1/8"=1'-0"



Revised Top Reflected Soffit Plan

SCALE: 1/8"=1'-0"



Bracke
Hayes
Miller
Mahon,
Architects LLP

1465 41st Street
Moline, Illinois 61265
309.762.0511

1315 East 11th Street
Davenport, Iowa 52803
563.323.8484



Collins House Reroofing and Repairs

1234 East 29th Street

Davenport Parks and Recreation

700 West River Drive
Davenport, Iowa

3-30-17

Copyright 2017

Project No. 1633

City of Davenport
Historic Preservation Commission

Department: Community Planning and Economic Development
Department
Contact Info: Ryan Rusnak (563) 888-2022
rrusnak@ci.davenport.ia.us

Date
4/11/2017

Subject:

Case No: COA17-03: Certificate of Appropriateness to replace for 2nd and 3rd story windows on the east façade at 712 West 2nd Street. The Germania-Miller/Standard Hotel is a Local Historic Landmark. German American Heritage Center, petitioner.

Recommendation:

Staff recommends approval of COA17-02 in accordance with the work write up.

Background:

The Germania-Miller was constructed in 1871 and is an excellent example of Davenport's high Victorian commercial architecture.

This building served as a hotel and gathering spot for West End Germans in the period following the Civil War. In 1876, the establishment was renamed the Miller Hotel after its new proprietor John Frederick Miller.

The Board approved 4th story, west elevation, replacement windows at its May 12, 2015 meeting. The Board approved 4th story, south elevation and east elevation, replacement windows at its March 8, 2016 meeting.

The application proposes to replace for 2nd and 3rd story windows on the east elevation.

ATTACHMENTS:

Type	Description
▣ Backup Material	COA17-03 - Appication

REVIEWERS:

Department	Reviewer	Action	Date
City Clerk	Rusnak, Ryan	Approved	4/7/2017 - 2:39 PM

CERTIFICATE OF APPROPRIATENESS (COA)
APPLICATION

**Historic Preservation Commission
City of Davenport, Iowa**

Please provide the following information: (Please type or print)

Property Address: 712 West 2nd St.

	Owner	Petitioner (If not Owner)
Name	<u>German American Heritage Center</u>	
Address (Including Zip)	<u>712 W. 2nd St. Davenport, IA 52802</u>	
Daytime Phone	<u>563-322-8844</u>	
Evening Phone	<u>309-781-4808</u>	

(If applicant is different from owner please provide a letter signed by the owner stating his/her support for the petition)

☒ Individual – (name of landmark) Germania Miller / Standard Hotel

☐ District ☐ Hamburg ☐ Annie Wittenmyer

The Applicant shall submit the following information:

- ☒ A work write-up giving a complete description of the exterior work to be performed, (use enclosed pages to describe work, attach drawings or product information to illustrate changes)
- ☒ One set of 4" by 6" photographs showing all building elevations. Also photographs of detailed areas where work is to be performed.
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- ☐ For new construction, in either the form of additions or a new structure constructed on site, a dimensioned site plan, architectural plans, and elevations are required. At a minimum, the material submitted by the petitioner must be sufficient for the commission to clearly understand the work to be performed. (Petitioners may also find that plans, by clearly showing what work is to be performed may result in lower bids and are also useful should there be a dispute between the home owner and the contractor as to the work that was included in the contract).

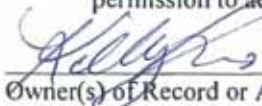
ONLY WORK DESCRIBED IN THIS APPLICATION MAY BE APPROVED BY THE COMMISSION

PLEASE NOTE: *The Commission may require additional information. The Commission may table the COA until its next meeting, if it feels there is insufficient information to make a good judgment on the proposed COA. Please check with staff prior to completing the application for a copy of the rehabilitation guidelines (if applicable). Also, proposed product samples (i.e., roofing material, siding, windows, paint colors, brackets, balusters, product information and brochures) would greatly assist the commission when considering the application. Consider what would be useful in conveying what you wish to do. If a porch is to be constructed, for example, and the intent is to build something seen on another structure or in a magazine a photograph of that porch or the picture from that magazine would be useful.*

CERTIFICATE OF APPROPRIATENESS (COA) APPLICATION

PLEASE NOTE: The applicant hereby acknowledges and understands the following requirements:

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- (4) All applications for Certificates of Appropriateness shall be reviewed using the criteria listed in Subsections 17.23.080 of the 1995 Municipal Code of the City of Davenport, Iowa.
- (5) The Historic Preservation Commission approval does not relieve the applicant from applying for and receiving all appropriate City permits. The applicant must contact the City's Office of Construction Code Enforcement located in the Public Work Facility at East 46th Street and Tremont Avenue (1200 Tremont) to apply for all necessary permits prior to the commencement of said work.
- (6) If the Historic Preservation Commission denies the Application for a Certificate of Appropriateness, the applicant may file a written appeal with the City Clerk within 30 calendar days to bring the issue before the City Council. The appeal fee is \$75.00. (Please see Subsections 17.23.080 G. and H.)
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- (8) Signing this form grants city staff and members of the Historic Preservation Commission permission to access the yard for which the certificate of appropriateness is sought.

 Executive Director
Owner(s) of Record or Authorized Agent

2-24-17
Date

Received by: Ryan Rusnak
Commission Secretary or Designee

3-31-17
Date

Date of Historic Preservation Commission Public Meeting:

April 11th 2017

All Historic Preservation Commission Public Meetings are held in the City Council Chambers at City Hall on the 2nd Tuesday of every month at 5:00 p.m. unless otherwise notified.

Please return the completed application to the:

Historic Preservation Commission
Community & Economic Development Department
226 W. 4th Street
Davenport, Iowa 52801

Direct your questions to the Commission Secretary at 326-7766 or 326-7740.
Fax (563) 328-6714.

1a. What is being done? 1b. What materials are being used? 1c. What changes in appearance will there be?

1a. The GAHC requests to remove the current windows in the eastern elevation on floors 2 and 3 and replace the windows with metal clad windows in the summer of 2017 in the historic building "Germania-Miller/Standard Hotel." There are 5 windows on the 3rd floor and 5 on the 2nd floor to be replaced in this phase. This is the second phase of a project to replace all windows in the building over 3-4 years.

The windows are currently wooden windows installed in 1997-1998 and have deteriorated after just 18-20 years. They are in poor condition and appear to be rotting from the interior of the sill to the exterior (both on the inside of the building and outside of the building). We recently replaced the entire 4th floor's windows on the east and west elevations and south façade with metal clad Marvin windows in 2015 & 2016 after receiving approval from HPC of Davenport as presented by our then director Janet Brown-Lowe on 3/8/16. These windows were in the worst condition, but now our east elevation windows have proven to be failing and have been identified as the windows in the direst condition by Precision Builders, our contractors on this project.

1b. The new windows will be from the same manufacturer as previously used on our 4th floor project phase in 2016 and 2015. These Marvin windows will have the same dimensions as the current windows with a metal clad, dark green finish over wood. The interior is wood, factory primed. All of the windows will be finish painted on the interior with appropriate trim. The size of the panes and the rail and muntin bar dimensions in both upper and lower sashes will be maintained.

5- Marvin brand Clad Ultimate Double Hung- Next Generation RO 37-7/8" x 81-5/16"

5- Marvin brand Clad Ultimate Double Hung- Next Generation RO 36-3/8" x 80-5/16"

1c. The windows will appear to be the same, but be clad in metal. By completing the rest of the east elevation in one phase, the entire east elevation will have the same windows. The new windows match the historical appearance and profile in all significant respects. They will be identical to the windows on the 4th floor that have already been replaced.

2017 East Elevation

Windows to be replaced in 2017:

5 rectangular windows on 3rd floor

5 rectangular windows on 2nd floor

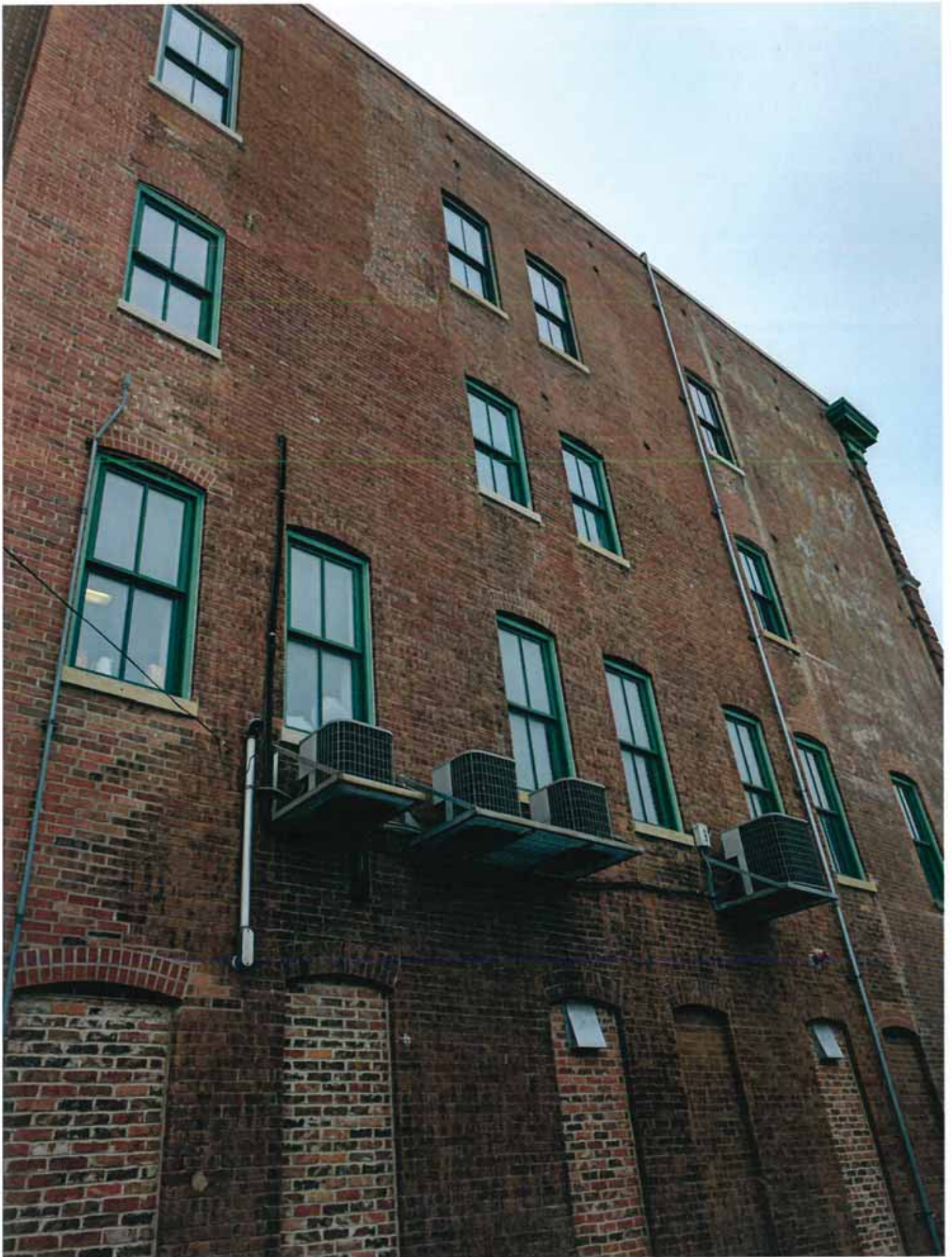
Not in New construction— on north side of east elevation; 4th floor 5 windows have been replaced in 2016



