RFP 2016-0009 - ADDENDUM 3

COLIGNY REDEVELOPMENT PROJECT

Town of Hilton Head Island, South Carolina

Date Issued: August 5, 2016

Note. The following items shall take precedence over the plans and specifications for the above named project and shall become part of the contract documents.

Where any item called for in the specifications or indicated on the drawings is supplemented hereby, the original requirements shall remain in effect.

Where any original item is amended, voided or superseded hereby, the provisions of such item no specifically amended, voided or superseded shall remain in effect.

Acknowledge receipt of this Addendum in the space provided on the Project Transmittal. Failure to do so may subject the Offeror to disqualification.

The following changes are to be incorporated into the Construction Documents for RFP 20016-0009. All those receiving this addendum should modify their set of contract documents to show the below described changes.

Item 1. **Questions & Answers regarding the proposal**

Q.1 Will the Town provide a knowledgeable engineer with the authority to handle the day to day questions (RFI's) and who is authorized to approve unforeseen change orders that arise?

A.1 Yes. As discussed at the pre-proposal meeting the Town will provide appropriate personnel (staff and consultants) to manage the project.

Q.2 Will the Town add a Construction contingency line item to each project to insure that the funds are available to handle any unforeseen conditions (change orders) that will arise? Having the built in contingency will prevent having to go back to Council for more money while the job is underway. If there is not a contingency in place to handle unforeseen conditions then the approval process could create job delays that would trigger liquidated damages, etc. This would not be a good situation for the Town or the contractors.

A.2 Yes, the Town will have a contingency for the project.

Q.3 Will the SCDOT and its hired testing agency be in charge of signing off on each phase of roadway work prior to the Town approving applications for payment or final payment?

A.3 No.

Q.4 Will the Town or the SCDOT be in charge of issuing the certificates of substantial completion?

A.4 The Town will be in charge of issuing the certificates of substantial completion.

Q.5 Have all of the necessary roadway permits been obtained from the DOT?

A.5 No. Permit applications have been submitted and the Town/consultants are addressing SCDOT comments.

Q.6 The restroom buildings have a detail that shows treated plywood secured directly over the face of the cmu blockwork, with Cementous siding installed over the plywood. A much better

detail is to install 2 x 4 treated sleepers over the cmu at 16 inches on center and then secure the plywood and siding to this.

A.6 See revised detail on sheet A0.001.

Q.7 Will building permit fees have to be paid by the contractor?

A.7 Per the pre-proposal conference discussion, the building permits will be initialized by the Town and updated by the selected offeror. Building permit fees will not be changed on the Town project.

Item 2. Technical Specifications

2.1 018113.13 SUSTAINABLE DESIGN REQUIREMENTS

A. Insert the attached LEED Checklist at the end of this section, as described in paragraph 1.2 of this section, this is provided for information only.

2.2 074113.16 STANDING-SEAM METAL ROOF PANELS

A. Add paragraph 2.2, B, 2, f, as follows:
"f. CMP Series 2500 double locked."

2.3 072726 FLUID-APPLIED MEMBRANE AIR BARRIERS

A. Add paragraph 2.3, A, 1, a, 4) as follows:
"4) WR Meadows, Air Shield LMP."

2.4 083700 WOOD DOORS

A. Add paragraph 1.8, as follows:
"1.8. QUALITY ASSURANCE: All products specified in sections 085200 Wood Windows, 083700 Wood Doors and this section shall be provided by a single manufacturer and installed by a single installer, approved by the manufacturer."

2.5 083705 INTERIOR WOOD DOORS AND WINDOWS – VESTIBULE

A. Specification Section Added.

2.6 085200 WOOD WINDOWS

A. Add paragraph 1.6, D, as follows:
"D. All products specified in sections 083700 Wood Doors, 083705 Interior Wood Doors and Windows- Vestibules and this section shall be provided by a single manufacturer and installed by a single installer, approved by the manufacturer."

2.7 087100 DOOR HARDWARE

A. Add Hardware set 16 as follows:

HARDWARE SET NO. 16 - JELD WEN DOORS INTERIOR VESTIBULE

FOR USE ON MARK/DOOR #(S):
100A 100B
THE FOLLOWING HARDWARE SHALL PROVIDED BY JELD-WEN SUPPLIER.

2	SET	HINGES	PRE-HUNG DOORS	626

SECTION 087100 SHALL FURNISH PER PAIR:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
2	EA	PUSH BAR	350DT	626	VON

2	EA	SURFACE CLOSER	4050 SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4050-18PA	689	LCN
2	EA	SOFFIT SHOE SUPPORT	4050-30	689	LCN
2	EA	KICK PLATE	8400 6" X 2" LDW B-CS	630	IVE

1. THE GC, THE DOOR SUPPLIER & THE HARDWARE SUPPLIER SHALL COORDINATE THE HARDWARE APPLICATIONS. VERIFY ALL DOOR DIMENSIONS FOR HARDWARE APPLICATIONS.

2.8 099300 STAINING AND TRANSPARENT FINISHING

A. Add paragraph 1.2, A, 2, e and f, as follows:
"e. Interior unfinished wood window and door framing
f. Interior wood trim"

B. Add paragraphs 1.2, B, 3 and 4 as follows:
"3. Sections 085200 "Wood Windows" , 083700 "Wood Doors" and 083705 "Interior Wood Doors and Windows" for unfinished wood to receive staining."
4. Sections 064600 "Wood Trim" for interior wood to receive a stained finish.

2.9 124813 ENTRANCE FLOOR MATS AND FRAMES

A. Specification Section Added.

2.10 133123 TENSILE FABRIC STRUCTURES

A. Specification Section Added

2.11 129300 SITE FURNISHINGS

A. Paragraph 2.12, Drinking Fountains; add :
"8. Equal products by **Murdock Mfg.,** 15125 Proctor Avenue, City of Industry, CA 91746, www.murdockmfg.com, 843.757.3156 will be acceptable. Model number GYM5X-PF-MO-IAP, brown powder coat pedestal mounted drinking fountain with pushbutton bottle filler, pet fountain and in-ground anchor plate. "

Item 3. Project Drawings – see attachments

3.1 SHEET L-103-B

A. Has been modified to add a Pool Emergency Cut-off switch sign with shunt trip button adjacent to fountain pool equipment.

3.2 SHEET L-306

A. Detail 5 has been modified to add a Pool Emergency Cut-off sign with shunt trip button and emergency phone device mounted to an 8x8 post.

3.3 SHEET L-401

A. Has been modified to include landscape revisions

3.4 SHEET L-403

A. Has been modified to include landscape revisions

3.5 SHEET L-405

A. Has been modified to reflect revisions to the Plant Schedule

3.6 SHEET A0.001

A. Modified assembly EW-05 to add furring strips. This is now typical where this detail occurs throughout the set.

3.7 SHEET A0.003

B. Added Door 100A and Door 100B to the door schedule

3.8 SHEET A1.101

A. Added Door 100A and stained wood trim at north entrance
B. Added Door 100B and stained wood trim at south entrance
C. Added shade structures and foundations at playground area outside
   1. south entrance.
D. Added recessed entrance mats at both entrances

3.9 SHEET A1.102

A. Added shade structures and foundations at playground area outside
   1. south entrance.

3.10 SHEET A1.121

A. Added shade structures and foundations at playground area outside
   1. south entrance.
B. Added recessed entrance mats at both entrances

3.11 SHEET A1.201

A. Added gypsum wall board ceiling at both entrances
B. Added gypsum wall board soffit at west exterior wall at mechanical
   1. piping.

3.12 SHEET A1.303

A. Added Door 100A, stained wood trim, and gypsum wall board ceiling and framing at north entrance.
B. Added Door 100B, stained wood trim, and gypsum wall board ceiling
   1. and framing at south entrance.
C. Added recessed entrance mat at both entrances.

3.13 SHEET A1.304

A. Added gypsum wall board soffit at west exterior wall at mechanical
   1. piping.

3.14 SHEET A1.401

A. Added Door 100A, stained wood trim, and gypsum wall board ceiling and framing at north entrance.
B. Added recessed entrance mat at entrance

3.15 SHEET A1.402

A. Added Door 100A, stained wood trim, and gypsum wall board ceiling and framing at south entrance.

3.16 SHEET A1.404

A. Added gypsum wall board soffit at west exterior wall at mechanical
   1. piping.

3.17 SHEET A1.405

A. Added Stained wood trim and gypsum wall board ceiling and framing at south entrance.
B. Add recessed entrance mat at entrance

3.18 SHEET A1.501

A. Added Window Type A* (at interior, lower portion of window system only)

3.19 SHEET A1.502

A. Added stained wood trim and gypsum wall board ceiling and framing.
B. Add recessed entrance mat at entrance

3.20 SHEET A1.503

A. Added stained wood trim and gypsum wall board ceiling and framing.

3.21 SHEET A1.504

A. Added alum window system and stained wood trim.

3.22 SHEET A2.103

A. Revised door locations
B. Revised Women's 401 restroom layout
C. Revised toilet accessories locations (Men's & Women's)
D. Revised Soap Dispenser Mounting Height

3.23 SHEET A2.304

A. Revised door locations
B. Revised Women's 401 restroom layout
C. Revised toilet accessories locations (Men's & Women's)

3.24 SHEET A2.404

A. Revised door locations
B. Revised Women's 401 restroom layout
C. Revised toilet accessories locations (Men's & Women's)

3.25 SHEET S1.100

A. Added sail foundations and notes

3.26 SHEET S.101

A. Added sail foundations

3.27 SHEET S1.104

A. Added framing for vestibules

3.28 SHEET S1.203

A. Added details for sail foundations.

3.29 SHEET S1.404

A. Added beam at vestibule to details.

3.30 SHEET E0.002

A. Modified equipment connection schedule.

3.31 SHEET E0.050

A. Modified panel schedule for MDP-C to add circuits for mini-splits.

3.32 SHEET E1.101

A. Added power to mini-splits.

3.33 SHEET E1.102

A. Added lighting in vestibule.

3.34 SHEET FP1.101

A. Added vestibules.
B. Added Sections 4 & 5 showing vestibules.
C. Revised General Notes 2 and 3.

3.35 SHEET M0.001

A. Updated Split System Air Handler Schedule.

3.36 SHEET M0.002

A. Added Refrigerant Pipe Installation Detail.

3.37 SHEET M1.101

A. Added AH-6 and AH-7 to vestibules.
B. Added HP-6/7 to enclosure outside.
C. Showed routing for refrigerant and condensate lines serving AH-6 and AH-7.
D. Added Keyed Notes and General Notes.

Attachments:

Addendum 3 – Attachment 1: Technical Specs:

Section 018113.13 SUSTAINABLE DESIGN REQUIREMENTS – LEED checklist
Section 083705 INTERIOR WOOD DOORS AND WINDOWS – VESTIBULE
Section 124813 ENTRANCE FLOOR MATS AND FRAMES
Section 133123 TENSILE FABRIC STRUCTURES

Addendum 3 – Attachment 2: Drawing Sheets:

L-103-B	A1.303	A2.304	FP1.101
L-306	A1.304	A2.404	M0.001
L-401	A1.401	S1.100	M0.002
L-403	A1.402	S1.101	M1.101
L-405	A1.404	S1.104	
A0.001	A1.405	S1.203	
A0.003	A1.501	S1.404	
A1.101	A1.502	E0.002	
A1.102	A1.503	E0.050	
A1.121	A1.504	E1.101	
A1.201	A2.103	E1.102	

Reminder: The final addendum will be issued no later than Thursday, 08/11/16 at 4:30 pm. Sealed proposals are due by 2:00 pm on August 25, 2016.

LEED v. 3
New Construction

MERRICK® EnergyAce DIVISION

HHI Children's Museum

8/5/2016

Yes	?	No	Points		Project Information Forms		
Y	Required			PIf1	**Minimum Program Requirements**	D	
Y	Required			PIf2	**Project Summary Details**	D	
Y	Required			PIf3	**Occupant & Usage Data**	D	
Y	Required			PIf4	**Schedule & Overview Documents**	D	
Yes	?	No					
10	2	14	26 Points		Sustainable Sites		
Y	*Required*			SSp1	**Construction Activity Pollution Prevention**	C	
1			1	SSc1	**Site Selection**	D	
		5	5	SSc2	**Development Density and Community Connectivity**	D	
		1	1	SSc3	**Brownfield Redevelopment**	D	
		6	6	SSc4.1	**(RP) Alternative Transportation**, Public Transportation Access	D	
		1	1	SSc4.2	**Alternative Transportation**, Bicycle Storage & Changing Rooms	D	
3			3	SSc4.3	**Alternative Transportation**, Low Emitting & Fuel Efficient Vehicles	D	
2			2	SSc4.4	**Alternative Transportation**, Parking Capacity	D	
	1		1	SSc5.1	**Reduced Site Disturbance**, Protect or Restore Habitat	D	
1			1	SSc5.2	**Reduced Site Disturbance**, Maximizing Open Space	D	
		1	1	SSc6.1	**(RP) Stormwater Management**, Quantity Control	D	
1			1	SSc6.2	**Stormwater Management**, Quality Control	D	
1			1	SSc7.1	**Landscape & Exterior Design to Reduce Heat Islands**, Non-Roof	C	
1			1	SSc7.2	**Landscape & Exterior Design to Reduce Heat Islands**, Roof	D	
	1		1	SSc8	**Light Pollution Reduction**	D	
Yes	?	No					
7	1	2	10 Points		Water Efficiency		
Y	*Required*			WEp1	**Water Use Reduction**, 20% Reduction	D	
4			2-4	WEc1	**Water Efficient Landscaping**, Design for no potable water after 18 months	D	
		2	2	WEc2	**Innovative Wastewater Technologies**	D	
3	1		2-4	WEc3	**(RP) Water Use Reduction**	D	
Yes	?	No					
10	10	15	35 Points		Energy & Atmosphere		
Y	*Required*			EAp1	**Fundamental Commissioning of the Building Energy Systems**	C	
Y	*Required*			EAp2	**Minimum Energy Performance**, 10% New Bldg or 5% Existing Bldg	D	
Y	*Required*			EAp3	**Fundamental Refrigerant Management**	D	
5	8	6	1-19	EAc1	**(RP) Optimize Energy Performance**	D	
		7	1-7	EAc2	**On Site Renewable Energy**	D	
2			2	EAc3	**Enhanced Commissioning**	C	

2			2	EAc4	**Enhanced Refrigerant Management**	D	
1		2	3	EAc5	**Measurement & Verification**	D	
	2		2	EAc6	**Green Power**	C	

Yes	?	No		
6	1	7	14 Points	Materials & Resources

Y	Required			MRp1	**Storage & Collection of Recyclables**	D	
		3	1-3	MRc1.1	**Building Reuse**, Maintain Existing Walls, Floors and Roof (55, 75, 95%)	C	
		1	1	MRc1.2	**Building Reuse**, Maintain 50% of Interior Non-Structural Elements	C	
2			1-2	MRc2	**Construction Waste Management**	C	
		2	1-2	MRc3	**Materials Reuse**	C	
2			1-2	MRc4	**Recycled Content 20%**	C	
2			1-2	MRc5	**Regional Materials 20%**	C	
		1	1	MRc6	**Rapidly Renewable Materials**, 2.5% total materials cost	C	
	1		1	MRc7	**Certified Wood**, 50% by cost of all new wood	C	

Yes	?	No		
12	2	1	15 Points	Indoor Environmental Quality

Y	Required			EQp1	**Minimum IAQ Performance**	D	
Y	Required			EQp2	**Environmental Tobacco Smoke (ETS) Control**	D	
1			1	EQc1	**Outdoor Air Delivery Monitoring**	D	
		1	1	EQc2	**Increased Ventilation**	D	
1			1	EQc3.1	**Construction IAQ Management Plan**, During Construction	C	
1			1	EQc3.2	**Construction IAQ Management Plan**, Before Occupancy	C	
1			1	EQc4.1	**Low-Emitting Materials**, Adhesives and Sealants	C	
1			1	EQc4.2	**Low-Emitting Materials**, Paints and Coatings	C	
1			1	EQc4.3	**Low-Emitting Materials**, Flooring Systems	C	
1			1	EQc4.4	**Low-Emitting Materials**, Composite Wood and Agrifiber	C	
1			1	EQc5	**Indoor Chemical & Pollutant Source Control**	D	
	1		1	EQc6.1	**Controllability of Systems**, Lighting	D	
	1		1	EQc6.2	**Controllability of Systems,** Thermal Comfort	D	
1			1	EQc7.1	**(RP) Thermal Comfort**, Comply with ASHRAE 55-2004	D	
1			1	EQc7.2	**Thermal Comfort**, Verification	D	
1			1	EQc8.1	**Daylight & Views**, Daylight 75% of Spaces	D	
1			1	EQc8.2	**Daylight & Views**, Views for 90% of Spaces	D	

Yes	?	No		
6			6 Points	Innovation & Design Process

1			1	IDc1.1	**Innovation in Design**: NSF 140 Carpet	C	
1			1	IDc1.2	**Innovation in Design**: MRc2 95% Waste Diversion OR Green Cleaning	C	
1			1	IDc1.3	**Innovation in Design**: Exemplary Performance TBD	D	
1			1	IDc1.4	**Innovation in Design**: Sustainable Education	C	
1			1	IDc1.5	**Innovation in Design**: Reduced Mercury in Lamps	C	
1			1	IDc2	**LEED™ Accredited Professional**	C	

Yes	?	No					
2	2		4 Points	Regional Priority Credits			
1			1	RPc1.1	**Regional Priority Credit:IEQc7.1**	*D*	
	1		1	RPc1.2	**Regional Priority Credit: EAc1 24% savings**	*D*	
1			1	RPc1.3	**Regional Priority Credit: MRc2 50% Waste Diversion**	*D*	
	1		1	RPc1.4	**Regional Priority Credit: SSc6.1, EAc2, WEc3 40%**	*D*	

53	18	39	Project Total (pursuing)	Certified 40-49 pts / Silver 50-59 pts / Gold 60-79 pts / Platinum 80+ pts

SECTION 083705 INTERIOR WOOD DOORS AND WINDOWS – VESTIBULE

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Out-Swing Commercial Wood Doors and Wood Windows – Vestibule application

B. Window & Door Manufacturers Association (WDMA)

1. WDMA I.S.4; Water Repellent Preservative Non-Pressure treatment for Millwork

1.2 SUBMITTALS

A. Refer to Section Submittal Procedures

B. Product Data: Submit door manufacturer current product literature, including installation instruction.

C. Samples: Provide finish samples for all products.

D. Quality Assurance Submittals

1. Manufacturer Instructions: Provide manufacturer's written installation instructions.

E. Closeout Submittals

1. Refer to Section Closeout Submittals

1.3 RELATED SECTIONS

1. 099300 STAINING AND TRANSPARENT COATINGS for finishing interior exposed frames in the field.
2. 085200 Wood Windows and 083700 Wood Doors for adjacent frames.

1.4 QUALITY ASSURANCE

1. All products specified in sections 085200 Wood Windows, 087300 Wood Doors and this section shall be provided by a single manufacturer and installed by a single installer, approved by the manufacturer.

1.5 DELIVERY, STORAGE AND HANDLING

A. Refer to Section 01 60 00 Product Requirements

B. Deliver door and window materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Store units as recommended by manufacturer.

1.6 WARRANTY

A. Refer to Section 01 78 36 Warranties

B. Manufacturer standard warranty indicating that the door and windows will be free from material and workmanship defects from the date of substantial completion for the time periods indicated below:

1. Commercial Epic Door and window units: 20 years

2. Wood rot: 20 years

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. Basis of Design : Subject to compliance with requirements, provide EPIC Wood Doors and windows from Jeld-Wen or comparable product by one of the following:
1. Marvin Windows
2. Pella Corporation

2.2 MATERIALS

A. Exterior: Western Pine, preservative treated with AuraLast® in accordance with WDMA I.S.4. (Basis of Design: or equal)

B. Interior Wood: Western Pine

C. Natural exterior finish – stain grade. Finger joints not acceptable

2.3 MANUFACTURED UNITS

A. Frame

1. Kiln-dried pine AuraLast® treated wood – stain grade – finger joint not acceptable

2. Jamb Width: 6-9/16 inch (116 mm)

B. Door Panels

1. Kiln-dried pine AuraLast® treated wood and Timberstrand engineered wood substrate.

2. Thickness: 2 ¼”

3. Layout: 6-5/8 inch top rail and stiles, 10-1/4 inch bottom rail

4. Wood raised panels

5. Match design and profile exterior clad door units

C. Weatherstripping: Continuous dual foam filled bulb seal compressed between exterior of panel and all four sides of frame. Manufacturer’s standard two-piece adjustable astragal on double door units.

D. Door Sill: none required

E. Door Hardware: 4 ½” ball bearing hinges

HARDWARE SET NO. 16 - JELD WEN INTERIOR VESTIBULE

FOR USE ON MARK/DOOR #(S):
100A 100B
THE FOLLOWING HARDWARE SHALL PROVIDED BY JELD-WEN SUPPLIER.

2	SET	HINGES	PRE-HUNG DOORS	626

THE FOLLOWING ITEMS SHALL BE FURNISHED BY SECTION 087100:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
2	EA	PUSH BAR	350DT	626	VON
2	EA	SURFACE CLOSER	4050 SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4050-18PA	689	LCN
2	EA	SOFFIT SHOE SUPPORT	4050-30	689	LCN
2	EA	KICK PLATE	8400 6" X 2" LDW B-CS	630	IVE

1. THE GC, THE DOOR SUPPLIER & THE HARDWARE SUPPLIER SHALL COORDINATE THE HARDWARE APPLICATIONS. VERIFY ALL DOOR DIMENSIONS FOR HARDWARE APPLICATIONS.

F. Glazing : ¼” single glazing - Tempered

PART 3 - EXECUTION

3.1 GENERAL

A. Install doors and windows in accordance with manufacturer’s installation guidelines and recommendations.

3.2 EXAMINATION

A. Inspect doors and windows prior to installation.

B. Inspect rough opening for compliance with door manufacturer recommendations. Verify rough opening conditions are within recommended tolerances.

3.4 CLEANING

C. Remove Preserve® film from glass.

D. Clean the exterior surface and glass with mild soap and water.

3.5 PROTECTION

E. Protect installed doors and windows from damage.

END OF SECTION

SECTION 124813 - ENTRANCE FLOOR MATS AND FRAMES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following:

1. Entrance mats in recessed frames.

B. Related Sections include the following:

1. Division 03 Section "Cast-in-Place Concrete" for slab depression grouting and filling for recessed mats and frames.

1.3 ACTION SUBMITTALS

A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.

B. Shop Drawings: Show the following:

1. Items penetrating floor mats and frames.

C. Samples for Initial Selection: For each type of product indicated.

D. Samples for Verification: For each type of product indicated.

1. Floor Mat: 12-inch- square, assembled sections of floor mat.
2. Frame Members: 12-inch- long Sample of each type and color.

1.4 CLOSEOUT SUBMITTALS

A. Maintenance Data: For floor mats and frames to include in maintenance manuals.

1.5 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials described below that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Entrance Tiles: Full-size units equal to 2 percent of amount installed for each size, color, and pattern indicated, but no fewer than 10 units.

1.6 QUALITY ASSURANCE

A. Source Limitations: Obtain floor mats and frames through one source from a single manufacturer.

B. Accessibility Requirements: Provide installed floor mats that comply with Section 4.5 in the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)."

1.7 PROJECT CONDITIONS

A. Field Measurements: Indicate measurements on Shop Drawings.

1.8 COORDINATION

A. Coordinate size and location of recesses in concrete with installation of finish floors to receive floor mats and frames.

PART 2 - PRODUCTS

2.1 ENTRANCE MATS

A. Basis-of-Design Product: Subject to compliance with requirements, provide the Basis of Design product: Construction Specialties, Inc. G8 Pedigrid SA shall be an extruded one piece 6105-T5 aluminum alloy. Serrated tread rails to be joined mechanically by 6106-T6 aluminum alloy, key lock bars. (Welding or bolting shall not be permitted.), or a comparable product by one of the following, or prior approved equal:

1. Balco, Inc.
2. Mats, Inc.
3. Pawling Corporation; Architectural Products Division.

B. Recessed Frames: Mat with serrated treads. shall be 6063-T5 aluminum alloy with 1/2"(12.7mm) exposed surface and a depth of 1-13/16" (46.0mm). 1/4"(6.4mm) thick EPDM support cushions 1" (25.4mm) long mounted to each continuous foot at 20" (0.51m) on center. Frame finish to be clear anodized (standard).

1. Extruded Aluminum: ASTM B 221, Alloy 6061-T6 or Alloy 6063-T5, T6, or T52.
2. Color: Mill-finish.
3. Tread Rail Modules: Extruded aluminum interlocking tread rail.
4. Treads: Serrated

2.2 FABRICATION

A. Floor Mats: Shop fabricate units to greatest extent possible in sizes indicated. Unless otherwise indicated, provide single unit for each mat installation; do not exceed manufacturer's recommended maximum sizes for units that are removed for maintenance and cleaning. Where joints in mats are necessary, space symmetrically and away from normal traffic lanes. Miter corner joints in framing elements with hairline joints or provide prefabricated corner units

without joints.

B. Recessed Frames: As indicated, for permanent recessed installation, complete with corner pins or reinforcement and anchorage devices.

1. Fabricate edge-frame members in single lengths or, where frame dimensions exceed maximum available lengths, provide minimum number of pieces possible, with hairline joints equally spaced and pieces spliced together by straight connecting pins.

C. Coat surfaces of aluminum frames that will contact cementitious material with manufacturer's standard protective coating.

2.3 ALUMINUM FINISHES

A. General: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Class II, Clear Anodic Finish: AA-M12C22A31 (Mechanical Finish: nonspecular as fabricated; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class II, clear coating 0.010 mm or thicker) complying with AAMA 611.

C. Frame: 1-1/2-inch wide tapered aluminum.

D. Color: To match floor.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and floor conditions for compliance with requirements for location, sizes, and other conditions affecting installation of floor mats and frames.

1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install recessed mat frames to comply with manufacturer's written instructions. Set mat tops at height recommended by manufacturer for most effective cleaning action; coordinate top of mat surfaces with bottom of doors that swing across mats to provide clearance between door and mat.

3.3 PROTECTION

A. After completing frame installation and concrete work, provide temporary filler of plywood or fiberboard in recesses and cover frames with plywood protective flooring. Maintain protection until construction traffic has ended and Project is near Substantial Completion.

END OF SECTION 124813

SECTION 133123 - TENSILE FABRIC STRUCTURES

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 DEFINITIONS

A. Tensile Fabric Structure: Cable and/or frame supported tensile membrane- covered fabric structure; incorporating a fabric with low elongation characteristics under tension and capable of an anticlastic configuration. Fabric structures in which fabric is applied as flat or mono-axially curved configurations are not acceptable.

1.3 SUMMARY

A. Section Includes:

1. Section includes a tensile fabric canopy system as shown on Drawings and specified in this Section.
2. Architect's drawings indicate design intent with respect to sizes, shapes, and configurations of the tensile fabric canopy. Provide all components and accessories required for complete tensile fabric canopy system, whether or not specifically shown or specified.
3. The tensile fabric structure will assume bolted/pinned connections for field assembly. No field welding will be permitted.

B. The tensile fabric structure Subcontractor shall be responsible for the structural design, detailing, fabrication, supply, and installation of the Work specified herein. The intent of this specification is to establish in the first instance an undivided, single-source responsibility of the Subcontractor for all of the foregoing functions.

C. Subcontractor's Work shall include the structural design, supply, fabrication, shipment, and erection of the following items:

1. The architectural membrane as indicated on the drawings and in these specifications.
2. Cables and fittings.
3. Perimeter, catenary, and sectionalized aluminum clamping system.
4. Structural steel, including masts, trusses, struts, and beams as indicated on the drawings.
5. Fasteners and gaskets.
6. Footing Design verification

D. Related Requirements:

1. Division 03 Section "Cast-in-Place Concrete" for concrete footings for posts of tensile fabric structure.
2. Division 05 Sections "Structural Steel Framing" for steel structure supporting tensile fabric structure.

3. This Project is a US Green Building Council LEED project:
   a. Select materials to maximize use of recycled steel.
   b. Select locally or regionally fabricated products wherever possible.

1.4 REFERENCES

A. General: Except as otherwise shown or noted, all work shall comply with the requirements of the following codes and standards:

1. American Institute of Steel Construction (AISC).

   a. Specifications for the Design, Fabrication, and Erection of Structural Steel for Buildings.
   b. Code of Standard Practice for Steel Buildings and Bridges.
   c. Specification for Structural Steel Buildings – Allowable Stress Design and Plastic Design.
   d. Specification for Allowable Stress Design of Single-angle Members. e. Seismic Provisions for Structural Steel Buildings.

2. American Society of Civil Engineers.

   a. ASCE 19: Structural Applications of Steel Cables for Buildings.

3. American Society of Testing and Materials (ASTM).

   a. ASTM A586: Standard Specifications for Zinc-Coated Steel Structural Strand.
   b. ASTM A603: Standard Specifications for Zinc-Coated Steel Structural Wire Rope.
   c. ASTM D4851-88: Standard Test Methods for Coated and Laminated Fabrics for Architectural Use.
   d. ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials.
   e. ASTM E108: Standard Test Methods for Fire Test and Roof Coverings.
   f. ASTM E136: Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 degrees C.
   g. ASTM C423: Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
   h. ASTM E424: Standard Test Method for Solar Energy Transmittance and Reflectance of Sheet Materials.

4. American Welding Society (AWS).

   a. AWS D1.1: Structural Welding Code.
   b. AWS 2.4: Symbols for Welding and Nondestructive Testing.

5. Aluminum Association

   a. Specifications for Aluminum Structures.

6. National Fire Protection Association (NFPA).

   a. NFPA 701: Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

7. Steel Structures Painting Council (SSPC).

   a. Steel Structures Painting Manual, Volumes 1 and 2.

1.5 SYSTEM REQUIREMENTS

A. General: Provide a tensile fabric structure system that complies with requirements specified herein by testing the Subcontractor's corresponding membrane system in accordance with the indicated test methods.

B. Building Code Criteria: The tensile fabric structure shall comply with the International Building Code, 2012 edition.

C. Comply with local building codes and respective loading criteria for Snow Loads, Live Loads, Dead Loads, Wind Speed, and Seismic Loads shown on the Structural Drawings.

D. Life Safety: Tensile fabric structure shall be detailed so that no life safety issue is created in the event of a loss of a part of the membrane. The tensile fabric structure shall not rely on the membrane for structural stability.

1.6 ACTION SUBMITTALS

A. Product Data: For each type of product.

   1. Include styles, material descriptions, construction details, fabrication details, dimensions of individual components and profiles, hardware, fittings, mounting accessories, features, and finishes for tensile fabric structures.
   2. Include rated capacities, light transmissions, and operating characteristics of furnished specialties and accessories.

B. LEED Submittals:

   1. Product Data for Credit MR 4: For products having recycled content, documentation indicating percentages by weight of postconsumer and pre-consumer recycled content. Include statement indicating cost for each product having recycled content.
   2. Product Certificates for Credit MR 5.1 and Credit MR 5.2: For products and materials required to comply with requirements for regionally manufactured materials. Include statement indicating cost for each regionally manufactured material.

      a. Include statement indicating location of manufacturer and distance to Project for each regionally manufactured material.

C. Design Drawings:

   1. Include plans, elevations, sections, mounting heights, and frame assembly details.
   2. Preliminary member sizes with wall thickness.
   3. Preliminary footing layout and foundation design with final depth.
   4. Show intended fabric attachment hardware and details.

5. Identify direction, details and locations of fabric seams.
6. Show details of fabric membrane dimensions including length of spans, sag in curvature and actual shaded area.

D. Engineered Drawings (submit after Design Drawings have been approved):
1. Calculations with seal of a Professional Engineer with a license in the state of South Carolina.
2. Engineering Drawings with seal of a Professional Engineer with a license in the state of South Carolina
3. Include plans, elevations, sections, mounting heights, and frame assembly details.
4. Provide frame member sizes and required wall thicknesses.
5. Identify all welding requirements.
6. Detail all bolted and/or pin connections for frame assembly.
7. Identify required sizes of bolts, pins, plates and tubing.
8. Verify the fabric meets minimum engineering requirements.
9. Detail fabric attachment methods and identify thickness of all membrane plates, clamps and other attachment components.
10. Call out all cable sizes and pretension requirements.
11. Submit anchor-bolt plans before foundation work begins. Include location, diameter, and projection of anchor bolts required to attach the tensile fabric structures to foundation. Indicate column reactions at each location.
12. Engineered Drawings and Calculations shall include the confirmation of the provided footing design. Changes to the footing design, if so required, shall be at no additional cost to the Owner.

E. Samples for Initial Selection: Electronic file of available frame finish colors.

F. Samples for Verification: For the following:

1. Fabric: Qty. (4) 8 ½" x 11" samples of fabric as selected by the architect.
2. Frame Finish: Qty. (4) Sample chips, not less than 2" x 3" in size.

1.7 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer, fabricator and professional engineer. B.

Welding certificates.

C. Sample Warranty: For fabric warranty.

1.8 CLOSEOUT SUBMITTALS

A. Maintenance Data: For tensile fabric structures to include in operation and maintenance manuals.
1. Include the following:

a. Methods for maintaining tensile fabric structure fabrics and finishes.
b. Precautions about cleaning materials and methods that could be detrimental to fabrics, finishes, and performance.

B. Architectural Membrane Maintenance Kit: The owner shall be supplied with the following materials for emergency repair or maintenance. The materials shall be neatly packaged into a maintenance kit for storage by the owner.

QUANTITY	DESCRIPTION
• 6	12” / 305mm diameter PVC outer membrane patch
• 12	5” / 127mm diameter outer membrane patch
• 12	4” x 8” / 102 x 204mm
• 2 sq. yds.	Outer Membrane
• 1	2” / 50mm roller
• 1	Hand held hot air sealer
• 1	5/8” / 16mm hole punch
• 1	Utility knife
• 25	Repair clips
• 1	Spool of No. 36 x 8 oz. (268’) nylon twine
• 36 yds.	Cormar B29/4 x 15 Kevlar® thread
• 1	Hand awl
• 1 pkg.	C-29 curved needles
• 1	Repair manual

1.9 QUALITY ASSURANCE

A. Fabricator Qualifications: Shop that employs skilled workers who custom-fabricate tensile fabric structures similar to those required for this Project and whose products have a record of successful in-service performance.

1. The Subcontractor shall have at least ten (10) years’ experience in the successful fabrication and erection of permanent, custom tensile membrane structures.
2. Fabricator is a Master Fabric Craftsman certified by the Industrial Fabrics Association International.
3. Fabricator’s responsibilities include fabricating and installing tensile fabric structures and providing professional engineering services needed to assume engineering responsibility.
4. Fabricator’s engineering services must utilize Finite Element Analysis [or equivalent] software that performs fabric form finding and takes into account fabric material properties and pre-stress characteristics.
5. Fabricator must have proven record of at least (10) successful projects of similar size and similar specified fabric material.
6. Fabricator must have been in continuous operation as a professional tensile fabric structure manufacturer for minimum of (10) years prior to contract.

B. Installer Qualifications: Fabricator of products, approved by the manufacturer.

C. Welding Qualifications: Qualify procedures and personnel according to the following:

1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."

1.10 FIELD CONDITIONS

A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit installation of tensile fabric structure in exterior locations to be performed according to manufacturers' written instructions and warranty requirements.

B. Field Measurements: Where tensile fabric structure installation is indicated to fit to other work, verify dimensions of other work by field measurements before fabrication and indicate measurements on Shop Drawings. Allow clearances for fenestration

operation throughout the entire operating range. Notify Architect of discrepancies. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1.11 WARRANTY

A. Special Warranty: The Subcontractor shall furnish the Owner with a written warranty, which warrants the membrane, its perimeter attachment system, and the structural support system as supplied by the Subcontractor have been installed in accordance with the project specifications and will be free from defects in materials and workmanship that will impair their normal use of service. The warranty shall start from the date of substantial completion of the project.

1. Failures include, but are not limited to, the following:

   a. Structural failures including framework.
   b. Deterioration of fabric including seam failure.
   c. Deterioration of metals, metal finishes, and other materials beyond normal weathering.

2. Warranty Period, Fabric: Manufacturer's standard limited warranty for the specified fabric manufacturer and product.
3. Warranty Period, Cables, Securement Devices and Accessories: Ten years from date of Substantial Completion
4. Warranty Period, Workmanship: One year from date of Substantial Completion
5. Warranty Period, Paint Finish: One year from date of Substantial Completion

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Basis-of-Design: Subject to compliance with requirements, provide the tensile fabric structures designed, engineered, fabricated and installed by the following:

   1) Tensile Structure Systems
      Contact: Grant Cleverley, V.P.
      Phone: (410) 532-8847
      Email: grant@tensilesystems.com
      Baltimore, Maryland, USA
      Website: www.tensilesystems.com

   2) FabriTec Structures LLC
      Contact: John Douds
      358 Primrose Walk
      Fort Mill, SC 29715
      Tel: 704.280.1719
      Email: JDouds@FabritecLLC.com

2. Or approved equal. Manufacturer must meet all minimum requirements as outlined in item 1.7 QUALITY ASSURANCE of this section and show written proof for each item listed to become an approved equal.

3. Any approved equals shall be issued by addendum only, prior to the bid date.

B. Source Limitations: Obtain tensile fabric structures from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

A. Regulatory Requirements: Provide tensile fabric canopy system complying with requirements and limitations of authorities having jurisdiction that are within Contractor's control.

B. Delegated Design: Engage a qualified professional engineer to design tensile fabric canopy system. Delegated design engineering requirements include, but are not limited to, the following:

1. Prepare structural design drawings defining the precise interface geometry determination, reaction loads imposed on structural steel framing, anchoring loads, connection details, interfaces and seam layouts.
2. Structural calculations for the tensile fabric canopy system shall include:

   a. Large deflection numerical shape generation that will insure a stable, uniformly stressed, three dimensionally curved shape that is in static equilibrium with the internal pre-stress forces and is suitable to resist all applied loads.
   b. Large deflection finite element method structural analysis of the membrane system under all applicable wind and seismic loads.
   c. Connection design including bolt, weld and ancillary member sizing.
   d. Biaxial fabric test specification, interpretation and fabric compensation determination.
   e. Accurate generation of the two dimensional compensated fabric templates required to generate the three dimensional equilibrium shape.

C. In engineering tensile fabric structure system fittings and accessories to withstand structural loads indicated, determine allowable design working stresses of railing materials based on the following:

1. Steel: 72 percent of minimum yield strength.
2. Stainless Steel: 60 percent of minimum yield strength.
3. Aluminum: The lesser of minimum yield strength divided by 1.65 or minimum ultimate tensile strength divided by 1.95.

D. Structural Performance: Tensile fabric canopy system shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated according to ASCE/SEI 7:

1. Wind Loads: As shown on the Structural Drawings.
2. Live Loads: As shown on the Structural Drawings.
3. Snow Loads: As shown on the Structural Drawings.
4. Seismic Loads: As shown on the Structural Drawings.

E. General: In engineering railings to withstand structural loads indicated, determine allowable design working stresses of railing materials based on the following:

1. Aluminum: The lesser of minimum yield strength divided by 1.65 or minimum ultimate tensile strength divided by 1.95.
2. Copper Alloys: 60 percent of minimum yield strength.
3. Stainless Steel: 60 percent of minimum yield strength.
4. Steel: 72 percent of minimum yield strength.

F. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes.

1. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.

