



February 11, 2022

To: All Potential Respondents From: Construction Procurement

Subject: RFQ922800-01 Plumb Grove Roof Replacement

Request for Quote

The State of Iowa is conducting a Request for Quote for a contractor to remove and replace the existing wood shake roofing on the Plumb Grove Building located at 1030 Carroll St., Coralville, IA 52240. See Exhibit B for additional detail.

All work shall be substantially completed by May 27, 2022

The Project is located at 1030 Carroll St., Coralville, IA 52240.

A pre-quote on site meeting will be held February 23, 2022 @ 10:00 AM.

Please email your quote using the Exhibit A pricing form to construction.procurement@iowa.gov prior to March 10, 2022 at 2:00 PM (CT).

All questions regarding this solicitation must be received by email by 2:00 PM (CT) ON February 25, 2022.

Contract Terms and Conditions

This procurement will result in a Consensus 802 Agreement. By submitting a quote, respondent agrees to the contract terms and conditions available at

https://das.iowa.gov/sites/default/files/procurement/pdf/ConsensusDoc802.pdf

Performance Bond

Respondent must provide a Performance and Payment Bond in accordance with Section 10.8 of Consensus 802 Agreement.

Insurance Requirements

See sample Certificate of Insurance attached as Exhibit D for required limits, additional insured requirements, and waiver of subrogation.

Exhibit A Pricing Form

Plumb Grove Roofing Replacement 1030 Carroll St., Coralville, IA 52240 Request for Quote RFQ922800-01

Due Thursday, March 10, at 2:00 PM (CT)

Please submit this completed form with your Quote to:

Attention: Bobbi Pulley Iowa Department of Administrative Services - Central Procurement construction.procurement@iowa.gov This form is to be completed in ink or typewritten. Only pricing on this form or an exact copy of this form will be accepted. Pricing Form shall be signed by an officer of the firm with authority to bind Respondent to Contract. Respondent acknowledges receipt of the following Addenda (if issued) which are part of the RFQ documents: Addendum No. Date Addendum No. Date _____ Freight Terms: FOB Destination, Freight Pre-Paid The State reserves the right to reject any or all quotes without penalty and to waive minor deficiencies and informalities if, in the judgement of the State, it's best interests will be served. Respondents must submit pricing for all scope of work items indicated per the attached Exhibit B. The State reserves the right to evaluate pricing. The State intends to make one Award for this project. **BP01** – Remove and replace shake roofing: Quote: Total \$ Unit Price 01 – Remove and replace (1) S.F. of damaged roof sheathing: *Please note all pricing is to be delivered price. That is why we are stating FOB Destination, Freight Pre-Paid.* Signature _____ Name (Print) City, St., Zip _____ Phone #_____ Fax #_____

Exhibit B Scope of Work

Plumb Grove Roofing Replacement 1030 Carroll St., Coralville, IA 52240 Request for Quote RFQ922800-01

Due Thursday, March 10, at 2:00 PM (CT)

BP01 – Remove and replace shake roofing:

All work on Sheets G-1 Cover Sheet, G-2 Specifications, A-1 Roof Plan, A-2 Elevations & A-3 Details. Remove and dispose of existing cedar shakes, fasteners and underlayment indicated on the plans. Remove existing gutters and downspouts and save for reinstallation. Provide and install new continuous ventilation, roofing felt, Ice and water, new drip edge and cedar shakes as indicated on the plans.

<u>Unit Price 01 - Remove and replace (1) S.F. of damaged roof sheathing:</u>

Provide all labor, material, and equipment to remove and dispose of (1) square foot of roof sheathing and replace with new sheathing.

PLUM GROVE HISTORIC HOUSE ROOF REPLACEMENT DAS PROJECT NO. 9228.00



SITE

SCALE: 1" =100'

_DING INFORMATION

LE BUILDING CODE - 2015 IEBC AND IPC ATION OF WORK - REPAIR

MENT OF DAMAGED MATERIALS (SIDING) FOR THE OF MAINTINING COMPONENTS IN SOUND CONDITION PECT TO EXISTING LOADS OR PERFORMANCE

IANCE REQUIREMENT (601.2) - THE WORK SHALL NOT BUILDING LESS CONFORMING THAT IT WAS BEFORE IR WAS UNDERTAKEN.

GUTTER AND DOWNSPOUT SIZE VALIDATED PER IPC

JECT DIRECTORY

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES (DAS) DES MOINES, IA 50319 OWNER'S REPRESENTATIVE: JAMES TROWER PHONE: 515.725.4150 EMAIL: JAMES.TROWER@IOWA.GOV

CONSTRUCTION MANAGER

THE SAMUELS GROUP 2929 WESTON PARKWAY SUITE 200 WEST DES MOINES, IA 50266 PROJECT MANAGER: BRIAN POLZIN

EMAIL: BPOLZIN@SAMUELSGROUP.NET

ARCHITECT

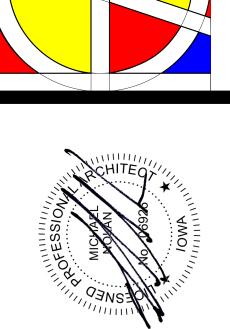
HORIZON ARCHITECTURE 3116 ALPINE COURT IOWA CITY IA 52245 PHONE: (563) 506-4965 CONTACT: MICHAEL NOLAN, AIA EMAIL: MICHAEL@HORIZON-ARCHITECTURE.COM

