15-290 EXHIBIT A

PROJECT MANUAL
FOR

County of Summit

County Courthouse Window Re-Painting
209 South High Street
Akron, Ohio

TC
ARCHITECTS

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TC PROJECT NO: 65-A-15

DATE: 05/27/2015

SECTION 09 9113

EXTERIOR PAINTING

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Temporary protections and controls

B. Surface preparation and the application of paint systems on existing wood windows.

C. Removal and replacement of deteriorated caulking at window perimeters.

1.2 RELATED DOCUMENTS

A. The attached Drawings A-11 through A-15, dated 9-17-84, prepared by Curtis & Rasmussen Architects, are provided for reference only. Each Bidder is responsible for first-hand field-verification of dimensions and existing conditions and shall account for such in its bid.

1.3 SPECIAL PRICING PROCEDURES

A. The Bidder shall include in the Bid the Sum of Five Thousand Dollars ($5000) for material and labor to replace deteriorated wood as needed and as approved by the Owner during the course of the Project. Upon Project completion, the Contract will be adjusted accordingly.

1.4 SUBMITTALS

A. Retain technical data sheets for each specified product.

1. Include preparation requirements and application instructions.
2. Retain data for future reference.

B. Samples for Initial Selection: For each type of topcoat product.

C. Samples for Verification: For each type of paint system and each color and gloss of topcoat.

1. Submit Samples on rigid backing, 8 inches (200 mm) square.
2. Step coats on Samples to show each coat required for system.
3. Label each coat of each Sample.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to Project site in an undamaged condition in manufacturer's original sealed containers, complete with labels and instructions for handling, storing, unpacking, protecting, and installing. Packaging shall bear the manufacturer's label.

B. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F (7 deg C).

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

1.6 WARRANTY

A. Special Installer's Warranty: Installer agrees to repair or replace joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
   1. Warranty Period: **Two** years from date of Substantial Completion.

B. Special Manufacturer's Warranty: Manufacturer agrees to furnish joint sealants to repair or replace those joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
   1. Warranty Period: **Five** years from date of Substantial Completion.

C. Special warranties specified in this article exclude deterioration or failure of joint sealants from the following:

   1. Movement of the structure caused by stresses on the sealant exceeding sealant manufacturer's written specifications for sealant elongation and compression.

   2. Disintegration of joint substrates from causes exceeding design specifications.

   3. Mechanical damage caused by individuals, tools, or other outside agents.

   4. Changes in sealant appearance caused by accumulation of dirt or other atmospheric contaminants.

PART 2 - PRODUCTS

2.1 PAINT, GENERAL

A. Material Compatibility:

   1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.

   2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.

2.2 PAINT PRODUCTS

A. Sherwin Williams Products specified below or equivalent formulations manufactured by one of the following:

   1. Benjamin Moore & Co.
   2. Glidden Professional manufactured by PPG Architectural Finishes, Inc.

B. Basis-of-Design Product: Pigmented Polyurethane over Epoxy Zinc-Rich Primer System:

   1. Prime Coat: Primer, zinc-rich, epoxy: S-W Zinc Clad III HS, at 3.0 to 5.0 mils dry, per coat.

2. Intermediate Coat: Primer, epoxy, anti-corrosive, for metal: S-W Macropoxy 646-100, B58-600 Series, B73-620 Series, at 5 to 10 mils dry, per coat.

3. Topcoat: Polyurethane, two-component, pigmented, gloss: S-W Waterbased Acrolon 100 Polyurethane, B65-720 Series, at 2.0 to 4.0 mils dry, per coat.

4. Latex System:

   a. Prime Coat: Primer, latex for exterior wood.

   b. Intermediate Coat: Latex, exterior, matching topcoat.

   c. Topcoat: Latex, exterior, semi-gloss: S-W Solo Acrylic Semi-Gloss, A76 Series, at 4.0 mils wet, 1.5 mils dry, per coat.

2.3 SEALANTS

A. Urethane, S, NS, 50, NT: Single-component, nonsag, nontraffic-use, plus 50 percent and minus 50 percent movement capability, hybrid urethane joint sealant; ASTM C 920, Type S, Grade NS, Class 50, Use NT.

1. Basis-of-Design Product: Subject to compliance with requirements, provide The Sherwin-Williams Company; Stampede-100 or comparable product by one of the following:

   a. BASF Construction Chemicals, LLC, Building Systems.

   b. Sika Corporation U.S.

   c. Tremco Incorporated.

B. Sealant Backing Material, General: Nonstaining; compatible with joint substrates, sealants, primers, and other joint fillers; and approved for applications indicated by sealant manufacturer based on field experience and laboratory testing.

