



ANGUS-YOUNG

ARCHITECTS/ENGINEERS

Marathon County Jail Re-Roofing
500 Forest Street
Wausau, WI 54403
Angus Young Associates Project No. 69240

ADDENDUM #01

Friday, Friday, March 20, 2020

This addendum is issued to modify, explain or correct the original Drawings, Specifications, and Addenda marked Project Description, **Marathon County Jail Re-Roofing** dated **2/20/2020** and hereby made part of the contract documents. This addendum consists of **(01)** page(s) of text, **(03)** Specification(s) and **(01)** drawings(s). Please attach his Addendum to the Drawings and Project Manual in your possession.

Bid Date:

All bids must be received on March 24, 2020 02:00 PM (CST)

Attn: Mr. Craig Christians, Facility Planner, Marathon County, 1000 Lakeview Drive, Suite 300 Door (#27) Wausau, WI 54401. ****There will be a cabinet placed in the vestibule for bids to be placed in. Bids will be read publicly outside the office in the parking lot.****

General Notes:

- A. All contractors are required to submit certain documents with their bids.
 - a. Substitution Listing (if any) Section 00 26 00
 - b. Bid Form Section 00 41 13
 - c. Bid Bond (10%) Section 00 43 13
 - d. Affidavit and Statement on Plans & Specifications Section 00 48 10

Failure to submit all forms, completed in their entirety, shall be grounds for rejection of the bid.

- B. Refer to the attached documents from the pre-bid walk thru.
 - a. Attendees Sign in Sheet
- C. Each contractor when applicable is responsible for City of Wausau Permit Fees.
- D. Duro-Last, Duro-Tuff is an approved substitution.

Specifications:

A. Section 01 33 00 Submittal Procedures:

- 1. Refer to the attached specification.

B. Section 05 51 00 Metal Stairs and Ladders:

- 1. Refer to the attached specification.

C. Section 07 53 24 Fully Adhered TPO Roofing:

- 1. Disregard 2.05 Mechanical Fasteners, installation to be as indicated under 2.07 Roof Insulation using a low-rise adhesive.

D. Section 09 90 00 Paints and Coatings:

- 1. Refer to the attached specification.

Drawings:

A. Sheet A101 New Roof Plan:

- 1. Revised to illustrate equipment guard rail as indicated. Per detail 04/A101.

End of Addendum

**SECTION 01 33 00
SUBMITTAL PROCEDURES**

PART 1 - GENERAL

1.01 SUMMARY

- A. Wherever possible throughout the Contract Documents, the minimum acceptable quality of workmanship and materials has been defined by manufacturer's name and product catalog number, reference to recognized industry and government standards, or description of required attributes and performance. To ensure that the specified products are furnished and installed in accordance with design intent, procedures have been established for advanced submittal of design data and its review by the Architect/Engineer. Make all submittals in strict accordance with the procedures defined in this Section.
- B. Related Sections
 - 1. Individual requirements for submittals are described in the pertinent Sections of these Technical Specifications.
 - 2. Division 0 Section 00 73 00 - Supplementary Conditions.
 - 3. Division 1 Section 01 78 36 - Warranties

1.02 SUBMITTAL REQUIREMENTS

- A. Make all submittals required by the Contract Documents, revise, and re-submit as necessary to establish compliance with the specified requirements.
- B. Each submittal shall contain the number of copies which are required to be returned, plus three copies which will be retained by the Architect/Engineer unless indicated otherwise in other portions of this Section.
 - 1. Alternatively, a single electronic copy in Adobe Acrobat format can be submitted if allowed by the Architect/Engineer. Required samples and final component submittals cannot be submitted electronically. Only electronic copies will be returned (no paper copies).
- C. Each submittal shall indicate project name and location, Architect/Engineer contact information, and Contractor contact information. Contact information shall include name, project number, address, telephone and facsimile numbers.
- D. Additional Submittal Requests
 - 1. The Architect/Engineer may request additional supporting data at any time to help determine compliance of submittals with the Contract Documents.

1.03 QUALITY ASSURANCE

- A. Qualifications
 - 1. Professional or Structural Engineer Qualifications:
 - a. Legally authorized to practice in the jurisdiction where the project is located and who is experienced in providing engineering services to the kind indicated that have resulted in installations similar to those required on this project and with a record of successful in-service performance.
- B. Review and Coordination of Submittals
 - 1. Prior to each submittal, carefully review and coordinate all aspects of each item being submitted including, but not necessarily limited to:
 - a. Determine and verify all interface conditions, catalog numbers, and similar data.
 - b. Coordinate with other trades as required.
 - c. Clearly indicate all deviations from requirements of the Contract Documents.
 - 2. Verify the submittal contains all required information. Partial submittals will not be accepted.

3. Verify dimensions and completeness of each submittal. The Architect/Engineer review is limited as defined in the General Conditions of the Contract for Construction and does not include dimensions and items not included on the submittals.
4. All corrections to submittals shall be made directly on the submittal literature or drawings (not loose leaf documents) and shall be copied word for word to all copies.
5. Verify that each item and the submittal conforms in all respects with the requirements of the Contract Documents
6. Attach the Contractor's stamp of approval and signature to each submittal to certify that this coordination has been performed. Submittals transmitted to the Architect/Engineer without the Contractor's stamp will be returned without review, and shall be re-submitted when the Contractor's review has been completed and the stamp applied.