3rd floor →

2nd floor →

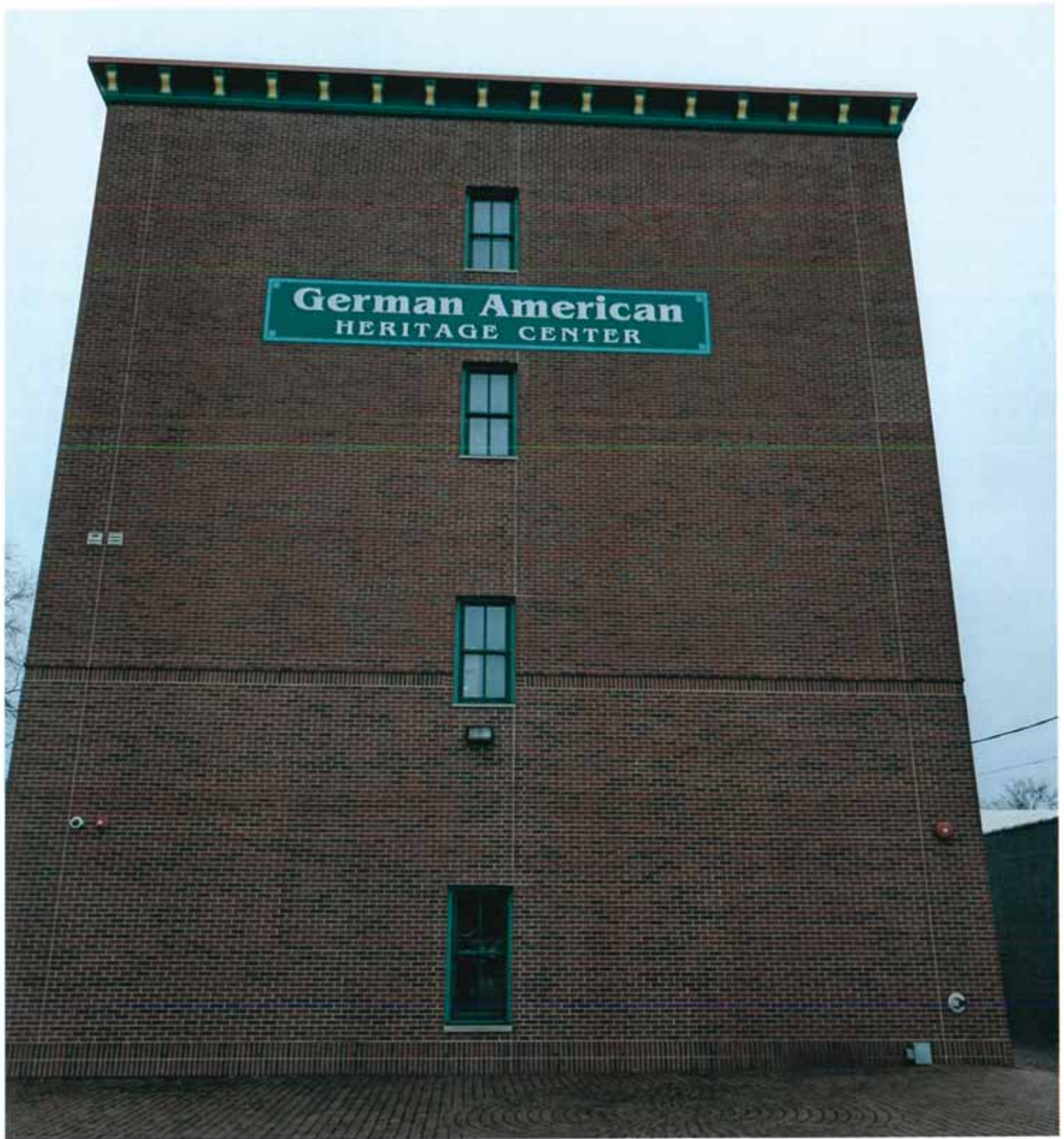




West Elevation 2017 – no work taking place here currently– 4th floor west elevation windows have been replaced.



South façade 2017 – no work taking place here currently– 4th floor windows have been replaced.



North elevation 2017 – no work taking place here currently– this is a new addition added in 2006-2008.

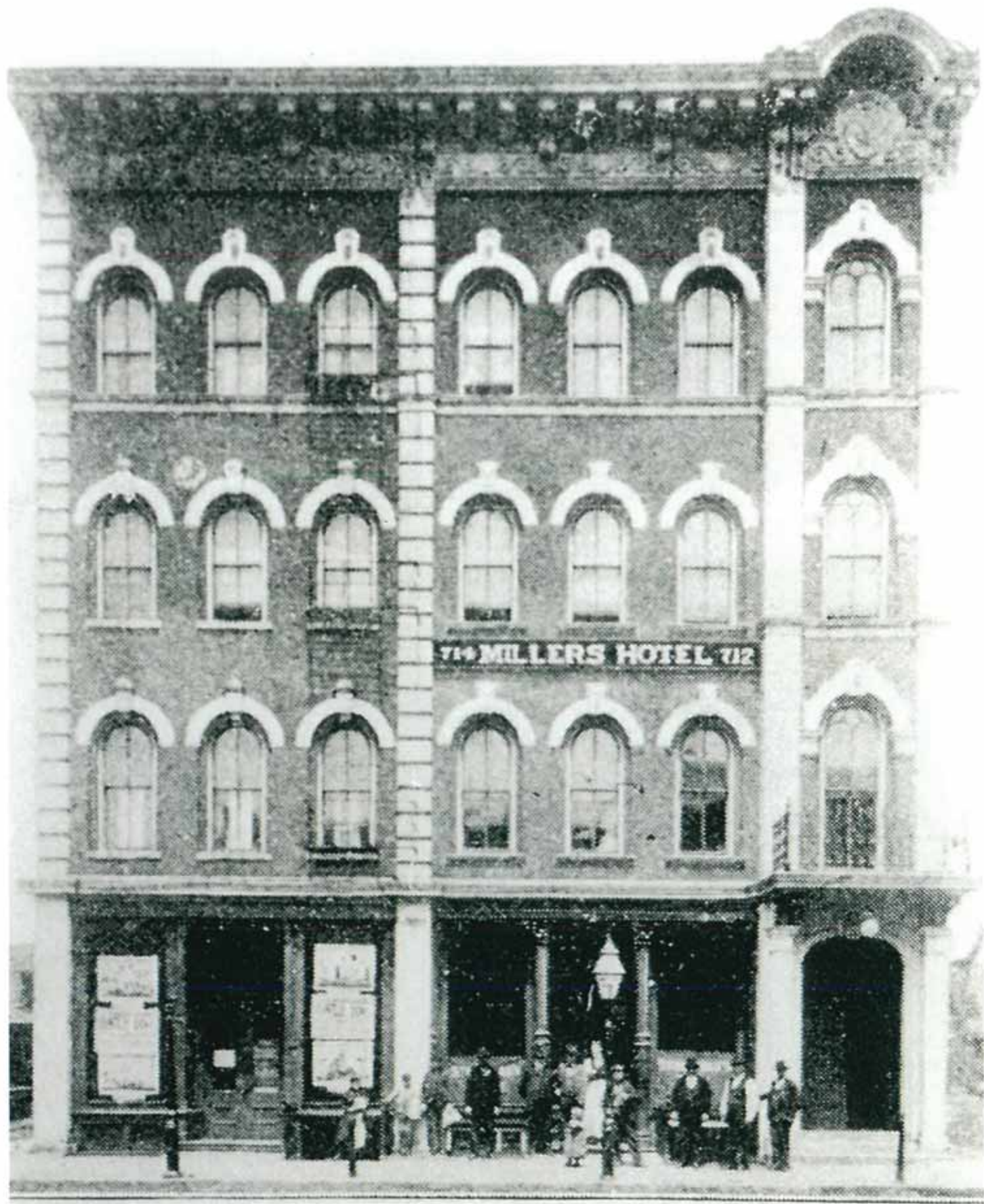


Image of south façade circa 1880



Standard Hotel circa 1940-50

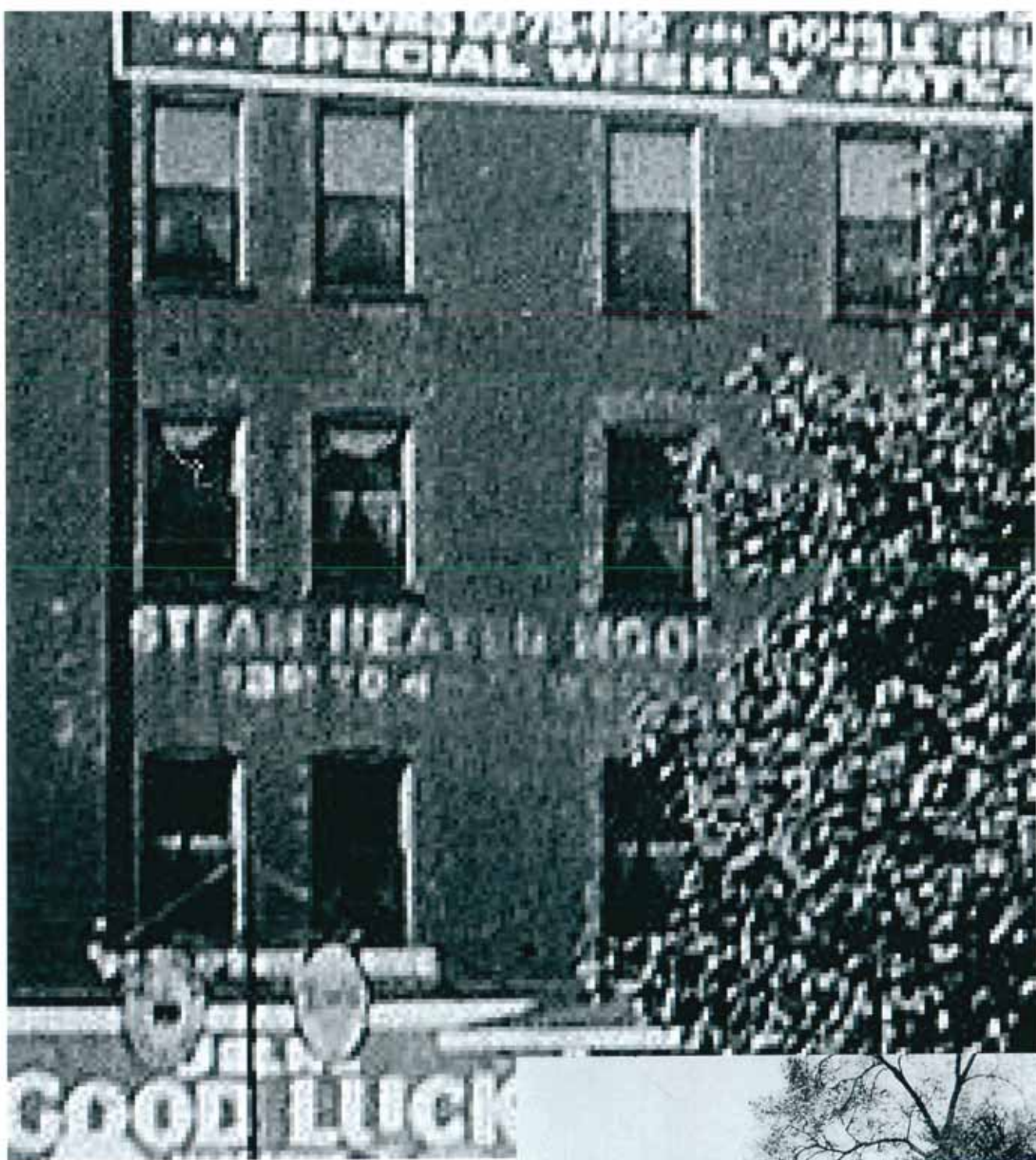
South façade

Windows have filled in arches and aluminum screens. Some have 4 panes, some eight.