G. Control of Corrosion: Prevent galvanic action and other forms of corrosion by insulating metals and other materials from direct contact with incompatible materials.

2.3 CANOPY FABRIC

A. Product: Subject to compliance with requirements, provide fabric as called out and specified by the Architect in the bid drawings.

B. Fire-Test-Response Characteristics: Provide canopy fabric with the fire-test-response characteristics indicated, as determined by testing identical products according to test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:

1. Flame-Resistance Ratings: Passes NFPA 701.
   a. Flame Spread (After Flame) — Class C PASS
   b. Flame Spread (Residual Flame) — Class C PASS
   c. Char length — Class C PASS

C. Fabric manufacturer: The following is a list of approved fabric manufacturers for tensile fabric structures.

1. Ferrari Textiles (Precontraint product line) PVDF
3. Verseidag (Duraskin product line)
4. Mehler (Polymar product line) D.

D. Fabric properties:

1. Fabric thickness and tensile strength: Must meet engineering requirements with a safety factor of five.
2. Color: Cream colored, manufacturer's standard, as selected by Architect.

E. Physical Characteristics: The following indicates a range of physical property types for PVC architectural membranes. The determination of specific characteristics and selection of a membrane shall be derived from analysis and calculations carried out by the Professional Engineer for this project.

a. Construction: PVC/PVDF blended top / bottom coated Polyester
b. Coated Fabric Weight (oz./sq.yd): 22-24 oz. per sq yd
   (ASTM D 751-00)
c. Thickness (mils) 20-45 nom.
   (ASTM D 751-00)
d. Strip Tensile (lbs./1.968 inch, avg.)
   1) Dry, Warp (ASTM D 751-00) 323-1,250 min. avg.
   2) Dry, Fill (ASTM D 751-00) 310-950 min. avg.
e. Trapezoidal Tear (lbs./1.968 avg.)
   1) Dry, Warp (ASTM D 751-00) 40-240 min. – 95 min. avg.

2) Dry, Fill (ASTM 4851)	30-200 min. – 120 min. avg.
f. Solar Transmission (%) (ASTM 424)	6 – 14 nom.
g. Solar Reflectance (%) (ASTM 424)	70 – 78 nom.
h. Flame Retardancy (NFPA 701)	Complies – Small Scale

2.4 CANOPY FRAME, CABLES, FITTINGS AND ACCESSORIES

A. General: Provide accessories as standard with tensile fabric canopy system fabricator and as specified. Fabricate and finish accessories at the factory to greatest extent possible, by manufacturer's standard procedures and processes. Comply with indicated profiles and with dimensional and structural requirements.

1. All Stainless Steel structural wire rope cables shall conform to the latest revision of ASTM A 492-95.
2. All Stainless Steel structural strand cables shall conform to the latest revision of ASTM A 368-95a.
3. All cables in contact with the membrane shall be white PVC coated (as designated).

B. Metal Surfaces, General: Provide materials with smooth surfaces, without seam marks, roller marks, rolled trade names, stains, discolorations, or blemishes.

C. Frame material shall be shall be constructed of cold rolled carbon steel unless otherwise specified by the architect in the bid drawings.

D. Steel and Iron:

1. Tubing: ASTM A 500 (cold formed) or ASTM A 513.
2. Bars: Hot-rolled, carbon steel complying with ASTM A 29/A 29M, Grade 1010.
3. Plates, Shapes, and Bars: ASTM A 36 or ASTM A 572 per engineering requirements.

E. Stainless Steel ;

1. Tubing: ASTM A 554, Grade MT 316L.
2. Pipe: ASTM A 312/A 312M, Grade TP 316L.
3. Castings: ASTM A 743/A 743M, Grade CF 8M or CF 3M.
4. Sheet, Strip, Plate, and Flat Bar: ASTM A 666, Type 316L.
5. Bars and Shapes: ASTM A 276, Type 316L.

F. Aluminum (when applicable):

1. Provide alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated, and with strength and durability properties for each aluminum form required not less than that of alloy and temper designated below.
2. Extruded Bars and Shapes: ASTM B 221, Alloy 6063-T5/T52.

G. Cables and Fittings shall be constructed stainless steel unless otherwise specified by the architect in the bid drawings:

1. All cables in contact with PTFE or PVDF fabric shall be PVC coated.

3. Manufacturers: Subject to compliance with requirements, provide products by one of the following manufacturers:

   a. John A. Batchelor Co Inc. b.
      Jack Rueben and Sons.
   c. McMaster Carr
   d. Frontier Technologies. e.
      The Crosby Group.
   f. Ronstan International Inc.

4 Stainless Steel Cables:

   a. Cable: 7-by-19 wire rope made from wire complying with ASTM A 492, Type 316.
   b. Cable Fittings: Connectors of types indicated or required, fabricated from stainless steel, and with capability to sustain, without failure, a load equal to minimum breaking strength of cable with which they are used.

H. Metal Battens for Securing Canopy Fabric to Structural Steel Frame: Extruded aluminum.

I. Paint System, Three-Part:
   a. Source Quality Control: Primary materials shall be obtained from a single manufacturer. Second materials shall be those recommended by the primary manufacturer.
   b. Surface Preparation and Base Coat
      1) The surface shall be commercial blast cleaned in conformance with SSPC-SP10, after all fabrication operations such as machining and welding are completed. There shall be no more than an eight hour time lapse between the surface preparation and the application of the primate coat.
      2) The base coat shall be Sherman Williams inorganic zinc rich coating (zinc clad II ethyl silicate). Color gray-green or approved equal and shall conform to SSPC-Paint 20.
      3) The primer shall be mixed and applied in accordance with the manufacturer's instructions and shall meet the requirements of SSPC Paint Specification No. 20. The minimum thickness shall be 2.0 to 4.0 mils dft.
   c. Intermediate Coat
      1) The intermediate coat shall be Sherman Williams Macropoxy 646 fast cure epoxy color Mil white or light blue or approved equal and shall conform to SSPC Paint Specification 22.
      2) The surface preparation is to conform to SSPC-SP10/NANCE 2.
      3) The intermediate coat shall be applied in accordance with the manufacturer's instructions. The minimum thickness shall be 4.0 – 6.0 mils dft.
   d. Finish Coat
      1) The finish coat shall be Sherman Williams Hi-Solid Polyurethane (semi-gloss), or approved equal, and shall conform to SSPC – Paint number 36, Level 3.
      2) The finish coat shall be mixed and applied in accordance with the manufacturer's instructions and the minimum thickness shall be 3.0 to 4.0 mils dft.
   a. Three-Part System Thickness: The minimum system thickness shall be 10.0 mils dft.

b. Color: The paint color shall be as selected by the Architect.
c. Finish Quality: The dry paint shall be uniform and continuous with no voids or puddles and shall not be broken by scratches or nicks. Although the Subcontractor's Quality Assurance personnel may witness the painting operation, this does not relieve the Painting Subcontractor of the responsibility for meeting the quality and workmanship requirements of these specifications.
d. Care and Handling: The painting subcontractor shall make every reasonable effort to ensure that the painted steel is thoroughly dry and that it is handled carefully to prevent damage to the paint and to reduce field repairs. Nylon slings should be used when handling the painted steel.
e. Certification: The painting subcontractor shall be required to certify the paint manufacturer's name, paint identification, conformance with manufacturer's written instructions, and the paint dry mil thickness.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine structural steel framing and other substrates, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

B. Prepare written report, endorsed by Installer, listing conditions detrimental to performance.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 FIELD QUALITY CONTROL

A. Manufacturer's Field Service: Engage a factory-authorized service representative to test and inspect components, assemblies, and equipment installations, including connections.

B. Prepare test and inspection reports.

3.3 ERECTION

A. Proceed with installation of tensile fabric structure only when existing and forecasted weather conditions will permit work to be performed in accordance with manufacturer's recommendations.

B. Erect frame and fabric in accordance with the procedures of the approved manufacturer.

C. Adequate prestress shall be applied to eliminate fabric wrinkles and excess cable sag.

3.4 ERECTION OF STRUCTURAL STEEL

1. The Subcontractor shall employ a competent foreman to supervise all work of steel erection. This foreman shall be present at all times during the Subcontractor's scope of work.
2. All precautions shall be taken to ensure an accurately located and completely safe and stable structure at all times. Adequate guy cables shall be used throughout the work and all erection bolts shall be drawn up tight.
3. All steel shall be accurately aligned before permanent connections are made.
4. Temporary bracing shall be left in place as long as may be required for safety. The bracing shall be located so it does not interfere with the erection for the tensile membrane structure, and can be removed as required during construction.
    a. The structure is to be self-supporting and stable after the structure is fully completed. It is the Subcontractor's sole responsibility to determine the erection procedure and sequence and to ensure the safety of the structure and its component parts during erection. This includes the additional of whatever temporary bracing, guys or tie-downs that may be necessary. Such materials shall be removed by the Subcontractor and remain his property after completion of the property.
5. Erection tolerances shall be specified in the AISC "Code of Standard Practice for Steel Buildings and Bridges", unless otherwise noted.

3.5 ADJUSTING

A. Occupancy Adjustments: When requested within 12 months from date of Substantial Completion, provide on-site assistance in adjusting system to suit actual occupied conditions. Provide up to one visit to Project during other-than-normal occupancy hours for this purpose.

3.6 CLEANING

A. Protect work from damage and deterioration during installation.

B. Upon completion of tensile membrane structure installation:
    1. The Subcontractor shall clean all surfaces of the system's components in conformance with the membrane manufacturer's recommendations.
    2. Inspect the system and repair membrane panels that become damaged. Repairs shall be executed in such a way that they are visually acceptable.

C. Steel Cleaning:
    1. Cleaning and touchup steel finishes field welds, bolted connections and abraded areas shall be completed per the manufacturer's field repair recommendations.

3.7 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust cable and fabric tension and to clean and maintain canopy fabric.

SITE KEY LEGEND:

ARCHITECTURE:

- A1 MUSUEM BUILDING — SEE ARCHITECTURAL DRAWINGS
- A2 CONCERT PAVILION — SEE ARCHITECTURAL DRAWINGS
- A3 RESTROOM / DROP-OFF BUILDING — SEE ARCHITECTURAL DRAWINGS
- A4 POND PAVILION — SEE ARCHITECTURAL DRAWINGS
- A5 PLAYGROUND RESTROOM BUILDING — SEE ARCHITECTURAL DRAWINGS

SITE WORK: PAVEMENT

- S1 CONCRETE WALKWAY (4" & 6") — DETAIL 1 / L-300
- S2 STAMPED CONCRETE WALK — DETAIL 2 / L-300
- S3 STAMPED CONCRETE IMPRESSIONS — DETAIL 3 / L-300
- S4 DETECTABLE WARNING DEVICE — SEE CIVIL
- S5 CONCRETE CURB RESTRAINT — DETAIL 9 / L-300
- S6 VEHICULAR PAVING (PATTERN ONLY) — DETAIL 6 / L-300 (SEE CIVIL FOR BASE TREATMENT)
- S7 SPECIALTY PAVING (PEDESTRIAN) TYPE 1 & 2 — DETAIL 7 / L-300
- S8 SAND PLAYGROUND SURFACE — DETAIL 9 / L-300
- S9 POURED IN PLACE RUBBER SURFACE — DETAIL 8 / L-300
- S10 CANTILEVERED DECK W/ POST AND ROPE RAILING — DETAIL 5 / L-301

SITE FEATURES:

- S11 GRAND LAWN ARBOR — DETAIL 1 / L-305
- S12 PLAYGROUND GATEWAY — DETAIL 1 / L-303
- S13 CIRCULAR ARBOR TREE — DETAIL 2 / L-303
- S14 SWING TRELLIS — DETAIL 3 / L-305
- S15 RAISED PLANTER . SEATWALL — DETAIL 6 / L-302
- S16 PILE WALL — DETAIL 3 / L-302
- S17 CURVED TONGUE & GROOVE WOOD WALL — TYPE 1 DETAIL 1 / L-302
- S18 ROPE AND PILE FENCE — DETAIL 4 / L-302
- S19 DISCOVERY TRAIL GATEWAY — DETAIL 3 / L-304
- S20 4' PLAYGROUND ENCLOSURE FENCE — DETAIL 6 / L-301
- S21 BULKHEAD & RAILING — DETAIL 1 / L-301
- S22 CABLE RAIL SYSTEM — DETAIL 2 / L-301
- S23 BOARDWALK — DETAIL 4 / L-301

SITE FEATURES CONT'D:

- S24 PLAYGROUND PEDESTRIAN BRIDGE — DETAIL 7 / L-301
- S25 ON GRADE DECK AT COMPASS ROSE — DETAIL 3 / L-301
- S26 PARK ID SIGN — DETAIL 1 / L-304
- S27 SHADE UMBRELLAS — DETAIL 2 / L-305
- S28 WATER FEATURE — SEE WATER FEATURE DRAWINGS
- S29 INTERPRETIVE SIGNS — DETAIL 6 / L-306
- S30 COMPASS ROSE PAVING AREA — DETAIL 1 / L-306
- S31 PALM TREE PLANTER WELL — DETAIL 10 / L-300
- S32 ON GRADE BOARDWALK — SEE CIVIL STRUCTURAL PLANS
- S33 TRENCH DRAIN TYPES A & B — DETAIL 11 / L-300
- S34 DECK DRAIN — DETAIL 12 / L-300
- S35 I.D. / INCIDENTAL SIGNS / EMERGENCY-OFF SWITCH — DETAIL 5 / L-306 (1)
- S36 CURVED TONGUE & GROOVE WOOD WALL — TYPE 2 DETAIL 1 / L-302

RECREATION FEATURES:

- R1 ICONIC SHIP STRUCTURE — BY OTHERS - FOR REFERENCE ONLY
- R2 2-5 YEAR STRUCTURE — BY OTHERS - FOR REFERENCE ONLY
- R3 SWINGS — BY OTHERS - FOR REFERENCE ONLY
- R4 MULTI-USER SWING PLATFORM — BY OTHERS - FOR REFERENCE ONLY
- R5 WHIMSY RIDERS (DOLPHINS & SEA HORSE) — BY OTHERS - FOR REFERENCE ONLY
- R6 FOSSIL DIGS (SHELLS, SHARK TEETH, CR ABS) — BY OTHERS - FOR REFERENCE ONLY
- R7 CLIMBING TURTLE — BY OTHERS - FOR REFERENCE ONLY
- R8 SEESAW — BY OTHERS - FOR REFERENCE ONLY
- R9 FROG SCULPTURE (ON BENCH) — DETAIL 4 / L-306
- R10 TURTLES ON LOG — SEE SPECIFICATONS & FOUNTAIN DRAWINGS
- R11 WHIMSICAL BIRD SCULPTURES — SEE SPECIFICATONS & FOUNTAIN DRAWINGS
- R12 PARK INFORMATION KIOSK WITH MAP — DETAIL 2 / L-304
- R13 LOG STEPPER — BY OTHERS - FOR REFERENCE ONLY
- R14 LOG BALANCE BEAM — BY OTHERS - FOR REFERENCE ONLY
- R15 LOG CRAWL / TUNNEL — BY OTHERS - FOR REFERENCE ONLY
- R16 TALK TUBES — BY OTHERS - FOR REFERENCE ONLY

PAVING SCHEDULE:

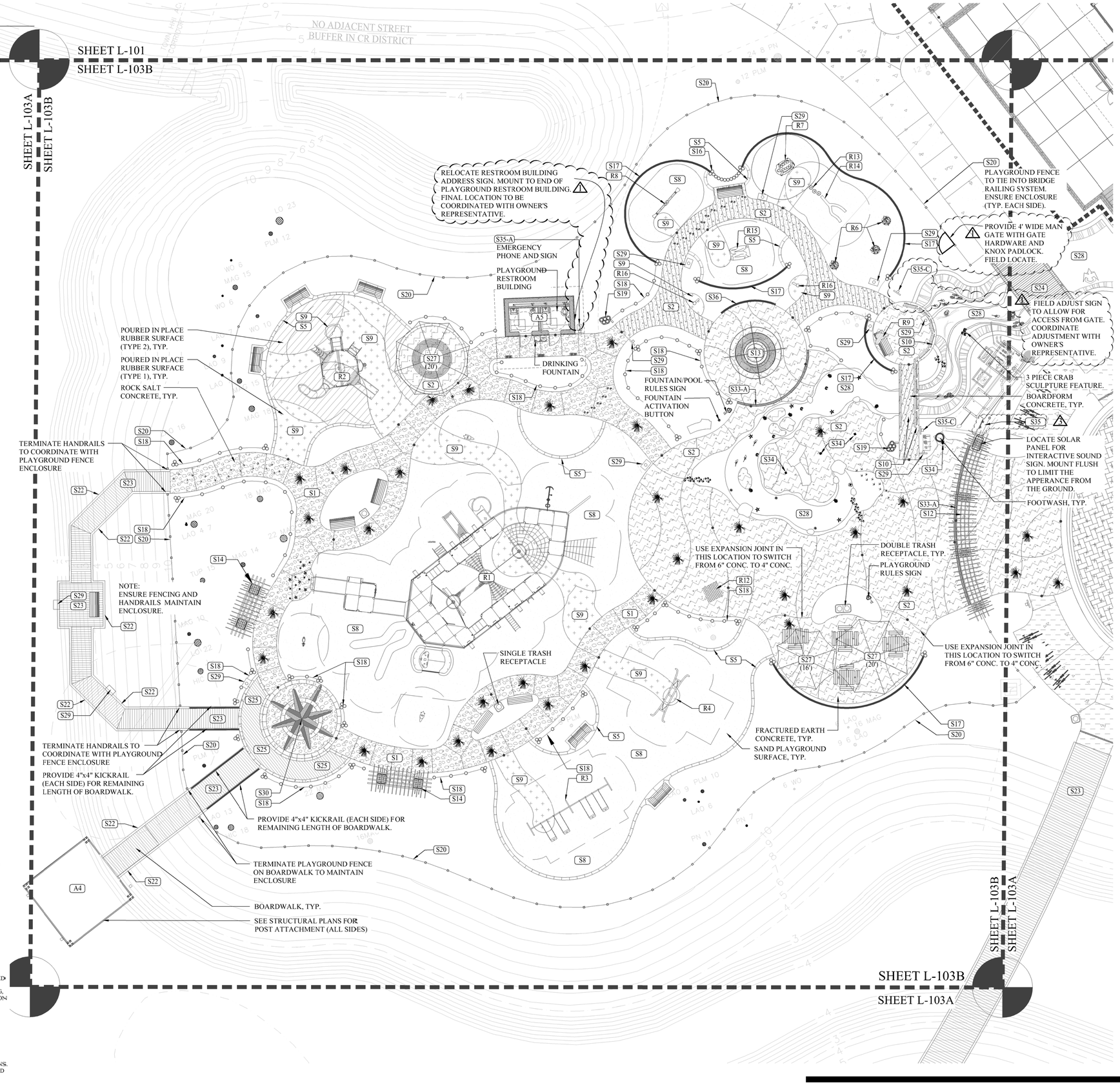
- 4" OYSTER SHELL CONCRETE: SEE DETAIL 1/L-300
- 6" OYSTER SHELL CONCRETE: SEE DETAIL 1/L-300
- FRACTURED EARTH CONCRETE : SEE DETAIL 2/L-300
- POURED IN PLACE RUBBER SURFACE: TYPE 1 SEE DETAIL 8/L-300
- POURED IN PLACE RUBBER SURFACE: TYPE 2 SEE DETAIL 8/L-300
- CONCRETE CONTROL JOINT: SEE DETAIL 4/L-300
- CONCRETE EXPANSION JOINT: SEE DETAIL 4/L-300
- ROCK SALT CONCRETE: SEE DETAIL 1/L300
- BOARDFORM CONCRETE: SEE DETAIL 2/L-300
- ADA DETECTABLE WARNING: SEE CIVIL
- VEHICULAR PAVER PATTERN: SEE DETAIL 6/L300
- DECORATIVE PAVER (PEDESTRIAN): SEE DETAIL 7/L300
- SAND PLAYGROUND SURFACE: SEE DETAIL 9/L300

SITE FURNISHINGS SCHEDULE:

- PLAYGROUND FENCE: SEE DETAIL 6/L-301
- BENCH TYPE 1: QTY: (28) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE 5/L-302 FOR MOUNTING.
- BENCH TYPE 2: QTY: (6) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE 5/L-302 FOR MOUNTING.
- SINGLE TRASH RECEPTACLE: QTY: (13) SEE SPECS. FOR ADDITIONAL INFORMATION. PROVIDE CONC. BASE FOR MOUNTING.
- DOUBLE RECYCLING RECEPTACLE: QTY: (6) SEE SPECS. FOR ADDITIONAL INFORMATION. PROVIDE CONC. BASE FOR MOUNTING.
- STAMPED CONCRETE IMPRESSIONS: SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION - SEE DETAIL 3/L-300
- BIKE RACKS QTY. (44) & BIKE BOLLARD W/ LIGHT QTY. (6): SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- DECORATIVE BIKE RACK: QTY. (1) OWNER PROVIDED, OWNER INSTALLED - COORDINATE WITH OWNER.
- DRINKING FOUNTAIN TYPE A: QTY: (2) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- FOOTWASH: QTY: (1) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- REMOVABLE BOLLARD: QTY: (6) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- FIXED BOLLARD: QTY: (13) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- CIRCULAR BENCH: QTY: (2) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- PET WASTE DISPOSAL STATION: QTY: (2) OWNER PROVIDED, OWNER INSTALLED
- I.D. & INCIDENTAL SIGNS (A, B, C, D, E) SEE SITE PLAN FOR LOCATIONS SEE DETAIL 5/L-306
- 16' & 20' SHADE UMBRELLA: SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- FALLEN TREE BENCH: QTY: (3) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- PICNIC TABLE: QTY: (4) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- ROWER: QTY: (1) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- 2- PERSON ACCESSIBLE LATT PULL & VERTICAL PRESS: QTY: (1) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- SINGLE ELLIPTICAL: QTY: (1) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- TWO PERSON LEG PRESS: QTY: (1) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- STAIR SLIMBER: QTY: (1) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- FOUR PERSON PENDULUM, ABS, & DIP STATION: QTY: (1) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- SET OF 2 WHIMSICAL BIRD SCULPTURES: QTY: (1 SET) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- TURTLES ON LOG SCULPTURE: QTY: (1) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- HUMAN SIZED FROG SCULPTURE (ON BENCH): QTY: (1) SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
- EMERGENCY TELEPHONE (TOLL FREE). PROVIDE EMERGENCY PHONE (TOLL FREE) IN WATERTIGHT ENCLOSURE PER DHEC REQUIREMENTS. MOUNT TO 6X6 P.T. POST AT 4' HT. WITH 1" CHAMFER AT TOP. PROVIDE WEATHER RESISTANT PHYSICAL ADDRESS OF POOL AND DISPLAY AT PHONE- PROVIDE SUBMITTAL FOR PHONE AND DISPLAY FOR APPROVAL PRIOR TO INSTALLATION.
- FAMILY OF THREE CRAB SCULPTURES: QTY: 1 SET OF 3 (1 LARGE, 1 MEDIUM, 1 SMALL) SEE SITE PLAN FOR LOCATIONS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AND FOR AVOIDING ALL CONFLICTS WITH SAME. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
2. ALL DISTURBED AREAS AND PROPOSED EARTH GRADING NOT TO BE COVERED BY OTHER SURFACES SHALL BE GRASSED BY SEEDING, FERTILIZING, MULCHING AND WATERING AS REQUIRED TO OBTAIN AN ACCEPTABLE GROUND COVER, UNLESS SPECIFIED OTHERWISE ON THE PLANS.
3. ALL CONSTRUCTION SHALL BE IN COMPIANCE WITH FEDERAL, STATE AND LOCAL CODES.
4. THE CONTRACTOR SHALL PERFORM HIS OWN INVESTIGATIONS TO THE EXTENT NECESSARY TO DETERMINE THE EFFECTS OF SUB-SURFACE CONDITIONS ON THE WORK AND SHALL BID AND CONSTRUCT THE WORK IN ACCORDANCE WITH HIS FINDINGS.
5. DEMOLITION SHALL INCLUDE THE REMOVAL OF ALL PIPE, STRUCTURES OR DEBRIS WITHIN THE AREA OF CONSTRUCTION WHETHER SHOWN ON THE PLANS OR NOT.
6. CONSTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF ANY AND ALL AREAS WHICH ARE FIELD ADJUSTED DURING CONSTRUCTION.
7. CONTRACTOR SHALL RESTORE DAMAGED FINISHES AND REPLACE DAMAGED OR DEFECTIVE UNITS.
8. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR TIMING OF AND RESPONSIBILITY OF DEMOLITION OPERATIONS.
9. CONTRACTOR SHALL PROVIDE STANDARD UTYL BENCH FOR PLACEMENT OF FROG SCULPTURE. SUBMIT SHOP DRAWING FOR METHOD OF ANCHORING.



SCALE: 1" - 10'-0"

SURVEY INFORMATION COMPILED FROM AS-BUILT SURVEY BY SEA ISLAND LAND SURVEY, LLC. FILE 1-2545.dwg, DATED NOVEMBER 11, 2015.

PLAN IS SUBJECT TO CHANGE.

Wood+Partners Inc. WPi
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Land Planners
PO Box 23949 ▪ Hilton Head Island, SC 29925
843.681.6678 ▪ Fax 843.681.7086 ▪ www.woodandpartners.com

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR

COLIGNY PARK

Hilton Head Island, South Carolina

DRAWN BY: BH, EL
CHECKED BY: TG

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PROFESSIONAL STAMPS:

#	REVISION	DATE	BY
1	ADD 4' GATE, MOVE SIGN, MOVE SIGN	7/22/16	TL/TG

DATE 6-30-2016
PROJECT NUMBER 01-16002
SHEET TITLE Playground Site Plan

SHEET NUMBER L-103B

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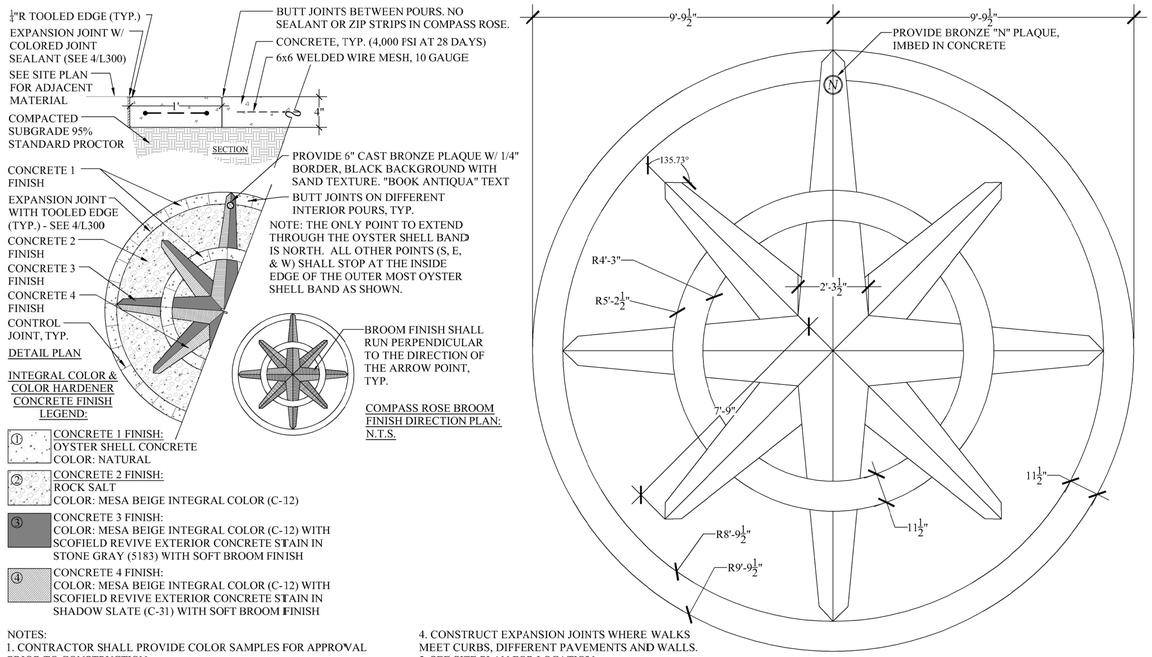


INTEGRAL COLOR & COLOR HARDENER CONCRETE FINISH LEGEND:

① CONCRETE 1 FINISH: OYSTER SHELL CONCRETE COLOR: NATURAL

② CONCRETE 2 FINISH: ROCK SALT COLOR: MESA BEIGE INTEGRAL COLOR (C-12)

③ CONCRETE 3 FINISH: COLOR: MESA BEIGE INTEGRAL COLOR (C-12) WITH SCOFIELD REVIVE EXTERIOR CONCRETE STAIN IN STONE GRAY (5183) WITH SOFT BROOM FINISH

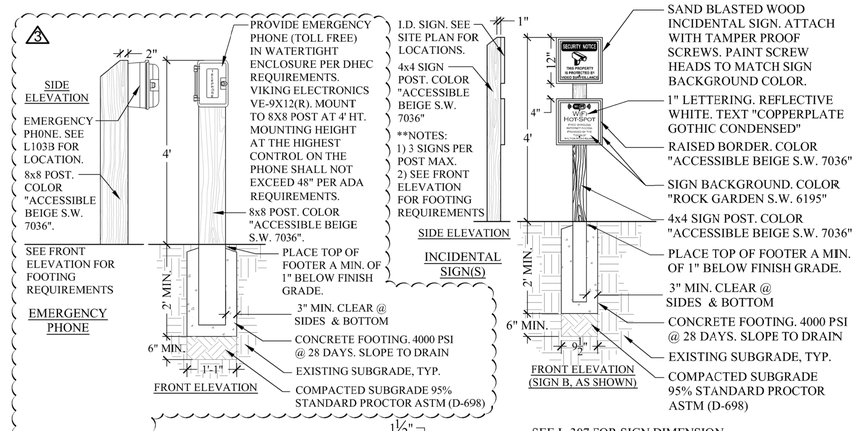
④ CONCRETE 4 FINISH: COLOR: MESA BEIGE INTEGRAL COLOR (C-12) WITH SCOFIELD REVIVE EXTERIOR CONCRETE STAIN IN SHADOW SLATE (C-31) WITH SOFT BROOM FINISH

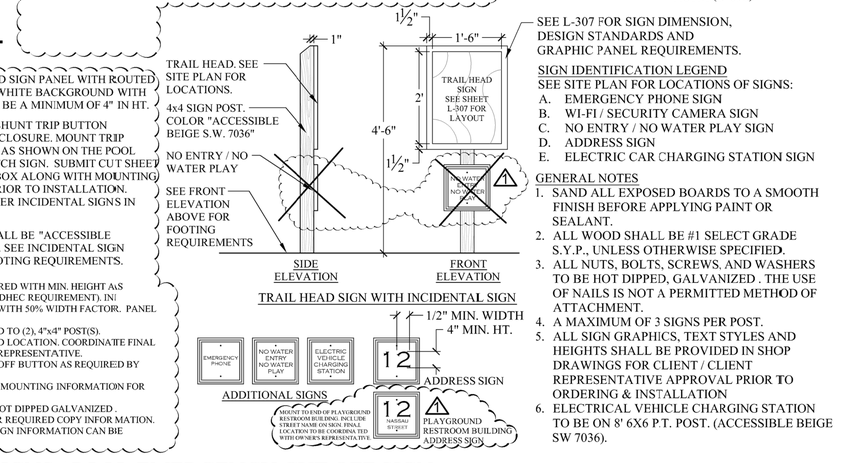
NOTES:
1. CONTRACTOR SHALL PROVIDE COLOR SAMPLES FOR APPROVAL PRIOR TO CONSTRUCTION.
2. PROVIDE MIN. 1% CROSS SLOPE ON ALL PAVED SURFACES FOR POSITIVE DRAINAGE.
3. CONTRACTOR TO FLASH SURFACE OF INTEGRAL COLOR WITH 20% DOSAGE RATE OF COLOR HARDENER BEFORE FINAL BROOM FINISH.
4. CONSTRUCT EXPANSION JOINTS WHERE WALKS MEET CURBS, DIFFERENT PAVEMENTS AND WALLS.
5. SEE SITE PLAN FOR LOCATION.
6. FOR STANDARD FINISH PROVIDE LIGHT BROOM FINISH PERPENDICULAR TO TRAVEL PATH.
7. PANELS THAT ARE NON OYSTER SHELL CAN BE POURED AS INTEGRAL COLOR.
8. PATTERN AND JOINTS TO BE SAW CUT WITH APPLIED STAINS AS NOTED ON CONCRETE FINISH LEGEND.

1 / L306 COMPASS ROSE PAVING AREA
SCALE: 1/2" = 1'-00"

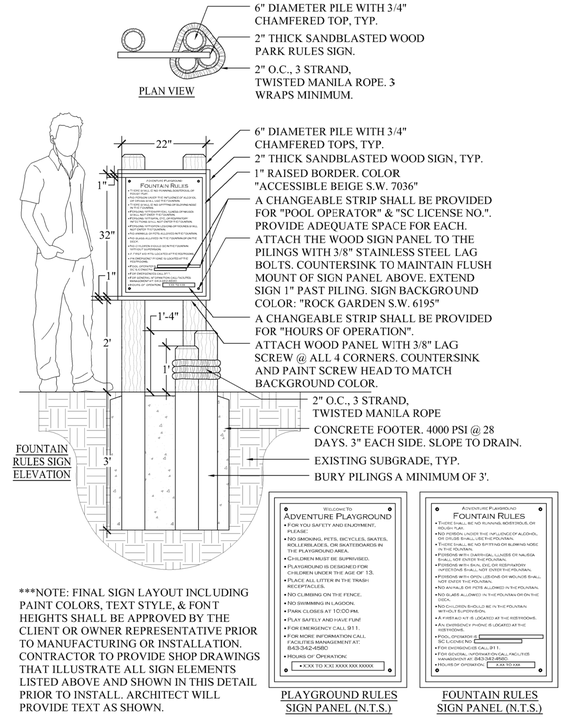
NOTES:
1) LIFE SIZE SEATED FROG BY BEAU SMITH'S STUDIO
WWW.BEAUTIFIULFROG.COM
(770) 434-6404
2)FROG TO BE PLACED ON WOOD BENCH. COORDINATE WITH SCULPTOR TO PROVIDE ANCHOR/TIES TO BENCH & APPROPRIATE GROUNDING

4 / L306 FROG SCULPTURE ON BENCH
SCALE: NTS

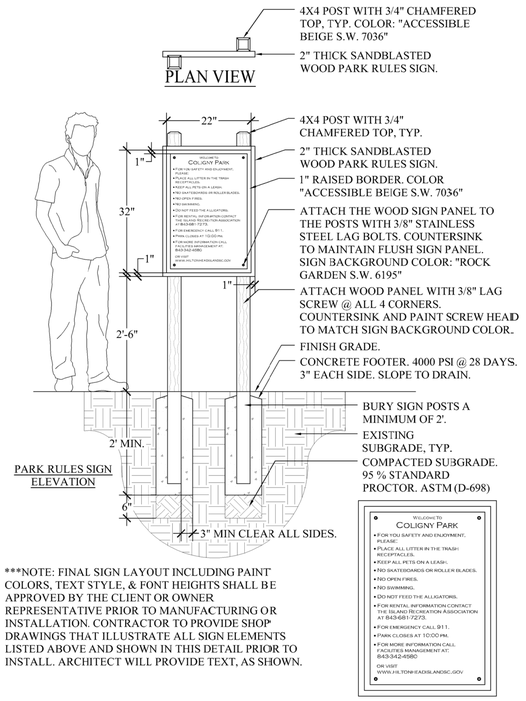




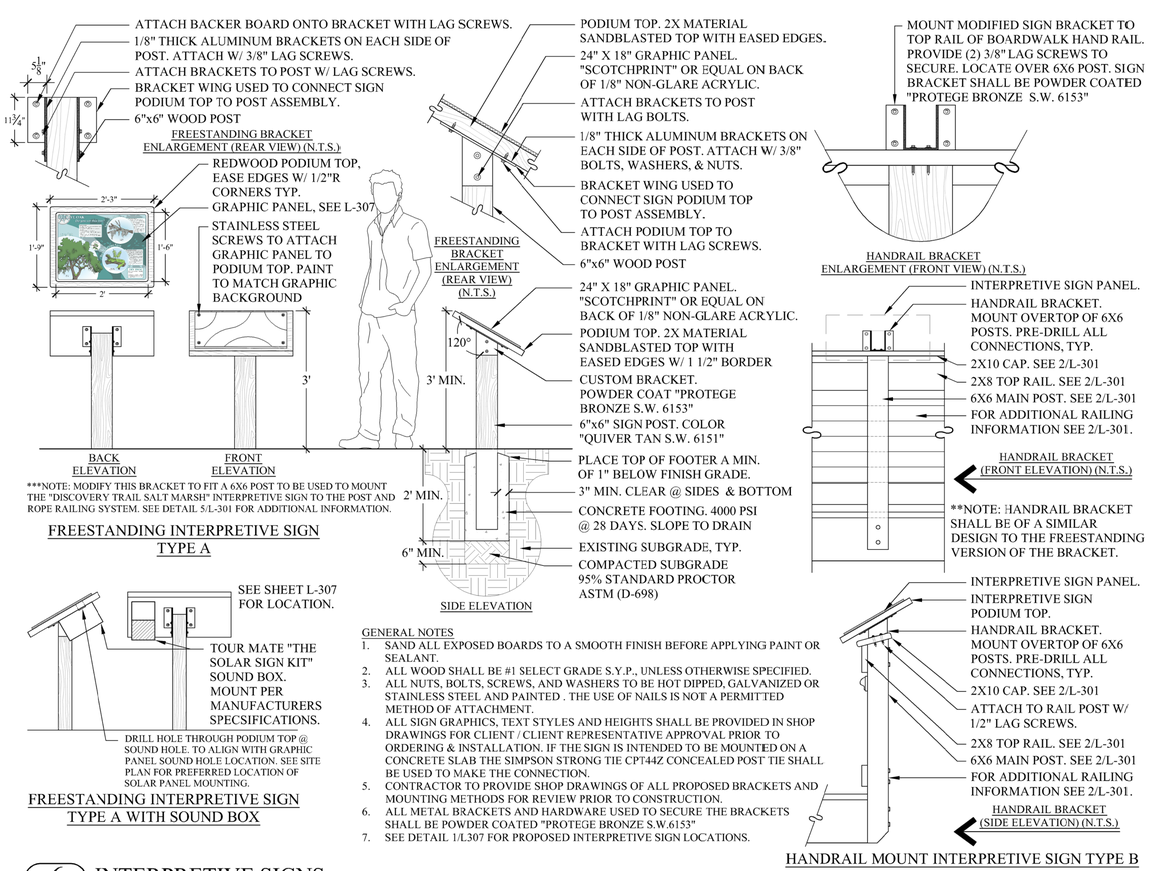
5 / L306 I.D. / INCIDENTAL SIGNS / POOL EMERGENCY CUT OFF SIGN
SCALE: 3/4" = 1'-00"



2 / L306 PLAYGROUND & FOUNTAIN RULES SIGN
SCALE: 3/4" = 1'-00"



3 / L306 PARK RULES SIGN
SCALE: 3/4" = 1'-00"



6 / L306 INTERPRETIVE SIGNS
SCALE: 3/4" = 1'-00"

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: BH, EL
CHECKED BY: TG

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PROFESSIONAL STAMPS:

#	REVISION	DATE	BY
1	ADD BIDN. MODIF'T BIDN	7/22/16	TL/TG
2	ADD BIDN	8/5/16	BH

DATE 6-30-2016
PROJECT NUMBER 01-16002
SHEET TITLE Site Details

Wood+Partners Inc. WPi
Landscape Architects Land Planners
PO Box 23949 ■ Hilton Head Island, SC 29925
843.681.6676 ■ Fax 843.681.7086 ■ www.woodandpartners.com

SHEET NUMBER
L-306

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GENERAL PLANTING & IRRIGATION NOTES:

1. ALL PLANTING IS INCLUDED IN PARK PROJECT.
2. PROVIDE MULCH RINGS FOR ALL EXISTING TREES IN SOD AREAS.
3. CONTRACTOR TO SUPPLY AUTOMATIC IRRIGATION SYSTEM, COMPLETE AND INSTALLED. SYSTEM TO INCLUDE ALL VALVES, PIPES, HEADS, FITTINGS AND BACKFLOW CONTROLLER, AND TO PROVIDE 100% COVERAGE OF ALL SOD, AND PLANTING BEDS.
4. ANY DEVIATION FROM THESE PLANS MUST BE SPECIFICALLY APPROVED BY LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE.
5. NOTIFY LANDSCAPE ARCHITECT OF ANY SITE CONDITIONS WHICH MAY NECESSITATE MODIFICATION TO THE PLAN. LANDSCAPE ARCHITECT SHALL, IF NECESSARY, MAKE "IN-FIELD MODIFICATIONS".
6. FINE GRADING SHALL CONSIST OF HAND RAKED SMOOTH, FREE OF ROCKS, ROOTS, AND OTHER DEBRIS, ALL AREAS TO RECEIVE LANDSCAPE PLANTING, INCLUDING LAWN AREAS IF APPLICABLE, AND/OR PINE STRAW MULCH.
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11. PLANT SCHEDULE WAS PREPARED FOR ESTIMATING PURPOSES FOR THE CONTRACTOR'S CONVENIENCE ONLY. ITS ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL MAKE HIS/HER OWN QUANTITIES TAKEOFF USING DRAWINGS TO DETERMINE QUANTITIES TO HIS/HER SATISFACTION, REPORTING PROMPTLY ANY DISCREPANCIES WHICH MAY AFFECT BIDDING.
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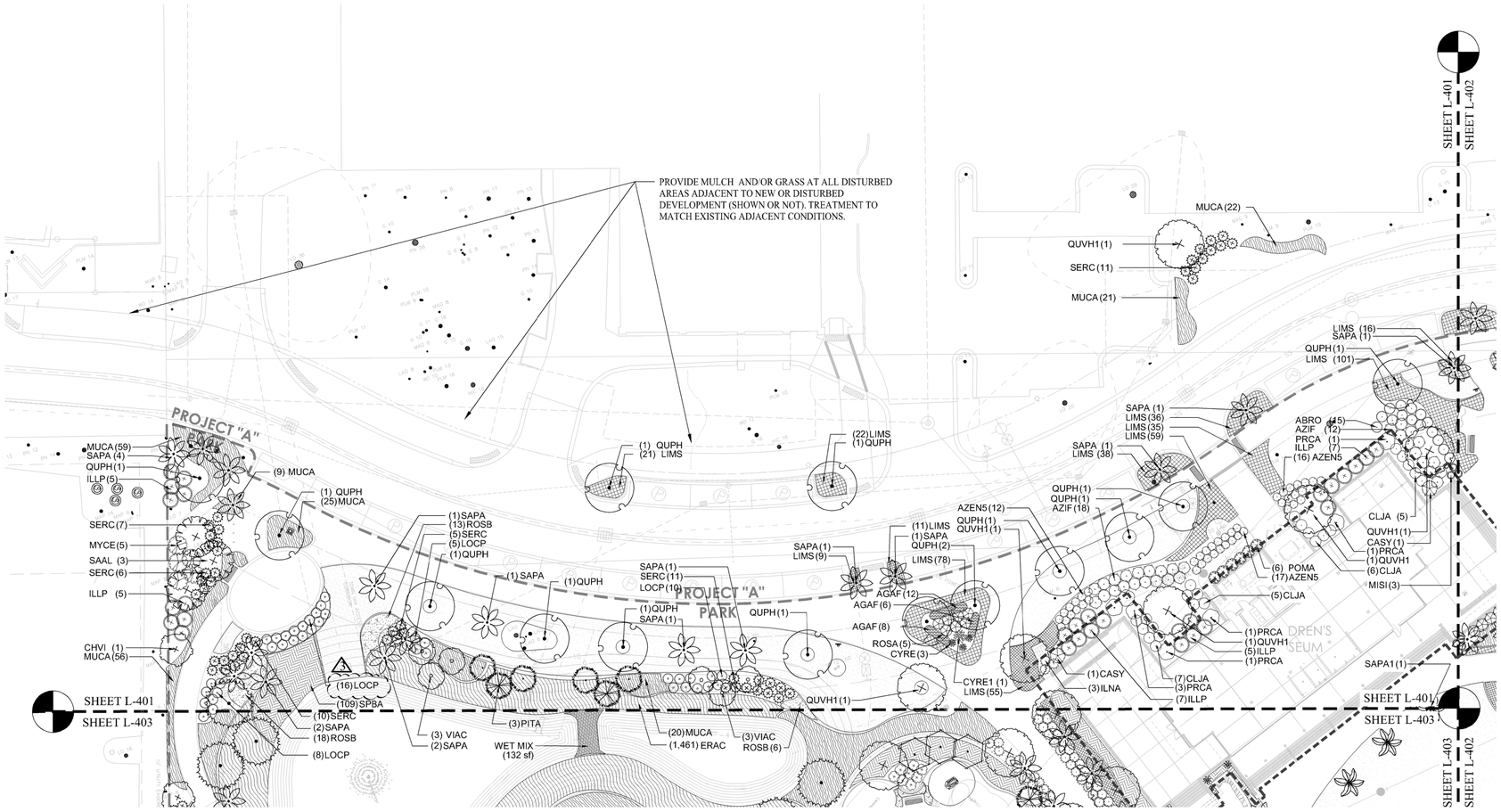

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY:
BH, EL

CHECKED BY:
TG

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PROFESSIONAL STAMPS:

#	REVISION	DATE	BY
1	LANDSCAPE ABRIDGMENTS	8/5/16	TG

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
Landscape Plan

SCALE: 1" - 20'-0"

SURVEY INFORMATION COMPILED FROM AS-BUILT SURVEY BY SEA ISLAND LAND SURVEY, LLC. FILE 1-2545.dwg, DATED NOVEMBER 11, 2015.

PLAN IS SUBJECT TO CHANGE.

Wood+Partners Inc.
Landscape Architects
Land Planners
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843.681.6676 ▪ Fax 843.681.7086 ▪ www.woodandpartners.com

SHEET NUMBER
L-401

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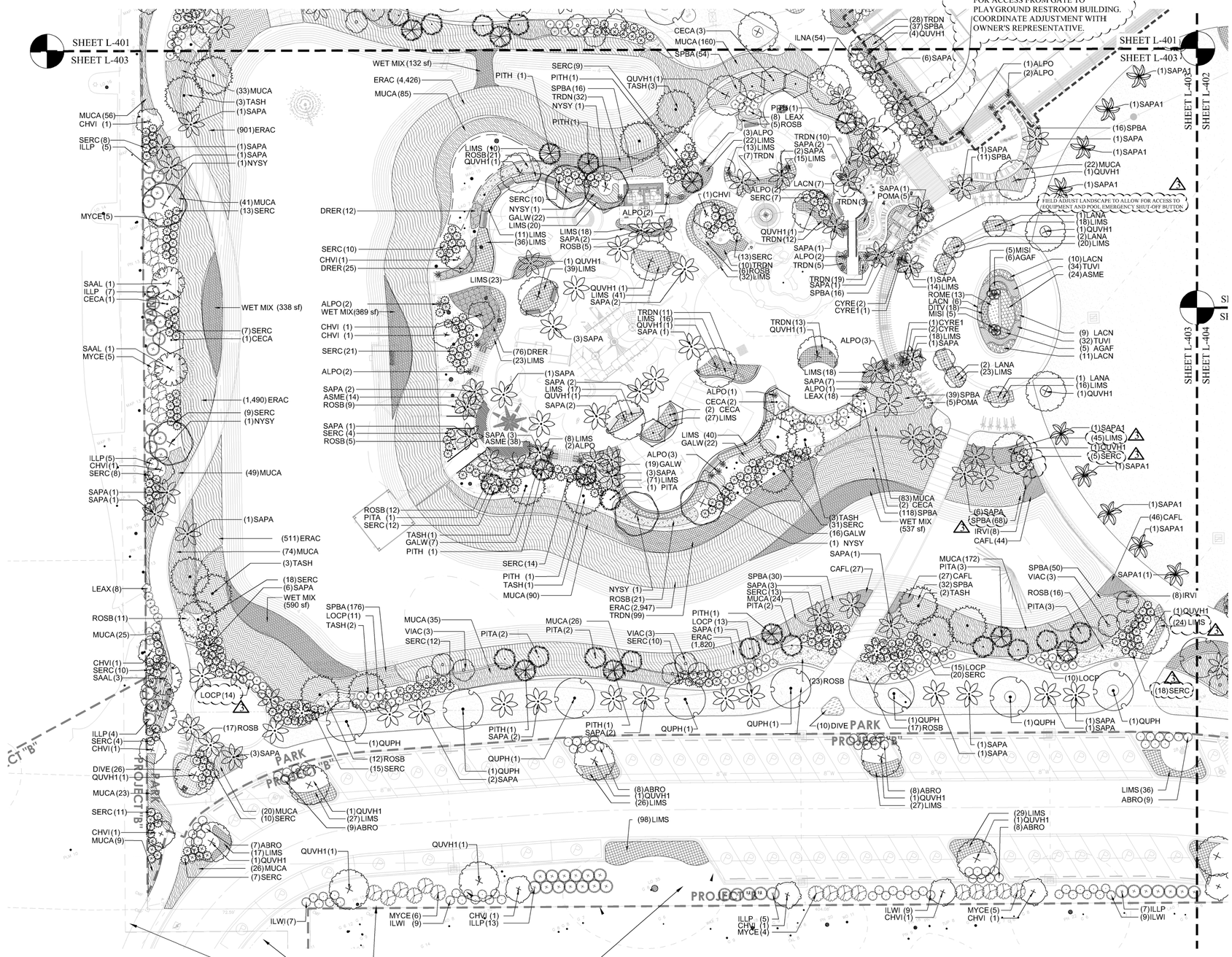

0' 10' 20' 40' 60' 80'

SCALE: 1" - 20'-0"

N

SURVEY INFORMATION COMPILED FROM AS-BUILT SURVEY BY SEA ISLAND LAND SURVEY, LLC. FILE 1-2545.dwg, DATED NOVEMBER 11, 2015.

PLAN IS SUBJECT TO CHANGE.

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR

COLIGNY PARK

Hilton Head Island, South Carolina

DRAWN BY:
BH, EL

CHECKED BY:
TG

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PROFESSIONAL STAMPS:

#	REVISION	DATE	BY
1	LANDSCAPE/ IRRIGATION ADJUSTMENTS FOR ACCESS	7/22/16	EL/TG
2	LANDSCAPE ADJUSTMENTS	8/5/16	TG

DATE
6-30-2016

PROJECT NUMBER
01-16002

SHEET TITLE
Landscape Plan

Wood+Partners Inc. WPi
Landscape Architects
Land Planners
PO Box 23949 ▪ Hilton Head Island, SC 29925
843.681.6676 ▪ Fax 843.681.7086 ▪ www.woodandpartners.com

SHEET NUMBER
L-403

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PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	HEIGHT	SPREAD	REMARKS
CECA	11	Cercis canadensis `Forest Pansy`	Forest Pansy Eastern Redbud	B & B or Cont.	1.5"Cal		8`-10`	3`-4`	Category IV Replacement; Strong Central Leader
CHVI	27	Chionanthus virginicus	White Fringetree	B & B			6`-8`		Category IV Replacement; match in size and shape; single leader
LAMU	21	Lagerstroemia x `Muskogee`	Lavender Crape Myrtle Multi-Trunk	B & B or Cont.	1.5"Cal		10`-12`	4`-5`	Category IV Replacement; 3-5 Canes Minimum
LANA	6	Lagerstroemia x `Natchez`	Crape Myrtle	B & B or Cont.	1.5"Cal		10`-12`	4`-5`	Category IV Replacement; Single Trunk/Standard; 6` Clear Trunk
MAGR	10	Magnolia grandiflora `Alta`	Alta Magnolia	B & B	2.5"Cal		12`-14`	4`-5`	Category I Replacement; Full to Ground Specimen
NYSY	6	Nyssa sylvatica	Black Gum	B & B or Cont.	2 1/2" Cal		12`-14`	3`-4`	Category II; Strong Central Leader; 4` Clear Trunk
PITA	28	Pinus taeda	Loblolly Pine	Cont.	1.5"Cal		8`-10`	6-8`	Category III Replacement/Strong central leader; Specimen
PITH	13	Pinus thunbergii	Japanese Black Pine	Cont.	1.5"Cal		8`-10`	6-8`	Category III Replacement/Strong central leader; Specimen
QUPH	44	Quercus phellos	Willow Oak	B & B	4"Cal		16`-18`	7`-8`	Category II Replacement/Strong central leader
QUVH1	71	Quercus virginiana `High Rise`	High Rise Live Oak	B & B or Cont.	4"Cal		12`-14`	4`-6`	Category I Replacement
SAPA	150	Sabal palmetto	Cabbage Palmetto	B & B			16`-18`		Category III Replacement; Height Varies; Smooth Trunk; Hurricane Cut
SAPA1	21	Sabal palmetto	Cabbage Palmetto	B & B			18` Matched		Category III Replacement; Matched; Refoliated
SAAL	8	Sassafras albidum	Sassafras	B & B	2" Cal		12`-14`	4`-5`	Category II Replacement
TASH	21	Taxodium distichum `Shawnee Brave` TM	Bald Cypress	B & B	3"Cal		14`-16`	5`-6`	Category I Replacement; Strong central leader
ULEM	7	Ulmus parvifolia `Emer II`	`Emer II` Allee Elm	B & B or Cont.	4"Cal		16`-18`	6`-8`	Category II Replacement; Full Crown; Specimen
VIAC	24	Vitex agnus-castus	Chaste Tree	15 gal			4`-5`		Category IV Replacement; Full

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HEIGHT	SPREAD	REMARKS
ABRO	155	Abelia x `Rose Creek`	Rose Creek Abelia	1 gal	18"-24"	12"-18"	Full
ALPO	28	Alocasia portadora	Persian Palm	1 gal	3`-4`	2`-3`	
AZIF	30	Azalea indica `Formosa`	Formosa Azalea	3 gal	24"-30"	24"-30"	Full
AZEN5	45	Azalea x `Robled`	Azalea Encore Autumn Chiffon TM	3 gal	24"-30"	24"-30"	Full
AZEN1	30	Azalea x `Roblef`	Azalea Encore Autumn Sundance TM	3 gal	24"-30"	24"-30"	Full pot
CABE	4	Camellia japonica `Berenice Boddy`	Camellia	7 gal	36"-42"	18"-24"	Full
CASY	8	Camellia sasanqua `Yuletide`	Yuletide Camellia	7 gal	36"-42"	18"-24"	Multi Trunk Tree Form. 3 Tunk min.
CLJA	23	Cleyera japonica	Sakaki	7 gal	36"-42"	18"-24"	
CYRE	57	Cycas revoluta	Sago Palm	Cont.	18"-24"	18"-24"	Full, SPECIMEN
CYRE1	16	Cycas revoluta	Japanese Sago Palm	Cont.	36"-48"	24"-36"	Full, SPECIMEN
ILNA	105	Ilex vomitoria `Nana`	Dwarf Yaupon	3 gal	36"-42"	30"-36"	
ILWI	39	Ilex vomitoria `Will Flemming`	Will Flemming Yaupon	7 gal	36"-42"	30"-36"	Upright, Single-Stem
ILLP	78	Illicium floridanum	Purple Anise	7 gal	36"-42"	30"-36"	Full
LEAX	34	Leucothoe axillaris	Coastal Leucothoe	7 gal	36"-42"	30"-36"	Full
LOCP	311	Loropetalum chinense `Purple Diamond`	Fringe Flower	3 gal	24"-36"	24"-36"	Full
MISI	71	Miscanthus sinensis `Adagio`	Adagio Eulalia Grass	3 gal	24"-36"	18"-24"	Full Pot
MYCE	36	Myrica cerifera	Wax Myrtle	7 gal	36"-48"	24"-36"	
POMA	57	Podocarpus macrophyllus	Japanese Yew	7 gal	36"-48"	24"-36"	Full, matched
PRCA	7	Prunus caroliniana	Carolina Laurel Cherry	15 gal	6`-8`	3`-4`	Full; Specimen
ROSA	57	Rosa x `Double Knockout`	Rose `Radtko`	3 gal	18"-24"	12"-18"	Full Pot - Matched
SERC	634	Serenoa repens `Cinerea`	Silver Saw Palmetto	3 gal	18" - 24"	12"-18"	Full pot, Matched
VIOD	9	Viburnum odoratissimum `Awabuki`	Awabuki Viburnum	3 gal	18"-24"	12"-18"	

GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HEIGHT	SPREAD	SPACING	REMARKS
AGAF	37	Agapanthus africanus `Storm Cloud`	Lily of the Nile	1 gal	12"-18"	12"-18"	24" o.c.	Full pot
ASME	81	Asparagus meyeri	Foxtail Fern	1 gal	12"-18"	12"-18"	24" o.c.	Full Pot
CAFL	144	Canna flaccida	Yellow Canna	4"	12-18"	10"-12"	16" o.c.	Rhizome
DITV	18	Dianella tasmanica `Variegata`	Variegated Flax Lily	1 gal	12"-18"	10"-12"	18" o.c.	Full pot
DIVE	410	Dietes vegeta	African Iris	1 gal	12-18"	8"-12"	30" o.c.	Full pot
DRER	113	Dryopteris erythrosora	Autumn Fern	1 gal			24" o.c.	Full Pot
ERAC	13,626	Eragrostis curvula	Weeping Lovegrass	4"	6"-12"	4" - 6"	12" o.c.	
GALW	106	Gaura lindheimeri `Whirling Butterflies`	Pink Whirling Butterflies Gaura	1 gal	12-18"	10"-12"	24" o.c.	
HEST	269	Hemerocallis stella D`oro	Daylily	1 gal	6" - 8"	6" - 8"	18" o.c.	Full Pot
IRVI	16	Iris virginica	Blue Flag Iris	Bare-root	6" - 8"	6"-8"	18" o.c.	
LACN	202	Lantana camara `New Gold`	Gold Mound Lantana	1 gal	10"-12"	10"-12"	24" o.c.	Full Pot
LIMS	4,364	Liriope muscari `Super Blue`	Lily Turf	1 gal	12"-14"	6"-8"	24" o.c.	Full pot
MUCA	3,049	Muhlenbergia capillaris	Muhly Grass	1 Gal.	12"-18"	8"-12"	30" o.c.	Full Pot
OPJA	47	Ophiopogon japonicus	Mondo Grass	4"	4"-6"	4"	12" o.c.	Full pot
ROME	13	Rosa x `Meigalpio`	Red Drift Rose	1 gal	12"-18"	8"-12"	24" o.c.	Full Pot
ROSB	340	Rosmarinus officinalis `Blue Spires`	Blue Spires Rosemary	3 gal	18-24"	18-24"	36" o.c.	Full Pot
SPBA	839	Spartina bakeri	Sand Cord Grass	1 gal	18-24"	18"-24"	36" o.c.	
TRDN	244	Tripsacum dactyloides nana	Dwarf Fakahatchee Grass	1 Gal.	12"-18"	10"-12"	36" o.c.	Full pot
TUVI	244	Tulbaghia violacea	Society Garlic	1 gal			18" o.c.	

MULCH	QTY	BOTANICAL NAME	COMMON NAME	CONT	HEIGHT	SPREAD	SPACING	REMARKS
MULCH	91,610 sf	PINESTRAW	PINESTRAW	mulch				MULCH TO 4" DEPTH

SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT	HEIGHT	SPREAD	SPACING	REMARKS
CYDA	120,355 sf	Cynodon dactylon `Celebration`	Celebration Bermuda Grass	sod				

AQUATIC PLANTING SCHEDULE

WET MIX	2,527 sf	
Canna `Tropicana Gold` / Tropicanna Gold Lily	919	100% Bare-root 18" oc
Iris virginica / Blue Flag Iris	919	100% Bare-root 18" oc
Juncus effusus / Soft Rush	517	100% Bare-root 24" oc
Sagittaria latifolia / Duck Potato	517	100% Bare-root 24" oc
Pontederia cordata / Pickerel Weed	517	100% Bare-root 24" oc
Saururus cernuus / Lizard Tail	517	100% Bare-root 24" oc

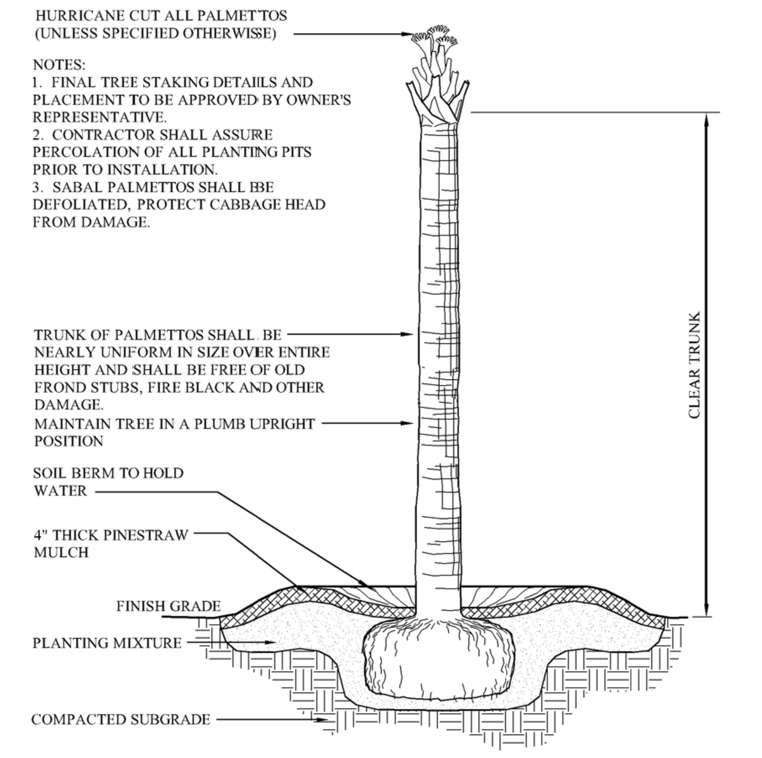
TREE REPLACEMENT REQUIREMENT ACI (TOTAL)

TREE REPLACEMENT PER ACI CALCULATIONS BASED ON EACH CATEGORY*

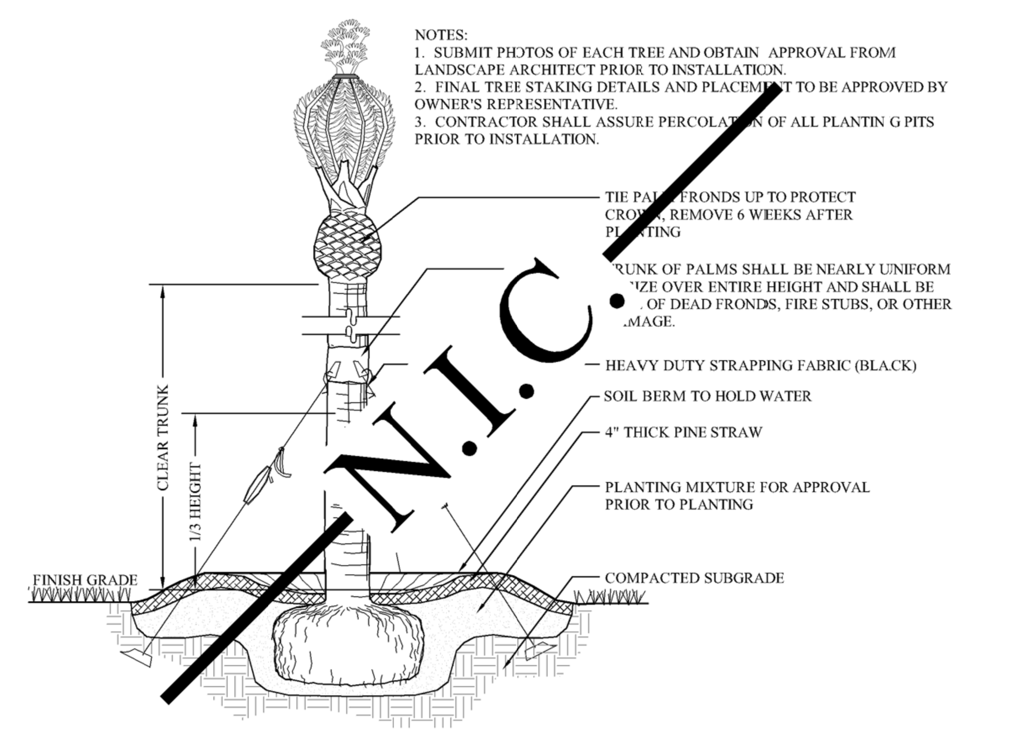
TREE CATEGORY	INCHES REQUIRED	# REPLACEMENT TREES REQUIRED	# REPLACEMENT TREES PROVIDED
I Broadleaf Evergreen Overstory	161.67"	81 *(Based on 2" min tree required by TOHH)	(102) Overstory provided to satisfy mitigation numbers (71) 4" Live Oak exceed required planting
II Deciduous Overstory Hardwoods & Evergreen understory	268.58"	134 *(Based on 2.0" min tree required by TOHH)	(65) Overstory provided to satisfy mitigation numbers (19) 4" Live Oak used to offset deficit
III Cone-bearing Evergreens and Palms	167.92"	168 *(Based on 1" min tree required by TOHH)	(36) 1.5" Evergreens & (171) Palms provided to satisfy mitigation numbers
IV Ornamentals	3.01"	3 *(Based on 1" min tree required by TOHH)	(80) Ornamentals provided to satisfy mitigation numbers

GENERAL PLANTING & IRRIGATION NOTES:

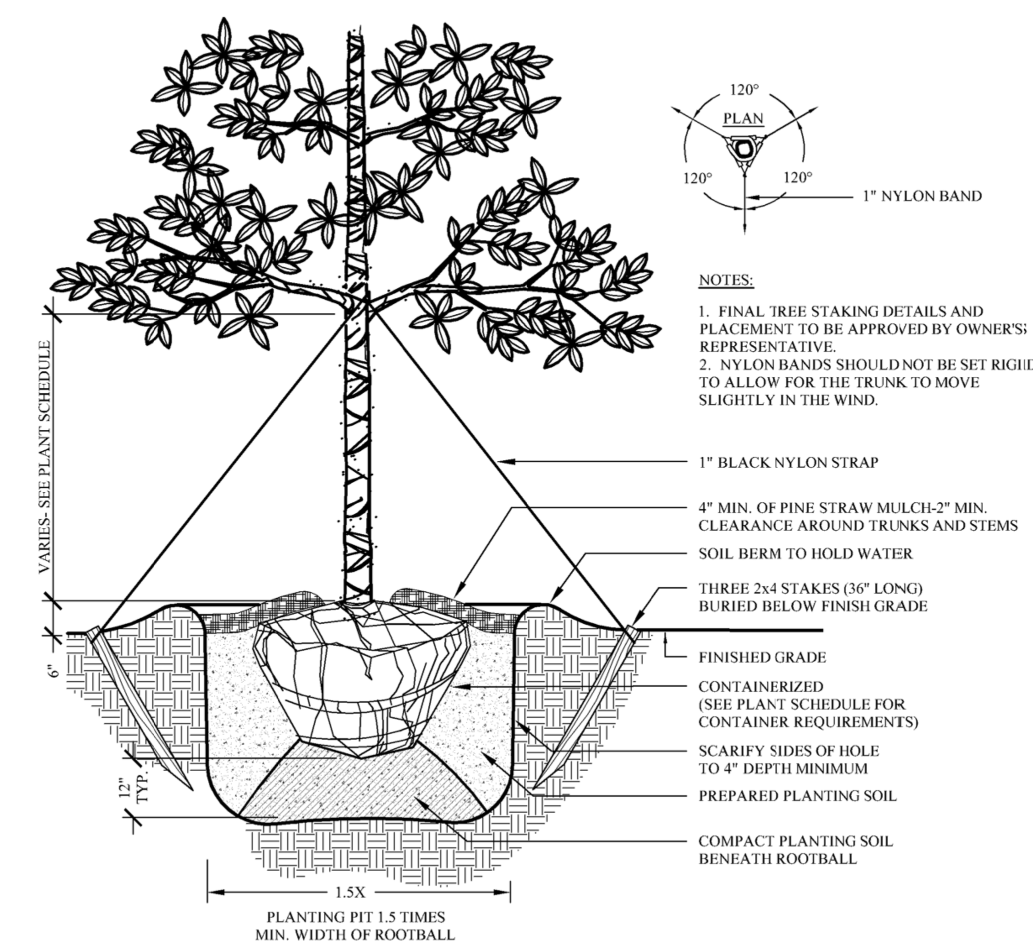
1. ALL PLANTING IS INCLUDED IN PARK PROJECT.
2. PROVIDE MULCH RINGS FOR ALL EXISTING TREES IN SOD AREAS.
3. CONTRACTOR TO SUPPLY AUTOMATIC IRRIGATION SYSTEM, COMPLETE AND INSTALLED. SYSTEM TO INCLUDE ALL VALVES, PIPES, HEADS, FITTINGS AND BACKFLOW CONTROLLER, AND TO PROVIDE 100% COVERAGE OF ALL SOD, AND PLANTING BEDS.
4. ANY DEVIATION FROM THESE PLANS MUST BE SPECIFICALLY APPROVED BY LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIWE.
5. NOTIFY LANDSCAPE ARCHITECT OF ANY SITE CONDITIONS WHICH MAY NECESSITATE MODIFICATION TO THE PLAN. LANDSCAPE ARCHITECT SHALL, IF NECESSARY, MAKE "IN-FIELD MODIFICATIONS".
6. FINE GRADING SHALL CONSIST OF HAND RAKED SMOOTH, FREE OF ROCKS, ROOTS, AND OTHER DEBRIS, ALL AREAS TO RECEIVE LANDSCAPE PLANTING, INCLUDING LAWN AREAS IF APPLICABLE, AND/OR PINE STRAW MULCH.
7. CONTRACTOR IS RESPONSIBLE FOR INSPECTION OF EXISTING CONDITIONS AND PROMPTLY REPORTING ANY DISCREPANCIES. CONTRACTOR TO PERFORM SOIL TESTS AS SPECIFIED.
8. CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND IS RESPONSIBLE FOR ANY DAMAGE THAT MAY OCCUR TO EXISTING UTILITIES.
9. MULCH ALL PLANTING BEDS WITH PINE STRAW MULCH TO A 4" DEPTH. SEE PLANS FOR LOCATIONS.
10. CONTRACTOR TO VERIFY THAT ALL PLANT MATERIAL IS DETERMINED AVAILABLE AS SPECIFIED WHEN BID/PROPOSAL IS SUBMITTED. DO NOT MAKE SUBSTITUTIONS. IF THERE ARE DIFFICULTIES LOCATING PLANT MATERIAL AS SPECIFIED, CONTACT LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO BIDDING.
11. PLANT SCHEDULE WAS PREPARED FOR ESTIMATING PURPOSES FOR THE CONTRACTOR'S CONVENIENCE ONLY. ITS ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL MAKE HIS/HER OWN QUANTITIES TAKEOFF USING DRAWINGS TO DETERMINE QUANTITIES TO HIS/HER SATISFACTION, REPORTING PROMPTLY ANY DISCREPANCIES WHICH MAY AFFECT BIDDING.
12. THE CONTRACTOR SHALL COORDINATE WITH OWNER/OWNER'S REPRESENTATIVE TO ESTABLISH A PLANTING SCHEDULE THAT PRIORITIZES THE PLANTING OF ALL TREES AND LAWN AREAS.
13. ALL PLANTS SHALL BE SUBJECT TO APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE BEFORE, DURING, AND AFTER INSTALLATION.
14. ALL PLANTING TECHNIQUES SHALL CONFORM TO THE APPLICABLE DETAIL.
15. ALL PLANTS SHALL HAVE A WELL FORMED HEAD WITH MINIMUM CALIPER, HEIGHT, AND SPREAD OR THE SIDE BRANCHES AS SHOWN ON THE PLANT LIST. TRUNKS SHALL BE UNDAMAGED AND SHAPE SHALL BE TYPICAL OF THE SPECIES.
16. ANNUALS TO BE PER OWNER'S CHOICE FOR SEASON OF INSTALLATION.
17. EXTERIOR PLANTS SHALL HAVE A ONE YEAR WARRANTY FROM DATE OF SUBSTANTIAL COMPLETION, AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS RESULTING FROM LACK OF ADEQUATE MAINTENANCE, NEGLECT, OR ABUSE BY OWNER, OR INCIDENTS THAT ARE BEYOND CONTRACTOR'S CONTROL.
18. ALL PLANT BEDS TO RECEIVE WEED INHIBITOR OF PREEN OR EQUAL.



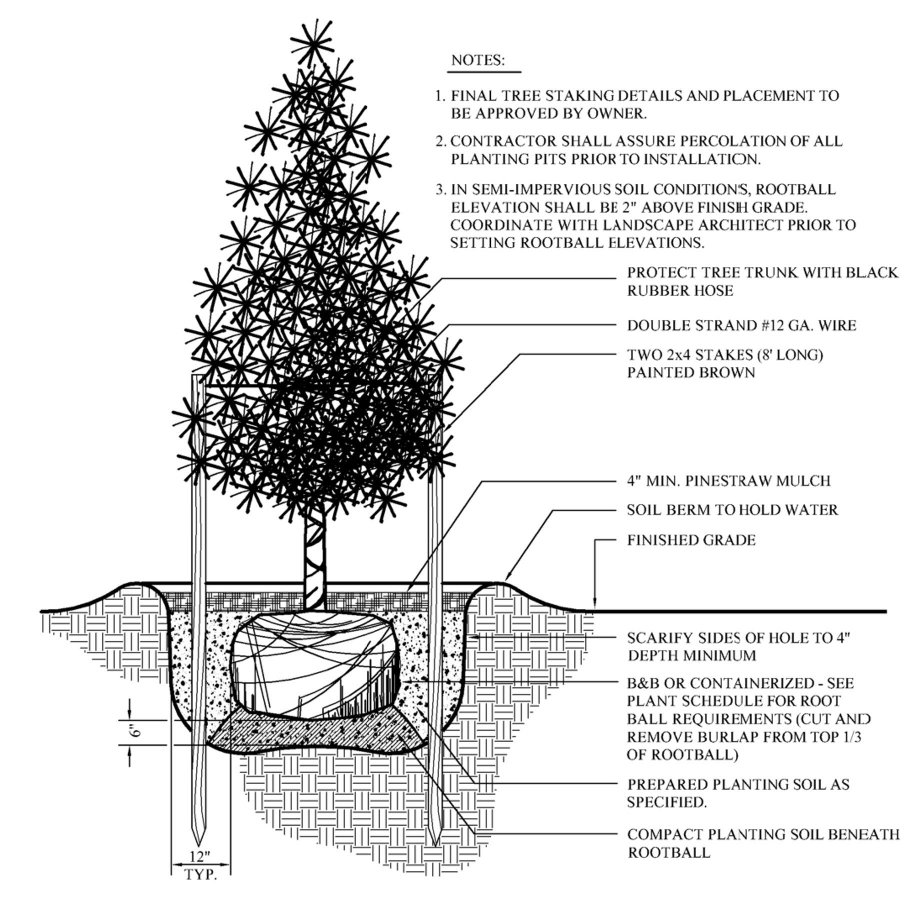
1 PALM TREE
L405 SCALE: N.T.S.



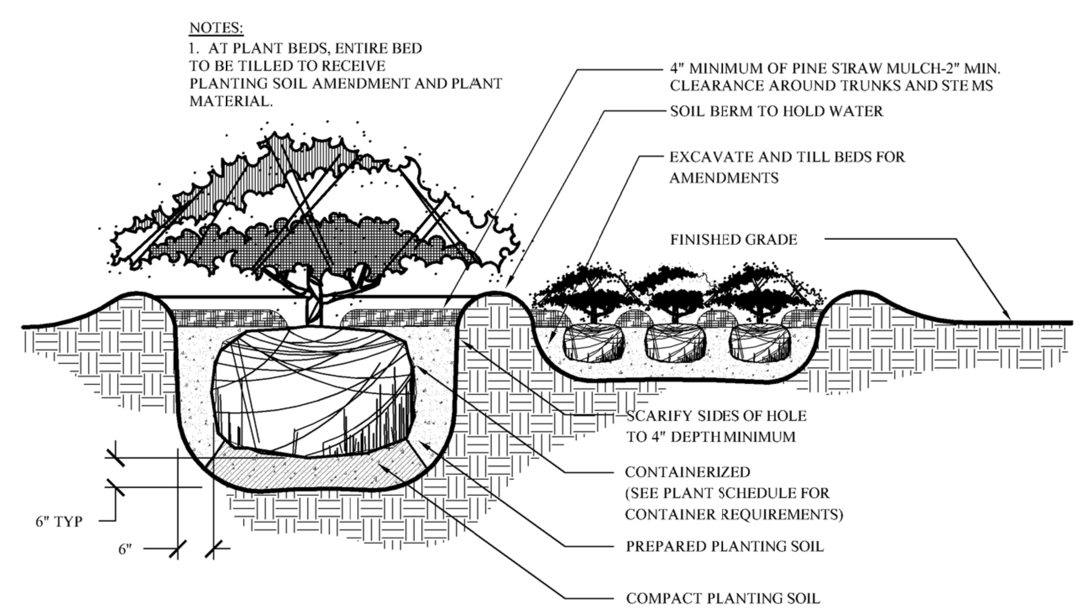
5 SPECIMEN PALM
L405 SCALE: N.T.S.



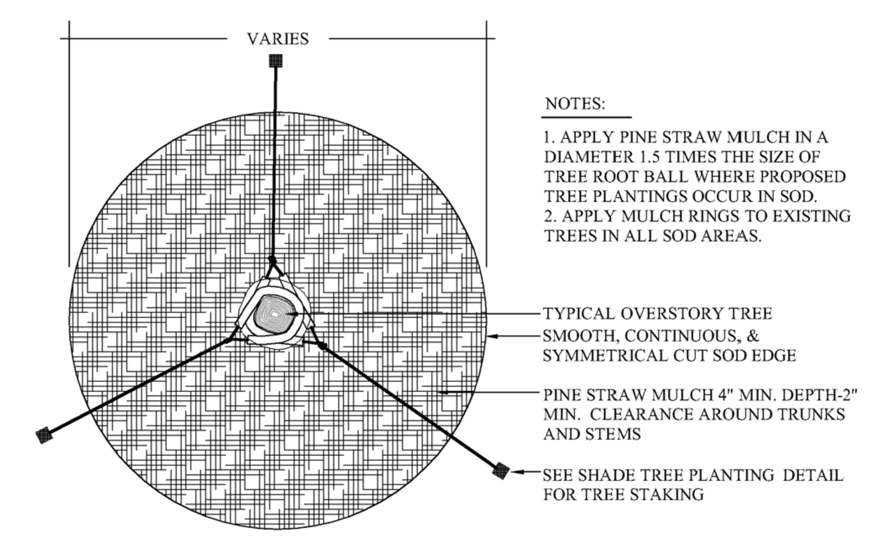
2 SHADE TREE
L405 SCALE: N.T.S.



