

HISTORIC PRESERVATION COMMISSION MEETING

CITY OF DAVENPORT, IOWA

Tuesday, June 11, 2024; 5:00 PM

City Hall | 226 West 4th Street | Council Chambers

- I. Call to Order
- II. Secretary's Report
 - 1. Consideration of the April 9, 2024 meeting minutes.
- III. Communications
- IV. Old Business
- V. New Business
 - 1. Case COA24-06: Request to reconstruct the front yard retaining wall at 714 West 6th Street. The retaining wall is located within the Hamburg Local Landmark Historic District. Jeremy Keninger, petitioner. [Ward 3]
 - 2. Case COA24-07: Request for the installation of a new roof and siding at 708 West 6th Street. The Louis and Mary Rehling House is located in the Hamburg Local Landmark Historic District. Matthew Rhomberg, petitioner. [Ward 3]
- VI. Other Business
 - 1. QC PastPort Presentation
 - 2. Congressional Historic Preservation Caucus
 - 3. Preserve Iowa Summit
- VII. Open Forum for Comment
- VIII. Adjourn
- IX. Next Meeting: July 9, 2024

City of Davenport

Department: Development & Neighborhood Services
Contact Info: Matt Werderitch | 563-888-2221

Action / Date
6/11/2024

Subject:
Consideration of the April 9, 2024 meeting minutes.

Recommendation:
Approve the minutes.

Background:
The April 9, 2024 meeting minutes are attached.

Attachments:
1. Meeting Minutes 4-9-24

HISTORIC PRESERVATION COMMISSION MEETING MINUTES

CITY OF DAVENPORT, IOWA

TUESDAY, APRIL 9, 2024; 5:00 PM

CITY HALL | 226 WEST 4TH STREET | COUNCIL CHAMBERS

I. Call to Order

Chairperson Hustedde called the meeting to order.

Present: McGivern, Miranda, Hustedde, Powers, Franken

Absent: Kretz, Bierman

Staff Present: Berkley, Werderitch

II. Secretary's Report

A. Consideration of the March 12, 2024 meeting minutes.

Motion by Franken, second by Miranda, to approve the March 12, 2024 meeting minutes. Minutes were unanimously approved by voice vote (5-0).

III. Communications

Werderitch provided an update on the upcoming Party in the Park dates. The Commission expressed a desire to participate at the Lindsay Park and Cork Hill Park event dates.

IV. Old Business

V. New Business

A. Case COA24-04: Request to modify the ceiling over the northwest entrance at 301 East 2nd Street. The Davenport Bag and Paper Company Building is a locally listed historic landmark in the Davenport Motor Row and Industrial Historic District. Peterson HTC LLC, petitioner. [Ward 3]

Werderitch presented an overview of the proposed project. The request is to install a ceiling on the exterior entrance of the northwest corner to reduce thermal transfer of temperature into the residential unit above.

Apartment 201, located on the second floor above the northwest entrance, is experiencing issues during cold weather with ice forming on the concrete floor. The property owner believes the ice buildup is caused by the concrete ceiling below the bedroom being exposed to the outside elements in the winter. This has caused both a safety issue for the resident (potential slipping hazard) and a utility issue (the resident is paying higher utility bills than normal due to the bedroom floor being cold/frozen.).

Staff recommended approval of the Certificate of Appropriateness to install a ceiling over the northwest entrance at 301 East 2nd Street in accordance with the submitted material.

The project was reviewed for conformance with the Standards for Review, Chapter 14.01.060Cof the Davenport Municipal Code. The project meets the following standards:

1. Every reasonable effort shall be made to make the minimal number of changes necessary to maintain a designated property in a good state of repair, thereby minimizing the impact of the proposed alteration.

Tom Piehl, representative of the applicant, was in attendance to answer questions.

Motion by McGivern, second by Miranda, to approve Case COA24-04 as submitted. Motion to approve passed by a roll call vote (5-0).

- B. Case COA24-05: Request to reconstruct an exterior staircase at 1607 West 12th Street. Upham Hall is a contributing structure in the Marycrest College Local Landmark Historic District. Door Creek Construction of Illinois, LLC, petitioner. [Ward 3]

Staff provided a summary of the request to reconstruct the exterior staircase on the west elevation. It was brought to staff's attention, after the publication of the meeting packet, that the work was completed prior to approval by the Commission. The property owner was notified of the violation and the Commission was provided updated photographs of the finished staircase.

Staff recommended approval of the Certificate of Appropriateness to reconstruct the exterior staircase in accordance with the submitted material, subject to the following condition:

1. The exterior staircase shall comply with building code requirements. The final design to be reviewed and approved by City Staff.

The project was reviewed for conformance with the Standards for Review, Chapter 14.01.060Cof the Davenport Municipal Code. The project meets the following standards:

1. Every reasonable effort shall be made to make the minimal number of changes necessary to maintain a designated property in a good state of repair, thereby minimizing the impact of the proposed alteration.

Andrew Marshall, Door Creek Construction, was in attendance to answer questions. He apologized for the completion of work prior to official review by the Commission.

The Commission inquired about the ramifications for completing work without Commission approval and the construction technique of the new staircase. The Commission commented on the mismatch of wood material, compatibility with the structure, and ability to paint the staircase to blend with the masonry exterior.

Commissioner McGivern suggested a meeting between the Commission and the ownership group might be beneficial to better communicate the preservation process and to understand future improvements to the Marycrest College campus.

Motion by McGivern, second by Powers, to approve Case COA24-05 with the following conditions:

1. The exterior staircase shall comply with building code requirements. The final design to be reviewed and approved by City Staff.
2. The wood structure shall be stained/painted a color that is compatible to the historic character of Upham Hall.

Motion to approve with the two listed conditions passed by a roll call vote (5-0).

VI. Other Business

VII. Open Forum for Comment

A member of the public spoke about the importance of maintaining Davenport's historic properties following the notice to vacate residents from 401 West 4th Street.

VIII. Adjourn

Motion by McGivern, second by Franken, to adjourn the meeting. Motion passed by a voice vote (5-0). The meeting adjourned at 5:51 pm.

IX. Next Commission Meeting: May 14, 2024

City of Davenport

Department: Development & Neighborhood Services
Contact Info: Matt Werderitch | 563-888-2221

Action / Date
6/11/2024

Subject:

Case COA24-06: Request to reconstruct the front yard retaining wall at 714 West 6th Street. The retaining wall is located within the Hamburg Local Landmark Historic District. Jeremy Keninger, petitioner. [Ward 3]

Recommendation:

A recommendation is made to approve the Certificate of Appropriateness to reconstruct the front yard retaining wall at 714 West 6th Street as presented.

The project was reviewed for conformance with the Standards for Review, Chapter 14.01.060Cof the Davenport Municipal Code. The project meets the following standards:

- Deteriorated architectural features should, where possible, be repaired rather than replaced. Where the severity of deterioration requires replacement, 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.

Background:

Request: Remove the retaining wall at the south lot line. Construct a new retaining wall using Kodah Modular Block.

With assistance from Davenport's DREAM Project, the homeowner is hoping to reconstruct the retaining wall along 6th Street. This wall is located entirely on private property. The wall supports the historic Emanuel Rothschild House, which is sited on a sloped property.

The existing wall is deteriorated and bowing over the public sidewalk. After evaluating the condition of the wall, Klingner & Associates determined the stone was not salvageable. In the interest of public safety, the firm recommended a new wall be constructed to address the underlying causes of damage.

Following the evaluation, the engineering firm designed a new retaining wall that closely resembles the design, dimensions, and footprint of the existing wall. The existing wall is approximately three feet tall and spans the length of the south property line. The overall height of the reconstructed wall will be increased to approximately four feet in height to adequately retain the soil behind. The property owner selected Kodah Modular Block for the reconstruction. The natural appearance of Kodah Blocks is derived from its rough, quarried stone texture that replicates historic limestone. This product offers structural integrity while maintaining a resemblance to historic stones.

In addition, the proposed wall design will reestablish the existing staircase, providing access from the sidewalk up to the home. The existing staircase has broken and uneven steps. Once completed, the public sidewalk will also be replaced.

Hamburg Historic District Pattern Book:

"Retaining walls have been used extensively throughout the Hamburg District. The most common, and most attractive, types are made of stone with a cap of stone. Railroad ties and "suburban"-type retaining walls do not fit in with the character of the Hamburg District. Concrete retaining walls are acceptable, but not favored. Walls of adequate height, consistent in materials, and adequate maintenance promote an interesting and charming public face."

Attachments:

1. Application
2. Background Materials & Photos
3. Retaining Wall Plan Set
4. Kodah Wall Spec Sheet
5. Historic Property Inventory Sheet
6. Section 14.01.060.C Certificate of Appropriateness Review Process



CITY OF DAVENPORT
Development & Neighborhood
Services – Planning
1200 E. 46th St
Davenport, IA 52807

Office 563.326.6198
planning@davenportiowa.com

APPLICATION FOR

CERTIFICATE OF APPROPRIATENESS

HISTORIC PRESERVATION COMMISSION

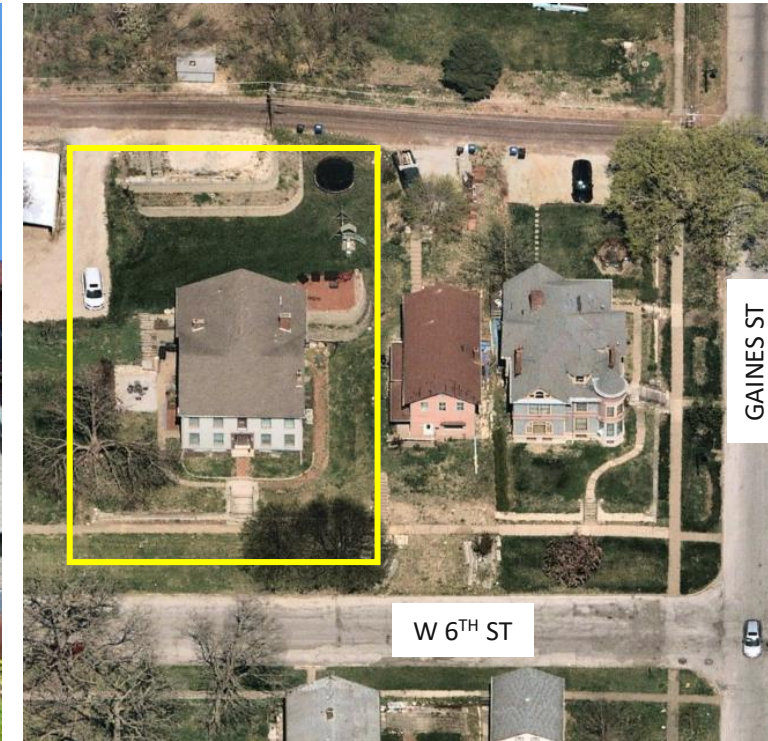
APPLICANT INFORMATION		
Application Name Jeremy Keninger	BRIEF OVERVIEW OF THE PROJECT (not a scope of work) retaining wall on south side of property along 6th	
Address 714 W 6th St.		
City State Zip Davenport, IA 52802		
Phone (309) 314-5879		
Secondary Phone		
E-Mail Address jeremykeninger@gmail.com	APPLICABILITY PRIOR to any work on applicable Historic Resources: A Certificate of Appropriateness must be submitted & approved PRIOR to the commencement of the following: - Any Building or Sign Permit changing the exterior (except demo) - New construction/Addition or exterior alteration of a structure - Sign installation or alteration Demolition of any local or national historic resources shall require a Historic Demolition Request Application	
Acceptance of Applicant I, the undersigned, certify that the information on this application to the best of my knowledge is true and correct. I further certify that I have a legal interest in the property in question, and/or that I am legally able to represent all other persons or entities with interest in this property, and acknowledge formal procedure and submittal requirements. I understand I am responsible for attendance at the meeting as shown on the historic preservation commission calendar. The City reserves the right to require further site studies as necessary. By checking this box and typing my name below, I am electronically signing this application. ☒ Jeremy Keninger 03/27/2024 Type Applicant's Name here to serve as a signature Date		
ALL SUBMITTALS SHALL INCLUDE:		
SUBMITTED		
Full Scope of Work (SOW) attached as a .PDF ☒ all work & materials shall be described & itemized/listed in detail		
Photos or renderings of all existing building/sign façades ☒		
Proposed color building/sign elevations to scale ☐ rendered showing existing and/or proposed building materials		
Material specs: type, dimensions, color & manufacturer ☒		
MINOR & MAJOR ADDITIONS, SITE IMPROVEMENTS, & NEW BUILDINGS SHALL INCLUDE ADDITIONAL ITEMS*:		
Dimensioned Site Plan (proposed & existing buildings/site items) ☒		
Grading Plan with 2 foot intervals (if needed) ☒		
Mechanical Screening shall be shown ☐		
Materials Board of sample building materials proposed ☐		
* Major Additions & New Buildings may require more extensive information		
Formal Procedure		
Application Fee: NONE		
(1) Application: - Prior to submission of the application, the applicant shall correspond with Planning staff to discuss the request, potential alternatives and the process. - The submission of the application does not constitute official acceptance by the City of Davenport. Planning staff will review the application for completeness and notify the applicant that the application has been accepted or additional information is required. <u>Inaccurate or incomplete applications may result in delay of applicant's scheduled meetings.</u>		
(2) Scope of Commission's Consideration: - Only work described in the application may be approved. - If insufficient information exists to make a proper judgment on the application, the Commission may continue the consideration a maximum of 60 days, excluding applicant's continuances.		
(3) Post Commission Ruling: - An approved Cert. of Appropriateness does not constitute a City permit or license and does vest against any other land development regulation or regulatory approval. Applicant must contact necessary development authorities. - Appeals to determinations are \$75 made to City Council and shall be in writing submitted to the Zoning Administrator within 30 calendar days of Commission's decision.		
Submit this form with attachments to: planning@davenportiowa.com		

DEVELOPMENT TEAM	
Property Owner Jeremy Keninger	
Address 714 W 6th St.	
Phone (309) 314-5879	Secondary Phone
E-Mail Address jeremykeninger@gmail.com	
Project Manager/Other	
Address	
Phone	Secondary Phone
E-Mail Address	

Emanuel Rothschild House

DAVENPORT
IOWA | USA

- Construction Date: 1855
- Architectural Style: Greek Revival (Rectangular | 2.5 Story | Symmetrical House)
- Alterations: Removal of the front porch.



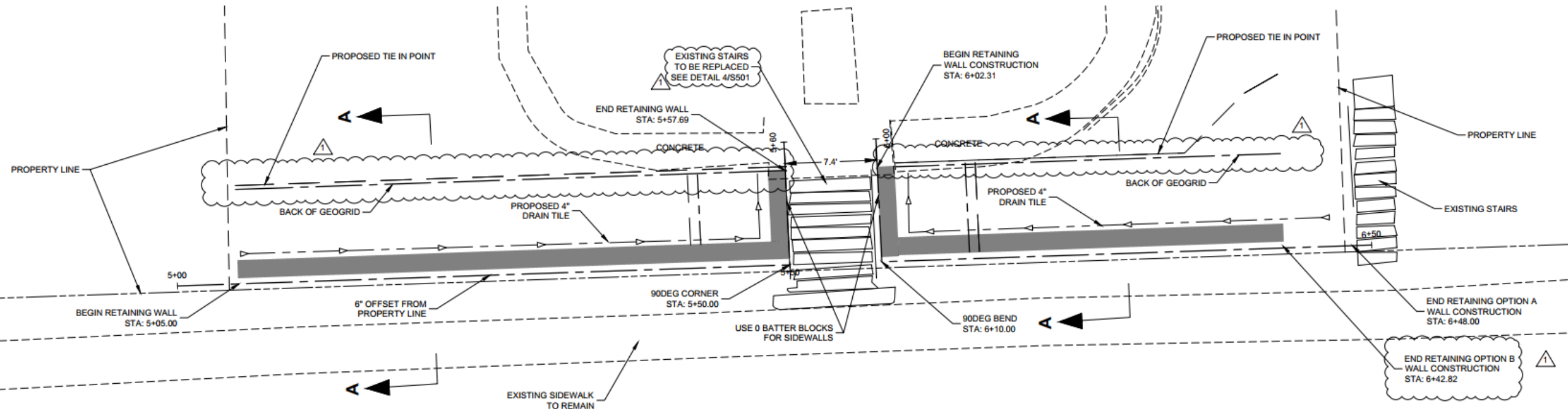
Retaining Wall

- Privately Owned Wall: Spans Approximately 90 Feet
- State of Deterioration: Wall Bowing onto Sidewalk
- DREAM Project Recipient: Klingner & Associates Hired to Assess Condition & Design a New Wall
- **Request:** Remove the wall at the south lot line. Construct a new wall using Kodah Block.



Project Scope

1. Demolish existing wall. Stone deemed not salvageable by engineer.
2. Reconstruct wall using Kodah Wall Systems.
3. Incorporate new staircase into the wall design.
4. Repave public sidewalk following reconstruction.



Kodah Block

- Large-scale retaining wall system.
- Linear proportions.
- Rough, quarried stone textures.
- Multiple stone sizes and dimensions.



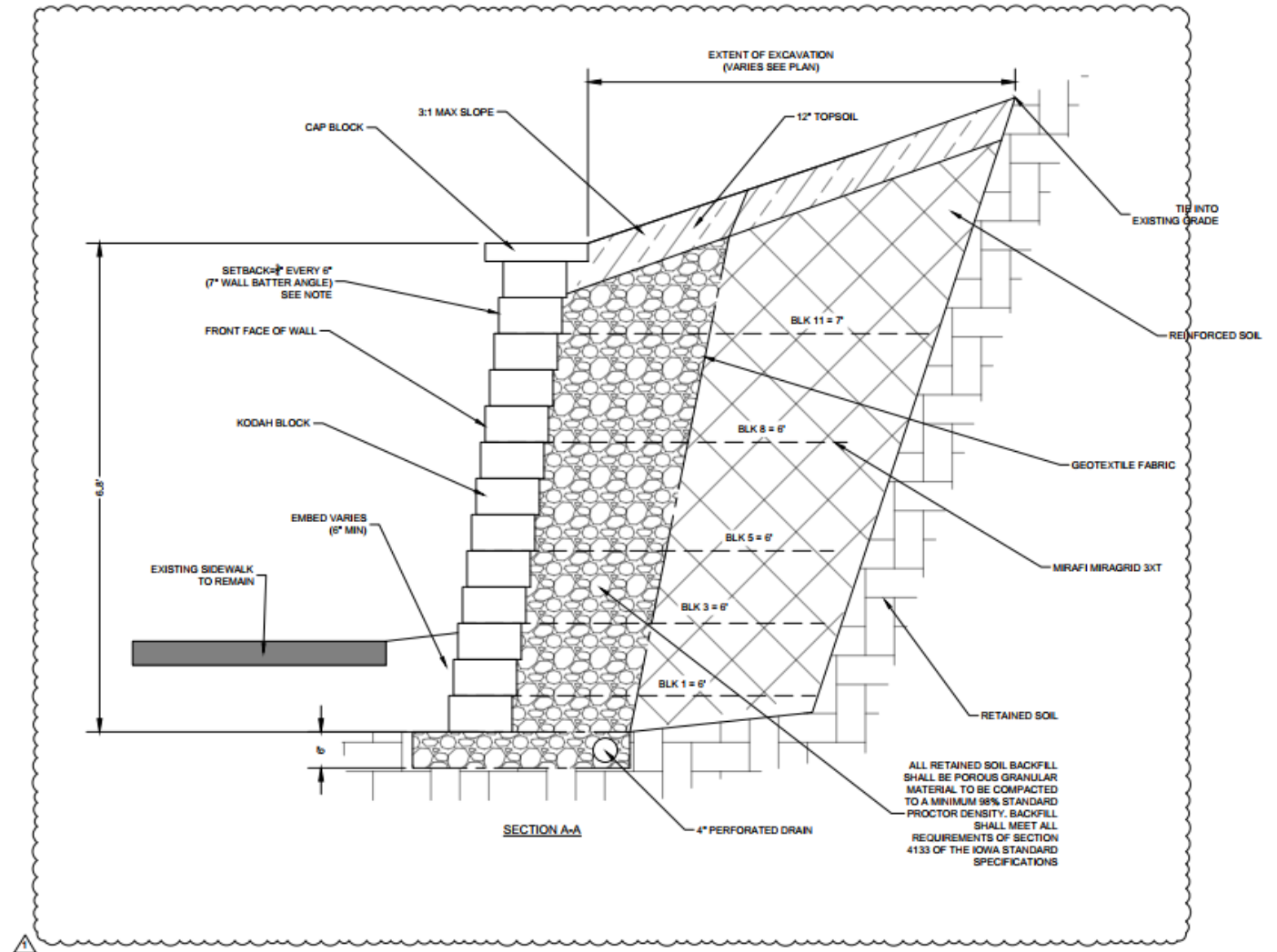
DAVENPORT
IOWA | USA

Reconstruction

DAVENPORT
IOWA | USA



Kodah Block
Retaining Wall



Reconstruction



Existing Staircase to be rebuilt with new concrete steps and metal handrails.

RETAINING WALL REPLACEMENT

714 WEST 6TH STREET
DAVENPORT, IA

FOR:
CITY OF DAVENPORT

BY STRUCTURAL ENGINEER:

KLINGNER & ASSOCIATES P.C.
4111 E. 60th Street
Davenport, Iowa 52807
Phone: (563) 359-1348



ABBREVIATIONS

& AB ALT ARCH @	AND ANCHOR BOLT ALTERNATE ARCHITECT AT	LG LL LLH LLV LONG LWC	LONG LIVE LOAD LONG LEG HORIZONTAL LONG LEG VERTICAL LONGITUDINAL LIGHT WEIGHT CONCRETE
BLDG BM BO BOT BRG BRDG BTW BYD	BUILDING BEAM BOTTOM OF BOTTOM BEARING BRIDGING BETWEEN BEYOND	MAX MECH MIN NO (#) NTS	MAXIMUM MECHANICAL MINIMUM NUMBER NOT TO SCALE
CIP CJ CL (C) CLR CMU COL CONC CTR	CAST IN PLACE CONSTRUCTION JOINT CENTERLINE CLEAR CONCRETE MASONRY UNIT COLUMN CONCRETE CENTER	OC OH OPNG OPP PAR PEMB PERP PL (P) PSF PT	ON CENTER OPPOSITE HAND OPENING OPPOSITE PARALLEL PRE-ENGINEERED METAL BUILDING PERPENDICULAR PLATE POUNDS PER SQUARE FOOT PRESSURE TREATED
DBA DBL DIA (Ø) DIAPH DL DWLS	DEFORMED BAR ANCHOR DOUBLE DIAMETER DIAPHRAGM DEAD LOAD DOWELS	REINF RO RTU SCH SIM SL (S) STAGG STD STIFF	REINFORCING ROUGH OPENING ROOF TOP UNIT SCHEDULE SIMILAR STEEL LINE STAGGERED STANDARD STIFFENER
EA EF ELEV (EL) EMBED EW EX	EACH EACH FACE ELEVATION EMBEDMENT EACH WAY EXISTING	TBR THK THRU TO TOF TOS TOW TRANS TYP	TO BE REMOVED THICK THROUGH TOP OF TOP OF FOOTING TOP OF STEEL TOP OF WALL TRANSVERSE TYPICAL
FB FDN FF FLR FTG FV	FIELD BEND FOUNDATION FINISHED FLOOR FLOOR FOOTING FIELD VERIFY	UNO VERT	UNLESS OTHERWISE NOTED VERTICAL
GA GALV	GAUGE GALVANIZED	W/ WF W/O WP WWF W.R.	WITH WIDE FLANGE WITHOUT WORKING POINT WELDED WIRE FABRIC WATER REDUCER
HDG HDR HGR HORIZ HS HSS HT	HOT DIP GALVANIZED HEADER HANGER HORIZONTAL HEADED STUD HOLLOW STRUCTURAL SECTION HEIGHT	ID JST	INSIDE DIAMETER JOIST

GENERAL NOTES

- THE CONTRACTOR(S) SHALL CONFIRM CONDITIONS DESCRIBED HEREIN AND TELL THE ENGINEER OF ANY DISCREPANCIES AND INTERFERENCES ENCOUNTERED PRIOR TO STARTING WORK AFFECTED THEREBY.
- THE CONTRACTOR(S) SHALL FIELD VERIFY EXISTING DIMENSIONS AND CONDITIONS AND TELL THE ENGINEER OF ANY DISCREPANCIES AND INTERFERENCES ENCOUNTERED PRIOR TO STARTING WORK AFFECTED THEREBY.
- THE CONTRACTOR(S) SHALL MEET ALL APPLICABLE CODES INCLUDING BUT NOT LIMITED TO:
2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL RESIDENTIAL BUILDING CODE
2015 INTERNATIONAL EXISTING BUILDING CODE
2015 INTERNATIONAL FIRE CODE
2014 NATIONAL ELECTRIC CODE
2015 INTERNATIONAL MECHANICAL CODE
2015 UNIFORM PLUMBING CODE
2012 INTERNATIONAL ENERGY CONSERVATION CODE
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
- THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR OSHA COMPLIANCE AND JOB SITE SAFETY.
- THE CONTRACTOR(S) SHALL VERIFY LOCATIONS OF ALL UTILITIES (TELEPHONE, DATA, GAS, ELECTRIC, SANITARY AND STORM SEWERS, ETC.) AT THE SITE BEFORE STARTING EXCAVATION OR CONSTRUCTION. THESE ITEMS SHALL BE MARKED AND PROTECTED.
- THE CONTRACTOR(S) SHALL REPORT ANY SUSPICIOUS MATERIALS (POTENTIALLY HAZARDOUS) AT THE SITE IMMEDIATELY TO THE OWNER FOR HIS/HER FURTHER ACTION, UNLESS NOTED SPECIFICALLY ON THE DRAWINGS OR PROJECT MANUAL, THE ENGINEER IS NOT AWARE OF ANY HAZARDOUS MATERIALS AND HAS NOT BEEN HIRED BY THE OWNER TO DEAL WITH SUCH.
- CONTRACTOR(S) SHALL TAKE PRECAUTIONS NECESSARY TO PROTECT ADJACENT PROPERTY FROM DAMAGE RESULTING FROM CONSTRUCTION OPERATIONS.
- THE CONTRACTOR(S) SHALL SUBMIT EVIDENCE OF INSURANCE TO OWNER AND HAVE IT APPROVED AS ACCEPTABLE TO OWNER PRIOR TO STARTING WORK. OWNER AND ENGINEER SHALL BE NAMED AS ADDITIONAL INSURED.
- CONTRACTOR(S) SHALL BE RESPONSIBLE FOR SIGNS, BARRICADES, AND FENCING REQUIRED TO CLOSE THE SIDEWALK DURING CONSTRUCTION AND KEEP THE PEDESTRIANS OUT OF THE WORK AREA. SEE SUDAS 8030 & SUDAS FIGURE 8030.117.
- APPROVAL BY THE CITY TO PERFORM THE WORK AS INDICATED HEREIN DOES NOT CONSTITUTE PERMISSION TO PERFORM WORK IN ADJOINING PROPERTIES. IF WORK ON ADJOINING PROPERTY IS REQUIRED, OWNER OF ADJOINING PROPERTY MUST GRANT PERMISSION FOR CONTRACTOR TO PERFORM THIS WORK ON THEIR PROPERTY.
- WALL IS OWNED AND SHALL BE MAINTAINED BY PROPERTY OWNER.

