

Z132-15429

ADDENDUM NUMBER 7

MILWAUKEE COUNTY  
ZOOLOGICAL GARDENS PECK WELCOME CENTER  
WALKWAY DECK REPLACEMENT  
RE-BID  
Site #355, Bldg. #4740  
10001 West Blue Mound Road  
Milwaukee, WI 53226

Project Number: Z132-15429  
Notice Number: 7153

Date of Addendum: October 3, 2016

This Addendum to the Contract Documents is issued to modify, explain or correct the original documents, dated September 1, 2016, and is hereby made part of the Contract Documents. Acknowledge receipt of this Addendum in the space provided on the Bid Form, or bid may be rejected.

PROJECT MANUAL, BIDDING DOCUMENTS, DRAWINGS, AND ADDENDUM 1 THROUGH 6

Document 00010 - Table of Contents: Delete references to Section 05 50 10 - Metal Fabrications and Installation.

Document 00100 - Invitation to Bid  
CHANGE Bid Due Date to October 12, 2016 at 2:00 P.M.

Document 00250 - Pre-Bid Meeting  
ADD the following: Another Mandatory Pre-Bid Meeting is scheduled on October 5, 2016 at 9:00 A.M. at the Zoo US Bank Gathering Place Flamingo Cafe, 10001 West Blue Mound Road, Milwaukee, WI. Bidders who attended the prior Pre-Bid Meeting are not required to attend.

Bidding Forms  
REPLACE entire set of Bid Forms with revised bidding forms attached to and issued a part of this Addendum 7 Re-Bid.

SPECIFICATIONS

Section 01230 - Alternatives  
REPLACE entire section with new section attached to the addendum and titled 01230 (Rebid) - Alternatives.

Section 05 50 10 - Metal Fabrications and Installation  
DELETE Entire Section.

Section 06 10 10 - Decking and Carpentry  
REPLACE entire section with new section attached to the addendum and titled 06 10 10(Rebid) - Decking and Carpentry.

Section 09 90 00 Painting  
REPLACE entire section with new section attached to the addendum and titled 09 90 00 (Rebid) - Painting and Coatings.

DRAWINGS

CHANGE Drawings as follows:

Delete sheets D, A3, A4, A5, A6, A7 & A8.

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Title Sheet: Delete references to sheets D, A3, A4, A5, A6, A7 & A8.

Sheet A1: Replace entire sheet with new sheet attached to the addendum.

Sheet A2: Replace entire sheet with new sheet attached to the addendum.

End of Addendum No. 7

DOCUMENT 00400  
 BID FORM  
 for  
 MILWAUKEE COUNTY  
 ZOOLOGICAL GARDENS PECK WELCOME CENTER  
 WALKWAY DECK REPLACEMENT  
 RE-BID  
 Site #355, Bldg. #4740  
 10001 West Blue Mound Road  
 Milwaukee, WI 53226

Project No. Z132-15429

Bids Due: October 12, 2016 at 2:00 P.M.

CONTRACT 1: Walkway Deck Replacement

At the Office of: MILWAUKEE COUNTY CLERK  
 Room 105 - Courthouse  
 901 North 9th Street  
 Milwaukee, Wisconsin 53233

We, \_\_\_\_\_  
 (A Corporation)(A Partnership)(An Individual)-(Cross Out Inapplicable)

of \_\_\_\_\_  
 Street

\_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code

\_\_\_\_\_ Telephone No. \_\_\_\_\_ Fax Number \_\_\_\_\_ email address

hereby agree to execute contract and furnish a satisfactory surety bond in the amount specified to complete the above project in strict accordance with Contract Documents dated September 1, 2016.

CONTRACT 1: Walkway Deck Replacement

Base Bid: Provide all Work as shown on Drawings and Bid Documents for the sum of:

\_\_\_\_\_ Dollars \$ \_\_\_\_\_  
 (In words)

\_\_\_\_\_ Dollars \$ \_\_\_\_\_  
 (In figures)

Miscellaneous Allowance (Add to Base Bid from Section 01210) \$ 3,000.00

**TOTAL BASE BID CONTRACT 1:** \_\_\_\_\_  
 (In words)

\_\_\_\_\_ Dollars \$ \_\_\_\_\_  
 (In figures)

**ALTERNATIVES**

Fill in Alternatives as listed. Where no change in base Bid occurs for Alternative, mark "No Change" or if "Add to or Deduct from base Bid occurs, cross out the description that does not apply. See Section 01230. If an Alternative is left blank it shall mean Contractor shall perform the Work without addition or deduction in the Contract sum.

**ALTERNATIVE A:**

Add to or deduct from Total Base Bid for adding to or subtracting from base bid scope of work every 16 feet wide and 10 feet long area of deck replacement work in specifics similar to base bid scope of work, the sum of:

\_\_\_\_\_ (In words)  
\_\_\_\_\_ Dollars \$ \_\_\_\_\_ (In figures)

**SUBSTITUTION OF MATERIALS**

For use by Bidders at their option the following substitutions from specifically named materials or items.

MANUFACTURER'S NAME	MATERIAL	ADD/DEDUCT
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**MANDATORY PRE-BID MEETING ATTENDANCE**

CONTRACTORS WHO ARE SUBMITTING A BID ON WORK ARE REQUIRED TO VISIT THE SITE AND ATTEND THE MANDATORY PRE-BID CONFERENCE.