Former North elevation of Standard Hotel circa 1940

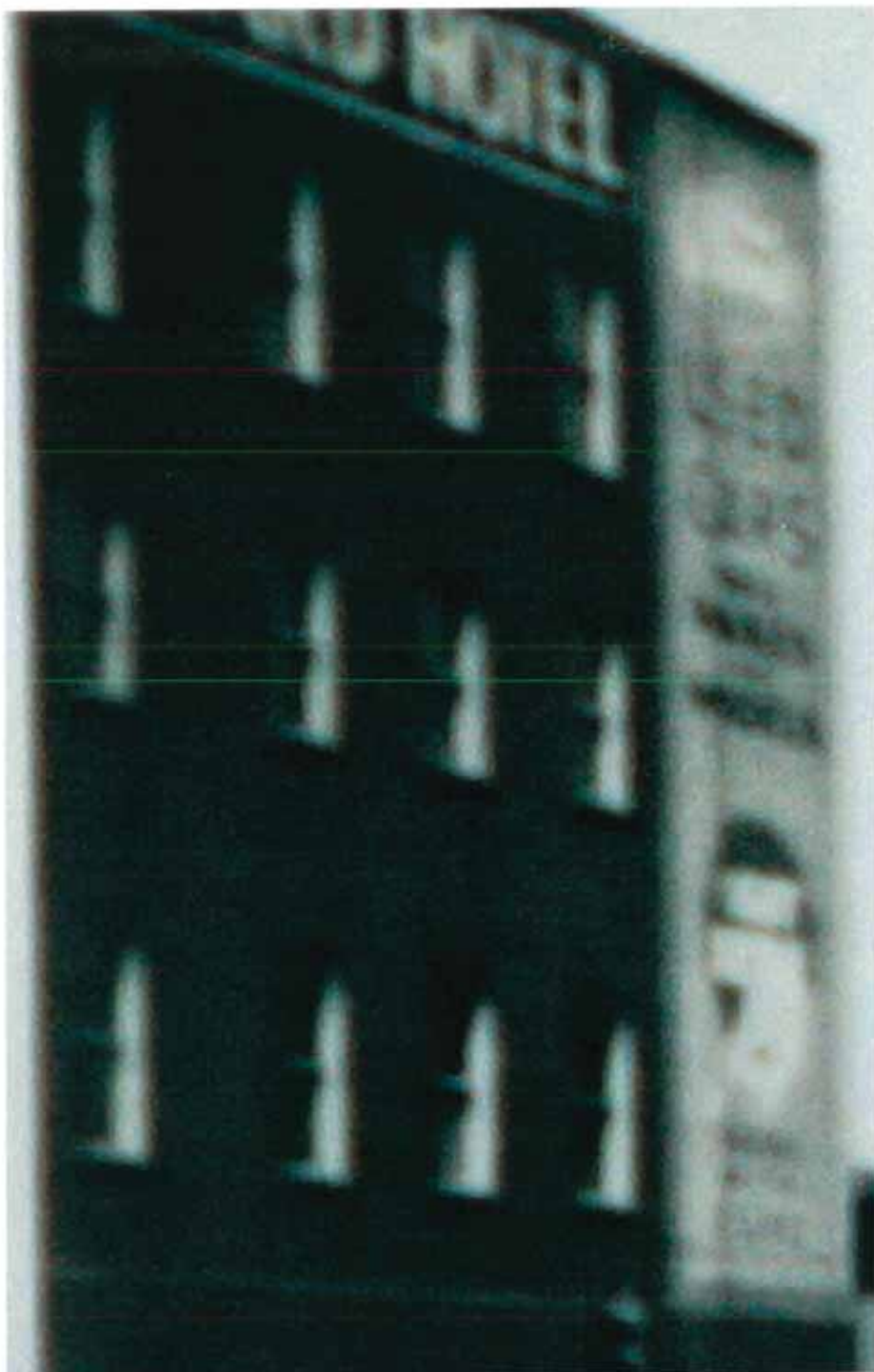
Windows appear to have only 2 panes of glass.



Eastern elevation of then Standard hotel, circa 1940–
Centennial Bridge dedication

Windows appear to have one pane of glass per sash.





East elevation circa 1940

Windows appear to have 1 pane of glass per sash





South façade circa 1994



1997– replacing the windows at time of purchase with wooden windows (that now need replaced)

South façade



1998 construction on the Germania Miller/Standard Hotel

South façade

Windows are new wood windows replacing aluminum windows or plywood.



Arial view-

Window replacement will occur on the East Elevation as indicated by blue box on 2nd and 3rd floors



Eastern elevation- 2nd floor

2016

Windows are deteriorating beginning at corners



2016 eastern elevation— 2nd floor

Windows showing deterioration



2015 East elevation





2017 new Marvin windows on 4th floor— will use same product for east elevation 2nd and 3rd floors



2016 Marvin metal clad windows
Before installation, during and after.

City of Davenport
Historic Preservation Commission

Department: Community Planning and Economic Development
Department
Contact Info: Ryan Rusnak (563) 888-2022
rrusnak@ci.davenport.ia.us

Date
4/11/2017

Subject:

Case No: COA17-04: Certificate of Appropriateness to install a free standing solar electric system at 723 Brown Street. The Paul C. A. F. and Emilie V. (Krause) Karlowa House is located within the Local Historic Hamburg District. Craig Canfield, petitioner.

Recommendation:

Staff recommends approval of COA17-04 in accordance with the work write up and renderings.

Background:

The Ernst and Hermina (Lahrmann) Otto House was constructed c. 1889 in the Queen Anne architecturally style. The property is noted as contributing historically under Criterion A and C within the revised boundary for the Hamburg Historic District in Davenport. The outbuilding is noted as non-contributing within the revised boundary for the Hamburg Historic District in Davenport.

The application proposes to install a free standing solar electric system in the side yard adjacent to the alley.

On October 7, 2014 the Commission held a work session where there was consensus to utilize the National Alliance of Preservation Commissions Sample Guidelines for Solar Panels in Historic Districts.

It is staff's opinion that the proposal achieves consistency with the Sample Guidelines.

ATTACHMENTS:

Type	Description
▣ Backup Material	COA17-04 - Application
▣ Backup Material	Sample Guidelines for Solar Systems in Historic Districts

REVIEWERS:

Department	Reviewer	Action	Date
City Clerk	Rusnak, Ryan	Approved	4/7/2017 - 2:40 PM

APPLICATION BACKGROUND

For issuance of a *CERTIFICATE OF APPROPRIATENESS* to obtain approval of the alteration of the exterior appearance of a local landmark or a structure within the designated local Historic Districts of Hamburg and Annie Wittenmyer.

Before any exterior alteration or construction can occur within a local historic district or landmark property, a Certificate of Appropriateness must be obtained from the Historic Preservation Commission.

The following activities require a Certificate of Appropriateness (COA) and a building permit before work may begin. Other activities not listed here may also require a COA and a building permit.

- Roofing
- Window replacement
- Porch additions or alterations
- Garages (new construction or alterations of existing)
- Building additions
- New construction
- Siding
- Masonry repointing
- Chimney repair and replacement

CERTIFICATE OF APPROPRIATENESS (COA) APPLICATION

Historic Preservation Commission City of Davenport, Iowa

Please provide the following information: (Please type or print)

Property Address: 723 BROWN ST

	Owner	Petitioner (If not Owner)
Name	<u>Craig Canfield</u>	<u></u>
Address (Including Zip)	<u>723 BROWN ST, DAVENPORT IA 52802</u>	<u></u>
Daytime Phone	<u>(563) 322-0550</u>	<u></u>
Evening Phone	<u></u>	<u></u>

(If applicant is different from owner please provide a letter signed by the owner stating his/her support for the petition)

☐ Individual – (name of landmark)

☒ District ☐ Hamburg ☐ Annie Wittenmyer

The Applicant shall submit the following information:

- ☒ A work write-up giving a complete description of the exterior work to be performed, (use enclosed pages to describe work, attach drawings or product information to illustrate changes)
- ☒ One set of 4" by 6" photographs showing all building elevations. Also photographs of detailed areas where work is to be performed.
- ☐ Historic plans, elevations or photographs if the request is to return a structure to an earlier historic appearance.
- ☒ For new construction, in either the form of additions or a new structure constructed on site, a dimensioned site plan, architectural plans, and elevations are required. At a minimum, the material submitted by the petitioner must be sufficient for the commission to clearly understand the work to be performed. (Petitioners may also find that plans, by clearly showing what work is to be performed may result in lower bids and are also useful should there be a dispute between the home owner and the contractor as to the work that was included in the contract).

ONLY WORK DESCRIBED IN THIS APPLICATION MAY BE APPROVED BY THE COMMISSION

PLEASE NOTE: *The Commission may require additional information. The Commission may table the COA until its next meeting, if it feels there is insufficient information to make a good judgment on the proposed COA. Please check with staff prior to completing the application for a copy of the rehabilitation guidelines (if applicable). Also, proposed product samples (i.e., roofing material, siding, windows, paint colors, brackets, balusters, product information and brochures) would greatly assist the commission when considering the application. Consider what would be useful in conveying what you wish to do. If a porch is to be constructed, for example, and the intent is to build something seen on another structure or in a magazine a photograph of that porch or the picture from that magazine would be useful.*

CERTIFICATE OF APPROPRIATENESS (COA) APPLICATION

PLEASE NOTE: The applicant hereby acknowledges and understands the following requirements:

- (1) No Application for a Certificate of Appropriateness will be presented to the Historic Preservation Commission for review until the applicant has submitted all requested information to the Commission Secretary.
- (2) If the owner(s) of record does not intend to appear in person before the Historic Preservation Commission, the owner(s) must submit a letter to the Commission Secretary authorizing an agent to apply for the Certificate of Appropriateness for the proposed rehabilitation prior to the public meeting scheduled to consider said application.
- (3) The applicant is hereby advised and agrees that no work affecting the exterior of the structure and requiring a City permit, may proceed until the Historic Preservation Commission has issued a Certificate of Appropriateness approving said work.
- (4) All applications for Certificates of Appropriateness shall be reviewed using the criteria listed in Subsections 17.23.080 of the 1995 Municipal Code of the City of Davenport, Iowa.
- (5) The Historic Preservation Commission approval does not relieve the applicant from applying for and receiving all appropriate City permits. The applicant must contact the City's Office of Construction Code Enforcement located in the Public Work Facility at East 46th Street and Tremont Avenue (1200 Tremont) to apply for all necessary permits prior to the commencement of said work.
- (6) If the Historic Preservation Commission denies the Application for a Certificate of Appropriateness, the applicant may file a written appeal with the City Clerk within 30 calendar days to bring the issue before the City Council. The appeal fee is \$75.00. (Please see Subsections 17.23.080 G. and H.)
- (7) In the event work has been completed without the required Certificate of Appropriateness, the applicant and persons performing such work shall be charged with a misdemeanor or municipal infraction. Every day each said violation shall continue to exist shall constitute a separate violation. (Please see Section 17.23.130)
- (8) Signing this form grants city staff and members of the Historic Preservation Commission permission to access the yard for which the certificate of appropriateness is sought.

	DocuSigned by:	4/3/2017
Owner(s) 5AFB7D635F9E41E...	zed Agent	Date
Received by: Ryan Rusnak		4/3/17
Commission Secretary or Designee		Date
Date of Historic Preservation Commission Public Meeting:		4/11/2017

All Historic Preservation Commission Public Meetings are held in the City Council Chambers at City Hall on the 2nd Tuesday of every month at 5:00 p.m. unless otherwise notified.

Please return the completed application to the:

Historic Preservation Commission
Community & Economic Development Department
226 W. 4th Street
Davenport, Iowa 52801

Direct your questions to the Commission Secretary at 326-7766 or 326-7740.
Fax (563) 328-6714.

To be filled out by the Applicant

Separately describe each job to be performed on the exterior of the structure and/or property. (Use additional sheets as necessary)

1a. What is being done? 1b. What materials are being used? 1c. What changes in appearance will there be?

Proposed for the property is a ground-mounted solar PV system along the south lot line, west of the garage. The system will be placed in front of the chain-link fence and face the adjacent alley. It will consist of black solar panels with silver frames mounted on schedule 40 steel pipes set in footings. The array will be screened from view on Brown Street by the existing vegetation (see photos) and will replace the evergreen shrub next to garage. The view along the alley will change from a chainlink fence to the solar panels.

2a. What is being done? 2b. What materials are being used? 2c. What changes in appearance will there be?