C. Primer: Material recommended by joint-sealant manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate tests and field tests.

D. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any way, and formulated to promote optimum adhesion of sealants to joint substrates.

E. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work. Verify

suitability of substrates, including surface conditions and compatibility with existing finishes and primers.

B. Substrate Conditions:

1. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:

a. Wood: 15 percent.

C. Proceed with coating application only after unsatisfactory conditions have been corrected; application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

A. Take proper measures to prevent paint from staining adjacent surfaces. Prevent over-spray from contacting cars, adjacent buildings and other items in the vicinity of the work.

B. Comply with manufacturer's written instructions and recommendations applicable to substrates and paint systems indicated.

C. Remove hardware, covers, plates, light fixtures, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.

1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection.

D. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.

1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.

E. Wood Substrates:

1. Scrape and clean knots. Before applying primer, apply coat of knot sealer recommended in writing by topcoat manufacturer for exterior use in paint system indicated.
2. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.

F. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions and the following requirements:

1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.

G. Joint Priming: Prime joint substrates where recommended by joint-sealant manufacturer or as indicated by preconstruction joint-sealant-substrate tests or prior experience. Apply primer to comply with joint-sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces.

3.3 FIELD CONDITIONS

A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F (10 and 35 deg C).

B. Do not apply paints in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.

3.4 PAINT APPLICATION

A. Apply paints according to manufacturer's written instructions and recommendations.

B. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

C. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

3.5 INSTALLATION OF JOINT SEALANTS

A. General: Comply with joint-sealant manufacturer's written installation instructions for products and applications indicated, unless more stringent requirements apply.

B. Sealant Installation Standard: Comply with recommendations in ASTM C 1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.

C. Install sealant backings of kind indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.

1. Do not leave gaps between ends of sealant backings.

2. Do not stretch, twist, puncture, or tear sealant backings.

3. Remove absorbent sealant backings that have become wet before sealant application, and replace them with dry materials.

D. Install bond-breaker tape behind sealants where sealant backings are not used between sealants and backs of joints.

E. Install sealants using proven techniques that comply with the following and at the same time backings are installed:

1. Place sealants so they directly contact and fully wet joint substrates.

2. Completely fill recesses in each joint configuration.

3. Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.

F. Tooling of Nonsag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants according to requirements specified in subparagraphs below to form smooth, uniform beads of configuration indicated; to eliminate air pockets; and to ensure contact and adhesion of sealant with sides of joint.

1. Remove excess sealant from surfaces adjacent to joints.

2. Use tooling agents that are approved in writing by sealant manufacturer and that do not discolor sealants or adjacent surfaces.

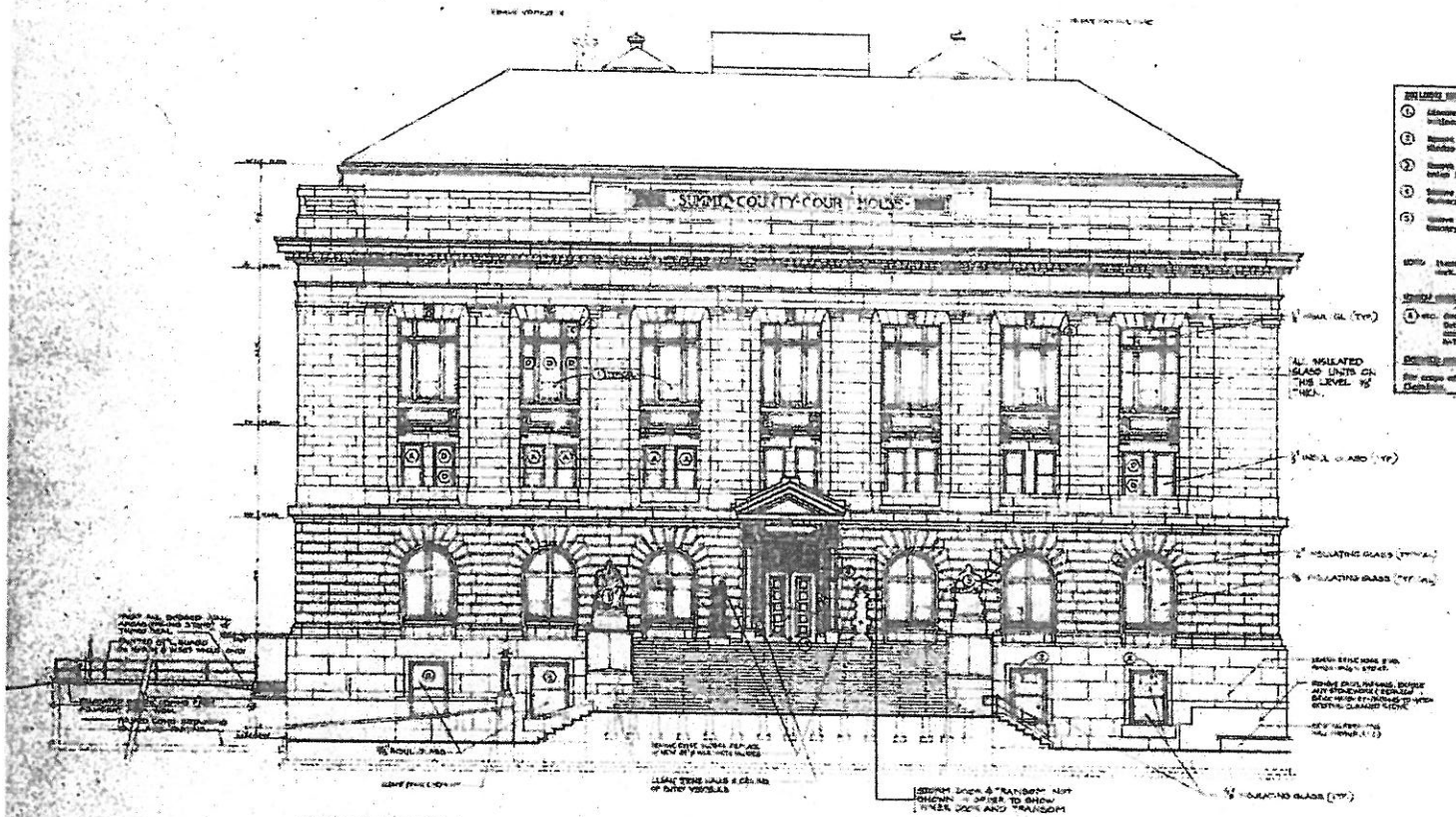
3. Provide concave joint profile per Figure 8A in ASTM C 1193 unless otherwise indicated.