BIDS RECEIVED FROM CONTRACTORS NOT ATTENDING THE MANDATORY PRE-BID MEETING WILL BE RETURNED UNOPENED.

**ADDENDUM RECEIPT**

We acknowledge the receipt of Addendum \_\_\_\_\_ to \_\_\_\_\_ inclusive.

**BID SECURITY ACCOMPANYING PROPOSAL**

**NOTE! See Instructions to Bidders - Article 9, Bid Security, subparagraph 9.1.1, filing original bid bond.**

The amount and type of bid security is as follows:

\_\_\_\_\_

COMMENCEMENT AND COMPLETION OF CONTRACT WORK

The undersigned agrees, if signatory to the Contract, to commence work upon receipt of Notice to Proceed and achieve Substantial Completion of the Work by May 17, 2017 as follows:

No work on site shall occur prior to 11/28/2016, contingent upon timely Owner approval of materials to be used and execution schedule, carpentry may occur between 11/28/2016 and 12/23/2016, but no work shall occur on 12/13/16 and 12/14/16, painting to occur in May 2017 and be completed by 5/17/2017.

**NOTE! See Document 00800 - Supplementary Conditions – 8.2.3, for Liquidated Damages associated with the contract work.**

BIDDER'S CERTIFICATE - Section 66.0901(7), Wisconsin Statutes

\_\_\_\_\_ certifies that they have examined and carefully prepared this bid from Bid Documents and have checked same in detail before submitting bid to Milwaukee County.

In submitting this bid, the bidder also acknowledges, understands and agrees that the submission of a bid shall commit the bidder to comply with Milwaukee County's requirements as outlined in the Contractor Residency Program provisions. The bidder also agrees to comply with the specific requirements as follows:

The bidder's commitment for the Contractor Residency Program Participation on this project is 50%.

\_\_\_\_\_  
(Signature of Authorized Representative)

\_\_\_\_\_  
(Title)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_,  
20\_\_\_\_\_.

My commission expires \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
(Notary Public)

**AFFIDAVIT**

State of \_\_\_\_\_

County of \_\_\_\_\_

\_\_\_\_\_ being duly sworn, deposes and states that  
(Name)

they are the \_\_\_\_\_ of  
(Official Capacity)

\_\_\_\_\_  
(Name of Firm)

and that Contractors Qualification Statement filed with County Clerk on

\_\_\_\_\_ for said firm remains true and correct. I understand that the willful falsification of information may result in a civil or criminal penalty pursuant to Chapter 101 Statutes.

\_\_\_\_\_  
(Signature and Title)

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

My commission expires \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
(Notary Public)

If a qualification statement has been filed more than 3 years before the opening of this bid, submit a new qualification statement not less than five days before the opening of this bid.

## Disclosure of Ownership

The statutory authority for the use of this form is prescribed in Sections 66.0903(12)(d), 66.0904(10)(d) and 103.49(7)(d), Wisconsin Statutes.

The use of this form is mandatory. The penalty for failing to complete this form is prescribed in Section 103.005(12), Wisconsin Statutes.

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1) (m), Wisconsin Statutes].

- (1) On the date a contractor submits a bid to or completes negotiations with a state agency, local governmental unit, or developer, investor or owner on a project subject to Section 66.0903, 66.0904 or 103.49, Wisconsin Statutes, the contractor shall disclose to such state agency, local governmental unit, or developer, investor or owner, the name of any "other construction business," which the contractor, or a shareholder, officer or partner of the contractor, owns or has owned within the preceding three (3) years.
- (2) The term "other construction business" means any business engaged in the erection, construction, remodeling, repairing, demolition, altering or painting and decorating of buildings, structures or facilities. It also means any business engaged in supplying mineral aggregate, or hauling excavated material or spoil as provided by Sections 66.0903(3), 66.0904(2), 103.49(2) and 103.50(2), Wisconsin Statutes.
- (3) This form must ONLY be filed, with the state agency project owner, local governmental unit project owner, or developer, investor or owner of a publicly funded private construction project that will be awarding the contract, if both **(A) and (B) are met.**
  - (A) The contractor, or a shareholder, officer or partner of the contractor:
    - (1) Owns at least a 25% interest in the "other construction business," indicated below, on the date the contractor submits a bid or completes negotiations; or
    - (2) Has owned at least a 25% interest in the "other construction business" at any time within the preceding three (3) years.
  - (B) The Wisconsin Department of Workforce Development (DWD) has determined that the "other construction business" has failed to pay the prevailing wage rate or time and one-half the required hourly basic rate of pay, for hours worked in excess of the prevailing hours of labor, to any employee at any time within the preceding three (3) years.

### Other Construction Business

Business Name			
Street Address or P O Box	City	State	Zip Code
Business Name			
Street Address or P O Box	City	State	Zip Code
Business Name			
Street Address or P O Box	City	State	Zip Code
Business Name			
Street Address or P O Box	City	State	Zip Code

**I hereby state under penalty of perjury that the information, contained in this document, is true and accurate according to my knowledge and belief.**

Print the Name of Authorized Officer			
Authorized Officer Signature	Date Signed		
Corporation, Partnership or Sole Proprietorship Name			
Street Address or P O Box	City	State	Zip Code

**If you have any questions call (608) 266-6861**







# COMMUNITY BUSINESS DEVELOPMENT PARTNERS MILWAUKEE COUNTY

## COMMITMENT TO CONTRACT WITH DBE

### **ADDITIONAL INFORMATION & REQUIREMENTS:**

1. The Directory of Certified DBE firms eligible for credit toward the satisfaction of this project's DBE goal will be found at the following link, and can be searched by Name and/or NAICS code.