Attach drawings or product information to illustrate above changes

The Secretary of the Interior's Standards for Rehabilitation

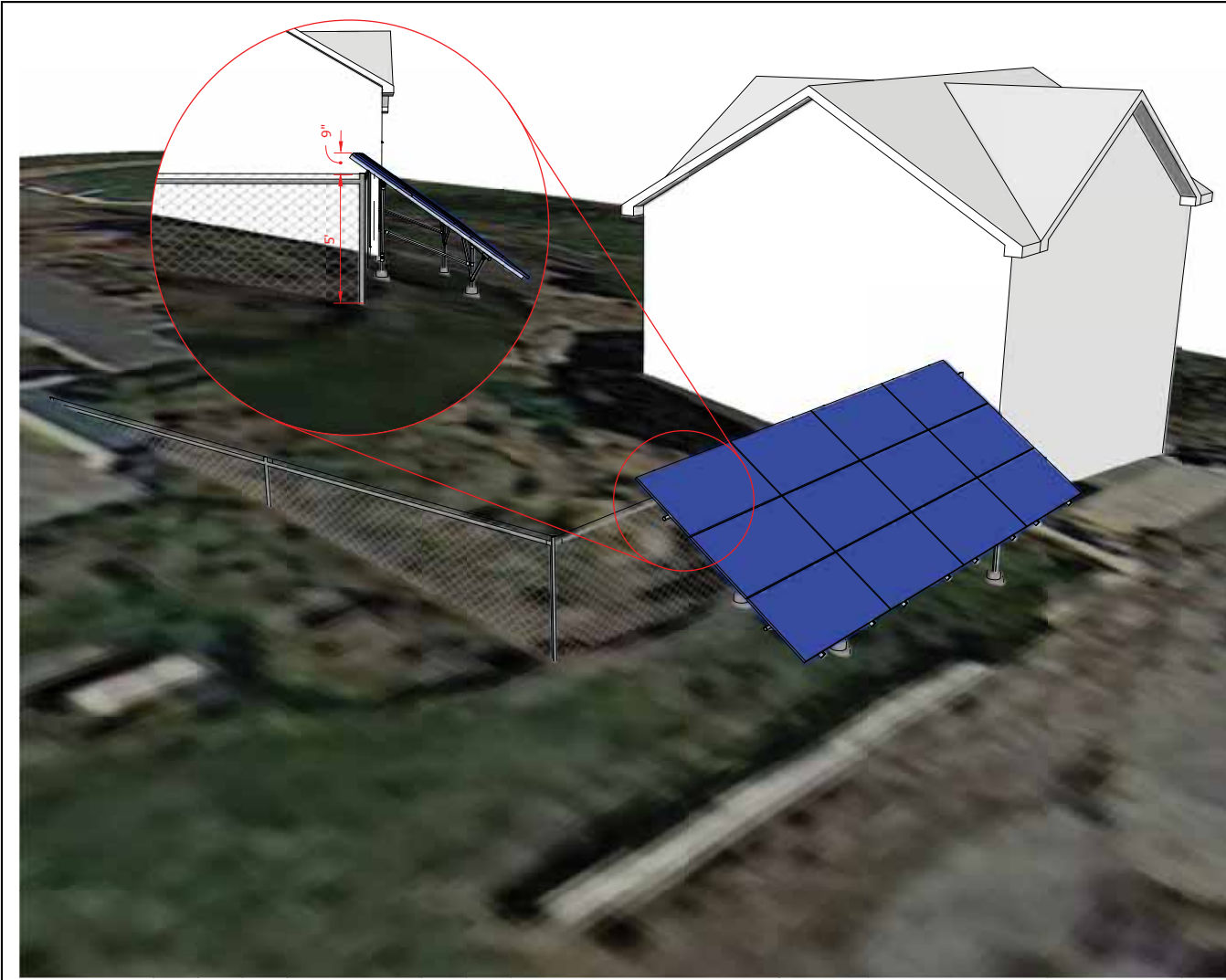
The Secretary of the Interior's Standards for Rehabilitation are ten basic principles created to help preserve the distinctive character of a historic building and its site, while allowing for reasonable change to meet new needs.

The Standards (**36 CFR Part 67**) apply to historic buildings of all periods, styles, types, materials, and sizes. They apply to both the exterior and the interior of historic buildings. The Standards also encompass related landscape features and the building's site and environment as well as attached, adjacent, or related new construction.

Rehabilitation projects must meet the following Standards, as interpreted by the National Park Service, to qualify as "certified rehabilitations" eligible for the 20% rehabilitation tax credit.

The Standards are applied to projects in a reasonable manner, taking into consideration economic and technical feasibility.

1. A property shall be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment.
2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.
3. Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings, shall not be undertaken.
4. Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved.
5. Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a historic property shall be preserved.
6. Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.
7. Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.
8. Significant archeological resources affected by a project shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken.
9. New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.
10. New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.





COMPANY INFORMATION
ALL ENERGY SOLAR, INC
1642 CARROLL AVE
ST PAUL, MN 55104
(800) 620-3370
INFO@ALLENERSOLAR.COM

CLIENT INFORMATION
CRAIG W CANFIELD
723 BROWN ST
DAVENPORT, IA 52802
PO 16272

SYSTEM DETAILS
NOTES:
1. (12) JA SOLAR 350W
MODULES = 4.20kW
2. MOUNTING TYPE:
FLUSH MOUNT
3. (1) SOLAREEDGE
SE3800H-US
INVERTER(S)
4. ARRAY 1:
35° TILT, 180° AZIMUTH

REVISIONS
LAST: 03/2/17 MG

AZIMUTH

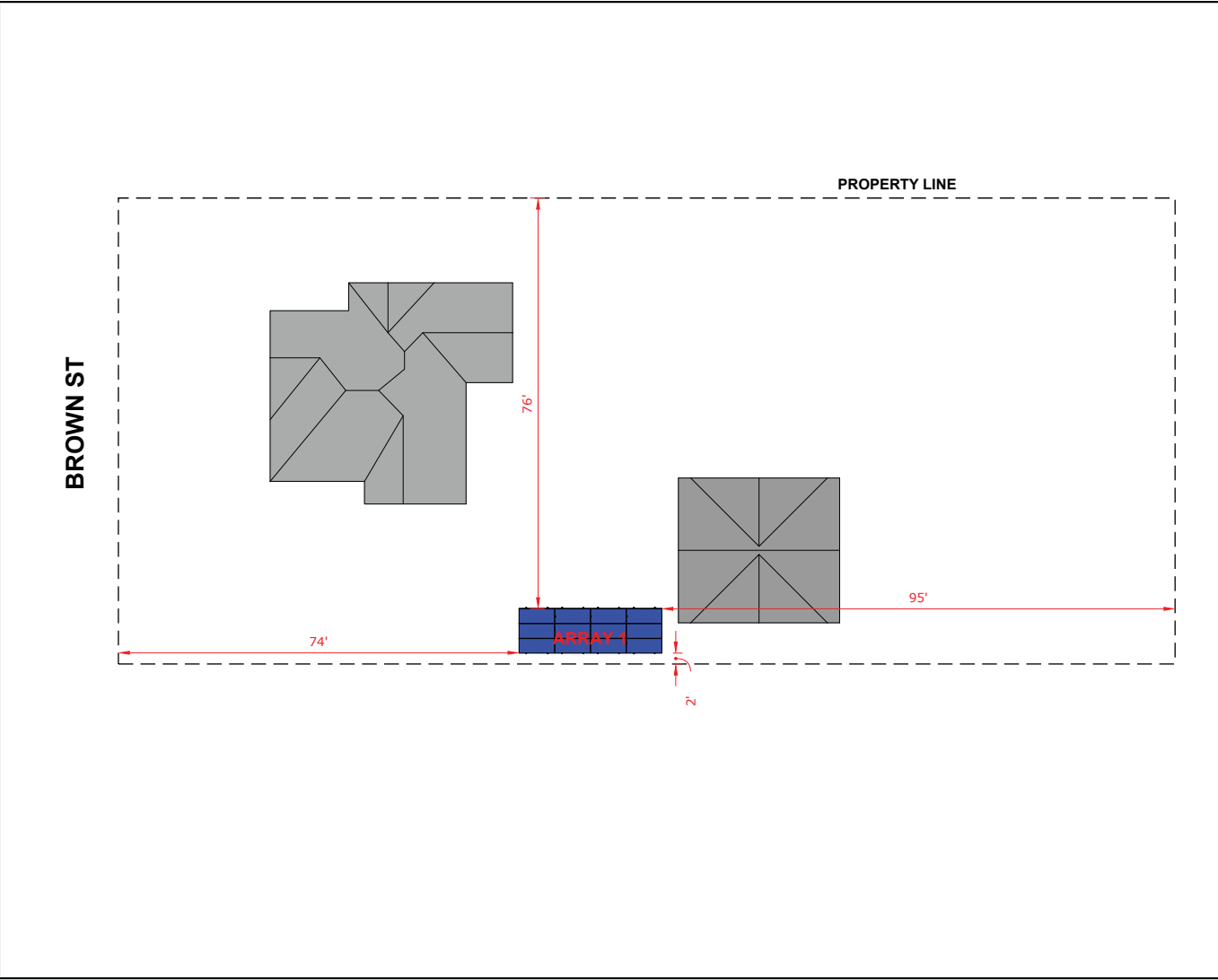

PROJECT-PAGE TITLE

COVER PAGE

PAGE NUMBER

A0

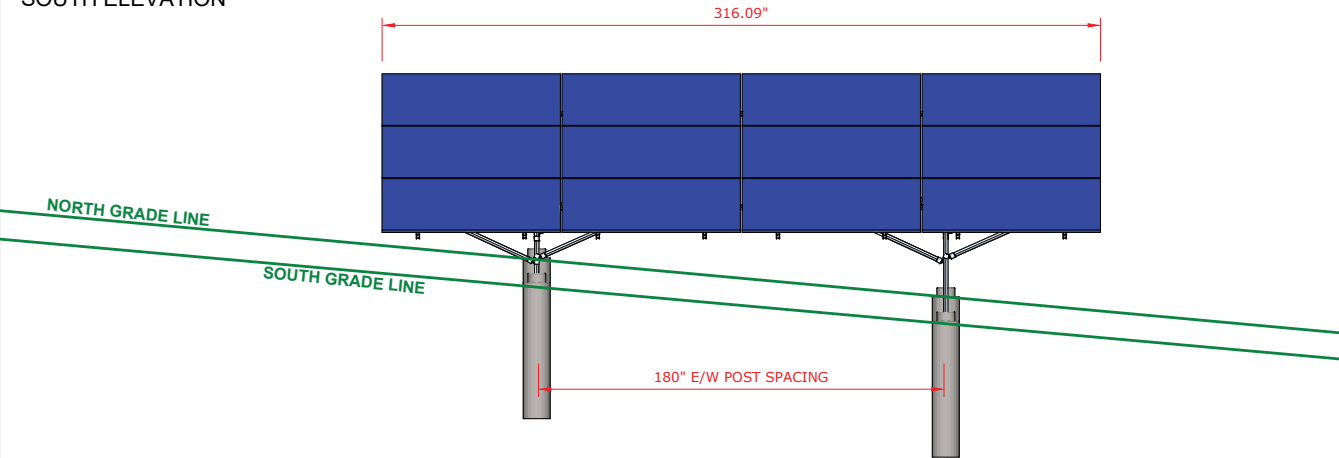




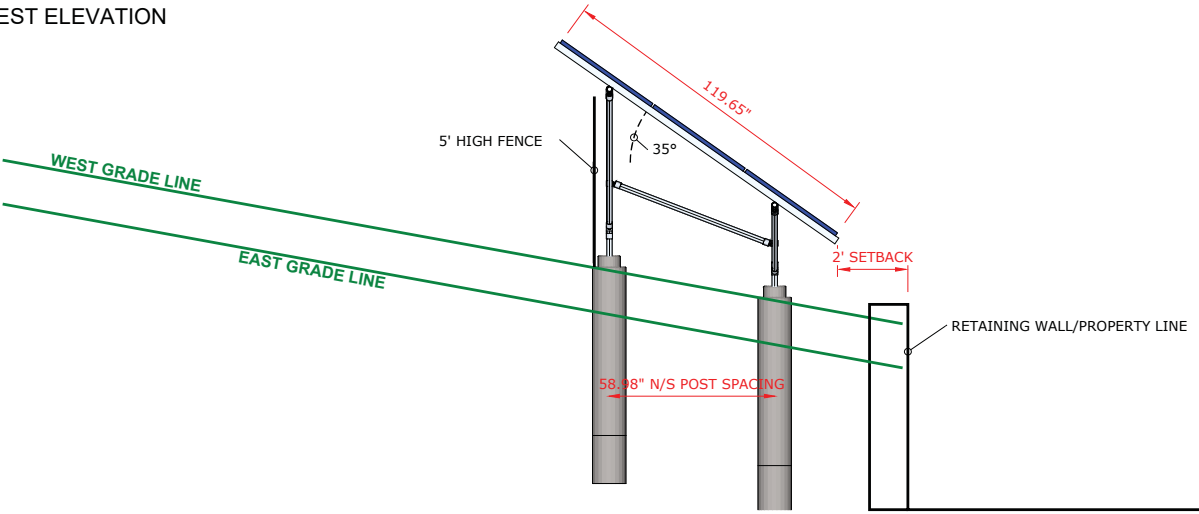

COMPANY INFORMATION
ALL ENERGY SOLAR, INC 1642 CARROLL AVE ST PAUL, MN 55104 (800) 620-3370 INFO@ALLENENERGYSOLAR.COM
CLIENT INFORMATION
CRAIG W CANFIELD 723 BROWN ST DAVENPORT, IA 52802 PO 16272
SYSTEM DETAILS
NOTES: 1. (1) SOLAREEDGE SE3800H-US INVERTER(S) 2. ARRAY 1: 180° AZIMUTH, 35° TILT (12) JA SOLAR 350W = 4.20kW
REVISIONS
LAST: 03/2/17 MG
AZIMUTH