3.6 CLEANING AND PROTECTION

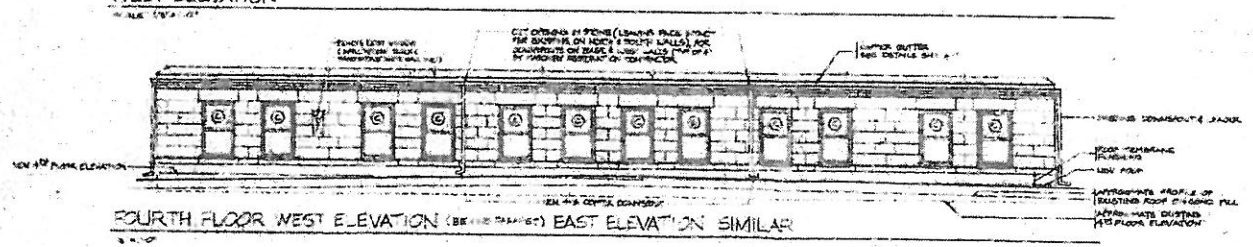
A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

B. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

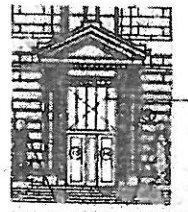
END OF SECTION 099113



WEST ELEVATION



FOURTH FLOOR WEST ELEVATION (BEYOND DASHED) EAST ELEVATION SIMILAR