NOTATION AND SYMBOL DESIGNATIONS

VIEW INDICATOR	CENTER LINE
DETAIL INDICATOR	ROOM INDICATOR
SECTION INDICATOR	DOOR INDICATOR
EXTERIOR ELEVATION INDICATOR	WALL TYPE INDICATOR
INTERIOR ELEVATION INDICATOR	WINDOW TYPE INDICATOR
	NOTE INDICATOR
	BUILDING GRID INDICATOR

STATEMENT OF COMPLIANCE

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

Lisa M. Pogue
(Signature)

03/22/2024
(Date)

LISA M. POGUE, P.E.
LICENSE NUMBER: **P28240**
MY LICENSE RENEWAL DATE IS: DECEMBER 31, **2024**
PAGES OR SHEETS COVERED BY THIS SEAL:
G001, A-01, EX-01, P&P-01, TS-01, XS-01, XS-02, S001,

SHEET INDEX

SHEET NUMBER	SHEET NAME
G001	TITLE SHEET
A-01	KODAH MODULAR BLOCK RETAINING WALL NOTES
EX-01	EXISTING CONDITIONS
P&P-01	KODAH MODULAR BLOCK RETAINING WALL PLAN AND PROFILE
TS-01	KODAH MODULAR BLOCK RETAINING WALL TYPICAL SECTIONS
XS-01	KODAH MODULAR BLOCK RETAINING WALL CROSS SECTIONS 1
XS-02	KODAH MODULAR BLOCK RETAINING WALL CROSS SECTIONS 2
S001	STRUCTURAL NOTES
S001	CAST-IN-PLACE RETAINING WALL PLAN
S001	CAST-IN-PLACE RETAINING WALL STRUCTURAL DETAILS

KLINGNER
& ASSOCIATES, P.C.
Engineers • Architects • Surveyors
Davenport, Iowa
4111 East 60th St
563.359.1348
www.klingner.com
Quincy, IL Galesburg, IL Burlington, IA
Pella, IA Hammbel, IL Columbia, MO

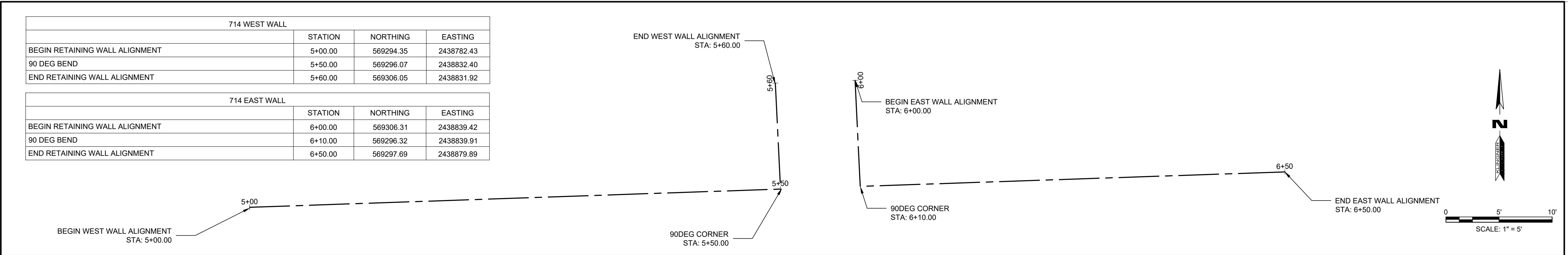
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REVISION HISTORY			
Δ	DESCRIPTION	DATE	APPR
1	ADDENDUM 1	04/10/2024	
2	ADDENDUM 2	05/14/2024	

ISSUED FOR
IFC

RETAINING WALL REPLACEMENT
CITY OF DAVENPORT
714 WEST 6TH STREET
DAVENPORT, IA

Non-Reduced Sheet Size 22" x 34" Full sized plans have been prepared using standard scales. Reduced sized plans may not conform to standard scales.	
DESIGNED LMP	DRAWN LMP
FIELD	FIELD BOOK
CHECKED ADL	CHECK DATE 03/22/24
SHEET TITLE	
TITLE SHEET	
PROJECT NO. 23-6014.004	
DRAWING ISSUED DATE: 03/22/2024	
SHEET	
G001	

E-PLAN PROJECT #: PRJ-4640



GENERAL NOTES

1. ALL IMPROVEMENTS SHOWN ON THESE ENGINEERING PLANS SHALL COMPLY WITH THE LATEST EDITION OF SUDAS, AND DAVENPORT SUPPLEMENTAL SPECIFICATIONS TO IOWA SUDAS.

2. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, REVIEW OF EXISTING PUBLIC RECORDS, AND FIELD INVESTIGATION. THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH PRESENTLY IS NOT KNOWN OR SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT EACH UTILITY COMPANY FOR THE FIELD LOCATION OF THEIR EXISTING LINES IN OR NEARBY THE CONSTRUCTION AREA PRIOR TO BEGINNING ANY CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO.

3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND PAVED STREETS, INCLUDING ANY NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY CONFLICTS WITH THE DRAWINGS OCCUR. ANY DAMAGE TO EXISTING UTILITIES AND/OR PAVED STREETS CAUSED BY TRENCHING AND GRADING OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE.

4. PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS, NOT ALLOWING WATER TO POND. DO NOT ALLOW WATER TO DRAIN OR TO POND ONTO ADJOINING PROPERTY OR PUBLIC RIGHT-OF-WAY.

5. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE PROPERLY DISPOSED OF OFF-SITE.

6. THE CONTRACTOR SHALL EXERCISE PROPER CAUTION TO PROTECT THE EXISTING IMPROVEMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE.

7. THE CONTRACTOR SHALL MAKE A REASONABLE EFFORT TO PRESERVE AND PROTECT EXISTING STONE BLOCKS. BLOCKS ARE TO BECOME PROPERTY OF THE HOME OWNER. COORDINATE WITH HOMEOWNER FOR STORAGE.

8. CONTRACTOR SHALL INSTALL, MAINTAIN, AND REMOVE TEMPORARY SAFETY FENCING ON TOP OF THE WALL UNTIL PERMANENT FENCING IS INSTALLED

9. ALL NECESSARY SURVEY SHALL BE PERFORMED BY THE CONTRACTOR AND THE COST SHALL BE INCIDENTAL TO THE PROJECT.

10. CONTRACTOR SHALL BE RESPONSIBLE FOR SIGNS, BARRICADES AND FENCING REQUIRED TO CLOSE THE SIDEWALK DURING CONSTRUCTION AND KEEP PEDESTRIANS OUT OF THE WORK AREA. REFER TO SUDAS 8030 AND SUDAS FIG 8030.117

11. ANY DAMAGE TO EXISTING INFRASTRUCTURE TO REMAIN SHALL BE REPLACED OR REPAIRED IN KIND. INCLUDING THE SIDEWALK ADJACENT TO RETAINING WALL SYSTEM.

RETAINING WALL REMOVAL AND SALVAGE

1. THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIAL NECESSARY TO REMOVE AND STOCKPILE EXISTING FACE WALL STONES. CARE SHALL BE TAKEN TO NOT DAMAGE STONES OR ADJACENT PAVEMENT AND STRUCTURES.

2. ALL SALVAGEABLE STONES AS DETERMINED BY THE ENGINEER SHALL BECOME PROPERTY OF THE HOMEOWNER. IF HOMEOWNER DOES NOT WANT TO TAKE OWNERSHIP OF THE SALVAGED STONE THE STONE IS TO BE TAKEN TO THE CITY YARD AT 232 S MARQUETTE ST., COORDINATE DELIVERY WITH THE ENGINEER. STONES SHALL BE REMOVED AND HANDLED IN A MANNER THAT PROTECTS THE ADJACENT PROPERTY AND PRESERVES THE STONES TO THE GREATEST EXTENT POSSIBLE FOR STOCKPILING AND USE IN OTHER LOCATIONS. THE CONTRACTOR SHALL SUBMIT THEIR PROPOSED MEANS AND METHODS TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.

3. SALVAGED FACE STONES SHALL BE SEPARATED FROM OTHER MATERIAL AS PRACTICABLE. AT THE CITY STOCKPILE SITE THE STONES SHALL BE CAREFULLY DEPOSITED TO LIMIT DAMAGE. STONES DO NOT NEED TO BE STACKED.

4. DELIVERY TO HOME OWNER OR TO THE CITY STOCKPILE AT 232 S MARQUETTE ST SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.

5. PAYMENT FOR THIS ITEM WILL BE CALCULATED BY THE EXISTING SURFACE FACE AND PAYMENT WILL BE MADE BY THE PLAN QUANTITY AND WILL NOT BE MEASURED.

6. STONES DETERMINED TO BE UNSALVAGEABLE BY THE ENGINEER ARE TO BECOME PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY HOMEOWNER.

WALL UNITS

1. WALL UNITS SHALL BE KODAH® PRECAST MODULAR BLOCK UNITS AS PRODUCED BY A MANUFACTURER LICENSED AND AUTHORIZED BY THE PRECAST MODULAR BLOCK LICENSOR TO PRODUCE THE UNITS.

2. WALL UNITS SHALL BE INSTALLED ACCORDING TO SPECIFICATIONS FOR ROSETTA KODAH WALL SYSTEM

3. ALL BLOCK SHALL BE INSTALLED ACCORDING TO MANUFACTURERS CONSTRUCTION DRAWINGS

4. WALL UNITS SHALL HAVE KODAH® BLOCK SPECIFICATIONS AND BE MADE FROM WET-CAST, READY-MIXED CONCRETE IN ACCORDANCE WITH ASTM C1776, PER THE FOLLOWING CHART, AND AS MODIFIED HEREIN.

4.1. AIR CONTENT: 4.5% TO 7.5%

4.2. 28 DAY COMPRESSIVE STRENGTH: 4000PSI

4.3. SLUMP: 3IN TO 5IN

4.4. MIN. CONCRETE TEMP AT PLACEMENT: 50DEG F

5. EXTERIOR BLOCK DIMENSIONS, AS MEASURED IN ACCORDANCE WITH ASTM C1776, SHALL BE UNIFORM AND CONSISTENT. MAXIMUM DIMENSIONAL DEVIATIONS SHALL BE 1/8 INCH (3 MM) OR 2%, WHICHEVER IS LESS, EXCLUDING THE ARCHITECTURAL SURFACE. MAXIMUM WIDTH (FACE TO BACK) DEVIATION INCLUDING THE ARCHITECTURAL SURFACE SHALL BE 1/2 INCH (13 MM).

6. EXPOSED FACES SHALL HAVE A TEXTURED FINISH. OTHER SURFACES TO BE SMOOTH FORM OR TROWELED SURFACE TYPE.

7. UNITS SHALL BE FREE OF CHIPS, HOLES, AND LARGER THAN THE DIMENSIONS DESCRIBED IN ASTM

DRAINAGE

1. PERFORATED DRAIN PIPE SHOULD BE A MINIMUM OF 4 INCHES (102 MM) IN DIAMETER, MEETING THE REQUIREMENTS OF AASHTO M278 (CORRUGATED OR SMOOTH-WALLED PVC) OR AASHTO M252 (CORRUGATED POLYETHYLENE). DRAIN OUTLETS SHALL HAVE RODENT GUARDS.

CONSTRUCTION ADHESIVE

1. USE CONSTRUCTION ADHESIVE MEETING THE REQUIREMENTS OF ASTM D3498 AND C557 AND HUD/FHA USE OF MATERIALS BULLETIN #60 OR ONE-COMPONENT, HIGHLY-FLEXIBLE, NON-PRIMING, GUN-GRADE, HIGH-PERFORMANCE ELASTOMERIC POLYURETHANE SEALANT WITH MOVEMENT OF +/-25% PER ASTM C719, TENSILE STRENGTH GREATER THAN 200 PSI (1.4 MPA) PER ASTM D412, AND ADHESION TO PEEL ON CONCRETE GREATER THAN 20 PLI PER ASTM C794.

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REVISION HISTORY

MARK	DESCRIPTION	DATE	APPR
1	ADDENDUM 2	05/14/2024	

CONSTRUCTION DOCUMENTS
NTS

RETAINING WALL REPLACEMENT

CITY OF DAVENPORT
714 W 6TH ST
DAVENPORT, IA

Non-Reduced Sheet Size: 22" x 34"

Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.

DESIGNED	DRAWN
NWK	NWK
FIELD	FIELD BOOK
CHECKED	CHECK DATE
LMP	3/21/2024

SHEET TITLE

KODAH MODULAR BLOCK RETAINING WALL NOTES

PROJECT NO.
23-6014.004

DRAWING ISSUED DATE:
3/22/2024

SHEET

A-01

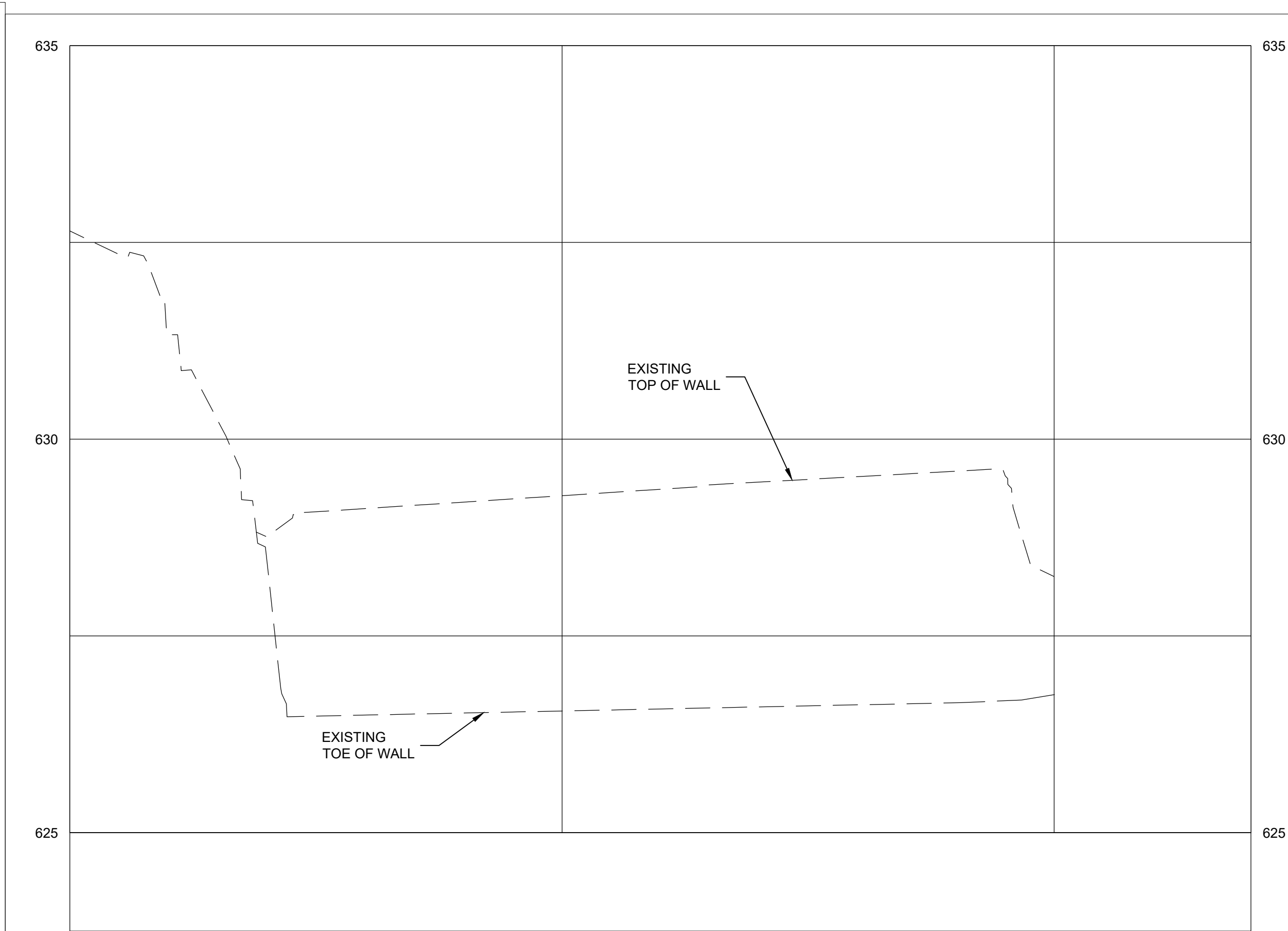
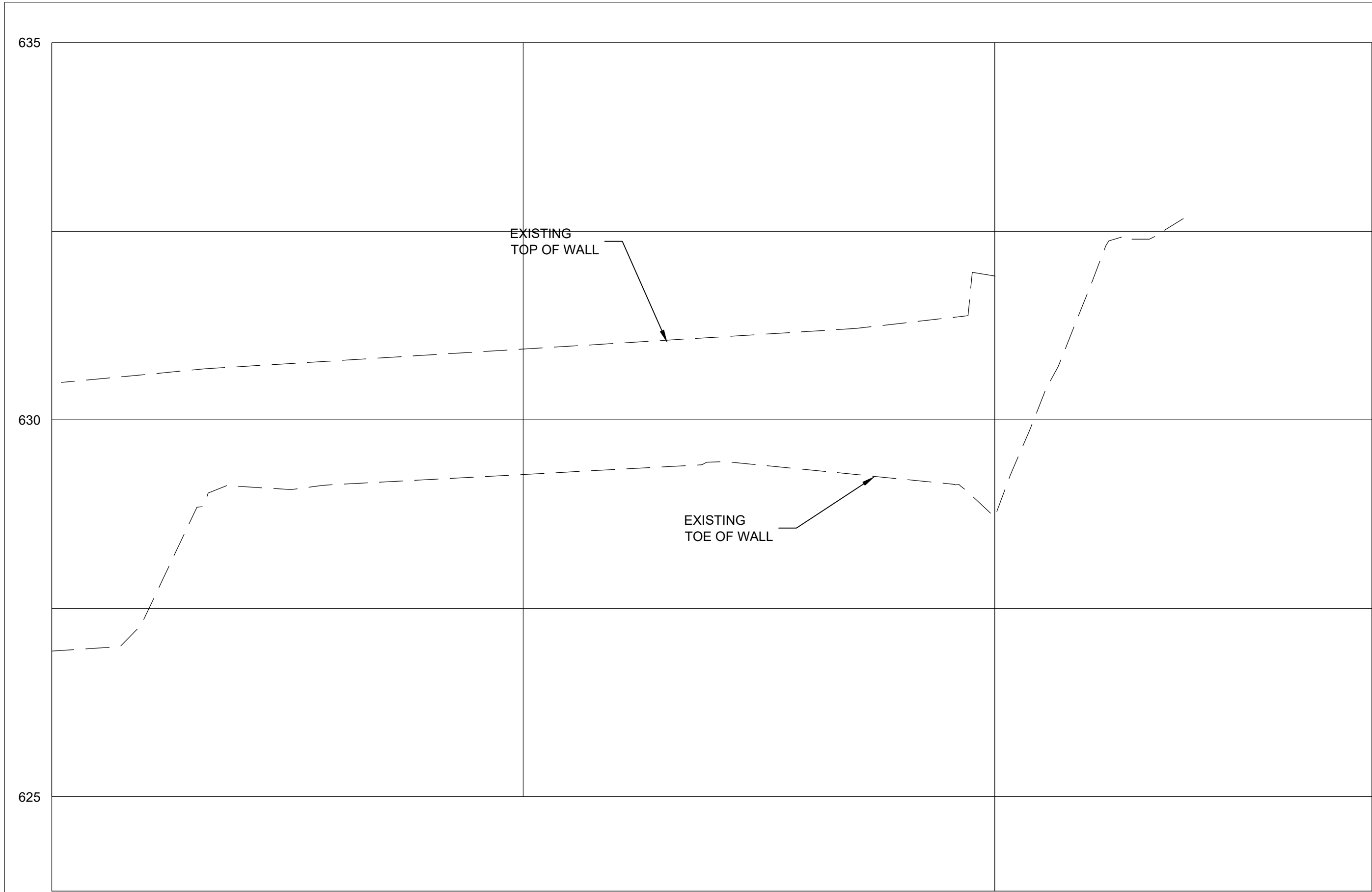
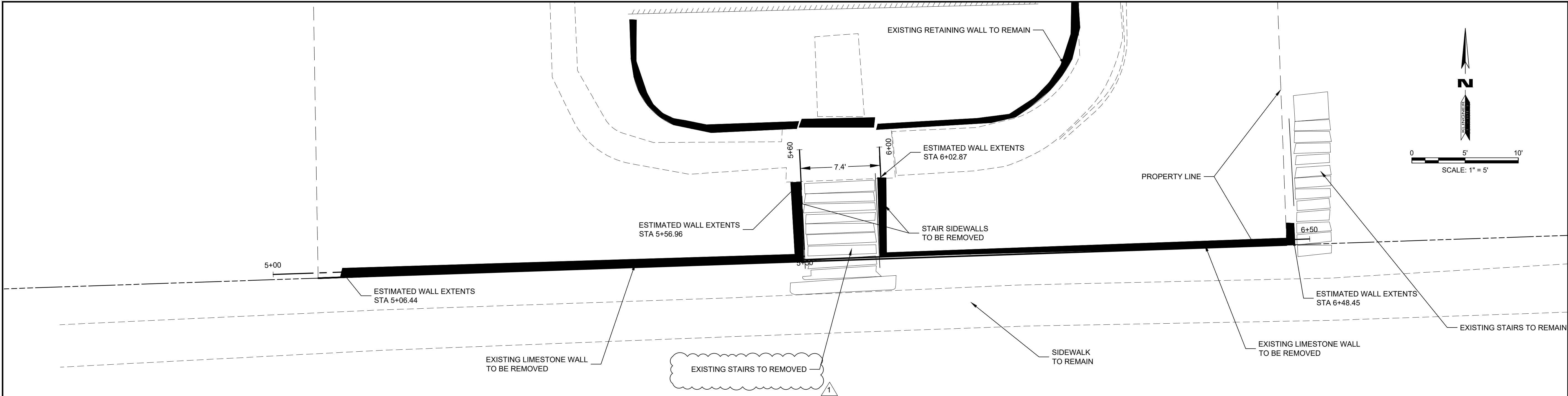
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Davenport, Iowa

4111 East 60th Street
Burlington, IA 52601
Quincy, IL 61850
Columbia, MO 65201



NOTES:

- CONTRACTOR SHALL REMOVE THE EXISTING STONE WALL.
- CONTRACTOR SHALL TAKE CAUTION TO MAINTAIN EXISTING SIDEWALKS AND EXISTING STAIRS TO REMAIN.
- ALL SALVAGEABLE STONES SHALL BECOME PROPERTY OF THE HOMEOWNER.

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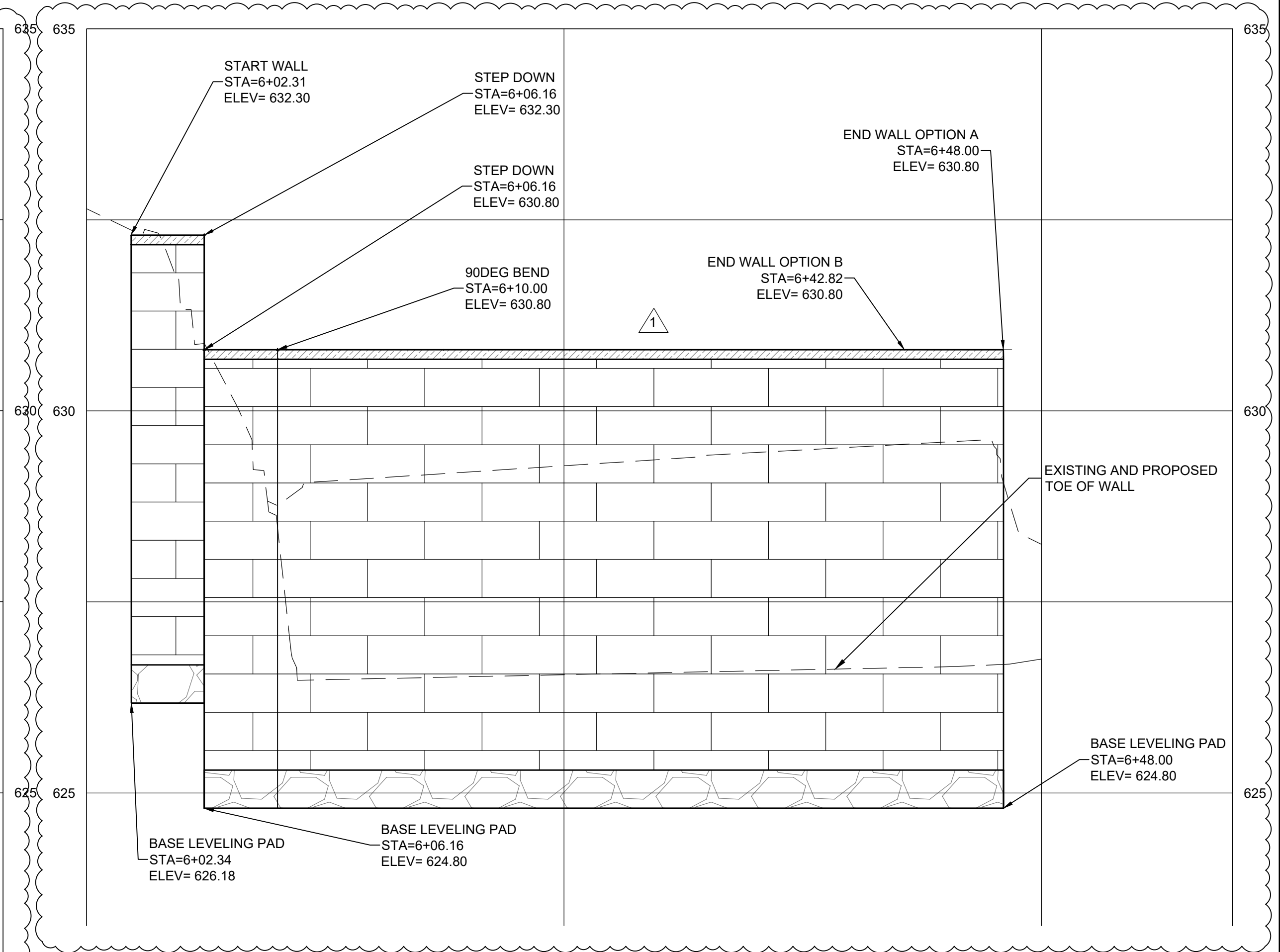
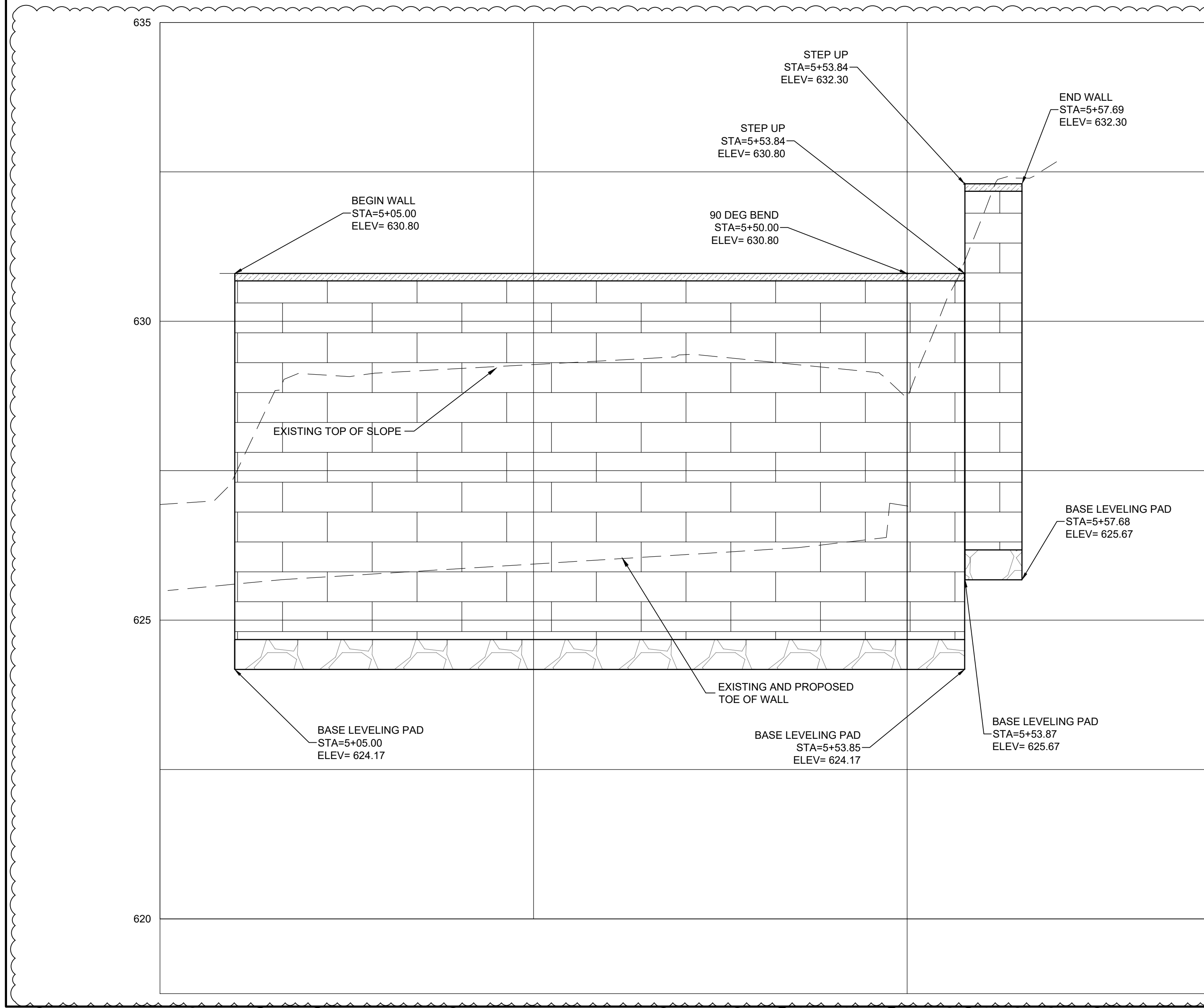
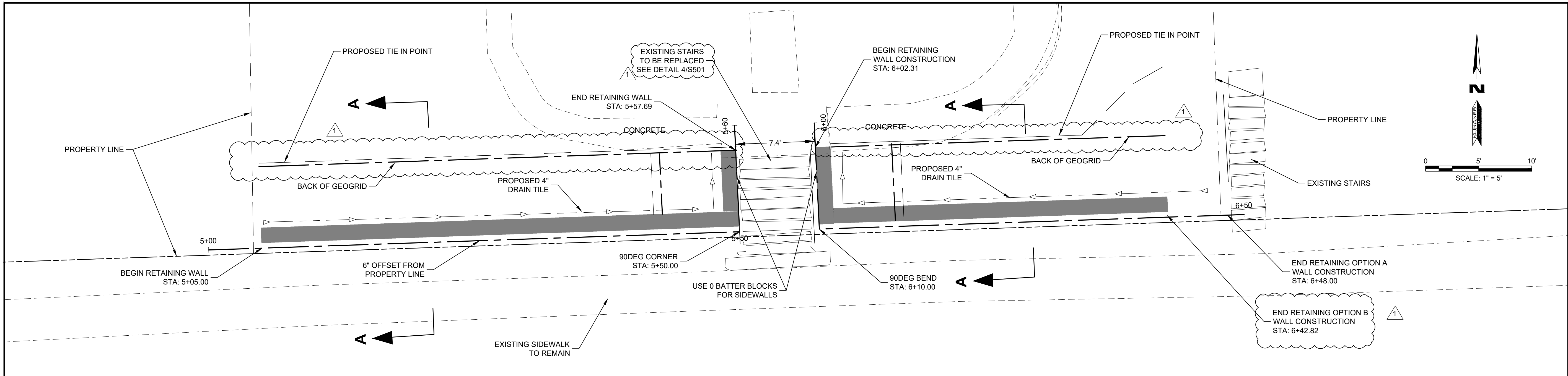
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1	ADDENDUM 2	05/14/2024	