PROJECT-PAGE TITLE
PROPERTY MAP
PAGE NUMBER
A2

SOUTH ELEVATION



WEST ELEVATION



COMPANY INFORMATION

ALL ENERGY SOLAR, INC
1642 CARROLL AVE
ST PAUL, MN 55104
(800) 620-3370
INFO@ALLENENERGYSOLAR.COM

CLIENT INFORMATION

CRAIG W CANFIELD
723 BROWN ST
DAVENPORT, IA 52802
PO 16272

SYSTEM DETAILS

NOTES:

1. ELEVATIONS MAY VARY DEPENDING ON GROUND ELEVATION BUT ARE DRAWN TO THE BEST OF OUR ABILITY

REVISIONS

LAST: 03/2/17 MG

AZIMUTH

PROJECT-PAGE TITLE

ELEVATION
DRAWINGS

PAGE NUMBER

A4

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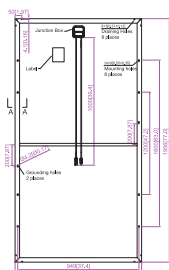
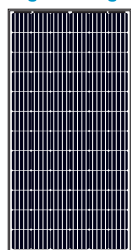








Engineering Drawings



■ customized cable length available upon request

MECHANICAL PARAMETERS

Cell (mm)	Almost Full Square More 156.75x156.75
Weight (kg)	26.5 (approx)
Glass Thickness	4 mm
Dimensions (L*W*H) (mm)	1956*991*45
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	72 (6*12)
Junction Box	IP67, 3 diodes
Connector	M4 Compatible
Packaging Configuration	23 Per Pallet

WORKING CONDITIONS

Maximum System Voltage	DC 1000V (IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	15A
Maximum Static Load, Front	5400Pa (112 lbf/ft ²)
Maximum Static Load, Back	2400Pa (50 lbf/ft ²)
NOCT	45±2°C
Application Class	Class A

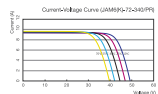
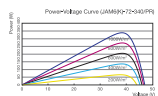
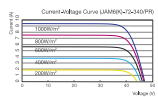
ELECTRICAL PARAMETERS

TYPE	JAM3(K)	JAM3(K)	JAM3(K)	JAM3(K)	JAM3(K)
	-72-335P	-72-335P	-72-340P	-72-343P	-72-350P
Rated Maximum Power at STC (W)	330	335	340	345	350
Open Circuit Voltage (Voc/V)	46.49	47.28	47.86	48.50	49.24
Open Circuit Voltage (Voc/V)	46.49	47.28	47.86	48.50	49.24
Short Circuit Current (Imp/A)	7.31	7.37	7.48	7.59	7.69
Short Circuit Current (Imp/A)	7.31	7.37	7.48	7.59	7.69
Module Efficiency (%)	17.02	17.28	17.54	17.80	18.06
Power Tolerance (W)			-0~+6W		
Temperature Coefficient of Isc (dIs/dT)			+0.060%/°C		
Temperature Coefficient of Voc (dVoc/dT)			-0.330%/°C		
Temperature Coefficient of Pmax (dPmax/dT)			-0.390%/°C		
STC	Irradiance 1000W/m ² Cell Temperature 25°C Air Mass 1.5				

NOCT

TYPE	JAM6/J -72-330/P	JAM5/K -72-335/P	JAM6/K -72-340/P	JAM6/K -72-345/P	JAM6/K -72-350/P
Max Power (Pmax) [W]	241.26	244.92	248.57	252.23	256.89
Open Circuit Voltage (Voc) [V]	42.77	42.97	43.18	43.39	43.61
Max Power Voltage (Vmp) [V]	34.52	34.79	35.06	35.33	35.59
Short Circuit Current (Isc) [A]	7.57	7.63	7.68	7.74	7.81
Max Power Current (Imp) [A]	6.66	6.78	7.09	7.14	7.19
Condition	Under Normal Operating Cell Temperature, Irradiance of 800 W/m ² , spectrum AM 1.5, ambient temperature 20°C				

I-V CURVE



Mono 72/330-350

345W Mono 72Cells
25W > Average



Harvest the Sunshine



Harvest the Sunshine
Premium Cells, Premium Modules

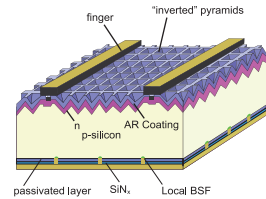


Harvest the Sunshine
Premium Cells, Premium Modules

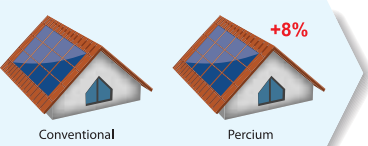
Percium Cell

- The mono cell technology with passivated backside and local BSF
- >20.6% average mass production efficiency

Average Mass Production Efficiency >20.6%



Benefit: 8% More Power



Percium module 345Wp VS Conventional module 320Wp

More Power Per m²

Higher conversion efficiency - more power production per unit area

Lower System Cost

Higher conversion efficiency help you save

- Transportation cost
- Installation cost
- BOS cost

Benefit: Save System Costs Per Watt

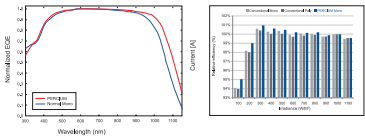


Cost saving estimation made by comparison between 320W and 345W modules

Excellent Low-light Performance

Enhanced spectral response at longer wavelength boosts low-light performance, which can produce more than 3% additional power compared with conventional module at system side,

Benefit:Excellent Low-light Performance



EQE—External quantum efficiency

Relative module efficiency comparison under different irradiance

Source:

High Reliability

- Long-term reliability tests
- Harsh climate environment endurance tests
- PID-resistance tests
- Certified by TÜV SÜD and ETL
- Industry-leading cell technology
- High quality components from best suppliers
- Manufacturing inspected and certified by PI-Berlin and Solar-IF
- 100% in-house automatic manufacturing
- 2X 100% EL inspection ensuring defect-free



Other Features

- Positive power tolerance: 0~+5W
- Modules binned by current to improve system performance
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)

Comprehensive Certificates

- IEC 61215, IEC 61730, UL1703, CEC Listed, MCS and CE
- ISO 9001: 2008: Quality management systems
- ISO 14001: 2004: Environmental management systems
- BS OHSAS 18001: 2007: Occupational health and safety management systems
- Environmental policy: The first solar company in China to complete Intertek's carbon footprint evaluation program and receive green leaf mark verification for our products



Specifications subject to technical changes and tests. JA Solar reserves the right of final interpretation.

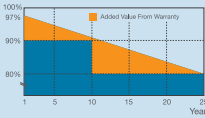
JA Solar Holdings Co., Ltd.

JA Solar Holdings Co., Ltd. is a world leading manufacturer of high-performance solar power products that convert sunlight into electricity for residential, commercial and utility-scale power generation. The company was founded in May 2005 and publicly listed on NASDAQ in February 2007. JA Solar has been the world's leading cell producer since 2010, and has firmly established itself as a tier 1 module supplier since 2012. Capitalizing on our strength in solar cell technology, we are committed to provide modules with unparalleled conversion efficiency, yield efficiency, and reliability to enable you to maximize your returns on PV projects. With its leading industry experience, continuous effort on R&D, customer-oriented service and sound financial status, JA Solar is your best choice of long-term trustworthy partner.

Add: Building No.8, Nuode Center, Automobile Museum East Road, Fengtai District, Beijing
Tel: +86 (10) 63611888
Fax: +86 (10) 63611999
Email: sales@jasolar.com market@jasolar.com

Product Warranty

- 10-year product warranty
- 25-year linear power warranty



Additional Insurance Options



Partner Section



SolarEdge Single Phase Inverters for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US /
SE7600H-US



INVERTERS

Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
- Record-breaking efficiency
- Integrated arc fault protection for NEC 2011 690.11 and integrated rapid shutdown for NEC 2014 690.12
- Extremely small
- High reliability without any electrolytic capacitors
- Built-in module-level monitoring
- Outdoor and indoor installation
- Optional: Revenue grade data, ANSI C12.20 Class 0.5 (0.5% accuracy)





Single Phase Inverters for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US / SE7600H-US

	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	
OUTPUT						
Rated AC Power Output	3000	3800	5000	6000	7600	VA
Max. AC Power Output	3000	3800	5000	6000	7600	VA
AC Output Voltage Min.-Nom.-Max. (183 - 208 - 229)	-	-	✓	-	-	Vac
AC Output Voltage Min.-Nom.-Max. (211 - 240 - 264)	✓	✓	✓	✓	✓	Vac
AC Frequency (Nominal)	59.3 - 60 - 60.5 ⁽¹⁾					Hz
Maximum Continuous Output Current 208V	-	-	24	-	-	A
Maximum Continuous Output Current 240V	12.5	16	21	25	32	A
GFDI Threshold	1					A
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes					
INPUT						
Maximum DC Power	4650	5900	7750	9300	11800	W
Transformer-less, Ungrounded	Yes					
Maximum Input Voltage	480					Vdc
Nominal DC Input Voltage	380				400	Vdc
Maximum Input Current 208V	-	-	15.5	-	-	Adc
Maximum Input Current 240V	8.5	10.5	13.5	16.5	20	Adc
Max. Input Short Circuit Current	45					Adc
Reverse-Polarity Protection	Yes					
Ground-Fault Isolation Detection	600k Ω Sensitivity					
Maximum Inverter Efficiency	99	99.2				%
CEC Weighted Efficiency	99					%
Nighttime Power Consumption	< 2.5					W
SELF-SUSTAINING POWER OUTLET (OPTIONAL)						
Nominal Output Voltage	120					V
Maximum Output Power	1500 ⁽²⁾					W
External Outlet with GFDI	Yes					
ADDITIONAL FEATURES						
Supported Communication Interfaces	RS485, Ethernet, ZigBee (optional), Cellular (optional)					
Revenue Grade Data, ANSI C12.20	Optional ⁽³⁾					
Rapid Shutdown - NEC 2014 690.12	Automatic Rapid Shutdown upon AC Grid Disconnect					
STANDARD COMPLIANCE						
Safety	UL1741, UL1699B, CSA C22.2, Canadian AFCI according to T.I.L. M-07					
Grid Connection Standards	IEEE1547, Rule 21, Rule14 (HI)					
Emissions	FCC Part 15 Class B					
INSTALLATION SPECIFICATIONS						
AC Output Conduit Size / AWG Range	0.75-1" Conduit / 14-6 AWG					
DC Input Conduit Size / # of Strings / AWG Range	0.75-1" Conduit /1-2 strings / 14-6 AWG					
Dimensions with Safety Switch (HxWxD)	17.7 x 14.6 x 6.8 / 450 x 370 x 174					in / mm
Weight with Safety Switch	25.3 / 11.5					lb / kg
Noise	< 25					dBA
Cooling	Natural Convection					
Operating Temperature Range	-13 to +140 / -25 to +60 ⁽⁴⁾ (-40°F / -40°C option) ⁽⁵⁾					°F / °C
Protection Rating	NEMA 3R (Inverter with Safety Switch)					

⁽¹⁾ For other regional settings please contact SolarEdge support

⁽²⁾ Depends on PV availability

⁽³⁾ Revenue grade inverter P/N: SExxxxH-US000NNC2

⁽⁴⁾ Power de-rating from 50°C

⁽⁵⁾ -40 version P/N: SExxxxH-US000NNU4



RoHS



SolarEdge Power Optimizer

Module Add-On For North America

P300 / P320 / P400 / P405



POWER OPTIMIZER

PV power optimization at the module-level

- Up to 25% more energy
- Superior efficiency (99.5%)
- Mitigates all types of module mismatch losses, from manufacturing tolerance to partial shading
- Flexible system design for maximum space utilization
- Fast installation with a single bolt
- Next generation maintenance with module-level monitoring
- Module-level voltage shutdown for installer and firefighter safety