GRAPHIC INDICATES DETAIL LOCATION ON SHEET **SYMBOLS** INDICATES SHEET WINDOW MARKER ON WHICH DRAWING **SKYLIGHT MARKER** DOOR IDENTIFIERS - ENLARGED PLAN REFERENCE (ELEVATIONS/SECTIONS) ON WHICH ELEVATION 6" TYPICAL, UNLESSOTHERWISE NOTED WALL TYPE MARKER

ADDDEVIATIONS

<u>At</u>	<u> 3BKEVIA</u>		<u> </u>						
A.D.	AREA DRAIN	DN	DOWN	HORIZ.	HORIZONTAL	PL. LAM	PLASTIC LAMINATE	U.L.	UNDERWRITERS
ABV.	ABOVE	DWG.	DRAWING	HT.	HEIGHT	QTY.	QUANTITY	LABORA	
ADA	ACCESSIBLE / AMERICANS	DEPT.	DEPARTMENT	INSUL.	INSULATION / INSULATING	R	RISER	VEST.	VESTIBULE
WITH DIS	SABILITIES ACT	DBL.	DOUBLE	I.D.	INSIDE DIAMETER	R.W.C.	RAIN WATER CONDUCTOR		VINYL COMPOSITION
ADJ.	ADJUSTABLE	DIM.	DIMENSION	INCAND.	INCANDESCENT	REINF.	REINFORCING / REINFORC	ED TILE	
A.o.R.	AREA OF REFUGE	DR.	DOOR	JAN.	JANITOR	REQ.	REQUIRED	W/	WITH
ALUM.	ALUMINUM	EXIST.	EXISTING	JT.	JOINT	R.O.	ROUGH OPENING	W.C.	WATER CLOSET
ALT.	ALTERNATE	EQ.	EQUAL	LBS.	POUNDS	REV.	REVISED / REVISION	WD	WOOD
A.F.F.	ABOVE FINISHED FLOOR	E.C.	ELECTRICAL CONTRACTOR	LAV.	LAVATORY	REFL.	REFLECTED		
AC.	ACOUSTIC / ACOUSTICAL	EL.	ELEVATION	LAM.	LAMINATE	REC.	RECESSED	&	AND
A.F.	ALUMINUM FACE	ELEV.	ELEVATOR	L.P.	LOW POINT	RAD.	RADIUS	@	AT
APPX.	APPROXIMATE /	ELEC.	ELECTRIC / ELECTRICAL	MAX.	MAXIMUM	S.S.	STAINLESS STEEL	±	PLUS OR MINUS
APPROX	IMATELY	EXP.	EXPANSION	MFR.	MANUFACTURER /	ST.	STREET	•	DEGREE
BD.	BOARD	EXT.	EXTERIOR	MANUFA	CTURED	SIM.	SIMILAR	П	ANGLE
BLK.	BLOCK / BLOCKING	EA.	EACH	MTL.	METAL	STL.	STEEL	ſ	CHANNEL
BLDG.	BUILDING	F.D.	FLOOR DRAIN	MIN.	MINIMUM	SQ.	SQUARE	#	NUMBER
B.O.	BOTTOM OF	F.E.	FIRE EXTINGUISHER	MIRR.	MIRRORED	SAN.	SANITARY		SQUARE
B.O.S.	BOTTOM OF STEEL	F.E.C.	FIRE EXTINGUISHER	MTD.	MOUNTED	SUSP.	SUSPENDED	ø	ROUND / DIAMETER
CAB.	CABINET	CABINET		M.O.	MASONRY OPENING	STD.	STANDARD	1 / C.L.	CENTER LINE
C.C.	CENTER-TO-CENTER	FIN.	FINISH / FINISHED	MISC.	MISCELLANEOUS	SPEC.	SPECIFICATION	1 / PL.	PLATE
CLG.	CEILING	FLR.	FLOOR	MECH.	MECHANICAL	TEL.	TELEPHONE	Π	U-BAR
CLOS.	CLOSET	F.O.	FACE OF	N.I.C.	NOT IN CONTRACT	T.O.	TOP OF	L	LEG-BAR
C.M.	CONSTRUCTION MANAGER	FT.	FEET / FOOT	NO.	NUMBER	T.O.S.	TOP OF STEEL		
CMU	CONCRETE MASONRY UNIT	FLUOR.	FLUORESCENT	N.T.S.	NOT TO SCALE	T.O.W.	TOP OF WALL	\/EDII	
C.J.	CONTROL JOINT	GYP.	GYPSUM	O.C.	ON CENTER	TOIL.	TOILET	VERII	FY SCALE
CONC.	CONCRETE	GALV.	GALVANIZED	O.D.	OUTSIDE DIAMETER	TYP.	TYPICAL	BAD IS ONE	(1) INCH LONG ON
CORR.	CORRIDOR	GA.	GAUGE	OPP.	OPPOSITE	THK.	THICK		VAL DRAWING
COL.	COLUMN	G.C.	GENERAL CONTRACTOR	OPG.	OPENING	TMP.	TEMPERED	, ordion	VAL DIVAVIIVO
CONT.	CONTINUE / CONTINUOUS	HR.	HOUR	P.C.	PLUMBING CONTRACTOR	T.S.G.	TEMPERED SAFETY	0 —	1
CONTR.	CONTRACTOR	H.P.	HIGH POINT	P.F.	PANEL FACE	GLASS		J	
DIA.	DIAMETER	HVAC	HEAT, VENTILATION, AIR-	PR.	PAIR	U.O.N.	UNLESS OTHERWISE	IF BAR IS NOT	ONE (1) INCH LONG,
DTI	DETAIL	CONDITIO	ONUNIC	DT	DDECCUDE TDEATED	NOTED			ALE ACCORDINGLY