STORM DOOR ELEVATION

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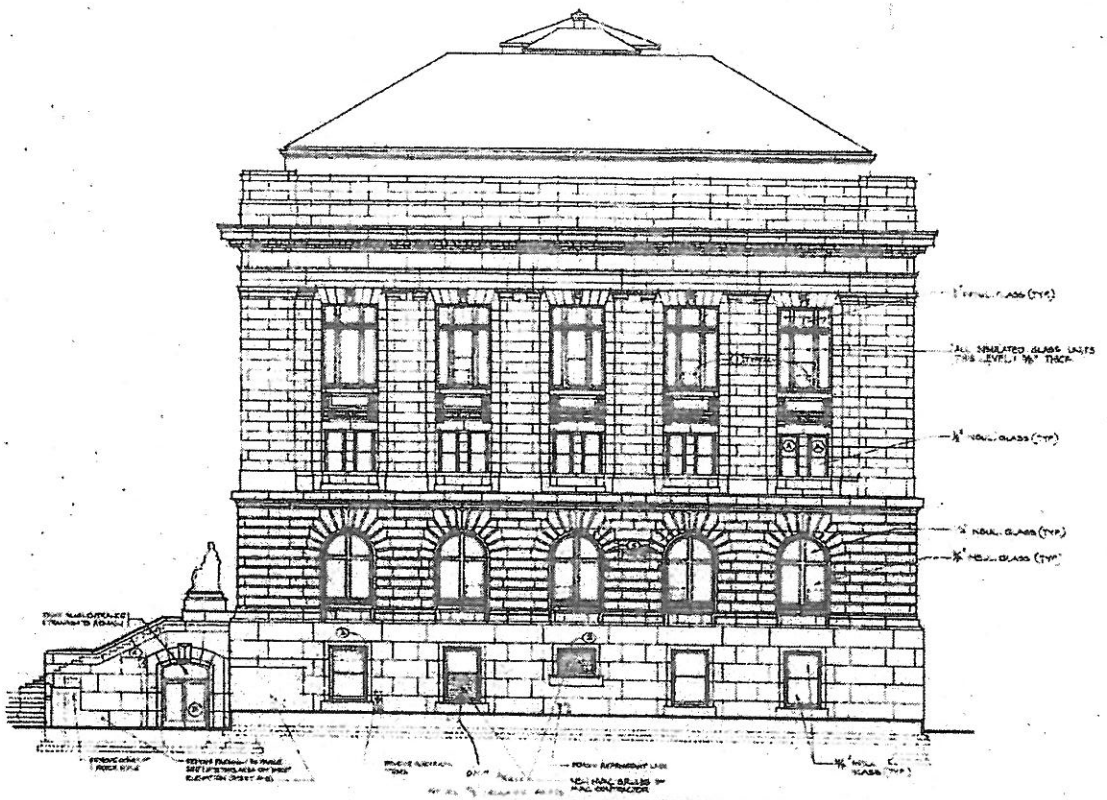
WEST ELEVATION
MAIN BUILDING

SUMMIT COUNTY
COURTHOUSE
RENOVATION

Sheet
A-8



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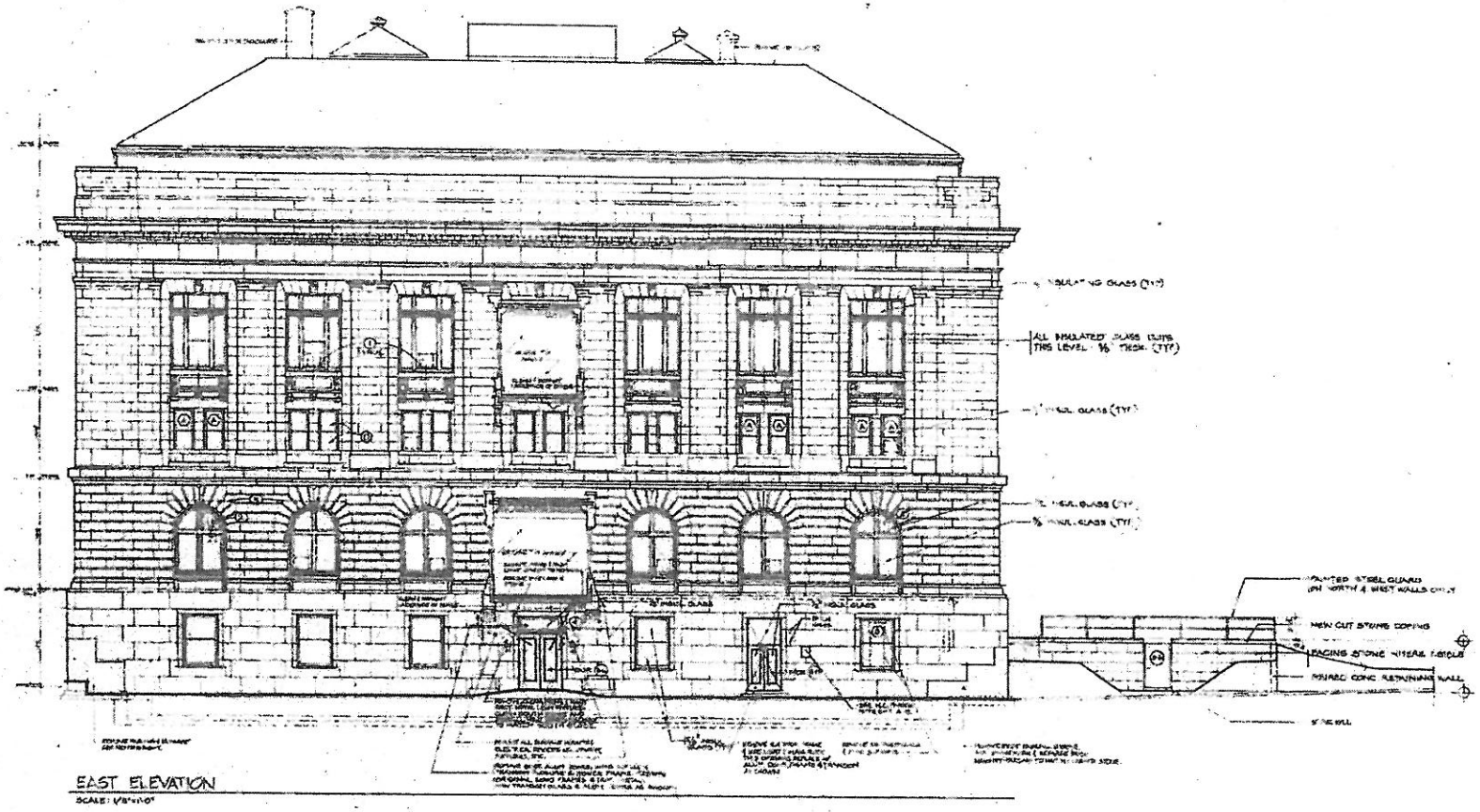
SOUTH ELEVATION
MAIN BUILDING