1.04 TIMING OF SUBMITTALS

A. General

1. Submittals shall be made far enough in advance of scheduled dates for installation to provide necessary time required for reviews, for securing necessary approvals, for possible revisions and re-submittals, and for placing orders and securing delivery.
2. The Contractor shall make the required submittals within the time required to meet the construction schedule or shall present, in writing, valid reasons for any delay. It shall be the contractor's responsibility to ensure that delivery of the submittals to the Architect/Engineer has been completed.
3. Obtain acceptance of all submittals prior to fabrication.

PART 2 - PRODUCTS

2.01 SUBMITTAL SCHEDULE

A. General

1. Compile a complete and comprehensive schedule of all submittals anticipated to be made during progress of the Work. Include a list of each item for which shop drawings, product data, samples, certificates of compliance, warranties, or other types of submittals are required. The Contractor shall adhere to the schedule except when specifically otherwise permitted in writing by the Architect/Engineer. The Contractor's failure to submit the aforementioned schedule will be grounds for withholding certification of payment.

B. Coordination

1. Coordinate the schedule with all necessary subcontractors and material suppliers to ensure their understanding of the importance of adhering to the approved schedule and their ability to so adhere. Coordinate as required to ensure the grouping of submittals as described below.

2.02 SHOP DRAWINGS

- A. Sufficient data in each set of shop drawings shall be included to permit a detailed study of the system submitted.
- B. Scale and Measurements: Make all shop drawings accurately to a scale sufficiently large to show all pertinent aspects of the item and its method of connection to the Work.
- C. Maximum sheet size for shop drawings shall be 24" by 36".
- D. Shop drawings shall be specially drawn for this Project, including detailed erection and production drawings, setting drawings, diagrammatic drawings, material schedules, and samples. Copying the Architect/Engineer drawings is not permitted.
- E. Shop drawings for all equipment in a given system shall be submitted at one time, with each complete set in a separate brochure.

- F. Each sheet of shop drawings shall identify the Project name and location; the Architect/Engineer's name, Architect/Engineer's Project number, and contact information including address, telephone, and facsimile numbers; and the Contractor's name, Contractor's project number, and contact information including address, telephone, and facsimile numbers. In addition to the Contractor, the subcontractor/fabricator/manufacturer name, project number, and contact information shall be indicated.
- G. All shop drawings shall be numbered in consecutive sequence, and each sheet shall indicate the total number of sheets in the set. Each set shall be bound.
- H. Each sheet shall indicate the date issued and any revisions. If the submittal is permitted to be phased or revisions are made, the provisions for phased submittals below shall be followed.
- I. The shop drawings shall indicate types, shapes and sizes, and finishes of all materials. Where a shop coat of paint/primer is required, its brand name and manufacturer's identification number of type shall be indicated.
- J. Erection Drawings - Detail product installation including:
 - 1. Each member's designation (identification or piece mark), shape and size shall be clearly indicated and completely dimensioned.
 - 2. Plans and elevations shall locate each member by designation, define all work provided, and indicate sequence of erection for stability, handling requirements, or for other special conditions.
 - 3. Sections and details shall show member connections and relationship of members to adjacent materials, to the structure, and other construction.
 - 4. Indicate all loading used in the design
- K. Production Drawings - Detail product fabrication including:
 - 1. Each member's designation (identification or piece mark), shape and size shall be clearly indicated and completely dimensioned.
 - 2. Indicate methods for storage and transportation.

2.03 PRODUCT DATA

- A. General
 - 1. Submit manufacturer's literature, brochures, technical data, MSDS, etc., to permit a detailed study of the product submitted.
 - 2. Where contents of submitted literature from manufacturers include data not pertinent to the submittal, clearly indicate which portion of the contents is being submitted for review.

2.04 SAMPLES

- A. Samples shall be of the precise article proposed to be furnished.
- B. Submit two samples, unless otherwise requested.
- C. Colors and Patterns: Unless the precise color and pattern is specifically described in the Contract Documents, and whenever a choice of color or pattern is available in a specified product, submit two copies of accurate color and pattern charts to the Architect/Engineer for review and selection.

2.05 CERTIFICATES OF COMPLIANCE

- A. Certify that all materials used in the Work comply with all specified provisions thereof. Certification shall not be construed as relieving the Contractor from furnishing satisfactory materials if, after tests are performed on selected samples, the material is found not to meet specified requirements.
- B. Show on each certificate the name and location of the Project, name and address of

Contractor, quantity and date or dates of shipment or delivery to which the certificate applies, and name of the manufacturing or fabricating company. Certification shall be in the form of a letter or company-standard forms containing all required data. Certificates shall be signed by an officer of the manufacturing or fabricating company.

- C. In addition to the above information, all laboratory test reports submitted with Certificates of Compliance shall show the date or dates of testing, the specified requirements for which testing was performed, and results of the test or tests.
- D. Upon completion of the Work, and as a condition of its acceptance, submit to the Architect/Engineer all Certificates of Compliance.

2.06 WARRANTIES

- A. All warranties shall be compiled and submitted.
- B. Submit three (3) copies.

2.07 OPERATION AND MAINTAINANCE DATA

- A. All operational items of equipment require the manufacturer's operation and maintenance data information and parts lists. The information contained therein shall be in agreement with approved shop drawings, wiring diagrams, etc.