<http://wisconsin.gov/Pages/doing-bus/civil-rights/dbe/certified-firms.aspx>

2. **CONTRACT ADJUSTMENTS:** The successful Bidder/Proposer will maintain the approved DBE participation level during the term of the contract with the County, including any additional work on the contract, e.g., change orders, addendums, scope changes, etc. Contract adjustments shall include proportional DBE participation.

3. **WRITTEN CONTRACTS WITH DBEs:** The County requires that the successful Bidder/Proposer enter into contract, directly or through subcontractors, as stated in this form. Agreements must be submitted to the County within 7 days of receipt of the Notice-To-Proceed. By executing this commitment, you are certifying that you have had contact with the named DBE firm and that they will be hired if you are awarded the contract by the County.

**VIOLATION OF THE TERMS OF THIS COMMITMENT MAY RESULT IN TERMINATION OF YOUR CONTRACT.**

4. **SUBSTITUTIONS, DBE SUBCONTRACTING WORK, TRUCKING FIRMS:** The successful Bidder/Proposer must submit written notification of desire for substitution to the DBE affected, and send a copy to the County, stating the reason(s) for the request. The DBE will have five (5) business days to provide written objection/acceptance of the substitution. The "right to correct" must be afforded any DBE objecting to substitution/termination for less than good cause as determined by the County. Approval must be obtained from the County prior to making any substitutions. DBEs are also required to notify and obtain approval from the County prior to seeking to subcontract out work on this project. In the case of DBE trucking firms, credit will be given for trucks leased from other DBE firms; however, if the DBE leases trucks from non-DBE firms, the commission or fee will be counted for DBE crediting.

5. **REQUESTS FOR PAYMENT:** The successful Bidder/Proposer must indicate on the Continuation Sheet (AIA form G703, or equivalent) the work being performed by DBE by either a) placing the word "DBE" behind the work item or b) breaking out the work done by DBEs at the end of the report. The successful Bidder/Proposer shall notify DBE firms of the date on which they must submit their invoices for payment.

6. **DBE UTILIZATION REPORTS:** The successful Bidder/Proposer will enter payments to subs and suppliers directly into the County's online reporting system on a monthly basis. These entries will cover payments made during the preceding month and will include zero dollar (\$0) entries where no payment has occurred.

If you have any questions related to Milwaukee County's DBE Program, please contact:

**414.278.4747** or [cbdpcompliance@milwaukeecountywi.gov](mailto:cbdpcompliance@milwaukeecountywi.gov)

SECTION 01230 (REBID)  
ALTERNATIVES

PART 1 GENERAL

1.1 ALTERNATIVES

- A. Alternatives quoted on Bid Forms will be reviewed and accepted or rejected at the Owner's option and in the Owner's sole discretion up to and including the date the Owner-Contractor Agreement is presented to an identified bidder for signature. The Alternatives selected by the Owner will be identified in the Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work as required.
- C. Schedule of Alternatives:

ALTERNATIVE A:

Add to or deduct from Total Base Bid for adding to or subtracting from base bid scope of work every 16 feet wide and 10 feet long area of deck replacement work in specifics similar to base bid scope of work.

PART 2 PRODUCTS - Not Used.

PART 3 EXECUTION - Not Used.

END OF SECTION

SECTION 06 10 10 (REBID)  
DECKING AND CARPENTRY

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
  - 1. Replacement decking and overlay decking.
  - 2. Auxiliary structural members.
  - 3. Miscellaneous items.
- B. Related Requirements:
  - 1. O2 41 29 - Selective Demolition
  - 2. 05 50 10 - Metal.
  - 3. 09 90 00 - Painting

1.2 REFERENCE STANDARDS

- A. APA - The Engineered Wood Association:
  - 1. APA - Plywood Design Specification, including supplements.
  - 2. APA PS 1 - Voluntary Product Standard - Structural Plywood.
- B. ASTM International:
  - 1. ASTM A153 - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
  - 2. ASTM B695 - Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel.
  - 3. ASTM F1667 - Standard Specification for Driven Fasteners: Nails, Spikes, and Staples.
- C. California Department of Health Care Services:
  - 1. CA/DHS/EHLB/R-174 - Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers.
- D. Forest Stewardship Council:
  - 1. FSC Guidelines.
- E. Green Seal:
  - 1. GS-36 - Green Seal Standard for Adhesives for Commercial Use.
- F. U.S. Department of Commerce National Institute of Standards and Technology:
  - 1. DOC PS 1 - Structural Plywood.
  - 2. DOC PS 2 - Performance Standard for Wood-Based Structural-Use Panels.
  - 3. DOC PS 20 - American Softwood Lumber Standard.
- G. West Coast Lumber Inspection Bureau:

1. WCLIB Standard 17 - Grading Rules for West Coast Lumber.
- H. Western Wood Products Association:
1. WWPA - Western Lumber Grading Rules.
- I. Wood Acetylation Standards:
1. Acetylation: A process that essentially alters the actual cell structure of wood by transforming free hydroxyl groups into acetyl groups, improving the technical properties (durability and dimensional stability) of wood
  2. ASTM D143 - 09 Standard Test Methods for Small Clear Specimens of Timber
  3. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials
  4. AWPA E1 - Standard Method for Laboratory Evaluation to Determine Resistance to Subterranean Termites
  5. AWPA E10 - Standard Method of Testing Wood Preservatives by Laboratory Soil-Block Cultures
  6. BS EN 350-1 - Durability of wood and wood-based products. Natural durability of solid wood. Guide to the principles of testing and classification of natural durability of wood
  7. WDMA T.M. 1 - Soil Block Test.
  8. WDMA T.M. 2 - Swellometer Test, Test Method to Determine the Water Repellent Effectiveness of Treating Formulations.
  9. WDMA, I.S.4 Industry Standard for Preservative Treatment of Millwork.