SHEET INDEX ID COVER SHEET **ROOF PLAN ELEVATIONS** DETAILS



DRAWN BY: **COPYRIGHT**

SHEET TITLE **COVER SHEET**

G-1

SECTION 06 1000 ROUGH CARPENTRY

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Sheathing.
- B. Concealed wood blocking, nailers, and supports. C. Miscellaneous wood nailers, furring, and grounds.

1.2 REFERENCE STANDARDS

- A. ASTM D3498 Standard Specification for Adhesives for Field-Gluing Wood Structural Panels (Plywood or Oriented Strand Board) to Wood Based Floor System Framing
- B. ASTM E2178 Standard Test Method for Air Permeance of Building Materials 2013. C. ASTM E2357 - Standard Test Method for Determining Air Leakage of Air Barrier Assemblies 2018.
- D. ASTM E96/E96M Standard Test Methods for Water Vapor Transmission of Materials E. ICC-ES AC310 - Acceptance Criteria for Water-resistive Membranes Factory-bonded to
- Wood-based Structural Sheathing, Used as Water-Resistive Barriers 2008, with Editorial Revision (2015). F. PS 1 - Structural Plywood 2009.
- G. PS 2 Performance Standard for Wood-Based Structural-Use Panels 2010. H. PS 20 - American Softwood Lumber Standard 2015.

1.3 DELIVERY, STORAGE, AND HANDLING

A. General: Cover wood products to protect against moisture. Support stacked products to prevent deformation and to allow air circulation.

1.4 WARRANTY

A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.

PART 2 - PRODUCTS

- 2.1 GENERAL REQUIREMENTS A. Dimension Lumber: Comply with PS 20 and requirements of specified grading
- 1. Species: Douglas Fir-Larch, unless otherwise indicated. 2. If no species is specified, provide any species graded by the agency specified; if no grading agency is specified, provide lumber graded by any grading agency
- meeting the specified requirements. 3. Grading Agency: Any grading agency whose rules are approved by the Board of Review, American Lumber Standard Committee (www.alsc.org) and who provides
- grading service for the species and grade specified; provide lumber stamped with grade mark unless otherwise indicated. 4. Lumber of other species or grades is acceptable provided structural and
- appearance characteristics are equivalent to or better than products specified.

2.2 DIMENSIONAL LUMBER FOR CONCEALED APPLICATIONS

A. Sizes: Nominal sizes B. Moisture Content: S-dry or MC19

2.3 CONSTRUCTION PANELS

- A. Roof Sheathing: Any PS 2 type, rated Structural I Sheathing.
- Bond Classification: Exterior.
- 2. Span Rating: 48/24. Thickness: Match Existing.

2.4 ACCESSORIES

- A. Fasteners and Anchors:
 - 1. Metal and Finish: Hot-dipped galvanized steel complying with ASTM A153/A153M for high humidity and preservative-treated wood locations, unfinished steel elsewhere.
- B. Construction Adhesives: Adhesives complying with ASTM C557 or ASTM D3498.

PART 3 - EXECUTION

3.1 PREPARATION

A. Coordinate installation of rough carpentry members specified in other sections.

3.2 INSTALLATION - GENERAL

- A. Select material sizes to minimize waste. B. Reuse scrap to the greatest extent possible; clearly separate scrap for use on site as
- 3.3 BLOCKING, NAILERS, AND SUPPORTS
- A. Provide framing and blocking members as indicated or as required to support finishes, fixtures, specialty items, and trim.

3.4 INSTALLATION OF CONSTRUCTION PANELS A. Roof Sheathing: Secure panels with long dimension perpendicular to framing

accessory components, including: shims, bracing, and blocking.

members, with ends staggered and over firm bearing.

1. Nail panels to framing; staples are not permitted. 3.5 TOLERANCES

A. Variation from Plane (Other than Floors): 1/4 inch in 10 feet maximum, and 1/4 inch in 30 feet maximum.

3.6 FIELD QUALITY CONTROL

A. See Section 01 4000 - Quality Requirements, for additional requirements. **END OF SECTION**

SECTION 07 0150 PREPARATION FOR RE-ROOFING

1.1 SUMMARY

PART 1 GENERAL

- A. Section Includes: 1. Cedar shake and selective roofing system component removal for new roof
- membrane installation. B. Existing Roofing System: Cedar Shakes
- Cedar Shakes. Underlayment.
- 3. Plywood Roof Sheathing.