PART 3 - EXECUTION

3.01 IDENTIFICATION OF SUBMITTALS

- A. General:
 - 1. Consecutively number all submittals. Accompany each submittal with a Letter of Transmittal containing all pertinent information required for identification and checking of submittals.
 - 2. Include on the Letter of Transmittal the Technical Specification Section number under which the submittal is made.
- B. Internal Identification:
 - 1. On at least the first page of each copy of each submittal, and elsewhere as required for positive identification, clearly indicate the submittal number in which the item was included.
- C. Re-submittals
 - 1. When material is re-submitted for any reason, transmit under a new Letter of Transmittal and with a new submittal number.
- D. Submittal Log:
 - 1. Maintain an accurate submittal log for the duration of the Contract, showing current status of all submittals at all times. Make the submittal log available for the Architect/Engineer's review upon request.

3.02 COORDINATION OF SUBMITTALS

- A. Grouping of Submittals:
 - 1. Unless otherwise specified, make all submittals in groups containing all associated items to ensure that information is available for checking each item when it is received. Partial submittals may be rejected as not complying with the provisions of the Contract Documents and the Contractor shall be strictly liable for all delays so occasioned.
- B. Phasing of Submittals:
 - 1. Phasing of submittals shall not be permitted unless written permission has been given by the Architect/Engineer.

2. Phased submittals when permitted shall follow the sequence below:
 - a. First submittal
 - b. All subsequent submittals
 - i. Newly detailed items shall be easily identified with clouds around the new items (when placed on sheets that were included in the first submittal) or shall be submitted on new drawing sheets.
 - ii. When changed items are not identified on the submittal, the items will not be reviewed for conformance and the Architect/Engineer notations will not apply to the changes. Refer to the General Conditions of the Contract for Construction for changed items other than those requested by the Architect/Engineer.
- C. Transmit required submittals to the Architect/Engineer for review. After review, the Architect/Engineer will return the number of submittals required to be returned marked with notations as follows:
 1. The notations "Processed" or "Processed with Notations" authorize the Contractor to proceed with the purchase and/or fabrication of the items so noted, subject to the revisions, if any, required by the Architect/Engineer's review comments. Upon receipt, the Contractor shall have sufficient sets of prints made for distribution to appropriate subcontractors, fabricators, manufacturers, and suppliers who require them for coordination of their work.
 2. The notation "Re-submit" requires the submittal to be corrected and re-submitted. The Contractor shall not proceed with purchase and/or fabrication of items marked "Re-submit".
 3. Corrected and re-submitted items shall not be purchased and/or fabricated until the Architect/Engineer has marked the submittals "Processed" or "Processed with Notations".
- D. Revisions after Approval:
 1. When a submittal has been reviewed by the Architect/Engineer, re-submittal for substitution of materials or equipment will not be considered unless accompanied by an acceptable explanation as to why the substitution is necessary. All decisions by the Owner and Architect are final.

END OF SECTION

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**SECTION 05 51 00
METAL STAIRS AND LADDERS**

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Work Included:
1. Provide pipe guardrails, handrails complete in place as shown on the Drawings, specified herein, and needed for a complete and proper installation.

1.02 QUALITY ASSURANCE

- A. Reference Standards
- | | | |
|-----|---------------------|--|
| 1. | ASTM A 307, A 563 | Bolts & Nuts |
| 2. | FS FF-W 92 | Washers |
| 3. | FS FF-S 325 | Masonry Anchorages |
| 4. | ASTM A 242/A 242M | Steel Pans |
| 5. | AWS D 1.1-75 | Structural Welding |
| 6. | ASTM A 1011/A 1011M | Hot Rolled Carbon Steel |
| 7. | ASTM A 36/A 36M | Steel Plates, Shapes, Bars |
| 8. | ASTM A 500 | Cold-Formed Steel Tubing (Grade B) |
| 9. | ASTM A 53/A 53M | Steel Pipe (Type E or S, Grade B) |
| 10. | ASTM A 1008/A 1008M | Cold-Rolled Steel Sheets |
| 11. | ASTM A 123/A 123M | Galvanizing for Assembled Products |
| 12. | ASTM A 153/A 153M | Galvanizing for Iron and Steel Hardware. |

1.03 SUBMITTALS

- A. Comply with Section 01 33 00 of this Specification.
- B. Manufacturer's Data: For information only, submit 2 copies of manufacturer's specifications, load tables, dimension diagrams, anchor details and installation instructions for products to be used in the fabrication of steel stair work, including paint products. Indicate by transmittal that copy of instructions has been distributed to the installer.
- C. Shop drawings: Submit shop drawings for the fabrication and erection of steel stair assemblies which are not completely shown by the manufacturer's data sheets. Include plans and elevations at not less than 1" to 1' - 0" scale, and include details of sections and connections at not less than 3" to 1' - 0" scale. Show anchorage and accessory items.
- D. Submit final component design calculations and drawings as required by local, state, and federal rules and regulations applicable to work and project location. Minimum of five (5) copies shall be submitted.
- E. Submit fees for local and state review. Local and state acceptance of component design is mandatory prior to fabricating components. Submittal shall include required forms, fees, calculations, registration stamps, and signatures.

