



Florida Department of Environmental Protection

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

August 24, 2016
NOTICE TO APPLICANTS
ADDENDUM NO. ONE (1)

Ed Walline and Gulfview Heights Beach Access Sites
Walton County Site Improvements
DEP BID NO. BDC05-16/17

TO BIDDERS AND PLAN HOLDERS ON THE ABOVE REFERENCED PROJECT: PLEASE NOTE CONTENTS HEREIN AND INCLUDE WITH YOUR BID SUBMISSION.

NOTICE

It will be required that this addendum be signed in acknowledgment of receipt and that it be included with your Bid when same is submitted to Mae Roth, Government Operations Consultant II, Bureau of Design and Construction, 3900 Commonwealth Blvd. MS520, Tallahassee, Florida 32399-3000. Failure to do so may be grounds for rejection of the Bid.

Signature of Contractor and Date

The Following statements supersede & supplement the corresponding items in the specifications & drawings:

The bid submittal due date and bid posting date for this bid has been postponed per the below:

BID SUBMITTAL DUE DATE: No later than **3:30 PM (ET), Friday, September 2, 2016** to the below address: Florida Department of Environmental Protection, Bureau of Design and Construction, 3800 Commonwealth Blvd. MS520, Tallahassee, Florida 32399-3000, Attention Mae Roth, Government Operations Consultant II, Bureau of Design and Construction, (850) 245-2781. (For hand delivery: Carr Building, Welcome Desk.) The Department reserves the right to reject any or all bids.

BID POSTING DATE: No later than **3:30 PM (ET), Friday, September 9, 2016**, unless extended by the Department for good cause.

In all other respects, the contract documents of which this is an Addendum, and attachments relative thereto, shall remain in full force and effect.

Questions and Responses:

Question: As per the Report of Geotechnical Investigation, Pavilion Reconstruction, Ed Walline State Park, Walton County, Florida dated November 2015, Prepared By: Environmental and Geotechnical Specialists, Inc., 104 North Magnolia Drive, Tallahassee, Florida 32301 states the Geotechnical Design Parameters are based on a timber pile foundation, however the plans dated 6/20/2016 prepared by Preble-Rish, Inc., Consulting Engineers, 502 E. Park Ave., Tallahassee, Fl. 32301 are indicating 16” round concrete columns. How or will this change the foundation footings?

He

Response: Information contained in the soils report was provided in case we decided to construct this building on pilings. However, we are not using timber piles so that part of the soils report is no longer relevant to this project. Construct the foundation as shown on the plans (poured-in-place concrete, no pilings).

Question: The roof material is called out as Standing Seam Metal Roof. Is there spec for the type of metal roof required? Is there a warranty required?

Response: Refer to attached specifications for details.

Question: What is the equipment specification for replacement of the photocells at each site and should they be relocated or replaced in their existing locations?

Response: The photocells at both sites will be replaced in their existing locations with Westek Model #SW103CT, Lumatrol ST-Series #ST-15, or approved equal.

Question: What is the painting specification for the new pavilions at the Ed Walline site?

Response: Refer to attached plan sheet S105.

Question: There are sidewalks adjacent to the Ed Walline pavilions that are not shown on the plans. What is the requirement and method to address the finished elevations of these sidewalks?

Response: Refer to attached plan sheet S106.

Question: What is the deadline for submitting questions?

Response: This date was August 16 as stipulated in the Instructions to Bidders as being ten (10) calendar days prior to the bid opening date of Aug. 26.

Question: What is the responsibility for the existing picnic tables and grills at each site?

Response. The County will be responsible for removing, storing, and replacing these facilities.

SECTION 074113.16 - STANDING-SEAM METAL ROOF PANELS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes standing-seam metal roof panels.

1.2 PREINSTALLATION MEETINGS

- A. Pre-installation Conference: Conduct conference at **Project site**

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: Include fabrication and installation layouts of metal panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.
- C. Samples: For each type of metal panel indicated.

1.4 INFORMATIONAL SUBMITTALS

- A. Product test reports.
- B. Warranties: Sample of special warranties.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.
- B. UL-Certified, Portable Roll-Forming Equipment: UL-certified, portable roll-forming equipment capable of producing metal panels warranted by manufacturer to be the same as factory-formed products. Maintain UL certification of portable roll-forming equipment for duration of work.

1.7 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal panel systems that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: **Two** years from date of Substantial Completion.
- B. Special Warranty on Panel Finishes: Manufacturer's standard form in which manufacturer agrees to repair finish or replace metal panels that show evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1. Finish Warranty Period: **10**years from date of Substantial Completion.
- C. Special Weather tightness Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace standing-seam metal roof panel assemblies that fail to remain weathertight, including leaks, within specified warranty period.
 - 1. Warranty Period: **20** years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Energy Performance: Provide roof panels that are listed on the EPA/DOE's ENERGY STAR "Roof Product List" for **low** slope roof products.
- B. Energy Performance: Provide roof panels according to one of the following when tested according to CRRC-1:
 - 1. Three-year, aged solar reflectance of not less than **0.55** and emissivity of not less than **0.75**
 - 2. Three-year, aged Solar Reflectance Index of not less than **64** when calculated according to ASTM E 1980.
- C. Structural Performance: Provide metal panel systems capable of withstanding the effects of the following loads, based on testing according to ASTM E 1592:
 - 1. Wind Loads: As indicated on Drawings.
 - 2. Other Design Loads: **As indicated on Drawings**
 - 3. Deflection Limits: For wind loads, no greater than **1/180**of the span.
- D. Air Infiltration: Air leakage of not more than **0.06 cfm/sq. ft.** when tested according to ASTM E 1680 the following test-pressure difference:
 - 1. Test-Pressure Difference: **1.57 lb. /sq. ft.**
- E. Water Penetration under Static Pressure: No water penetration when tested according to ASTM E 1646 at the following test-pressure difference:

1. Test-Pressure Difference: **2.86 lb. /sq. ft.**
- F. Hydrostatic-Head Resistance: No water penetration when tested according to ASTM E 2140.
- G. Wind-Uplift Resistance: Provide metal roof panel assemblies that comply with UL 580 for wind-uplift-resistance class indicated.
1. Uplift Rating: [**UL 30**] [**UL 60**] [**UL 90**].
- H. FM Global Listing: Provide metal roof panels and component materials that comply with requirements in FM Global 4471 as part of a panel roofing system and that are listed in FM Global's "Approval Guide" for Class 1 or noncombustible construction, as applicable. Identify materials with FM Global markings.
1. Fire/Windstorm Classification: Class 1A-**90**
 2. Hail Resistance: **MH**
- I. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
1. Temperature Change (Range): **120 deg F, ambient; 180 deg F, material surfaces**

2.2 STANDING-SEAM METAL ROOF PANELS

- A. General: Provide factory-formed metal roof panels designed to be installed by lapping and interconnecting raised side edges of adjacent panels with joint type indicated and mechanically attaching panels to supports using concealed clips in side laps. Include clips, cleats, pressure plates, and accessories required for weathertight installation.
1. Steel Panel Systems: Unless more stringent requirements are indicated, comply with ASTM E 1514.
 2. Aluminum Panel Systems: Unless more stringent requirements are indicated, comply with ASTM E 1637.
- B. Vertical-Rib, Snap-Joint, Standing-Seam Metal Roof Panels <Insert drawing designation>: Formed with vertical ribs at panel edges and [**intermediate stiffening ribs symmetrically spaced**] [**a flat pan**] between ribs; designed for sequential installation by mechanically attaching panels to supports using concealed clips located under one side of panels, engaging opposite edge of adjacent panels, and snapping panels together.
- a. AEP-Span.
 - b. Architectural Building Components.
 - c. Architectural Roofing and Siding, Inc.
 - d. ATAS International, Inc.
 - e. Berridge Manufacturing Company.
 - f. BHP Steel Building Products USA Inc.
 - g. CENTRIA Architectural Systems.
 - h. Custom Panel Industries, LLC.

- i. Delcoa Industries, Inc.
- j. Fabral, Inc.
- k. Innovative Metals Company, Inc.
- l. K-Metals Inc.
- m. MBCI; Div. of NCI Building Systems.
- n. McElroy Metal, Inc.
- o. Merchant & Evans, Inc.
- p. Metal-Fab Manufacturing, LLC.
- q. Metal Sales Manufacturing Corporation.
- r. Modern Metal Systems, Inc.
- s. Morin Corporation; a Metecno Group Company.
- t. Perma-Clad Products.
- u. Petersen Aluminum Corporation.
- v. VICWEST; Div. of Jenisys Engineered Products.

C.

- 1. Aluminum Sheet: Coil-coated sheet, **ASTM B 209** alloy as standard with manufacturer, with temper as required to suit forming operations and structural performance required.
 - a. Thickness: **0.040 inch**
 - b. Surface: **Smooth, flat** finish.
 - c. Exterior Finish: **Three-coat fluoropolymer**
 - d. Color: **Match adjacent bathroom building**
- 2. Clips: [**One-piece fixed**] [**Two-piece floating**] to accommodate thermal movement.
- 3. Retain one of two "Material" subparagraphs below. Retain steel clips for metallic-coated steel roof panels and stainless-steel clips for aluminum panels.
 - a. Material: **0.062-inch**thick, stainless-steel sheet.
- 4. Panel Coverage: **24 inches**
- 5. Panel Height: **1.5 inches**

D. Vertical-Rib, Seamed-Joint, Standing-Seam Metal Roof Panels <**Insert drawing designation**>: Formed with vertical ribs at panel edges and [**intermediate stiffening ribs symmetrically spaced**] [**a flat pan**] between ribs; designed for sequential installation by mechanically attaching panels to supports using concealed clips located under one side of panels, engaging opposite edge of adjacent panels, and mechanically seaming panels together.