CONSTRUCTION DOCUMENTS
NTS

RETAINING WALL REPLACEMENT
CITY OF DAVENPORT
714 W 6TH ST
DAVENPORT, IA

Non-Reduced Sheet Size: 22" x 34" Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.	
DESIGNED NWK	DRAWN NWK
FIELD	FIELD BOOK
CHECKED LMP	CHECK DATE 3/21/2024

SHEET TITLE EXISTING CONDITONS	
PROJECT NO. 23-6014.004	
DRAWING ISSUED DATE: 3/22/2024	
SHEET EX-01	



NOTES:

1. CONTRACTOR SHALL TAKE CAUTION TO MAINTAIN EXISTING SIDEWALKS, SIDEWALKS, AND WALKWAYS.
2. ALL SALVAGEABLE STONES SHALL BECOME PROPERTY OF THE HOMEOWNER.
3. DRAIN TILE SHALL OUTLET A MINIMUM OF EVERY 50' ALONG FRONT FACE OF WALL
4. STATIONS AND DIMENSIONS ARE GIVEN BASED ON NOMINAL BLOCK SIZE AND ARE GIVEN FOR REFERENCE ONLY. CONTRACTOR SHALL VARY SLIGHTLY ACCORDING TO ACTUAL DIMENSIONS OF BLOCKS BEING INSTALLED. COORDINATE BLOCK 90 DEGREE BENDS WITH EXISTING CONDITIONS.
5. THE WALL ALIGNMENT SHALL FOLLOW A LINE BEING A NOMINAL 6" OFF THE PROPERTY LINE.
6. OPTION A AND OPTION B DEPEND ON IF AN AGREEMENT CAN BE REACHED BETWEEN OWNERS TO REPACE WALL TO ORIGINAL EXTENTS. REPLACEMENT TO THE ORIGINAL EXTENTS WOULD BE PREFERRED.
7. NOTE THAT APPROVAL BY THE CITY DOES NOT CONSTITUTE PERMISSION TO PERFORM WORK IN THE ADJOINING PROPERTY. THE OWNER OF THE ADJOINING PROPERTY MUST GRANT PERMISSION FOR YOUR CONTRACTOR TO PERFORM THIS WORK ON THEIR PROPERTY

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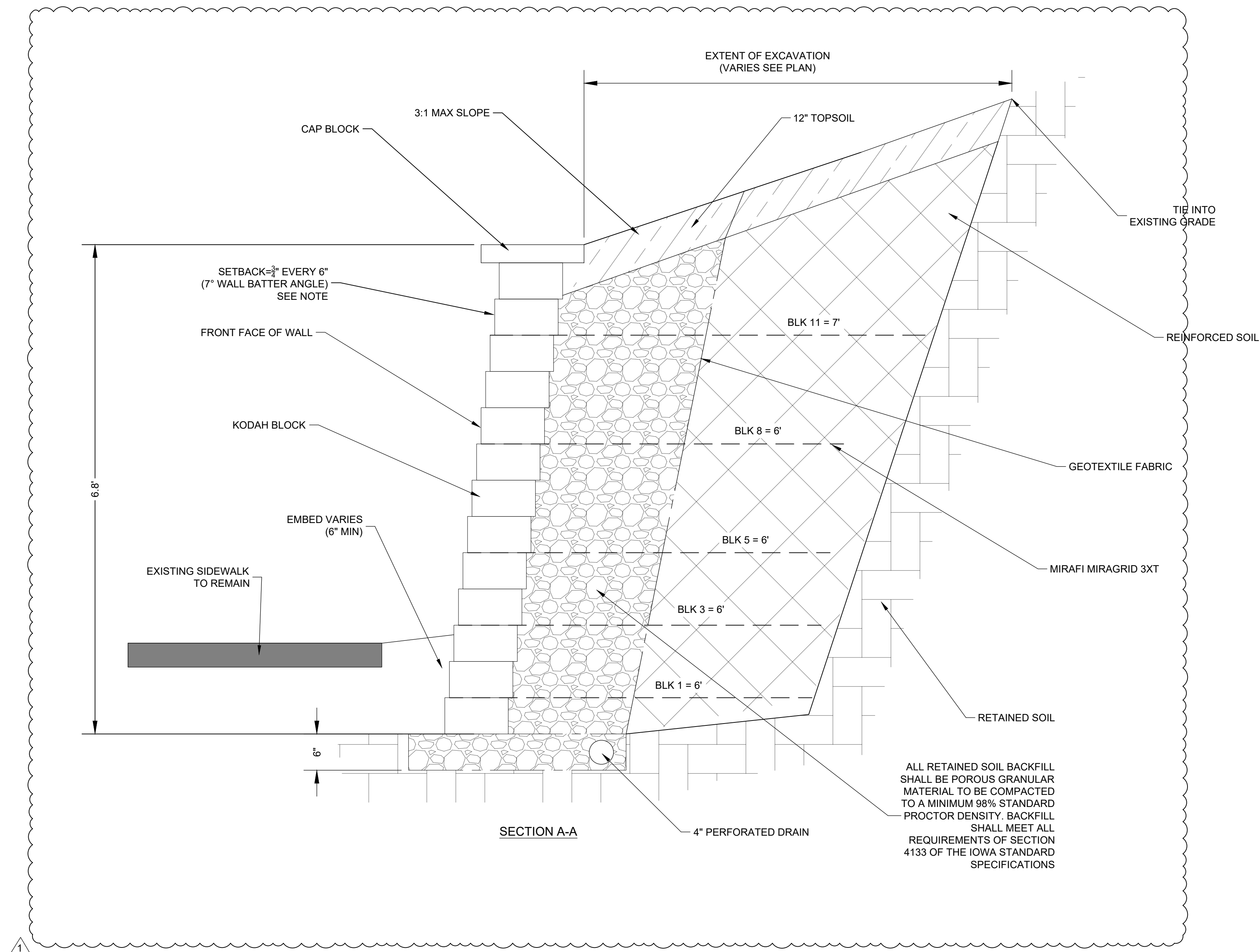
MARK	DESCRIPTION	DATE	APPR
1	ADDENDUM 2	05/14/2024	

MARK	DESCRIPTION	DATE	APPR
1	ADDENDUM 2	05/14/2024	

CONSTRUCTION DOCUMENTS
NTS

RETAINING WALL REPLACEMENT
CITY OF DAVENPORT
714 W 6TH ST
DAVENPORT, IA

Non-Reduced Sheet Size: 22" x 34"	
Full sized plans have been prepared using standard scales. Reduced size plans may not conform to standard scales.	
DESIGNED NWK	DRAWN NWK
FIELD	FIELD BOOK
CHECKED LMP	CHECK DATE 3/21/2024
SHEET TITLE KODAH MODULAR BLOCK RETAINING WALL PLAN AND PROFILE	
PROJECT NO. 23-6014.004	
DRAWING ISSUED DATE: 3/22/2024	
SHEET	
P&P-01	



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CONSTRUCTION
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CITY OF DAVENPORT
714 W 6TH ST
DAVENPORT, IA

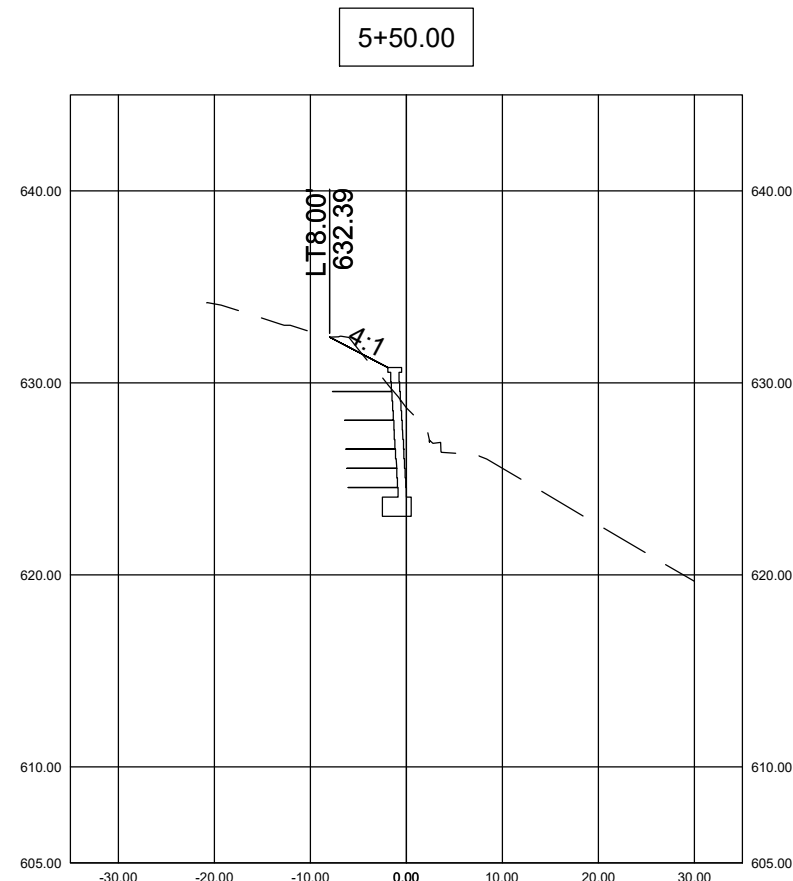
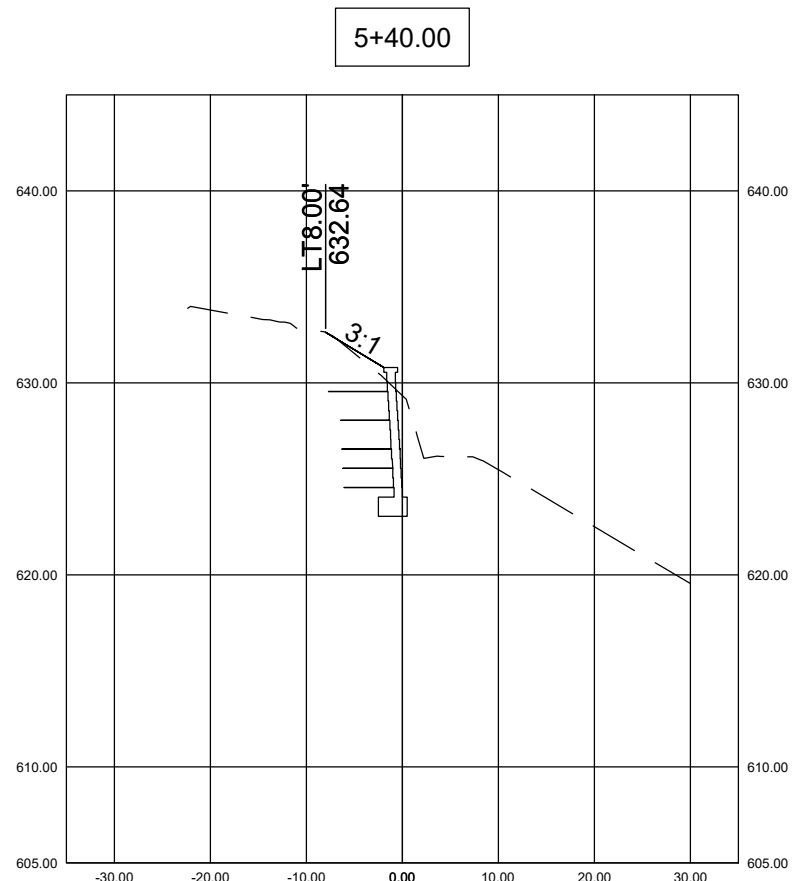
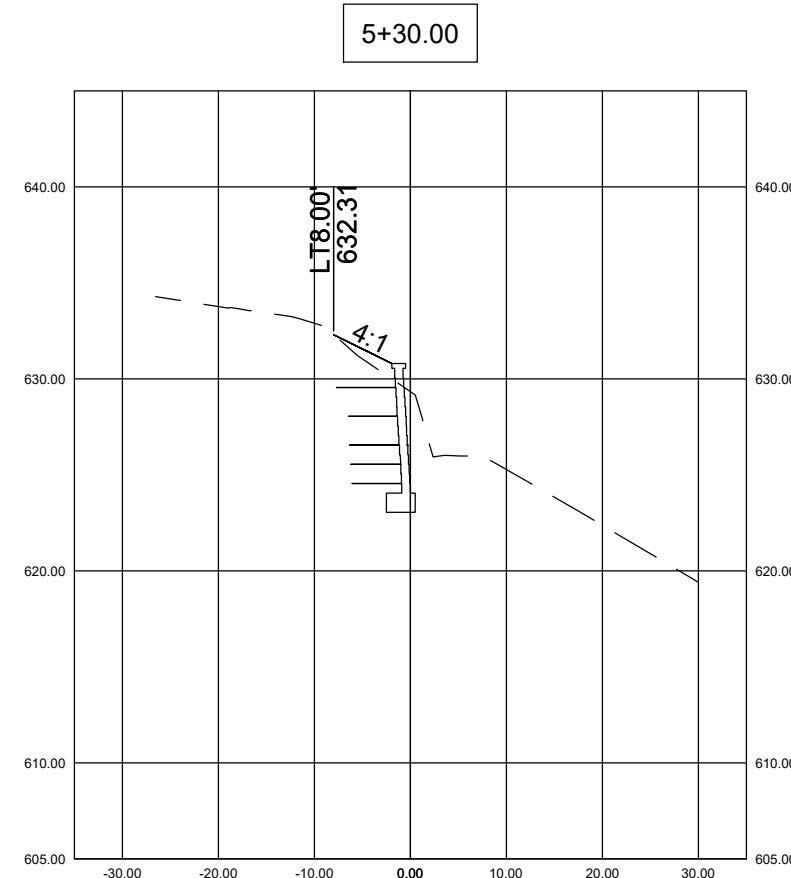
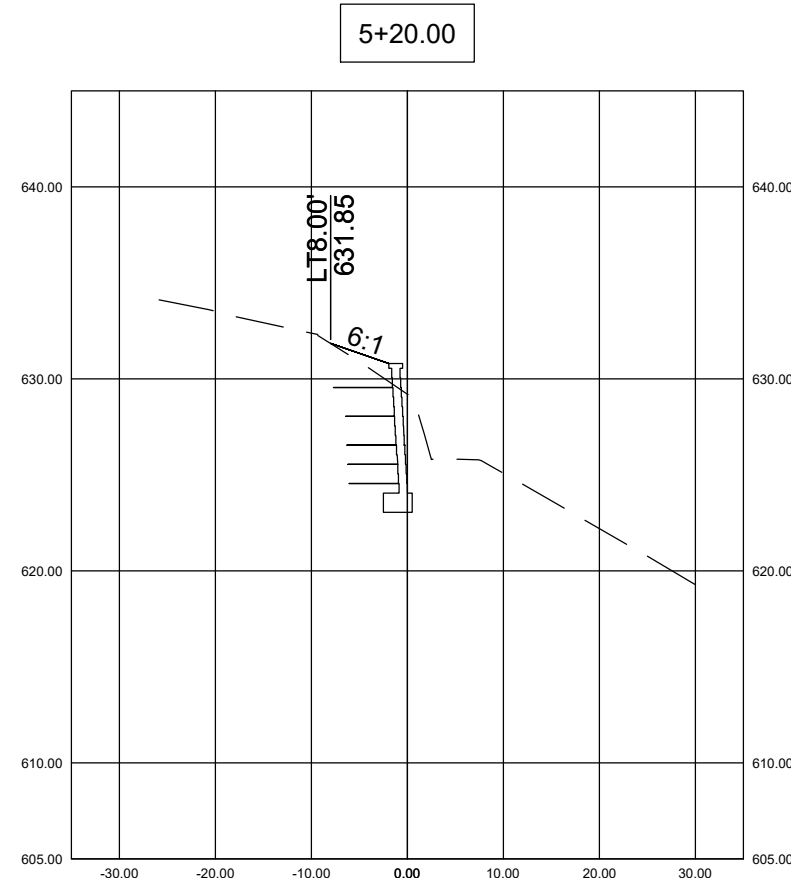
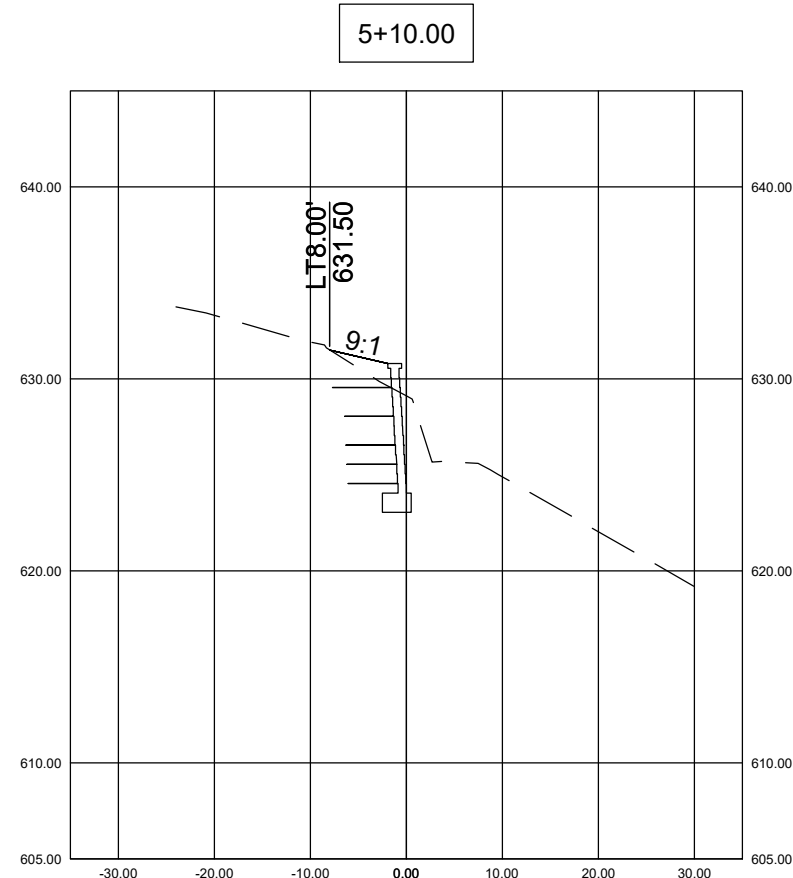
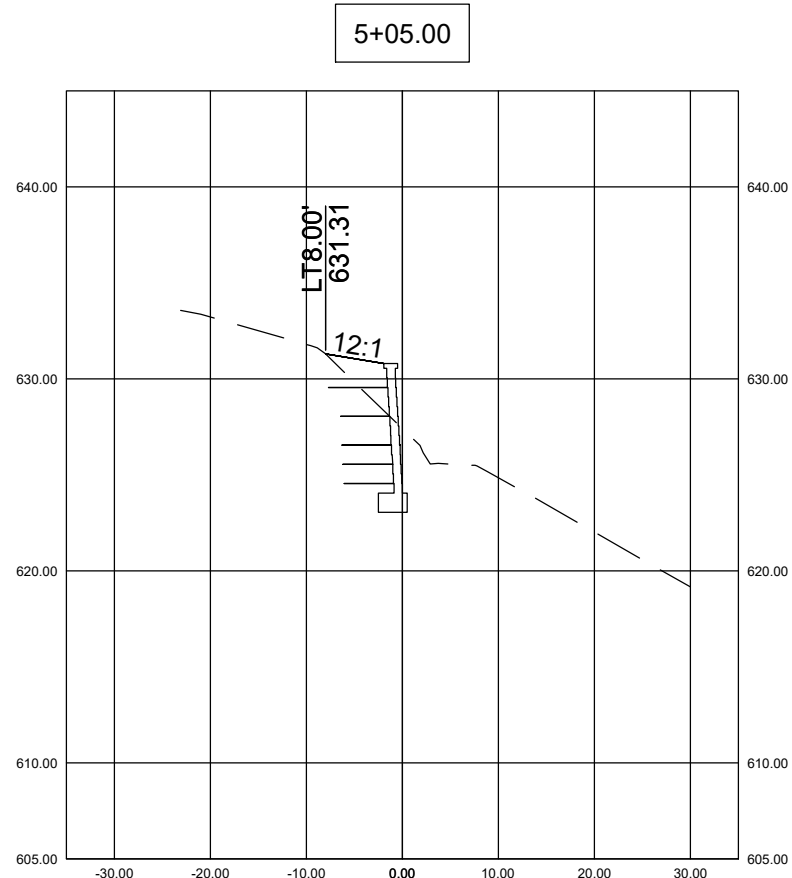
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DESIGNED NWK	DRAWN NWK
FIELD	FIELD BOOK
CHECKED LMP	CHECK DATE 3/21/2024

SHEET TITLE
KODAH MODULAR
BLOCK RETAINING
WALL TYPICAL
SECTIONS

PROJECT NO. 23-6014.004
DRAWING ISSUED DATE: 3/22/2024

SHEET
TS-01



1

1

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RETAINING WALL REPLACEMENT

CITY OF DAVENPORT
714 W 6TH ST
DAVENPORT, IA

Non-Reduced Sheet Size: 22" x 34"

Full sized plans have been prepared using standard scales.
Reduced size plans may not conform to standard scales.

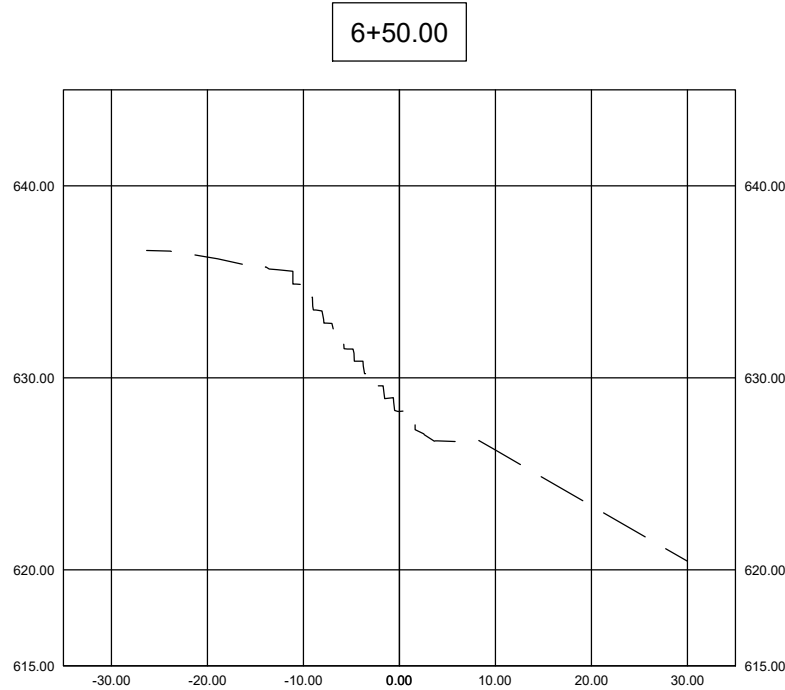
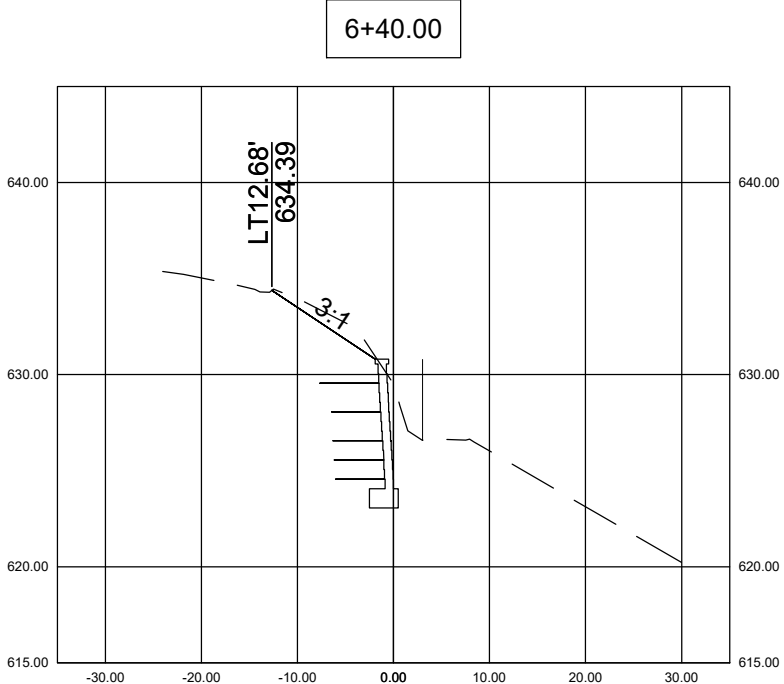
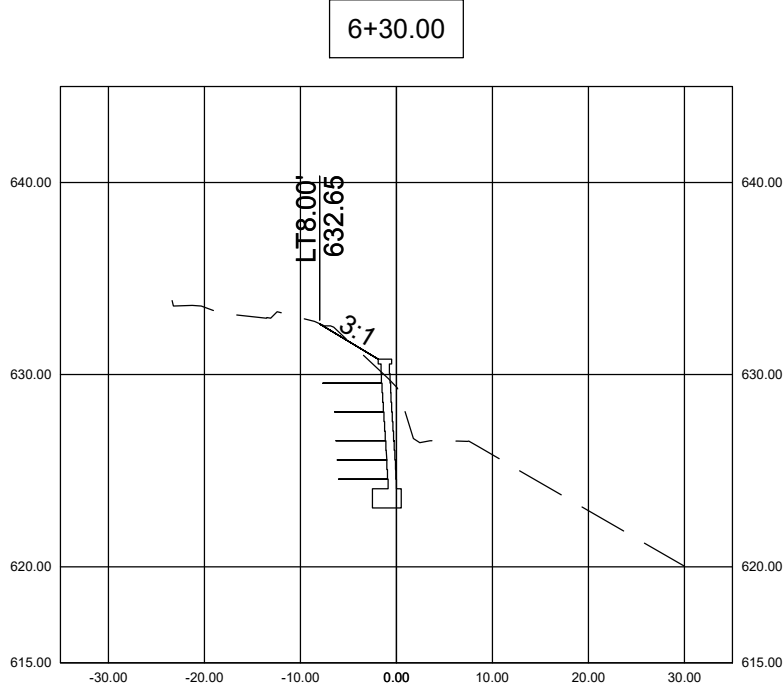
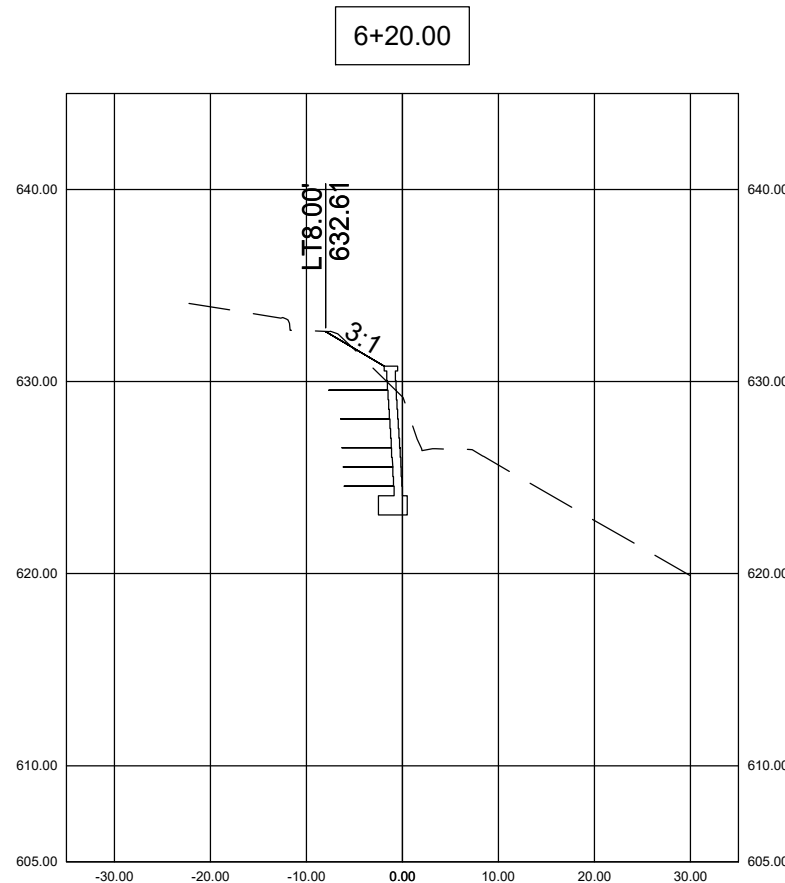
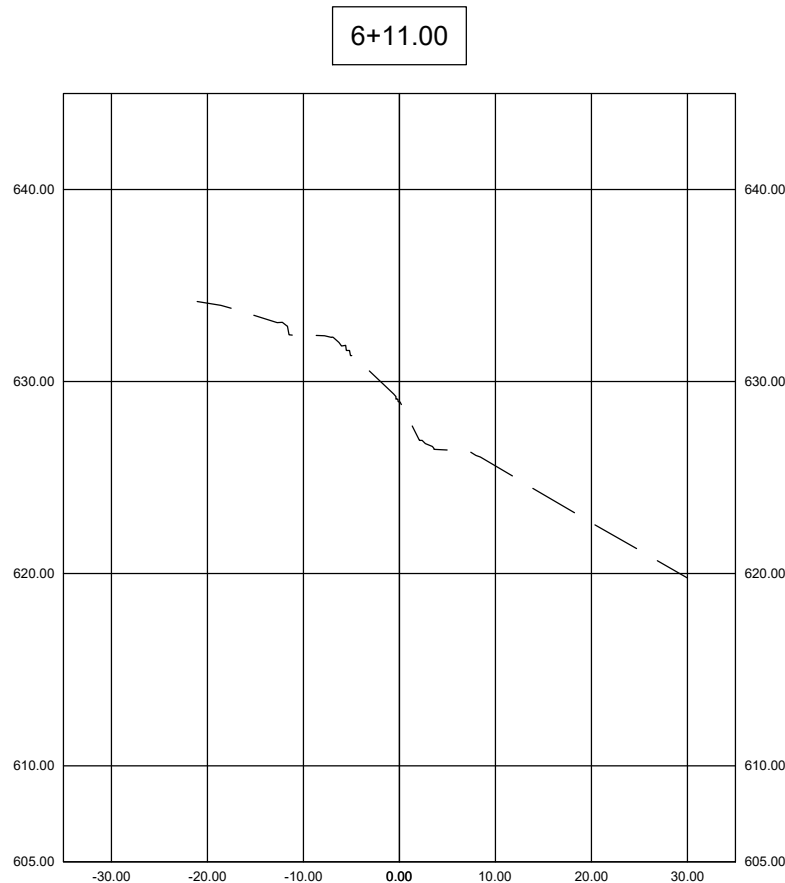
DESIGNED	DRAWN
NWK	NWK
FIELD	FIELD BOOK
CHECKED	CHECK DATE
LMP	3/21/2024