SUMMIT COUNTY
COURTHOUSE
RENOVATION

Sheet
A-9



EAST ELEVATION

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

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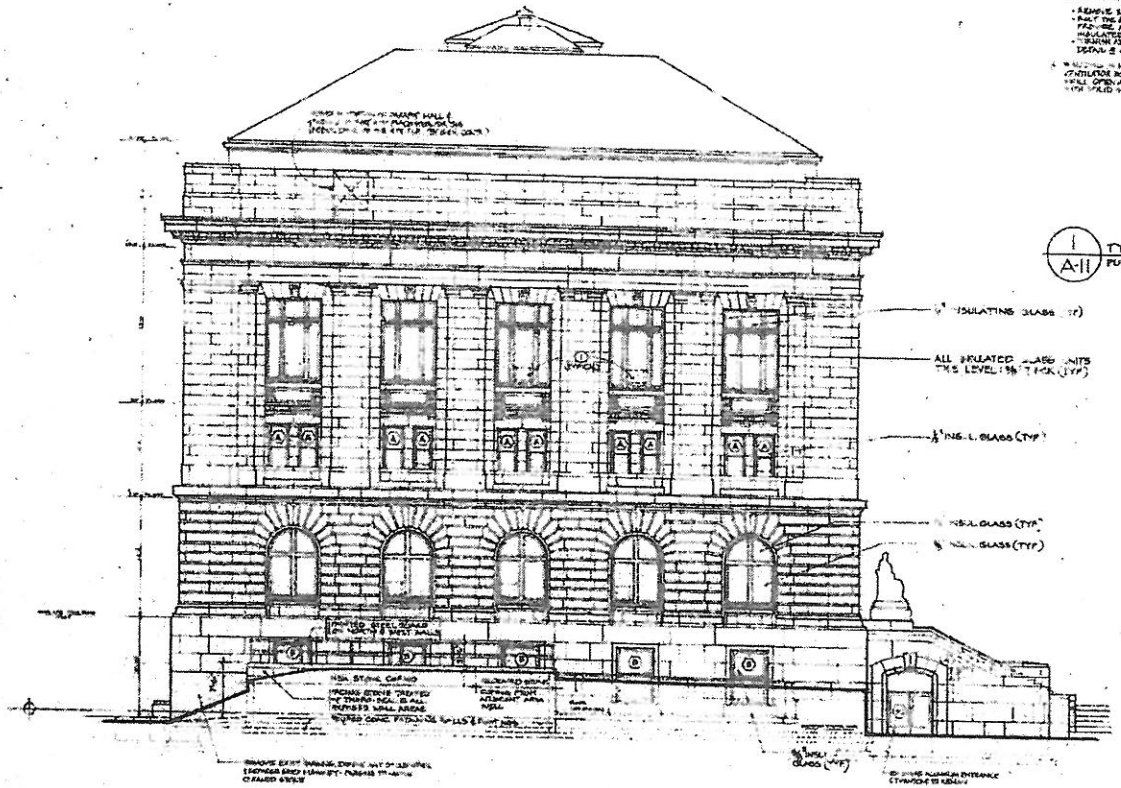
EAST ELEVATION
MAIN BUILDING