### 1.3 COORDINATION

- A. Section 01 30 00 - Administrative Requirements: Requirements for coordination.
- B. Coordinate Work of this Section with installation of prefabricated wood trusses.
- C. Coordinate curb installation with installation of decking and support of deck openings, roofing vapor retardant, and parapet construction.

### 1.4 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Requirements for submittals.
- B. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- C. Warranty Documents.

### 1.5 QUALITY ASSURANCE

- A. Acetylated Wood Quality Standards and Warranty:
  1. Warranty Period:
    - a. Fifty (50) years for above ground installations.
    - b. Twenty Five (25) years for in-ground installations.
  2. Replacement requirement: Accoya® wood that fails per warranty guidelines within specified warranty period shall be replaced per warranty terms.

- B. Perform Work according to:
  - 1. Lumber Grading Agency: Certified by DOC PS 20.
  - 2. Wood Structural Panel Grading Agency: Certified by APA - The Engineered Wood Association.

#### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements: Requirements for transporting, handling, storing, and protecting products.
- B. Inspection: Accept materials on Site in manufacturer's original packaging and inspect for damage.
- C. Store materials according to manufacturer instructions.

### PART 2 PRODUCTS

#### 2.1 ACETYLATED WOOD MANUFACTURER AND DISTRIBUTORS:

- A. Manufacturer:  
Accsys Technologies PLC  
5000 Quorum Drive #620, Dallas, Texas 75254  
US / Canada: +1 (0)972 233 6565
- B. Distributer:  
Sierra Forest Products  
1801 W Hawthorne Ln # 400, West Chicago, IL 60185  
(630) 231-0450

#### 2.2 ACETYLATED WOOD

- A. Acceptable Product: Accoya Wood by Accsys Technologies Inc.
- B. Species: Radiata Pine (also known as Monterey Pine)
- C. Moisture Content: Less than or equal to 8%.
- D. Wood Treatment: Acetylation.
- E. Acceptable Properties of acetylated wood
  - 1. Fire Rating, ASTM E 84: Class C (with Hoover Exterior Fire-X Fire Retardant Treatment, Class A).
  - 2. Dimensional Stability:
    - a. Tangential Shrink/Swell, 1.5%.
    - b. Radial Shrink/Swell, 0.8%
    - c. Volumetric Shrink/Swell, 2.3%.

- d. Water Repellent Effectiveness: WDMA T.M. 2: >70%.
  3. Durability, BS EN 350-1 Testing: Class 1 (very durable).
  4. Fungal Decay, AWP A E10: < 0.30% weight loss.
  5. Fungal Decay, WDMA T.M. 1: < 0.25% weight loss.
  6. Termites, AWP A E1: ≤ 5% weight loss with Formosan termites.
  7. Hardness, ASTM D143: 922 lbf side, 1,484 lbf end2 .  
Bending Strength, ASTM D143: 13,144 psi (small clear specimens).
  8. Bending Stiffness, ASTM D143: 1,297,492 psi (small clear specimens).  
Density: 32 lb/cu ft (@ 65% relative humidity, 20 degrees C).
  9. Equilibrium Moisture Content: 3-5% (@ 65% relative humidity, 20 degrees C).
- F. Finishing:
1. Deck member: S1S minimum, walking surface side, and adjacent edges.
  2. Wood guardrail top plate: S4S.
- G. Application: Replacement decking, wood guardrail top plates, and where shown and or indicated on drawings.

### 2.3 PRESSURE TREATED LUMBER

- A. Conform to quality standards per AWP A water based ACQ pressure treated Douglas Fir for use category UC4A.

### 2.4 FASTENERS

- A. Lag Screw: Low carbon steel, HCR finish, grade 5, course thread, Hex head with flange, sizes as shown on drawings.
- B. Nails: DTL Deck nail, hot dip galvanized steel, ring shank, flat head, sizes as shown on drawings.

## PART 3 EXECUTION

### 3.1 APPLICATION

- A. Acetylated Wood installation: Install acetylated wood members per manufacturer's recommendations.
- B. Nailing Ledge:
1. Use longest members possible per site conditions.
  2. Select individual pieces such that knots and defects will not interfere with placement of bolts when nailing or making connections.
  3. Discard defective pieces.
  4. Set members at a height above existing beam to allow finish deck top surface elevation to match existing.
  5. Place members crown side up.
  6. Cut or notch member to clear interfering existing elements where occur.
  7. Additional members maybe required where splices between decking boards occur.