1.2 FIELD CONDITIONS

- A. Building Occupancy: Perform work to minimize disruption to normal building operations 1. Verify occupants are evacuated from affected building areas when working on
- structurally impaired roof decking above occupied areas. 2. Provide notice minimum 72 hours before beginning activities affecting normal
- building operations.
- B. Existing Roofing Available Information: 1. The following are available for Contractor reference:

- a. Construction drawings.
- 2. Examine available information before beginning work of this section. C. Weather Limitations: Proceed with reroofing preparation only during dry weather
- conditions as specified for new roofing installation. Remove only as much roofing in one day as can be made watertight in same day.
- D. Hazardous materials are not expected in existing roofing system. 1. Do not disturb suspected hazardous materials. When discovered, notify Construction Manager.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Patching Materials: Match existing roofing system materials.
- B. Temporary Protection Materials: Expanded Polystyrene (EPS) Insulation: ASTM C578.
- Plywood: NIST DOC PS 1, Grade CD Exposure 1. Oriented Strand Board (OSB): NIST DOC PS 2, Exposure 1.
- C. Temporary Roofing System Materials: Contractor's option.

PART 3 EXECUTION

- A. Examine and verify substrate suitability for product installation.
- B. Protect existing roofing system indicated to remain. 1. Cover roof membrane with temporary protection materials without impeding
- Limit traffic and material storage to protected areas.
- Maintain temporary protection until replacement roofing is completed.
- C. Protect existing construction and completed work from damage.
- D. Protect landscaping from damage. E. Maintain access to existing walkways and adjacent occupied facilities.
- F. Ensure temporary protection materials are available for immediate use in case of
- unexpected rain.
- G. Ensure roof drainage remains functional. Keep drainage systems clear of debris.
- Prevent water from entering building and existing roofing system. H. Coordinate rooftop utilities remaining active during roofing work with Construction

3.2 RE-ROOFING PREPARATION - GENERAL

A. Notify Owner's Representative of planned operations, daily. Identify location and extent of roofing removal. Request authorization to proceed.

3.3 SELECTIVE ROOFING SYSTEM COMPONENT REMOVAL

- A. Remove existing shakes, underlaymeny and accessories in locations and to extent
- indicated on drawings. B. Visually inspect roof sheathing for moisture or other degradation immediately following
- removal of existing underlayment. 1. Coordinate with Construction Manager to observe inspections.
- Identify damaged roofing system components required to be removed.
- 3. Mark roofing system removal locations and extents.
- C. Remove damaged roofing system components. D. Patch selective roofing system removals immediately after inspection and repair.

E. Install patching materials to match existing roofing system.

- 3.4 TEMPORARY ROOFING
- A. Install temporary roofing to maintain building watertight. B. Remove temporary roofing before installing new roofing.

3.5 BASE FLASHING REMOVAL

- A. Expose base flashings to permit removal.
- Two-Piece Counterflashings: Remove cap flashing and store for reuse. 2. Single Piece Counterflashings: Carefully bend counterflashing.
- B. Remove existing base flashings.
- Clean substrates to receive new flashings. C. Replace counterflashings damaged during removal. 1. Counterflashings: See Section 076000 SHEET METAL FLASHING AND TRIM.

3.6 FIELD QUALITY CONTROL

- A. Field Tests:
- 1. Fastener Pull Out Tests: ANSI/SPRI FX-1.
- B. Existing Roofing System Warrantor Services: 1. Inspect reroofing preparation and roofing installation to verify compliance with existing warranty conditions.
- 2. Submit reports of field inspections, and supplemental instructions issued during

3.7 DISPOSAL

A. Collect waste materials in containers.

B. Remove waste materials from project site, regularly, to prevent accumulation. C. Legally dispose of waste materials.

END OF SECTION

SECTION 07 3129

WOOD SHINGLES AND SHAKES

1.1 SECTION INCLUDES

PART 1 GENERAL

- A. Wood shakes B. Flexible sheet membranes for eave protection, underlayment, and valley protection.
- C. Associated metal flashings and accessories.

1.2 RELATED REQUIREMENTS

- A. Section 06 1000 Rough Carpentry: Roof sheathing.
- 1.3 REFERENCE STANDARDS
- A. ASTM D1970/D1970M Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam
- Protection 2020. B. ASTM D4869/D4869M - Standard Specification for Asphalt-Saturated Organic Felt Underlayment Used in Steep Slope Roofing 2016a (Reapproved 2021).
- C. ASTM D5261 Standard Test Method for Measuring Mass per Unit Area of Geotextiles 2010 (Reapproved 2018).
- D. CSSB (RMAN) New Roof Construction Manual 2014. E. CSSB (WEB) - (Grade Standards and Installation Recommendations as Posted at

PART 2 PRODUCTS

2.1 SHINGLES AND SHAKES A. Wood Shakes: Western red cedar (Thuja plicata), handsplit and sawn, CSSB (WEB)

www.cedarbureau.org); Cedar Shake and Shingle Bureau current edition.

- No. 1 Grade, 18 inches long, standard straight butt.
- Thickness at Butt: 1/2 inch, nominal. Provide CSSB labels in packaging.