- a. AEP-Span.
- b. Architectural Building Components.
- c. Architectural Roofing and Siding, Inc.
- d. ATAS International, Inc.
- e. Berridge Manufacturing Company.
- f. BHP Steel Building Products USA Inc.
- g. CENTRIA Architectural Systems.
- h. Custom Panel Industries, LLC.
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- k. Innovative Metals Company, Inc.
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 - u. Petersen Aluminum Corporation.
 - v. VICWEST; Div. of Jenisys Engineered Products
2. Aluminum Sheet: Coil-coated sheet, **ASTM B 209** alloy as standard with manufacturer, with temper as required to suit forming operations and structural performance required.
- a. Thickness: **0.040 inch**
 - b. Surface: **Smooth, flat** finish.
 - c. Exterior Finish: **Three-coat fluoropolymer**
 - d. Color: **Match adjacent bathroom building**
3. Clips: **One-piece fixed** or **Two-piece floating** to accommodate thermal movement.
4. Retain one of two "Material" subparagraphs below. Retain steel clips for metallic-coated steel roof panels and stainless-steel clips for aluminum panels.
- a. Material: **0.062-inch thick**, stainless-steel sheet.
5. Panel Coverage: **24 inches**
6. Panel Height: **1.5 inches**
7. Joint Type: **As standard with manufacturer**
8. Panel Coverage: **24 inches**
9. Panel Height: **1.5 inches**
- E. Trapezoidal-Rib, Snap-Joint, Standing-Seam Metal Roof Panels >: Formed with raised trapezoidal ribs at panel edges and **intermediate stiffening ribs symmetrically spaced** between ribs; designed for sequential installation by mechanically attaching panels to supports using concealed clips located under one side of panels, engaging opposite edge of adjacent panels, and snapping panels together.
- a. AEP-Span.
 - b. Architectural Building Components.
 - c. Architectural Roofing and Siding, Inc.
 - d. ATAS International, Inc.
 - e. Berridge Manufacturing Company.
 - f. BHP Steel Building Products USA Inc.
 - g. CENTRIA Architectural Systems.
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 - s. Morin Corporation; a Metecno Group Company.
 - t. Perma-Clad Products.
 - u. Petersen Aluminum Corporation.
 - v. VICWEST; Div. of Jenisys Engineered Products.
2. Aluminum Sheet: Coil-coated sheet, **ASTM B 209** alloy as standard with manufacturer, with temper as required to suit forming operations and structural performance required.
- a. Thickness: **0.040 inch**
 - b. Surface: **Smooth, flat** finish.
 - c. Exterior Finish: **Three-coat fluoropolymer**
 - d. Color: **Match adjacent bathroom building**
3. Clips: **One-piece fixed** or **Two-piece floating** to accommodate thermal movement.
4. Retain one of two "Material" subparagraphs below. Retain steel clips for metallic-coated steel roof panels and stainless-steel clips for aluminum panels.
- a. Material: **0.062-inch thick**, stainless-steel sheet.
5. Panel Coverage: **24 inches**
6. Panel Height: **1.5 inches**
7. Joint Type: **As standard with manufacturer**
8. Panel Coverage: **24 inches**
9. Panel Height: **1.5 inches**
- F. Trapezoidal-Rib, Seamed-Joint, Standing-Seam Metal Roof Panels **<Insert drawing designation>**: Formed with raised trapezoidal ribs at panel edges and [**intermediate stiffening ribs symmetrically spaced**] [**a flat pan**] between ribs; designed for sequential installation by mechanically attaching panels to supports using concealed clips located under one side of panels, engaging opposite edge of adjacent panels, and mechanically seaming panels together.
- a. AEP-Span.
 - b. Architectural Building Components.
 - c. Architectural Roofing and Siding, Inc.
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 - v. VICWEST; Div. of Jenisys Engineered Products.
2. Aluminum Sheet: Coil-coated sheet, **ASTM B 209** alloy as standard with manufacturer, with temper as required to suit forming operations and structural performance required.
 - a. Thickness: **0.040 inch**
 - b. Surface: **Smooth, flat** finish.
 - c. Exterior Finish: **Three-coat fluoropolymer**
 - d. Color: **Match adjacent bathroom building**
 3. Clips: **One-piece fixed** or **Two-piece floating** to accommodate thermal movement.
 4. Retain one of two "Material" subparagraphs below. Retain steel clips for metallic-coated steel roof panels and stainless-steel clips for aluminum panels.
 - a. Material: **0.062-inch thick**, stainless-steel sheet.
 5. Panel Coverage: **24 inches**
 6. Panel Height: **1.5 inches**
 7. Joint Type: **As standard with manufacturer**
 8. Panel Coverage: **24 inches**
 9. Panel Height: **1.5 inches**

2.3 UNDERLAYMENT MATERIALS

- A. Self-Adhering, High-Temperature Underlayment: Provide self-adhering, cold-applied, sheet underlayment, a minimum of **30 mils** thick, consisting of slip-resistant, polyethylene-film top surface laminated to a layer of butyl or SBS-modified asphalt adhesive, with release-paper backing. Provide primer when recommended by underlayment manufacturer.
 1. Thermal Stability: Stable after testing at **240 deg F** ASTM D 1970.
 2. Low-Temperature Flexibility: Passes after testing at minus **20 deg F** ASTM D 1970.
 3. Available Products
 - a. ALCO-NVC Inc.; ALCO Shield.
 - b. Atlas Roofing Corporation; StormMaster DG.

- c. Carlisle Coatings & Waterproofing, Div. of Carlisle Companies Inc.; Dri-Start "G."
- d. CertainTeed Corporation; WinterGuard.
- e. GAF Materials Corporation; Weather Watch.
- f. Henry Company; Eaveguard.
- g. Johns Manville International, Inc.; Roof Defender.
- h. NEI Advanced Composite Technology; AC Sand Ice and StormSeal.
- i. Owens Corning; WeatherLock G.