- C. Replacement Decking:
  - 1. Use longest members possible per site conditions.
  - 2. Select individual pieces such that knots and defects will not interfere with placement of bolts when nailing or making connections.
  - 3. Discard defective pieces.
  - 4. Set members perpendicular to direction of travel and in spacing matching existing.
  - 5. Place members crown side up.
  - 6. Align ends of deck members.
  - 7. Where splices between decking members occur, support for each member shall be a minimum of 1-1/2", provide additional nailing ledge members as required.
  - 8. Fasten deck boards onto new nailing ledges only.
  
- D. Wood Guardrail Top Plate:
  - 1. Use longest members possible per site conditions.
  - 2. Select individual pieces such that knots and defects will not interfere with placement of bolts when nailing or making connections.
  - 3. Discard defective pieces.
  
- E. Nailing (Fasteners) Schedule:
  - 1. See Fasteners Schedule on drawings. Use only fasteners as shown, no substitution shall be allowed. Conform to fastener distributions indicated.

### 3.2 TOLERANCES

- A. Section 01 40 00 - Quality Requirements: Requirements for tolerances.

END OF SECTION

SECTION 09 90 00 (REBID)  
PAINTS AND COATINGS

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes surface preparation and field application of paints, stains, and other coatings.
- B. Related Sections:
  - 1. Section 05 50 10 – Metal Fabrications
  - 2. Section 06 10 10 - Decking and Carpentry

1.2 REFERENCES

- A. American Society for Testing and Materials:
  - 1. ASTM D16 - Standard Terminology Relating to Paint, Varnish, Lacquer, and Related Products.

1.3 DEFINITIONS

- A. Conform to ASTM D16 for interpretation of terms used in this section.

1.4 SUBMITTALS

- A. Section 01330 - Submittal Procedures: Submittal procedures.
- B. Product Data: Submit data on finishing products.
- C. Samples:
  - 1. Submit two painted samples, illustrating selected colors and textures for each color and system. Submit on material to be finished, 12x12 inch in size.
- D. Manufacturer's Installation Instructions: Submit special surface preparation procedures, and substrate conditions requiring special attention.

1.5 CLOSEOUT SUBMITTALS

- A. Section 01700 - Execution Requirements: Closeout procedures.
- B. Operation and Maintenance Data: Submit data on cleaning, touch-up, and repair of painted and coated surfaces.

1.6 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years documented experience.
- B. Applicator: Company specializing in performing work of this section with minimum three years documented experience approved by manufacturer.

## 1.7 MOCKUP

- A. Section 01400 - Quality Requirements: Mock-up requirements.

## 1.8 PRE-INSTALLATION MEETINGS

- A. Section 01300 - Administrative Requirements: Pre-installation meeting.

## 1.9 DELIVERY, STORAGE, AND HANDLING

- A. Section 01600 - Product Requirements: Product storage and handling requirements.
- B. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- C. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- D. Paint Materials: Store at minimum ambient temperature of 45 degrees F and maximum of 90 degrees F in ventilated area and as required by manufacturer's instructions.
- E. Take precautionary measures to prevent fire hazards and spontaneous combustion.

## 1.10 ENVIRONMENTAL REQUIREMENTS

- A. Section 01600 - Product Requirements.
- B. Provide continuous ventilation and heating facilities to maintain surface and ambient temperatures above 45 degrees F for 24 hours before, during and 48 hours after application of finishes, unless otherwise by manufacturer's instructions.
- C. Do not apply materials when surface and ambient temperatures are outside temperature ranges required by paint product manufacturer.
- D. Do not apply exterior coatings during rain or snow when relative humidity is above 50 percent and outside humidity ranges, or moisture content of surfaces exceed those required by paint product manufacturer.
- E. Minimum Application Temperatures for Latex Paints: 45 degrees F for interiors; 50 degrees F for exterior; unless required otherwise by manufacturer's instructions.
- F. Provide lighting level of 80 ft candle measured mid-height at substrate surface.

### 1.11 REGULATORY REQUIREMENTS

- A. Conform to applicable Wisconsin codes for flame/fuel/smoke rating requirements for finishes.

### 1.12 SEQUENCING

- A. Section 01100 - Summary: Work sequence.
- B. Sequence application to the following:
  - 1. Do not apply finish coats until paintable sealant is applied.
  - 2. Back prime all steel prior to painting.

### 1.13 WARRANTY

- A. Section 01700 - Execution Requirements: Product warranties and product bonds.
- B. Furnish five year manufacturer warranty for paints and coatings.

### 1.14 EXTRA MATERIALS

- A. Section 01700 - Execution Requirements: Spare parts and maintenance products.
- B. Supply 1 gallon of each color to owner and store where directed.
- C. Label each container with color, type, texture and room locations, in addition to manufacturer's label.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturers:
  - 1. Sherwin Williams
  - 2. Rust-Oleum®, 11 Hawthorn Pkwy. Vernon Hills, IL 60061.
- B. Substitutions: Section 01600 - Product Requirements

### 2.2 WOOD STAIN

- A. Exterior Solid Color Wood Stain: ProMar® Exterior Solid Color Acrylic Latex Stain by Sherwin Williams

### 2.3 METAL WORK COATING

- A. Primer: Steel Spec Fast Dry Universal Metal Primer by Sherwin Williams

- B. Finish Coat: "Bond-Plex" water based acrylic coating by Sherwin Williams

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Section 01300 - Administrative Requirements: Coordination and project conditions.
- B. Verify surfaces and substrate conditions are ready to receive Work as instructed by product manufacturer.
- C. Examine surfaces scheduled to be finished prior to commencement of work. Report conditions capable of affecting proper application.
- D. Test shop applied primer for compatibility with subsequent cover materials.
- E. Measure moisture content of surfaces using electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the manufacturer's specification.
- F. Start of installation is acceptance of existing surfaces substrate.