2.2 SHEET MATERIALS

A. Ventilation Mat: Polymeric or nylon roof ventilation mat for wood roof sheathing applications

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- 1. Thickness: 3/8 inch, nominal.
- Width: 39 inches. Weight per Unit Area: 8.66 oz/sq yd in accordance with ASTM D5261.
- a. Advanced Building Products, Inc; CedAir-Mat Roof Ventilation Mat:
- www.advancedbuildingproducts.com/#sle.
- b. Keene Building Products; Viper CDR Vent: www.keenebuilding.com/#sle. c. Benjamin Obdyke: Cedar Breather: https://www.buyobdyke.com/cedar-
- d. Substitutions: As approved by Architect. B. Eave Protection Membrane: Self-adhering polymer-modified asphalt sheet complying
- with ASTM D1970/D1970M; 40 mil total thickness; with strippable treated release paper and polyethylene sheet top surface.
- C. Underlayment: Asphalt-saturated organic felt underlayment, complying with ASTM D4869/D4869M, minimum 26 lb/100 sq ft (Type IV). D. Flexible Flashing: Self-adhering polymer-modified asphalt sheet complying with ASTM

polyethylene sheet top surface.

2.3 METAL FLASHINGS

D1970/D1970M; 40 mil total thickness; with strippable treated release paper and

- A. Metal Flashings: Provide sheet metal eave edge, gable edge, chimney flashing, dormer flashing, and other flashing indicated 1. Form flashings to protect roofing materials from physical damage and shed water.
- 2. Hem exposed edges of flashings minimum 1/4 inch on underside. B. Sheet Metal: Prefinished aluminum, 26-gauge, 0.017-inch minimum thickness;
- ___] coating, match existing color. C. Pipe Flashings: Galvalume/aluminum construction
- Retain and reuse existing if serviceable Retain and reuse or storm collar or provide new.

3. Duravent 6GVFSR or Approved Equal.

- 2.4 ACCESSORIES A. Ridge Vents: Plastic, formed with vent openings that do not permit direct water or weather entry; flanged to receive shingles.
 - Benjamin Obdyke: Rapid Ridge: https://benjaminobdyke.com/product/rapid-ridge-

2. Substitutions: As Approved by Architect

PART 3 EXECUTION 3.1 EXAMINATION

- A. Verify existing conditions prior to beginning work.
- B. Replace any damaged or degraded roof sheathing (Unit Cost) C. Verify that roof penetrations and plumbing stacks are in place and flashed to deck

3.2 PREPARATION

- A. At areas where eave protection membrane is to be adhered to substrate, fill knot holes and surface cracks with latex filler.
- 3.3 INSTALLATION EAVE PROTECTION MEMBRANE
- A. Install eave protection membrane from eave edge to minimum 4 feet upslope beyond

B. Install eave protection membrane in accordance with manufacturer's instructions. 3.4 INSTALLATION - UNDERLAYMENT

A. At Roof Slopes Greater than 4:12 (1:3): Install underlayment perpendicular to slope of roof, with ends and edges weather lapped minimum 4 inches. Stagger end laps of each consecutive layer. Nail in place. Weather lap minimum 4 inches over eave

B. Items Projecting Through or Mounted on Roof: Weather lap and seal watertight with

roof cement.

3.5 INSTALLATION - METAL FLASHING AND ACCESSORIES

A. Install flashings in accordance with CSSB (RMAN) - New Roof Construction Manual.

3.6 INSTALLATION - SHINGLES AND SHAKES

C. Install with double course at eaves.

- A. Install using not less than two fasteners for each shingle or shake. B. On Roofs: Install to produce straight coursing pattern with 4" or match existing inch weather exposure to produce double thickness.
- D. Interleave roof underlayment into roofing courses.

END OF SECTION SECTION 07 6200

SHEET METAL FLASHING AND TRIM

PART 1 GENERAL

- 1.1 SUMMARY
- A. Related Documents: Drawings and general provisions of the Subcontract apply to this Section.
- 2. Review these documents for coordination with additional requirements and information that apply to work under this Section.

1. Flashing, preformed metal trim, gutters, downspouts and sheet metal work.

- 1.2 REFERENCES 1. The following documents form part of the Specifications to the extent stated.
 - Where differences exist between codes and standards, the one affording the greatest protection shall apply.

2. Unless otherwise noted, the referenced standard edition is the current one at the time of commencement of the Work.

1.3 SUBMITTALS

1. Specifications, materials list and schedule for surface preparation procedures.

A. Submit under provisions of Division 01 Section SUBMITTAL PROCEDURES. B. Product Data:

Material safety data sheets. C. Shop Drawings: Details showing each condition separately and cross-referenced with applicable details on the Drawings.

- 1.4 QUALITY ASSURANCE A. Comply with pertinent recommendations contained in "Architectural Sheet Metal
- Manual," latest edition, of the Sheet Metal and Air Conditioning Contractors National Association, Inc. B. Take field measurements required for proper and adequate fabrication and installation of the work. Exact measurements are the Subcontractor's responsibility. Furnish

templates for exact locations of items to be embedded.