SolarEdge Power Optimizer

Module Add-On for North America

P300 / P320 / P400 / P405

	P300 (for 60-cell modules)	P320 (for high-power 60-cell modules)	P400 (for 72 & 96-cell modules)	P405 (for thin film modules)	
INPUT					
Rated Input DC Power ⁽¹⁾	300	320	400	405	W
Absolute Maximum Input Voltage (Voc at lowest temperature)	48		80	125	Vdc
MPPT Operating Range	8 - 48		8 - 80	12.5 - 105	Vdc
Maximum Short Circuit Current (Isc)	10	11		10	Adc
Maximum DC Input Current	12.5	13.75		12.5	Adc
Maximum Efficiency			99.5		%
Weighted Efficiency			98.8		%
Overvoltage Category			II		
OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING SOLAREEDGE INVERTER)					
Maximum Output Current			15		Adc
Maximum Output Voltage		60		85	Vdc
OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM SOLAREEDGE INVERTER OR SOLAREEDGE INVERTER OFF)					
Safety Output Voltage per Power Optimizer			1		Vdc
STANDARD COMPLIANCE					
EMC		FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3			
Safety		IEC62109-1 (class II safety), UL1741			
RoHS		Yes			
INSTALLATION SPECIFICATIONS					
Maximum Allowed System Voltage		1000			Vdc
Compatible inverters		All SolarEdge Single Phase and Three Phase inverters			
Dimensions (W x L x H)	128 x 152 x 27.5 / 5 x 5.97 x 1.08		128 x 152 x 35 / 5 x 5.97 x 1.37	128 x 152 x 48 / 5 x 5.97 x 1.89	mm / in
Weight (including cables)	770 / 1.7		930 / 2.05	930 / 2.05	gr / lb
Input Connector		MC4 Compatible			
Output Wire Type / Connector		Double Insulated; MC4 Compatible			
Output Wire Length	0.95 / 3.0			1.2 / 3.9	m / ft
Operating Temperature Range		-40 - +85 / -40 - +185			°C / °F
Protection Rating		IP68 / NEMA6P			
Relative Humidity		0 - 100			%

⁽¹⁾ Rated STC power of the module. Module of up to +5% power tolerance allowed.

PV SYSTEM DESIGN USING A SOLAREEDGE INVERTER ⁽²⁾	SINGLE PHASE	THREE PHASE 208V	THREE PHASE 480V	
Minimum String Length (Power Optimizers)	8	10	18	
Maximum String Length (Power Optimizers)	25	25	50	
Maximum Power per String	5250	6000	12750	W
Parallel Strings of Different Lengths or Orientations		Yes		

⁽²⁾ It is not allowed to mix P405 with P300/P400/P600/P700 in one string.





National Alliance of Preservation Commissions

Sample Guidelines for Solar Systems in Historic Districts

education + advocacy + training

The rapidly growing trend toward retrofitting homes to be more energy efficient has brought an increase in the number of applications for installing solar energy systems on buildings within locally designated historic districts. The increase in solar systems applications in recent years has prompted numerous local preservation commissions to hastily develop guidelines for them with varying degrees of success.

The following Sample Guidelines for Solar Systems for Locally Designated Historic Properties were developed in 2009 by Kimberly Kooles, NAPC support staff and revised by Caty Rushing in 2011. They are intended to serve as a starting point for local preservation commissions developing their own guidelines for solar systems.



Types of Systems:

- **Photovoltaic**

A photovoltaic system (or PV system) is a system which uses one or more solar panels to convert sunlight into electricity. It consists of multiple components, including the photovoltaic modules, mechanical and electrical connections and mountings and means of regulating and/or modifying the electrical output.



- **Solar Shingles**

Solar shingles, also called photovoltaic shingles, are solar cells designed to look like conventional asphalt shingles. There are several varieties of solar shingles, including shingle-sized solid panels that take the place of a number of conventional shingles in a strip, semi-rigid designs containing several silicon solar cells that are sized more like conventional shingles, and newer systems using various thin film solar cell technologies that match conventional shingles both in size and flexibility



- **Freestanding**

Freestanding PV panels or freestanding arrays allow the benefits of renewable solar power without disrupting the roofline or altering the house. They are placed away from the residence and connected through an underground wiring. When a roof may be blocked by trees or not receiving direct sunlight, the mobility of a freestanding panel allows the ability to move into optimal sunlight areas that may change seasonally.



Sample Guidelines for Solar Systems for Locally Designated Historic Projects

When planning the installation of solar panels the overall objective is to preserve character-defining features and historic fabric while accommodating the need for solar access to the greatest extent possible. All solar panel installations must be considered on a case by case basis recognizing that the best option will depend on the characteristics of the property under consideration. Some guidelines apply to virtually all installation options and are repeated in each section.

All solar panel installations should conform to the Secretary of the Interior's Standards for Rehabilitation.

Applicable Standards are:

Standard Two: The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.

Standard Nine: New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.



1 Primary Elevations

For most properties, locating solar panels on the primary facade is the least desirable option because it will have the greatest adverse effect on the property's character defining features. All other options should be thoroughly explored.

- Utilization of low-profile solar panels is recommended. Solar shingles laminates, glazing, or similar materials should not replace original or historic materials. Use of solar systems in windows or on walls, siding, and shutters should be avoided.
- Panels should be installed flat and not alter the slope of the roof. Installation of panels must be reversible and not damage to the historic integrity of the resource and district.
- Solar panels should be positioned behind existing architectural features such as parapets, dormers, and chimneys to limit their visibility.
- Use solar panels and mounting systems that are compatible in color to established roof materials. Mechanical equipment associated with the photovoltaic system should be treated to be as unobtrusive as possible.



These solar panels low profile and location make them unobtrusive even though they are visible from the public right of way. Photo by Paul Trudeau

2 Secondary Elevations

- Solar panels should be installed on rear slopes or other locations not easily visible from the public right-of-way. Panels should be installed flat and not alter the slope of the roof. Installation of panels must be reversible and not damage the historic integrity of the resource and district.
- Flat roof structures should have solar panels set back from the roof edge to minimize visibility. Pitch and elevation should be adjusted to reduce visibility from public right-of-way.
- Solar panels should be positioned behind existing architectural features such as parapets, dormers, and chimneys to limit their visibility.

2 Secondary Elevations (Continued)

- Use solar panels and mounting systems that are compatible in color to established roof materials. Mechanical equipment associated with the solar panel system should be painted or treated to be as unobtrusive as possible
- Use of solar systems in non-historic windows or on walls, siding, or shutters should be installed as to limit visibility from the public right of way.

3 Historic Accessory Structures



Solar panels placed on an accessory structure not visible from the public right of way should still follow the slope of the roof and have a low profile. Photo courtesy of Dan Corson

- Solar panels should be installed on rear slopes or other locations not highly visible from the public right-of-way. Panels should be installed flat and not alter the slope of the roof. Installation of panels must be reversible and not damage the historic integrity of the resource and district.
- Flat roof structures should have solar panel installations set back from the roof edge to minimize visibility. Pitch and elevation should be adjusted to reduce visibility from public right-of-way.
- Solar panel installations should be positioned behind existing architectural features such as parapets, dormers, and chimneys to limit their visibility.
- Use solar panels and mounting systems that are compatible in color to the property's roof materials. Mechanical equipment associated with the photovoltaic system should be as unobtrusive as possible.
- Use of solar systems in non-historic windows or on walls, siding and shutters should be installed as to limit visibility from the public right of way.

4 Freestanding or Detached

- Freestanding or detached on-site solar panels should be installed in locations that minimize visibility from the public right of way. These systems should be screened from the public right of way with materials elsewhere in the district such as fencing or vegetation of suitable scale for the district and setting.



- Placement and design should not detract from the historic character of the site or destroy historic landscape materials.

Freestanding solar panels should be installed in locations that minimize visibility from the public right of way.

Consideration to the visibility of solar panels from neighboring properties should be taken, without infringing upon the required solar access.

5 New Construction On-Site

- Solar panels should be integrated into the initial design of new construction or infill projects, when possible, to assure cohesion of design within a historic context.
- Solar panels should be installed on rear slopes or other locations not highly visible from the public right of way whenever possible. Panels should be installed flat and not alter the slope of the roof.
- Flat roof structures should have solar panels set back from the roof edge to minimize visibility. Pitch and elevation should be adjusted to reduce visibility from the public right-of-way.
- Use solar panels and mounting systems that are compatible in color to established roof materials. Mechanical equipment associated with the solar panel system should be treated to be as unobtrusive as possible.
- Use of solar systems in windows or on walls, siding, or shutters should be installed with limited visibility from the public right-of-way.

Not Recommended for Any Reason

- Removal of historic roofing materials during the installation of solar systems.
- Removing or otherwise altering historic roof configuration – dormers, chimneys, or other features – to add solar systems.
- Any other installation procedure that will cause irreversible changes to historic features or materials.

When considering retrofitting measures, historic building owners should keep in mind that there are no permanent solutions. One can only meet the standards being applied today with today's materials and techniques. In the future, it is likely that the standards and the technologies will change and a whole new retrofitting plan may be necessary. Thus, owners of historic buildings should limit retrofitting measures to those that achieve reasonable energy savings, at reasonable costs, with the least intrusion or impact on the character of the building.

(National Park Service. Preservation Brief 3: Conserving Energy in Historic Buildings. Available from <http://www.nps.gov/history/hps/TPS/briefs/brief03.htm#Preservation%20Retrofitting>. Accessed on August 10, 2009.)



"Helping local preservation commissions succeed
through education, advocacy, and training"

NAPC • P.O. BOX 1605 • ATHENS, GA 30603 •
706-369-5881

City of Davenport
Historic Preservation Commission

Department: Community Planning and Economic Development
Department
Contact Info: Ryan Rusnak (563) 888-2022
rrusnak@ci.davenport.ia.us

Date
4/11/2017

Subject:

Case No: COA17-05: Certificate of Appropriateness to remove and repair windows, repair and replace soffit, fascia and other trim, replace front and back door and tuckpoint foundation at 830 West 6th Street. The German Methodist Episcopal Church is located within the Local Historic Hamburg District. Kathy Hunley, petitioner.

Recommendation:

Staff recommends approval of COA17-05 in accordance with the work write up (excluding the front and back door) subject to the following conditions:

1. That any wood replaced be a replacement-in-kind with respect to style and material; and
2. That a mortar analysis be performed and custom mortar to utilized for any tuckpointing.

Background:

German Methodist Episcopal Church was built c. 1860 and is noted as contributing historically under Criterion A, B and C within the revised boundary for the Hamburg Historic District in Davenport.

The petitioner acquired the property from Joe Seng's estate. Staff agrees with making general repairs and replacing features, which are a replacement-in-kind. However, no detail has been provided on the existing front or rear door or their replacements.

ATTACHMENTS:

Type	Description
▣ Backup Material	South and East Building Elevations
▣ Backup Material	North and West Building Elevations
▣ Backup Material	COA17-05 Application

REVIEWERS:

Department	Reviewer	Action	Date
City Clerk	Rusnak, Ryan	Approved	4/7/2017 - 2:40 PM



KEEP OUT



CERTIFICATE OF APPROPRIATENESS (COA)
APPLICATION

**Historic Preservation Commission
City of Davenport, Iowa**

Please provide the following information: (Please type or print)

Property Address: 830 W 6th STREET

	Owner	Petitioner (If not Owner)
Name	<u>Kathy L Hunley</u>	
Address (Including Zip)	<u>924 W 6th ST 52802</u>	
Daytime Phone	<u>H 563 528-9223</u>	
Evening Phone	<u>C 563 949-9333</u>	

(If applicant is different from owner please provide a letter signed by the owner stating his/her support for the petition)

- ☐ Individual – (name of landmark) _____
- ☐ District ☒ Hamburg ☐ Annie Wittenmyer

The Applicant shall submit the following information:

- ☐ A work write-up giving a complete description of the exterior work to be performed, (use enclosed pages to describe work, attach drawings or product information to illustrate changes)
- ☐ One set of 4" by 6" photographs showing all building elevations. Also photographs of detailed areas where work is to be performed.
- ☐ Historic plans, elevations or photographs if the request is to return a structure to an earlier historic appearance.
- ☐ For new construction, in either the form of additions or a new structure constructed on site, a dimensioned site plan, architectural plans, and elevations are required. At a minimum, the material submitted by the petitioner must be sufficient for the commission to clearly understand the work to be performed. (Petitioners may also find that plans, by clearly showing what work is to be performed may result in lower bids and are also useful should there be a dispute between the home owner and the contractor as to the work that was included in the contract).