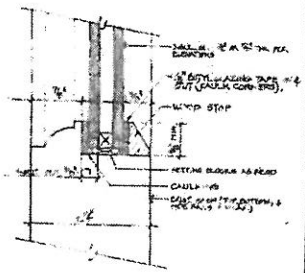
SUMMIT COUNTY COURTHOUSE RENOVATION

A-10



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

REGLAZING OF EXISTING WINDOWS



1 / A-11 TYPICAL DETAIL @ EXISTING WINDOWS TO BE REGLAZED
FULL SCALE

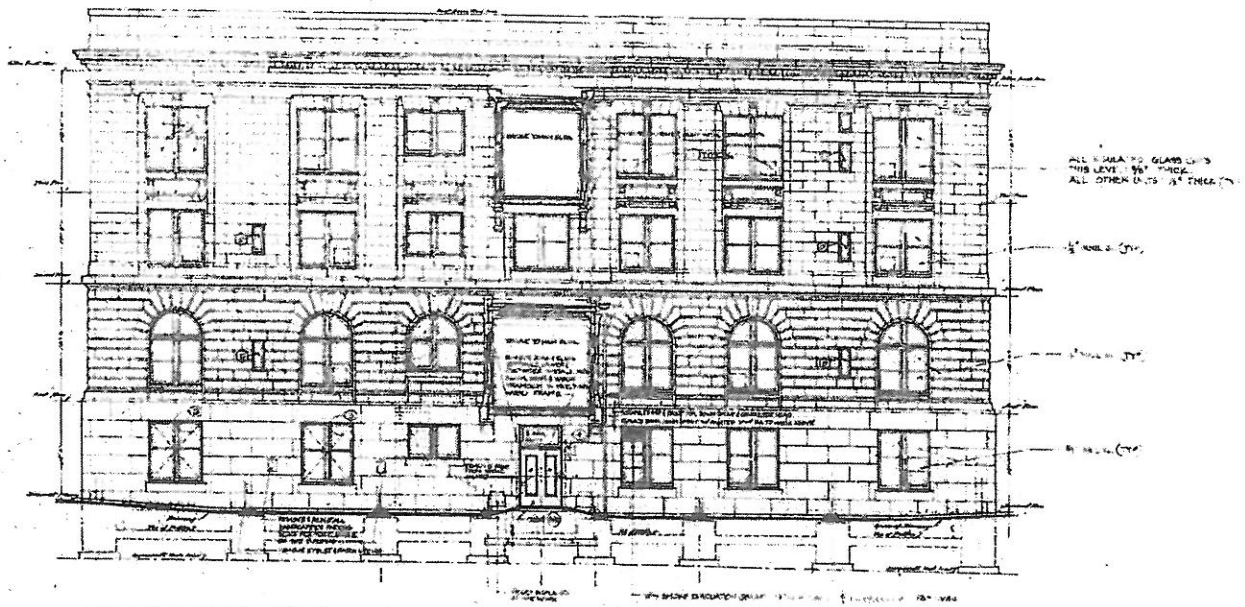
Curtis & Rasmussen Architects
C&R

Job Number 82-726
Date 4-17-84
Revisions

NORTH ELEVATION
MAIN BUILDING
& WINDOW DETAILS

SUMMIT COUNTY
COURTHOUSE
RENOVATION

Sheet
A-11



WEST ELEVATION-ANNEX

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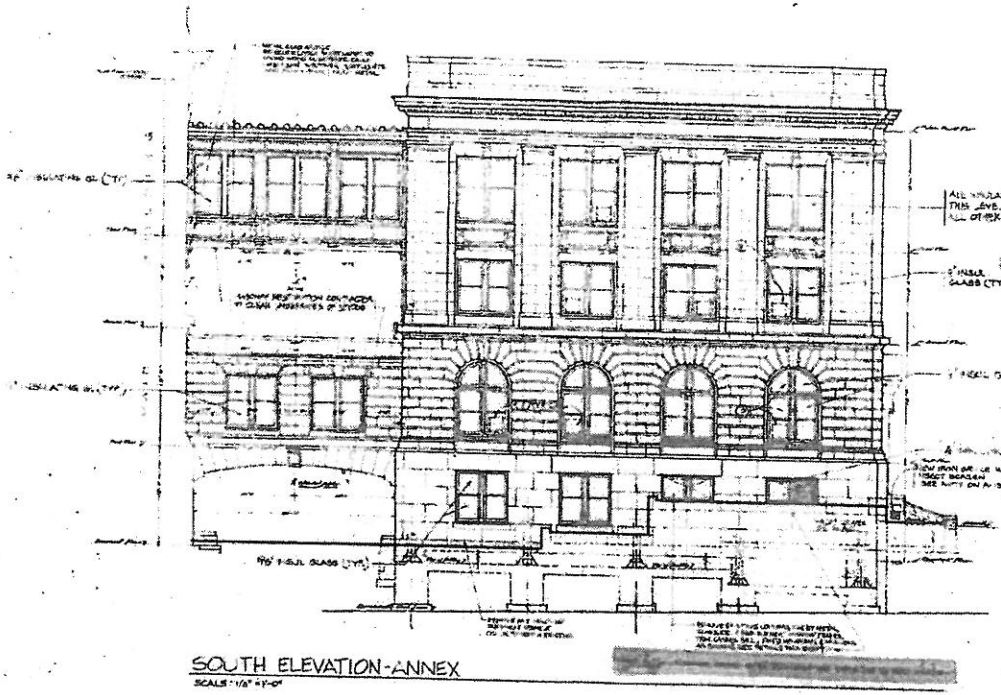
WEST ELEVATION – ANNEX