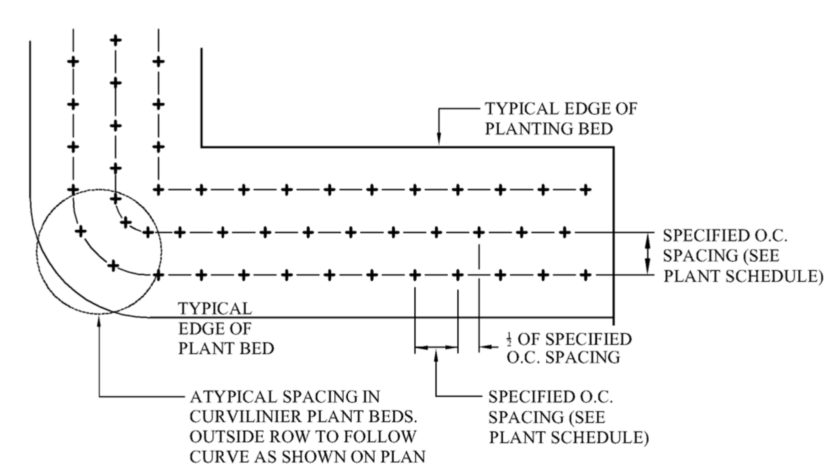
6 PINE TREE
L405 SCALE: N.T.S.



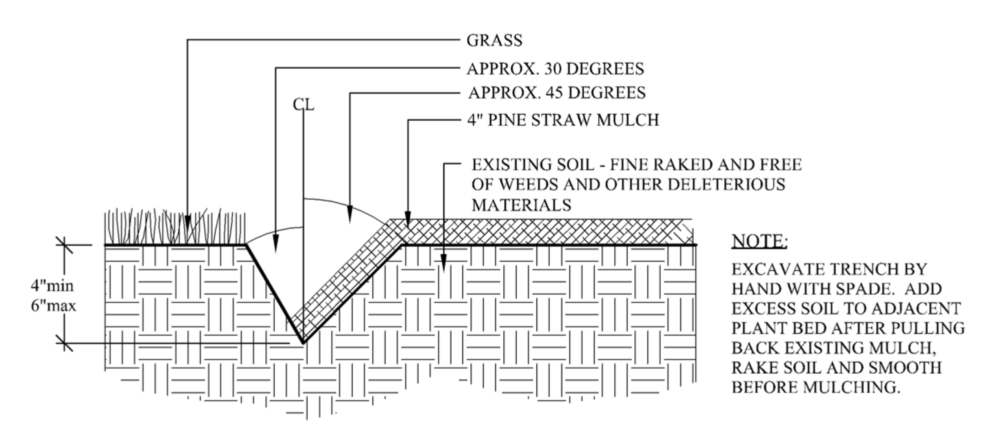
3 SHRUB PLANTING
L405 SCALE: N.T.S.



7 MULCH TREE RING
L405 SCALE: N.T.S.



4 GROUNDCOVER SPACING
L405 SCALE: N.T.S.



8 LANDSCAPE EDGE
L405 SCALE: N.T.S.

Wood+Partners Inc. WPi
Landscape Architects
Land Planners
PO Box 23949 Hilton Head Island, SC 29925
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Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: BH, EL
CHECKED BY: TG

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PROFESSIONAL STAMPS:

#	REVISION	DATE	BY
3	PLANT SCHEDULE REVISIONS	8/5/16	TG

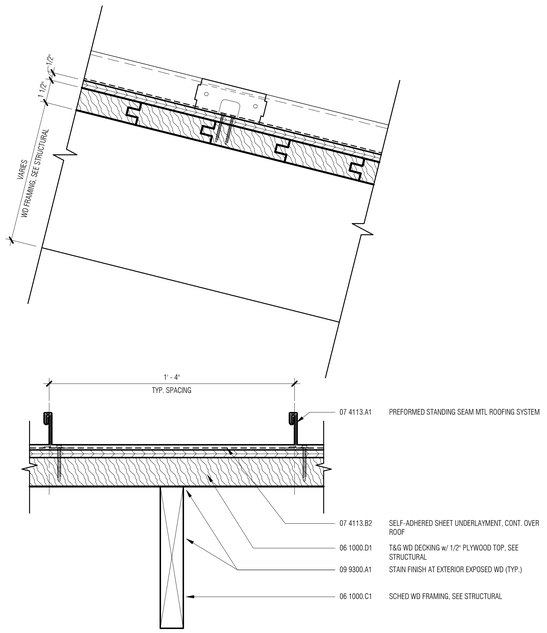
DATE 6-30-2016
PROJECT NUMBER 01-16002
SHEET TITLE Landscape Details
SHEET NUMBER L-405

ASSEMBLY TYPE LEGEND:

EW-01 — **TYPE** SEE DESCRIPTION THIS SHEET

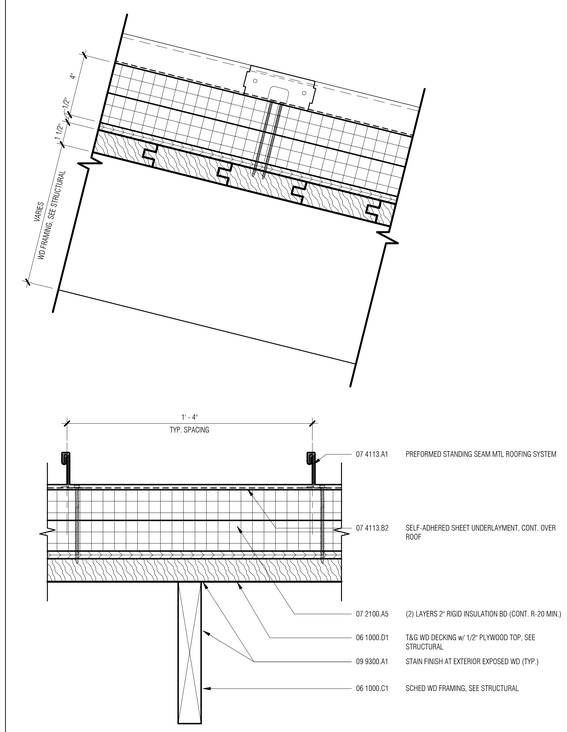
CATEGORY
EW EXTERIOR WALLS
RF ROOFS

RF-02 — PREFORMED STANDING SEAM MTL ROOF SYSTEM OVER T&G WD DECKING & PLYWOOD



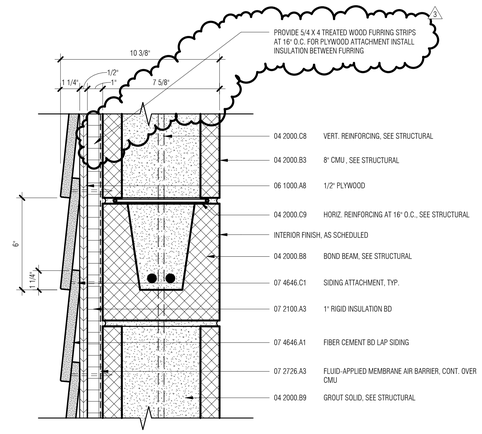
TYP. ASSEMBLY DETAIL - RF-02 SCALE: 3"=1'-0"

RF-01 — PREFORMED STANDING SEAM MTL ROOF SYSTEM OVER RIGID INSULATION BOARD & T&G WD DECKING



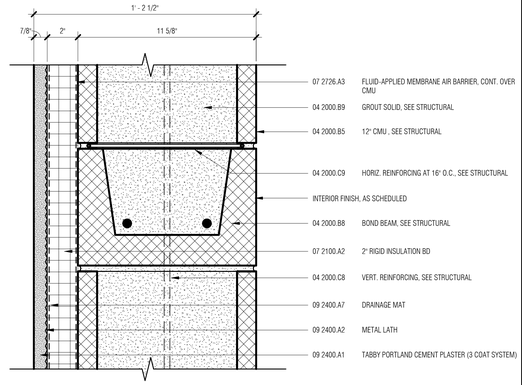
TYP. ASSEMBLY DETAIL - RF-01 SCALE: 3"=1'-0"

EW-05 — 8" CMU w/ FIBER CEMENT BOARD SIDING



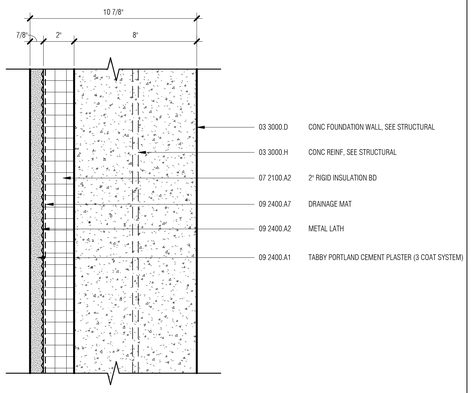
TYP. ASSEMBLY DETAIL - EW-05 SCALE: 3"=1'-0"

EW-04 — 12" CMU w/ STUCCO



TYP. ASSEMBLY DETAIL - EW-04 SCALE: 3"=1'-0"

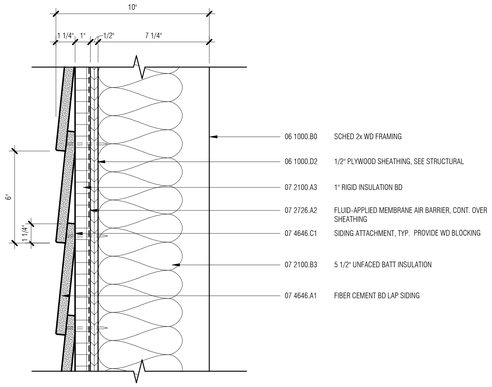
EW-02 — 8" CONCRETE w/ STUCCO



TYP. ASSEMBLY DETAIL - EW-02 SCALE: 3"=1'-0"

EW-01 — WD STUD FRAMING w/ FIBER CEMENT BD LAP SIDING

NOTE:
EW-01A 2x8 WD FRAMING
EW-01B 2x6 WD FRAMING
EW-01C 2x4 WD FRAMING



TYP. ASSEMBLY DETAIL - EW-01 SCALE: 3"=1'-0"

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MPN
CHECKED BY: EMB

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PROFESSIONAL STAMPS:
STATE OF SOUTH CAROLINA — WATSON TATE SAVORY, INC. COLUMBIA, SC ARF.100837 — REGISTERED ARCHITECT
STATE OF SOUTH CAROLINA — EUGENE M. BELL COLUMBIA, SC 7224 — REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE 6-30-2016
PROJECT NUMBER 01-16002
SHEET TITLE ASSEMBLY TYPE SCHEDULE

SHEET NUMBER A0.001

WTS WATSON TATE SAVORY
WTS Project No. 1406
Wood+Partners Inc. WPi
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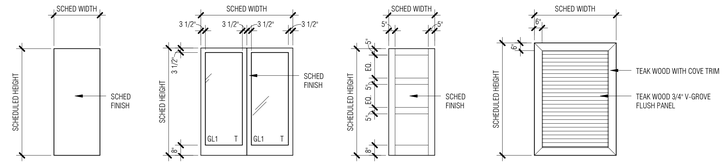
DOOR SCHEDULE

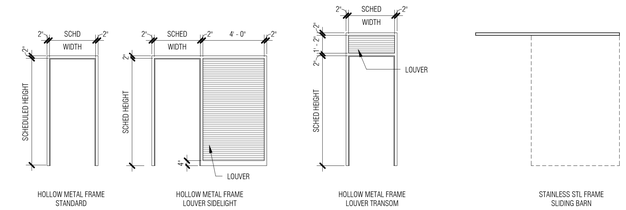
MARK	DIMENSIONS WIDTH	HEIGHT	THICKNESS	FIRE RATING	PANEL TYPE	MATL	FINISH	FRAME TYPE	MATL	FINISH	DETAILS HEAD	JAMB	SILL	HDWR SET	REMARKS
3 100A	6' - 0"	7' - 0"	1 3/4"	---	P02	WD	ST	SEE ELEV	WD	ST	3/A1.501	4/A1.501	2/A1.501	16	ADDED IN ADDENDUM 3
100B	6' - 0"	7' - 0"	1 3/4"	---	P02	WD	ST	SEE ELEV	WD	ST	3/A1.501	4/A1.501	2/A1.501	16	ADDED IN ADDENDUM 3
101A	6' - 0"	7' - 0"	1 3/4"	---	P02	WD	CLAD	SEE ELEV	WD	CLAD	3/A1.501	4/A1.501	2/A1.501	01	
101B	3' - 0"	7' - 0"	1 3/4"	---	P01	HM	PT	F01	HM	PT	H3	J3	S1	02	
101C	6' - 0"	7' - 0"	1 3/4"	---	P02	WD	CLAD	SEE ELEV	WD	CLAD	3/A1.501	4/A1.501	2/A1.501	01	
101D	3' - 0"	7' - 0"	1 3/4"	---	P03	WD	ST	F01	HM	CLAD	H3	J3	S1	03	
101E	4' - 0"	3' - 6"	2"	---	---	---	---	---	---	---	---	---	---	07	EXTERIOR SECURITY GATE IN RAILING SYSTEM
102	3' - 0"	7' - 0"	1 3/4"	---	P01	HM	PT	F01	HM	PT	H2	J2	S2	04	
103	3' - 0"	7' - 0"	1 3/4"	---	P01	HM	PT	F01	HM	PT	H3	J3	S1	05	
104	3' - 0"	7' - 0"	1 3/4"	---	P01	HM	PT	F02	HM	PT	H3	J3	S1	07	
201	3' - 0"	7' - 2"	1 3/4"	--	P01	HM	PT	F01	HM	PT	H4	J4	S3	08	
202	3' - 0"	7' - 2"	1 3/4"	--	P01	HM	PT	F01	HM	PT	H4	J4	S3	08	
203	3' - 0"	7' - 2"	1 3/4"	--	P01	HM	PT	F03	HM	PT	H4	J4	S4	09	
204	3' - 0"	7' - 2"	1 3/4"	--	P01	HM	PT	F01	HM	PT	H4	J4	S4	10	
205	3' - 0"	7' - 2"	1 3/4"	--	P01	HM	PT	F01	HM	PT	H4	J4	S4	11	
206	3' - 0"	7' - 2"	1 3/4"	--	P01	HM	PT	F03	HM	PT	H4	J4	S3	12	
207	3' - 0"	7' - 2"	1 3/4"	--	P01	HM	PT	F03	HM	PT	H4	J4	S4	09	
301A	3' - 8"	7' - 2"	1 3/4"	---	P01	HM	PT	F01	HM	PT	H4	J4	S5	13	
301B	3' - 8"	7' - 2"	1 3/4"	---	P01	HM	PT	F01	HM	PT	H4	J4	S5	13	
301C	5' - 4"	7' - 4"	2 1/4"	---	P04	IPE	ST	F04	SST	---	H5	J5		15	
302A	5' - 4"	7' - 4"	2 1/4"	---	P04	IPE	ST	F04	SST	---	H5	J5		15	
302B	3' - 8"	7' - 2"	1 3/4"	---	P01	HM	PT	F01	HM	PT	H4	J4	S5	13	
303	3' - 8"	7' - 2"	1 3/4"	---	P01	HM	PT	F01	HM	PT	H4	J4	S5	14	
401	3' - 0"	7' - 2"	1 3/4"	--	P01	HM	PT	F01	HM	PT	H4	J4	S3	12	
402	3' - 0"	7' - 2"	1 3/4"	--	P01	HM	PT	F01	HM	PT	H4	J4	S3	12	

DOOR PANEL TYPE ELEVATIONS:



FLUSH PANEL P01 | GLAZED P02 | 3 PANEL P03 | SLIDING BARN P04

DOOR FRAME TYPE ELEVATIONS:



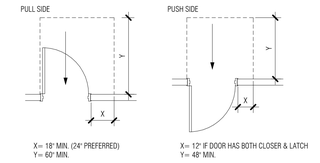
HOLLOW METAL FRAME STANDARD F01 | HOLLOW METAL FRAME LOUVER SIDELIGHT F02 | HOLLOW METAL FRAME LOUVER TRANSOM F03 | STAINLESS STL FRAME SLIDING BARN F04

ABBREVIATIONS:

WD	WOOD
HM	HOLLOW METAL
ST	STAIN
PT	PAINT
SST	STAINLESS STL

DOOR CONFIGURATION LEGEND:

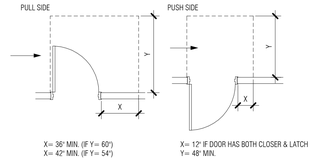
FRONT APPROACH



X= 18" MIN. (24" PREFERRED) Y= 60" MIN.

X= 12" IF DOOR HAS BOTH CLOSER & LATCH Y= 48" MIN.

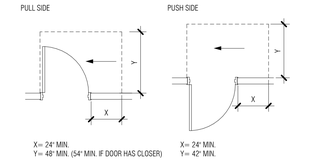
HINGE SIDE APPROACH



X= 36" MIN. (IF Y= 60") X= 42" MIN. (IF Y= 54")

X= 12" IF DOOR HAS BOTH CLOSER & LATCH Y= 48" MIN.

LATCH SIDE APPROACH



X= 24" MIN. Y= 48" MIN. (54" MIN. IF DOOR HAS CLOSER)

X= 24" MIN. Y= 42" MIN.

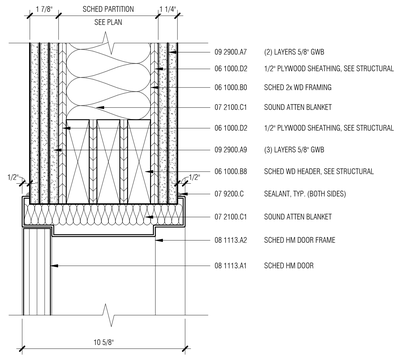
NOTES:

ERECT ALL DOOR FRAMES & ADJACENT WALLS TO CONFORM TO THE APPLICABLE PLAN CONFIGURATION. NOTIFY ARCHITECT OF AN CONFLICTS PRIOR TO INSTALLATION.

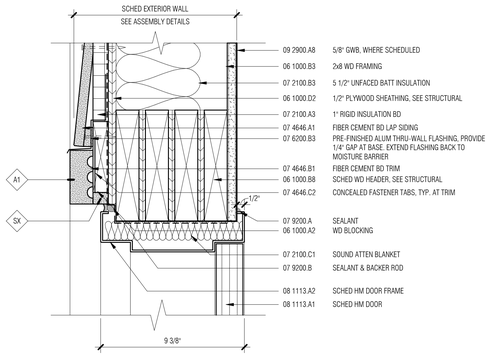
ALL DOORS SHALL COMPLY WITH THE CLEARANCES FOR APPROACHES INDICATED.

GLAZING TYPE LEGEND:

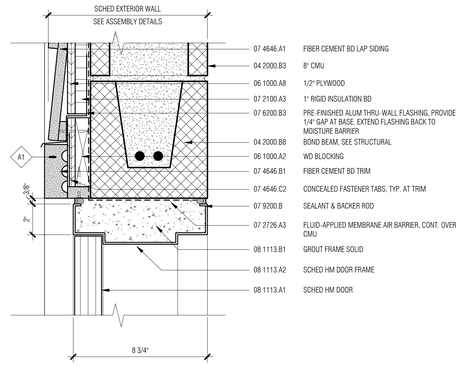
GL1 - CLEAR
1 5/16" LOW E INSULATED HURRICANE IMPACT RATED
TEMPERED, WHERE SHOWN



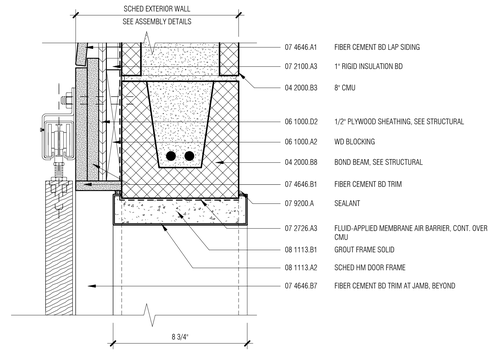
H2 TYP. HEAD DETAIL - INT. SHEAR WALL
3" = 1'-0"



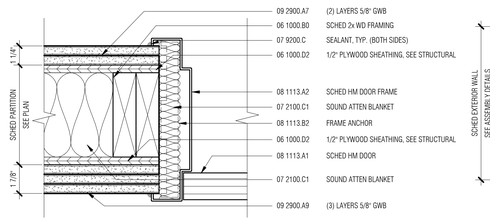
H3 TYP. HEAD DETAIL - EXT. MUSEUM
3" = 1'-0"



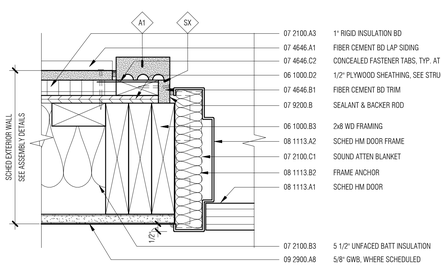
H4 TYP. HEAD DETAIL - EXT. RESTROOM/PAVILION
3" = 1'-0"



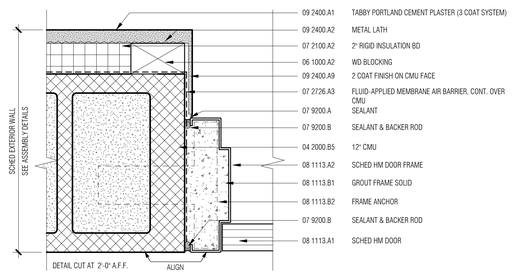
H5 HEAD DETAIL - EXT. PAVILION SLIDING DOOR
3" = 1'-0"



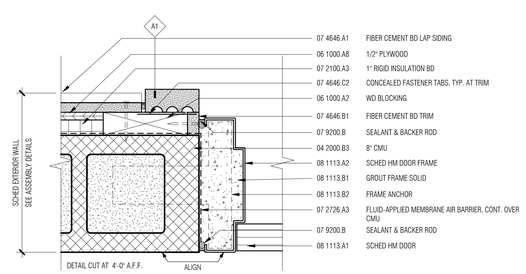
J2 TYP. JAMB DETAIL - INT. SHEAR WALL
3" = 1'-0"

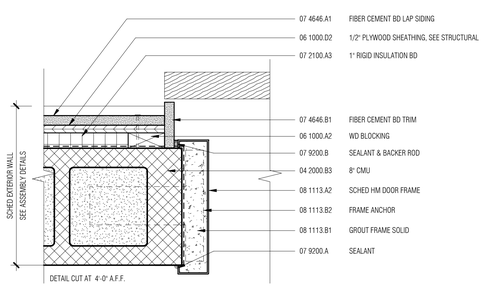


J3 TYP. JAMB DETAIL - EXT. MUSEUM
3" = 1'-0"



J4 TYP. JAMB DETAIL - EXT. RESTROOM/PAVILION
3" = 1'-0"





J5 TYP. JAMB DETAIL - EXT. PAVILION SLIDING DOOR
3" = 1'-0"

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MPN
CHECKED BY: EMB

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PROFESSIONAL STAMPS:

STATE OF SOUTH CAROLINA
WATSON TATE SAVORY, INC.
COLUMBIA, SC
ARF.100837
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
DOOR SCHEDULE & DETAILS

WTS WATSON TATE SAVORY
WTS Project No. 1406
Wood+Partners Inc. WPi
Landscape Architects Land Planners
PO Box 23949 ■ Hilton Head Island, SC 29925
843.681.6618 ■ Fax 843.681.7086 ■ www.woodandpartners.com

SHEET NUMBER
A0.003

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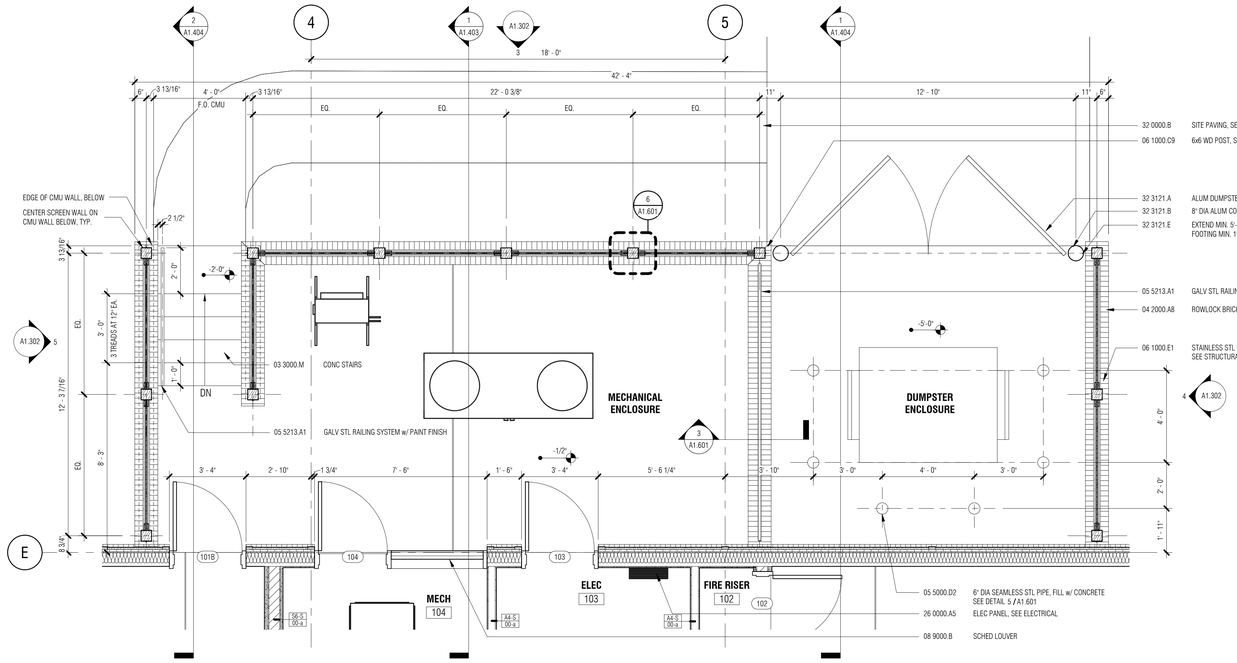
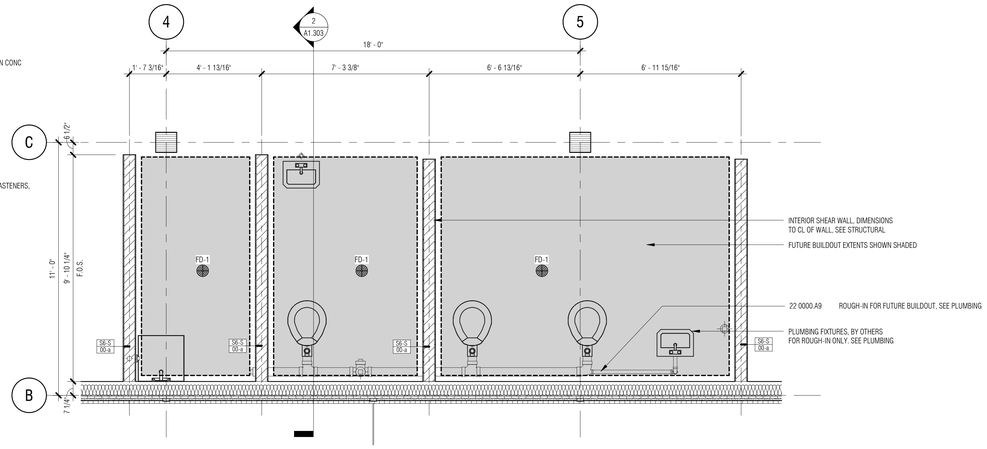
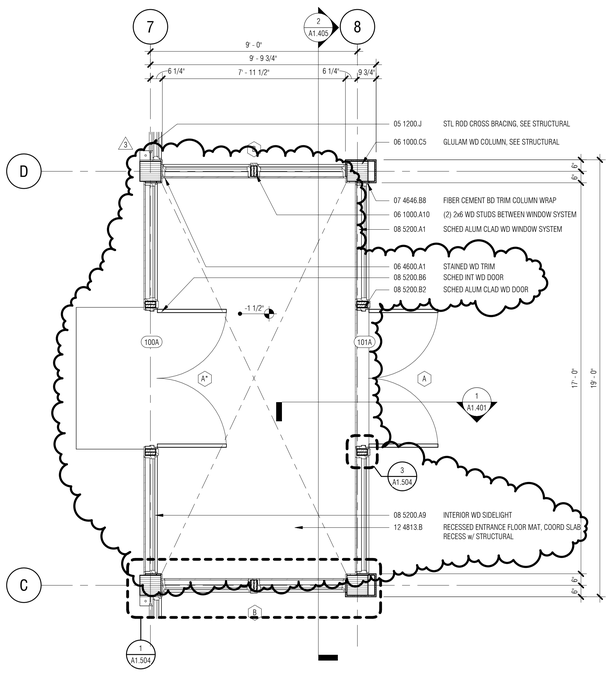


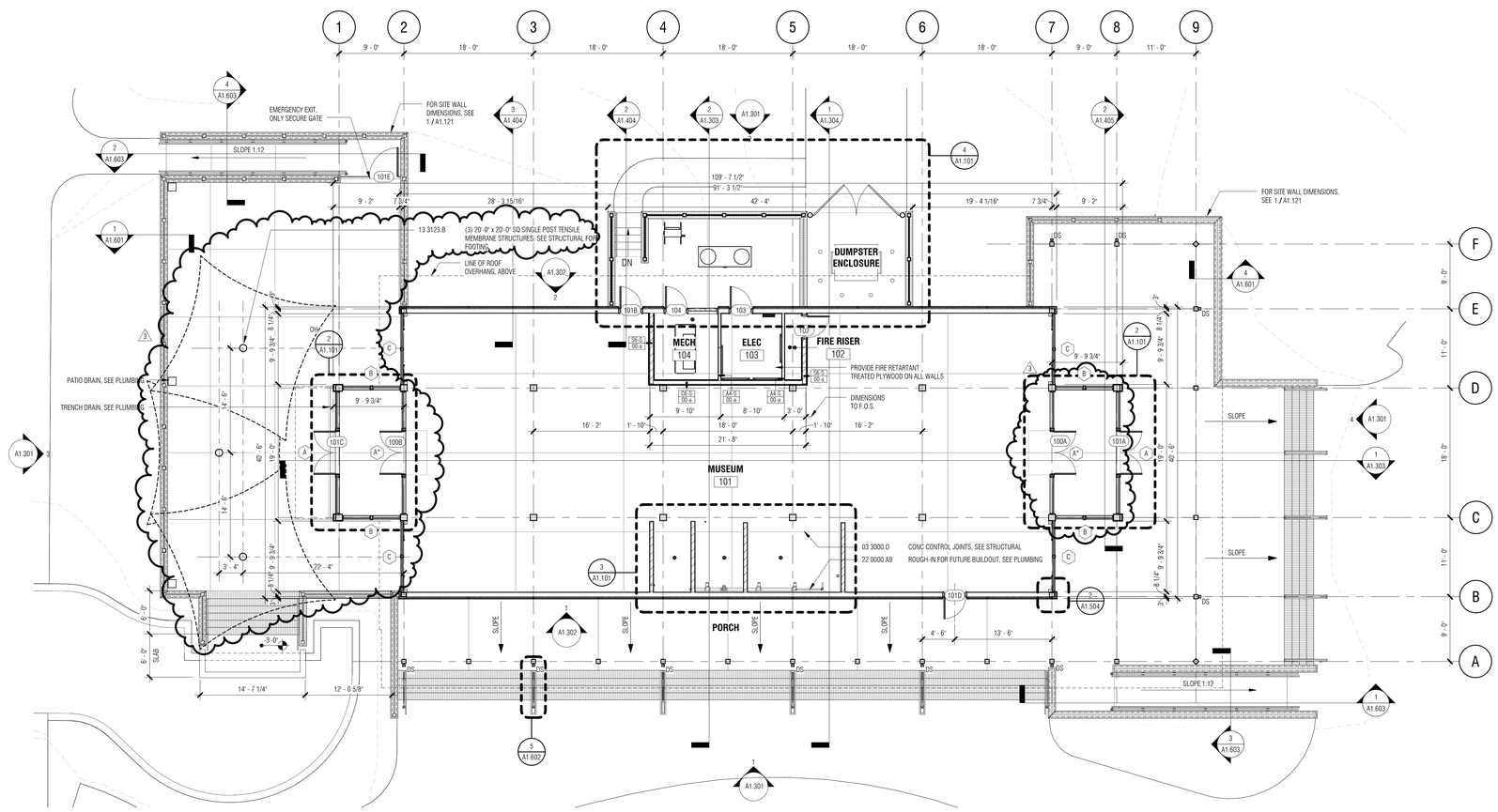
4 A1.101 ENLARGED FLOOR PLAN
3/8" = 1'-0"



3 A1.101 ENLARGED PLAN - FUTURE TOILETS (BY OTHERS)
3/8" = 1'-0"



2 A1.101 ENLARGED PLAN - FIRST FLOOR ENTRANCE
3/8" = 1'-0"



1 A1.101 FIRST FLOOR PLAN
1/8" = 1'-0"

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MPN
CHECKED BY: EMB

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STATE OF SOUTH CAROLINA
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COLUMBIA, SC
ARF.100837
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
FLOOR PLANS

WTS WATSON TATE SAVORY
WTS Project No. 1406
Wood+Partners Inc. WPI
Landscape Architects
Land Planners
PO Box 23949 ■ Hilton Head Island, SC 29925
843.681.6518 ■ Fax 843.681.7086 ■ www.woodandpartners.com

SHEET NUMBER
A1.101

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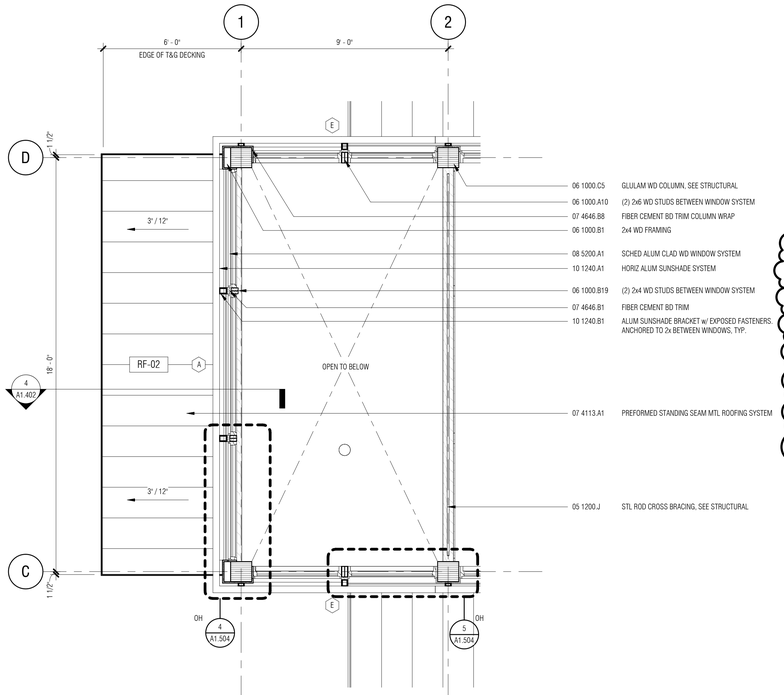
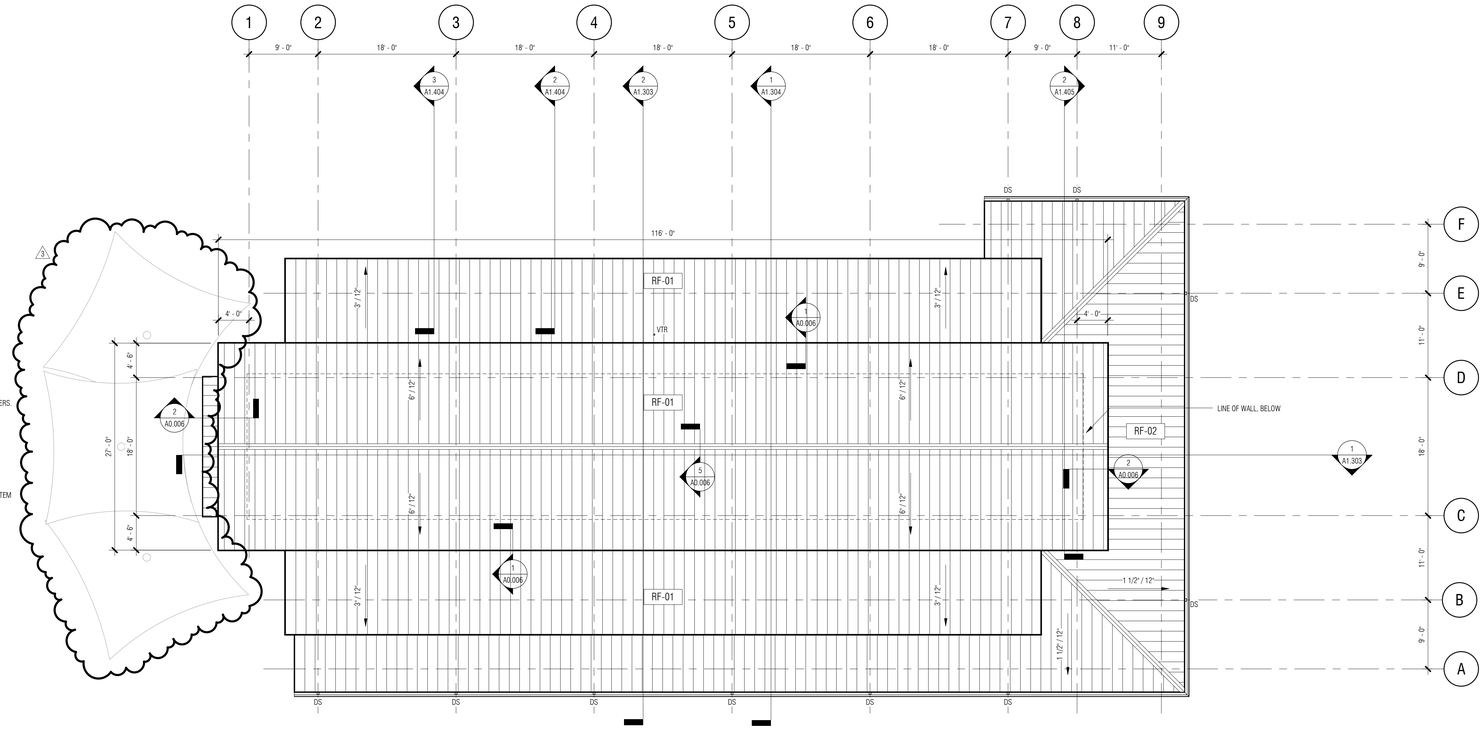
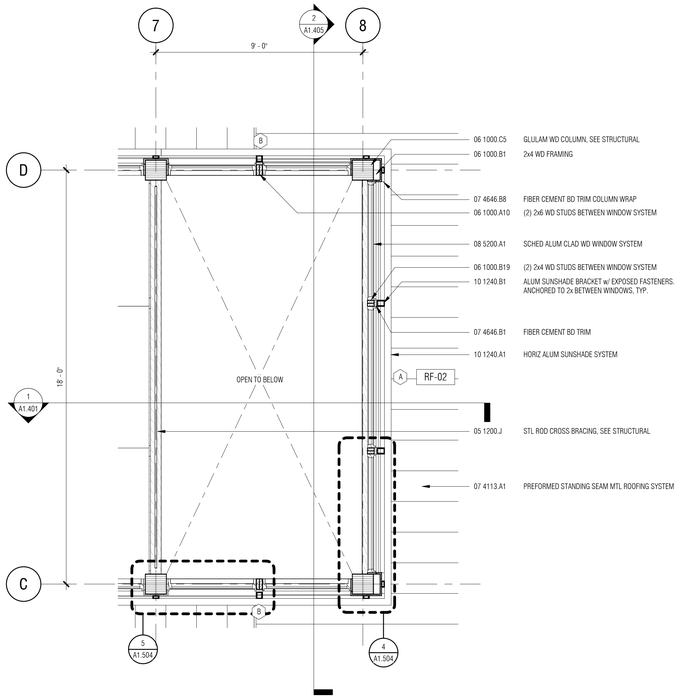