B. Slip Sheet: Manufacturer's recommended slip sheet, of type required for application.

2.4 MISCELLANEOUS MATERIALS

- A. Miscellaneous Metal Sub framing and Furring: ASTM C 645; cold-formed, metallic-coated steel sheet, ASTM A 653/A 653M, G90 (Z275 hot-dip galvanized) coating unless otherwise indicated. Provide manufacturer's standard sections as required for support and alignment of metal panel system.
- B. Panel Accessories: Provide components required for a complete, weathertight panel system including trim, copings, fasciae, mullions, sills, corner units, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of metal panels unless otherwise indicated.
 - 1. Closures: Provide closures at eaves and ridges, fabricated of same metal as metal panels.
 - 2. Backing Plates: Provide metal backing plates at panel end splices, fabricated from material recommended by manufacturer.
 - 3. Closure Strips: Closed-cell, expanded, cellular, rubber or crosslinked, polyolefin-foam or closed-cell laminated polyethylene; minimum 1-inch thick, flexible closure strips; cut or pre-molded to match metal panel profile. Provide closure strips where indicated or necessary to ensure weathertight construction.
- C. Flashing and Trim: Provide flashing and trim formed from same material as metal panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, eaves, rakes, corners, bases, framed openings, ridges, fasciae, and fillers. Finish flashing and trim with same finish system as adjacent metal panels.
- D. Gutters and Downspouts: Formed from same material as roof panels according to SMACNA's "Architectural Sheet Metal Manual." Finish to match **metal roof panels**
- E. Roof Curbs: Fabricated from same material as roof panels, [0.048-inch (1.2-mm)] <Insert
- F. Panel Fasteners: Self-tapping screws designed to withstand design loads.
- G. Panel Sealants: Provide sealant type recommended by manufacturer that are compatible with panel materials, are non-staining, and do not damage panel finish.
 - 1. Sealant Tape: Pressure-sensitive, 100 percent solids, gray polyisobutylene compound sealant tape with release-paper backing; 1/2 inch wide and 1/8 inch thick.
 - 2. Joint Sealant: ASTM C 920; as recommended in writing by metal panel manufacturer.

3. Butyl-Rubber-Based, Solvent-Release Sealant: ASTM C 1311.

2.5 FABRICATION

- A. General: Fabricate and finish metal panels and accessories at the factory, by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with indicated profiles and with dimensional and structural requirements.
- B. On-Site Fabrication: Subject to compliance with requirements of this Section, metal panels may be fabricated on-site using UL-certified, portable roll-forming equipment if panels are of same profile and warranted by manufacturer to be equal to factory-formed panels. Fabricate according to equipment manufacturer's written instructions and to comply with details shown.
- C. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of panel.
- D. Fabricate metal panel joints with factory-installed captive gaskets or separator strips that provide a weathertight seal and prevent metal-to-metal contact, and that minimize noise from movements.
- E. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's recommendations and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.

2.6 FINISHES

- A. Panels and Accessories:
 1. Two-Coat Fluoropolymer: **AAMA 621** Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat.
 2. Three-Coat Fluoropolymer: **AAMA 621** Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in both color coat and clear topcoat.
 3. Siliconized Polyester: Epoxy primer and silicone-modified, polyester-enamel topcoat; with a dry film thickness of not less than **0.2 mil** for primer and **0.8 mil** for topcoat.
 4. Concealed Finish: White or light-colored acrylic or polyester backer finish.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Miscellaneous Supports: Install sub-framing, furring, and other miscellaneous panel support members and anchorages according to ASTM C 754 and metal panel manufacturer's written recommendations.

3.2 UNDERLAYMENT INSTALLATION

- A. Self-Adhering Sheet Underlayment: Apply primer if required by manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation. Apply at locations indicated **below**, wrinkle free, in shingle fashion to shed water, and with end laps of not less than **6 inches** staggered **24 inches** between courses. Overlap side edges not less than **3-1/2 inches (90 mm)**. Roll laps with roller. Cover underlayment within 14 days.
1. Apply over the roof area indicated below:
 - a. Roof perimeter for a distance up from eaves of **24 inches** beyond interior wall line.
 - b. Valleys, from lowest point to highest point, for a distance on each side of **18 inches**. Overlap ends of sheets not less than **6 inches**.
 - c. Rake edges for a distance of **18 inches** Hips and ridges for a distance on each side of **12 inches**
 - d. Roof-to-wall intersections for a distance from wall of **18 inches**
 - e. Around dormers, chimneys, skylights, and other penetrating elements for a distance from element of **18 inches**
- B. Slip Sheet: Apply slip sheet over underlayment before installing metal roof panels.
- C. Flashings: Install flashings to cover underlayment to comply with requirements specified in Section 076200 "Sheet Metal Flashing and Trim."

3.3 METAL PANEL INSTALLATION

- A. Standing-Seam Metal Roof Panel Installation: Fasten metal roof panels to supports with concealed clips at each standing-seam joint at location, spacing, and with fasteners recommended in writing by manufacturer.
1. Install clips to supports with self-tapping fasteners.
 2. Install pressure plates at locations indicated in manufacturer's written installation instructions.
 3. Snap Joint: Nest standing seams and fasten together by interlocking and completely engaging factory-applied sealant.
 4. Seamed Joint: Crimp standing seams with manufacturer-approved, motorized seamer tool so clip, metal roof panel, and factory-applied sealant are completely engaged.
 5. Watertight Installation:
 - a. Apply a continuous ribbon of sealant or tape to seal joints of metal panels, using sealant or tape as recommend in writing by manufacturer as needed to make panels watertight.
 - b. Provide sealant or tape between panels and protruding equipment, vents, and accessories.
 - c. At panel splices, nest panels with minimum **6-inch** end lap, sealed with sealant and fastened together by interlocking clamping plates.
- B. Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.

- C. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that will be permanently watertight and weather resistant.