1.04 PRODUCT HANDLING STORAGE & DELIVERY

- A. Protection: Use all means necessary to protect the materials of this Section before, during and after installation and to protect the work and materials of other trades.
- B. Replacements: In the event of damage, immediately make all repairs or replacement, with the approval of the Architect/Engineer, at no additional cost to Owner.

PART 2 - PRODUCTS

2.01 MATERIALS/FABRICATION

A. General

1. Workmanship

- a. Use materials of the size and thickness shown, or if not shown, of the required size and thickness to produce adequate strength and durability in the finished product for the intended use. Work to the dimensions shown or accepted on shop drawings, using proven details of fabrication and support. Use the type of materials shown or specified for the various components of the work.
- b. Form exposed work true to line and level with accurate angles and surfaces and straight sharp edges. Ease exposed edges to a radius of approximately 1/32" unless otherwise shown. Form bent-metal corners to the smallest radius possible without causing grain separation of otherwise impairing the work.
- c. Weld corners and seams continuously and in accordance with the recommendations of AWS. Grind exposed welds smooth and flush, to match and blend with adjoining surfaces.
- d. Form exposed connections with hairline joints which are flush and smooth, using concealed fasteners wherever possible. Use exposed fasteners of the type shown, or if not shown use Phillips flat-head (countersunk) screws or bolts.
- e. Provide for anchorage of the type shown, coordinated with the supporting structure. Fabricate and space anchoring devices as shown and as required to provide adequate support for the intended use of the work.
- f. Use welding for joining pieces together, unless otherwise shown or specified. Fabricate units so that bolts and other fastenings do not appear on finish surfaces. Make joints true and tight, and make connections between parts light-proof tight. Provide continuous welds, ground smooth where exposed.
- g. Construct stair units to conform to sizes and arrangements as shown. Construct entire assembly to support a minimum live load of 100 lbs. per sq. ft., unless otherwise shown. Provide all metal framing, hangers, columns, struts, clips, brackets, bearing plates and other components as required for the support of stairs and platforms. Erect stair work to line, plumb, square, and true with runs registering level with floor and platform levels.
- h. Provide brackets and bearing surfaces as detailed and as required to anchor and contain the stairs on the supporting structure.
- i. Finishing
 - i. Shop paint all steel stair work, except those members or portions of members to be embedded in concrete or masonry, surfaces and edges to be field welded and galvanized surfaces, unless otherwise specified.
 - ii. Remove scale, rust and other deleterious materials before the shop coat of paint is applied. Clean off heavy rust and loose mill scale.
 - iii. Apply shop coat(s) of paint to fabricated metal items in accordance with requirements of SSPC-PA 1, "Paint Application Specification No. 1: Shop, Field, and Maintenance Painting of Steel" for shop painting.
 - iv. Immediately after surface preparation, brush or spray on steel primer paint, applied in accordance with the manufacturer's instructions.

B. Components

1. Fabricate strings of structural steel channels, or plates, or a combination thereof, as
2. Railings:
 - a. Wall Brackets: #1386 Malleable Iron for 1-1/2" pipe railing or equal primed steel to be finish painted under Technical Specification Section 09 90 00.
 - b. End Caps: Weld-on steel 938 for 1-1/2" pipe primed steel to be finish painted under Technical Specification Section 09 90 00.

- c. Rails and Posts: 1-1/2" diameter primed steel to be finish painted under Technical Specification Section 09 90 00.

2.02 FINISHES

- A. General:
 1. Comply with NAAMM "Metal Finishes Manual" for recommendations relative to applying and designing finishes.
 2. Finish metal fabrications after shop assembly.
- B. Shop Finish
 1. Surface Preparation:
 - a. SSPC-SP1: The Society for Protective Coatings "Surface Preparation Specification No. 1 – Solvent Cleaning" current Edition
 2. Primer:
 - a. Fast curing, universal modified alkyd, rust-inhibiting shop coat with good resistance to normal atmospheric corrosion compatibility with finish paint systems indicated, and capability to provide a sound foundation for field-applied topcoats despite prolonged exposure. Primer shall comply with all federal standards for VOC, lead, and chromate levels. Color shall be gray.
 - b. Shop prime immediately after surface preparation, applying according to manufacturer's instructions to provide a dry film thickness of not less than 2.0 mils. Use priming methods that result in full coverage of joints, corners, edges, and exposed surface.
 3. Galvanizing: For those items indicated for galvanizing, apply zinc coating by the hot-dip process complying with the following requirements:
 - a. ASTM A 153/A 153M for galvanizing hardware.
 - b. ASTM A 123/A 123M for galvanizing both fabricated and un-fabricated products made of uncoated rolled, pressed, and forged shapes, plates, bars, and strip 0.0299 inch (0.76 mm) thick or thicker.
- C. Touch-Up Painting
 1. Immediately after erection, clean field welds, bolted connections, and abraded areas of the shop paint and paint all exposed areas with the same material as used for shop painting. Apply by brush or spray to provide a minimum dry film thickness of 2.0 mils.
 2. Galvanizing Repair Paint: High-zinc-dust-content paint for galvanizing welds and repair-painting galvanized steel, with dry film containing not less than 90 percent zinc dust by weight, and complying with DOD-P-21035 or SSPC-Paint 20.
- D. Finish Painting
 1. Finish painting shall be performed under Section 09 90 00 – Paints and Coatings.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Anchorages
 1. Provide setting drawings, diagrams, templates, instructions and directions for the installation of anchorages, including concrete inserts, anchor bolts and miscellaneous items having integral anchors, which are to be embedded in concrete or masonry construction. Coordinate the delivery of such items with work at the Project site.
- B. Fastening to In-Place Construction
 1. Provide anchorage devices and fasteners where necessary for securing steel stair items to in-place construction: including, threaded fasteners for concrete and masonry inserts, toggle bolts, through-bolts, leg bolts and other connectors as required.