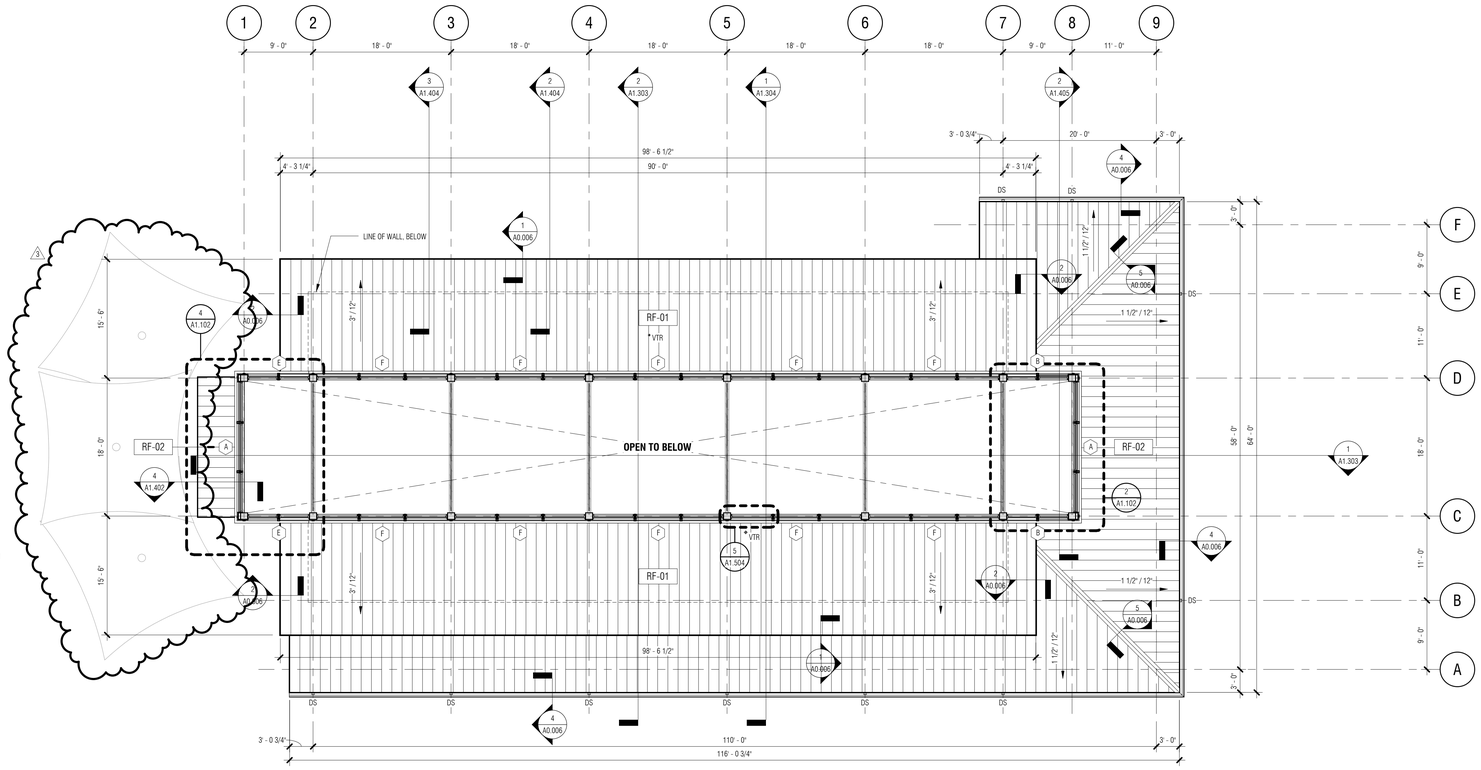
4 A1.102 ENLARGED PLAN - CLERESTORY ROOF OVERHANG
3/8" = 1'-0"



3 A1.102 ROOF PLAN
1/8" = 1'-0"



2 A1.102 ENLARGED PLAN - CLERESTORY ABOVE ENTRY
3/8" = 1'-0"



1 A1.102 FLOOR PLAN - CLERESTORY
1/8" = 1'-0"

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MPN
CHECKED BY: EMB

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STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
ROOF PLANS

WTS WATSON TATE SAVORY
WTS Project No. 1406
Wood+Partners Inc. WPi
Landscape Architects
Land Planners
PO Box 23949 ■ Hilton Head Island, SC 29925
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SHEET NUMBER
A1.102

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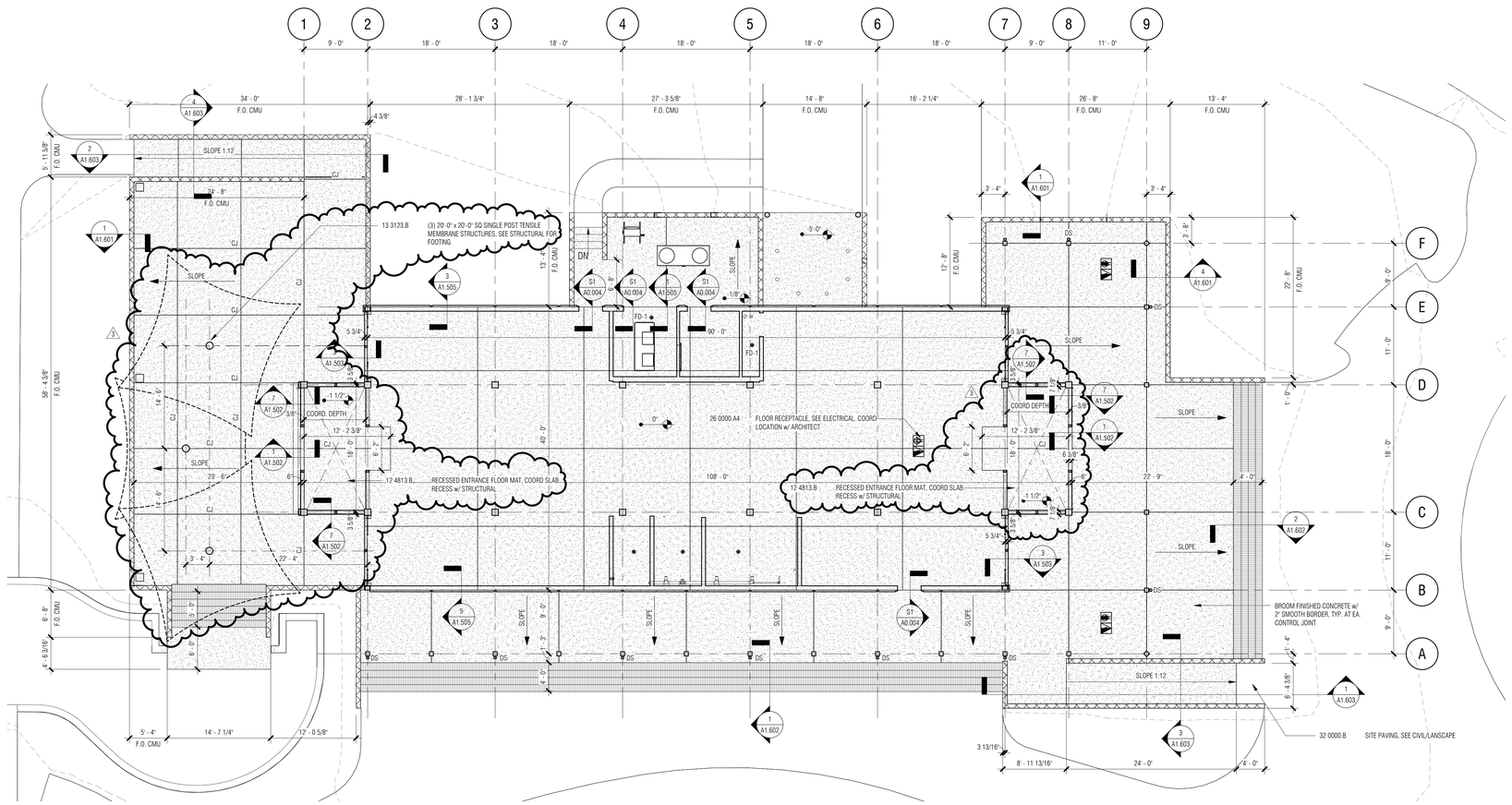

1 A1.121 SLAB EDGE PLAN
1/8" = 1'-0"

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY:
MPN

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EMB

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ARF.100837
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
SLAB EDGE PLAN

SHEET NUMBER
A1.121

WTS
WATSON TATE SAVORY
WTS Project No. 1406

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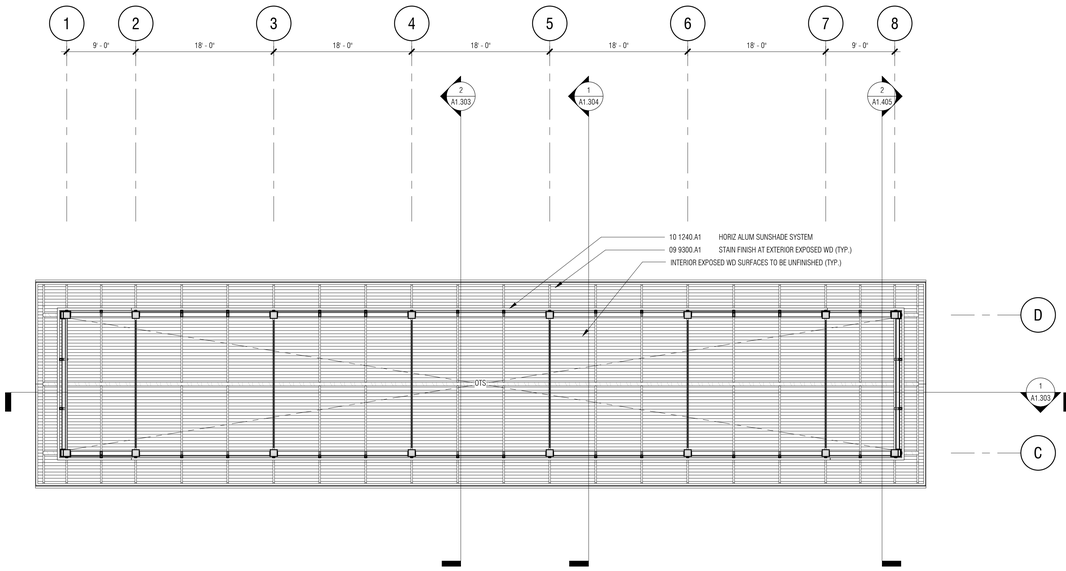
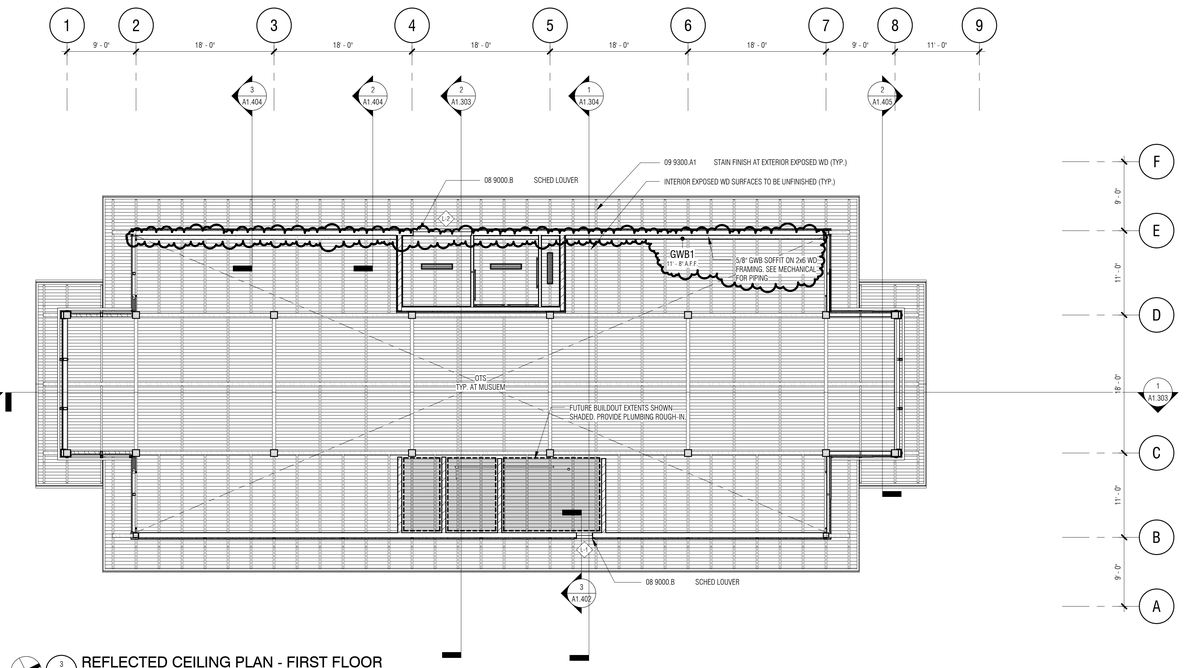


REFLECTED CEILING PLAN - CLERESTORY
1/8" = 1'-0"



REFLECTED CEILING PLAN - FIRST FLOOR
1/8" = 1'-0"

SYMBOL LEGEND:

MATERIALS

OTS
OPEN TO STRUCTURE ABOVE

ANNOTATION

GWB1 — CEILING TYPE
9'-0" A.F.F. — FINISHED CEILING ELEVATION

LIGHT FIXTURES

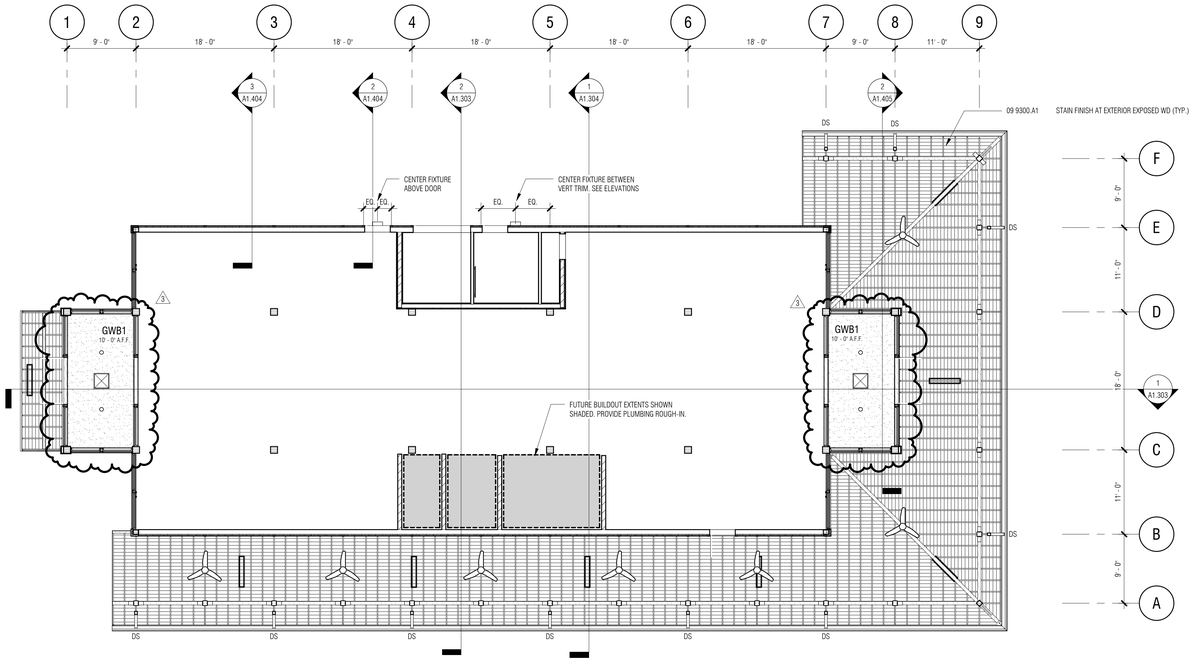
2'-0" x 4'-0" RECESSED SEMI-INDIRECT FLUORESCENT

RECESSED LINEAR WALLWASH

RECESSED CAN

MECHANICAL

CEILING FAN
PROVIDE 2x BLOCKING (DEPTH OF ADJACENT RAFTERS) TO SUPPORT FANS, TYP.



REFLECTED CEILING PLAN - PORCH
1/8" = 1'-0"

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY:
MPN

CHECKED BY:
EMB

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WATSON TATE SAVORY, INC.
COLUMBIA, SC
ARF:100837
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
REFLECTED CEILING PLANS

WTS
WATSON TATE SAVORY
WTS Project No. 1406

Wood+Partners Inc. WPi
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PO Box 23949 ■ Hilton Head Island, SC 29926
843.681.6518 ■ Fax 843.681.7056 ■ www.woodandpartners.com

SHEET NUMBER
A1.201

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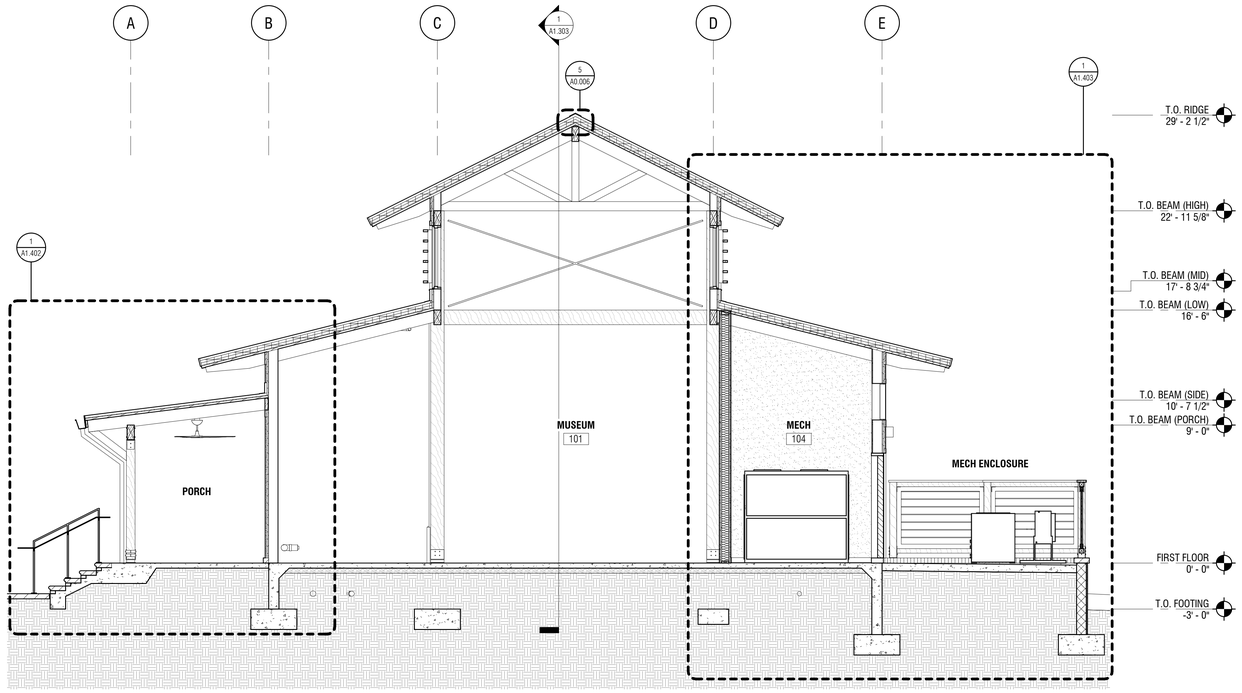
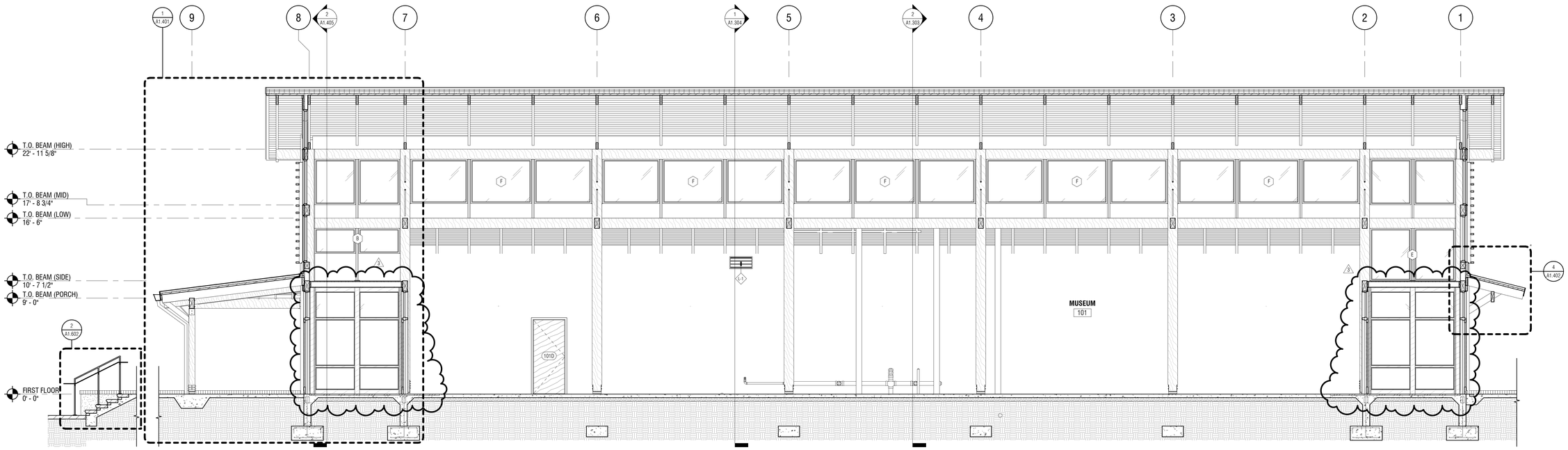


2 A1.303 BUILDING SECTION
1/4" = 1'-0"



1 A1.303 BUILDING SECTION
1/4" = 1'-0"

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY:
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COLUMBIA, SC
ARF:100837
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
BUILDING SECTIONS

WTS
WATSON TATE SAVORY
WTS Project No. 1406

Wood+Partners Inc. WPi
Landscape Architects
Land Planners
PO Box 23949 ■ Hilton Head Island, SC 29925
843.681.6518 ■ Fax 843.681.7086 ■ www.woodandpartners.com

SHEET NUMBER
A1.303

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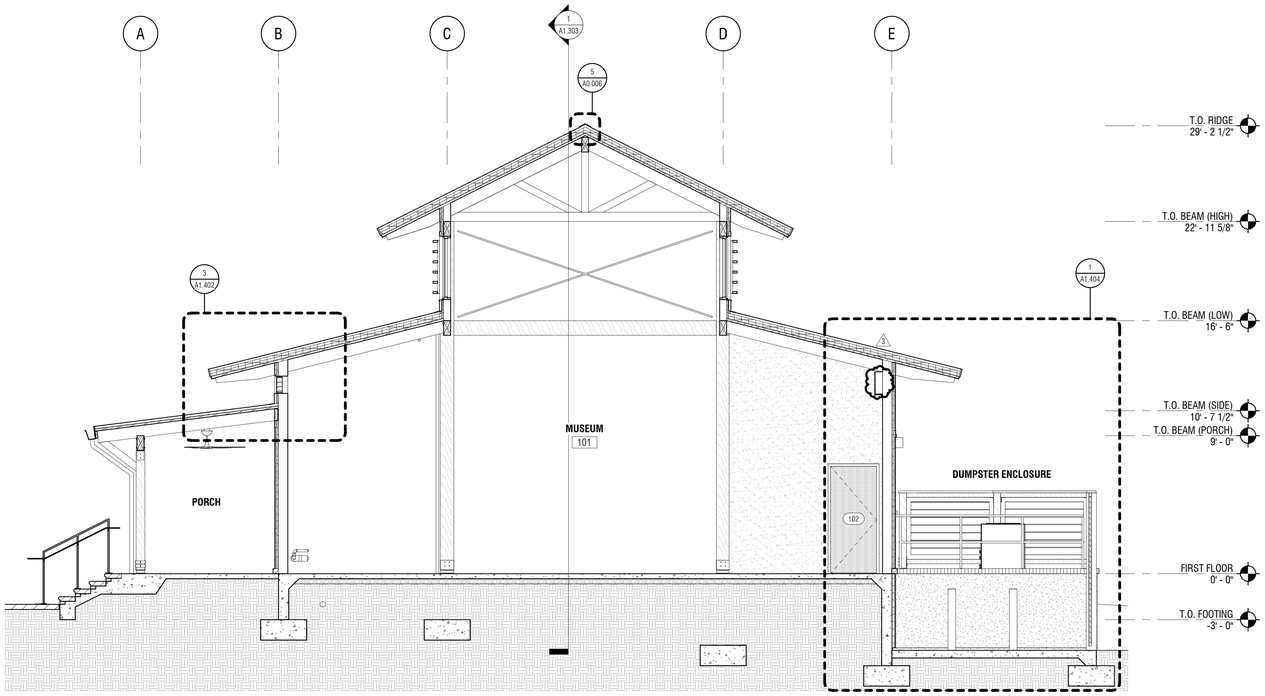

1 A1.304 BUILDING SECTION
1/4" = 1'-0"

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

DRAWN BY:
Author

CHECKED BY:
Checker

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PROFESSIONAL STAMPS:

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WATSON TATE SAVORY, INC.
COLUMBIA, SC
ARF.100837
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
BUILDING SECTIONS

WTS
WATSON TATE SAVORY
WTS Project No. 1406

Wood+Partners Inc. WPi
Landscape Architects
Land Planners
PO Box 23949 ■ Hilton Head Island, SC 29925
843.681.6518 ■ Fax 843.681.7056 ■ www.woodandpartners.com

SHEET NUMBER
A1.304

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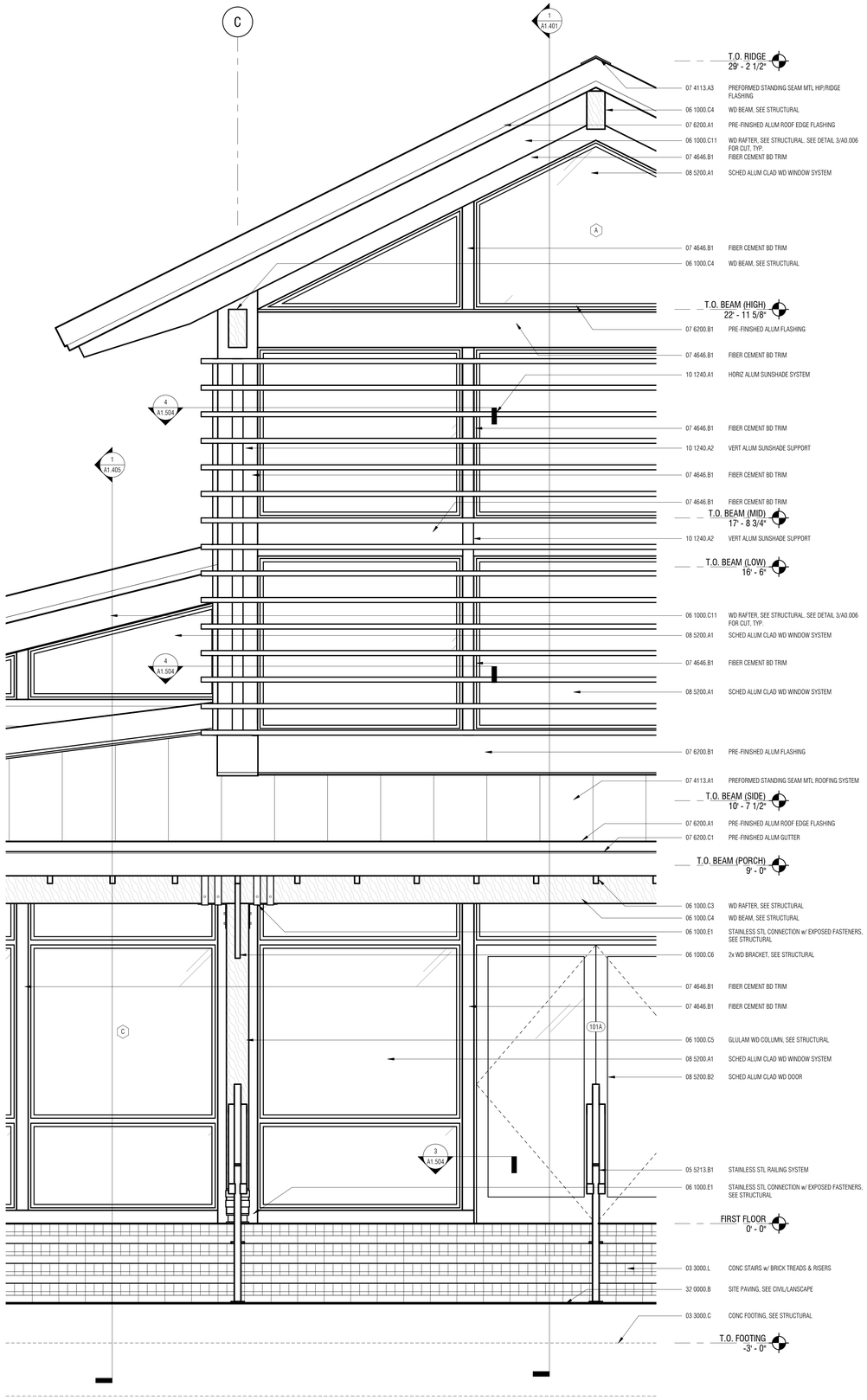
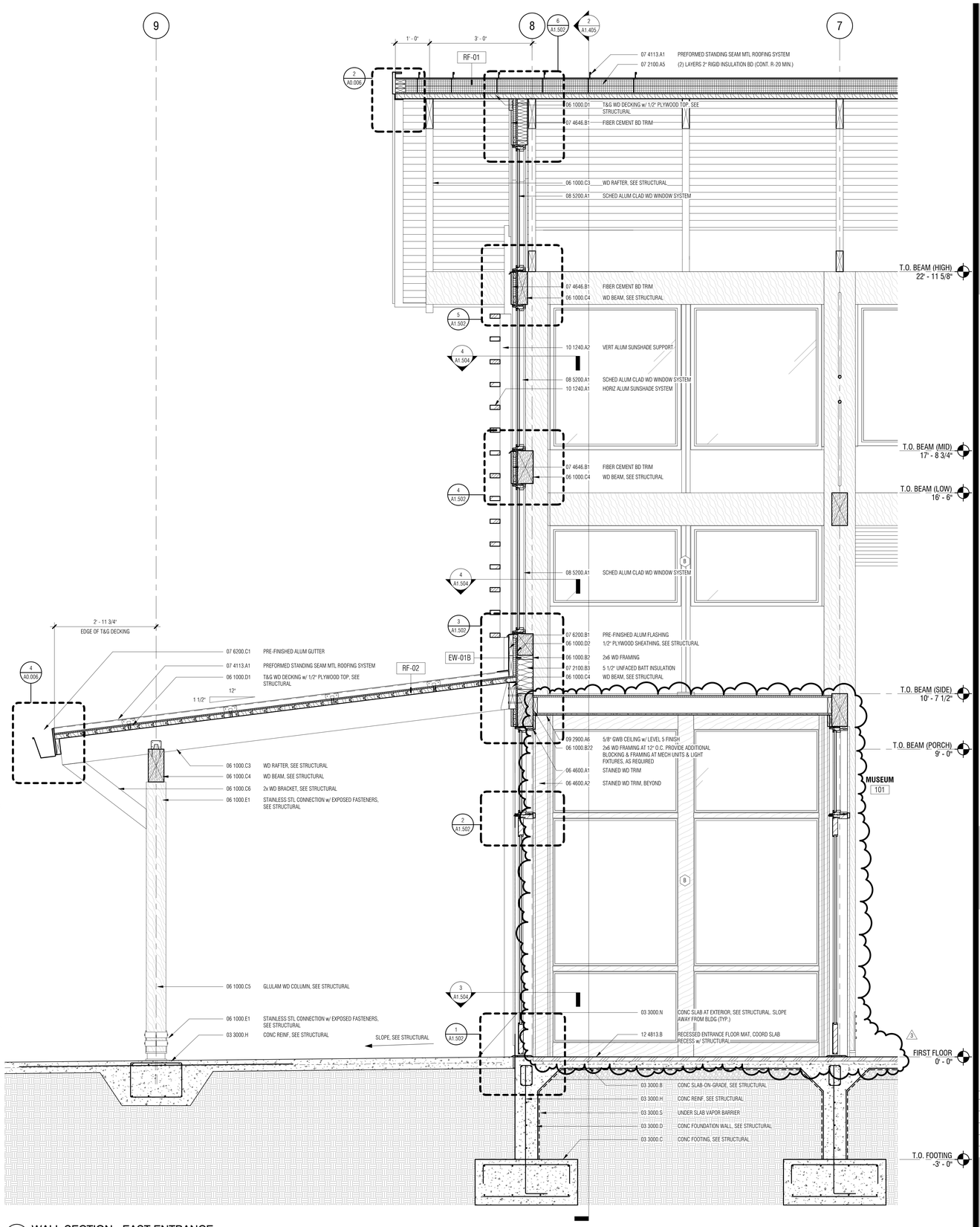


2 A1.401 ENLARGED ELEVATION - EAST ENTRANCE
3/4" = 1'-0"



1 A1.401 WALL SECTION - EAST ENTRANCE
3/4" = 1'-0"

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MPN
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COLUMBIA, SC
ARF.100837
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
ENLARGED ELEVATION & WALL SECTION

SHEET NUMBER
A1.401

WTS WATSON TATE SAVORY
WTS Project No. 1406
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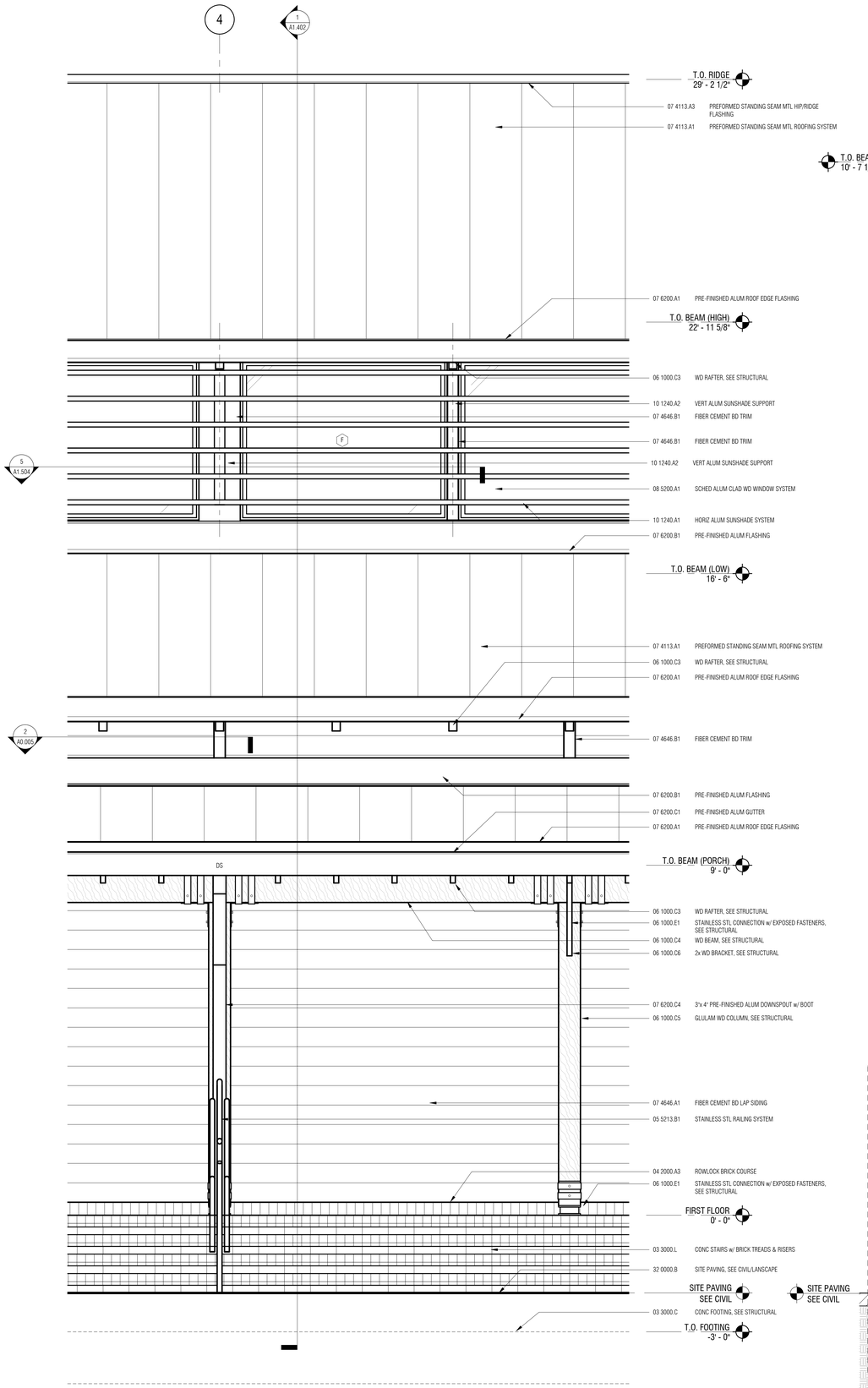
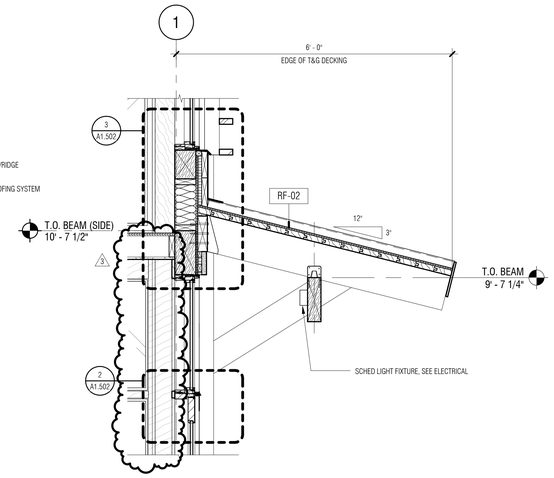
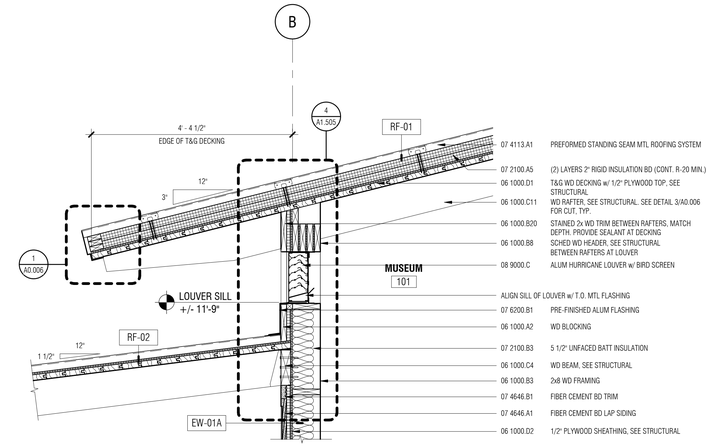