SHEET TITLE
KODAH MODULAR
BLOCK RETAINING
WALL CROSS
SECTIONS 1

PROJECT NO.
23-6014.004

DRAWING ISSUED DATE:
3/22/2024

SHEET
XS-01



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RETAINING WALL REPLACEMENT

CITY OF DAVENPORT
714 W 6TH ST
DAVENPORT, IA

Non-Reduced Sheet Size: 22" x 34"

Full sized plans have been prepared using standard scales.
Reduced size plans may not conform to standard scales.

DESIGNED NWK	DRAWN NWK
FIELD	FIELD BOOK
CHECKED LMP	CHECK DATE 3/21/2024

SHEET TITLE
KODAH MODULAR
BLOCK RETAINING
WALL CROSS
SECTIONS 2

PROJECT NO.
23-6014.004
DRAWING ISSUED DATE:
3/22/2024

SHEET

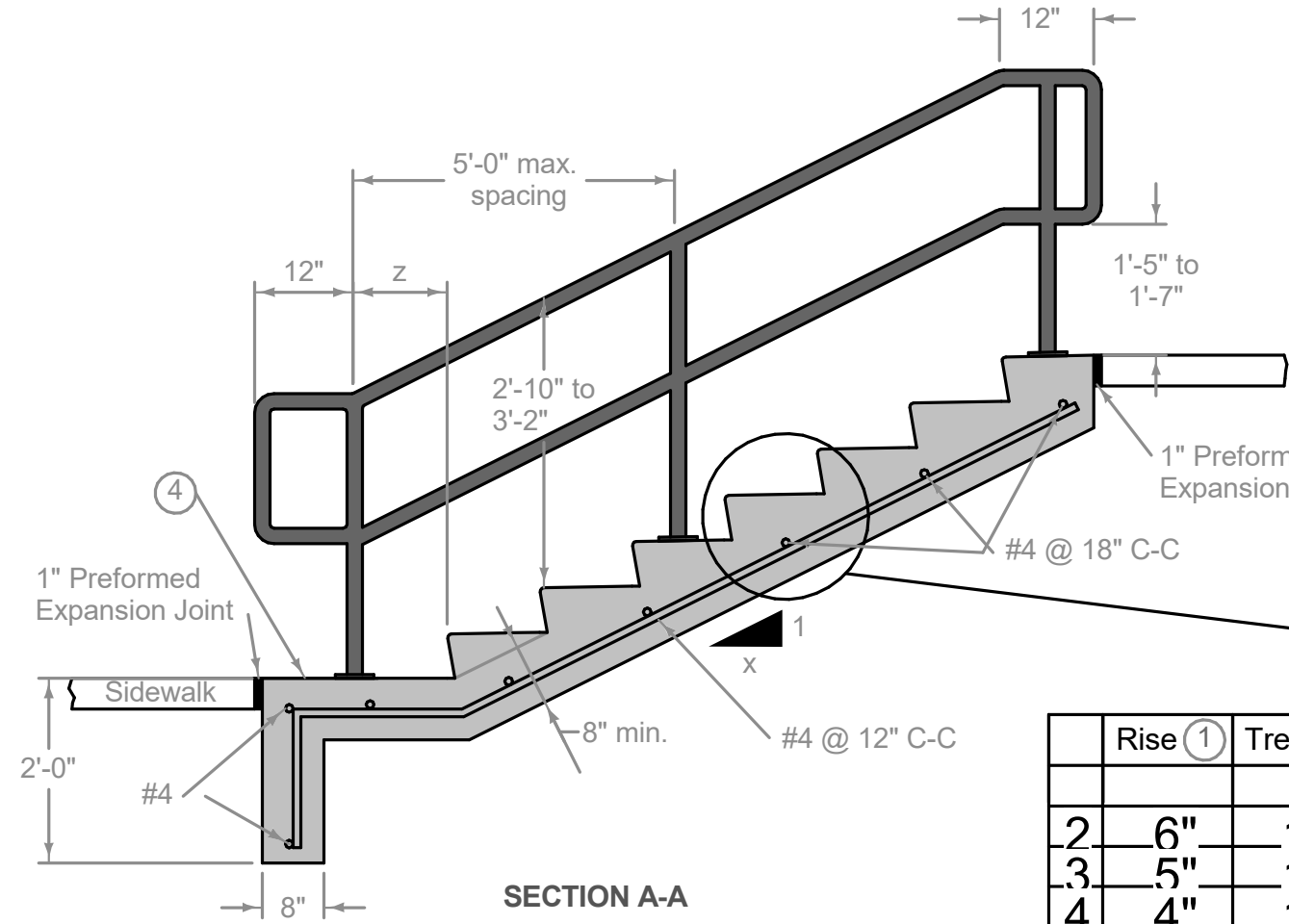
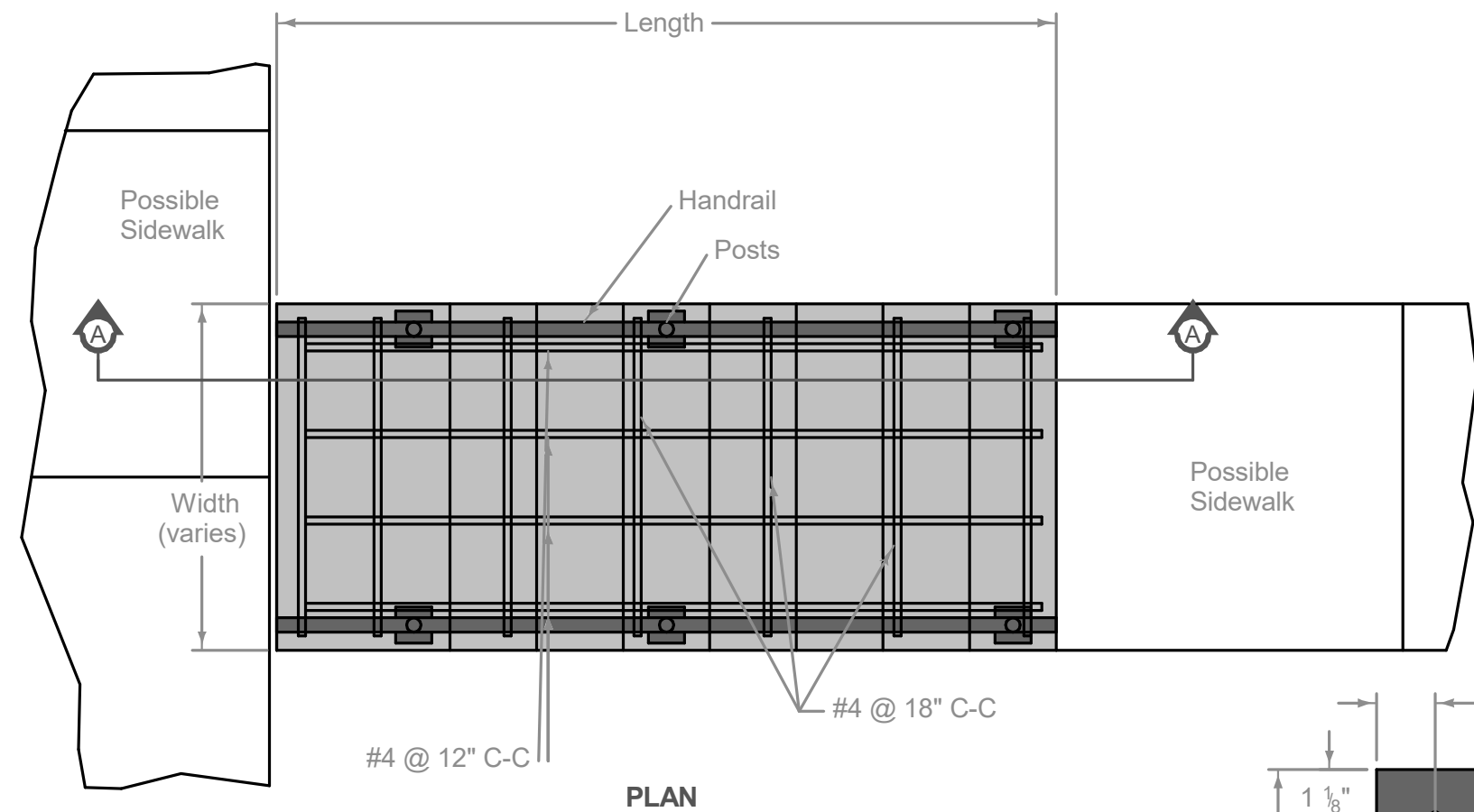
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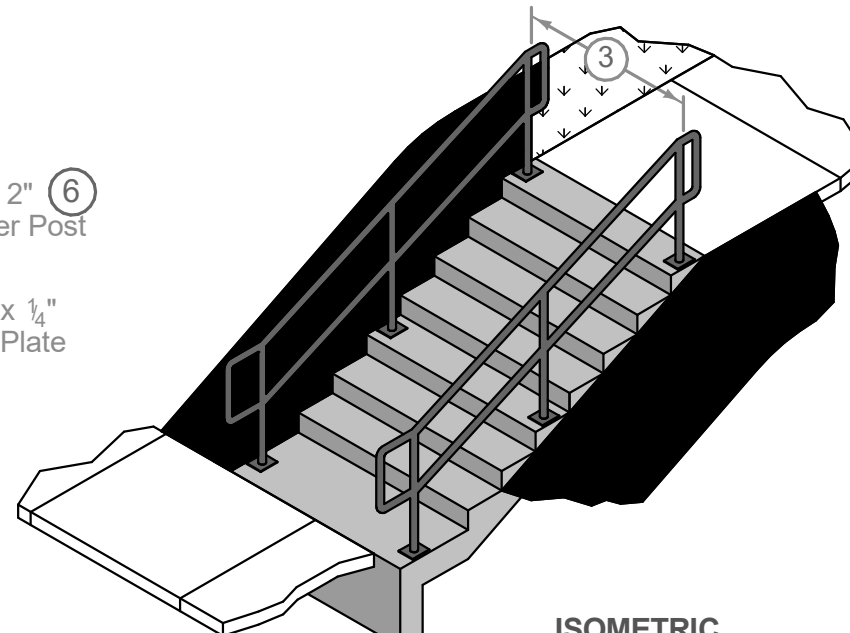
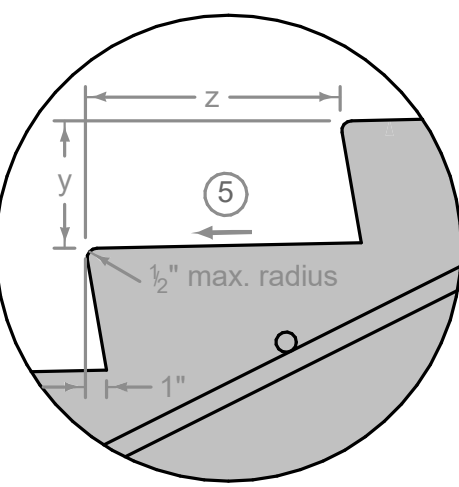
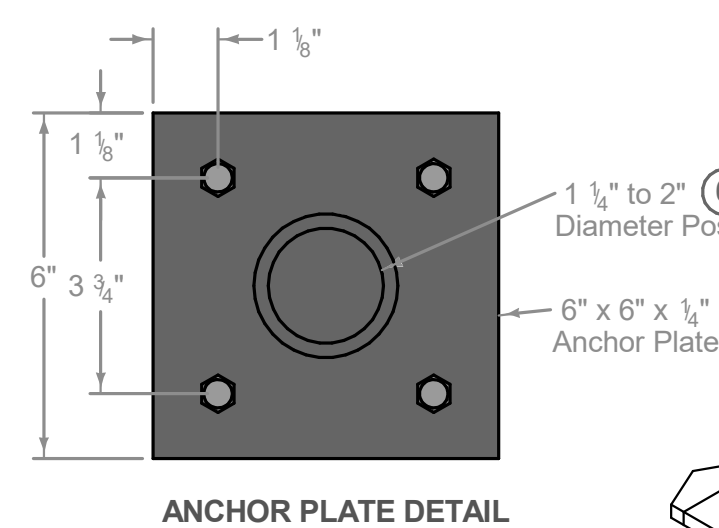
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5/14/2024 9:05:53 AM
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	Rise ①	Tread ②
2	6"	12"
3	5"	15"
4	4"	16"



- PROVIDE A MINIMUM OF 2" OF COVER FOR ALL REINFORCING.
ENSURE ALL RISERS ARE AN EQUAL HEIGHT AND ALL TREADS ARE AN EQUAL DEPTH WITHIN A FLIGHT OF STAIRS.
- ① MINIMUM RISER HEIGHT IS 4 INCHES. MAXIMUM RISER HEIGHT IS 7 INCHES.
 - ② MINIMUM TREAD DEPTH IS 11 INCHES.
 - ③ MATCH EXISTING SIDEWALK WIDTH.
 - ④ CONSTRUCT CROSS SLOPE OF LANDING TO MATCH ADJACENT SIDEWALK.
 - ⑤ SLOPE TREAD 1% MINIMUM TO 2% MAXIMUM IN ANY DIRECTION.
 - ⑥ WELD POST TO ANCHOR PLATE WITH 1/4" WELD. GRIND WELD TO PROVIDE SMOOTH SURFACE, FREE OF BURRS.

④ CAST-IN-PLACE CONCRETE STAIR SECTION & HANDRAIL DETAIL
1/2" = 1'-0"

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REVISION HISTORY			
#	DESCRIPTION	DATE	APPR
1	ADDENDUM 2	05/14/2024	

ISSUED FOR **05/01/2024**
IFC

RETAINING WALL REPLACEMENT
CITY OF DAVENPORT
714 WEST 6TH STREET
DAVENPORT, IA

Non-Reduced Sheet Size 22" x 34"	
Full sized plans have been prepared using standard scales. Reduced sized plans may not conform to standard scales.	
DESIGNED LMP	DRAWN LMP
FIELD	FIELD BOOK
CHECKED ADL	CHECK DATE 03/22/24
SHEET TITLE CAST-IN-PLACE RETAINING WALL STRUCTURAL DETAILS	
PROJECT NO. 23-6014.004	
DRAWING ISSUED DATE: 03/22/2024	
SHEET S501	

KODAH FREESTANDING WALL PALLETS

Kodah Freestanding Wall Blocks are provided in four basic sizes. The blocks are finished on both the front and back faces of the wall blocks and they are tapered on each side approximately 1/2" from the front to the back of the block. There are multiple face textures for each basic block size to provide a more random look for your finished project. Average block weights of the different texture patterns are shown. Weights of individual blocks may vary. Dimensions are nominal due to texture.

Stone & Bundling	Unit Dimensions L" x W" x H" *Nominal due to texture	Units Bundle	Weight/ Stone lbs
	Block 1 42" x 10 1/2" x 6" ±	6	200 ±
	Block 2 30" x 10 1/2" x 6" ±	3	140 ±
	Block 3 21" x 10 1/2" x 6" ±	6	100 ±
	Block 4 12" x 10 1/2" x 6" ±	3	50 ±

KODAH FREESTANDING WALL PALLET

- Pallet weight = ±2,500 lbs (incl. pallet weight)
- Coverage = 21 sqft/pallet when used in a retaining wall and 20 sqft when used in a freestanding wall.
- Section = 7 sqft per layer

KODAH FREESTANDING CORNER PALLETS

The Kodah Collection contains two corner blocks. These blocks are finished on three sides, and the fourth side is tapered to fit with the other retaining wall and freestanding wall blocks. The corner blocks can be used to construct columns, provide a finished end on a freestanding wall, and make 90° corners. There are multiple face textures for the faces of both corner blocks, thus providing a more random look for your finished project. Average block weights of the different face textures are shown. Weights of individual blocks may vary. Dimensions are nominal due to texture.

Stone & Bundling	Unit Dimensions L" x W" x H" *Nominal due to texture	Units Bundle	Weight/ Stone lbs
	Block 1 21" x 10 1/2" x 6" ±	24	100 ±

KODAH CORNER PALLET

- Pallet weight = ±2,500 lbs (incl. pallet weight)
- Coverage = 31.5 sqft/pallet
- Section = 1.3 sqft per piece

DIMENSIONAL WALL PALLETS

Stone & Bundling	Unit Dimensions L" x W" x H"	Units Bundle	Weight/ Stone lbs
	Straight 12" x 8" x 4"	75	28 ±
	Wedge (Front) 12" x 8" x 4" (Back) 7.5" x 8" x 4"	100	20 ±



DIMENSIONAL STRAIGHT PALLET

- Pallet weight = ±2,100 lbs (incl. pallet weight)
- Coverage = 25 sqft/Pallet (Retaining)
- 25 sqft/Pallet (Freestanding)
- Section = Sold by the piece

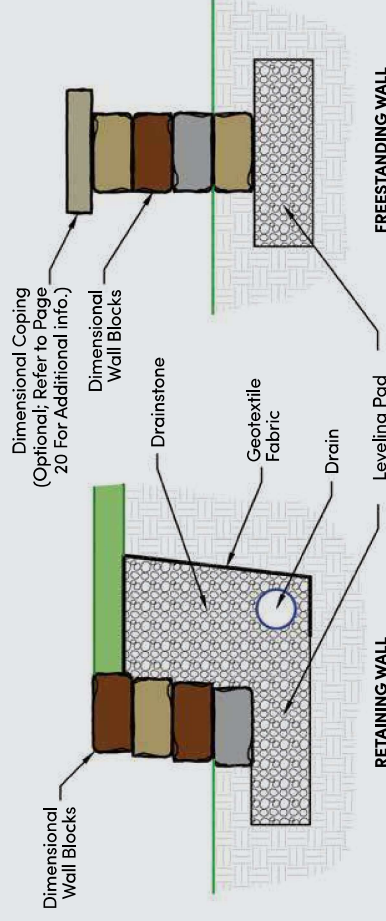


DIMENSIONAL WEDGE PALLET

- Pallet weight = ±2,000 lbs (incl. pallet weight)
- Coverage = 33.3 sqft/Pallet (Retaining)
- 27 sqft/Pallet (Freestanding)
- Section = Sold by the piece

Actual weight and volumes may vary. Weight shown is based on concrete.

RETAINING / FREESTANDING WALL



Actual weight may vary. Packaging may vary by location. Check with local supplier for details.

For more information visit
rosettahardscapes.com/technical-resources-kodah-by-rosetta

Kodah Wall

Kodah Wall is a one-of-a kind large scale retaining wall system. Its modern, linear proportions combined with its rough, quarried stone texture make it perfect for a variety of applications. The Kodah Wall also makes it easier than ever to provide you with the big block look without the over the top installation costs.



Wall Systems



Kodah Wall

	HEIGHT	WIDTH	DEPTH	SF/PALLET	PCS/PALLET	LBS/PALLET
A	6"	42"	10½"	21	6	2,400
B	6"	30"	10½"		3	
C	6"	21"	10½"		6	
D	6"	12"	10½"		3	
E	6"	21"	10½"	31½	24	2,400

Size E sold separately



CORNER SOLD SEPARATELY



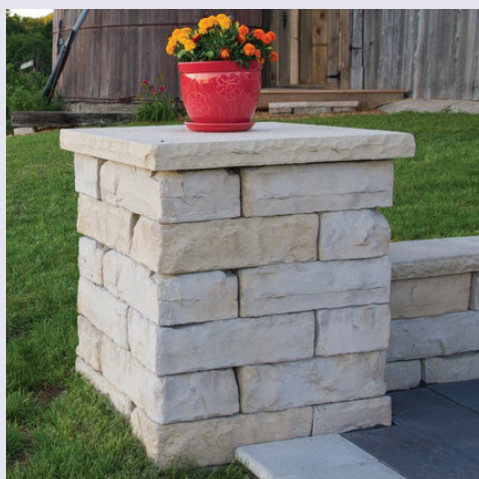
BLUESTONE



MOCHA



YORK BROWN



Corner blocks are used to build the pier. Multiple textures provide a random look for your finished project. Cap provides the finishing touch as well as additional lighting possibilities.

Builds Per Pallet (corner units):

One: 32" x 32" x 36" high pier

HEIGHT	WIDTH	DEPTH	SF/PALLET	PCS/PALLET	LBS/PALLET
6"	21"	10½"	31.5	24	2,400

Cap: 3" x 34" x 34"
(sold separately)



Maximum exposed height for gravity walls is 36" under ideal conditions. Soil type, crest slopes and surcharges will decrease max exposed height for gravity walls. Consult a professional engineer to determine site and specific colors

NOTE: All walls over 2' in height or as required by local code should be designed by a licensed professional engineer. All measurements are nominal. Variance in square footage or linear footage coverage can be up to 5% depending on joint width. The possible occurrence of efflorescence does not affect the structural integrity of the product. Efflorescence is a normal occurrence in concrete products and will dissipate with normal weathering. The use of concrete as a base or setting bed may increase the possibility of efflorescence.



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ARCHITECTURAL/HISTORICAL SURVEY

DAVENPORT, IOWA

The Architects Office

Wehner, Nowysz, Pattschull and Pfiffner
201 day building, Iowa city, Iowa 52240DAVENPORT COMMUNITY DEVELOPMENT DEPARTMENT
IOWA DIVISION OF HISTORIC PRESERVATION

SITE SHEET

ARCHITECTURE

SITE #82-10- 6-W714 MAP # 3

HIST. DIST. Hamburg

NAME Emanuel Rothschild House (H) C

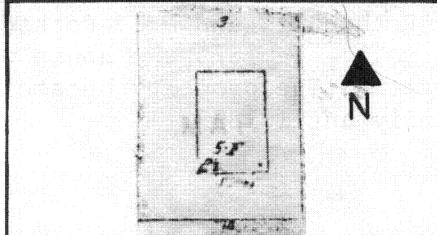
ADDRESS 714 W. 6th Street

LEGAL DES. Original Town (See continuation
SUB-DIVISION 37 sheet)
BLOCK PARCEL SUB-PARCELUTM 15 170116201451997601 ACREAGE -1 ZONE R-6M
EASTING NORTHINGOWNER Eleanor M. Petersen 57 Robert Crow 92
contr. Fred Stevens

(IF DIFF) Ellsworth James, Harley C. De Vore, Jr.

Mail to: D. J. Inc.

1905 Virginia Ave., Davenport, IA 52803



DESCRIPTION

FORM Rectangular 2½ story symmetrical, 5 bay house CONST. DATE C. 1855

MATERIALS Brick with cast iron and wood trim ARCH STYLE Greek Revival

FENESTRATION Rectangular with regular placement

DIST. FEATURES Cast iron lintels, denticular main cornice

ALTERATIONS Some porch railings and trim may have been removed

SITE & RELATED STR. 3 ft. high stone retaining wall at street

STATEMENT

The House is a well preserved example of an early large scale residence in Davenport. The symmetrical facade, classically correct main cornice and cast iron lintels are all Greek Revival in influence. The porch, which appears to be original, is however, of an Italianate design. During the 1850's, both the Greek Revival and Italianate styles were in general use in Davenport. A mixture of these styles was not uncommon, but usually took the form of an Italianate block with Greek Revival detail.

SOURCES

Oszuscik, Philippe. "A History of the Architecture and Urbanization of Nineteenth Century Davenport, Iowa"; Iowa City, 1979. Dissertation, University of Iowa.

Insurance Maps of Davenport, Iowa, New York Sandborn Map Co., 1886, 1892, 1910, 1920 and 1930.

SIGNIFICANCE

HISTORY

DESCRIPTION

A date of c. 1855 for this house is suggested by the style and materials. Available records, however, suggest a possible date of c. 1870, which if correct would make this house a very late example of Greek Revival in the city. From c. 1870-75, the house was occupied by Emanuel Rothschild, a prime partner in the firm of Emanuel Rothschild and Bros., merchant tailors. The brothers were Isa Rothschild, M. Rothschild and M.E. Rothschild. All of the brothers resided at this address as well. In 1875 the house was sold to Henry Techentin, a harness and saddle dealer. The property became known as the "Techentin Homstead" remaining in the family until 1897.

*1865 - Helen Farraday
H.H. Andersen -
1897 \$4700
Henry Petersen.*

SOURCES

City Directories, 1868-69, 1870-71.
Scott County Auditor's Deed Transfer Books, 4:41.

ARCHITECTURAL HISTORIAN: Martha Bowers

HISTORIAN: MARLYS SVENDSEN - ROESLER

SURVEY COMPI 1981

EVALUATION

ARCHITECTURAL

I. ARCH. EVALUATION Excellent
II. ENVIR. STATURE Dominant
III. INT. OF CONTEXT Outstanding
IV. INT. OF FABRIC Excellent

LEVEL OF SIGNIFICANCE:

☐ NAT. ☐ STATE ☒ LOCAL ☐ N. ELIG.