- C. Perform all cutting, drilling and fitting required for the installation of the miscellaneous metal items. Set the work accurately in location, alignment and elevation, plumb, level, true and free of rack, measured from established lines and levels. Provide temporary bracing or anchors in formwork for items which are to be built into concrete, masonry or similar construction.
 - 1. Fit exposed connections accurately together to form tight hairline joints. Weld connections which are not to be left as exposed joints, but cannot be shop-welded because of shipping size limitations. Grind joints smooth and touch-up shop paint coat. Do not weld, cut or abrade the surfaces of units which have been hot-dip galvanized after fabrications, and are intended for field connections.
- D. Field Welding
 - 1. Comply with AWS Code for the procedures of manual shielded metal-arc welding, the appearance and quality of welds made, and the methods used in correcting welding work.

END OF SECTION

**SECTION 09 90 00
PAINTS AND COATINGS**

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Work Included:
 - 1. All exterior and interior exposed surfaces listed on the Painting Schedule in Part 3 - Execution of this Section, in accordance with the types of finish specified herein and as shown on the Drawings.
- B. Related Work Described Elsewhere:
 - 1. Priming or priming and finishing of certain surfaces are specified to be factory performed or installer performed under pertinent other Sections.
- C. Work Not Included in This Section:
 - 1. Do not include painting which is specified under other Sections.
 - 2. Unless otherwise indicated, painting is not required on surfaces in concealed areas and inaccessible areas such as furred spaces, foundation spaces, utility tunnels, pipe spaces, and duct shafts.
 - 3. Metal surfaces of anodized aluminum, stainless steel, chromium plate, copper, bronze, and similar finished materials will not require painting under this Section except as may be specified herein.
 - 4. Do not paint any moving parts of operating units; mechanical or electrical parts such as valve operators, linkages, sinkages, sensing devices, and motor shafts, unless otherwise indicated.
 - 5. Do not paint over any required labels or equipment identification, performance rating, name, or nomenclature plates.
- D. Definitions:
 - 1. The term "paint", as used herein, means all coating systems materials including primers, emulsions, epoxy, enamels, sealers, fillers and other applied materials whether used as prime, intermediate or finish coats.

1.02 QUALITY ASSURANCE

- A. Standards:
 - 1. Comply with standards specified in this Section and as listed in Section 01 42 00.
- B. Qualification of Manufacturer:
 - 1. Product used in the work of this Section shall be produced by manufacturers regularly engaged in the manufacture of similar items and with a history of successful production acceptable to the Architect/Engineer.
- C. Qualification of Workmen:
 - 1. Provide at least one person who shall be present at all times during execution of the work of this Section, who shall be thoroughly familiar with the specified requirements and the materials and methods needed for their execution, and who shall direct all work performed under this Section.
- D. Paint Coordination:
 - 1. Provide finish coats which are compatible with the prime coats used.
 - 2. Review other Sections of these Specifications as required, verifying the prime coats to be used and ensuring compatibility of the total coating system for the various substrata.
 - 3. Provide barrier coats over incompatible primers or remove the primer and re-prime as required.

1.03 SUBMITTALS

- A. General:
 - 1. Comply with provision of Section 01 33 00.
- B. Manufacturer's Data:
 - 1. Within 15 calendar days after Award of Contract, submit:
 - a. Complete materials list of all items proposed to be furnished and installed under this Section.
 - b. Manufacturer's specifications and other data required to demonstrate compliance with the specified requirements.
- C. Samples:
 - 1. Following the selection of colors and glosses by the Architect/Engineer as described in Article 2.01.B. below, submit samples as requested for the Architect/Engineer review:
 - a. Provide two samples of each color and each gloss for each material on which the finish is specified to be applied.

1.04 PRODUCT HANDLING

- A. Delivery of Materials:
 - 1. Deliver all materials to the Project site in original, new, and unopened containers bearing the manufacturer's name and label showing the following information:
 - a. Manufacturer name; type of material
 - b. Thinning and mixing instructions.
 - c. Manufacturer's stock number and batch number
 - d. Application instructions.
 - e. Color: name and number.
 - f. Federal Spec. No., if applicable
 - g. Contents by volume of major pigment and vehicle constituents

1.05 JOB CONDITIONS

- A. Surface Temperatures:
 - 1. Do not apply solvent-thinned paints when the temperature of surfaces to be painted and the surrounding air temperatures are below 45 degrees F, unless otherwise permitted by the manufacturer's printed instructions as approved by the Architect/Engineer.
- B. Weather Conditions:
 - 1. Do not apply paint in snow, rain, fog, or mist; or when the relative humidity exceeds 85%; or to damp or wet surfaces; unless otherwise permitted by the manufacturer's printed instructions as approved by the Architect/Engineer. Applications may be continued during inclement weather within the temperature limits specified by the paint manufacturer during application and drying periods.