1.5 WARRANTY A. Warranty Period: Per Iowa Statute.

PART 2 PRODUCTS

2.1 MATERIALS

- A. General: Furnish sheet metal in minimum 20-gauge, except 24-gauge for downspouts and gutters, or as otherwise indicated. Unless otherwise noted, all sheetmetal shall be
- galvanized, FS QQ-S-775d, Class d, ASTM A525 Class 1.25 commercial galvanizing. B. Solder: For use with steel or copper, Class A, Grade I, half-and-half, pig lead and block tin, ASTM B32, Type 50-50, with rosin flux.
- 1. For use with stainless steel, 60-40 tin/lead solder, ASTM B32, with acid-chloride flux, except use rosin flux over tinned surfaces.
- Mastic: FS SS-S-153, Type 1, black plastic cement. D. Nails and Screws: Same metal as flashing/sheet metal, or other non-corrosive metal as recommended by sheet manufacturer, Stronghold type, with large flat heads and sharp points. Use length sufficient to penetrate wood framing a minimum of 7/8-inch (22 mm). Use lead or neoprene washers where indicated. Use sheet metal screws or selftapping screws to fasten sheet metal to other metal. Match finish of exposed heads
- with finish of material being fastened.
- E. Lap Joint Sealer: Polyisobutylene non-hardening, non-skinning, non-drying, nonmigrating sealant. F. Coating for Dissimilar Metals: Bitumastic paint or as required to be compatible with adjacent materials and finishes. Coordinate requirements with paint systems and
- coatings furnished under Division 09 Section "Painting". G. Epoxy Seam Sealer: Two-part non-corrosive metal seam cementing compound recommended by metal manufacturer for exterior/interior non-moving joints including
- riveted ioints. H. Adhesives: Type recommended by flashing sheet manufacturer for waterproof/weatherproof seaming and adhesive application of flashing sheet.
- Paper Slip-Sheet: 5-lb (2.27 kg) rosin-sized building paper. Polyethylene Underlayment: Minimum 6-mil carbonated polyethylene film. K. Metal Accessories: Sheet metal clips, straps, anchoring devices, and similar accessory

units as required for installation of work, matching or compatible with material being

- installed, non-corrosive, size and gage as required for performance. L. Gutter and Conductor-Head Guards: 20-gauge bronze or nonmagnetic stainless steel mesh or fabricated units, with selvaged edges and noncorrosive fasteners. Use
- materials compatible with gutters and downspouts. Retain and reinstall existing.

M. Other materials are described under Part 3, Execution.

this work within membrane waterproofing work.

PART 1 EXECUTION

3.1 COORDINATION A. Review drawings for sheet metal work. Coordinate to achieve proper incorporation of

- 3.2 FABRICATION AND INSTALLATION
- A. Perform work in accordance with Drawings and Specifications. B. Fabricate shapes as detailed and approved. C. Accurately fabricate and fit parts, with surfaces free from warp, wave, buckle, dent or
- other defects, and with square corners and angles, unless otherwise shown. D. Install water and weather tight where exposed to the weather, with the provision for free expansion and contraction without causing leaks.
- E. Clean soldered surfaces prior to soldering. Fully flow soldered joints fully. Scrape and finish exposed solder smooth. Remove traces of flux or acid. F. Provide locked-butt joints. Where impractical and unless otherwise detailed, provide joints with full backup strips, riveted to one end and soldered; lap other end and seal
- with lap joint sealer. Turn lock joints, where exposed, in direction of flow. Solder joints and miters. 2. Make ample provisions for expansion and contraction in sheet metal assemblies, and provide by slip joints. In long runs, provide slip joints every 20 feet (6 m)
- minimum, unless otherwise shown on Drawings. In runs less than 20 feet (6 m), provide one slip joint. 3. Provide reinforcements as required.
- 4. Shop fabricate corners at parapet wall copings with miters and all joints soldered. G. Exposed fasteners are not permitted. H. Provide heavy coating of bitumastic paint to insulate dissimilar metals from each other. Fold, bead, hem or return exposed edges of fabricated sheetmetal; no raw edges will
- be permitted. J. Close all ends. K. Etch sheet metal surfaces which will be concealed in the finish work with an approved acid wash, and then shop paint with one coat of approved galvanized primer. Sheet

metal surfaces which will be exposed in the finished work are specified to be treated

1. Confirm compatibility of shop primers and surface preparation used on concealed

surfaces with paints and coatings provided in Division 09 Section "Painting". L. Underlayment: Where stainless steel is to be installed directly on cementitious or wood substrates, install a slip sheet of red rosin paper and a course of polyethylene

M. Install "beehive"-type strainer guards at conductor heads, removable for cleaning

and prime-painted under Division 09 Section "Painting".

downspouts.

3.3 CLEANING A. Immediately upon completion of this work, remove from site all debris and scrap

material and clean up all dust and dirt resulting from this work.