HISTORICAL

I. THEME(S) OF SIGNIFICANCE:

A. PRIMARY _____
B. SECONDARY _____

II. LEVEL OF SIGNIFICANCE:

☐ NAT. ☐ STATE ☐ LOCAL

III. NRHP

ELIGIBLE ☐ NOT ELIGIBLE ☐

HISTORIC DISTRICT CLASSIFICATION

☒ A. ☐ B. ☐ C

FOR DIVISION OF HISTORIC PRESERVATION USE ONLY

1. DATE RECEIVED _____

2. DATE OF STAFF EVALUATION _____

	A. ARCHITECTURAL	B. HISTORICAL
ELIGIBLE FOR NRHP	☐	☐
NOT ELIGIBLE FOR NRHP	☐	☐

3. NRHP ACTION

A STATE REVIEW COMM.	APP. ☐	DISAPP. ☐	TABLED ☐	DATE _____
B. FEDERAL REVIEW	APP. ☐	DISAPP. ☐	TABLED ☐	DATE _____

4. D.H.P. SOURCES

☐ COUNTY RESOURCES
☐ W'SHIELD SURVEY
☒ NRHP 11/10/83
☐ GRANT _____

☐ DET. OF ELIGIBILITY

☐ R. & C. _____
☒ DAVENPORT A/H SURVEY

5. SUBJECT TRACES

6. PHOTO

1616-10

1658-5

The Architects Office

Wehner, Nowysz, Pattschull and Pfiffner
201 dev building, iowa city, iowa 52240DAVENPORT COMMUNITY DEVELOPMENT DEPARTMENT
IOWA DIVISION OF HISTORIC PRESERVATION

82 - 10 - 6-W714

LEGAL DESCRIPTION:

E 20' of lot 2 also pt of lot 3 SD blk com at SW cor of lot - N alg W/L of lot to NW cor - E alg N/L of lot 45' - S para with W/L of lot 45' - E 22' - S 105' W alg N/L of 6th St 67' to beg.



CONTINUATION

Historic Preservation Ordinance

Section 14.01.060 Certificate of Appropriateness Review Process

C. Commission review process - Standards for review. In considering an application for a certificate of appropriateness, the commission shall be guided by the following general standards in addition to any other standards or guidelines established by ordinance for a local landmark or historic district. In all cases, these standards are to be applied in a reasonable manner, taking into full consideration the issue of economic feasibility and other technical considerations.

1. Every reasonable effort shall be made to make the minimal number of changes necessary to maintain a designated property in a good state of repair, thereby minimizing the impact of the proposed alteration; and
2. The removal, alteration or concealing of distinguishing exterior architectural features and historic material of a designated property should be avoided when possible; and
3. All designated property shall be recognized as a product and physical record of its time, place and use. Changes that create a false sense of historical development, such as adding conjectural architectural features shall be discouraged; and
4. Most properties change over time, and those changes that have acquired architectural and/or historical significance in their own right shall be recognized, respected and retained; and
5. Distinctive architectural features, construction techniques and/or examples of craftsmanship that characterize a designated property shall be treated with due consideration; and
6. Deteriorated architectural features should, where possible, be repaired rather than replaced. Where the severity of deterioration requires replacement, 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; and
7. Activities that cause deterioration of a designated property and its architectural features shall be discouraged. In those cases where the damage would be irreversible, such as sand-blasting and wet blasting fire-hardened bricks, the activities shall be prohibited. If cleaning is to be done, the gentlest means possible shall be encouraged; and
8. Known significant archeological resources possibly affected by a proposed activity shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken; and
9. New additions and related new construction shall not be discouraged when such improvements do not destroy historic material and such design is compatible with the size, massing, scale, color, materials and character of the property, neighborhood and district, if applicable.

D. Design criteria to implement review standards. When the commission is considering an application for a certificate of appropriateness, it shall consider the following architectural design criteria, or elements of design as they relate to the standards for review prescribed in Section 14.01.040C.

1. Height. The height of any proposed addition, construction or reconstruction should be compatible with the designated property and the surrounding structures, if located within a designated historic district; and
2. Proportions. The proportions (width versus height relationship) between doors and windows should be compatible, if not replicated, with the architectural design and character of the designated property; and
3. Scale. A proposed alteration, construction, reconstruction or addition should not negatively impact the scale of the designated property or district; and
4. Materials. Historic or original architectural features, or replacement elements which in all ways replicated the original, should be repaired whenever possible; and
5. Relationship of building masses and spaces. The relationship of a structure within a designated historic district to the rear, side and front yards between it and surrounding structures should be compatible; and
6. Roof shape. The roof design and shape should remain consistent with its original configuration and character; and
7. Site improvements. Landscaping and other site improvements, including off-street parking, should have as minimal of an impact as possible to the designated property's original plan/layout and its visual character.

City of Davenport

Department: Development & Neighborhood Services
Contact Info: Matt Werderitch | 563-888-2221

Action / Date
6/11/2024

Subject:

Case COA24-07: Request for the installation of a new roof and siding at 708 West 6th Street. The Louis and Mary Rehling House is located in the Hamburg Local Landmark Historic District. Matthew Rhomberg, petitioner. [Ward 3]

Recommendation:

A recommendation is made to approve the Certificate of Appropriateness for exterior alteration at 708 West 6th Street in accordance with the submitted material and subject to the following conditions:

1. The profile of the horizontal LP Smart Siding shall match the profile of the existing wood siding.
2. The dimensions of the frieze board and trim shall be reproduced with the LP Smart Siding material.

The project was reviewed for conformance with the Standards for Review, Chapter 14.01.060 C of the Davenport Municipal Code. The project meets the following standards:

1. Every reasonable effort shall be made to make the minimal number of changes necessary to maintain a designated property in a good state of repair, thereby minimizing the impact of the proposed alteration.
2. Deteriorated architectural features should, where possible, be repaired rather than replaced. Where the severity of deterioration requires replacement, 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.

Background:

The Louis and Mary Rehling House was originally constructed in 1875 at 307 Warren Street. The home was moved to its current location in 1956. Since the architecture of the home matched the character of the Hamburg Historic District, the structure is considered contributing. The building materials consist of wood siding, concrete foundation, and a gable roof with asphalt shingles. The property owner received funding through the DREAM Program to rehabilitate the exterior.

The following project scope is proposed:

1. Siding:
 - a. Remove existing Masonite, mixed wood siding and trim, much of which is damaged.

- b. Replace siding and trim with LP Smart Siding and trim-in wood grain.
 - c. Maintain a similar color scheme with Redwood Red siding and Rapids Blue trim.
- 2. Roof:
 - a. Install new Owens Corning architectural shingles over existing single layer 3-tab roofing shingles.
 - b. Color scheme: Terra-Cotta.

Project Review: Siding

The owner is requesting permission to cover the deteriorated wood siding with LP Smart Siding. The replacement siding is an engineered wood product. LP Smart Siding is a high quality material that can replicate a wood finish, while providing better durability and less maintenance. This product has been used throughout the Village of East Davenport as a substitute for wood siding. Staff believe LP Smart Siding is a high quality option that preserves the historic appearance of the home and compliments the district.

The applicant intends to replicate the board widths and colors with the new material. Staff advise the dimensions of the frieze board and trim be reproduced with the LP Smart Siding material. In addition, there are several windows on the rear elevation that are lacking trim. These missing elements should be addressed through this project.

Project Review: Roof

The historic property inventory sheet identifies the roofing material as asphalt shingle. Based on prior building permits, the existing roof appears to be a 3-tab shingle. The benefits of the proposed architectural shingle include enhanced durability, better wind resistance, improved waterproofing capabilities, and a more dimensional appearance for added curb appeal. Staff consider the installation of an architectural shingle to be a replacement in-kind. Thereby keeping the property in a good state of repair and having minimal impact on the historic characteristics of the home.

Attachments:

1. Application
2. Background Material & Photos
3. LP Smart Side Specifications
4. Owens Corning Architectural Shingle Specifications
5. Historic Property Inventory Sheet
6. Section 14.01.060.C Certificate of Appropriateness Review Process

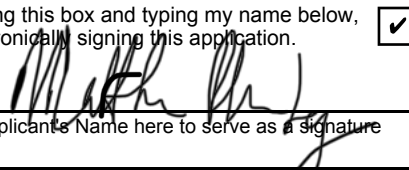


CITY OF DAVENPORT
Development & Neighborhood
Services – Planning
1200 E. 46th St
Davenport, IA 52807

Office 563.326.6198
planning@davenportiowa.com

APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

HISTORIC PRESERVATION COMMISSION

APPLICANT INFORMATION	
Application Name	Matthew Rhomberg
Address	708 West 6th St.
City State Zip	Davenport, IA, 52802
Phone	563-949-0293
Secondary Phone	N/A
E-Mail Address	RhombergPropertyManagement@Gmail.com
Acceptance of Applicant I, the undersigned, certify that the information on this application to the best of my knowledge is true and correct. I further certify that I have a legal interest in the property in question, and/or that I am legally able to represent all other persons or entities with interest in this property, and acknowledge formal procedure and submittal requirements. I understand I am responsible for attendance at the meeting as shown on the historic preservation commission calendar. The City reserves the right to require further site studies as necessary. By checking this box and typing my name below, I am electronically signing this application. ☒  Type Applicant's Name here to serve as a signature _____ Date 05/30/24	
DEVELOPMENT TEAM	
Property Owner Matthew Rhomberg	
Address 708 W. 6th St, Davenport IA 52802	
Phone	Secondary Phone
563-949-0293	N/A
E-Mail Address RhombergPropertyManagement@Gmail.com	
Project Manager/Other	
Address	
Phone	Secondary Phone
E-Mail Address	
RESOURCE TYPE Local Hamburg Distrcit	
SUBMITTAL DATE 05/31/2024	MEETING DATE 06/11/2024
SITE ADDRESS & PARCEL NUMBER and/or HISTORIC NAME 708 W. 6th St, Davenport IA 52802 - #82-00559	
BRIEF OVERVIEW OF THE PROJECT (not a scope of work)	
APPLICABILITY PRIOR to any work on applicable Historic Resources: A Certificate of Appropriateness must be submitted & approved PRIOR to the commencement of the following: - Any Building or Sign Permit changing the exterior (except demo) - New construction/Addition or exterior alteration of a structure - Sign installation or alteration Demolition of any local or national historic resources shall require a Historic Demolition Request Application	
ALL SUBMITTALS SHALL INCLUDE:	
SUBMITTED	
Full Scope of Work (SOW) attached as a .PDF all work & materials shall be described & itemized/listed in detail	☐
Photos or renderings of all existing building/sign façades	☐
Proposed color building/sign elevations to scale rendered showing existing and/or proposed building materials	☐
Material specs: type, dimensions, color & manufacturer	☐
MINOR & MAJOR ADDITIONS, SITE IMPROVEMENTS, & NEW BUILDINGS SHALL INCLUDE ADDITIONAL ITEMS*:	
Dimensioned Site Plan (proposed & existing buildings/site items)	☐
Grading Plan with 2 foot intervals (if needed)	☐
Mechanical Screening shall be shown	☐
Materials Board of sample building materials proposed	☐
* Major Additions & New Buildings may require more extensive information	
Formal Procedure	Application Fee: NONE
(1) Application: - Prior to submission of the application, the applicant shall correspond with Planning staff to discuss the request, potential alternatives and the process. - The submission of the application does not constitute official acceptance by the City of Davenport. Planning staff will review the application for completeness and notify the applicant that the application has been accepted or additional information is required. <u>Inaccurate or incomplete applications may result in delay of applicant's scheduled meetings.</u>	
(2) Scope of Commission's Consideration: - Only work described in the application may be approved. - If insufficient information exists to make a proper judgment on the application, the Commission may continue the consideration a maximum of 60 days, excluding applicant's continuances.	
(3) Post Commission Ruling: - An approved Cert. of Appropriateness does not constitute a City permit or license and does vest against any other land development regulation or regulatory approval. Applicant must contact necessary development authorities. - Appeals to determinations are \$75 made to City Council and shall be in writing submitted to the Zoning Administrator within 30 calendar days of Commission's decision.	
Submit this form with attachments to: planning@davenportiowa.com	

Scope of Work

Roof

Install new Owens Corning architectural shingles over existing single layer 3-Tab roofing shingles.

Color Scheme - Terra-cotta

- **Additional Components**

Roof jack and vents added if needed.

Siding

- Remove existing masonite, mixed wood siding, and trim, much of which is damaged.
- Replace siding and trim with LP Smart Siding & Trim -in wood grain.
- **Color Scheme** - Maintain current trim color.

Siding - Redwood Red

Trim - Rapids Blue

This document outlines the scope of work for the replacement of roof shingles, siding, and window wrap, ensuring a cohesive and aesthetically pleasing renovation.

Louis & Mary Rehling House

DAVENPORT
IOWA | USA



Project Scope

DAVENPORT
IOWA | USA

Request: Install LP Smart Siding and an Asphalt Shingle Roof



Siding & Trim

DAVENPORT
IOWA | USA

- **Existing Material:** Wood Siding
- **Replacement Material:** LP Smart Side
 - Engineered Wood Product
 - Look & Warmth of Natural Wood
 - Durable and Low Maintenance



Redwood Red
Siding



Rapids Blue
Trim



Siding & Trim

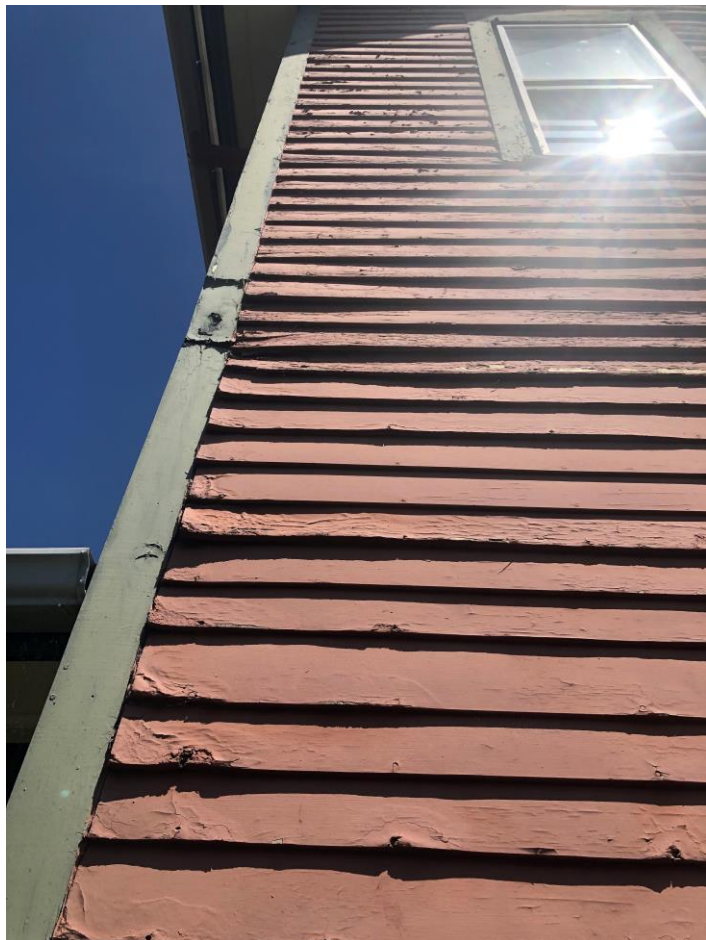
DAVENPORT
IOWA | USA



Reproduce Trim & Frieze Board
Dimensions with LP Smart Siding

Condition of Siding

DAVENPORT
IOWA | USA



Condition of Siding

DAVENPORT
IOWA | USA



Roof Replacement

- **Existing Material:** 3-Tab Asphalt Shingle
- **Proposed Material:** Architectural Asphalt Shingle
- **Product:** Owens Corning
- **Color:** Terra Cotta



PRODUCT MASTERSPEC LICENSED BY DELTEK, INC. TO LOUISIANA-PACIFIC CORPORATION

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For more information, contact Louisiana-Pacific Corporation, 414 Union St., Suite 2000; Nashville, TN 37219; Phone: (888) 820-0325; Fax: (877) 523-7192; Website: <http://lpcorp.com>; Email: customer.support@lpcorp.com.

For information about MasterSpec, contact Deltek at (800) 424-5080 or visit masterspec.com.

SECTION 074643.13 - ENGINEERED WOOD SIDING

TIPS:

To view non-printing **Editor's Notes** that provide guidance for editing, click on MasterWorks/Single-File Formatting/Toggle/Editor's Notes.

To read **detailed research, technical information about products and materials, and coordination checklists**, click on MasterWorks/Supporting Information.

Access Product MasterSpec Sections:

[<Double click here to view the list of manufacturer Sections available at ProductMasterSpec.com>](#)

Access Sustainability Content in UL SPOT:

[<Double click here to view products with UL Environment certifications>](#)

Access Product Transparency Content in the Sustainable Minds Transparency Catalog:

[<Double click here to view products with environmental product declarations \(EPDs\) and material ingredient disclosures>](#)

Revise this Section by deleting and inserting text to meet Project-specific requirements.

MasterSpec includes provisions for LEED v4, LEED v4.1, IgCC, and Green Globes.

1. GENERAL

1. SUMMARY

- Section Includes:
 1. Engineered wood siding.
 - a. Panel and lap siding.
 - b. Shake siding.
 - c. Vertical siding.
 - d. Trim and fascia.
 - e. Soffit.
 2. Accessories.
- Related Requirements:

Retain subparagraphs below to cross-reference requirements Contractor might expect to find in this Section but are specified in other Sections.

1. Section 042000 "Unit Masonry" for CMU substrate support framing.
2. Section 042200 "Concrete Unit Masonry" for CMU substrate support framing.
3. Section 054000 "Cold-Formed Metal Framing" for metal stud substrate support framing.
4. Section 061000 "Rough Carpentry" for wood stud substrate support framing.
5. Section 061600 "Sheathing" for wall sheathing substrates.
6. Section 072100 "Thermal Insulation" for continuous insulation behind exterior cladding.

Retain one of first four subparagraphs below for appropriate type of weather barrier or air barrier to be included in Project; delete subparagraphs not used. The weather barrier or air barrier is a critical element of a continuous insulation (CI) wall assembly, and it is recommended that Architect have dew point calculations performed on assembly at Project location using local code requirements and current ASHRAE 90.1 Standards.

1. Section 072500 "Weather Barriers" for water-resistive barriers.
2. Section 072713 "Modified Bituminous Sheet Air Barriers" for vapor-retarding, modified bituminous sheet type air barriers.
3. Section 072715 "Nonbituminous Self-Adhering Sheet Air Barriers" for vapor-retarding and vapor-permeable nonbituminous sheet type air barriers.
4. Section 072726 "Fluid-Applied Membrane Air Barriers" for vapor-retarding and vapor-permeable fluid-applied air barriers.
5. Section 079200 "Joint Sealants" for sealants at edges and transitions between composite composition siding system and exterior cladding.

1. DEFINITIONS

Retain terms that remain after this Section has been edited for a project. The proprietary SmartGuard engineered wood treatment process is used by Louisiana-Pacific Corporation consisting of an advanced formula of waxes, adhesive resins, and zinc borate applied before being bonded with a resin-saturated, water-resistant overlay. The process helps the products resist termites and fungal decay, for long-term strength and durability in a variety of weather conditions.

- Treated Engineered Wood: Engineered wood products manufactured for exterior use treated with manufacturer's proprietary process to resist fungal decay and termite damage.

1. COORDINATION

- Coordinate engineered wood siding installation with flashings, trim, and construction of other adjoining work to ensure proper sequencing, construction progress, and to provide a leakproof, secure, and noncorrosive installation.

2. PREINSTALLATION MEETINGS

Retain "Preinstallation Conference" Paragraph below if Work of this Section is extensive or complex enough to justify a conference.

- Coordinate with Section 013100 "Project Management and Coordination."
- Preinstallation Conference: Conduct conference at [Project site] <Insert location>.
 1. Attendees: Installer and representatives of manufacturers and fabricators involved in or affected by the installation and its coordination or integration with other materials and installations that have preceded or will follow, to attend the meeting. Advise Architect[, Construction Manager] [, and Owner's Commissioning Authority] of scheduled meeting dates and times a minimum of 14 days prior to meeting.
 2. Agenda: Review progress of other construction activities and preparations for the particular activity under consideration, including requirements for the following:
 - a. Schedule.
 - b. Responsibilities
 - c. Critical path items.
 - d. Submittals.

1. ACTION SUBMITTALS

- Product Data: For each type of product and component included in engineered wood siding system. Include the following:
 1. Construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of product and accessory included in siding system.
 2. Installation methods, including nailing patterns.
 3. Siding manufacturer's requirements for products to be installed by others.
 4. Maintenance and periodic inspection recommendations.
- Shop Drawings: For engineered wood siding.
 1. Include plans, elevations, sections, and attachment details.
 2. Detail expansion joints, material joints, angle changes, flashings, and abutment to adjacent Work.

Retain "Samples for Initial Selection" and "Samples for Verification" paragraphs below for two-stage Samples.

- Samples for Initial Selection: For engineered wood siding, including related accessories.
- Samples for Verification: For each type, color, texture, and pattern required.
 1. 6-inch- (152-mm-) long Sample of engineered wood siding and trim.

For LP's sustainable design documentation, see UL Spot and Sustainable Minds links at the beginning of this Section.

- Sustainable Design Submittals:

"Sourcing of Raw Materials" Subparagraph below applies to LEED v4 (all), MRc "Building Project Disclosure and Optimization - Sourcing of Raw Materials, Option 1 - Raw Material Source and Extraction Reporting." Verify, with manufacturer, that corporate sustainability reports are available, have been prepared within the last year or are applicable to the year of production, and are by an organization approved by the USGBC.

Retain for LP's "LP Smartside"; see <https://lpcorp.com/resources/product-literature/lp-corporate/lp-forest-certification-certificates>.

1. Sourcing of Raw Materials: Corporate sustainability report for each manufacturer.

"Environmental Product Declaration (EPD)" and "Third-Party Certified Life-Cycle Assessment" subparagraphs below apply to Green Globes v1.4 if products specified in the Section are used to comply with requirements of paragraph 3.5.1.2 "Path B: Prescriptive Path for Building Core and Shell," which requires that a certain percentage of the materials used in the core and shell have EPDs, third-party certifications, and/or third-party life-cycle assessments.

Retain first subparagraph for LP's "LP SmartSide – Primed," see www.astm.org/CERTIFICATION/DOCS/647.EPD for Louisiana Pacific SmartSide Trim Siding.pdf.

1. Environmental Product Declaration (EPD): For each product.
1. INFORMATIONAL SUBMITTALS
 - o Qualifications: For Installer.

For LP's "APA PR-N124" for "LP SmartSide Lap and Panel Siding," see <https://lpcorp.com/resources/product-literature/code-reports-certificates/apa-pr-n124>.

For LP's "APA PR-N117" for "LP SmartSide Soffit," see <https://lpcorp.com/resources/product-literature/code-reports-certificates/apa-pr-n117>.

For LP's "HUD-MR-1318b - Material Release," see www.hud.gov/sites/documents/DOC_19642.PDF.

- o Product Test Reports: For each product, APA[**and HUD**] tests performed by a qualified testing agency.

For LP's "ICC-ESR 1301" evaluation report for "LP SmartSide Lap and Panel Siding," see <https://lpcorp.com/resources/product-literature/code-reports-certificates/esr-1301>.

For LP's Canadian "CCMC No. 11826" evaluation report for "LP SmartSide Lap and Panel Siding," see https://lpcorp.com/media/3336/lp-smartside-osb-waferboard_ccmc-11826_6-2-14.pdf.

- o Evaluation Reports: For engineered wood siding system, from ICC-ES in compliance with AC321.
- o Sample warranties.
- 1. CLOSEOUT SUBMITTALS
 - o Maintenance Data: For each type of product, including related accessories, to include in maintenance manuals.
- 2. QUALITY ASSURANCE

For LP's trained installers, see <https://lpcorp.com/where-to-buy?tab=contractor>.

- o Installer Qualifications: Installers trained by siding manufacturer.

For HUD's "HUD-UM-40 - Plywood and Other Performance Rated Wood-Based Structural-Use Panels," see www.hud.gov/sites/documents/DOC_19567.PDF.

- Panel to comply with HUD-UM-40c - HUD Building Product Standards and Certification Program for Plywood and Other Performance Rated Wood-Based Structural-Use Panels.

1. MOCKUPS

- Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.

Retain first subparagraph below for large-scale mockup. Indicate portion of building represented by mockup on Drawings or draw mockup as separate element. Revise to suit Project or if larger mockup is needed for field performance testing.

1. Build mockup of typical wall area [**as indicated on Drawings**] <Insert size>, including[**corner,**] trim, [**fascia,**] supports, attachments, and accessories.

Retain first subparagraph below if mockups are not only for establishing appearance factors.

1. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.

Retain subparagraph below if the intention is to make an exception to the default requirement in Section 014000 "Quality Requirements" for demolishing and removing mockups.

1. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1. DELIVERY, STORAGE, AND HANDLING

- Deliver components and other manufactured items so as not to be damaged or deformed. Package components for protection during transportation and handling with manufacturer's name and identification of products.
- Unload, store, and erect components in a manner to prevent bending, warping, twisting, and surface damage. Maintain slip sheet until piece is being prepared for installation.
- Store components on flat surfaces clear of the ground. Store under roof or covered with suitable weathertight and ventilated covering, and in accordance with manufacturers' written instructions.

2. WARRANTY

When warranties are required, verify with Owner's counsel that special warranties stated in this article are not less than remedies available to Owner under prevailing local laws.

For LP's "LP SmartSide Limited Warranty" information, see <https://lpcorp.com/resources/product-literature/warranties/lp-smartside>.

- Manufacturer's Trim and Siding Limited Warranty: Manufacturer agrees to repair or replace components of engineered wood siding against substrate damage within specified warranty period.
 1. Substrate damage is defined as deterioration, buckling, and overlay issues caused by manufacturing defects or termite damage.
 2. Hail damage is defined as a crack or chip in the surface overlay, or product substrate dents exceeding **3/8 inch (10 mm)** in length or diameter and is caused by hail.
 3. Limited Warranty Period: 50 years from date of installation and written to Owner on date of Substantial Completion.

Retain "Manufacturer's Trim and Siding Prefinish Limited Warranty" Paragraph below for LP's "SmartSide ExpertFinish Trim & Siding."

For "LP SmartSide ExpertFinish Limited Warranty" information, see <https://lpcorp.com/resources/product-literature/warranties/lp-smartside-expertfinish>.

- Manufacturer's Trim and Siding Prefinish Limited Warranty: Manufacturer agrees to repair or replace components of prefinished engineered wood siding against finish and substrate damage within specified warranty period.
 1. Substrate damage is defined as deterioration, buckling, or overlay issues caused by manufacturing defects or termite damage.
 2. Hail damage is defined as cracks or chips in the surface overlay or dent in the substrate of the product that exceeds 3/8 inch (10 mm) in length or diameter, and is caused by hail.
 3. Finish damage is defined as, under normal conditions and use, discoloring due to chalking, peeling, blisters, cracks; erosion to the extent of exposing the substrate; or yellowing or color fade change from light exposure not to exceed 5 Delta E CMC (2:1).
 4. Limited Warranty Period for Substrate: 50 years from date of installation and communicated to Owner on date of Substantial Completion.
 5. Limited Warranty Period for Finish: 15 years from date of installation and communicated to Owner on date of Substantial Completion.

Retain "Manufacturer's Accessories and Non-Standard Applications Limited Warranty" Paragraph below for LP's "SmartSide ExpertFinish Trim & Siding."

For "LP Accessories and Non-Standard Applications Limited Warranty" information, see <https://lpcorp.com/resources/product-literature/warranties/accessories-and-non-standard-applications>.

- Manufacturer's Accessories and Non-Standard Applications Limited Warranty: Manufacturer agrees to repair or replace components of manufacturer's accessories and when used in approved non-standard applications against substrate and finish damage within specified warranty period.
 1. Substrate damage is defined as deterioration, buckling, or overlay issues caused by manufacturing defects or termite damage.
 2. Hail damage is defined as cracks or chips in the surface overlay or dent in the substrate of the product that exceeds 3/8 inch (10 mm) in length or diameter, and is caused by hail.
 3. Finish damage is defined as, under normal conditions and use, discoloring due to chalking, peeling, blisters, cracks; erosion to the extent of exposing the substrate; or yellowing or color fade change from light exposure not to exceed 5 Delta E CMC (2:1).
 4. Limited Warranty Period for Substrate and Finish: 10 years from date of installation and communicated to Owner on date of Substantial Completion.

1. PRODUCTS

Manufacturers and products listed in this Section are neither recommended nor endorsed by the AIA or Deltek. Before selecting manufacturers and products, verify availability, suitability for intended applications, and compliance with minimum performance requirements. For definitions of terms and requirements for Contractor's product selection, see Section 016000 "Product Requirements."