3.4 CLEANING AND PROTECTION

- A. Remove temporary protective coverings and strippable films, if any, as metal panels are installed, unless otherwise indicated in manufacturer's written installation instructions. On completion of metal panel installation, clean finished surfaces as recommended by metal panel manufacturer. Maintain in a clean condition during construction.

END OF SECTION 074113.16

**FDEP Office of Operations
BUREAU OF DESIGN AND CONSTRUCTION**

**PRE-BID MEETING
SIGN IN SHEET**

Date: August 12, 2016 Project Number: N3203

Project Location: Ed Walling + Gulfview Heights
Walton County FL

Project Name: Regional Beach Access Improvements

Bid Number: _____

ATTENDEES: (Contractors)

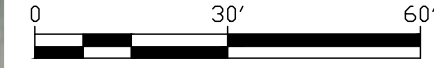
	NAME	ORGANIZATION	PHONE	EMAIL
1.	Connie Bailey	C.C. Bailey	850-699-1024	conniebailey@sprintmail.com
2.	Sean Person	CMC	850-308-7455	sean@cmc-s-corp.com
3.	Elisa Dawdy	CMC	850-240-4994	elisa@cmc-s-corp.com
4.	Mitt Fulmer	Floridian Constr	850-654-0930	FloridianConst
5.	JAMIE MILLER	NFC	850-674-5730	jamiemiller@nfc.com
6.	Brian Baxley	Reliant South	850-481-6207	Baxley@reliant-south.com
7.	Beverly Buck	SAMM Electric	850-834-4377	admin@sammene.com
8.	Bryan Newsum	Carthy Construction	648-5100	JBN@Carthyconstruction.com
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WEST COUNTY HIGHWAY 30A

REMOVE ITEMS TO BE REPLACED
(SEE PLUMBING AND ELECTRICAL PLANS)

DEMOLISH EXISTING
PICNIC SHELTERS AND
CONCRETE SLABS

SEE SHEET S106 FOR
ADDITIONAL DEMOLITION

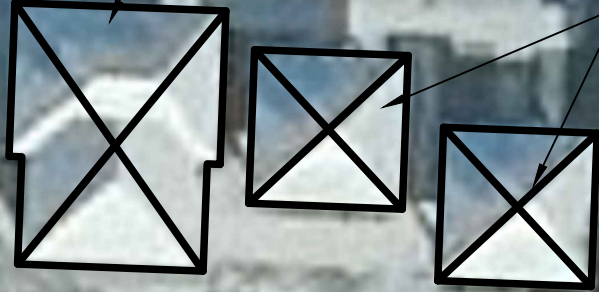


ISSUE DATE	06/20/2016	SYMBOL	REVISION	DATE	REVISION
COMP. FILE No.	N3203	(A)	APPENDIX #1	8-17-16	
STATE PROJECT No.	N3203	(B)			
DESIGNER :	DJP	PREBLE-RISH, INC. CONSULTING ENGINEERS 502 E. PARK AVE. • TALLAHASSEE, FL 32301 • (904) 245-2147 <small>For E. Paul Robertson Registration # 12400 Category 1 No. 12400-0001 For E. Paul Robertson Registration # 12400 Category 1 No. 12400-0001</small>			
PROFESSIONAL REGISTRATION		Department of Environmental Protection Deepwater Horizon Program Division of Water Restoration Assistance 3900 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2147			
PROFESSIONAL NAME					
LICENSE NUMBER					
DESIGNER :	DJP				
DRAWN BY :	RAJ				
REVIEWED BY :	DJP				
CONSULTANT :					
ED WALLINE REGIONAL BEACH ACCESS	SHEET NO. C100				
EXISTING CONDITIONS & DEMOLITION PLAN	PROJECT TITLE				
ED WALLINE & GULFVIEW HEIGHTS	REGIONAL BEACH ACCESS IMPROVEMENTS				

WEST COUNTY HIGHWAY 30A

RENOVATE RESTROOM FACILITIES
(SEE PLUMBING AND ELECTRICAL PLANS)

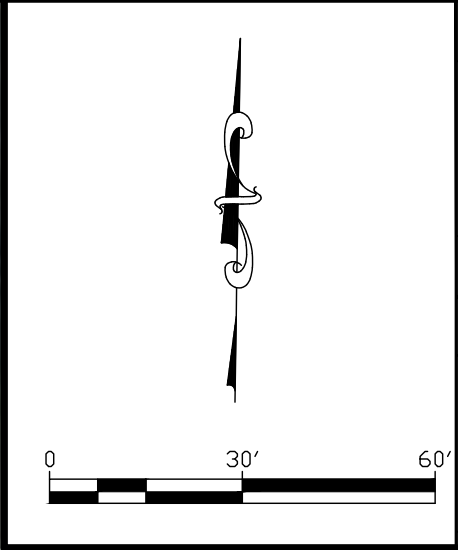
CONSTRUCT NEW CONCRETE SLABS AND
PICNIC SHELTERS IN SAME LOCATION
AS DEMOLISHED STRUCTURES
(SEE SHEETS S100-S106 FOR DETAILS)



NOTE:

1. COUNTY WILL EXPEDITE THE ISSUANCE OF THE BUILDING PERMIT.
CONTRACTOR SHALL ALLOW ONE (1) DAY FOR PERMITTING.

2. COUNTY WILL REMOVE AND REPLACE PICNIC TABLES AND GRILLS



ISSUE DATE	06/20/2016	SYMBOL	REVISION	DATE	REVISION
COMP. FILE No.	N3203	(A)		8-17-16	
STATE PROJECT No.	N3203	(B)	APPENDIX #1		
DESIGNER :	DJP	PREBLERISH, INC. CONSULTING ENGINEERS 502 E. PARK AVE. • TALLAHASSEE, FL 32301 • (904) 243-2000 <small>For E. Paul J. Preblersh, P.E. (License No. 120000001) David J. Preblersh, P.E. (License No. 120000002) Robert L. Preblersh, P.E. (License No. 120000003) Thomas J. Preblersh, P.E. (License No. 120000004) William H. Preblersh, P.E. (License No. 120000005)</small>			
DRAWN BY:	RAJ	Department of Environmental Protection Deepwater Horizon Program Division of Water Restoration Assistance 3900 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2147			
REVIEWED BY:	DJP	PROFESSIONAL REGISTRATION PROFESSIONAL NAME LICENSE NUMBER DEBRA ANN PREBLER, P.E. EB 00001235			
ED WALLINE REGIONAL BEACH ACCESS		SHEET NO.			
PLAN VIEW		C101			
PROJECT TITLE		ED WALLINE & GULFVIEW HEIGHTS			
REGIONAL BEACH ACCESS IMPROVEMENTS					

ED WALLINE NOTES

1. DESIGN CONSIDERATIONS: This project was designed to support the following dead and live loads:

Wind Loads per ASCE 7-10
 Ultimate Wind Speed.....130 mph
 Risk CategoryI
 Wind ExposureD
 Enclosure Classification.....Open
 Internal pressure coefficientsn/a
 Topographic Factor1.0
 Directionality Factor.....(.85)
 Gust Response Factor(.85)

Wind Load Design:
 Main Wind Force Resisting Systems:
 Per ASCE 7-10, Ch. 27 Directional Procedure

Components and Cladding:
 Roofing:

Upper Roof
 Zone 3 -95psf
 Walls
 Zone 1 -42 psf
 Zone 2 -62 psf
 Shed Roof
 Zone 2 -45 psf
 Zone 3 -98 psf

Columns: 15 plf

Roof Live Loads.....20 psf (horizontal projection)
 Dead Load.....Self weight of structure only

No other loads were considered.

These loads were applied in various combinations and with various factors and the system modeled using RISA3D, a general purpose structural analysis and design software program. The design was conducted in accordance with the American Forest and Paper Association's Allowable Stress Design Code; AF&PA NDS-12: ASD and the AISC 14th Ed. ASD for Steel Members

2. Sequence of Construction

- Demolition – completely demolish and remove both of the existing picnic shelters and dispose of materials in a licensed C&D Landfill
- Foundation:
 - Verify the location of any existing utility lines that may impact the construction, if there is a conflict report this to the engineer before proceeding.
 - Remove all grass and vegetation from the ground floor slab area and for a distance of about 4' all around.
 - Proof roll the area with a vibratory roller, with overlapping passes twice in each direction. Fill (if needed) shall be with clean white beach sand complying with Walton County Regulations, placed in maximum 12" loose lifts, compacting each lift to 98% of the soil's Modified Proctor, "maximum dry density" per ASTM 698. Fill to bottom of slab elevation.

- Excavate for perimeter slab thickened areas, re-compact any soils loosened during pile driving or excavation.
- Form the perimeter of the slab, place slab and column reinforcement and pour the concrete foundation.
- Saw cut the slab and apply a curing compound. Do not apply loads to the slab until the concrete has reached 75% of the design strength as verified by concrete cylinder tests.

- c. Superstructure:
- Pour concrete columns.
 - Set the perimeter glue lams and install the bracing
 - Set the interior glue lams
 - Erect the cupola framing
 - Set the shed roof rafters and decking
 - Set the cupola roof rafters and decking
 - Install window, siding and roofing.
 - Paint fascia boards.

Base Color: Pantone 7527 (flat)
 Trim Color: Pantone 7690 (semi-gloss)

3. MATERIALS OF CONSTRUCTION:

Lumber: Use only Visually Graded, un-treated, No.1, Solid-Sawn, Southern Pine lumber having the following minimum design properties:

Bending $F_b=1,050$ psi
 Tension $F_t=700$ psi
 Shear (Perpendicular) $F_v=175$ psi
 Compression (Parallel) $F_c=1450$ psi
 Modulus of Elasticity $E=1600000$ psi

Roof Decking: use 5/8" thick CDX Plywood or 1/2" OSB

Glue Laminated Wood Beams: Exterior use, appearance grade, structural glue laminated beams (glue lam) manufactured to conform to ANSI Standard A 190.1, ASTM D 3737, and made of visually graded Southern Pine wood (24FV1) having the following minimum design properties:

Bending $F_b = 2,400$ psi
 Tension $F_t = 1,100$ psi
 Shear (Perpendicular) $F_v = 200$ psi
 Compression (Parallel) $F_c = 1,350$ psi
 Modulus of Elasticity $E = 1,500,000$ psi

Use glue lam beams produced by Structural Wood System, Greenville Alabama (334-382-6534) or other reputable company who is a members of Engineered Wood Systems (a division of APA).

The company who provides glue lams shall provide instructions for handling in each shipment.

The company who provides glue lam shall also provide shop drawing to the engineer for review. Electronic submittals are welcome, please allow 5 working days for review.