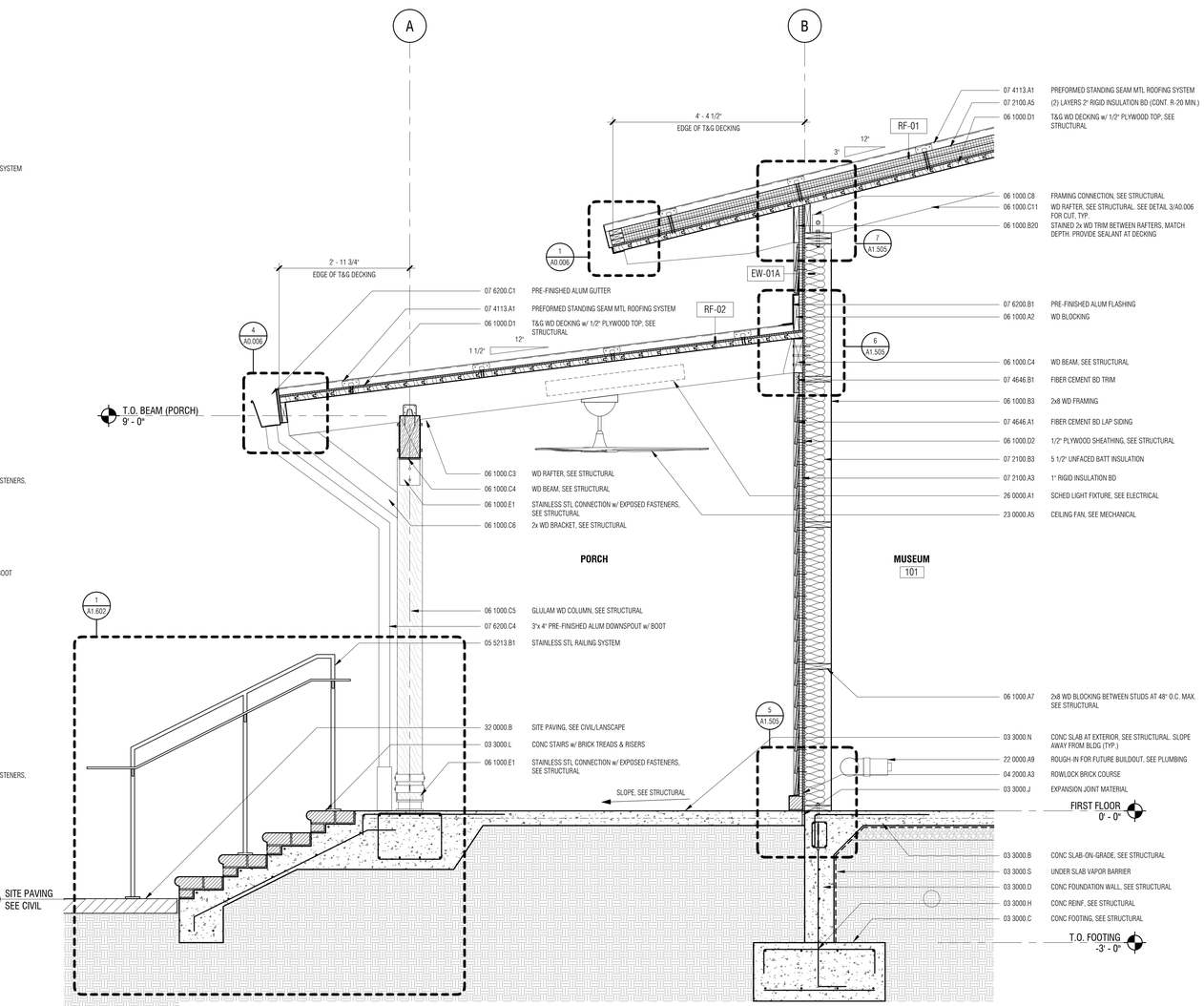
2 A1.402 ENLARGED ELEVATION - SOUTH PORCH
3/4" = 1'-0"



4 A1.402 PARTIAL WALL SECTION - WEST ROOF OVERHANG
3/4" = 1'-0"



3 A1.402 PARTIAL WALL SECTION - LOUVER
3/4" = 1'-0"



1 A1.402 WALL SECTION - SOUTH PORCH
3/4" = 1'-0"

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MPN
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STATE OF SOUTH CAROLINA
WATSON TATE SAVORY, INC.
COLUMBIA, SC
ARF.100837
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
1	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
ENLARGED ELEVATION & WALL SECTION

WTS WATSON TATE SAVORY
WTS Project No: 1406
Wood+Partners Inc. WPi
Landscape Architects Land Planners
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SHEET NUMBER
A1.402

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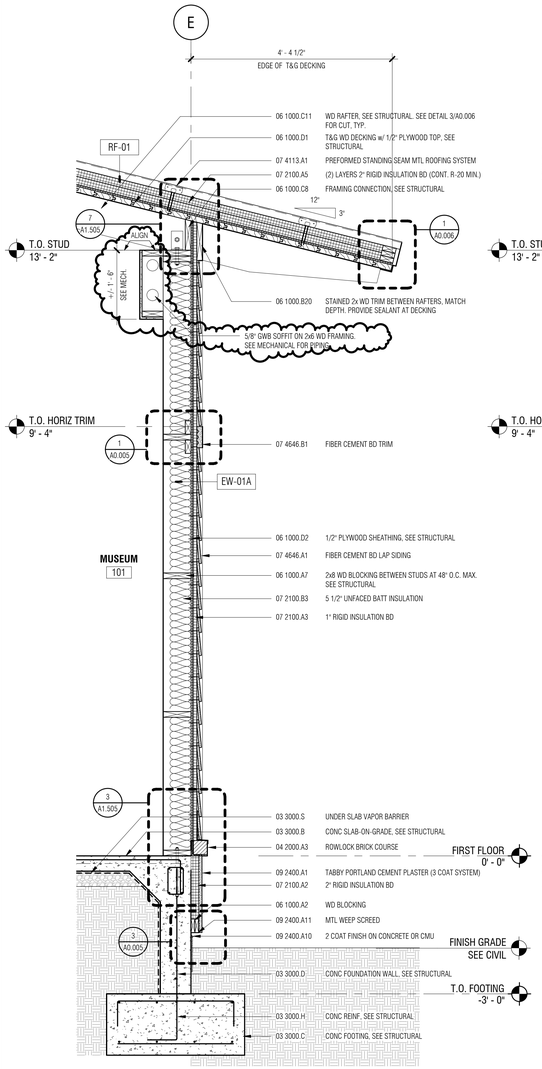
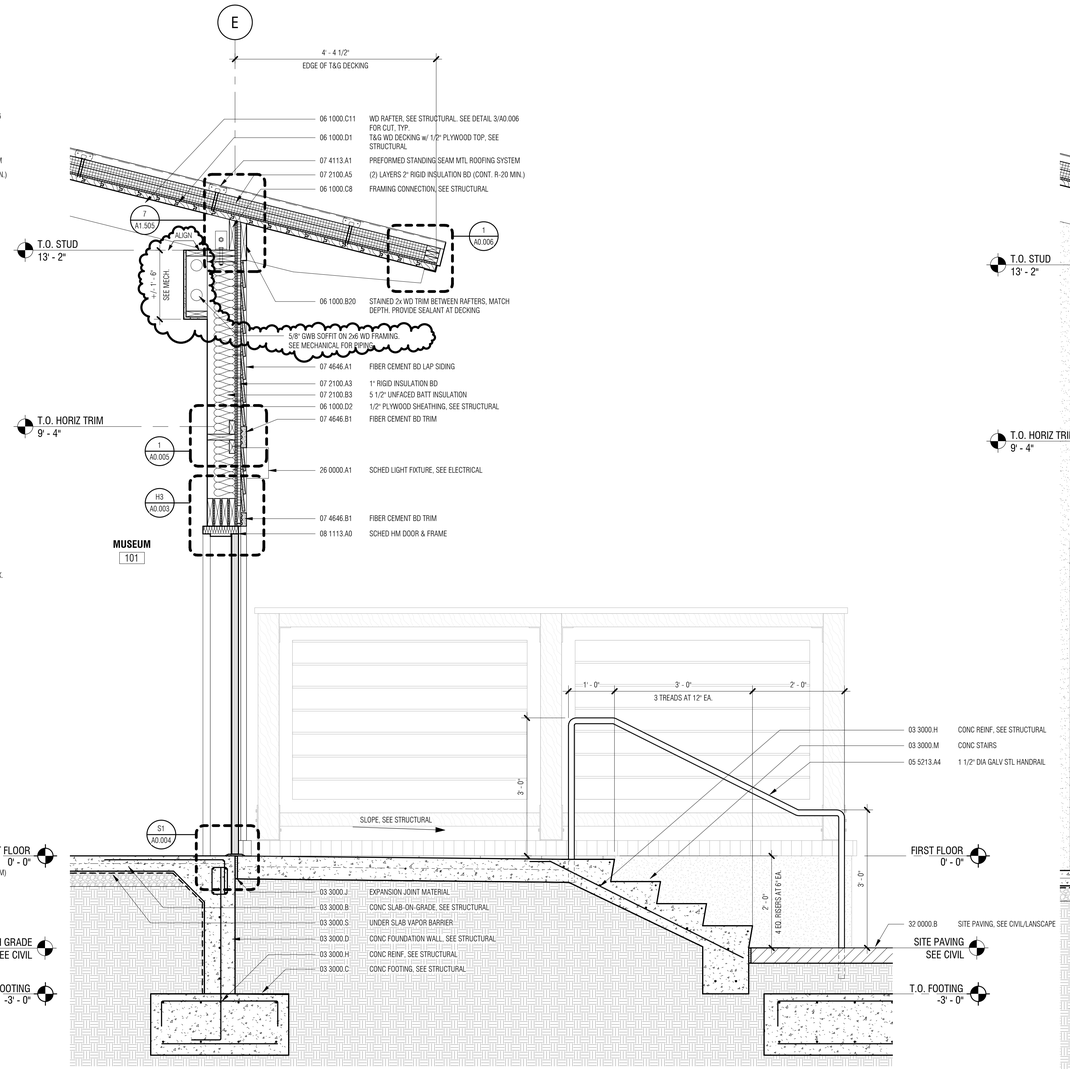
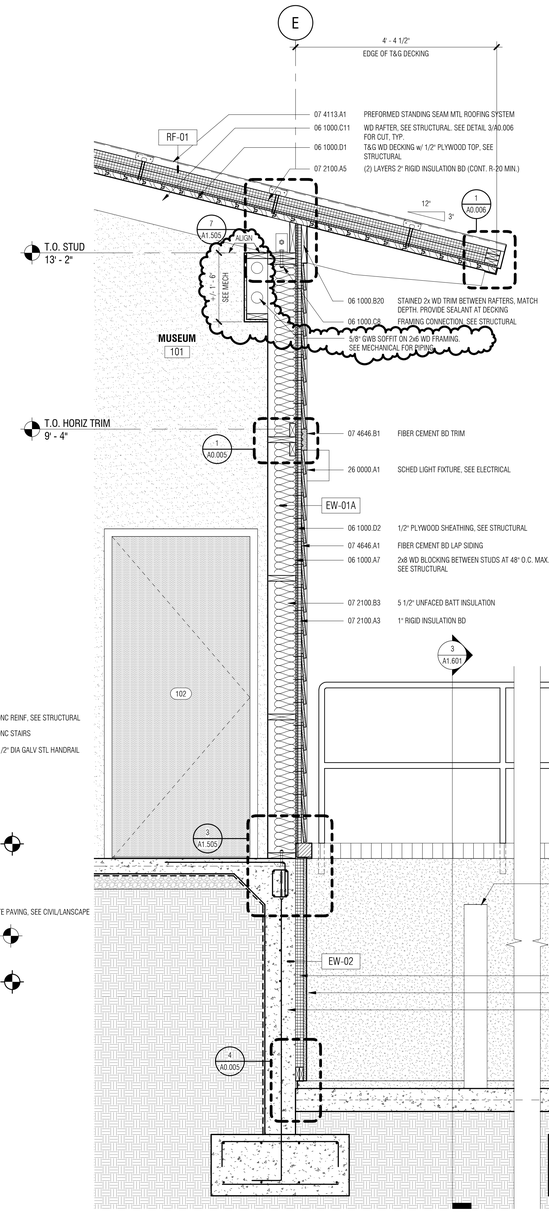


3 A1.404 WALL SECTION - NORTH
3/4" = 1'-0"



2 A1.404 WALL SECTION - NORTH STAIR
3/4" = 1'-0"



1 A1.404 WALL SECTION - NORTH DUMPSTER ENCLOSURE
3/4" = 1'-0"

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CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

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REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
WALL SECTIONS

SHEET NUMBER
A1.404

WTS
WATSON TATE SAVORY
WTS Project No: 1406

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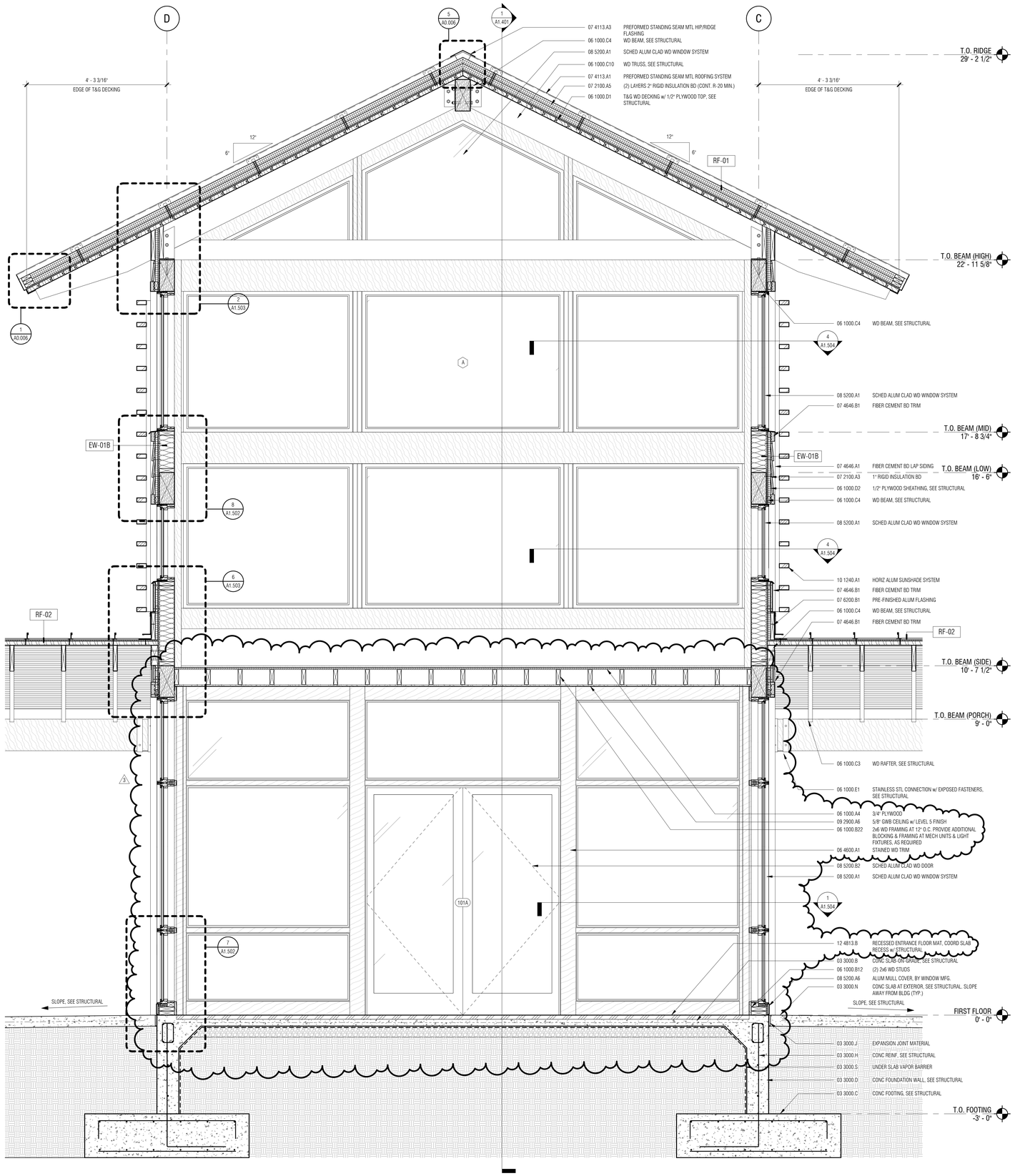
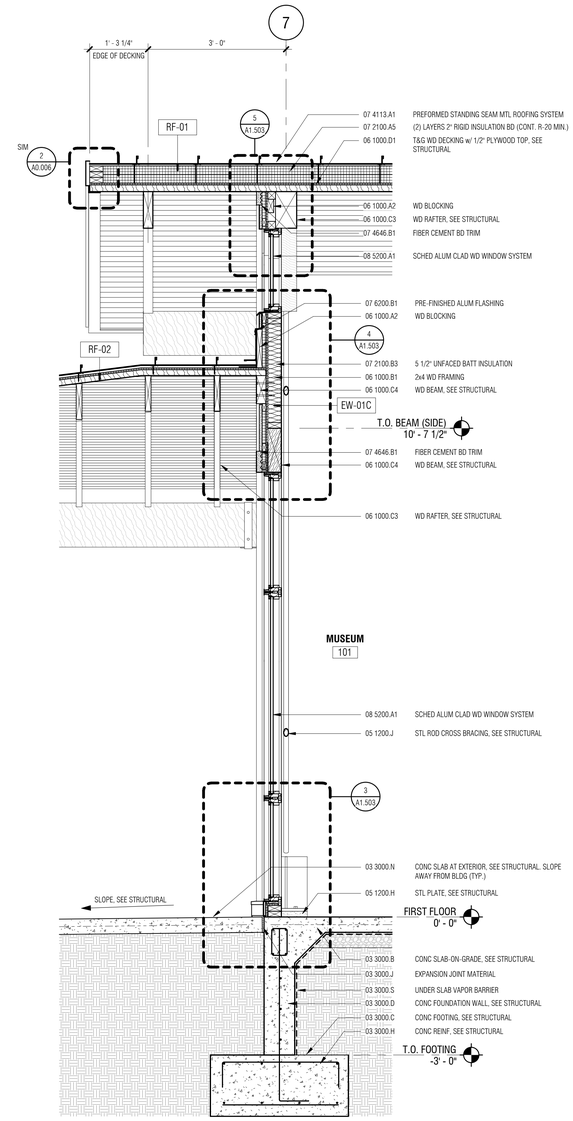


2 A1.405 WALL SECTION - EAST ENTRANCE (WEST SIM.)
3/4" = 1'-0"



1 A1.405 WALL SECTION - EAST SIDE
3/4" = 1'-0"

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CONSTRUCTION DOCUMENTS
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ARF:100837
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
WALL SECTIONS

SHEET NUMBER
A1.405

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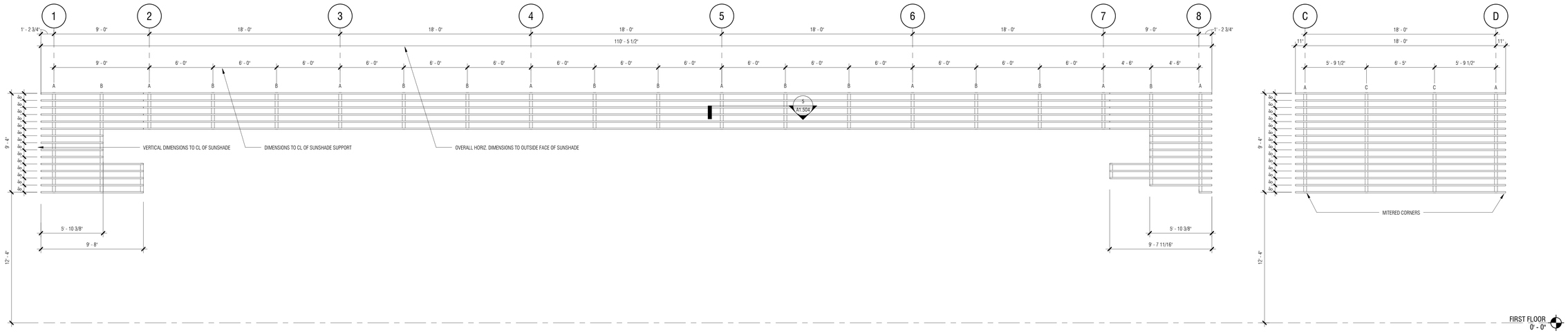
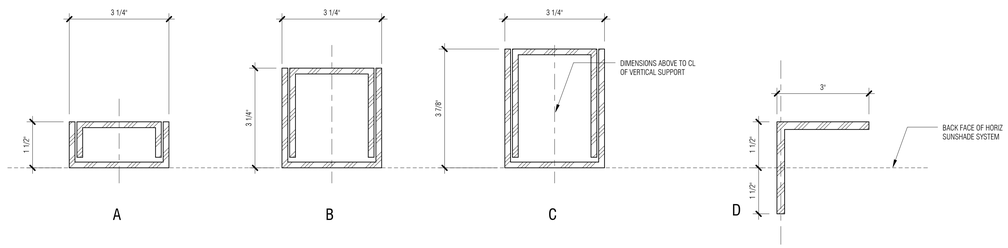
SUNSHADE SYSTEM ELEVATIONS:



SOUTH (NORTH SIM OH)

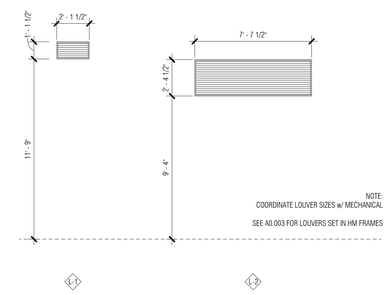
EAST (WEST SIM.)

VERTICAL SUNSHADE SUPPORT PROFILES:

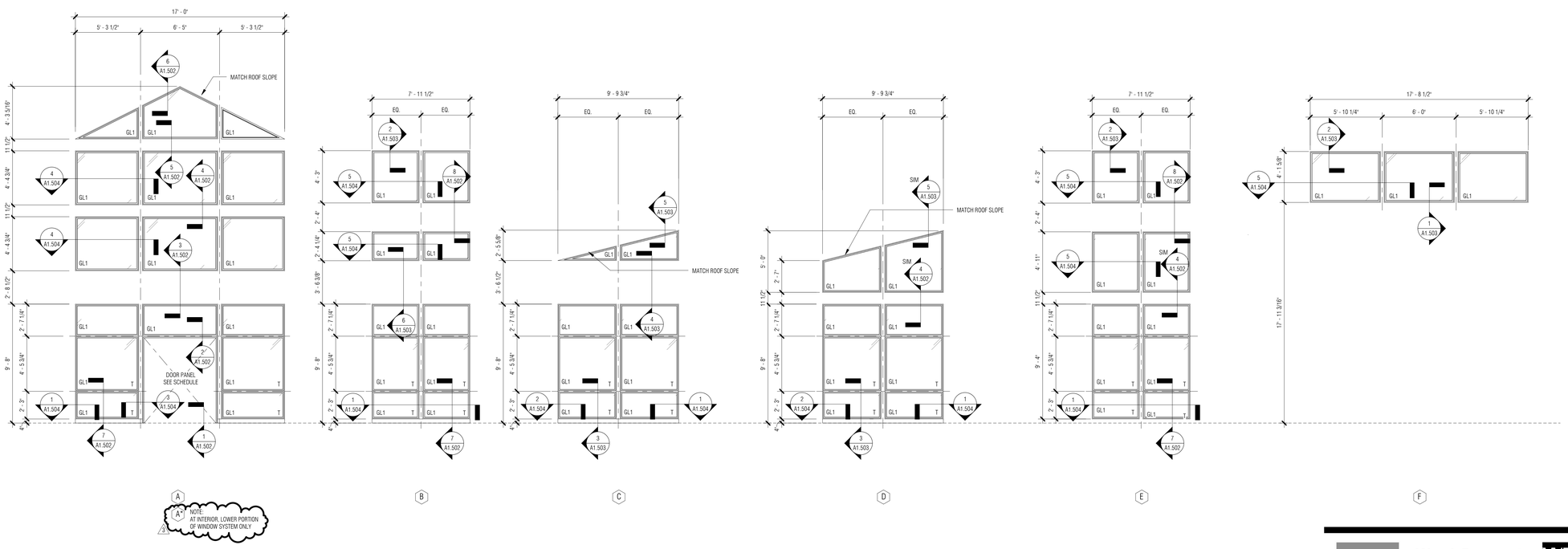


GLAZING TYPE LEGEND:

LOUVER TYPE ELEVATIONS:



WINDOW ASSEMBLY ELEVATIONS:



Town of Hilton Head Island
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Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
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COLIGNY PARK
Hilton Head Island, South Carolina

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ARF.100837
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
WINDOWS & LOUVER ELEVATIONS

WTS
WATSON TATE SAVORY
WTS Project No. 1406

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SHEET NUMBER
A1.501

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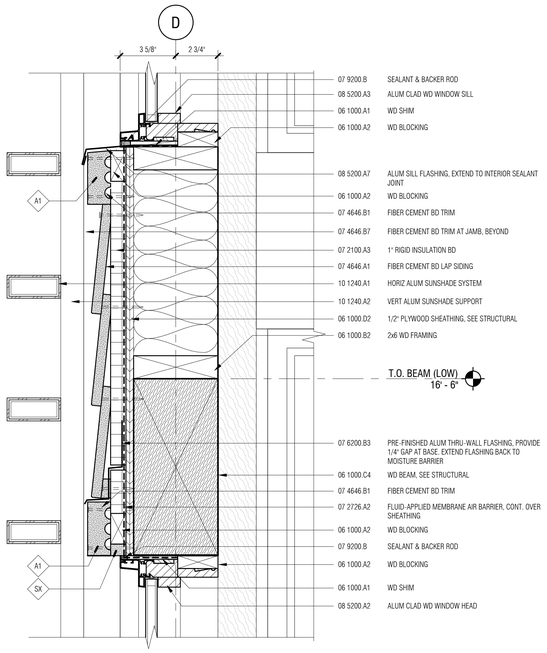
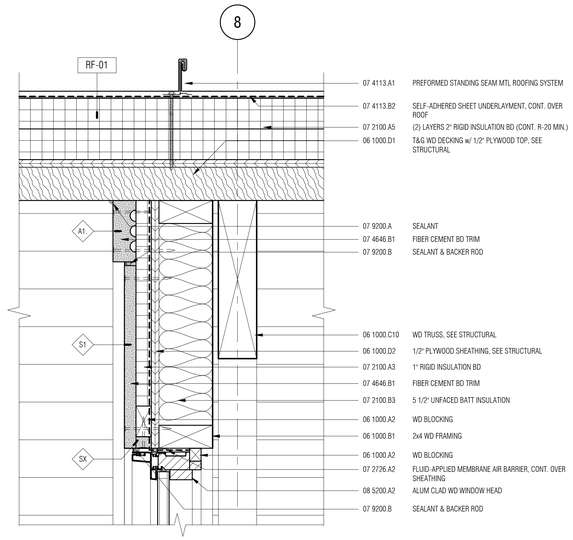
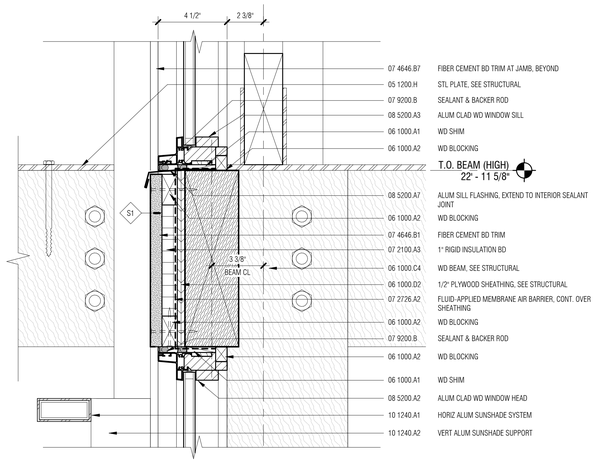


8 / A1.502 WINDOW DETAIL - ENTRANCE SIDE INTERMEDIATE
3" = 1'-0"



6 / A1.502 WINDOW DETAIL - ENTRANCE TOP
3" = 1'-0"



5 / A1.502 WINDOW DETAIL - ENTRANCE INTERMEDIATE
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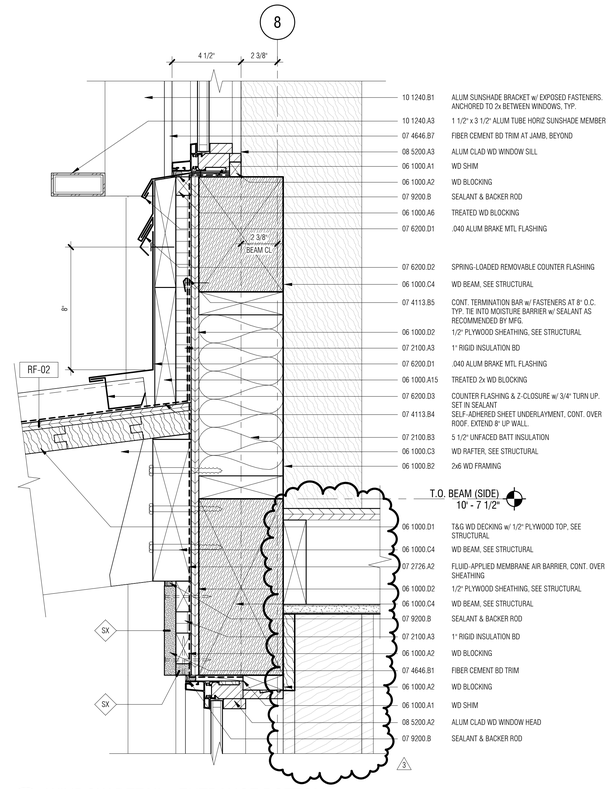
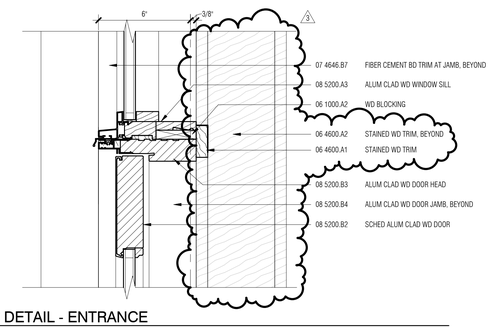
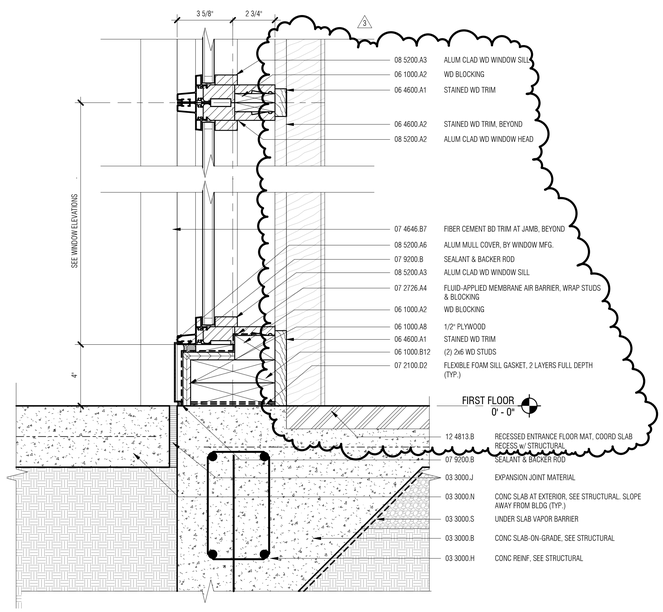


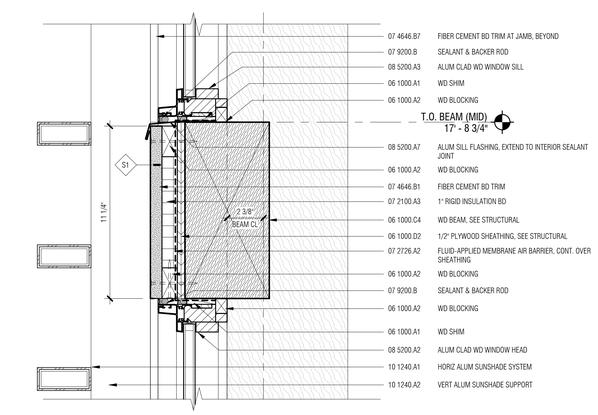
3 / A1.502 WINDOW DETAIL - ENTRANCE BOTTOM
3" = 1'-0"



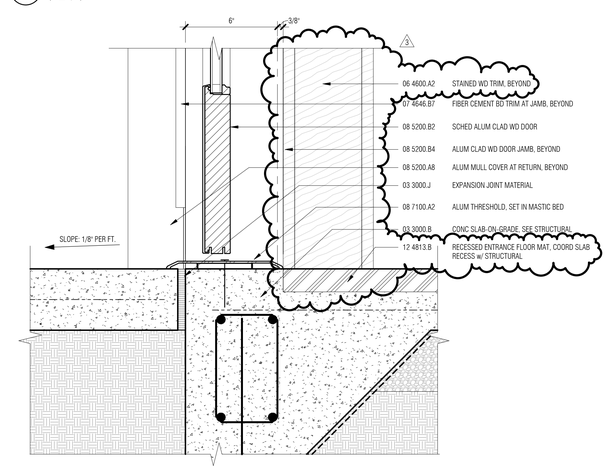
2 / A1.502 HEAD DETAIL - ENTRANCE
3" = 1'-0"



7 / A1.502 WINDOW DETAIL - ENTRANCE SIDE SILL
3" = 1'-0"



4 / A1.502 WINDOW DETAIL - ENTRANCE LOW
3" = 1'-0"



1 / A1.502 SILL DETAIL - ENTRANCE
3" = 1'-0"

Town of Hilton Head Island
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Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY:
MPN

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EMB

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COLUMBIA, SC
ARF.100837
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
WINDOW DETAILS

SHEET NUMBER
A1.502

WTS WATSON TATE SAVORY
WTS Project No. 1406

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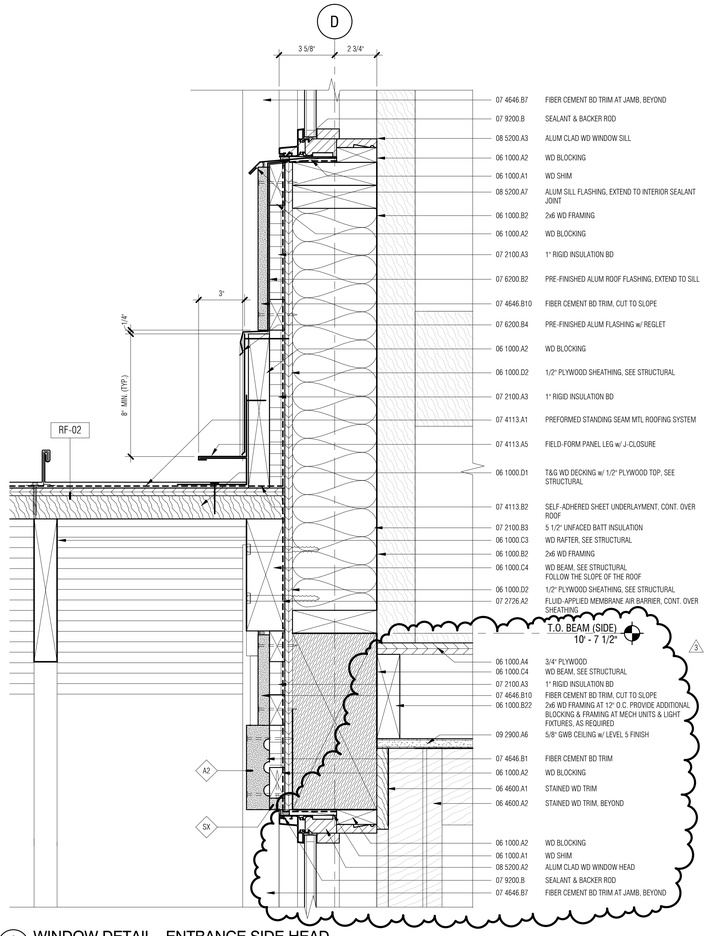
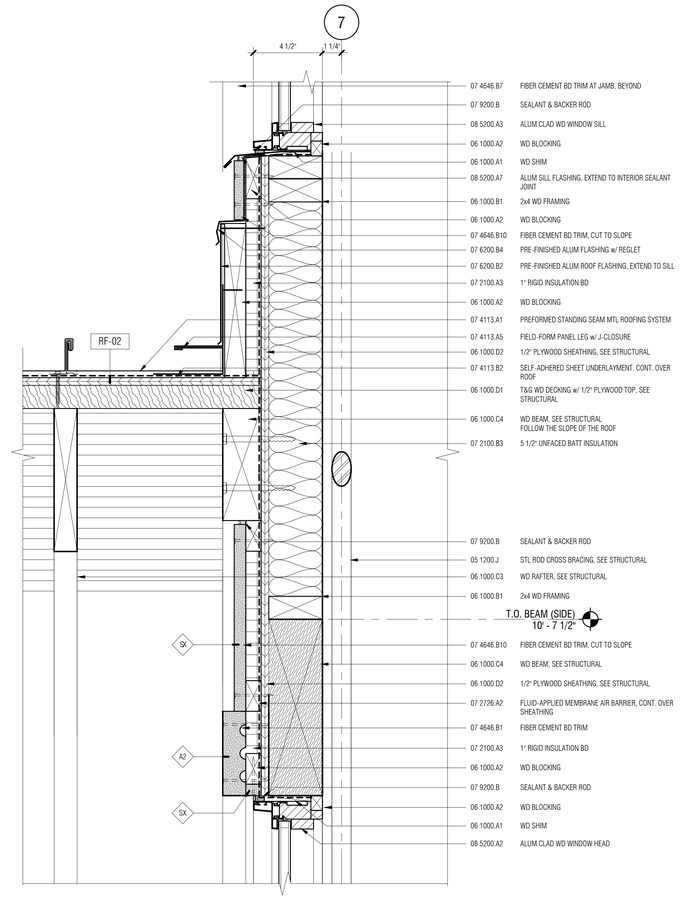
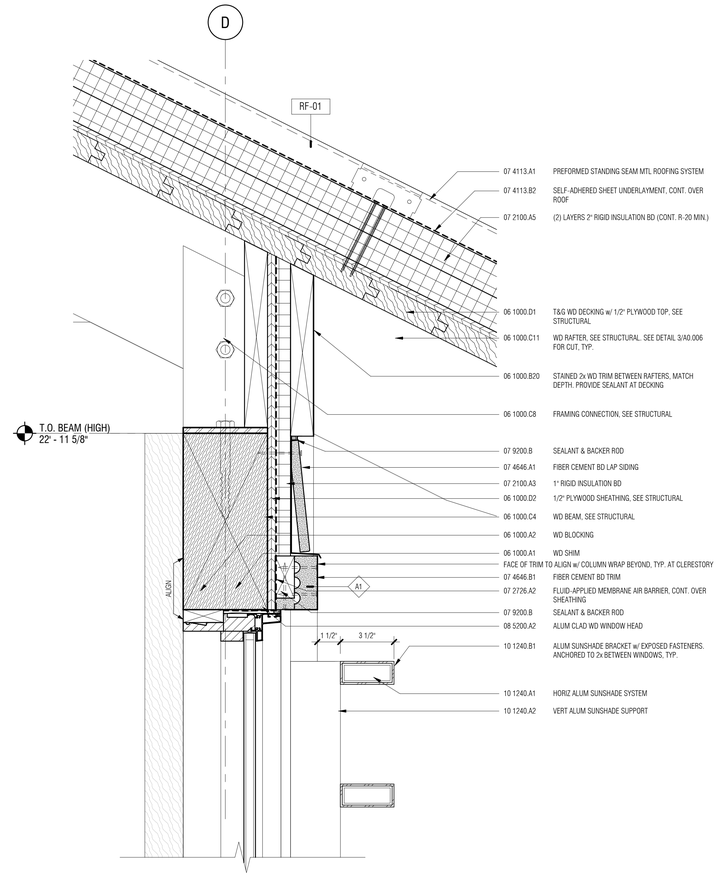