Product options commonly available from manufacturers are included in square brackets throughout the Section Text. Not every manufacturer listed can provide every option offered; verify availability with manufacturers. For

definitions of terms and requirements for Contractor's product selection, see Section 016000 "Product Requirements."

1. SOURCE LIMITATIONS

Retain this article to limit sources for the entire Section. Source limitations may also be specified in individual articles if desired.

- Provide components and materials specified in this Section from single manufacturer for a complete and compatible assembly.

1. PERFORMANCE REQUIREMENTS

Coordinate this article with other Part 2 articles. Insert other performance and design criteria below to suit Project, or add them to Drawings. AIA Document A201 requires Owner or Architect to specify performance and design criteria to be satisfied.

- Structural Performance: Provide engineered wood siding system tested to APA PS2 and PRP 108, in compliance with [IBC Section 2308.9.3, Table 2308.9.3(5)] [IRC Section R602.10, Table R602.10.2], and certified to be without permanent deformation or failure of structural members in accordance with design wind velocities for Project geographic location and probability of occurrence based on data from wind velocity maps provided in ASCE 7 and as approved by authorities having jurisdiction (AHJ).
 1. Design Loads: [As indicated on Drawings] <Insert design loads>.

LP's cladding assembly is tested in accordance with FL TAS 202 (uniform structural load) for high-velocity hurricane zone (HVHZ) applications, by an accredited testing laboratory.

For LP's "Florida dbpr" approved listings, see www.floridabuilding.org/pr/pr_app_lst.

For LP's "Texas Department of Insurance (TDI): Lap and Panel Siding" information, see www.tdi.texas.gov/wind/prod/eclap.

- Structural: Test in accordance with FL TAS 202 as follows:
 1. When tested at positive and negative wind-load design pressures, assemblies do not evidence deflection exceeding specified limits.
 2. When tested at [150] <Insert number> percent of positive and negative wind-load design pressures, assemblies, including anchorage, do not evidence material failures, structural distress, or permanent deformation of main framing members exceeding [0.2] <Insert number> percent of span.
 3. Minimum test duration in accordance with FL TAS 202 is 10 seconds, which is historically U.S. practice.
 4. Test Durations: As required by design wind velocity, but not less than [10] <Insert number> seconds.

Retain "Fire-Resistance Performance" Paragraph below only if products specified are part of a fire-resistance-rated assembly. Indicate rating, testing agency, and testing agency's design designation on Drawings.

For LP's "California Department of Forestry & Fire Protection - Office of State Fire Marshal - Fire Engineering - Building Materials Listing Program (BML) No. 8140" listing, see <https://osfm.fire.ca.gov/divisions/fire-engineering->

[and-investigations/building-materials-listing/bml-search-building-materials-listing](#) and search under "Company" for "Louisiana-Pacific Corporation."

For LP's "Texas Department of Insurance (TDI): Lap and Panel Siding EC-22" listing, see www.tdi.texas.gov/wind/prod/eclap.

- Fire-Resistance Performance: Comply with ASTM E119 for testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency acceptable to AHJ.
 1. Surface-Burning Characteristics: Provide engineered wood siding system with a Class C flame-spread index of 76 to 200 or less and a smoke-developed index of 0 to 450 or less when tested in accordance with ASTM E84 and UL 723.
- Thermal Movement Performance: Allow for thermal movements from ambient and surface temperature changes to prevent buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects.

First "Certified Wood" Paragraph below applies to IgCC.

- Certified Wood: Wood products to be labeled in accordance with the AF&PA's Sustainable Forestry Initiative, or be certified and labeled in accordance with the standards of the Programme for Endorsement of Forest Certification.

"Certified Wood" Paragraph below applies to Green Globes.

- Certified Wood: Wood products to be certified in accordance with the American Tree Farm System's "AFF Standard," the AF&PA's Sustainable Forestry Initiative, or the standards of the Programme for Endorsement of Forest Certification.

First "Composite Wood Products" Paragraph below applies to LEED v4 or LEED v4.1.

- Composite Wood Products: Products to be made using ultra-low-emitting formaldehyde resins as defined in the California Air Resources Board's "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products" or made with no added formaldehyde.

"Composite Wood Products" Paragraph below applies to ASHRAE 189.1.

- Composite Wood Products: Products to be made without added urea formaldehyde.
1. ENGINEERED WOOD SIDING

LP's "SmartSide Trim and Siding" products are designed to work with a wide range of texture options, giving designers flexibility that can deliver longer-lasting beauty. It is available factory-primed or prefinished with their "ExpertFinish" system of 16 standard colors.

Retain "Basis-of-Design Product" Paragraph and list of manufacturers below to identify a specific product or a comparable product from manufacturers listed.

- Basis-of-Design Product: Subject to compliance with requirements, provide Louisiana-Pacific Corporation; LP SmartSide Trim & Siding and ExpertFinish Trim & Siding or comparable product by one of the following:

LP's "SmartSide" is unique in the industry; the two comparable manufacturers listed are true industry competitors but not material equals.

1. Allura.
 2. James Hardie.
 3. <Insert manufacturer's name>.
- Treated Engineered Wood Lap Siding: Exterior-grade, resin-saturated, paper overlay laminated to EPA-registered zinc-borate-treated engineered wood siding. Exposed edges sealed for moisture resistance. Manufacturer's acrylic finish.

Retain "Basis-of-Design Product" Subparagraph below to identify a specific product or a comparable product.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Louisiana-Pacific Corporation; LP SmartSide Lap Siding and ExpertFinish Lap & Siding, [38] [76] Series or comparable product.

LP's SmartSide Lap Siding is available in two thickness Series; retain first option in "Thickness" Subparagraph below for "38 Series" and second option for "76 Series."

1. Thickness: [0.354 inch (8.9 mm)] [0.418 inch (10.6 mm)] total thickness.
 2. Width: [5.84 inches (148 mm)] [6.84 inches (174 mm)] [7.84 inches (199 mm)] [11.84 inches (301 mm)].
 3. Length: [12 ft. (3.7 m)] [16 ft. (4.9 m)].
 4. Color: [As selected by Architect from manufacturer's full range] <Insert color>.
 5. Texture: [Smooth finish] [Cedar texture].
- Treated Engineered Wood Panel Siding: Exterior-grade, resin-saturated, paper overlay laminated to EPA-registered zinc-borate-treated engineered wood siding. Exposed edges beveled and sealed for moisture resistance. Manufacturer's acrylic finish.

Retain "Basis-of-Design Product" Subparagraph below to identify a specific product or a comparable product.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Louisiana-Pacific Corporation; LP SmartSide [Panel] [Vertical Panel] Siding, [38] [76] [190] Series or comparable product.

LP's SmartSide Panel Siding is available in three thickness Series; retain first option in "Thickness" Subparagraph below for "38 Series," second option for "76 Series," and third option for "190 Series."

1. Thickness: [0.354 inch (8.9 mm)] [0.418 inch (10.6 mm)] [0.578 inch (14.6 mm)].
2. Width: [47.88 inches (1216 mm)] [48.56 inches (1234 mm)].
3. Length: [6 ft. (1.8 m)] [7 ft. (2.1 m)] [8 ft. (2.4 m)] [9 ft. (2.7 m)] [10 ft. (3.0 m)] [12 ft. (3.6 m)].
4. Edges: [Shiplap] [Square].

LP's SmartSide Panel Siding is available with or without grooves; retain "Grooves" Subparagraph below if applicable to Project.

1. Grooves: Channel grooves at [4 inches (102 mm)] [8 inches (203 mm)] o.c.
 2. Color: [As selected by Architect from manufacturer's full range] <Insert color>.
 3. Texture: [Smooth finish] [Cedar texture].
- Treated Engineered Wood Cedar Shake Siding: Exterior-grade, resin-saturated, paper overlay laminated to EPA-registered zinc-borate-treated engineered wood siding. Exposed edges

beveled and sealed for moisture resistance. Manufacturer's acrylic finish.

Retain "Basis-of-Design Product" Subparagraph below to identify a specific product or a comparable product.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Louisiana-Pacific Corporation; LP SmartSide Cedar Texture Shake Siding and LP SmartSide ExpertFinish Cedar Texture Shake Siding, 38 Series or comparable product.
2. Thickness: 0.354 inch (8.9 mm).
3. Width: 11.625 inches (295 mm).
4. Length: 48.63 inches (1.2 m).
5. Edges: Shiplap.
6. Color: [As selected by Architect from manufacturer's full range] <Insert color>.
7. Texture: Cedar texture with no knots; reversible [staggered] [straight] edge.
- Treated Engineered Wood Soffit: Exterior-grade, resin-saturated, paper overlay laminated to EPA-registered zinc-borate-treated engineered wood siding. Exposed edges beveled and sealed for moisture resistance. Manufacturer's acrylic finish.

Retain "Basis-of-Design Product" Paragraph below to identify a specific product or a comparable product.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Louisiana-Pacific Corporation; LP SmartSide Soffit, [38] [76] [190] Series or comparable product.

LP's "SmartSide Soffit" is available in three thickness Series; retain first option in "Thickness" Subparagraph below for "38 Series," second option for "76 Series," and third option for "190 Series."

1. Thickness: [0.354 inch (8.9 mm)] [0.418 inch (10.6 mm)] [0.578 inch (14.6 mm)].
2. Width: [11.94 inches (303 mm)] [15.94 inches (405 mm)] [23.94 inches (608 mm)] [47.88 inches (1216 mm)].
3. Length: [8 ft. (2.4 m)] [16 ft. (4.8 m)].
4. Edges: Square.
5. Color: [As selected by Architect from manufacturer's full range] <Insert color>.
6. Texture: [Smooth finish] [Cedar texture] and [unvented] [vented].
- Treated Engineered Wood Trim[and Fascia]: Provide manufacturer's standard trim,[fascia board,] angles, and similar components at corners, transitions, and rough openings meeting the performance requirements.

Retain "Basis-of-Design Product" Subparagraph below to identify a specific product or a comparable product.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Louisiana-Pacific Corporation; LP SmartSide [Trim] [Fascia] and LP SmartSide ExpertFinish [Trim] [Fascia], [190] [440] [540] Series or comparable product.

LP's SmartSide Trim and Fascia is available in three thickness Series; retain first option in "Thickness" Subparagraph below for "190 Series," second option for "440 Series," and third option for "540 Series."

1. Thickness: [0.578 inch (14.6 mm)] [0.675 inch (17.1 mm)] [0.970 inch (24.6 mm)] total thickness.
2. Width: [1.50 inches (38 mm)] [2.5 inches (64 mm)] [3.5 inches (89 mm)] [4.5 inches (114 mm)] [5.50 inches (140 mm)] [7.21 inches (183 mm)] [9.21 inches (234 mm)] [11.21 inches (285 mm)].
3. Length: 16 ft. (4.9 m).
4. Edges: Square.
5. Color: [As selected by Architect from manufacturer's full range] <Insert color>.

6. Texture: **[Smooth finish] [Cedar texture]**.
- Treated Engineered Wood Vertical Siding: Exterior-grade, resin-saturated, paper overlay laminated to EPA-registered zinc-borate-treated engineered wood siding. Exposed edges sealed for moisture resistance. Manufacturer's acrylic primer finish.

Retain "Basis-of-Design Product" Subparagraph below to identify a specific product or a comparable product.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Louisiana-Pacific Corporation; LP SmartSide Vertical Siding, 38 Series or comparable product.
2. Thickness: **0.354 inch (8.9 mm)**.
3. Width: **15.94 inches (405 mm)**.
4. Length: **16 ft. (4.9 m)**.
5. Edges: Square.
6. Color: **[As selected by Architect from manufacturer's full range] <Insert color>**.
7. Texture: **[Smooth finish] [Cedar texture]**.
- Treated Engineered Wood Outside Corners: Exterior-grade, resin-saturated, paper overlay laminated to EPA-registered zinc-borate-treated engineered wood siding. Exposed edges sealed for moisture resistance. Manufacturer's acrylic primer finish.

Retain "Basis-of-Design Product" Subparagraph below to identify a specific product or a comparable product.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Louisiana-Pacific Corporation; LP SmartSide Outside Corners and LP SmartSide ExpertFinish Outside Corners 540 Series or comparable product.
2. Thickness: **0.970 inch (24.6 mm)** total thickness.
3. Width: **[3.50 inches (89 mm)] [5.50 inches (140 mm)]**.
4. Length: **10 ft. (3.0 m)**.
5. Edges: Square.
6. Color: **[As selected by Architect from manufacturer's full range] <Insert color>**.
7. Texture: Cedar texture.
- Treated Engineered Wood J-Block: Exterior-grade, phenolic resin-saturated, paper overlay laminated to EPA-registered zinc-borate preservative-treated engineered wood siding. Exposed edges sealed for moisture resistance. Manufacturer's standard acrylic latex primer finish.

Retain "Basis-of-Design Product" Subparagraph below to identify a specific product or a comparable product.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Louisiana-Pacific Corporation; LP SmartSide J-Block and LP SmartSide ExpertFinish J-Block or comparable product.
2. Thickness: **0.970 inch (24.6 mm)** total thickness.
3. Width: **7.21 inches (183 mm)**.
4. Length: **7.21 inches (183 mm)**.
5. Edges: Square.
6. Color: **[As selected by Architect from manufacturer's full range] <Insert color>**.
7. Texture: Cedar texture.
- Treated Engineered Wood Mini Split: Exterior-grade, resin-saturated, paper overlay laminated to EPA-registered zinc-borate-treated engineered wood siding. Exposed edges sealed for moisture resistance. Manufacturer's acrylic primer finish.

Retain "Basis-of-Design Product" Subparagraph below to identify a specific product or a comparable product.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Louisiana-Pacific Corporation; LP SmartSide Mini Split and LP SmartSide ExpertFinish Mini Split or comparable product.
2. Thickness: 0.970 inch (24.6 mm) total thickness.
3. Width: 7.21 inches (183 mm).
4. Length: 6.75 inches (171 mm).
5. Edges: Square.
6. Color: [As selected by Architect from manufacturer's full range] <Insert color>.
7. Texture: Cedar texture.

1. ACCESSORIES

Stainless steel fasteners are available for coastal applications; however, structural withdrawal calculations are required from an accredited design professional.

- Fasteners: Hot-dipped galvanized nails, with 0.092-inch (2.3-mm) diameter shank, in length required to penetrate [wood structural panels and]structural framing a minimum of 1-1/2 inches (38 mm), as recommended in writing by composite siding system manufacturer suitable for and compatible with system materials. Larger diameter fasteners may be required depending on wind pressure, wind speed, and wind exposure category limitations for structures in product approvals PR-N124 or ESR-1301.
- Sealant: ASTM C920, minimum Class 25 sealant.
- Water-Resistive Barrier: ASTM D226 or other approved water-resistive barrier.
- Air Barrier: ASTM E1677.
 1. Seam Tape: Air barrier manufacturer's standard product.
- Non-Compressible Drainable Housewrap:
 1. Non-compressible type with a minimum 40-mil (1-mm) drainage gap not reduced by force of fastening during siding installation.
 2. Drainable housewrap type that removes bulk water by creating a minimum 40-mil (1-mm) drainage gap (air gap) at individual measurement points between housewrap and back of siding.
- Flashing:
 1. Provide flashing at window and door heads and where indicated on Drawings. Refer to Division 07 for sheet metal flashing.
 2. Material: Aluminum.
 - a. Finish: Siliconized polyester coating.
 - b. Finish: High-performance organic finish.
 - c. Finish: Factory-prime coating.

1. EXECUTION

1. EXAMINATION

- Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, engineered wood siding system supports, and other conditions affecting performance of the Work.
 1. Examine wall framing to verify that support members and anchorage have been installed within alignment tolerances required by engineered wood siding manufacturer.
 2. Examine wall sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within flatness tolerances required by engineered wood siding manufacturer.
 - a. Verify that air and moisture barrier has been installed over sheathing substrate to prevent air infiltration and water penetration.
- Proceed with installation only after unsatisfactory conditions have been corrected.

2. INSTALLATION

- General: Install engineered wood siding in accordance with manufacturer's written instructions in orientation, sizes, and locations indicated. Anchor engineered wood siding and other components of the Work securely in place.
 1. Shim or otherwise plumb substrates receiving engineered wood siding system.
 2. Flash engineered wood siding at perimeter of all openings.
 3. Locate and space fastenings in uniform vertical and horizontal alignment.
 4. Seal engineered wood substrates exposed to weather to prevent moisture intrusion and water buildup.
 - a. Seal around penetrations.
 - b. Seal each exposed cut of siding and trim. It is not recommended to field spray-applied coatings on cuts.
 - c. Seal each butt joint from weather by covering with joint moldings, sealant, or factory prefinished ends.
 5. Install flashing and trim as engineered wood siding work proceeds.
 6. Align bottoms of engineered wood siding.

Retain subparagraph below to suit Project.

1. Provide weathertight escutcheons for pipe- and conduit-penetrating engineered wood siding system.
- Metal Protection: Where dissimilar metal flashings contact each other or corrosive substrates, protect against galvanic action as recommended in writing by siding manufacturer.
 - Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.
 - Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level. Install work with laps, joints, and seams that are permanently watertight.
 1. Install exposed flashing and trim that is without buckling and tool marks, and that is true to line and levels indicated, with exposed edges folded back to form hems. Install sheet metal flashing and trim to fit substrates and to achieve waterproof performance.
 - Replace engineered wood siding components that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 074643



Fiberglass-Based Asphalt Shingles & Accessories

Guide Specifications

PROJECT ARCHITECT RESPONSIBILITY: This is a general specification guide, intended to be used by experienced construction professionals, in conjunction with good construction practice and professional judgment. This guide is to aid in the creation of a complete building specification that is to be fully reviewed and edited by the architect of record (specifier). Sections of this guide should be included, edited, or omitted based on the requirements of a specific project. It is the responsibility of both the specifier and the purchaser to determine if a product or system is suitable for its intended use within their projects respective zip code. Neither Owens Corning, nor any of its subsidiary or affiliated companies, assume any responsibility for the content of this specification guide relative to actual projects and specifically disclaim any and all liability for any errors or omissions in design, detail, structural capability, attachment details, shop drawings or other construction related details, whether based upon the information provided by Owens Corning or otherwise.

SECTION 07 31 13.13 - FIBERGLASS-BASED ASPHALT SHINGLES & ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Roof shingles and accessories including the following:
 - 1. Fiberglass-based asphalt shingles.
 - 2. Hip and ridge shingles.
 - 3. Starter shingles.
 - 4. Self-adhering ice and water barrier.
 - 5. Shingle underlayment.
 - 6. Attic ventilation.
 - 7. Fasteners.
 - 8. Metal flashing and trim.

1.2 RELATED SECTIONS

****NOTE TO SPECIFIER** Delete and/or add other sections as required.**

- A. Section 061000 - Rough Carpentry.
- B. Section 071300 – Sheet Waterproofing.
- C. Section 072200 - Roof and Deck Insulation; for insulation placed over roof decking.
- D. Section 076000 - Flashing and Sheet Metal; for snow guards, metal flashing and drip edges, including step-type flashing installed with shingles.
- E. Section 077100 – Roof Specialties: Manufactured Gutters and Downspouts.
- F. Section 077200 - Roof Accessories.
- G. Section 086000 – Roof Windows and Skylights.

****NOTE TO SPECIFIER** Delete references from the list below that are not required.**

1.3 REFERENCES

- A. American Society of Civil Engineers (ACSE):
 - 1. ASCE 7 – Minimum Design Loads for Buildings and Other Structures.
- B. Asphalt Roofing Manufacturers Association (ARMA).



Fiberglass-Based Asphalt Shingles & Accessories

Guide Specifications

- C. ASTM International (ASTM):
1. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
 2. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
 3. ASTM B370 - Standard Specification for Copper Sheet and Strip for Building Construction.
 4. ASTM D226 - Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing.
 5. ASTM D228 - Standard Test Method for Sampling, Testing, and Analysis of Asphalt Roll Roofing, Cap Sheets, and Shingles Used in Roofing and Waterproofing.
 6. ASTM D1079 - Standard Terminology Relating to Roofing and Waterproofing.
 7. ASTM D1970 - Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection.
 8. ASTM D3018 - Standard Specification for Class A Asphalt Shingles Surfaced with Mineral Granules.
 9. ASTM D3161 - Standard Test Method for Wind-Resistance of Asphalt Shingles (Fan-Induced Method).
 10. ASTM D3462 - Standard Specification for Asphalt Shingles Made from Glass felt and Surfaced with Mineral Granules
 11. ASTM D4586 - Standard Specification for Asphalt Roof Cement, Asbestos-Free.
 12. ASTM D4869 - Standard Specification for Asphalt-Saturated Organic Felt Underlayment Used in Steep Slope Roofing.
 13. ASTM D6381 - Standard Test Method for Measurement of Asphalt Shingle Mechanical Uplift Resistance.
 14. ASTM D6757 - Standard Specification for Underlayment Felt Containing Inorganic Fibers Used in Steep-Slope Roofing.
 15. ASTM D7158 - Standard Test Method for Wind Resistance of Sealed Asphalt Shingles (Uplift Force/Uplift Resistance Method).
 16. ASTM E108 - Standard Test Methods for Fire Tests of Roof Coverings.
 17. ASTM F1667 - Standard Specification for Driven Fasteners: Nails, Spikes, and Staples.
 18. ASTM D6163 - Standard Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements
 19. ASTM D6164 - Standard Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Polyester Reinforcements
 20. ASTM D8257 - Standard Specification for Mechanically Attached Polymeric Roof Underlayment Used in Steep Slope Roofing
- D. Cool Roof Rating Council (CRRRC): Product Rating Program.
- E. Canadian Standards Association (CSA): CAN/CSA A123.5 - Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules. Note: Applicable only to products sold for use in Canada.
- F. Canadian Standards Association (CSA): CAN/CSA A123.22 - Self-adhering polymer modified bituminous sheet materials used as steep slop roofing underlayment for ice dam protection. Note: Applicable only to products sold for use in Canada
- G. Canadian Standards Association (CSA): CAN/CSA A123.3 - Asphalt saturated organic roofing felt. Note: Applicable only to products sold for use in Canada
- H. Canadian Standards Association (CSA): CAN/CSA A220.1 - Installation of concrete roof tiles. Note: Applicable only to products sold for use in Canada
- I. California Building Standards Commission (CBSC):
1. California Building Code, California Code of Regulations Title 24.



Fiberglass-Based Asphalt Shingles & Accessories

Guide Specifications

- J. FM Approvals
 - 1. FM 4474 - American National Standard for Evaluating the Simulated Wind Uplift Resistance of Roof Assemblies Using Static Positive and/or Negative Differential Pressures.
 - 2. FM 4475 – Approval Standard for Class 1 Steep Slope Roof Covers
- K. Florida Building Commission (FBC):
 - 1. Florida Building Code.
 - 2. Florida Product Approvals.
- L. Environmental Protection Agency (EPA): ENERGY STAR Rating System.
- M. International Code Council (ICC):
 - 1. International Residential Code (IRC).
 - 2. International Building Code (IBC).
- N. International Code Council Evaluation Service (ICC-ES)
 - 1. ICC-ES Evaluation Reports.
 - 2. ICC-ES Acceptance Criteria.
- O. Intertek
 - 1. Intertek Code Compliance Research Report (CCRR)
- P. Miami-Dade County Department of Regulatory and Economic Resources (RER), Product Control Section:
 - 1. Miami-Dade County Notice of Acceptance (NOA).
- Q. National Roofing Contractors Association (NRCA).
- R. Sheet Metal and Air Conditioning Contractors National Association, Inc. (SMACNA) – Architectural Sheet Metal Manual.
- S. Texas Department of Insurance (TDI): Product Listing.
- T. Underwriters Laboratories (UL):
 - 1. UL 790 - Standard Test Methods for Fire Test of Roof Coverings.
 - 2. UL 2218 - Impact Resistance of Prepared Roof Covering Materials.
 - 3. UL 1897 – Uplift Tests for Roof Covering Systems
- U. PRI Evaluation Services
 - 1. PRI Evaluation Reports.
- V. US Green Building Council (USGBC): Leadership in Energy and Environmental Design (LEED).
- W. SCS Global Services – 20% Pre-Consumer Recycled Content Certification

1.4 REGULATORY REQUIREMENTS AND CERTIFICATIONS

- A. Provide a roofing system having an Underwriters Laboratories (UL) Class A or ASTM E108 Class A fire resistance classification.
- B. When applicable, provide a roofing system that will help to qualify points for LEED certification:
 - 1. Sustainable Site credit – Heat Island Reduction.
 - 2. Materials and Resource credit – Building Product Disclosure and Optimization - Environmental Product Declaration (manufacturer specific Environmental Product Declarations).



Fiberglass-Based Asphalt Shingles & Accessories

Guide Specifications

- 3. Materials and Resource credit – Building Product Disclosure and Optimization – Sourcing of Raw Materials.
- 4. Materials and Resources credit – Construction and Demolition Waste Management.
- C. Install all roofing products in accordance with all federal, state and local building codes.
- D. All work shall be performed in a manner consistent with current OSHA guidelines.

****NOTE TO SPECIFIER** Delete as required.**

1.5 PRODUCT ATTRIBUTES

- A. **When applicable, provide fiberglass-based asphalt shingle with SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**

1.6 SUBMITTALS

- A. Submit under provisions of Section 013300 - Submittal Procedures.
- B. Submit printed copies of Owens Corning product data sheets indicating product characteristics, product information, installation instructions (including required preparation and installation procedures) and product limitations and color samples.
- C. Certificate of Compliance: Provide Certificate of Compliance or Evaluation Report from independent laboratory or Evaluation Agency indicating that Owens Corning asphalt shingles made in normal production meet or exceed the requirements of the following:
 - 1. ASTM D3462.
 - 2. ASTM D3161/D7158 – Indicating a Class of Wind Resistance.
 - 3. ASTM E108/UL790 – Indicating Class A Fire Resistance.
- D. LEED submittal: When appropriate provide a LEED submittal and coordinate with provisions in Section 013563 – Sustainability Certification Project Requirements and Section 013566 – Sustainability Certification Project Procedures.
- E. Shop Drawings: Indicate specially configured metal flashing, jointing methods and locations, fastening methods and locations, and installation details as required by project conditions.
- F. Copy of Warranty: For warranty specified in Section 1.9.

****NOTE TO SPECIFIER** Delete selection samples if colors have already been selected.**

- G. Selection Samples: Two complete sets of samples, representing manufacturer's full range of available products and colors.
- H. Verification Samples: For each product and finish specified, two samples representing actual products and colors.

1.7 PRE-INSTALLATION MEETING

- A. For all projects, a pre-installation meeting is strongly recommended. Conduct a pre-installation meeting at the site prior to commencing work in this section. Require attendance of entities directly concerned with roof installation.

Topics to be discussed:

- 1. Safety procedures.
- 2. Installation procedures/method (including substrate preparation), sequencing of materials, and coordination with installation of other/adjacent work.



Fiberglass-Based Asphalt Shingles & Accessories

Guide Specifications

3. Roofing material availability, storage and handling.
 4. Additional roof covering and roof accessory materials.
 5. Through roof penetrations and other roof details.
 6. Product compliance – Verify that products comply with requirements specified by local Authority Having Jurisdiction (AHJ)
 7. All other items related to successful execution/completion of work.
- B. Submit printed copies of Owens Corning product data sheets indicating product characteristics, product information, installation instructions (including required preparation and installation procedures), product limitations and color samples.

1.8 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Provide all primary roofing products, including shingles, underlayment, ice and water barrier, and ventilation, by a single manufacturer.
- B. Installer Qualifications: Installer shall be licensed or otherwise authorized by all federal, state and local authorities to install all products specified in this section. Installer shall follow Owens Corning published installation instructions.

****NOTE TO SPECIFIER** Delete one of two options below. Select option based on desired warranty.**

1. Installer shall be an Owens Corning Roofing Platinum Preferred Contractor as defined and certified by Owens Corning.
2. Installer shall be an Owens Corning Roofing Preferred Contractor as defined and certified by manufacturer.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to site in manufacturer's unopened bundles with labels intact and legible.
- B. Store all products in manufacturer's unopened, labeled packaging until they are ready for installation.
- C. Store all products in accordance with Owens Corning recommendations.
- D. Do not install underlayment or shingles on wet surfaces.
- E. Store and dispose of solvent-based materials in accordance with all federal, state and local regulations.
- F. For rooftop loading, lay shingle bundles flat. Do not bend over the ridge.

1.10 PROJECT CONDITIONS

- A. Do not install systems under environmental conditions outside Owens Corning recommended limits. Proceed with work only when existing and forecasted weather conditions will permit work to be performed within Owens Corning recommended limits.