PART 2 - PRODUCTS

2.01 PAINT MATERIALS

- A. Design is based on the use of paint products manufactured by Devoe (ICI Dulux), Glidden (ICI Dulux), Hallman Lindsay, Pittsburgh Paints, Sherwin-Williams, Tnemec, and Diamond Vogel Paint Products and the materials of the manufacturer named in the Painting Schedule.
- B. Colors and Glosses:

1. The Architect/Engineer will select colors to be used in the various types of paint specified and will be the sole judge of acceptability of the various glosses obtained from materials proposed to be used by the Contractor.
- C. Undercoats and Thinners:
 1. Provide undercoat paint produced by the same manufacturer as the finish coat. Use only the thinners recommended by the paint manufacturer, and use only to the recommended limits. Insofar as practicable, use undercoat, finish coat, and thinner material as parts of a unified system of paint finish.
- D. Standards:
 1. Provide paint materials which meet or exceed the standards listed for each application in the Painting Schedule in Part 3 of this Section.

2.02 APPLICATION EQUIPMENT

- A. General:
 1. For application of the approved paint, use only such equipment as is recommended for application of the particular paint by the manufacturer of the particular paint, and as approved by the Architect/Engineer.
- B. Other Materials:
 1. All other materials, not specifically described, but required for a complete and proper installation of the work of this Section, shall be new, first-quality of their respective kinds, and as selected by the General Contractor subject to the approval of the Architect/Engineer.

PART 3 - EXECUTION

3.01 SURFACE CONDITIONS

- A. Inspection:
 1. Prior to installation of the work of this Section, carefully inspect the installed work of all other trades and verify that all such work is complete to the point where this installation may properly commence.
- B. Discrepancies:
 1. Do not proceed in areas of discrepancy until all such discrepancies have been fully resolved.

3.02 MATERIALS PREPARATION

- A. General:
 1. Mix and prepare painting materials in strict accordance with the manufacturer's recommendations as approved by the Architect/ Engineer.

3.03 SURFACE PREPARATION

- A. General:
 1. Perform all preparation and cleaning procedures in strict accordance with the paint manufacturer's recommendations as approved by the Architect/Engineer.
 2. Remove all removable items which are in place and are not scheduled to receive paint finish, or provide surface applied protection prior to surface preparation and painting operations.
 3. Following completion of painting in each space or area, reinstall the removed items by using workmen skilled in the necessary trades.
- B. Preparation of Wood Surfaces:
 1. Clean all wood surfaces until they are free from dirt, oil, and all other foreign substances.

2. Smooth all finished wood surfaces exposed to view, using the proper sandpaper and spackling compound. Where so required, use varying degrees of coarseness in sandpaper to produce a uniformly smooth and unmarred wood surface.
 3. Unless specifically approved by the Architect/Engineer, do not proceed with painting of wood surfaces until the moisture content of the wood is 12% or less as measured by a moisture-meter approved by the Architect/Engineer.
- C. Preparation of Metal Surfaces:
1. Thoroughly clean all surfaces until they are completely free from dirt, oil, and grease.
 2. On galvanized surfaces, use solvent for the initial cleaning and then treat the surface thoroughly with phosphoric acid etch. Remove all etching solution before proceeding.
 3. Allow to dry thoroughly before application of paint.
 4. Aluminum Conduit:
 - a. Interior, Non-Immersion
 - b. Surface Preparation: SSPC-SP1 "Solvent Cleaning", and dry.
 5. Exterior Metal, Ferrous:
 - a. Surface Preparation: SSPC-SP6 "Commercial Blast Cleaning" – Field.
 6. Interior Metal, Ferrous:
 - a. Surface Preparation: SSPC-SP3 "Power Tooled Cleaning" and Solvent Wiped Field.
 7. Steel Joists - Interior Exposure:
 - a. Surface Preparation: Clean and dry, and SSPC-SP2 "Hand Tool Cleaning" – Field.
- D. Preparation of Gypsum Wallboard Surfaces:
1. Preparation of Gypsum wallboard surfaces shall be as per the requirements in Section 09 29 00 - Gypsum Wallboard.
- E. Preparation of Concrete and Masonry Block Surfaces to be Painted:
1. Fill cracks and irregularities with portland cement grout to provide uniform surface texture.
 2. Fill concrete masonry unit surfaces with block filler.
 3. Surface shall be cured, clean, and dry.

3.04 PAINT APPLICATION

- A. General Requirements:
1. Do not apply initial coating until moisture content of surface is within limitations recommended by paint manufacturer. Test with moisture meter.
 2. Apply paint, enamel, stain, and varnish with suitable brushes, rollers, or spraying equipment.
 - a. Rate of application shall not exceed that as recommended by paint manufacturer for the surface involved less than 10% allowance for losses.
 - b. Keep brushes, rollers, and spraying equipment clean, dry, free from contaminates and suitable for the finish required.
 3. Apply stain by brush.
 4. Comply with recommendation of product manufacturer for drying time between succeeding coats.
 5. Vary slightly the color of successive coats.
 6. Sand and dust between each coat to remove defects visible from a distance of five feet.