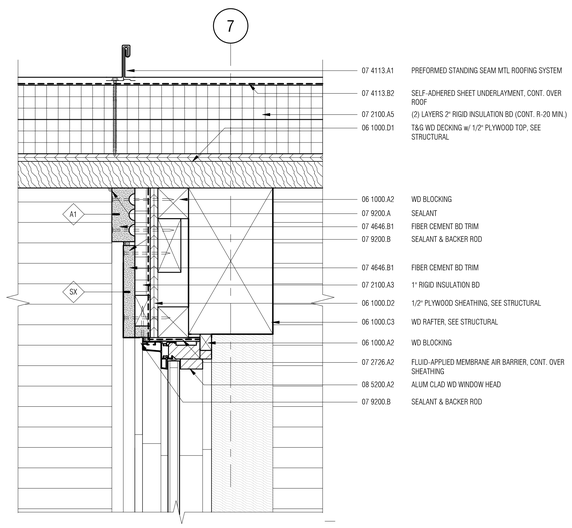
6 A1.503 WINDOW DETAIL - ENTRANCE SIDE HEAD
3" = 1'-0"



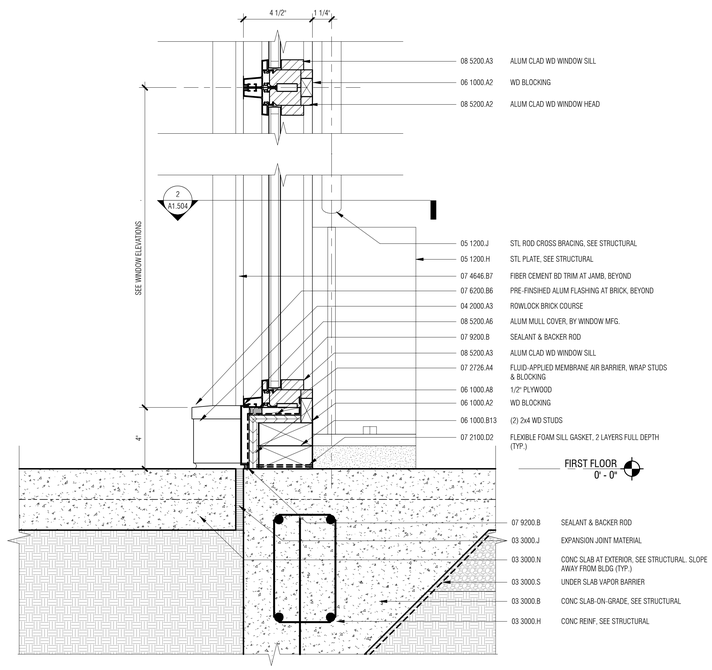
4 A1.503 HEAD DETAIL - SIDE
3" = 1'-0"



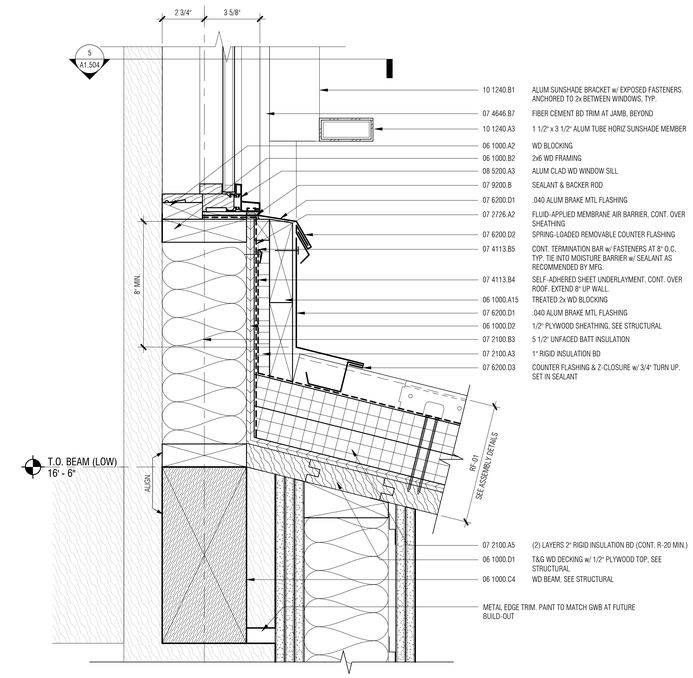
2 A1.503 HEAD DETAIL - CLERESTORY
3" = 1'-0"



5 A1.503 HEAD DETAIL - SIDE
3" = 1'-0"



3 A1.503 SILL DETAIL - SIDE
3" = 1'-0"



1 A1.503 SILL DETAIL - CLERESTORY
3" = 1'-0"

Town of Hilton Head Island
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CONSTRUCTION DOCUMENTS
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Hilton Head Island, South Carolina

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ARF: 100837
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STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

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6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
WINDOW DETAILS

WTS WATSON TATE SAVORY
WTS Project No. 1406
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SHEET NUMBER
A1.503

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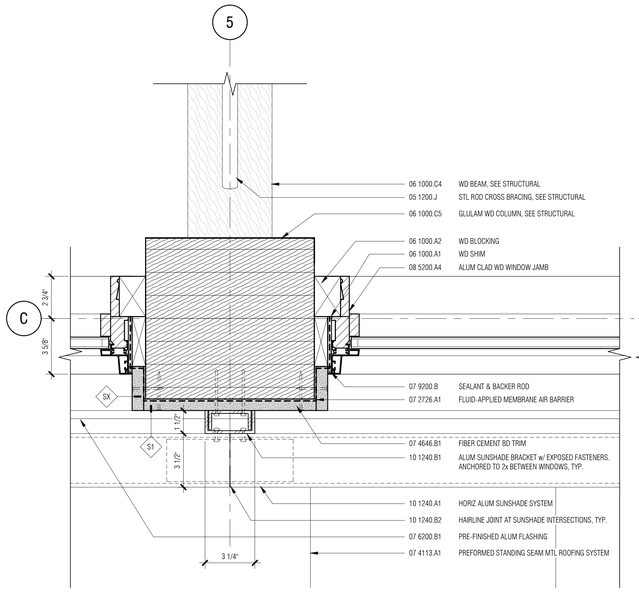
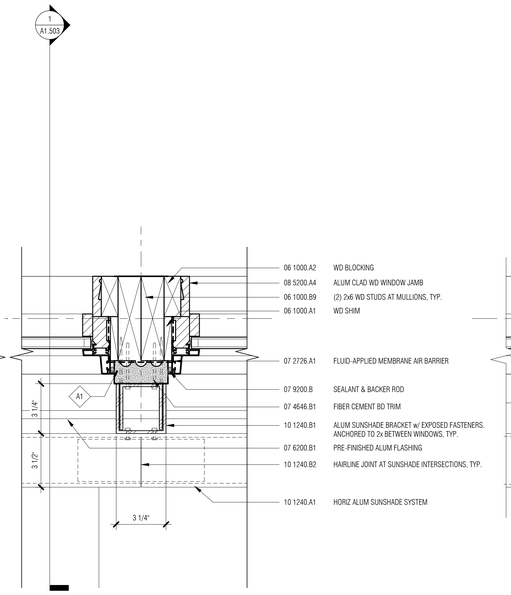
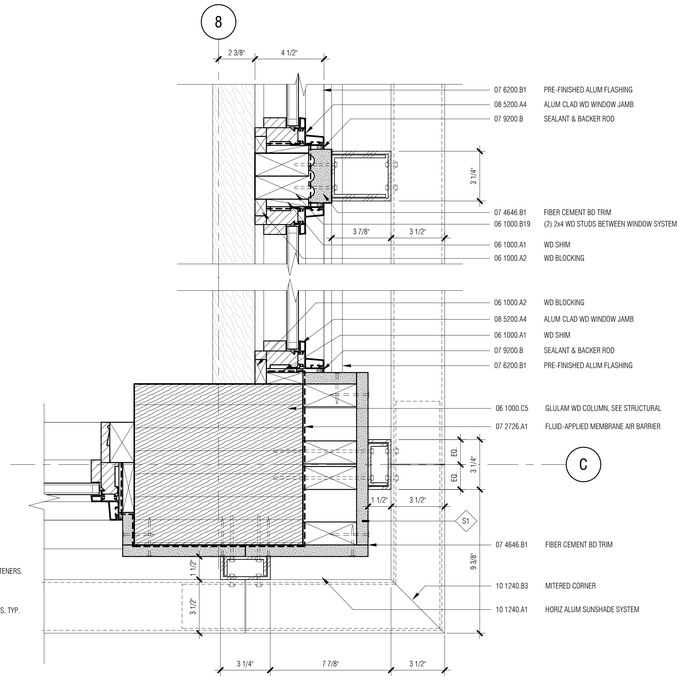
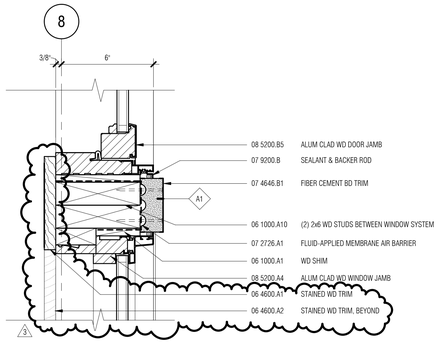


5 A1.504 TYP. PLAN DETAIL - CLERESTORY WINDOW
3" = 1'-0"

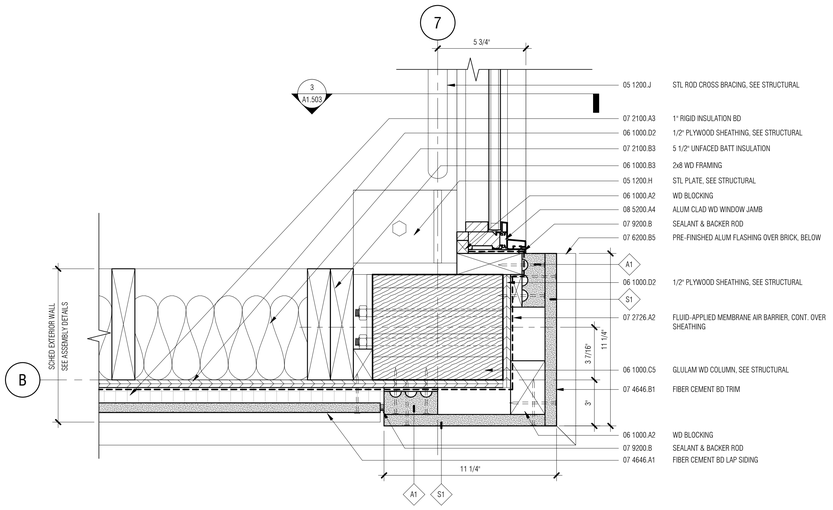




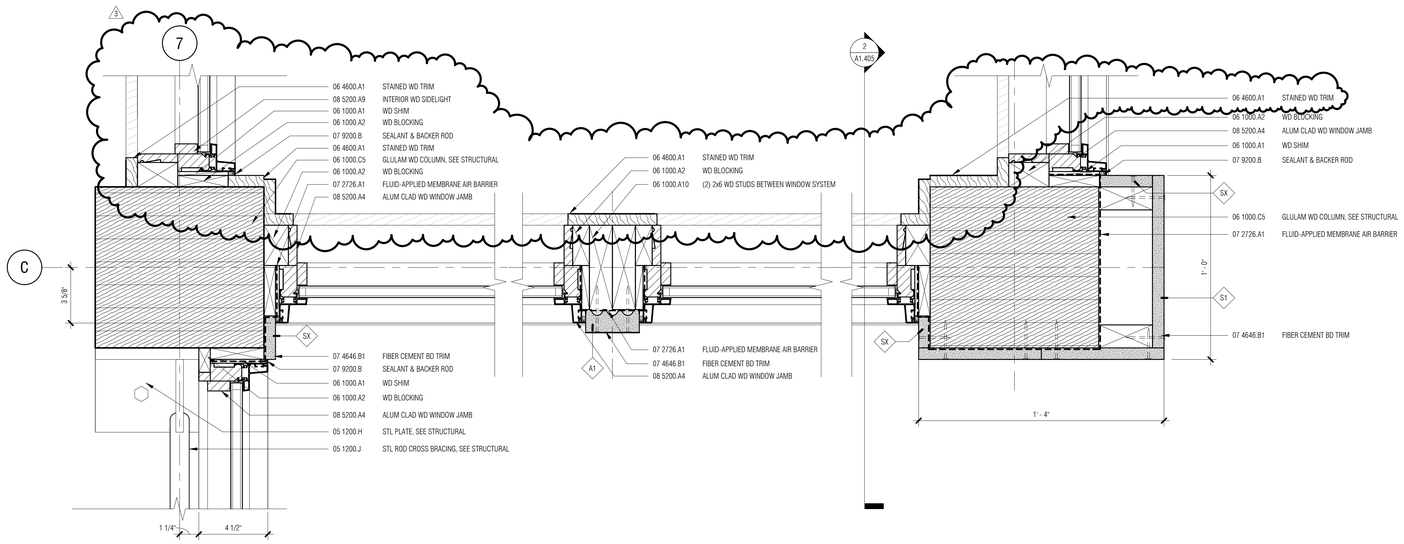
4 A1.504 PLAN DETAIL - CLERESTORY WINDOW CORNER
3" = 1'-0"



3 A1.504 JAMB DETAIL - ENTRANCE
3" = 1'-0"



2 A1.504 PLAN DETAIL - CORNER
3" = 1'-0"



1 A1.504 PLAN DETAIL - WINDOW
3" = 1'-0"

Town of Hilton Head Island
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CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

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CHECKED BY: EMB

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STATE OF SOUTH CAROLINA
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WTS Project No. 1406
Wood+Partners Inc. WPi
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Land Planners
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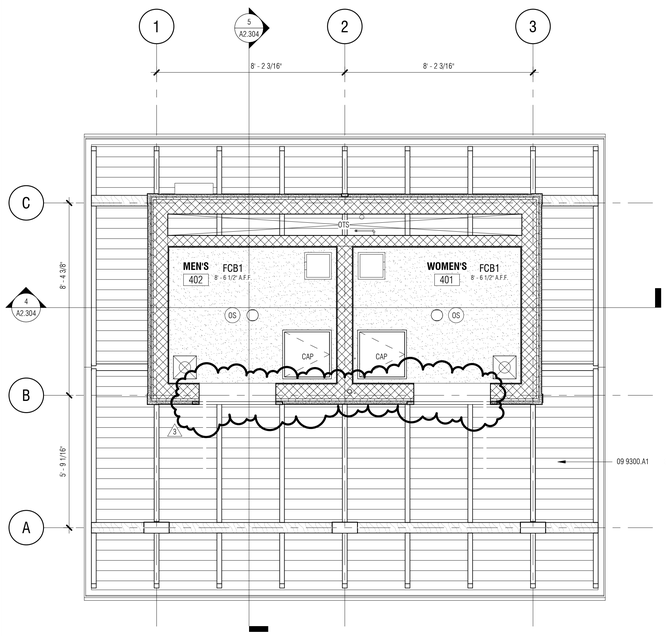
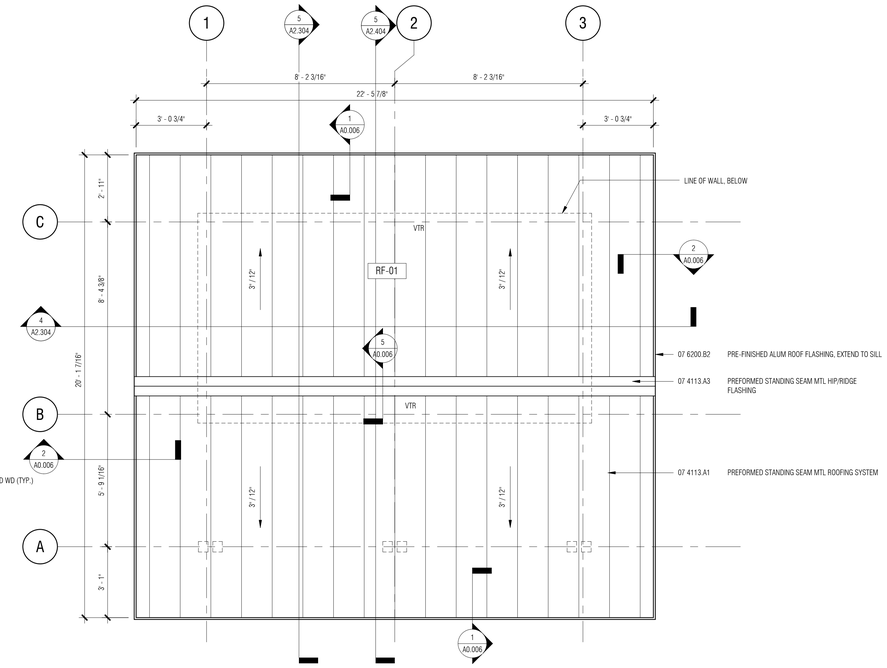
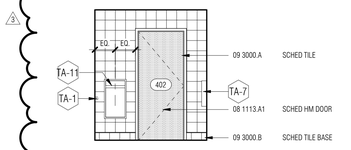


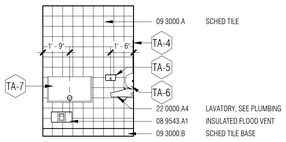
PLAN 4 A2.103 REFLECTED CEILING PLAN - POOL RESTROOM
3/8" = 1'-0"



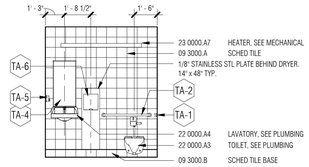
PLAN 3 A2.103 ROOF PLAN - POOL RESTROOM
3/8" = 1'-0"



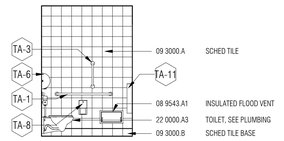
12 A2.103 SOUTH ELEVATION - MEN'S 402
1/4" = 1'-0"



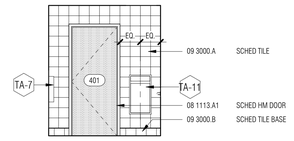
11 A2.103 WEST ELEVATION - MEN'S 402
1/4" = 1'-0"



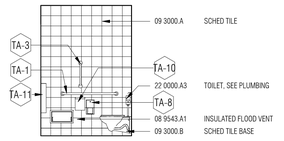
10 A2.103 NORTH ELEVATION - MEN'S 402
1/4" = 1'-0"



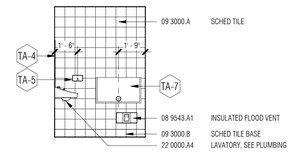
9 A2.103 EAST ELEVATION - MEN'S 402
1/4" = 1'-0"



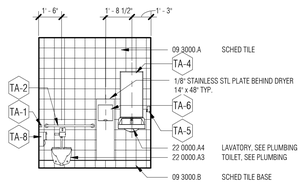
8 A2.103 SOUTH ELEVATION - WOMEN'S 401
1/4" = 1'-0"



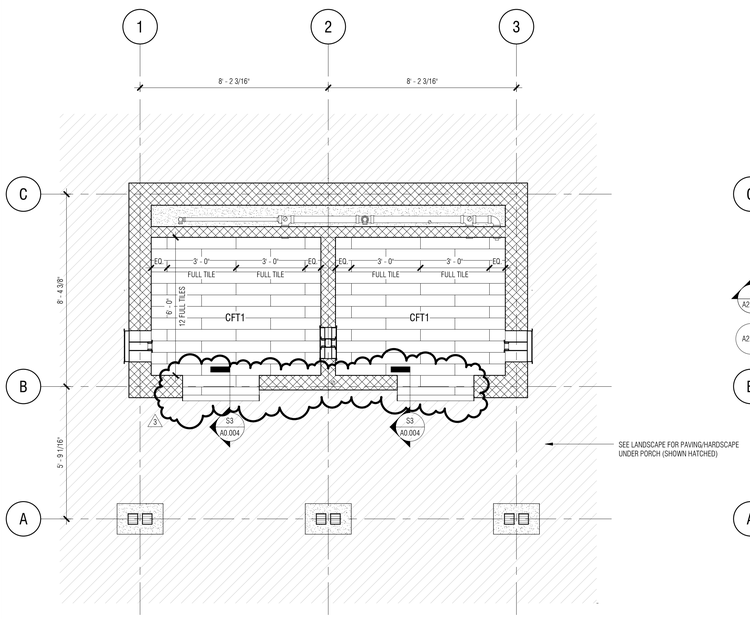
7 A2.103 WEST ELEVATION - WOMEN'S 401
1/4" = 1'-0"



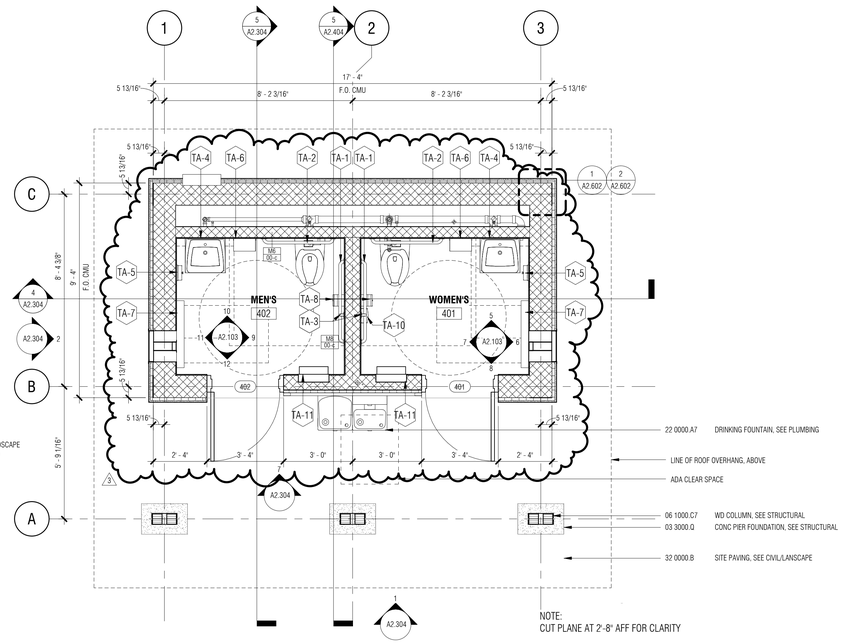
6 A2.103 EAST ELEVATION - W0MEN'S 401
1/4" = 1'-0"



5 A2.103 NORTH ELEVATION - WOMEN'S 401
1/4" = 1'-0"



PLAN 2 A2.103 SLAB EDGE PLAN - POOL RESTROOM
3/8" = 1'-0"



NOTE:
CUT PLANE AT 2'-8" AFF FOR CLARITY

PLAN 1 A2.103 FLOOR PLAN - POOL RESTROOM
3/8" = 1'-0"

TOILET ACCESSORIES

NO.	ITEM	MOUNTING HEIGHT	MFG.	MODEL NO.
TA-1	42" STAINLESS STEEL GRAB BAR w/ SATIN FINISH (HORIZONTALLY MOUNTED)	34" TO T.O. BAR	BOBRICK	B-5806 x 42
TA-2	36" STAINLESS STEEL GRAB BAR w/ SATIN FINISH (HORIZONTALLY MOUNTED)	34" TO T.O. BAR	BOBRICK	B-5806 x 36
TA-3	18" STAINLESS STEEL GRAB BAR w/ SATIN FINISH (VERTICALLY MOUNTED)	40" TO CL OF BOTTOM BAR	BOBRICK	B-5806 x 18
TA-4	BOBRICK B-165 1836 CHANNEL FRAME MIRROR	40" TO B.O. REFLECTIVE SURFACE	BOBRICK	B-165 1836
TA-5	SOAP DISPENSER w/ STAINLESS STL FINISH (SURFACE-MOUNTED)	3 44" TO DISPENSER	BOBRICK	B-2112
TA-6	XLERATOR HAND DRYER (SURFACE-MOUNTED)	37" TO B.O. DRYER	EXCEL DRYER	XL-SB
TA-7	BABY CHANGING STATION w/ STAINLESS STL FINISH (SURFACE MOUNTED)	34" TO WORK SURFACE	BOBRICK	KB110-SSWM
TA-8	TOILET TISSUE DISPENSER w/ STAINLESS STL FINISH (SURFACE-MOUNTED)	18" TO B.O. DISPENSER	BOBRICK	B-2888
TA-10	SINGLE SANITARY NAPKIN DISPOSAL	30" AFF	BOBRICK	B-4353
TA-11	RECESSED WASTE RECEPTACLE WITH LINER HOLDER	41" TO TOP OF RECEPTACLE	BOBRICK	B-43644

SYMBOL LEGEND:

MATERIALS
- FCB1 — FIBER CEMENT BOARD ON 2x4 WD STUDS AT 12" O.C.
- OTS — OPEN TO STRUCTURE

ANNOTATION
- GWB1 — CEILING TYPE
- 9'-0" A.F.F. — FINISHED CEILING ELEVATION

LIGHT FIXTURES
- RECESSED DOWNLIGHT

MECHANICAL
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST DIFFUSER
- UNIT HEATER
- EXHAUST FAN

POWER & TELEDATA
- OCC — OCCUPANCY SENSOR

LIFE SAFETY
- EXIT SIGN, ARROW INDICATED PATH OF TRAVEL
- F — FIRE ALARM DEVICE

MISC. FIXTURES
- CAP - 24" X 24" CEILING ACCESS PANEL BY NYSTROM OR APPROVED EQUAL, MODEL NO. NT. CONCEALED PIANO HINGE, WITH KEY OPERATED CYLINDER PROVIDED IN HARDWARE SPEC., LOCATE ACCESS PANEL AS REQUIRED FOR MAINTENANCE TO THE MECHANICAL UNITS, LOCATE BETWEEN TRUSSES AND PROVIDE ADDITIONAL BLOCKING AS NECESSARY

WTS WATSON TATE SAVORY
WTS Project No. 1406

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843.681.6618 ■ Fax 843.681.7086 ■ www.woodandpartners.com

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MPN
CHECKED BY: EMB

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PROFESSIONAL STAMPS:
STATE OF SOUTH CAROLINA — WATSON TATE SAVORY, INC. — COLUMBIA, SC — ARF.100837 — REGISTERED ARCHITECT
STATE OF SOUTH CAROLINA — EUGENE M. BELL — COLUMBIA, SC — 7224 — REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
POOL RESTROOM PLANS

SHEET NUMBER
A2.103

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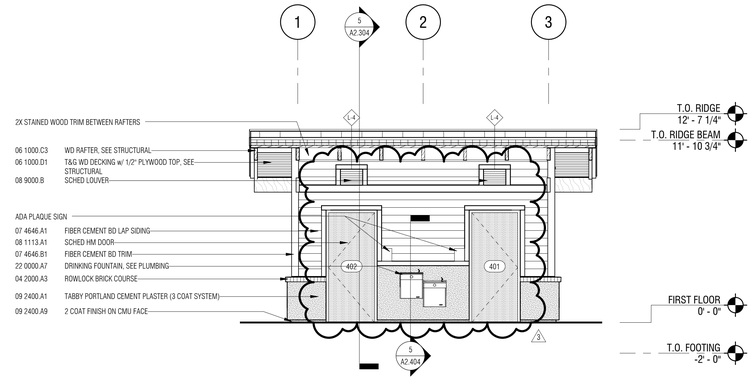
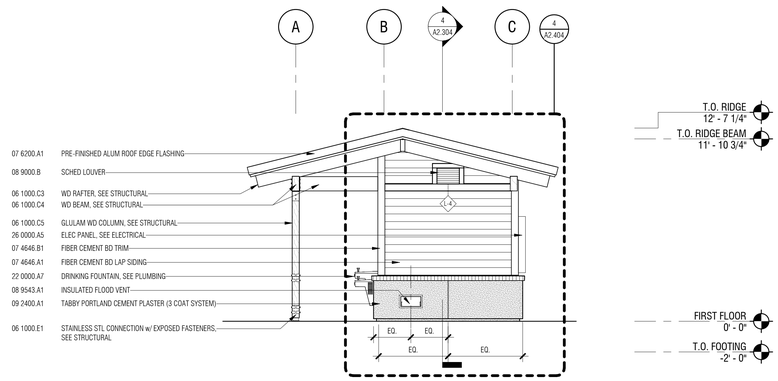
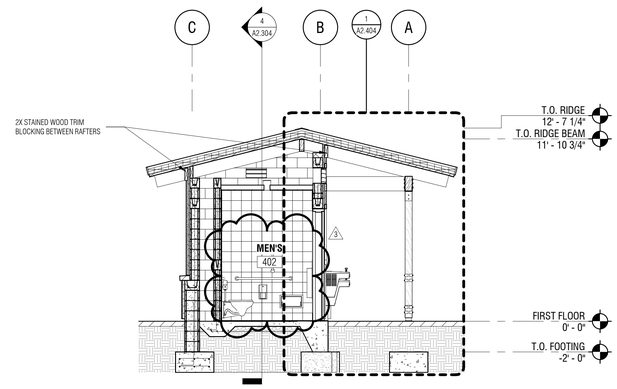


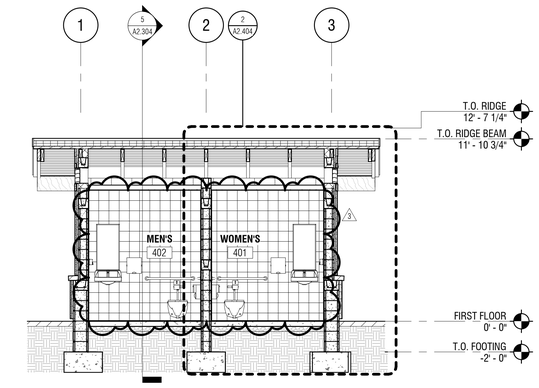
7 A2.304 BUILDING ELEVATION
1/4" = 1'-0"



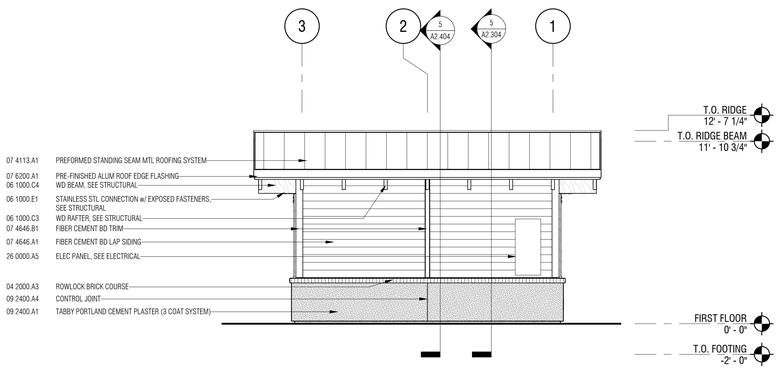
6 A2.304 EAST ELEVATION - POOL RESTROOM
1/4" = 1'-0"



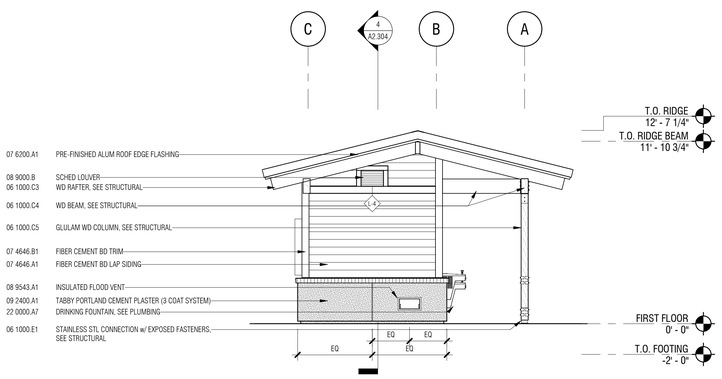
5 A2.304 BUILDING SECTION
1/4" = 1'-0"



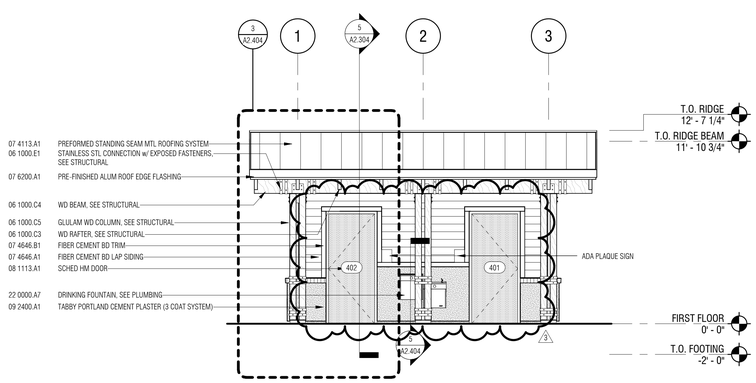
4 A2.304 BUILDING SECTION
1/4" = 1'-0"



3 A2.304 NORTH ELEVATION - POOL RESTROOM
1/4" = 1'-0"



2 A2.304 WEST ELEVATION - POOL RESTROOM
1/4" = 1'-0"



1 A2.304 SOUTH ELEVATION - POOL RESTROOM
1/4" = 1'-0"

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MPN
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PROFESSIONAL STAMPS:

STATE OF SOUTH CAROLINA
WATSON TATE SAVORY, INC.
COLUMBIA, SC
ARF.100837
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
POOL RESTROOM ELEVATIONS & SECTIONS

SHEET NUMBER
A2.304

WTS WATSON TATE SAVORY
WTS Project No: 1406
Wood+Partners Inc. WPi
Landscape Architects Land Planners
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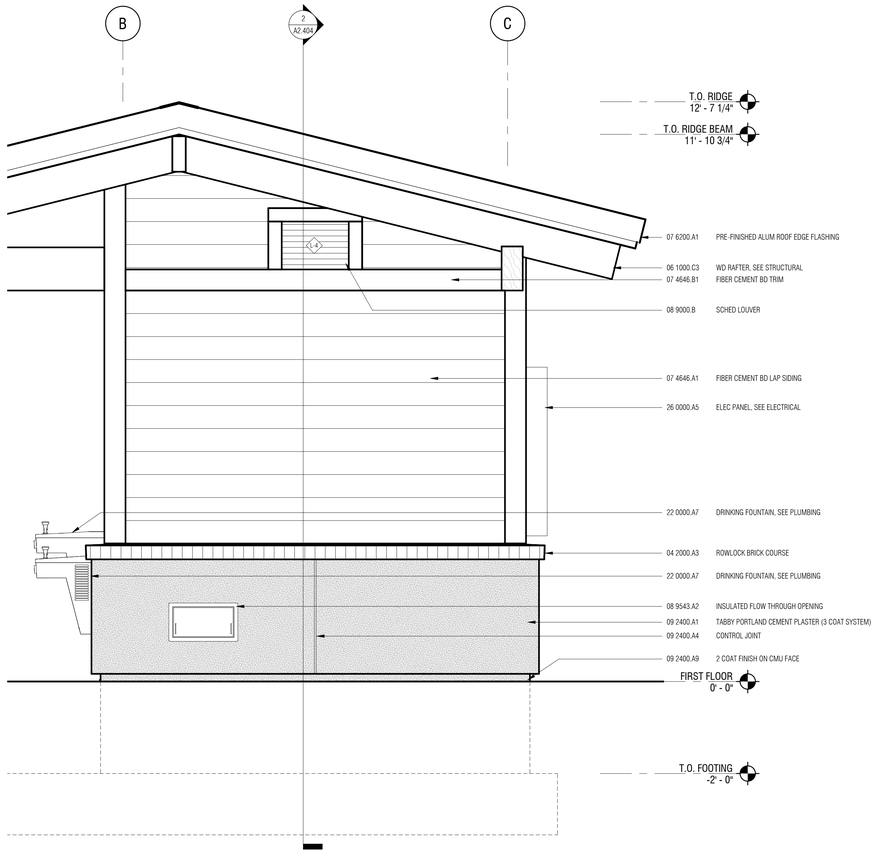
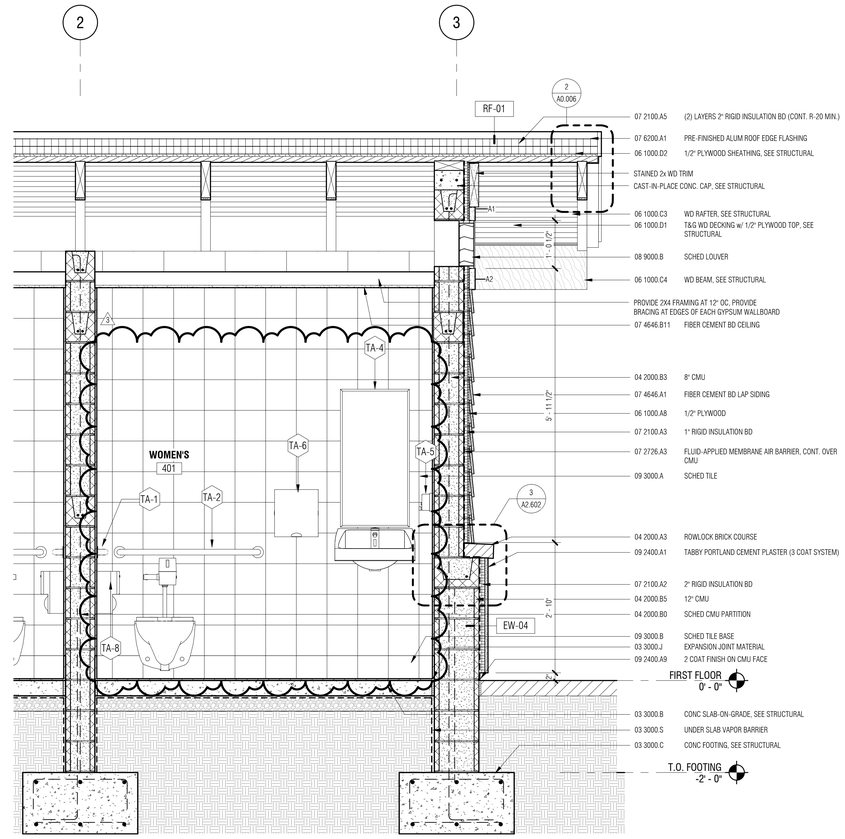
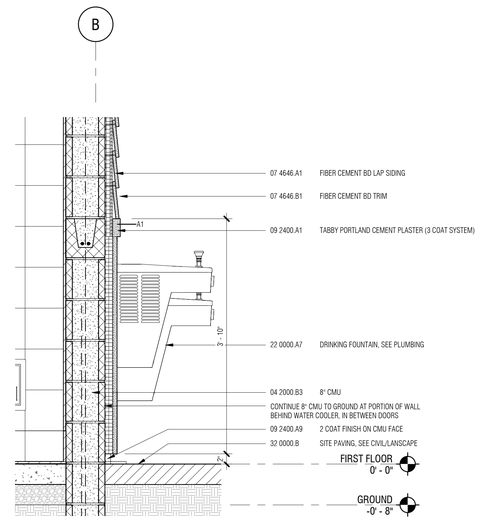