Bolts:

For connecting wood members – use 304 stainless steel bolts or 304 stainless steel "all thread". The hole diameter shall be 1/16" larger than the bolt.

General – Place a heavy duty washer under each nut and bolt head. All hardware (bolts, nuts & washers) shall be 304 stainless steel.

Nails:

- To connect plywood or OSB to rafters and walls, use hot dipped galvanized 8d ring shank nails conforming to the requirements of ASTM F 1667,
- For framing connections use 16d galvanized common nails
- For Hurricane Clips use stainless steel nails; use the size and number of nails recommended by Simpson for the specified clip.

Rebar – use non-epoxy coated, deformed steel bars, with a yield strength of 60ksi (Grade 60) conforming to ASTM A 615M

Concrete – use redi-mixed Portland cement concrete mixture having a 28 day compressive strength of 4,000 psi or greater, proportioned in accordance with ACI 211.1 and the following:

- The nominal aggregate size is 1.5 inches,
- Air entrainment of 2.5%,
- Water cement ratio of .40 to .55 and a maximum slump less than 4"
- Use only FDOT approved aggregates, free of clayey coatings and as clean as possible.
- ADDITIVES: Concrete accelerators and plasticizers are allowed subject to engineer's approval. Apply an approved curing compound to the finished surface as soon as possible/practical following the finishing operations.

Welded Wire Mesh: Use welded wire mesh conforming to ASTM A 1064 – with 65,000psi yield strength steel, 6x6 – W4.5 x W4.5

Roofing – match the type, style and color of the standing seam metal roof on the adjacent (bathroom) building. Install in accordance with the manufacturers literature and include drip edge and flashing where appropriate.

Steel Plates – use 304 stainless steel.

NOTES CONTINUED ON SHEET S106



PROFESSIONAL REGISTRATION PROFESSIONAL NAME LICENSE NUMBER	DESIGNER: GSP DRAWN BY: RAJ REVIEWED BY: GSP	ISSUE DATE: 06/20/2016 COMP. FILE NO.: N3203 STATE PROJECT NO.: N3203	SYMBOL: (A) (B)	REVISION: (A) (B)	DATE: 8-17-16
ED WALLINE REGIONAL BEACH ACCESS		STRUCTURAL NOTES		Department of Environmental Protection Deepwater Horizon Program Division of Water Restoration Assistance 3900 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2147	
PROJECT TITLE ED WALLINE & GULFVIEW HEIGHTS REGIONAL BEACH ACCESS IMPROVEMENTS		SHEET NO. S105		GREGORY S. PREBLE, P.E. EB 0031159	

Hurricane Clips – use Simpson H10ASS and H2.5ASS (stainless steel) to connect the rafters.

4. Steel Fabrication:

- a. Welding – all welding shall be in accordance with the American Welding Society Structural Welding Code (Steel). Nondestructive testing of welds is not required.
- b. To the extent possible, conduct welding in the shop. Do not field weld unless un-avoidable.
- c. Fabricator is encouraged but not required to submit shop drawings for review and verification of the engineer's intent. Electronic submittals are welcome, please allow one week for engineer's review.
- d. Fabrication and welding shall be done in a shop specializing in this type of work. Contractors who want to perform this work "in-house" will be required to show proof of competency. Proof of competency will include a description of the location and facilities where the work will be performed, names and certifications of the individuals who will perform the fabrication work, and a list of previously completed projects that demonstrate a level of competency commensurate with this project.
- e. All welding shall be done by electric arc using "stick" or "MIG" welding equipment (FCAW or GMAW). All welds (except fillets) which will be visible after construction, shall be ground flush.
- f. The contractor is encouraged but not required to provide shop drawing to the Engineer for his review. Please allow one week for review.

5. Concrete Protection for Reinforcing Bars:

Concrete cover (measured to the outside edge of stirrup, or if no stirrup exists then the outside edge of reinforcing bar) is 3" clear at the bottom and sides for ground floor slabs (concrete cast against earth), 2 1/2" top. 2 1/2" for columns (all sides).

6. Lead Holes for Lag Screws: Use only ASTM A307 galvanized steel lag screws where lag screws are called for in these plans: Drill a properly sized "lead hole" prior to installing any lag screws:

Nominal Diameter of Lag Bolt (in)	Lead Hole Diameter (in)
3/8	15/64
1/2	5/16
5/8	13/32
3/4	1/2
7/8	39/64
1	23/32