### 3.2 PREPARATION

- A. Sand Blasting: For items shown on drawing to receive sand blasting, sand blast thoroughly to remove all existing paint.
- B. Surfaces: Correct defects and clean surfaces capable of affecting work of this section.
- C. Marks: Seal with shellac those that may bleed through surface finishes.
- D. Galvanized Surfaces: Remove surface contamination and oils and wash with solvent. Apply coat of etching primer.
- E. Shop Primed Steel Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Prime metal items including shop primed items.

### 3.3 APPLICATION

- A. Apply products in accordance with manufacturer's instructions.
- B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

- C. Apply each coat to uniform appearance. Apply each coat of paint slightly darker than preceding coat unless specified otherwise.
- D. Sand surfaces lightly between coats to achieve required finish.
- E. Clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.
- F. Allow applied coat to dry before next coat is applied.

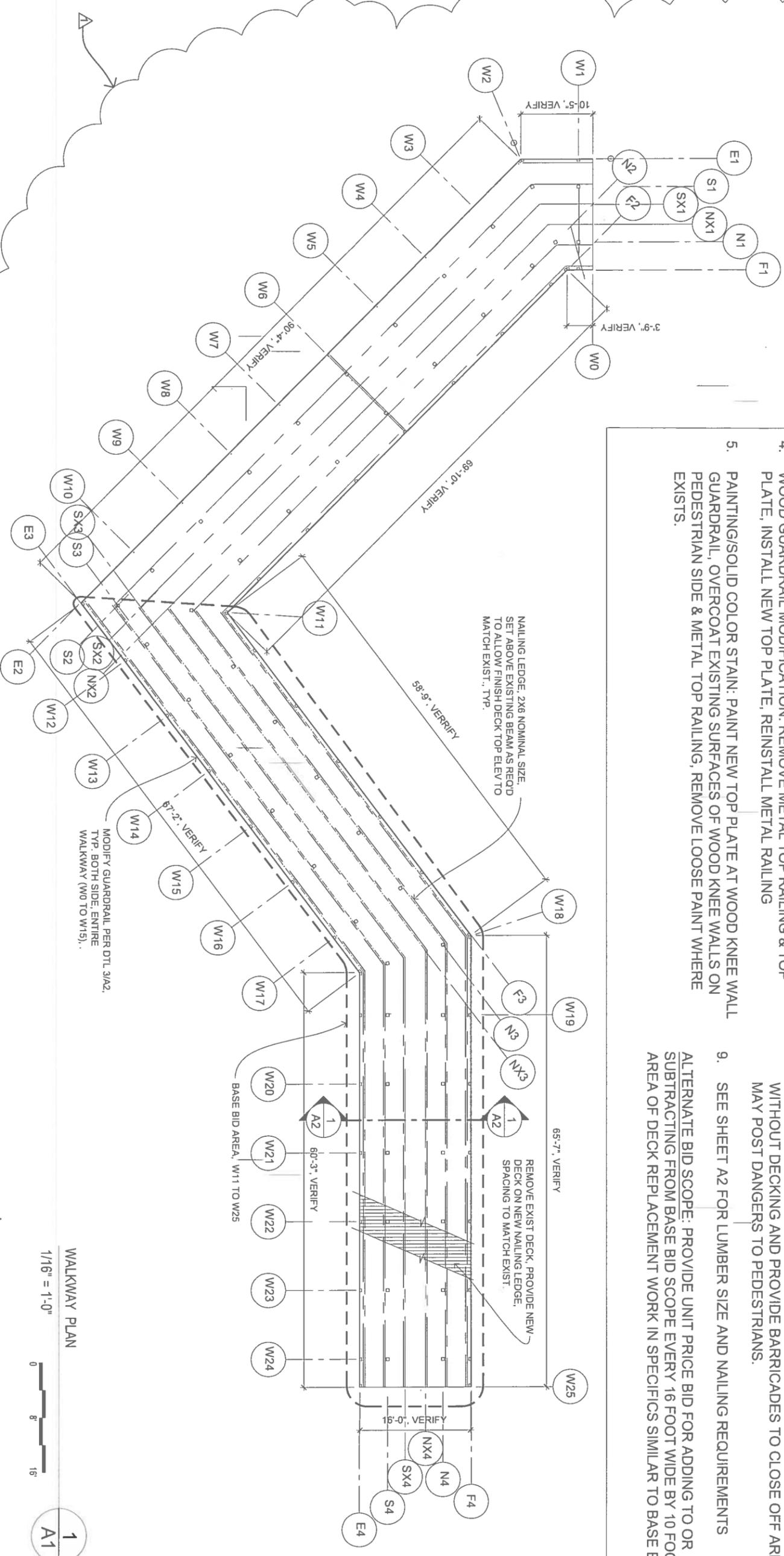
### 3.4 FIELD QUALITY CONTROL

- A. Section 01400 - Quality Requirements: Testing and Inspection Services.  
01700 - Execution Requirements: Testing, adjusting, and balancing.
- B. Inspect and test questionable coated areas in accordance with Manufacturer's instructions.