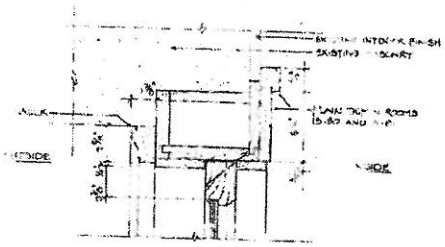
SUMMIT COUNTY COURTHOUSE RENOVATION

A-12



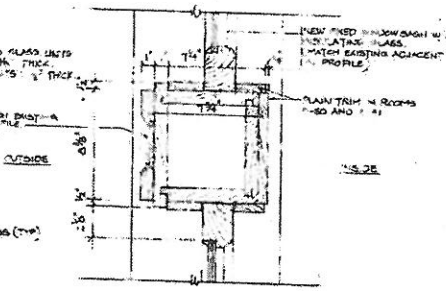
SOUTH ELEVATION-ANNEX

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



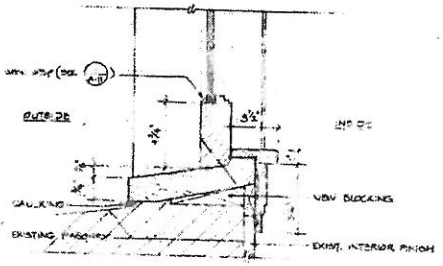
1 / A-13 HEAD DETAIL - (JAMB SIM LAR) ANNEX BLDG. - BASEMENT WINDOW

SCALE: 3" = 1'-0"



2 / A-13 MULLION DETAIL ANNEX BLDG. - BASEMENT WINDOW

SCALE: 3" = 1'-0"



3 / A-13 SILL DETAIL ANNEX BLDG. - BASEMENT WINDOW

SCALE: 3" = 1'-0"

GENERAL NOTES FOR DETAILS 1, 2 & 3 ABOVE

1. ALL TRIM, FRAMING, SASH, MULLIONS, ETC. SHALL MATCH EXISTING IN PROFILE AND SIZE - VERIFY DIMENSIONS AND PROFILES SHOWN.
2. ALL WOOD TO BE PRIMED & PAINTED.
3. CAULK SASH TO FRAME.

FOR ADDITIONAL WINDOW DETAILS, SEE SHEET A-12

Curtis & Rasmussen Architects

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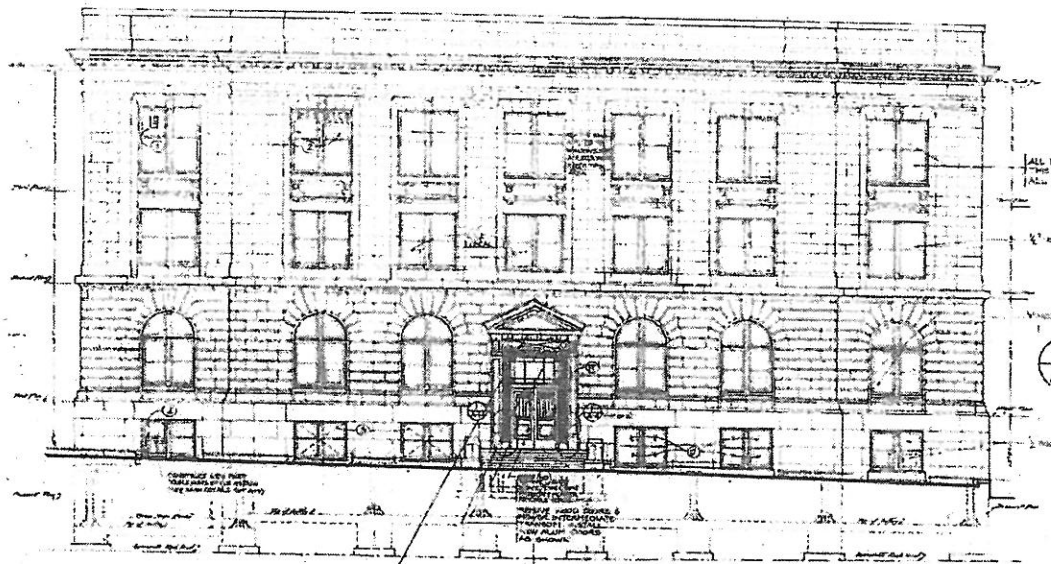
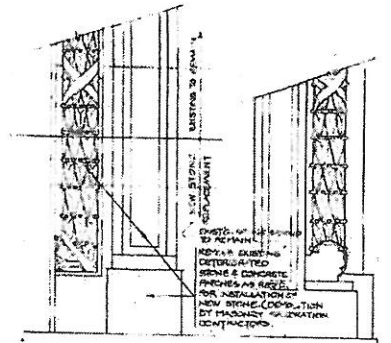
SUMMIT COUNTY COURTHOUSE RENOVATION