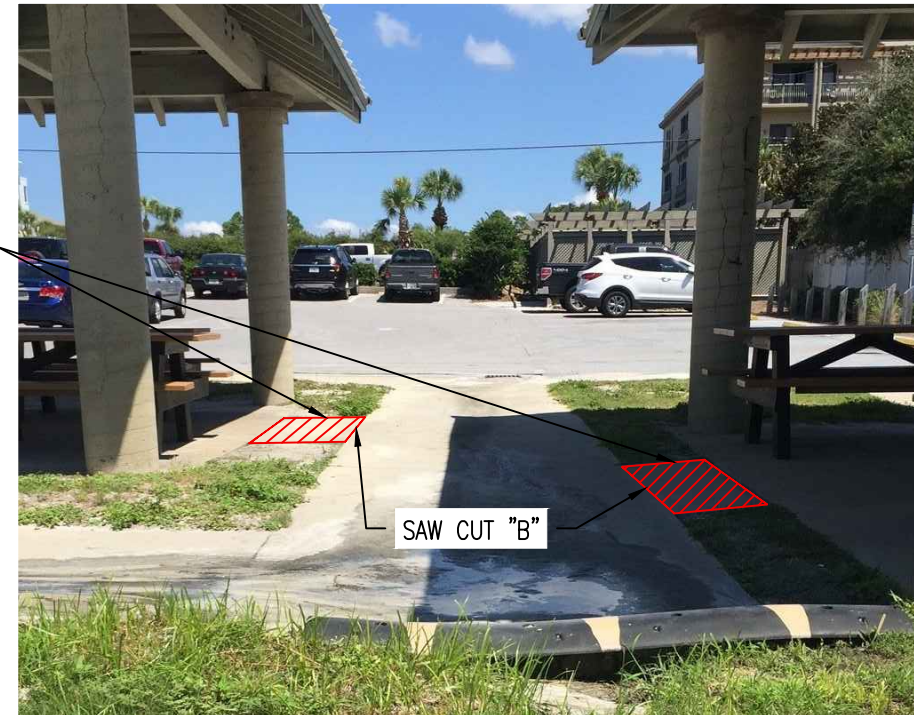
7. Roof and Wall Sheathing Nail Pattern; 6" on-center, edge & field.

CONTRACTOR SHALL SAW CUT ALONG EXISTING CONSTRUCTION JOINTS AS SHOWN AND REMOVE CONCRETE SIDEWALK WHERE HATCHED. CONTRACTOR SHALL CONSTRUCT A NEW 4" THICK CONCRETE SIDEWALK THAT MATCHES ELEVATION OF SAW CUT "A" AND THE NEW F.F.E. OF PAVILION



CONTRACTOR SHALL REMOVE AND REPLACE FRENCH DRAIN

CONTRACTOR SHALL SAW CUT ALONG EXISTING CONSTRUCTION JOINTS AS SHOWN AND REMOVE CONCRETE SIDEWALK WHERE HATCHED. CONTRACTOR SHALL CONSTRUCT A NEW 4" THICK CONCRETE SIDEWALK THAT MATCHES ELEVATION OF SAW CUT "B" AND THE NEW F.F.E. OF PAVILION



A

	ISSUE DATE: 06/20/2016	COMPL. FILE NO.: N3203	STATE PROJECT NO.: N3203	REVISION	DATE
DESIGNER : GSP	DRAWN BY: RAJ	REVIEWED BY: GSP	APPENDIX #1	SYMBOL	DATE
PROFESSIONAL REGISTRATION PROFESSIONAL NAME LICENSE NUMBER	PREBLE-RISH, INC. CONSULTING ENGINEERS 502 E. PARK AVE. • TALLAHASSEE, FL 32301 • (850) 225-2000 <small>For Florida Information: State Board of Professional Engineers & Surveyors, Tallahassee, Florida</small>		SYMBOL	REVISION	DATE
PROJECT TITLE	ED WALLINE REGIONAL BEACH ACCESS		SYMBOL	REVISION	DATE
SHEET TITLE	STRUCTURAL NOTES		SYMBOL	REVISION	DATE
PROJECT TITLE	ED WALLINE & GULFVIEW HEIGHTS REGIONAL BEACH ACCESS IMPROVEMENTS		SYMBOL	REVISION	DATE
SHEET NO.	S106		SYMBOL	REVISION	DATE



S106

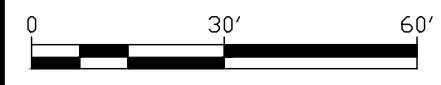
GULF DUNES LANE

GULF VIEW HEIGHTS

RENOVATE RESTROOM FACILITIES
(SEE PLUMBING AND ELECTRICAL PLANS)

CONTRACTOR SHALL INSTALL NEW SOFFIT, TRIM,
AND FASCIA METAL ON RESTROOM STRUCTURE.
(SHALL INCLUDE ALL NECESSARY MATERIAL TO
COMPLETE REPLACEMENT. THIS MAY NOT BE
LIMITED TO NAILER BOARDS)

NOTE:
1. COUNTY WILL EXPEDITE THE ISSUANCE OF THE BUILDING PERMIT.
CONTRACTOR SHALL ALLOW ONE (1) DAY FOR PERMITTING.



SHEET NO. C103	PROJECT TITLE ED WALLINE & GULFVIEW HEIGHTS REGIONAL BEACH ACCESS IMPROVEMENTS		SHEET TITLE PLAN VIEW		PROFESSIONAL REGISTRATION PROFESSIONAL NAME ED WALLINE LICENSE NUMBER ED 0000135		DESIGNER : DJP DRAWN BY: RAJ REVIEWED BY: DJP		ISSUE DATE: 06/20/2016 COMP. FILE No.: N3203 STATE PROJECT No.: N3203		SYMBOL A	REVISION #1	DATE 8-17-16	SYMBOL B	REVISION #1	DATE
	PREBLERISH, INC. CONSULTING ENGINEERS 502 E. PARK AVE. • TALLAHASSEE, FL 32301 • (904) 243-2000 <small>For E. Walline: Registration: 12/2009, 12/2011, 12/2013, 12/2015, 12/2017, 12/2019, 12/2021, 12/2023, 12/2025 For E. Walline: Registration: 12/2009, 12/2011, 12/2013, 12/2015, 12/2017, 12/2019, 12/2021, 12/2023, 12/2025</small>															
Department of Environmental Protection Deepwater Horizon Program Division of Water Restoration Assistance 3900 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2147																