### 3.5 CLEANING

- A. Section 01700 - Execution Requirements: Final cleaning.
- B. Collect waste material which may constitute fire hazard, place in closed metal containers, and remove daily from site.
- C. As Work proceeds, promptly remove paint where spilled, splashed, or splattered.
- D. During progress of Work maintain premises free of unnecessary accumulation of tools, equipment, surplus materials, and debris.

END OF SECTION



WALKWAY PLAN  
1/16" = 1'-0"  
0 8 16

- BASE BID SCOPE SUMMARY**
- FULL BASE BID SCOPE IS SHOWN ON ALL SHEETS AND IN THE PROJECT MANUAL.
  - ADD NAILING LEDGES - 2X6 NOMINAL SIZE, IN BASE BID AREA, ONE LEDGE PER EXISTING BEAM, SET LEDGE ABOVE EXISTING BEAM AS REQUIRED TO ALLOW NEW FINISH DECK TOP ELEVATION TO MATCH EXISTING.
  - REPLACEMENT DECKING: NEW 2-1/4" TO 2-1/2" HIGH, 5-1/2" WIDE, ACTUAL SIZE DECK BOARD ON NEW NAILING LEDGES.
  - WOOD GUARDRAIL MODIFICATION: REMOVE METAL TOP RAILING & TOP PLATE, INSTALL NEW TOP PLATE, REINSTALL METAL RAILING
  - PAINTING/SOLID COLOR STAIN: PAINT NEW TOP PLATE AT WOOD KNEE WALL GUARDRAIL, OVERCOAT EXISTING SURFACES OF WOOD KNEE WALLS ON PEDESTRIAN SIDE & METAL TOP RAILING, REMOVE LOOSE PAINT WHERE EXISTS.
  - GUARDRAIL SHALL NOT REMAIN UNATTACHED BETWEEN WORK SHIFTS, UNLESS ALTERNATE MEANS OF PROTECTING THE OPEN SIDES OF WALKWAY ARE PROVIDED WITH WRITTEN PRIOR APPROVAL FROM OWNER.
  - AVOID CONTACT WITH UTILITIES AND OTHER EQUIPMENT ON AND OR BELOW WALKWAY, PROVIDE PROTECTION FOR SAME WHERE REQUIRED.
  - SCHEDULE EXTENT OF WORK FOR A WORK SHIFT TO ENSURE THAT ENTIRE WALKWAY WILL BE AVAILABLE FOR PEDESTRIAN ACCESS AND USE BETWEEN WORK SHIFTS: PRIOR TO END OF WORK SHIFT, COVER ALL AREAS WITHOUT DECKING AND PROVIDE BARRICADES TO CLOSE OFF AREAS THAT MAY POST DANGERS TO PEDESTRIANS.
  - SEE SHEET A2 FOR LUMBER SIZE AND NAILING REQUIREMENTS  
ALTERNATE BID SCOPE: PROVIDE UNIT PRICE BID FOR ADDING TO OR SUBTRACTING FROM BASE BID SCOPE EVERY 16 FOOT WIDE BY 10 FOOT LONG AREA OF DECK REPLACEMENT WORK IN SPECIFICS SIMILAR TO BASE BID WORK.

DATE: 9/01/2016  
PROJECT: 2132-15429  
SITE NO: 355  
BUILDING NO: 4740

ADDN 7.9.2016  
A  
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A

Milwaukee County Dept. of Administrative Services  
FACILITIES MANAGEMENT DIVISION  
Architectural, Engineering & Environmental Services  
633 WEST WISCONSIN AVENUE, SUITE 1000 MILWAUKEE, WI 53203



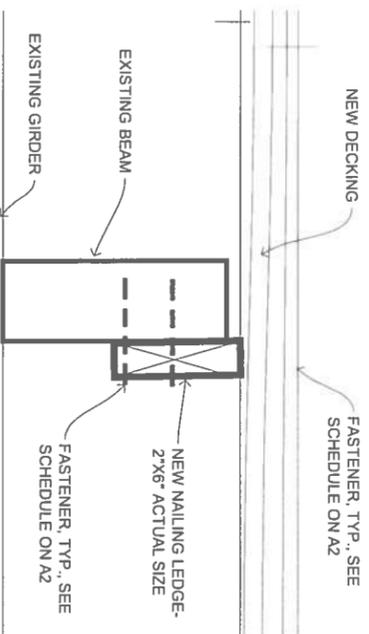
PECK WELCOME CENTER WALKWAY DECK REPLACEMENT  
**MILWAUKEE COUNTY ZOO**  
10001 W BLUEMOUND RD, MILWAUKEE, WI 53226

**LUMBER SIZES SCHEDULE AND NOTES**

1. **NAILING LEDGE:** 2X6 NOMINAL SIZE, PRESSURE TREATED LUMBER
2. **REPLACEMENT DECK:** 2-1/4" TO 2-1/2" THICK, 5-1/2" WIDE ACTUAL SIZE, ACETYLATED PINE BY ACCOYA, DRESSED WALKING SURFACE SIDE AND ADJACENT EDGES
3. **WOOD GUARDRAIL TOP PLATE:** 3/4"X7-1/4", ACTUAL SIZE, S4S, ACETYLATED PINE BY ACCOYA.