SOUTH ELEVATION-ANNEX AND WINDOW DETAILS

Sheet A-13



EAST ELEVATION - ANNEX



1 / A-14 STONE REPLACEMENT DETAILS @ EAST ENTRANCE OF ANNEX

SCALE: 3/4" = 1'-0"

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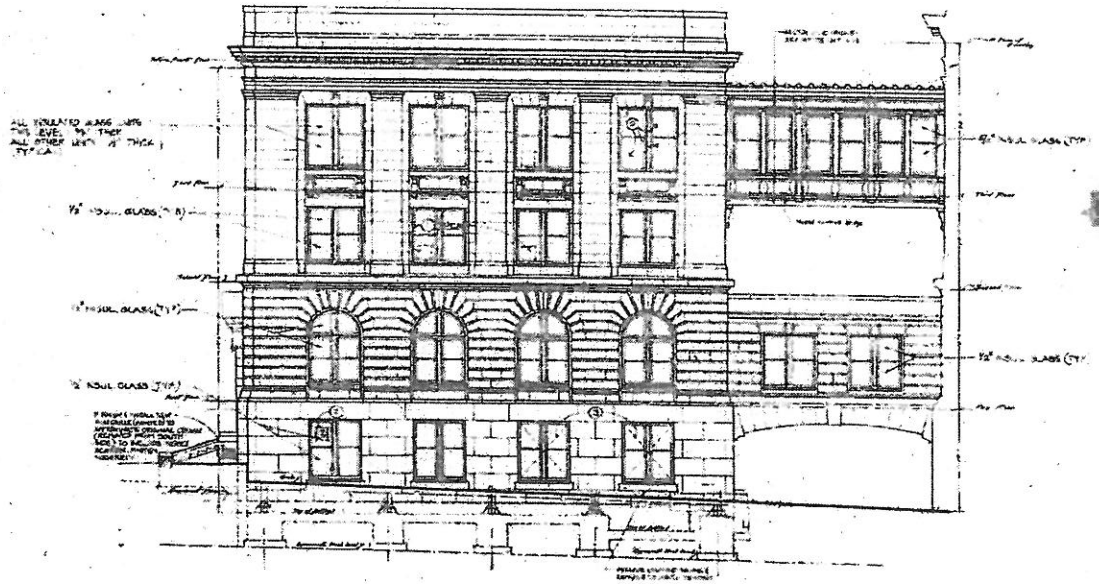
EAST ELEVATION - ANNEX AND DETAILS

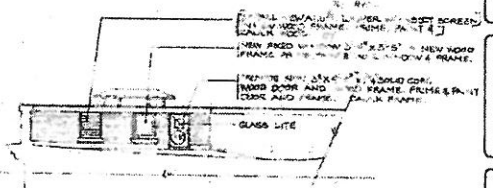
SUMMIT COUNTY COURTHOUSE RENOVATION

A-14



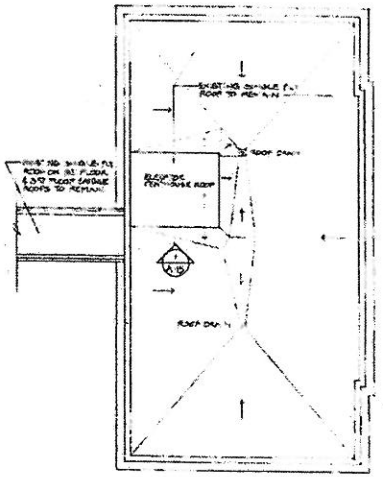
NORTH ELEVATION-ANNEX

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



1 / A-15 ELEV. - SOUTH WALL OF ELEVATOR PENTHOUSE

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



ANNEX ROOF PLAN

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

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SUMMIT COUNTY COURTHOUSE RENOVATION

NORTH ELEVATION-ANNEX

Sheet A-15