1.11 WARRANTY

- A. Standard Limited Warranty: Provide to the Owner Corning standard prorated warranty coverage for materials in the event of a material defect, including up to 10 years Tru Protection® coverage. Refer to actual warranty for complete details, limitations and requirements.
- B. Manufacturer's Extended Limited Warranty: Provide to the Owner Owens Corning standard extended warranty coverage labor and materials in the event of a material defect. Refer to actual warranty for complete details, limitations and requirements.



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****NOTE TO SPECIFIER** Delete one of two options below. Select option based on desired warranty.**

1. Owens Corning System Protection Roofing Limited Warranty including extended Tru Protection® (non-prorated) coverage on installed Owens Corning Roofing System products. The length of the Tru Protection® coverage is based upon the shingle product installed on the field of the roof. Coverage can only be provided by a designated Owens Corning Roofing Preferred or Platinum Preferred Contractor.
2. Owens Corning Preferred Protection Roofing System Limited Warranty includes Tru Protection® (non-prorated) coverage on installed Owens Corning Roofing System products. The length of the Tru Protection® coverage is based upon the shingle product installed on the field of the roof. This warranty will also cover workmanship defects by the installer. Coverage can only be provided by a designated Owens Corning Roofing Preferred or Platinum Preferred Contractor.
3. Owens Corning Platinum Protection Roofing System Limited Warranty includes Tru Protection® (non-prorated) coverage on installed Owens Corning Roofing System products. The length of the Tru Protection® coverage is based upon the shingle product installed on the field of the roof. This warranty will also cover workmanship defects by the installer. Coverage can only be provided by a designated Owens Corning Roofing Platinum Preferred Contractor.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Owens Corning Roofing and Asphalt, LLC. One Owens Corning Pkwy. Toledo, OH 43659. Toll Free: 1-800-ROOFING. Email: ocbuildingspec@owenscorning.com. Web: www.owenscorning.com.
- B. Requests for substitutions will be considered in accordance with provisions of Section 016000.

2.2 ASPHALT SHINGLES

****NOTE TO SPECIFIER** Delete roof shingle products from the list below that are not required.**

****NOTE TO SPECIFIER** Verify with the manufacturer regional product availability.**

- A. Duration® Premium (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 4 bundles of 16 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, and PRI ER 1378E01.
- B. Duration® Premium (Non Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 4 bundles of 16 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.



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8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, and PRI ER 1378E01.
- C. Duration® Premium COOL (Non-Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 4 bundles of 16 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), meets the ENERGY STAR® requirements for initial solar reflectance of 0.25 and 3-year aged solar reflectance of 0.15, 2010 California Building Energy Efficiency Standards, Title 24, Part 6 requirements, Listed by the Cool Roof Rating Council (CRRC), ICC-ES AC438, PRI ER 1378E01, and Florida Product Approval.
- D. TruDefinition® Duration® (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), CSA A123.5, ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval.
- E. TruDefinition® Duration® (Non-Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval.



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- F. TruDefinition® Duration® COOL (Non-Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), Listed by the Cool Roof Rating Council (CRRC), ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval.
- G. TruDefinition® Duration® COOL PLUS (Non-Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), Listed by the Cool Roof Rating Council (CRRC), ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval.
- H. TruDefinition® Duration® Designer Color Collection (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), CSA A123.5, Florida Product Approval, Miami-Dade County Product Approval, ICC-ES AC438, and PRI ER 1378E01.
- I. TruDefinition® Duration® Designer Color Collection (Non Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.



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8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL790 (Class A Fire Resistance), Florida Product Approval, Miami-Dade County Product Approval, ICC-ES AC438, and PRI ER 1378E01..
- J. TruDefinition® Duration MAX® (Non Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 4 bundles of 16 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, and PRI ER 1378E01.
- K. TruDefinition® Duration STORM® Impact Resistant (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface; and UL 2218 Class 4 impact resistance.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), UL 2218 (Class 4 Impact Resistance), CSA A123.5, ICC-ES AC438, and PRI ER 1378E01.
- L. TruDefinition® Duration FLEX® Impact Resistant (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface; SBS modified asphalt; and UL 2218 Class 4 impact resistance.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), UL 2218 (Class 4 Impact Resistance), and PRI ER 1378E01.
- M. TruDefinition® Oakridge® (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 1. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 2. Exposure: 5-5/8 in (143 mm).



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3. Shingles per Square: 64.
 4. Bundles per Square: 3.
 5. Coverage per Square: 98.4 sq ft (9.1 sq m).
 6. Color: As selected from manufacturer.
 7. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval
- N. Oakridge® (Non Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 2. Exposure: 5-5/8 in (143 mm).
 3. Shingles per Square: 64.
 4. Bundles per Square: 3 bundles of 20 or 22 shingles.
 5. Coverage per Square: 98.4 sq ft (9.1 sq m).
 6. Color: As selected from manufacturer's full range.
 7. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), Florida Product Approval, Miami-Dade County Product Approval, CSA A123.5, ICC-ES AC438, and PRI ER 1378E01. Shasta White Color meets ENERGY STAR requirements for initial solar reflectance of 0.25 and 3-year aged solar reflectance of 0.15.
- O. Oakridge® (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 2. Exposure: 5-5/8 in (143 mm).
 3. Shingles per Square: 64.
 4. Bundles per Square: 3 bundles of 20 or 22 shingles.
 5. Coverage per Square: 98.4 sq ft (9.1 sq m).
 6. Color: As selected from manufacturer's full range.
 7. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), CSA A123.5, ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval. Shasta White Color meets ENERGY STAR requirements for initial solar reflectance of 0.25 and 3-year aged solar reflectance of 0.15.
- P. Berkshire® (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Nominal Size: 18-3/4 in (476 mm) by 38 in (965 mm).
 2. Exposure: 8-3/8 in. (213 mm).
 3. Shingles per Square: 45.
 4. Bundles per Square: 5 bundles of 9 shingles.
 5. Coverage per Square: 99.5 sq ft (9.2 sq m).
 6. Color: As selected from manufacturer's full range.
 7. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval.
- Q. Woodmoor® (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Nominal Size: 14-1/4 in (362 mm) by 40 in (1016 mm).
 2. Exposure: 4 in (102 mm).



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3. Shingles per Square: 90.
 4. Bundles per Square: 6 bundles of 15 shingles.
 5. Coverage per Square: 100.0 sq ft (9.3 sq m).
 6. Color: As selected from manufacturer's full range.
 7. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), CSA A123.5, ICC-ES AC438, and PRI ER 1378E01.
- R. Woodcrest® (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Nominal Size: 14-1/4 in (362 mm) by 40 in (1016 mm).
 2. Exposure: 4 in (102 mm).
 3. Shingles per Square: 90.
 4. Bundles per Square: 6 bundles of 15 shingles.
 5. Coverage per Square: 100.0 sq ft (9.3 sq m).
 6. Color: As selected from manufacturer's full range.
 7. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), CSA A123.5, ICC-ES AC438, and PRI ER 1378E01.
- S. Supreme® (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Nominal Size: 12 in (305 mm) by 36 in (914 mm).
 2. Exposure: 5 in (127 mm).
 3. Shingles per Square: 80.
 4. Bundles per Square: 3 bundles of 26, 27, 27 shingles.
 5. Coverage per Square: 100.0 sq ft (9.3 sq m).
 6. Color: As selected from manufacturer's full range.
 7. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval.
- T. Supreme® (Non Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Nominal Size: 12 in (305 mm) by 36 in (914 mm).
 2. Exposure: 5 in (127 mm).
 3. Shingles per Square: 80.
 4. Bundles per Square: 3 bundles of 26, 27, 27 shingles.
 5. Coverage per Square: 100.0 sq ft (9.3 sq m).
 6. Color: As selected from manufacturer's full range.
 7. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, PRI ER 1378E01, and Florida Product Approval.
- U. Supreme® (Algae Resistant) (Metric) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 2. Exposure: 5-5/8 in (143 mm).
 3. Shingles per Square: 65.
 4. Bundles per Square: 3 bundles of 21, 22, 22 shingles.
 5. Coverage per Square: 100.0 sq ft (9.3 sq m).
 6. Color: As selected from manufacturer's full range.
 7. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), CSA A123.5, ICC-ES AC438, and PRI ER 1378E01.



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- V. Supreme® (Non Algae Resistant) (Metric) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 2. Exposure: 5-5/8 in (143 mm).
 3. Shingles per Square: 65.
 4. Bundles per Square: 3 bundles of 21, 22, 22 shingles.
 5. Coverage per Square: 100.0 sq ft (9.3 sq m).
 6. Color: As selected from manufacturer's full range.
 7. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, and PRI ER 1378E01.
- W. Mineral Surface Roll (Non Algae Resistant): As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Nominal Size: 36 in (914 mm) by 36 in (914 mm).
 2. Exposure: 34 in (864 mm).
 3. Rolls per Square: 1.
 4. Coverage per Square: 100.0 sq ft (9.3 sq m).
 5. Standards/Qualifications: ASTM E108/UL 790 (Class C Fire Resistance), and Florida Product Approval.

2.3 HIP AND RIDGE SHINGLES

Provide hip and ridge shingles color formulated to complement field of roof.

****NOTE TO SPECIFIER** Delete hip and ridge shingle products from the list below that are not required.**

****NOTE TO SPECIFIER** Verify with the manufacturer regional product availability.**

- A. DuraRidge® Hip and Ridge (Algae Resistant) Shingles with Sealant: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **High profile design features patented SureNail® Technology providing long-lasting durability and dimension**
 2. Nominal Size: 12 in (305 mm) by 10 5/8 in (270 mm) with 8 in (203 mm) exposure
 3. Standards/Qualifications: ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM E108/UL790 (Class A Fire Resistance), ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, Miami-Dade County Product Approval, and CSA A123.5.
- B. RIZERidge® Hip and Ridge (Algae Resistant) Shingles with Sealant: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Foldable design provides multi-layered dimension along hips and ridges.
 2. Nominal Size: 12 in (305 mm) by 36 in (914 mm) with 6 in (152 mm) exposure.
 3. Piece Size: 12 in (305 mm) by 12 in (305 mm).
 4. Standards/Qualifications: ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, PRI ER 1378E01, and Florida Product Approval.
- C. DecoRidge® Hip and Ridge (Non Algae Resistant) Shingles with Sealant
1. Durable, heavyweight laminate construction with SBS-modified asphalt provides maximum dimension and style to the hip and ridge.
 2. Nominal Size: 11-1/2 in (292 mm) by 8 in (203 mm) and 11-1/2 in (292 mm) by 10 in (254 mm) with 8 in (203 mm) exposure.
 3. Standards/Qualifications: ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM E108/UL 790 (Class A Fire Resistance), and CSA A123.5.



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- D. ProEdge® Hip and Ridge (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Perforated shingles with factory installed cutouts designed for fast and easy installation.
 2. Nominal Size: 12 in (305 mm) by 36 in (914 mm) with 6 in (152 mm) exposure.
 3. Piece Size: 12 in (305 mm) by 12 in (305 mm).
 4. Standards/Qualifications: ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM E108/UL 790 (Class A Fire Resistance), CSA A123.5, ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval.
- E. ProEdge® Hip and Ridge (Non Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Perforated shingles with factory installed cutouts designed for fast and easy installation.
 2. Nominal Size: 12 in (305 mm) by 36 in (914 mm) with 6 in (152 mm) exposure.
 3. Piece Size: 12 in (305 mm) by 12 in (305 mm).
 4. Standards/Qualifications: ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, PRI ER 1378E01, and Florida Product Approval.
- F. ProEdge® Hip and Ridge (Algae Resistant) (Metric) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Perforated shingles with factory installed cutouts designed for fast and easy installation.
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm) with 6-5/8 in (168 mm) exposure.
 3. Piece Size: 9-27/32 in (250 mm) by 13-1/4 in (337 mm).
 4. Standards/Qualifications: ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM E108/UL 790 (Class A Fire Resistance), CSA A123.5, ICC-ES AC438, and PRI ER 1378E01.
- G. ImpactRidge® Hip and Ridge Impact Resistant (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: SBS modified asphalt and UL 2218 Class 4 impact resistance.**
 2. Perforated design for easy installation offering Class 4 impact resistance.
 3. Nominal Size: 12 in (305 mm) by 36 in (914 mm) with 6 in (152 mm) exposure.
 4. Piece Size: 12 in (305 mm) by 12 in (305 mm).
 5. Standards/Qualifications: ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM E108/UL 790 (Class A Fire Resistance), UL 2218 (Class 4 Impact Resistance), and PRI ER 1378E01.
- H. Berkshire® Hip and Ridge (Algae Resistant) Shingles: (Algae Resistant) Shingles with Sealant: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **High profile design features patented SureNail® Technology providing long-lasting durability and dimension**
 2. Nominal Size: 12 in (305 mm) by 10 5/8 in (270 mm) with 8 in (203 mm) exposure
 3. Standards/Qualifications: ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM E108/UL790 (Class A Fire Resistance), ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, Miami-Dade County Product Approval, and CSA A123.5.

2.4 STARTER SHINGLES

****NOTE TO SPECIFIER** Delete starter shingle products from the list below that are not required.**

****NOTE TO SPECIFIER** Verify with the manufacturer regional product availability.**

- A. Starter Shingle Roll: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. Self-adhering, starter course. Each strip measures 7-1/5 in (191 mm) tall by 33-2/5 ft (10.1 m) wide.
 2. Standards/Qualifications: ASTM D1970 and Florida Product Approval.



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- B. Starter Strip PLUS: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 - 1. Nail applied starter course. Individual starter shingle is 7-3/4 in (197 mm) by 39-3/8 in (1000 mm).
 - 2. Standards/Qualifications: ASTM D3462, ASTM D3161 (Class F Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval.
- C. WoodStart® Starter Shingle: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 - 1. Nail applied starter course. Nominal Size is 13-3/8 in (340 mm) by 40 in (1016 mm).
 - 2. Standards/Qualifications: ASTM D3462, ASTM D3161 (Class F Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, and PRI ER 1378E01.

2.5 SELF-ADHERING UNDERLAYMENTS

****NOTE TO SPECIFIER** Delete self-adhering ice and water barrier products from the list below that are not required.**

****NOTE TO SPECIFIER** Verify with the manufacturer regional product availability.**

- A. WeatherLock® Mat: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 - 1. Mat-faced skid resistant surface, self-adhering, self-sealing, bituminous ice and water barrier.
 - 2. Roll Width: 36 in (914 mm).
 - 3. Selvage: 3 in (76 mm).
 - 4. Standards/Qualifications: ASTM D1970, ASTM E108/UL 790 (Class A Fire Resistance¹), PRI ER 1378E02, Florida Product Approval, and Miami-Dade County Product Approval.
- B. WeatherLock® G: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 - 1. Granule skid resistant surface, self-adhering, self-sealing, bituminous ice and water barrier.
 - 2. Roll Width: 36 in (914 mm).
 - 3. Selvage: 3 in (76 mm).
 - 4. Standards/Qualifications: ASTM D1970, ASTM E108/UL 790 (Class A Fire Resistance¹), PRI ER 1378E02, Florida Product Approval, and Miami-Dade County Product Approval.
- C. WeatherLock® Cold Climate: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 - 1. Granule skid resistant surface, self-adhering, self-sealing, bituminous ice and water barrier. Designed for low temperature adhesion.
 - 2. Roll Width: 36 in (914 mm).
 - 3. Selvage: 3 in (76 mm).
 - 4. Standards/Qualifications: ASTM D1970, ASTM E108/UL 790 (Class A Fire Resistance¹),
- D. WeatherLock® Flex: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 - 1. Cross laminated poly surface with skid resistant traction surface, self-adhering, self-sealing, bituminous ice and water barrier.
 - 2. Roll Width: 36 in (914 mm).
 - 3. Selvage: 3 in (76 mm).
 - 4. Standards/Qualifications: ASTM D1970, ASTM E108/UL 790 (Class A Fire Resistance¹), PRI ER 1378E02.
- E. WeatherLock® Specialty Tile and Metal: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 - 1. Polyester surface with skid resistant traction surface, self-adhering, self-sealing, bituminous ice and water barrier.
 - 2. Thermally stable in high temperatures up to 260 degrees Fahrenheit (126 degrees Celsius).
 - 3. Designed for use with mechanically fastened tile systems.
 - 4. Roll Width: 36 in (914 mm).
 - 5. Selvage: 3 in (76 mm).



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6. Standards/Qualification: ASTM D1970, ASTM E108/UL 790 (Class A/Class C Fire Resistance²), UL 1897, PRI ER 1378E02, Florida Product Approval, and Miami-Dade County Product Approval.
- F. RhinoRoof® GRN: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 1. Granule skid resistant surface, self-adhering, self-sealing, bituminous ice and water barrier.
 2. Roll Width: 36 in (914 mm).
 3. Selvage: 3 in (76 mm).
 4. Standards/Qualifications: ASTM D1970, ASTM E108/UL 790 (Class A Fire Resistance¹), PRI ER 1378E02, and Florida Product Approval.
- G. RhinoRoof® MTL: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 1. Cavitated film surface, self-adhering, self-sealing, bituminous ice and water barrier.
 2. Roll Width: 36 in (914 mm).
 3. Selvage: 3 in (76 mm).
 4. Standards/Qualifications: ASTM D1970, ASTM E108/UL 790 (Class A Fire Resistance¹), PRI ER 1378E02, and Florida Product Approval.
- H. Titanium® PSU30: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 1. Weather-shedding synthetic polypropylene facer, self-adhering, self-sealing, bituminous ice and water barrier.
 2. Roll Width: 36 in (914 mm).
 3. Selvage: 1 in (76 mm).
 4. Standards/Qualifications: ASTM D1970, ASTM E108/UL 790 (Class A Fire Resistance¹), and Florida Product Approval.

¹ Class A fire resistance limited to use under asphalt shingles and quarry slate.

² Class A fire resistance limited to use under asphalt shingles, clay and concrete tile, and quarry slate. Class C fire resistance under metal panels and shingles.

2.6 MECHANICALLY FASTENED UNDERLAYMENTS

****NOTE TO SPECIFIER** Delete shingle underlayment products from the list below that are not required.**

****NOTE TO SPECIFIER** Verify with the manufacturer regional product availability.**

- A. Fiberglas™ Reinforced Felt Underlayment.
 1. Wrinkle resistant, water resistant, breather type cellulose/glass fiber composite roofing underlayment.
 2. Roll Width: 36 in (91.4 cm).
 3. Roll Length: 141.5 ft (43.1 m).
 4. Coverage Per Roll: 4 roof squares.
 5. Standards/Qualifications: ASTM D226 (Type II), ASTM D4869 (Type IV), ASTM D6757, ASTM E108/UL 790 (Class A Fire Resistance¹), and Florida Product Approval.
- B. ProArmor® Synthetic Roof Underlayment.
 1. Weather-shedding synthetic polyolefin barrier.
 2. Roll Width: 42 in (106.7 cm).
 3. Roll Length: 286 ft (87.2 m).
 4. Coverage Per Roll: 9.29 roof squares.
 5. Standards/Qualification: ASTM D8257, ASTM D226, ASTM D4869, , ASTM E108/UL 790 (Class A Fire Resistance¹), ICC-ES AC188, CCRR-1068, Florida Product Approval, and Miami-Dade County Product Approval.
- C. Deck Defense® High Performance Roof Underlayment.
 1. Weather-shedding synthetic polyolefin barrier.
 2. Roll Width: 48 in (122 cm).



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3. Roll Length: 125 ft (38.1 m) and 250 ft (76.2 m).
 4. Coverage Per Roll: 5 and 10 roof squares.
 5. Standards/Qualification: ASTM D8257, ASTM D226, , ASTM E108/UL 790 (Class A Fire Resistance¹), Florida Product Approval, and Miami-Dade County Product Approval.
- D. RhinoRoof® U10 Roof Underlayment.
1. Weather-shedding synthetic polypropylene barrier.
 2. Roll Width: 42 in (110 cm).
 3. Roll Length: 286 ft (87m)
 4. Coverage Per Roll: 10 roof squares.
 5. Standards/Qualification: ASTM D8257, ASTM D226, , ASTM E108/UL 790 (Class A Fire Resistance¹), ICC-ES AC188, CCRR-1015, and Miami-Dade County Product Approval.
- E. RhinoRoof® U20 Roof Underlayment.
1. Weather-shedding synthetic polypropylene barrier.
 2. Roll Width: 42 in (110 cm).
 3. Roll Length: 286 ft (87m)
 4. Coverage Per Roll: 10 roof squares.
 5. Standards/Qualification: ASTM D8257, ASTM D226, , ASTM E108/UL 790 (Class A Fire Resistance¹), ICC-ES AC188, CCRR-1015, Florida Product Approval, and Miami-Dade County Product Approval.
- F. Titanium® UDL25 Roof Underlayment.
1. Weather-shedding synthetic polypropylene barrier.
 2. Roll Width: 48 in (122 cm).
 3. Roll Length: 250 ft (76.2m)
 4. Coverage Per Roll: 10 roof squares.
 5. Standards/Qualification: ASTM D8257, ASTM D226, , ASTM E108/UL 790 (Class A Fire Resistance¹), ICC-ES AC188, CCRR-1024, Florida Product Approval, and Miami-Dade County Product Approval.
- G. Titanium® UDL30 Roof Underlayment.
1. Weather-shedding synthetic polypropylene barrier.
 2. Roll Width: 48 in (122 cm).
 3. Roll Length: 250 ft (76.2m)
 4. Coverage Per Roll: 10 roof squares.
 5. Standards/Qualification: ASTM D8257, ASTM D226, , ASTM E108/UL 790 (Class A Fire Resistance¹), ICC-ES AC188, CCRR-1024, Florida Product Approval, and Miami-Dade County Product Approval.
- H. Titanium® UDL50 Roof Underlayment.
1. Weather-shedding synthetic polypropylene barrier.
 2. Roll Width: 48 in (122 cm).
 3. Roll Length: 250 ft (76.2m)
 4. Coverage Per Roll: 10 roof squares.
 5. Standards/Qualification: ASTM D8257, ASTM D226, , ASTM E108/UL 790 (Class A Fire Resistance¹), ICC-ES AC188, CCRR-1024, Florida Product Approval, and Miami-Dade County Product Approval.
- I. Titanium® X30 Roof Underlayment.
1. Weather-shedding synthetic polypropylene barrier.
 2. Roll Width: 48 in (122 cm).
 3. Roll Length: 250 ft (76.2m)
 4. Coverage Per Roll: 10 roof squares.



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5. Standards/Qualification: ASTM D8257, ASTM D226, , ASTM E108/UL 790 (Class A Fire Resistance¹), ICC-ES AC188, CCRR-1024, Florida Product Approval, and Miami-Dade County Product Approval.

¹ Class A fire resistance limited to use under asphalt shingles.

2.7 LOW SLOPE MODIFIED BITUMEN ROOFING SYSTEMS

****NOTE TO SPECIFIER** Delete products from the list below that are not required.**

****NOTE TO SPECIFIER** Verify with the manufacturer regional product availability.**

- A. DeckSeal Roofing System.
 1. A system comprised of component SBS modified bitumen membranes which, used in combination and according to instructions, creates a waterproof low slope roofing system.
 2. A Dual Compound Formulation to meet performance needs of different layers: top coat compound provides excellent granule adhesion (cap sheet), back coat compound provides aggressive adhesion to the substrate.
 3. Granule free adhesive selvage on both the sides and end laps (cap sheet).
 4. The DeckSeal™ System is designed for use on ¼:12 to 2:12 roof slopes.
 5. The DeckSeal™ components include:
 - a) DeckSeal™ SBS SA Cap Sheet - self-adhered granulated cap sheet
 - b) DeckSeal™ SBS SA Base/Ply Sheet - A self-adhered base/ply sheet
 - c) DeckSeal™ MA Nailbase - A nailable base sheet - where a nailable base sheet or self-adhered base/ply is used as a base layer for the granulated cap sheet for a minimum recommended 2 ply system, and where a self-adhered base/ply can be used as a 2nd layer in a 3-ply system.
 6. Attractive colors that compliment popular shingle offerings.
 7. Roll Dimensions:
 - a) 32 ft. 10 in. by 39-3/8 in. – Cap sheet
 - b) 65 ft. 8 in. by 39-3/8 in. – Nailable base or self-adhered base
 8. Standards/Qualifications: UL 790/ASTM E108 fire resistance¹; FM 4474 wind uplift resistance²; ASTM D6163 (base/ply sheet), ASTM D6164 (cap sheet); Florida Product Approval for use in HVHZ and Non-HVHZ areas; and Miami-Dade Product Approval.

¹ Class A, B, or C fire resistance based on system used and slope of roof. Consult the UL Online Classification Directory for fire resistance classifications of specific systems.

² Check local building codes for wind uplift requirements and DeckSeal™ literature for wind uplift resistance information.

2.8 ROOF VENTILATION

****NOTE TO SPECIFIER** Delete attic ventilation products from the list below that are not required.**

****NOTE TO SPECIFIER** Verify with the manufacturer regional product availability.**

- A. VentSure® RidgeCat® Rolled Ridge Vent.
 1. Shingle-over, low profile ridge vent with nylon entangled-net structure allows the passage of hot and/or moisture-laden air from attics, while prohibiting wind-driven rain.
 2. Provides 15 sq in (9677 sq mm) NFVA per lineal foot.
 3. Available in 20 ft (6.1 m) rolls in three different widths (regional availability): 11 in (279 mm), 7 in (178 mm), and 9 in (229 mm) widths.
 4. Suitable on roofs with a pitch from 2:12 to 18:12.



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5. Standards/Qualifications: Passes Wind-Driven Rain with 8.8 in (224 mm) of rain/hr at 110 mph (177 km/h), ICC-ES AC132, PRI ER 1378E03, Florida Product Approval, and ASTM E108/UL 790 Class C Fire Resistance.
- B. VentSure® Rigid Roll Ridge Vent with Weather PROtector® Moisture Barrier.
1. Shingle-over, low profile ridge vents with Weather PROtector® Moisture Barrier allows the passage of hot and/or moisture-laden air from attics, while prohibiting snow infiltration.
 2. Provides 12.5 sq in (8200 sq mm) NFVA per lineal foot.
 3. Available in 20 ft (6.1 m) rolls in three different widths (regional availability): 7 in (178 mm), 9 in (229 mm), and 11-1/4 in (286 mm).
 4. Suitable on roofs with a pitch from 2:12 to 20:12.
 5. Standards/Qualifications: ICC-ESR 2664, Passes Wind-Driven Rain with 8.8 in (224 mm) of rain/hr at 110 mph (177 km/h), and Snow Infiltration at 35 mph (56 km/h) and 70 mph (112 km/h) Tests, PRI ER 1378E03, Florida Product Approval, Miami-Dade County Product Approval, and ASTM E108/UL 790 Class A/Class C Fire Resistance (Class A Fire Resistance when modified per installation instructions).
- C. VentSure® 4 ft (1.2 m) Strip Heat and Moisture Ridge Vent, 12 in width
1. Shingle-over, polypropylene ridge ventilator designed to work with eave/soffit intake ventilation to maximize the flow of cool, fresh air through the roof and attic structure.
 2. Patented corrugated ridge design and interlocking feature for additional flexibility and strength.
 3. Provides 20 sq in (12900 sq mm) NFVA per lineal foot.
 4. Optional Weather PROtector® filter provides added protection against wind-driven rain and snow infiltration.
 5. 15 in (381 mm) wide and 1 in (25 mm) high, with a shingle-over width of 12 in (305 mm).
 6. Suitable on roofs with a pitch from 3:12 to 6:12.
 7. Standards/Qualifications: Passes Wind-Driven Rain with 8.8 in (224 mm) of rain/hr at 110 mph (177 km/h), PRI ER 1378E03, Florida Product Approval, Miami-Dade County Product Approval, TDI listed for usage in Texas Coastal Regions (RV-47) , and ASTM E108/UL 790 Class C Fire Resistance.
- D. VentSure® 4 ft (1.2 m) Strip Heat and Moisture Ridge Vent, 8 in (203 mm) and 10 in (254 mm) width.
1. Shingle-over, polypropylene ridge ventilator designed to work with eave/soffit intake ventilation to maximize the flow of cool, fresh air through the roof and attic structure.
 2. Patented corrugated ridge design and interlocking feature for additional flexibility and strength.
 3. Provides 18 sq in (11600 sq mm) NFVA per lineal foot.
 4. Optional Weather PROtector® filter provides added protection against wind-driven rain and snow infiltration.
 5. Available in 8 in (203 mm) and 10 in (254 mm) shingle-over widths that are 1 in (25 mm) high and overall product width is 11.43 in (290 mm) and 13.28 in (337 mm), respectively.
 6. Suitable on roofs with a pitch from 3:12 to 16:12.
 7. Standards/Qualifications: Passes Wind-Driven Rain with 8.8 in (224 mm) of rain/hr at 110 mph (177 km/h), PRI ER 1378E03, Florida Product Approval, Miami-Dade County Product Approval, TDI listed for usage in Texas Coastal Regions (RV-47) , and ASTM E108/UL 790 Class C Fire Resistance.
- E. VentSure® SkyRunner LTE™ Rolled Ridge Vent
1. Shingle-over, polypropylene ridge ventilator designed to work with eave/soffit intake ventilation to maximize the flow of cool, fresh air through the roof and attic structure.
 2. Provides 12 sq in (7742 sq mm) NFVA per lineal foot.
 3. Available in 30 ft (9.1 m) rolls in 14-1/2 in (368 mm) width.
 4. Suitable on roofs with a pitch from 2:12 to 16:12.
 5. Standards/Qualifications: Passes Wind-Driven Rain with 8.8 in (224 mm) of rain/hr at 110 mph (177 km/h), ICC-ES AC132, PRI ER 1378E03, Florida Product Approval, , and ASTM E108/UL 790 Class C Fire Resistance.