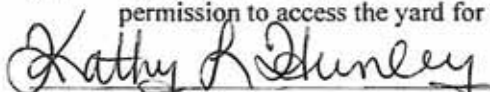
ONLY WORK DESCRIBED IN THIS APPLICATION MAY BE APPROVED BY THE COMMISSION

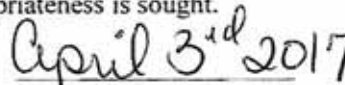
PLEASE NOTE: *The Commission may require additional information. The Commission may table the COA until its next meeting, if it feels there is insufficient information to make a good judgment on the proposed COA. Please check with staff prior to completing the application for a copy of the rehabilitation guidelines (if applicable). Also, proposed product samples (i.e., roofing material, siding, windows, paint colors, brackets, balusters, product information and brochures) would greatly assist the commission when considering the application. Consider what would be useful in conveying what you wish to do. If a porch is to be constructed, for example, and the intent is to build something seen on another structure or in a magazine a photograph of that porch or the picture from that magazine would be useful.*

CERTIFICATE OF APPROPRIATENESS (COA) APPLICATION

PLEASE NOTE: The applicant hereby acknowledges and understands the following requirements:

- (1) No Application for a Certificate of Appropriateness will be presented to the Historic Preservation Commission for review until the applicant has submitted all requested information to the Commission Secretary.
- (2) If the owner(s) of record does not intend to appear in person before the Historic Preservation Commission, the owner(s) must submit a letter to the Commission Secretary authorizing an agent to apply for the Certificate of Appropriateness for the proposed rehabilitation prior to the public meeting scheduled to consider said application.
- (3) The applicant is hereby advised and agrees that no work affecting the exterior of the structure and requiring a City permit, may proceed until the Historic Preservation Commission has issued a Certificate of Appropriateness approving said work.
- (4) All applications for Certificates of Appropriateness shall be reviewed using the criteria listed in Subsections 17.23.080 of the 1995 Municipal Code of the City of Davenport, Iowa.
- (5) The Historic Preservation Commission approval does not relieve the applicant from applying for and receiving all appropriate City permits. The applicant must contact the City's Office of Construction Code Enforcement located in the Public Work Facility at East 46th Street and Tremont Avenue (1200 Tremont) to apply for all necessary permits prior to the commencement of said work.
- (6) If the Historic Preservation Commission denies the Application for a Certificate of Appropriateness, the applicant may file a written appeal with the City Clerk within 30 calendar days to bring the issue before the City Council. The appeal fee is \$75.00. (Please see Subsections 17.23.080 G. and H.)
- (7) In the event work has been completed without the required Certificate of Appropriateness, the applicant and persons performing such work shall be charged with a misdemeanor or municipal infraction. Every day each said violation shall continue to exist shall constitute a separate violation. (Please see Section 17.23.130)
- (8) Signing this form grants city staff and members of the Historic Preservation Commission permission to access the yard for which the certificate of appropriateness is sought.


Owner(s) of Record or Authorized Agent


Date

Received by: Ryan Rusnak
Commission Secretary or Designee

4-3-17
Date

Date of Historic Preservation Commission Public Meeting:

4-11-17

All Historic Preservation Commission Public Meetings are held in the City Council Chambers at City Hall on the 2nd Tuesday of every month at 5:00 p.m. unless otherwise notified.

Please return the completed application to the:

Historic Preservation Commission
Community & Economic Development Department
226 W. 4th Street
Davenport, Iowa 52801

Direct your questions to the Commission Secretary at 326-7766 or 326-7740.
Fax (563) 328-6714.

To be filled out by the Applicant

Separately describe each job to be performed on the exterior of the structure and/or property. (Use additional sheets as necessary)

1a. What is being done? 1b. What materials are being used? 1c. What changes in appearance will there be?

1A. Remove ALL windows. Secure upper & lower sashes with new wood. Replace exterior AND interior windowsills, Replace interior casing, head jambs, aprons, muntins, TOP RAIL, side jambs meeting rails with new Lumber. Keep all painted glass. Replace broken ones with new ones.

B. New Lumber

C. Replace missing glass or broken ones with new painted glass

2a. What is being done? 2b. What materials are being used? 2c. What changes in appearance will there be?

A. Repairing old under soffits AND fascia boards
Replacing new

B. New Lumber stained

C. gutters are to be added

Attach drawings or product information to illustrate above changes

To be filled out by the Applicant

3a. What is being done? 3b. What materials are being used? 3c. What changes in appearance will there be?

- A Replace Jam, hinges, header, cornice, entablature, threshold, casing Front Door
Back Door
- B Wooden Door
Wood. Exterior
- C New material

4a. What is being done? 4b. What materials are being used? 4c. What changes in appearance will there be?

- A. Secure tuckpoint stone foundation will help of grant from state. Replace missing stone to secure basement for safety.
- B. MORTAR - STONES
- C. NONE appearance will match original MORTAR

Attach drawings or product information to illustrate above changes

To be filled out by the Applicant

5a. What is being done? 5b. What materials are being used? 5c. What changes in appearance will there be?

A. New construction meter & Service
panel installed

B New meter
ONE ELECTRICAL outlet for construction
by L & L electric

6a. What is being done? 6b. What materials are being used? 6c. What changes in appearance will there be?

Attach drawings or product information to illustrate above changes

Historic Foundations

19th Century Limestone Building Restoration



Basements, Barns & Commercial

Stone Wall Reconstruction, Stabilization,
Tuck Pointing & Repointing

Certified in Historic Restoration with
Quality "Old World" Craftsmanship

John C. Pischke, DeWitt, IA

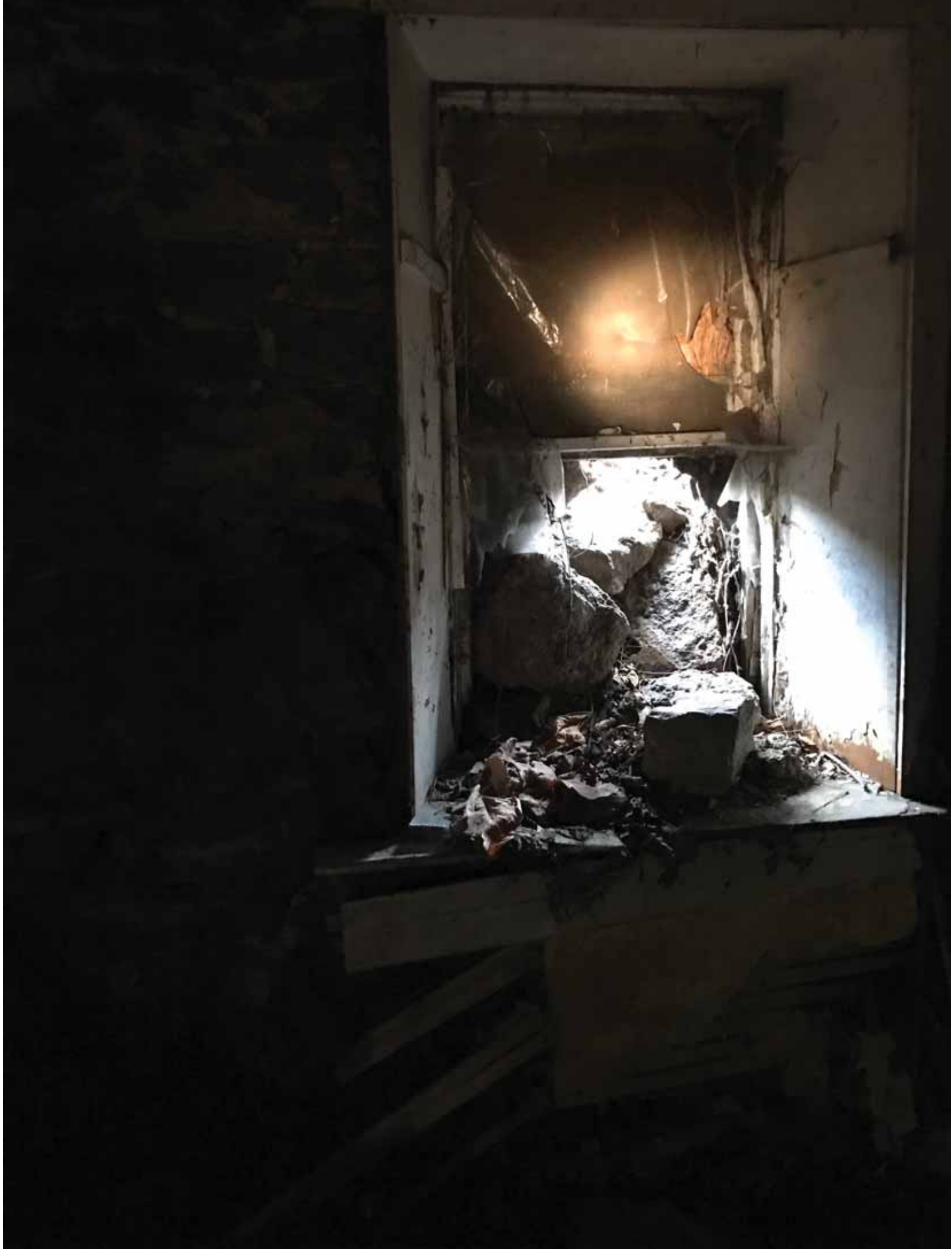
563-659-3476

My name is John Pischke. I'm a lime
Trained by a longtime master, I became certifi
Building Restoration. My schooling was made p
State of Iowa in its attempt to revive the nearly lo
procedures, methods, tools and materials met with
correct ratio for a high lime soft mortar mix, coarse
and finished properly for an aged and weathered
never look newly restored.

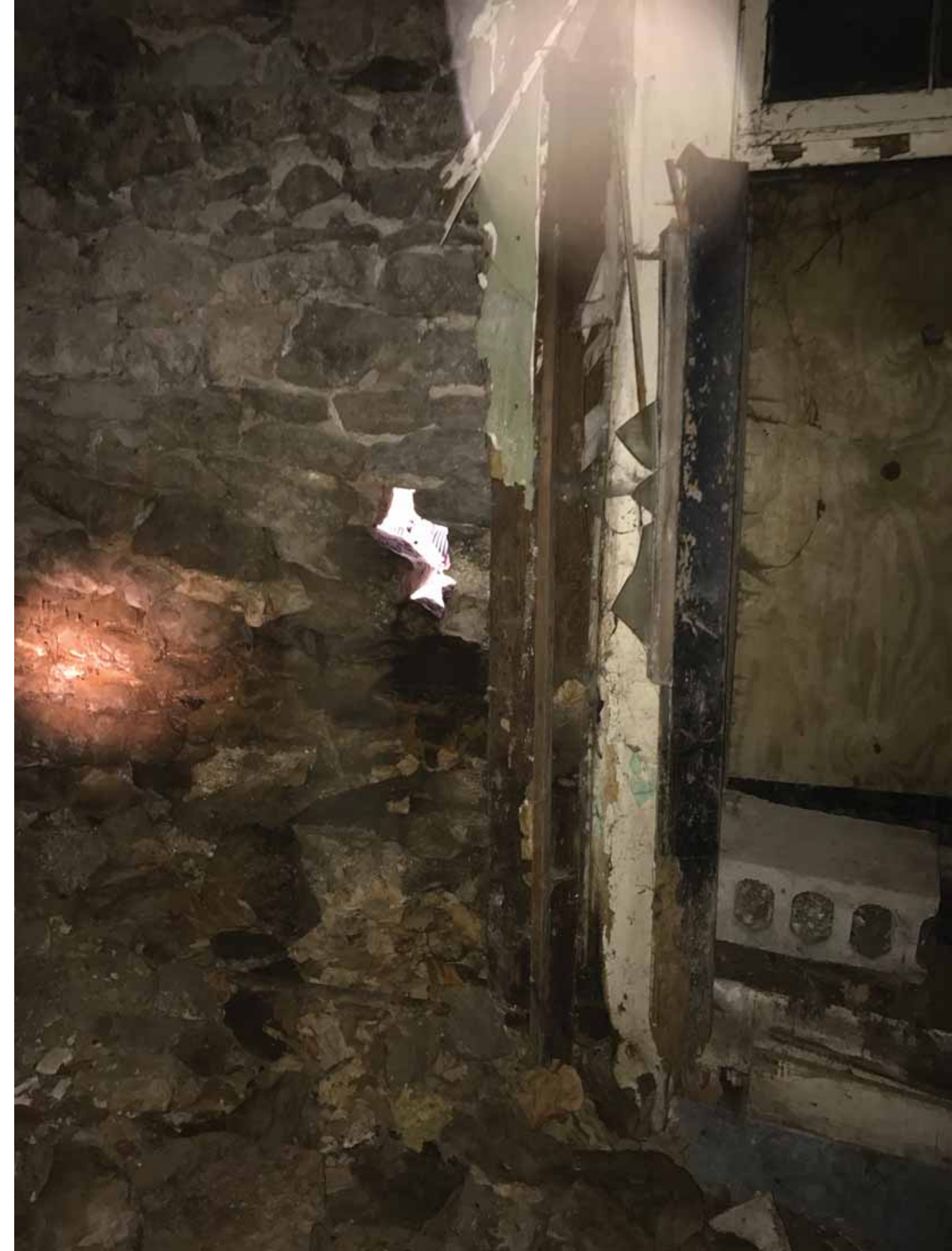
To date, I have restored numerous projects,
Historic Places. Projects have inc