7. Finish coats shall be smooth, free of brush marks, streaks, laps or pile up of paints, and skipped or missed areas. Finished metal surfaces shall be free of skips, voids or pinholes in any coat when tested with a low voltage detector.
- B. Inspection:
1. Do not apply additional coats until completed coat has been inspected by the Architect/Engineer.
 2. Only inspected coats of paint will be considered in determining number of coats applied.
 3. Leave all parts of moldings and ornaments clean and true to details with no undue amount of paint in corners and depressions.
 4. Make edges of paint adjoining other materials or colors clean and sharp with no overlapping.
 5. Apply primer on all work before glazing.
 6. Change colors at doors where colors differ between adjoining spaces or rooms and where door frames match wall colors.
 7. Refinish entire wall where portion of finish has been damaged or is not acceptable.
- C. Painted Work:
1. Back prime all interior trim.
 2. Runs on face shall not be permitted.
- D. Stained (and Natural) Finish:
1. Adjust natural finishes as necessary to obtain identical appearance on veneers and solid stock.
- E. Cleaning:
1. Touch-up and restore finish where damaged.
 2. Remove spilled, splashed or splattered paint from all surfaces.
 3. Do not mar surface finish or item being cleaned.
 4. Leave storage space clean and in condition required for equivalent spaces in Project.
- F. Completed work shall match the approved samples for color, texture, and coverage. Remove, refinish, or repaint all work not in compliance with specified requirements.

3.05 PAINTING SCHEDULE

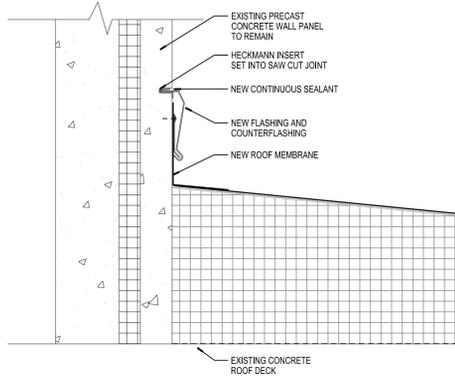
- A. General:
1. Painting required under this Section is specified herein and shown on the Drawings.
- B. Exterior Metal, Ferrous:
1. First Coat: Sherwin-Williams Kem Kromik Universal Metal Primer.
 2. Finish Coats: Two coats of Sherwin-Williams Industrial Enamel (B54Z Series).

END OF SECTION

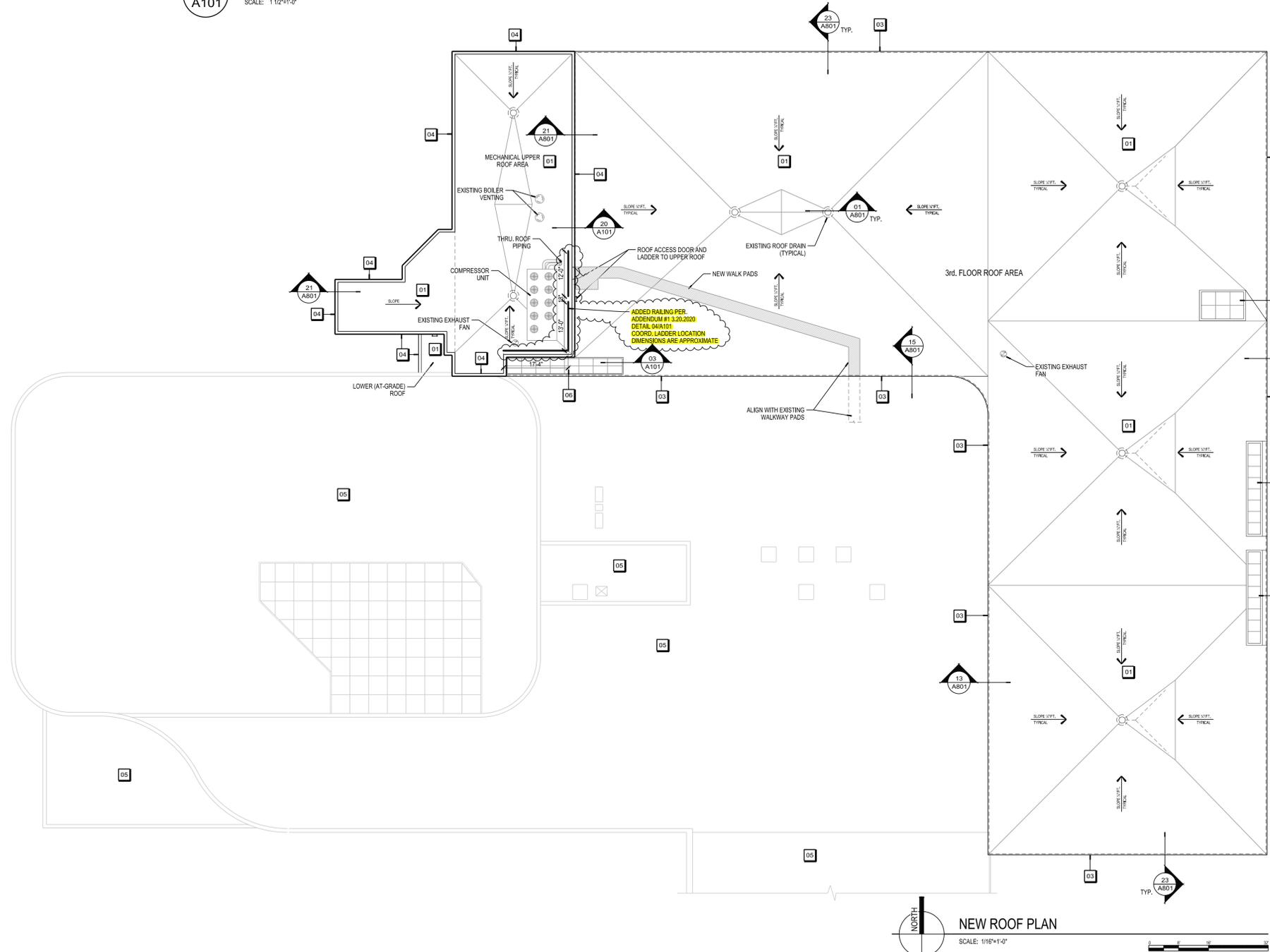
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SCALE: 1/16"=1'-0"
PLOTTED BY: jhm