**FASTENERS SCHEDULE & NOTES**

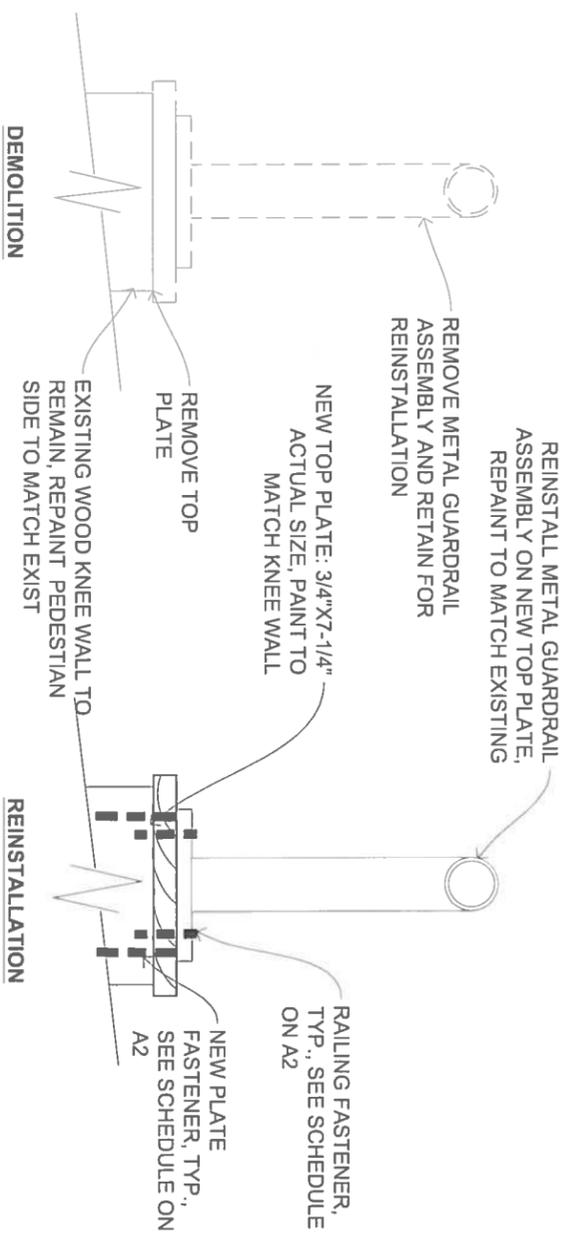
1. **NAILING LEDGE:** 3-1/2"x 5/8" LAG SCREW, LOW CARBON STEEL, HCR FINISH, GRADE 5, COARSE THREAD, HEX HEAD WITH FLANGE; 2 ROWS AT 16" O.C.
2. **REPLACEMENT DECK:** 5"XO.20" RING SHANK DTL NAIL, HOT DIP GALV. STEEL, 2 EACH ON EVERY NEW NAILING LEDGES ONLY.
3. **WOOD GUARDRAIL TOP PLATE:** 2-1/2"xO.12" RING SHANK DTL NAIL, HOT DIP GALV. STEEL, 2 ROWS AT 16" O.C.,
4. **METAL RAILING ABOVE WOOD KNEE WALL AT WOOD GUARDRAIL:** SCREWS IN SIZE AND QUANTITY TO MATCH EXISTING



TYPICAL DECKING DETAIL

2" = 1'-0"  
0 3' 6'

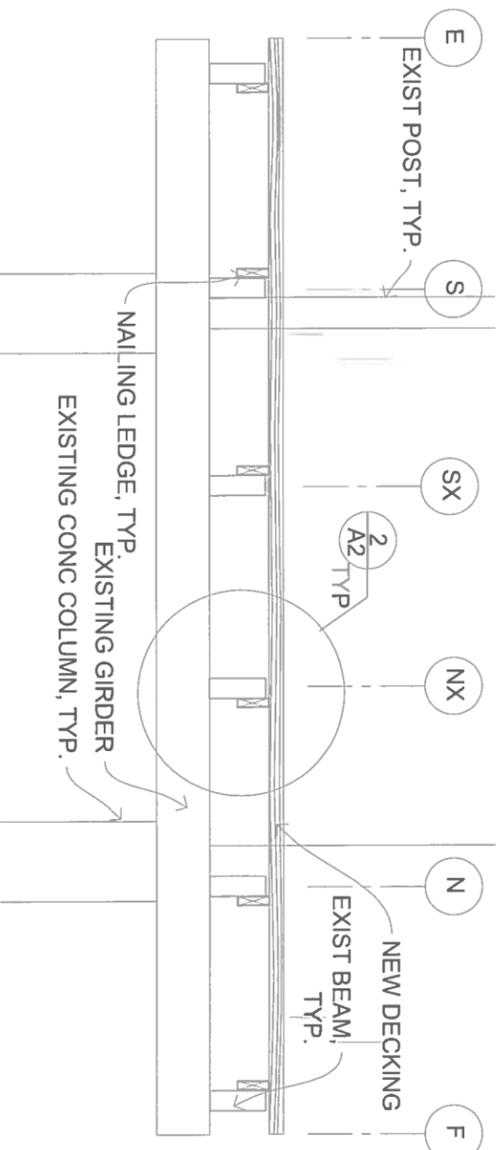
2  
A2



WOOD GUARDRAIL MODIFICATION DETAIL

2" = 1'-0"  
0 3' 6'

3  
A2



TYPICAL CROSS SECTION

3/8" = 1'-0"  
0 1' 2'

1  
A2