END OF SECTION

SHEET TITLE **SPECIFICATION**

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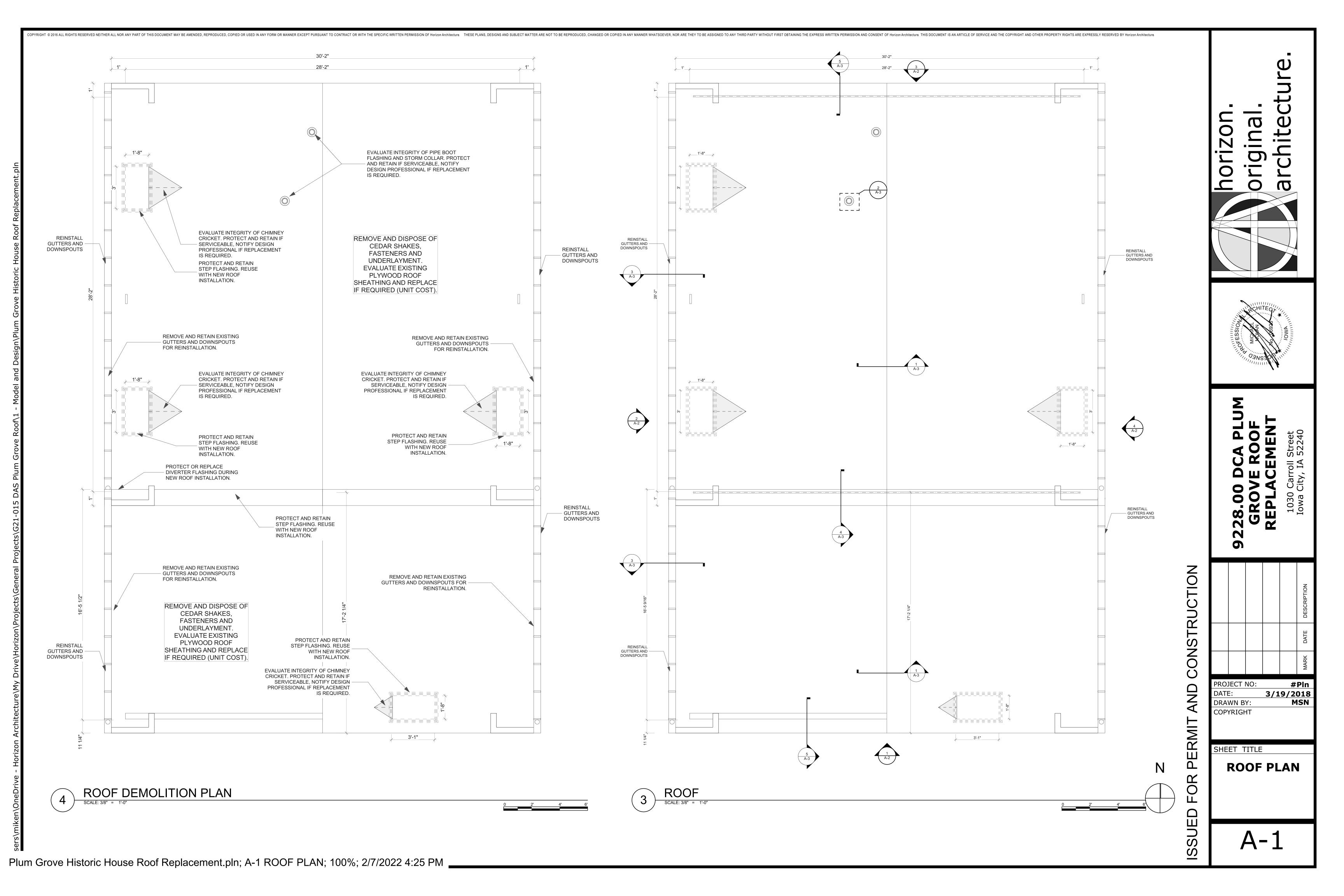
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Plum Grove Historic House Roof Replacement.pln; A-2 ELEVATIONS; 100%; 2/7/2022 4:25 PM