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- F. VentSure® Metal Slant Back Roof Vent
1. Rooftop mounted, slant-back designed, metal exhaust ventilator designed to evacuate hot and/or moisture-laden air from attics.
 2. Each vent provides 51 sq in (32900 sq mm) NFVA.
 3. Aluminum and galvanized steel available in Weathered Grey, Brown, Black, or Mill Finish.
 4. 16 in (406 mm) by 20 in (508 mm) base, 8 in (203 mm) diameter opening.
 5. Suitable on roofs with a pitch up to 12:12.
 6. Standards/Qualifications: TDI listed for usage in Texas Coastal Region (RV-20) , and ASTM E108/UL 790 Class C Fire Resistance.
- G. Plastic Slant Back Roof Vent
1. Rooftop mounted, slant-back design with full screen, high-impact resin exhaust ventilator designed to evacuate hot and/or moisture-laden air from attics.
 2. Each vent provides 55 sq in (35500 sq mm) NFVA.
 3. Available in Weathered Grey, Brown, Black, Cedar, or White finish.
 4. 17 in (432 mm) by 18 in (457 mm) base, 9 in (229 mm) by 9 in (229 mm) opening.
 5. Standards/Qualifications: TDI listed for usage in Texas Coastal Regions (RV-20) , and ASTM E108/UL 790 Class C Fire Resistance.
- H. VentSure® Metal Square Top Roof Vent
1. Rooftop mounted, square-top designed, metal exhaust ventilator designed to evacuate hot and/or moisture-laden air from attics.
 2. Each vent provides 51 sq in (32900 sq m) NFVA.
 3. Aluminum and galvanized steel available in Weathered Grey, Brown, Black, or Mill finish.
 4. 16-1/2 in (419 mm) by 17-1/2 in (445 mm) base, 8 in (203 mm) by 8 in (203 mm) opening.
 5. Suitable on roofs with a pitch up to 12:12.
- I. VentSure® Low Profile Slant Back Roof Vent with Exterior Louver
1. Rooftop mounted, low-profile, slant back metal exhaust ventilator designed to evacuate hot and/or moisture-laden air from attics.
 2. Each vent provides 72 sq in (46500 sq mm) NFVA.
 3. Galvanized steel available in Black, White Brown, Light Grey, Dark Gray, or Mill finish.
 4. 32 in (813 mm) by 23 in (584 mm) base, 11 in (279 mm) by 11 in (279 mm) opening. Available with extended flange 36 in (914 mm) by 28 in (711 mm).
 5. Suitable on roofs with a 3:12 pitch or greater.
 6. Standards/Qualifications: Miami-Dade County Product Approval, and ASTM E108/UL 790 Class C Fire Resistance.
- J. VentSure® Metal Dome with Screen
1. Rooftop mounted, dome, metal exhaust ventilator designed to evacuate hot and/or moisture-laden air from attics, while prohibiting snow infiltration.
 2. Each vent provides 144 sq in (92900 sq mm) NFVA.
 3. Galvanized steel available in Weathered Grey, Brown, Black, or Mill finish.
 4. 25 in (635 mm) by 25 in (635 mm) base, 15 in (381 mm) diameter opening.
 5. Suitable on roofs with a pitch up to 8:12.
- K. VentSure® Internally Braced Premium Turbine Vent
1. Rooftop mounted, turbine designed, metal exhaust ventilator designed to evacuate hot and/or moisture-laden air from attics with sealed and lubricated stainless steel ball bearings.
 2. Aluminum and galvanized steel available in Weathered Grey, Brown, Black, or Mill finish.
 3. Available with 12 in (305 mm) diameter opening and 16 in (406 mm) base or 14 in (356 mm) diameter opening with 18 in (457 mm) base.
- L. VentSure® Internally Braced Standard Turbine Vent



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1. Rooftop mounted, turbine designed, metal exhaust ventilator designed to evacuate hot and/or moisture-laden air from attics.
 2. Aluminum and galvanized steel available with a 12 in (305 mm) or 14 in (356 mm) opening.
 3. 12 in (305 mm) opening with 16 in (406 mm) base available in Brown, Black, or Mill finish.
 4. 14 in (356 mm) opening with 16 in (406 mm) base available in Mill finish.
- M. VentSure® Externally Braced Premium Turbine Vent
1. Rooftop mounted, turbine designed, metal exhaust ventilator designed to evacuate hot and/or moisture-laden air from attics with sealed and lubricated stainless steel ball bearings.
 2. Aluminum and galvanized steel available in Weathered Grey, Brown, Black, or Mill finish.
 3. Available with 12 in (305 mm) opening and 16 in (406 mm) base.
- N. VentSure® 1400 CFM Powered Roof Vent
1. Rooftop mounted, 1400 CFM (39.6 cu m/min), metal exhaust ventilator designed to evacuate hot and/or moisture-laden air from attics.
 2. Each vent provides ventilation for 2000 sq ft (186 sq m) attic
 3. Includes adjustable thermostat and humidistat and 4.5 Amp motor.
 4. Aluminum and galvanized steel available in Weathered Grey, Brown, Black, or Mill finish.
 5. 25 in (635 mm) by 25 in (635 mm) base with 15 in (381 mm) opening.
 6. Suitable on roofs with a pitch up to 8:12.
- O. VentSure® 1080 CFM Powered Roof Vent
1. Rooftop mounted, 1080 CFM (30.6 cu m/min), metal exhaust ventilator designed to evacuate hot air from attics.
 2. Each vent provides ventilation for 1600 sq ft (149 sq m) attic.
 3. Includes adjustable thermostat and humidistat and 2.6 Amp motor.
 4. Aluminum and galvanized steel available in Weathered Grey, Brown, Black or Mill finish.
 5. 25 in (635 mm) by 25 in (635 mm) base with 15 in (381 mm) opening.
 6. Suitable on roofs with a pitch up to 8:12.
- P. VentSure® Aluminum Undereave Intake Vent
1. Rectangular aluminum intake vents designed to introduce fresh, dry air into the attic. Pre-drilled holes for easy installation and fully screened for first line of defense against insects.
 2. Available in Mill and White and three different dimensions designed to work collectively with exhaust vents to provide ventilation to roof structures.
 3. 4 in (102 mm) by 16 in (406 mm) opening provides 16.34 sq in (10500 sq mm) NFVA, 6 in (152 mm) by 16 in (406 mm) opening provides 27.23 sq in (17600 sq mm) NFVA and 8 in (203 mm) by 16 in (406 mm) opening provides 38.12 sq in (24600 sq mm) NFVA.
- Q. VentSure® 8 ft (2.4 m) Continuous Soffit Vent
1. 8 ft (2.4 m) continuous aluminum soffit vent offering 37.47 sq in (24200 sq mm) NVFA.
 2. Available in 2 in (51 mm) widths, designed to work collectively with exhaust vents to provide ventilation to roof structures.
- R. VentSure® Round Mini Soffit Vent
1. Round miniature aluminum soffit vents designed to introduce fresh, dry air into the attic.
 2. Available in Mill finish and three sizes designed to work collectively with exhaust vents to provide ventilation to roof structures.
 3. 2 in (51 mm) round opening provides 0.64 sq in (4100 sq mm) NFVA, 3 in (76 mm) round opening provides 1.36 sq in (8800 sq mm) NFVA, and 4 in (102 mm) round opening 2.43 sq in (15700 sq mm) NFVA.
- S. VentSure® InFlow® Vent



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1. Shingle-over, polypropylene intake vent solution for soffit-less and open-rafter homes, and homes with inadequate intake. Designed to work with exhaust ventilation to help achieve a balanced air ventilation system.
2. Patent-pending bottom intake design helps protect against wind-driven rain.
3. 4 ft (2.4 m) strip provides 10 sq in (6500 sq mm) NFVA per lineal foot, or 40 sq in (25800 sq mm) NFVA per vent
4. Weather PROtector® Moisture Barrier provides added protection against wind-driven rain and snow infiltration.
5. Roof Mount Unit dimensions: 48 in (1219 mm) length, 15 in (381 mm) width and 1 in (25 mm) height.
6. Suitable for use on roofs with a pitch from 4:12 to 16:12.
7. Standards/Qualifications: Passes Wind-Driven Rain with 8.8 in (224 mm) of rain/hr at 110 mph (177 km/h); ICC-ES AC132; TDI listed for usage in Texas Coastal Regions (RV-82) and Florida Product Approval.

2.9 FASTENERS

- A. Fasteners: Galvanized steel, stainless steel, or aluminum nails complying with ASTM F1667, minimum 12-gauge, 0.0808 in (2.05 mm) shank with 3/8 in (9.5 mm) diameter head. Check local building code requirements.

2.10 METAL FLASHING

- A. Flashing: Provide flashing as specified by Section 07600 - Metal Flashing and Sheet Metal.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Prior to starting work, examine all roof decks on which work will be applied for defects in materials and workmanship.
- B. Do not begin installation until the roof deck has been properly prepared.
- C. If another installer is responsible for roof deck preparation, notify the architect, designer-of-record on the project, or building owner of unsatisfactory preparation prior to proceeding with installation. Commencement of installation constitutes acceptance of conditions.
- D. Underlayment and shingles installed directly over roof insulation or similar type decks is not approved.
 1. Roof deck must be dry, minimum 3/4 in (19 mm) thick, minimum 6 in (152 mm) wide boards with maximum 1/4 in (6.4 mm) spaces, or APA rated sheathing (exposure 1): minimum 3/8 in (9.5 mm) plywood, minimum 7/16 in (11.1 mm) oriented strand board. Consult your manufacturer for other approved constructions.
 2. Ventilation under the roof deck must meet local code requirements.

3.2 PREPARATION

- A. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- B. Remove all existing roofing down to the roof deck.



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- C. Verify that the deck is dry, structurally sound, clean and smooth. It shall be free of any depressions, waves, and projections. Cover ALL holes 1 in (25 mm) or less in diameter, cracks over 1/2 in (13 mm) in width, loose knots and excessively resinous areas with minimum 28 gauge; 0.0187 in (0.475 mm) galvanized steel, 0.0156 in (0.396 mm) stainless steel, or 0.0126 in (0.320 mm) aluminum sheet metal. Decking or deck boards with holes greater than 1 in (25 mm) in diameter shall be replaced.
- D. Replace damaged deck with new materials.
- E. Verify installed roof deck is acceptable to receive shingles. Acceptable roof decks include the following:
 - 1. Wood boards: 6 in (152 mm) minimum width, 3/4 in (19 mm) minimum thickness.
 - 2. Plywood sheathing: 3/8 in (9.5 mm) minimum thickness Exposure 1 grade plywood sheathing as recommended by APA and in compliance with local building code requirements.
 - 3. OSB panels: 7/16 in (11.1 mm) minimum thickness non-veneer structural panels as recommended by APA and in compliance with local building code requirements.
 - 4. Spacing between boards or panels shall not exceed 1/4 in (6.4 mm) between roof boards or 1/8 in (3.2 mm) between plywood or OSB sheathing panels.

3.3 UNDERLAYMENT INSTALLATION

- A. Install Owens Corning™ underlayments using Owens Corning, installation instructions and in accordance with local building code requirements. When local codes and installation instructions are in conflict, the local building code requirements shall take precedence.
 - 1. In areas where ice damming is likely to occur, Install self-adhering ice and water barrier from the eaves edge of roof up the slope not less than 24 in (610 mm), measured horizontally,
 - 2. beyond the interior edge of the exterior wall. Lap ends 6 in (152 mm) on roof decks sloped 5:12 and greater. On roofs with slopes from 2:12 up to 4:12, see application instructions printed on each package.
- B. Drip Edge
 - 1. Drip edge shall be installed on all roof edges.
 - 2. Install drip edge on eaves first with underlayment installed over the drip edge, or per local code requirements.
 - 3. Install drip edge on rakes after underlayment is installed, with the drip edge fastened over the underlayment.
 - 4. Joints in drip edge shall be lapped minimum 2 in (51 mm) with the upslope piece lapped over the down slope piece, or per local building code requirements
 - 5. Install fasteners 8 in to 10 in (203 mm to 254 mm) on center, approximately 1-3/4 in (44 mm) to 3 in (76 mm) from the outside edge of the drip edge, or per local building code requirements.
- C. Valleys
 - 1. Install self-adhering ice and water barrier at least 36 in (914 mm) wide and centered on the valley. Lap ends 6 in (152 mm) and seal.
 - 2. Where valleys are indicated to be "open valleys", install metal flashing over self-adhering ice and water barrier before roof deck underlayment is installed; DO NOT nail through the flashing. Secure the flashing by nailing at 18 in (457 mm) on center just beyond edge of flashing so that nail heads hold down the edge, or use valley metal with a formed edge and secure with clips.
- D. Roof Deck
 - 1. On roofs with slope greater than 4:12, lap horizontal edges at least 2 inches (51 mm) and at least 2 inches (51 mm) over self-adhering ice and water barrier. Lap ends at least 4 inches (102 mm). End laps in succeeding course should be located at least 6 ft (1.8 m) from end laps in the preceding course.



Fiberglass-Based Asphalt Shingles & Accessories

Guide Specifications

2. On roofs with pitch between 2:12 to less than 4:12, see application instructions printed on each shingle wrapper, or follow local code requirements.
 3. Lap underlayment over valley protection at least 6 inches (152 mm).
- E. Penetrations
1. Vent pipes: Install a 24 in (610 mm) square piece of self-adhering ice and water barrier lapping over roof deck underlayment; seal tightly to pipe.
 2. Vertical walls: Install self-adhering ice and water barrier extending at least 3 in to 4 in (76 mm to 102 mm) up the wall and 12 in (305 mm) onto the roof surface. Lap the membrane over the roof deck underlayment.
 3. Chimneys: Install self-adhering ice and water barrier around entire chimney extending at least 6 in (152 mm) up the wall and 12 in (305 mm) on to the roof surface. Lap the membrane over the roof deck underlayment.

3.4 SHINGLE INSTALLATION

- A. Install Owens Corning™ shingles (including started shingles as well as hip and ridge shingles) in accordance with Owens Corning installation instructions and in accordance with local building code requirements.
- B. Install starter course at lowest roof edge and along rake with edge of shingles extending 1/4 in (6.4 mm) over edge of roof. Sealant strip should be closest to roof edge.
- C. Install first and successive courses of shingles stepping diagonally up and across roof deck with Owens Corning recommended offset at each succeeding course. Maintain uniform exposure of shingles at each succeeding course. Use of a chalk line every other course is recommended.
- D. Fasten shingles to deck with number of roofing nails per shingle and type of nails specified by Owens Corning, or in accordance specified by local Authority Having Jurisdiction.
- E. All fasteners must be driven flush with the shingle surface and penetrate at least 3/4 in (19.1 mm) into the wood deck. Where the deck is less than 3/4 in (19.1 mm) thick, the fastener should be long enough to penetrate fully and extend through the roof sheathing.
- F. Install Owens Corning shingles at valleys, eaves, rakes, hips and ridges in accordance with Owens Corning installation instructions and local building code requirements.

3.5 LOW SLOPE ROOFING SYSTEM INSTALLATION

- A. Install Owens Corning™ low slope roofing system in accordance with Owens Corning installation instructions and in accordance with local building code requirements.
- B. Owens Corning™ low slope roofing system should only be installed on roofs with a slope of ¼:12 to 2:12.
- C. Apply only when the weather is dry and the ambient temperature is 45°F (7°C) and rising. Do not install when water in any form (i.e. rain, dew, ice, frost, snow) exist.
- D. Apply only over clean, dry, dust-free surfaces
- E. Ensure installation of DeckSeal MA NailBase does not prevent or interfere with ventilation of the existing structure.

3.6 VENT INSTALLATION

- A. Install Owens Corning™ vents in accordance with Owens Corning installation instructions and local building code requirements.



Fiberglass-Based Asphalt Shingles & Accessories

Guide Specifications

- B. Ventilation at minimum must meet or exceed local building code requirements. Owens Corning recommends:
 - 1. Net Free Ventilating Area (NFVA) of 1:150 as a minimum.
 - 2. Balanced approach for most effective ventilation (balance between the lower and upper parts of the roof by providing 50% of NFVA at the soffit and 50% at the ridge).
 - 3. NFVA at the upper part of the roof should not exceed 50%.
 - 4. Where length of the roof ridge is sufficient provide continuous ridge vents for most effective ventilation approach.

3.7 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

SureNail® Technology is proprietary with U.S. and foreign protection including U.S. Patent Nos. 7,836,654; 8,156,704; 8,181,413; 8,240,102; 8,430,983; 8,607,521; 8,623,164; 8,752,351; 8,991,130; 9,121,178; and other patents pending.

Pub. No. 10021602

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Hamburg Historic District (amended)

Name of Property

Scott County, Iowa

County and State

Address State #, Map #, FS # 2016 district status 1983 district status	Historic Name	significant date/s architectural style/type	Materials of walls, foundations, roof
	History of property (owners/residents, census data including birthplace of self (and parents), Sanborn map info), Current use		Architectural data (architect/builder, features, modifications), Garage data
729 W 6th St State #82-00565 Map #051 Field Site #B-25 Parcel #G0052-21 Updated district status: 2 contributing buildings (A, C) 1983 NRHP status: Contributing (key)	Francis Ochs House	c.1874 (c.1860s?) Gothic Revival (2 story)	Walls: frame - asbestos shingles Foundation: stone/brick Roof: cross gable - asphalt shingles
	1850s-1890 - Lot 8 owned by Francis Ochs - wife Emma died in 1854 - house style may be as early as 1856 assessor date, low real estate value in 1860 census suggests 1860s construction, high value in 1870 census, local history notes construction c.1874 1880 census: Ochs, Francis (64, retired tax collector) - born in Austria (Baden, Austria) 1853-1890 - Francis Ochs (florist until 1861, then city assessor in 1860s, then Davenport Savings Bank cashier from 1870-1874, then retired; daughter Emma born in 1853 - raised by Francis and housekeeper Louisa Henning 1910 Sanborn map: house - 2 story - extant 1910 census: Ochs, Emma (59, single) - born in US - IA (Austria, Germany) 1890-1941 - Emma Ochs - also boarder/servant in 1900s - then cousins Frank and Amelia Bruckner here also by 1920 to 1941 (born in Austria - immigrated in 1908/1912) 1942-1950 - Rev. Edward and Louise O'Neil - also boarder; 1950-1954 - owned by Nora L. Pickett; 1954-1960s - owned by Clarence Lay - used as rental 1956 Sanborn map: house - 2 story - extant Current use: single family house - owner occupied		Architect/builder: - Porch: full porch - round columns (new in early 1900s from original) Windows: 1/1 wood windows - decorative wood surrounds Architectural details: decorative windows, brackets, Modifications: Historic: early 1900s - front porch; Non-historic: 1957 - asbestos siding Garage: detached - frame Date: c.1920s Walls: frame - board and batten Foundation: concrete Roof: gable-front - asphalt Notes: original double doors Other site features: -
604 Gaines St <i>Alt: 702 (704) W 6th St</i> State #82-01831 Map #052 Field Site #D-01 Parcel #G0052-36 Updated district status: 1 contributing building (A, C) 1983 NRHP status: Contributing (key)	Henning J. & Emma D. (Schmidt) Witt House	c.1893 Queen Anne (2 story)	Walls: frame - wood Foundation: stone Roof: combination hip/gable - asphalt shingles
	1892 Sanborn map - footprint of house with note "being built" c.1893-1910 - Henning J. and Emma D. Witt (soda water manufacturer) 1910 Sanborn map: house - 2 story - extant 1910 census: Witt, Anna (47) - born in US - IA (Germany, Germany) 1910-1936 - Emma D. Witt (widow); 1936-1943 - Bouhumil and Agnes B. Bouda (tool designer) 1943-1948 - owned by Kosta Alexoff - used as rental - five families listed here in 1943; 1948-1953 - owned by Dewitt and Edythe Leota Bragonier - used as rental; 1953-1960s - owned by Carroll F. Albright - used as rental - "flats" on 1956 map 1956 Sanborn map: flats (apartments) - 2 story - extant Current use: single family house - owner occupied		Architect/builder: - Porch: entry steps (concrete) Windows: 1/1 wood windows Architectural details: corner tower, arch window, fishscale/decorative wood siding, decorative gables/windows, bay window, brackets, entry with transom Modifications: Historic: -; Non-historic: - Garage: none Other site features: stone retaining wall along Gaines St* (4', rough cut stone), also newer stone wall to north and along W. 6th St
708 W 6th St <i>Alt: moved from 307 Warren in 1956</i> State #82-00559 Map #053 Field Site #D-02 Parcel #G0052-37C Updated district status: 1 contributing building (A) (moved) 1983 NRHP status: Contributing	Louis and Mary Rehling House	c.1875, 1956 move Gable-front - 2 story, 3 bay (McClelland type) (2 story)	Walls: frame - wood Foundation: concrete Roof: gable-front - asphalt shingles
	c.1875 - house built at 307 Warren for Louis and Mary Rehling (painter, paint shop here as well) c.1875 - built at 307 Brown; 307 Warren: c.1875-1894 - Louis and Mary Rehling (painter) 1910 Sanborn map: house - 2 story - extant 1954 - older two-story house at rear of lot demolished 1956 - house at 307 Warren moved to this site by Howard Petersen 1956 Sanborn map: vacant - lot Current use: single family house - owner occupied		Architect/builder: - Porch: entry steps (at this location) Windows: 4/4 wood windows, replaced on 1st story Architectural details: - Modifications: Historic: -; Non-historic: 1956 - moved here from 307 Warren Garage: none Other site features: newer stone retaining wall along Gaines St (2 ft)

Historic Preservation Ordinance

Section 14.01.060 Certificate of Appropriateness Review Process

C. Commission review process - Standards for review. In considering an application for a certificate of appropriateness, the commission shall be guided by the following general standards in addition to any other standards or guidelines established by ordinance for a local landmark or historic district. In all cases, these standards are to be applied in a reasonable manner, taking into full consideration the issue of economic feasibility and other technical considerations.

1. Every reasonable effort shall be made to make the minimal number of changes necessary to maintain a designated property in a good state of repair, thereby minimizing the impact of the proposed alteration; and
2. The removal, alteration or concealing of distinguishing exterior architectural features and historic material of a designated property should be avoided when possible; and
3. All designated property shall be recognized as a product and physical record of its time, place and use. Changes that create a false sense of historical development, such as adding conjectural architectural features shall be discouraged; and
4. Most properties change over time, and those changes that have acquired architectural and/or historical significance in their own right shall be recognized, respected and retained; and
5. Distinctive architectural features, construction techniques and/or examples of craftsmanship that characterize a designated property shall be treated with due consideration; and
6. Deteriorated architectural features should, where possible, be repaired rather than replaced. Where the severity of deterioration requires replacement, 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; and
7. Activities that cause deterioration of a designated property and its architectural features shall be discouraged. In those cases where the damage would be irreversible, such as sand-blasting and wet blasting fire-hardened bricks, the activities shall be prohibited. If cleaning is to be done, the gentlest means possible shall be encouraged; and
8. Known significant archeological resources possibly affected by a proposed activity shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken; and
9. New additions and related new construction shall not be discouraged when such improvements do not destroy historic material and such design is compatible with the size, massing, scale, color, materials and character of the property, neighborhood and district, if applicable.

D. Design criteria to implement review standards. When the commission is considering an application for a certificate of appropriateness, it shall consider the following architectural design criteria, or elements of design as they relate to the standards for review prescribed in Section 14.01.040C.

1. Height. The height of any proposed addition, construction or reconstruction should be compatible with the designated property and the surrounding structures, if located within a designated historic district; and
2. Proportions. The proportions (width versus height relationship) between doors and windows should be compatible, if not replicated, with the architectural design and character of the designated property; and
3. Scale. A proposed alteration, construction, reconstruction or addition should not negatively impact the scale of the designated property or district; and
4. Materials. Historic or original architectural features, or replacement elements which in all ways replicated the original, should be repaired whenever possible; and
5. Relationship of building masses and spaces. The relationship of a structure within a designated historic district to the rear, side and front yards between it and surrounding structures should be compatible; and
6. Roof shape. The roof design and shape should remain consistent with its original configuration and character; and
7. Site improvements. Landscaping and other site improvements, including off-street parking, should have as minimal of an impact as possible to the designated property's original plan/layout and its visual character.

City of Davenport

Department: Development & Neighborhood Services
Contact Info: Matt Werderitch | 563-888-2221

Action / Date
6/11/2024

Subject:
QC PastPort Presentation

Recommendation:

Background:

Attachments:
None

City of Davenport

Department: Development & Neighborhood Services
Contact Info: Matt Werderitch | 563-888-2221

Action / Date
6/11/2024

Subject:
Congressional Historic Preservation Caucus

Recommendation:
Approve the letter.

Background:

The Historic Preservation Caucus, formed in 2003, brings together members of Congress who understand the value of America's historic places as definers of our national character. Its members support and encourage preservation and thoughtful economic development in their states, districts, and territories as a matter of national policy.

Despite Iowa having one of the largest Certified Local Government Programs in the country, Iowa is currently one of eleven states not represented in this caucus.

The Chairperson is proposing the Commission send a letter to US Representative Mariannette Miller-Meeks to encourage her to consider joining the Congressional Historic Preservation Caucus. Attached is a draft letter for the Commission's review.

Two letters are attached to this report. One is a letter from the Chairperson. The second is a letter from the full Commission. The Commission can discuss which option to proceed forward with. The Bylaws authorize the Chairperson the ability to sign official documents adopted or approved by the Commission.

Attachments:

1. Chairperson Letter to Representative Miller-Meeks
2. Commission Letter to Representative Miller-Meeks



June 11, 2024

The Honorable Mariannette Miller-Meeks
U.S. House of Representatives
1034 Longworth House Office Building
Washington, DC 20515

Dear Congresswoman Miller-Meeks,

Writing to you on behalf of the Davenport Historic Preservation Commission, I urge you to consider joining the Congressional Historic Preservation Caucus.

The Historic Preservation Caucus, formed in 2003, brings together members of Congress who understand the value of America's historic places as definers of our national character. Its members support and encourage preservation and thoughtful economic development in their states, districts, and territories as a matter of national policy.

Despite having one of the largest Certified Local Government Programs in the country, Iowa is currently one of eleven states not represented in this caucus. We believe your consideration of this would enhance the available opportunities and possibilities within your district here in Iowa, and give the State of Iowa a seat at the table.

Davenport has the largest number of Iowa historic properties listed in the National Register of Historic Places. Approximately 1,600 properties are listed, either individually or as part of 14 historic districts. Our preservation work here in Davenport fosters civic pride, strengthens neighborhoods, and spurs economic development.

We appreciate your consideration of this request.

Respectfully:

Michael Hustedde
Chairperson of Davenport's Historic Preservation Commission



June 11, 2024

The Honorable Mariannette Miller-Meeks
U.S. House of Representatives
1034 Longworth House Office Building
Washington, DC 20515

Dear Congresswoman Miller-Meeks,

As members of the Historic Preservation Commission with the City of Davenport, we would like to invite you to join the Congressional Historic Preservation Caucus.

The Historic Preservation Caucus, formed in 2003, brings together members of Congress who understand the value of America's historic places as definers of our national character. Its members support and encourage preservation and thoughtful economic development in their states, districts, and territories as a matter of national policy.

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We appreciate your consideration of this request.

Respectfully:

The City of Davenport Historic Preservation Commission

Michael Hustedde
Chairperson

Christopher Kretz
Vice-Chairperson

Eric Bierman
Commissioner

Diane Franken
Commissioner

Bob McGivern
Commissioner

Karen Miranda
Commissioner

Christine Powers
Commissioner

City of Davenport

Department: Development & Neighborhood Services
Contact Info: Matt Werderitch | 563-888-2221

Action / Date
6/11/2024

Subject:
Preserve Iowa Summit

Recommendation:

Background:

The 2024 Preserve Iowa Summit was held in Mount Pleasant, Iowa on June 6-8th. Two Commissioners attended the conference. This is an opportunity to discuss the conference and share ideas with the Commission.

Attachments:
None