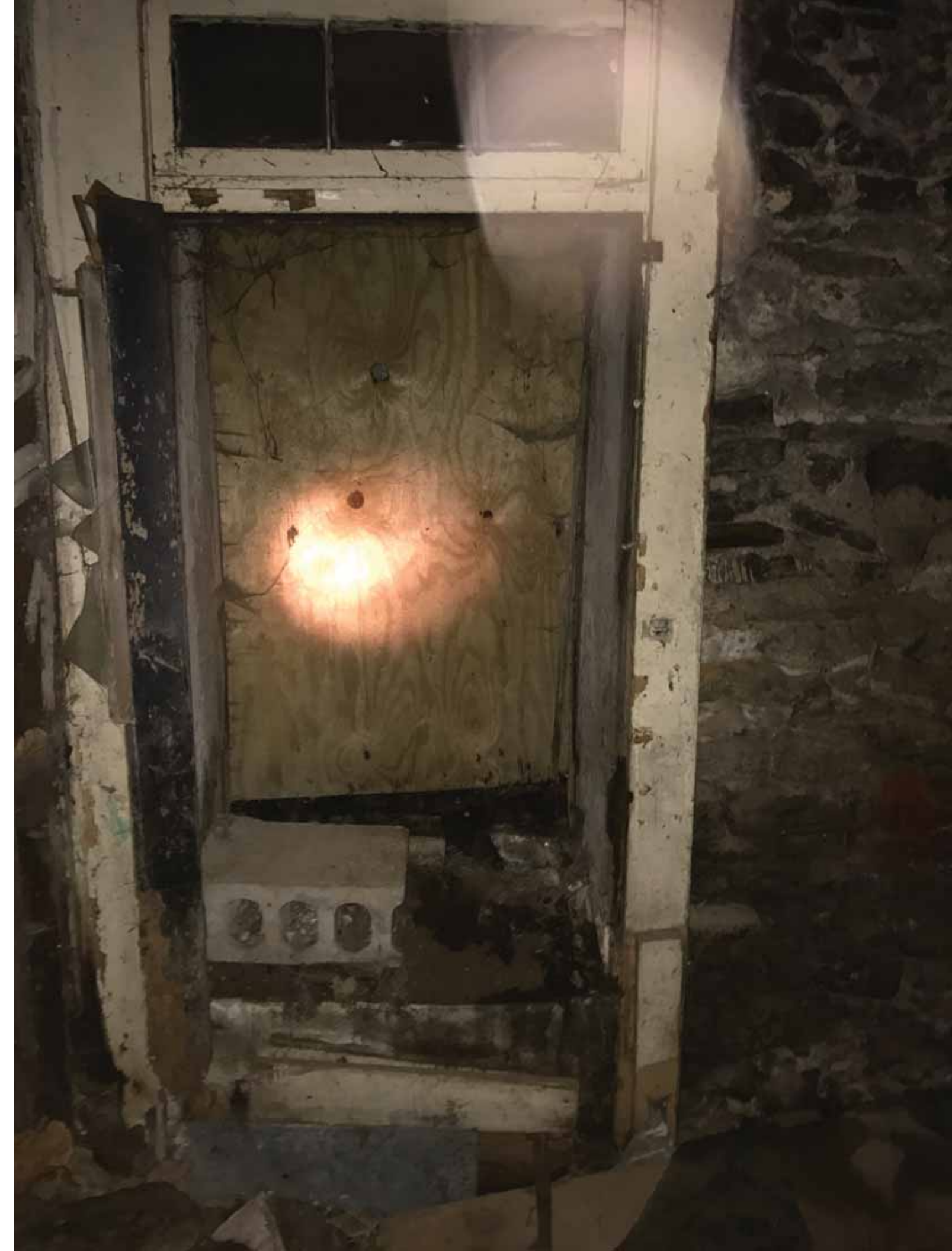








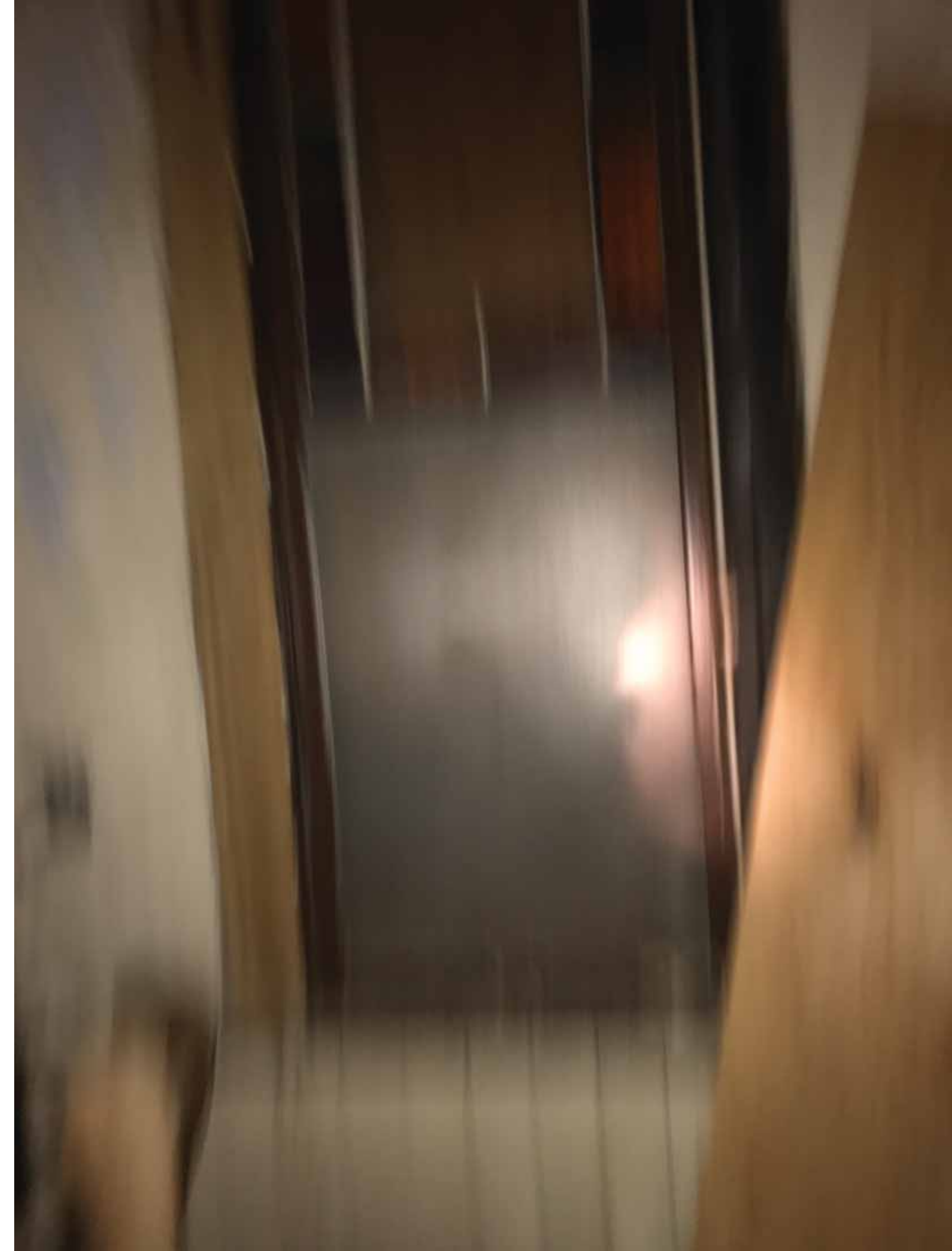


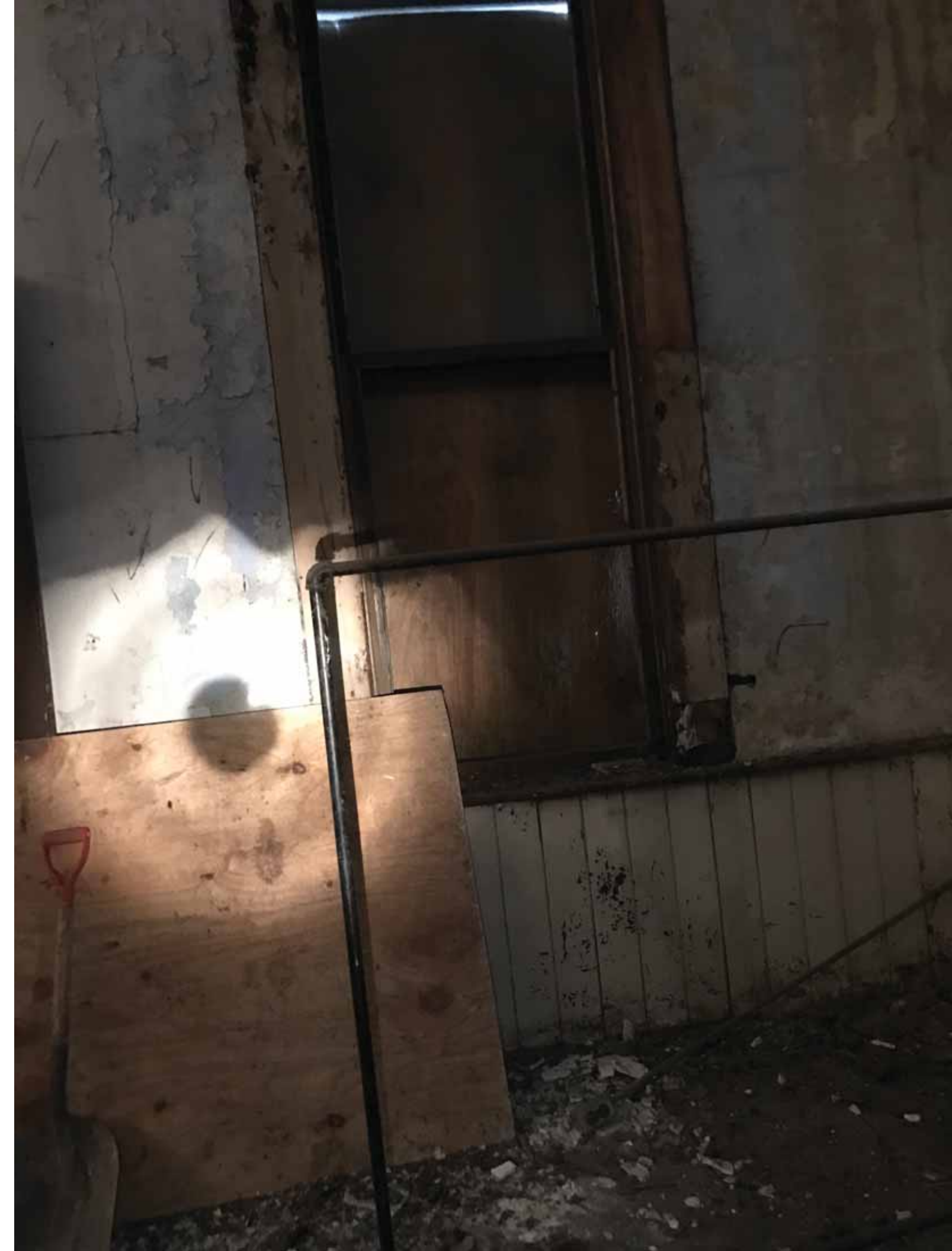














EXIT