ORIGINAL SIZE: 24" x 36"
X:\2020\04\05\04\01.dgn

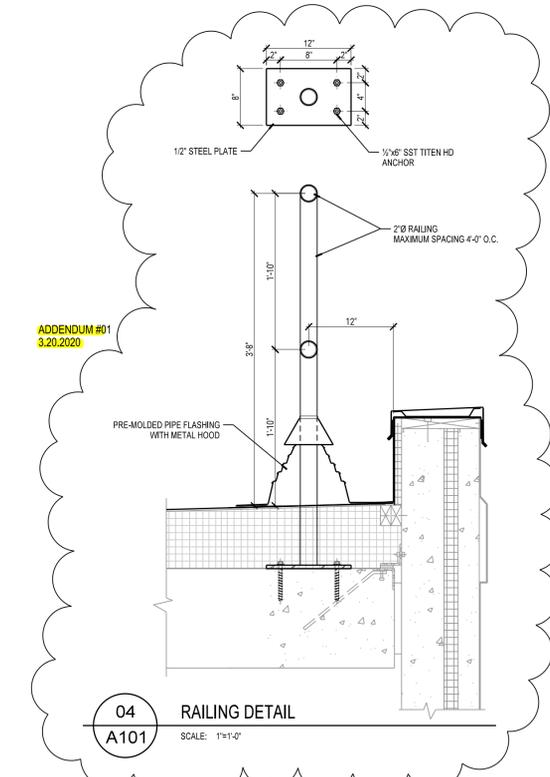


20
A101 ROOF FLASHING AT WALL
SCALE: 1 1/2"=1'-0"

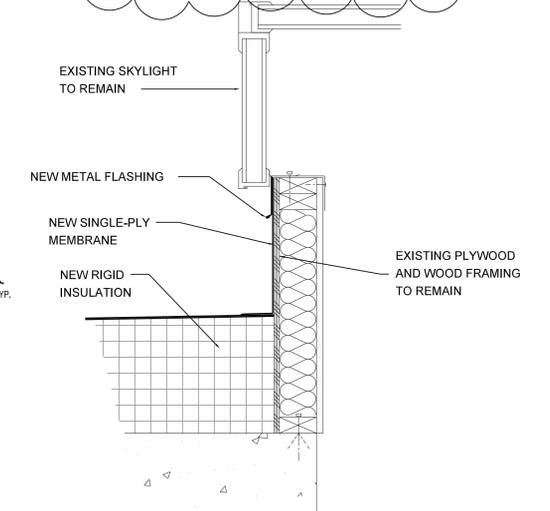


NEW ROOF PLAN
SCALE: 1/16"=1'-0"

ADDENDUM #01
3.20.2020



04
A101 RAILING DETAIL
SCALE: 1"=1'-0"



03
A101 SKYLIGHT SILL AT END PANEL
SCALE: 1 1/2"=1'-0"

KEYNOTES

- 01** NEW MEMBRANE ROOFING AND INSULATION.
- 02** NEW FLASHING.
- 03** NEW PRE-FINISHED ROOF EDGE.
- 04** NEW METAL COPING.
- 05** EXISTING ROOFING TO REMAIN.
- 06** EXISTING SKYLIGHTS TO REMAIN.

GENERAL NOTES

1. EXISTING ROOF DRAINS TO REMAIN. INSPECT AND CLEAN DEBRIS FROM ROOF DRAINS.
2. COORDINATE REMOVAL OF OBSOLETE EQUIPMENT WITH OWNER, I.E. ANTENNAS & VACATED MECHANICAL EQUIPMENT.
3. EXISTING VENT STACKS AND MECHANICAL EQUIPMENT TO REMAIN UNLESS NOTED OTHERWISE. PROTECT DURING DEMOLITION AND ADJUST AS REQUIRED WITH INSTALLATION OF NEW INSULATION AND ROOFING.

Due to electronic distribution, this drawing may not be printed to the scale indicated on the drawings. Do NOT use scale to determine dimensions or sizes.

ISSUANCES	REVISIONS
Preliminary Plan February 20, 2020	Addendum #01 3.20.2020
Bidding Documents March 5, 2020	

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Marathon County
Marathon County Jail
2020 Roof Replacement Project
Wausau, Wisconsin



PROJECT NUMBER: 89240
APPROVED BY: [Signature]
REVIEWED BY: JCT
DRAWN BY: AYA
DATE: 08/26/20

New Roof Plan
General Notes & Details

A101