A-2

ELEVATIONS

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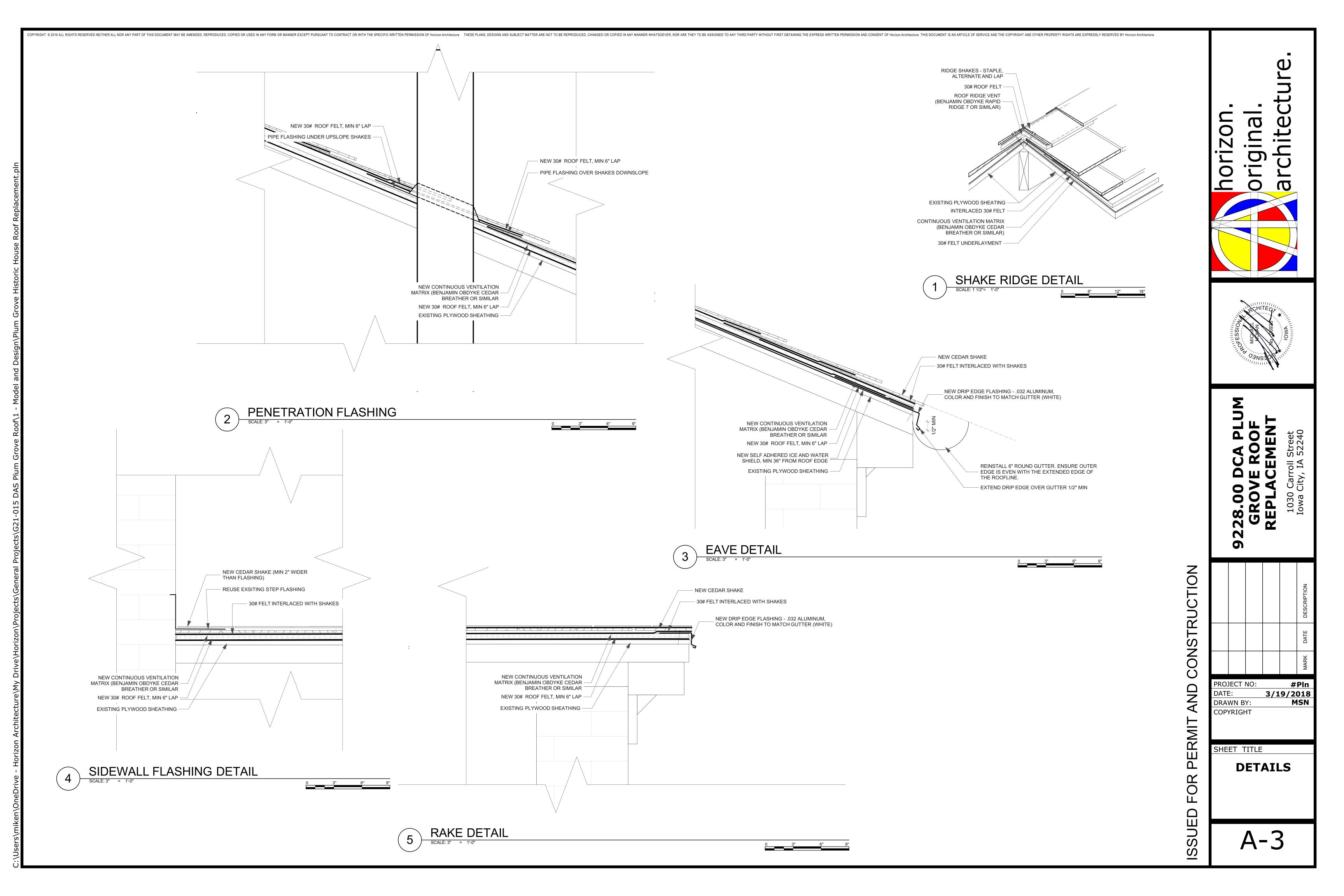


Exhibit C Facility Work Requirements

Plumb Grove Roofing Replacement 1030 Carroll St., Coralville, IA 52240 Request for Quote RFQ922800-01

Due Thursday, March 10, at 2:00 PM (CT)

PROJECT INFORMATION

- A. Facility Name/Location: Plumb Grove, 1030 Carroll St., Coralville, IA 52240
- B. DAS Project #: 9228.00
- C. Owner: The State Historical Society of Iowa
- D. Owner's Representative: James Trower, Iowa Department of Administrative Services, 109 SE 13th Street, Des Moines, IA 50319
- E. Construction Manager: Brian Polzin, The Samuels Group, 2929 Westown Parkway, Suite 200, West Des Moines, Iowa 50266

WORK HOUR RESTRICTIONS

A. Work hours are from 7:00 AM to 5:30 PM, Monday through Friday unless arrangements are made in advance. No work shall be allowed on days recognized by State of Iowa as holidays.

CONTRACTOR USE OF SITE AND PREMISES

Construction Operations: Removal of the shake roofing, Work extends will be limited to the existing building area.

Provide access to and from site as required by law and Owner:

- 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
- 2. Do not obstruct roadways, sidewalks, or other public ways without permission of Owner and permit if required.

Facility may be occupied at times during construction. Contractor personnel shall always conduct themselves in an agreeable manner. Failure to do so may result in removal from the work site.

OWNER OCCUPANCY

- A. Owner intends to occupy the Project upon Substantial Completion.
- B. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- C. Schedule the Work to accommodate Owner occupancy.

RULES FOR CONSTRUCTION WORKERS

- A. The staff of the State of Iowa has a responsibility to protect the public by providing a secure environment. All work site rules must be followed to the letter, at all times.
- B. Hot Work Permit Processes and Fire Watch, when necessary, will be adhered to for this project.
- C. All State properties are tobacco free. No smoking will be permitted or tolerated on campus unless in designated areas.
- D. You are permitted access only to the work site and no other area of the property.

- E. No drugs, alcohol, or firearms are allowed on the work site.
- F. Do not leave money, drugs, alcohol, or firearms in your personal vehicle.
- G. Company and personal vehicles are to be parked and locked in designated or authorized area of the work.
- H. Secure all tools at the end of the day.
- I. Maintain control of all tools, supplies, and debris at all times during the work.
- J. Never leave keys in any vehicle.
- K. Secure all tools at the end of each day.
- L. All delivery vehicles must go directly to the job site.
- M. Contractor should figure using their own generator for power.
- N. Owner will provide water if needed.
- O. Contractor to provide a temporary toilet for the duration of the project.

Exhibit D Sample Certification of Insurance

Plumb Grove Roofing Replacement 1030 Carroll St., Coralville, IA 52240 Request for Quote RFQ922800-01

Due Thursday, March 10, at 2:00 PM (CT)

ACORD

SAMPLE

CERTIFICATE OF LIABILITY INSURANCE

DATE (MMIDDIYYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

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INSURED						INSURER B:	Carriers				
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