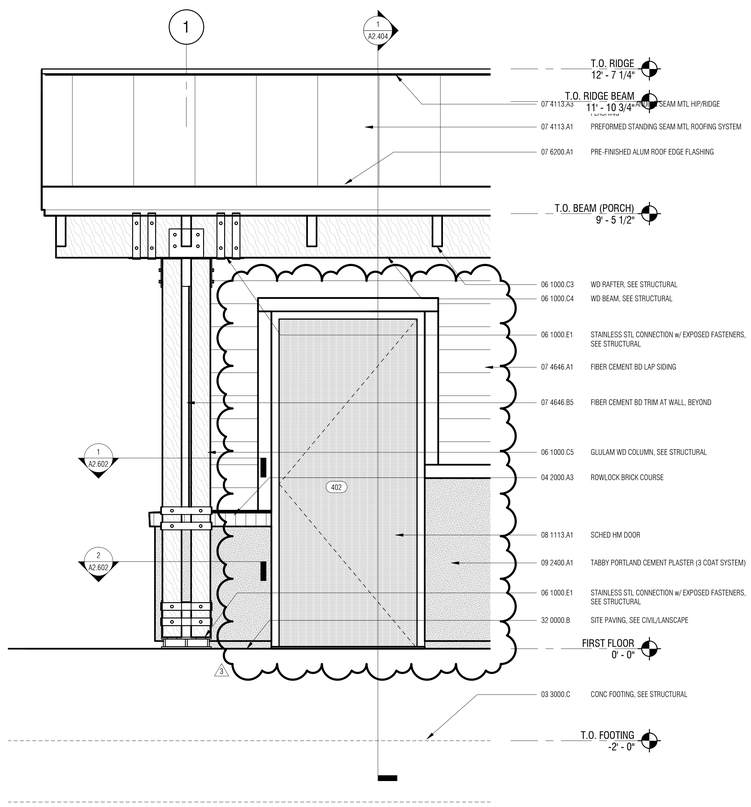
4 A2.404 ENLARGED ELEVATION - EAST
3/4" = 1'-0"



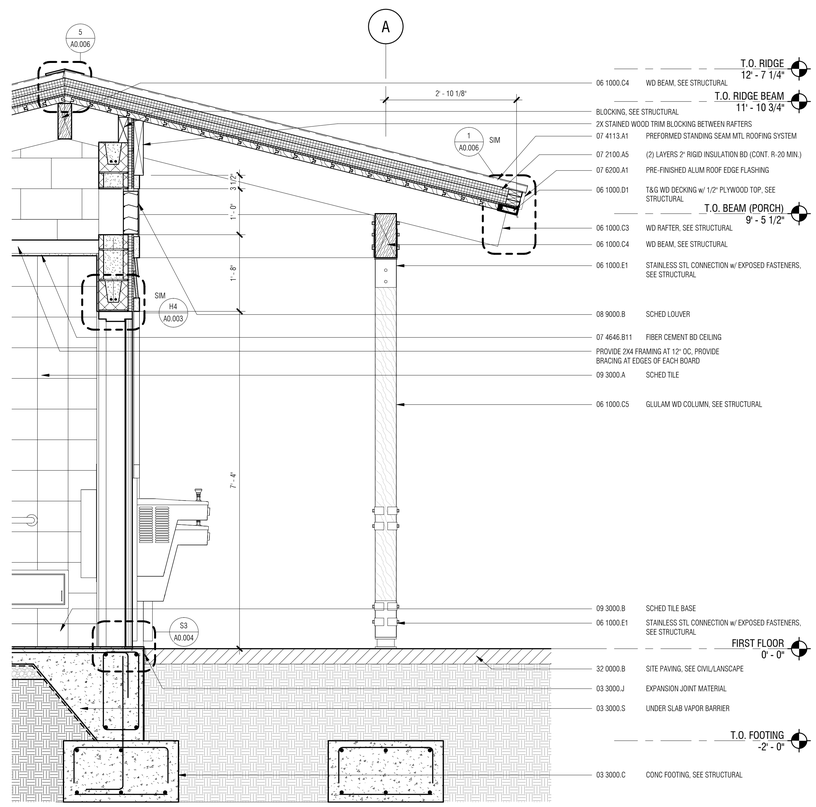
2 A2.404 WALL SECTION
3/4" = 1'-0"



5 A2.404 BUILDING SECTION
1" = 1'-0"



3 A2.404 ENLARGED ELEVATION - SOUTH
3/4" = 1'-0"



1 A2.404 WALL SECTION
3/4" = 1'-0"

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

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WATSON TATE SAVORY, INC.
COLUMBIA, SC
ARF.100837
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
EUGENE M. BELL
COLUMBIA, SC
7224
REGISTERED ARCHITECT

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
POOL RESTROOM WALL SECTIONS

WTS WATSON TATE SAVORY
WTS Project No. 1406
Wood+Partners Inc. WPi
Landscape Architects Land Planners
PO Box 23945 ■ Hilton Head Island, SC 29925
843.681.6518 ■ Fax 843.681.7056 ■ www.woodandpartners.com

SHEET NUMBER
A2.404

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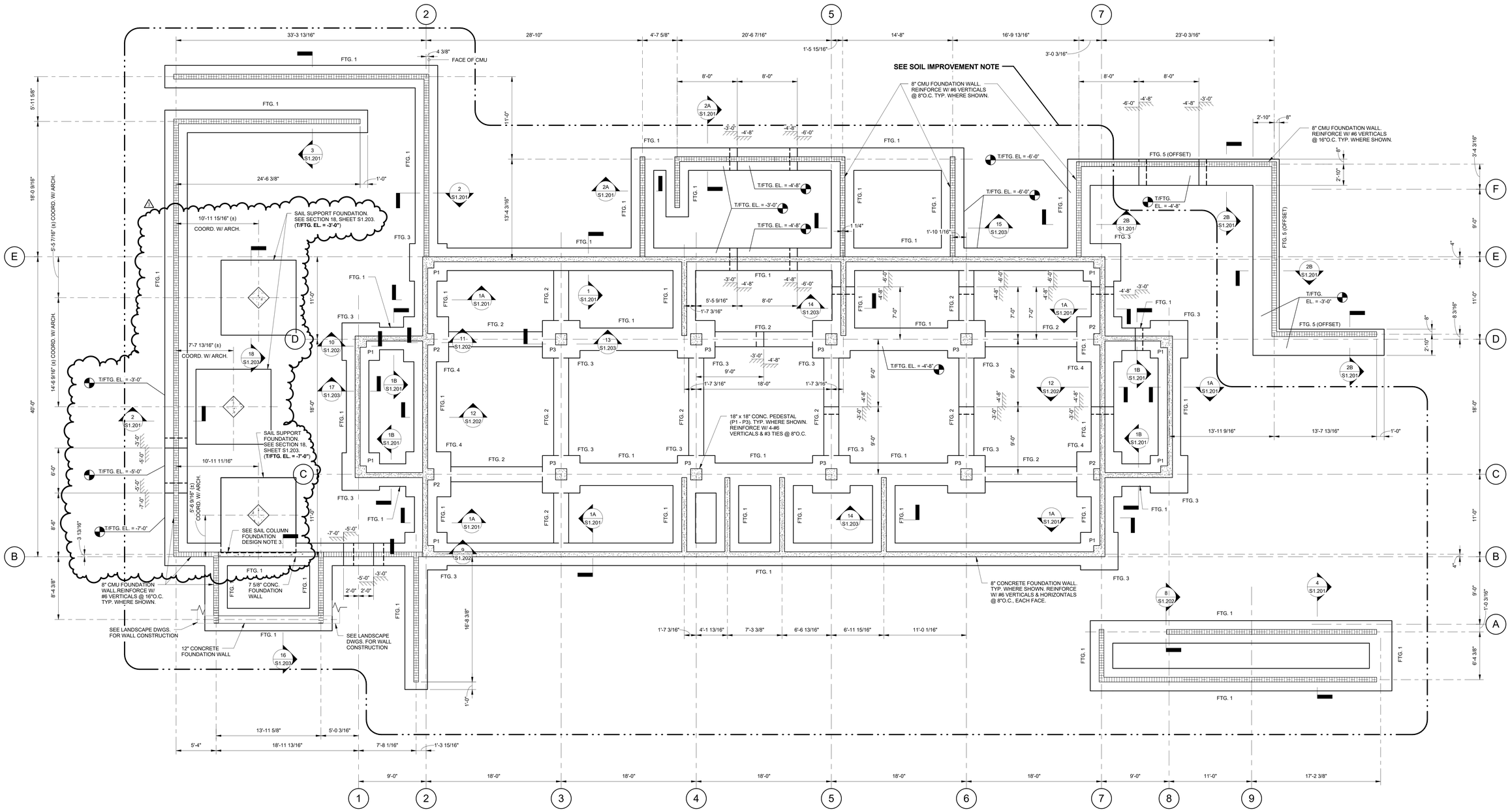

SAIL COLUMN FOUNDATION DESIGN NOTES:

1. DESIGN OF FOUNDATION FOR SAIL SUPPORT COLUMNS BASED ON ASSUMED FOUNDATION LOADING. THESE ARE TO BE VERIFIED ONCE SAIL DESIGN IS SUBMITTED AND REVIEWED DURING THE SUBMITTAL PROCESS
2. ASSUMED COLUMN LOADS (ASD):
   MAXIMUM TENSION = 20 kips
   MAXIMUM COMPRESSION = 30 kips
   MAXIMUM SHEAR = 4 kips
   MAXIMUM BASE MOMENT = 140 ft-kips
3. WHERE SAIL FOUNDATION INTERSECTS WITH FOOTING AT LINE 'B', PROVIDE FULL REINFORCING FOR BOTH FOOTINGS.

MUSEUM - FOUNDATION PLAN

3/16" = 1'-0"

FOUNDATION NOTES:
1. T/FOOTING EL. = -3'-0", TYP. UNLESS NOTED OTHERWISE.
2. T/CONCRETE PEDESTALS & CONCRETE FND. WALLS EL. = -1'-0".

SOIL IMPROVEMENT NOTES:

1. ALL WORK UNDER SOIL IMPROVEMENT CONTRACT TO COMPLY WITH SPECIFICATION SECTION 316000.
2. LINE TYPE (—— · · ——) INDICATES THE APPROXIMATE EXTENTS OF THE REQUIRED AREA OF SOIL IMPROVEMENT. EXACT EXTENTS OF THE SOIL IMPROVEMENT OUTSIDE OF THE BUILDING FOOTPRINT SHALL BE DETERMINED BY THE SPECIALTY SOIL IMPROVEMENT CONTRACTOR, BUT SHALL BE SUFFICIENT TO ENSURE THAT SOIL BENEATH FOUNDATIONS AND SLABS HAS BEEN IMPROVED TO MEET THE DESIGN REQUIREMENTS LISTED IN THE SPECIFICATIONS.

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MORRISON
CHECKED BY: USSERY

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PROFESSIONAL STAMPS:

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 7978 DEAN WILLIAM USSERY 6-27-2016

SOUTH CAROLINA 4SE, INC. No. C02576 CERTIFICATE OF AUTHORIZATION

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
FOUNDATION PLAN

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8 RADCLIFFE STREET
SUITE 200
CHARLESTON, SC 29403
PH: 843.722.1382
FX: 843.722.1417
www.4seinc.com

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Land Planners
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SHEET NUMBER
S1.100

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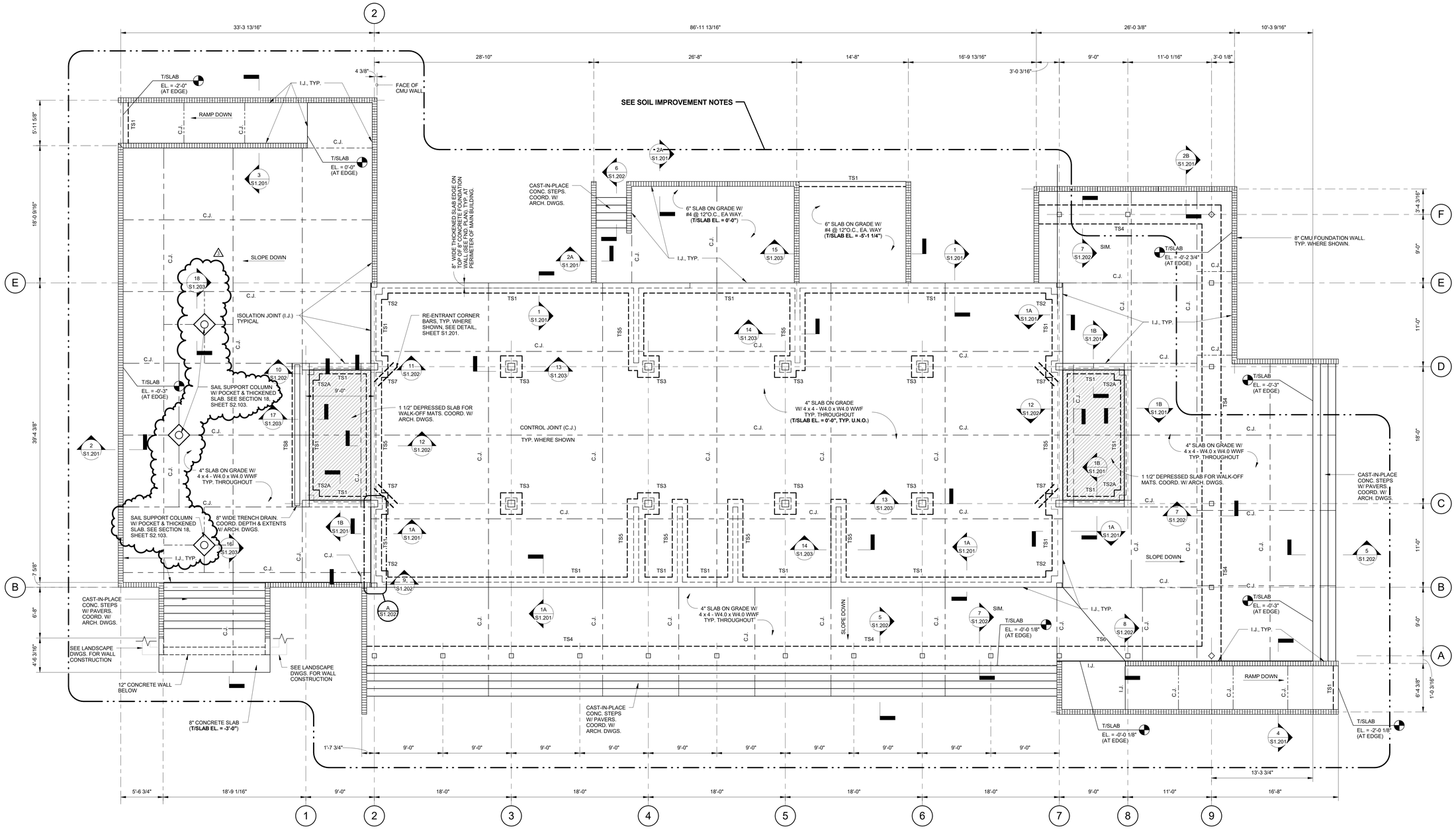

MUSEUM - FIRST FLOOR SLAB PLAN

3/16" = 1'-0"

FIRST FLOOR SLAB NOTES:

1. T/FIRST FLOOR SLAB EL. = 0'-0", TYP. AT INTERIOR, U.N.O.
2. SEE PLAN & ARCH. DWGS. FOR EXTERIOR SLAB SLOPES.

SOIL IMPROVEMENT NOTES:

1. **ALL WORK UNDER SOIL IMPROVEMENT CONTRACT TO COMPLY WITH SPECIFICATION SECTION 316000.**
2. **LINE TYPE (—— - - ——) INDICATES THE APPROXIMATE EXTENTS OF THE REQUIRED AREA OF SOIL IMPROVEMENT. EXACT EXTENTS OF THE SOIL IMPROVEMENT OUTSIDE OF THE BUILDING FOOTPRINT SHALL BE DETERMINED BY THE SPECIALTY SOIL IMPROVEMENT CONTRACTOR, BUT SHALL BE SUFFICIENT TO ENSURE THAT SOIL BENEATH FOUNDATIONS AND SLABS HAS BEEN IMPROVED TO MEET THE DESIGN REQUIREMENTS LISTED IN THE SPECIFICATIONS.**

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MORRISON
CHECKED BY: USSERY

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SOUTH CAROLINA PROFESSIONAL ENGINEER No. 7978 DEAN WILLIAM USSERY 6-27-2016

SOUTH CAROLINA 4SE, INC. No. C02576 CERTIFICATE OF AUTHORIZATION

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
FIRST FLOOR SLAB PLAN

4SE
7 RADCLIFFE STREET
SUITE 200
CHARLESTON, SC 29403
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FAX 843.722.1911
www.4seinc.com

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SHEET NUMBER
S1.101

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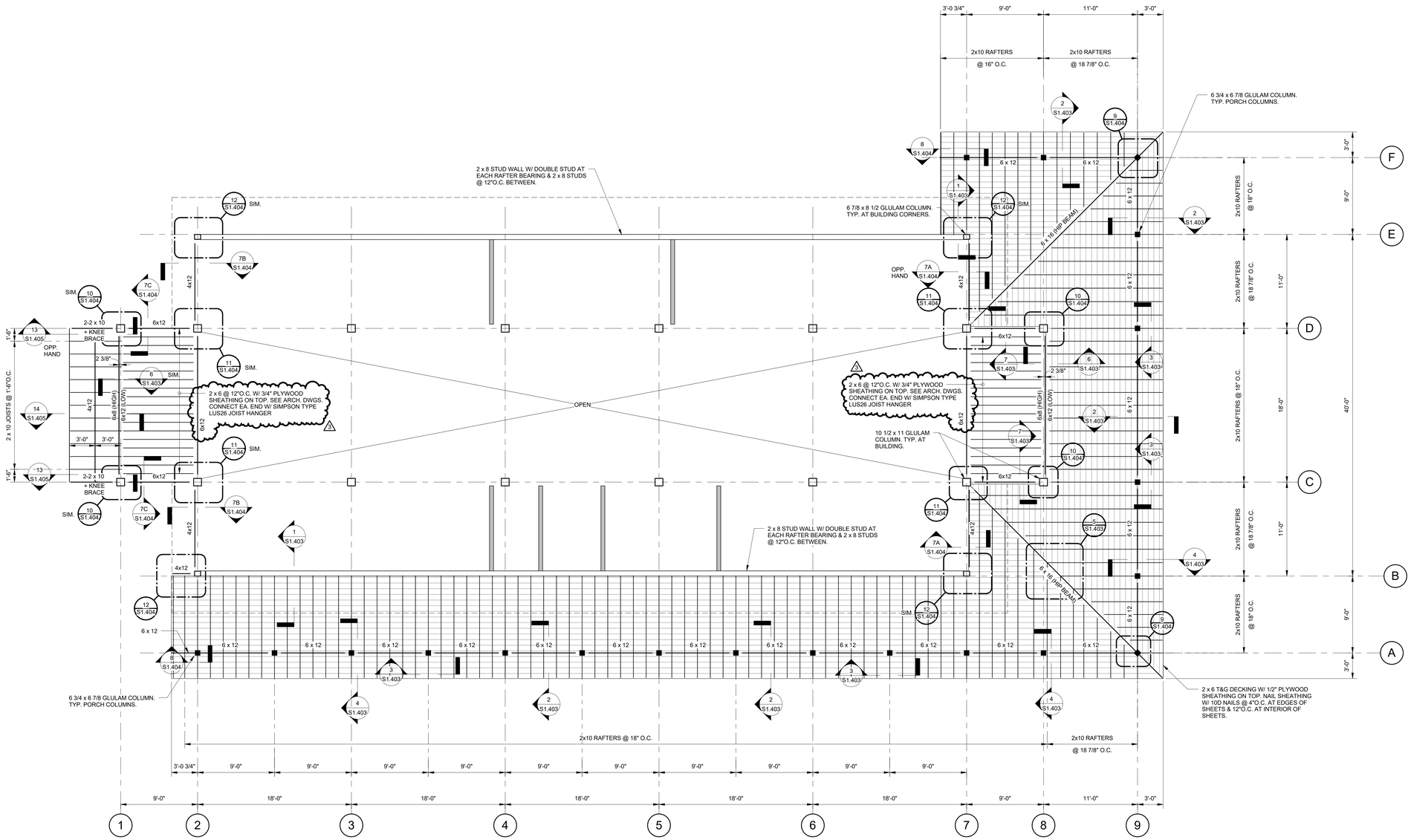

MUSEUM - PORCH ROOF FRAMING PLAN

3/16" = 1'-0"

NOTES:

1. ALL BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS TO MADE WITH STEEL ANGLES AND PLATES & THROUGH BOLTS OR LAG SCREWS.

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MORRISON
CHECKED BY: USSERY

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PROFESSIONAL STAMPS:

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 7978 6-27-2016 DEAN WILLIAM USSERY

SOUTH CAROLINA 4SE, INC. No. C02576 CERTIFICATE OF AUTHORIZATION

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
PORCH ROOF FRAMING PLAN

4SE STRUCTURAL ENGINEERS
2 RADCLIFFE STREET
SUITE 200
CHARLESTON, SC 29403
PH: 843-722-1382
FAX: 843-722-1383
WWW.4SEPLLC.COM

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Land Planners
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S1.104

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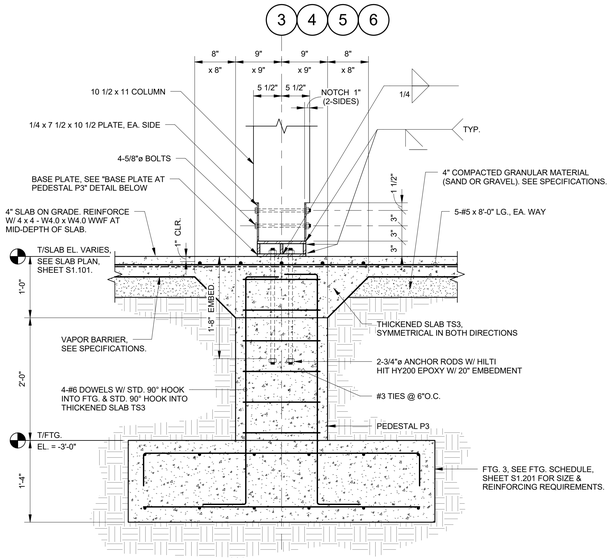
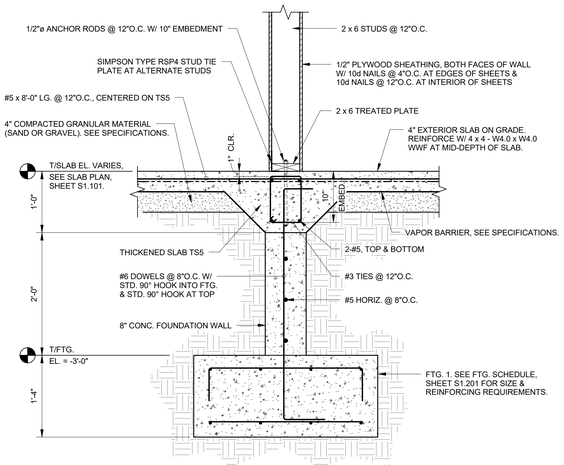
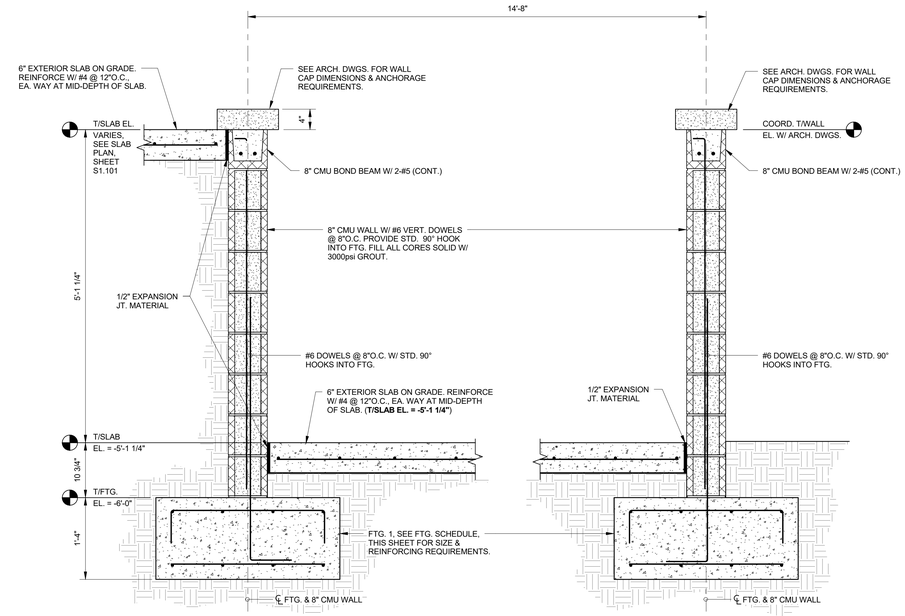


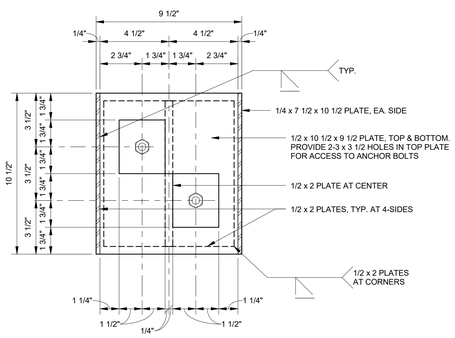
SECTION 13
1" = 1'-0" S1.100 | S1.203



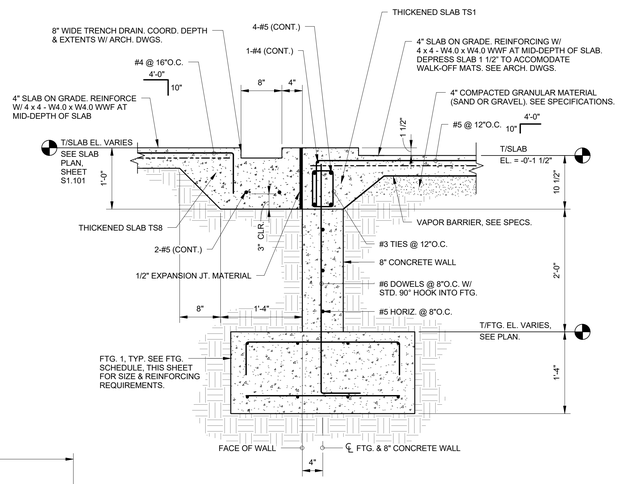
SECTION 14
1" = 1'-0" S1.100 | S1.203



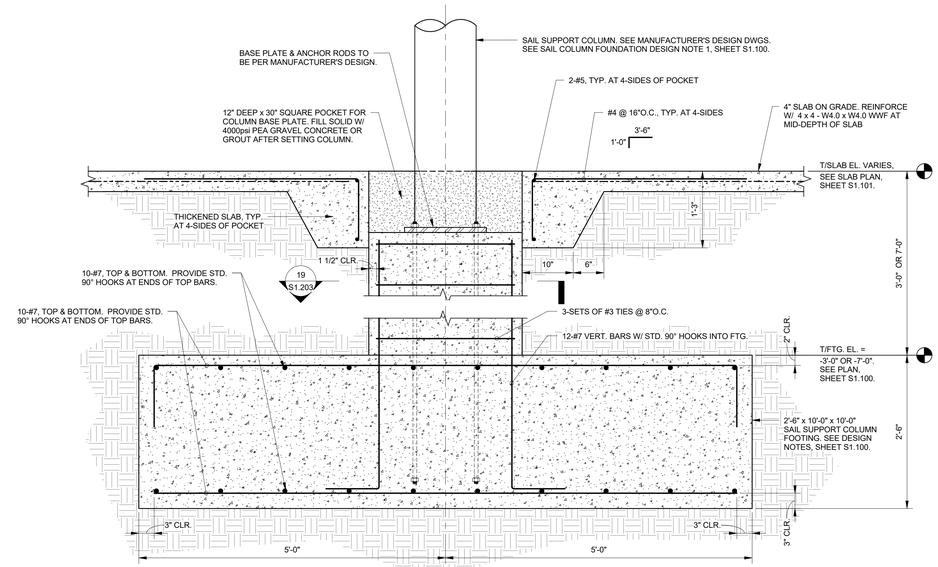
SECTION 15
1" = 1'-0" S1.100 | S1.203



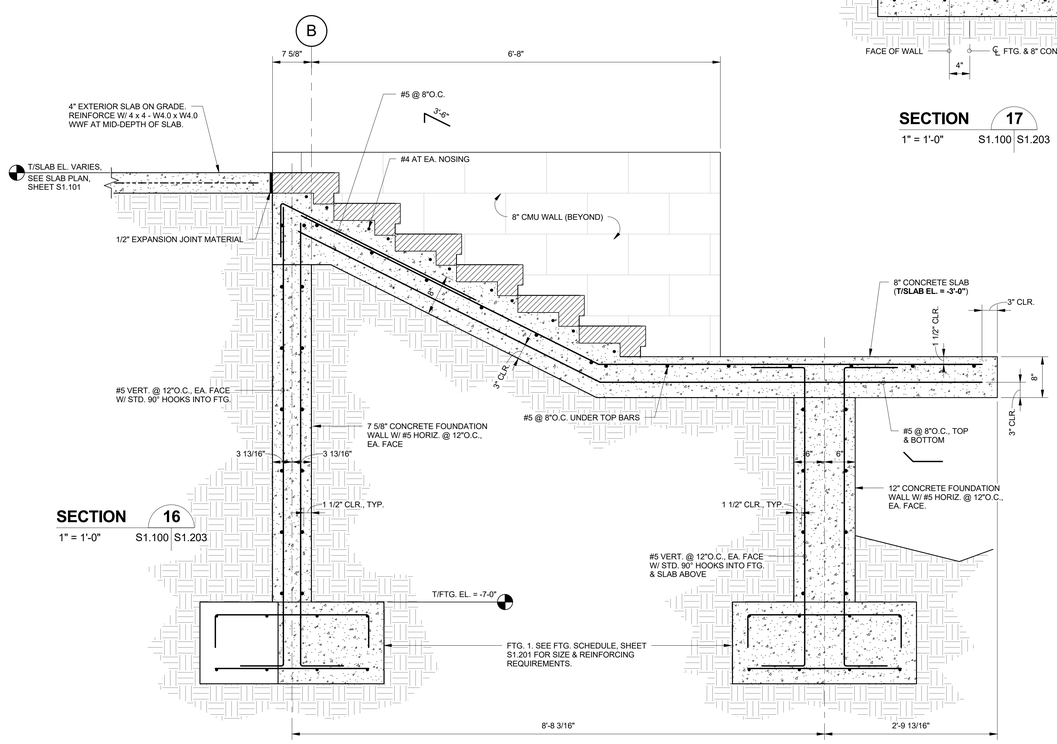
BASE PLATE AT PEDESTAL P3
3" = 1'-0"



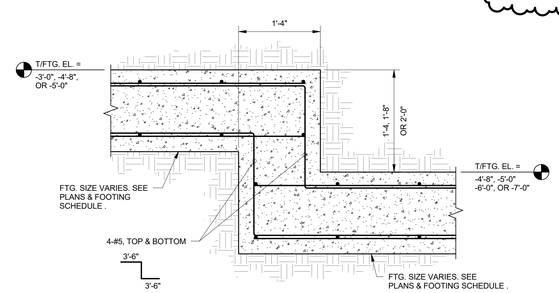
SECTION 17
1" = 1'-0" S1.100 | S1.203



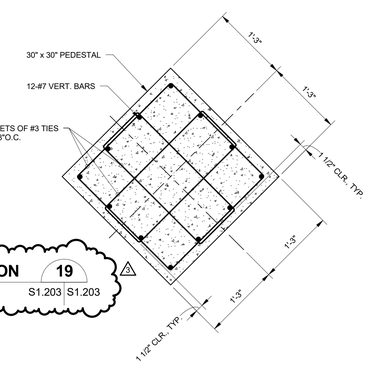
SECTION 18 3
1" = 1'-0" S1.100 | S1.203



SECTION 16
1" = 1'-0" S1.100 | S1.203



Footing Step Detail
1" = 1'-0"



SECTION 19 3
1" = 1'-0" S1.203 | S1.203

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MORRISON
CHECKED BY: USSERY

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PROFESSIONAL STAMPS:

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 7976 DEAN WILLIAM USSERY 6-27-2016

SOUTH CAROLINA 4SE, INC. No. C02576 CERTIFICATE OF AUTHORIZATION

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
FOUNDATION AND SLAB DETAILS

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2 MAGNOLIA STREET SUITE 201 CHARLESTON, SC 29403
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SHEET NUMBER
S1.203

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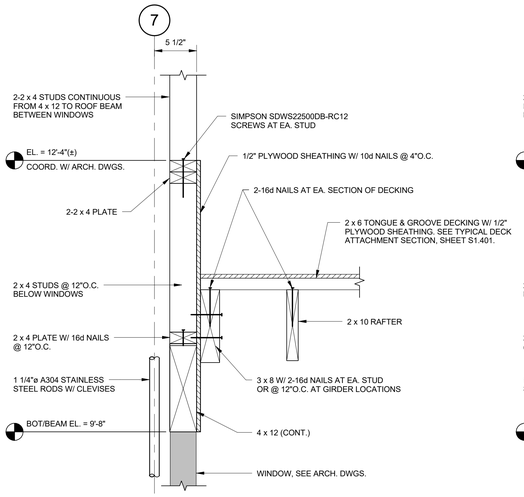
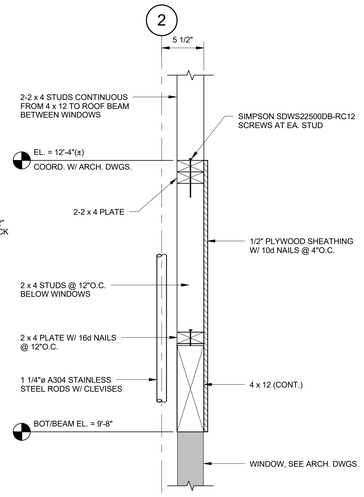
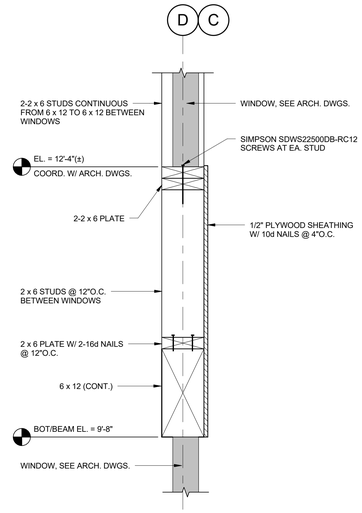


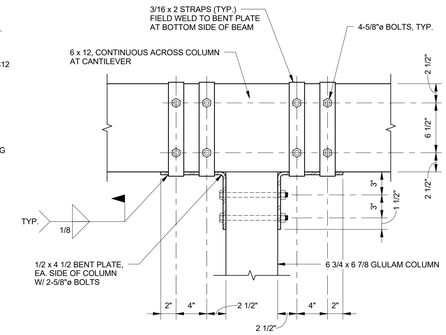
SECTION 7A
1 1/2" = 1'-0" S1.104 | S1.404



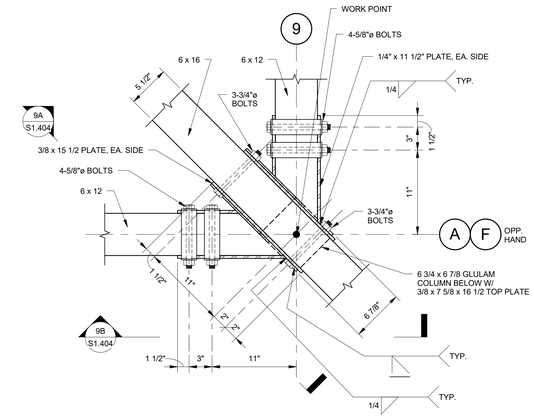
SECTION 7B
1 1/2" = 1'-0" S1.104 | S1.404



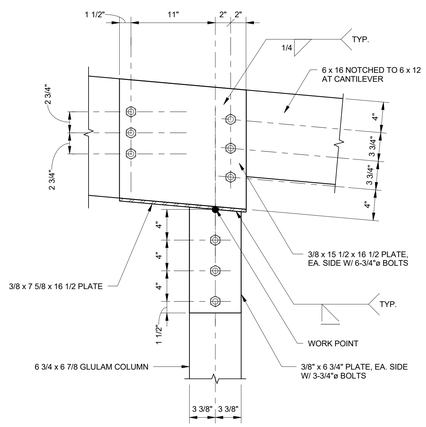
SECTION 7C
1 1/2" = 1'-0" S1.102 | S1.404



SECTION 8
1 1/2" = 1'-0" S1.104 | S1.404

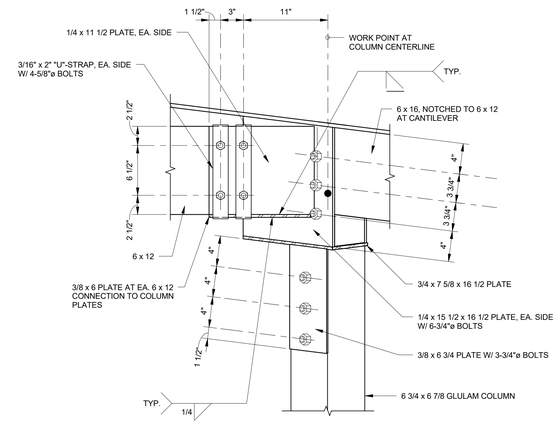


DETAIL 9
1 1/2" = 1'-0" S1.104 | S1.404

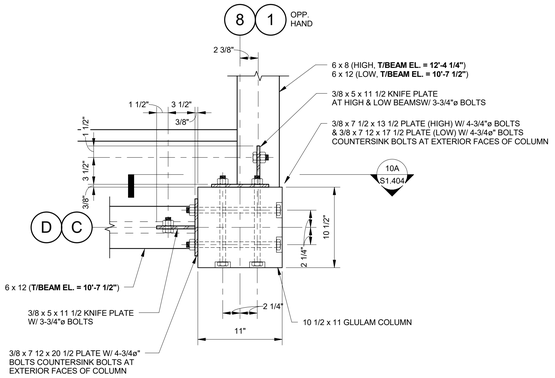


SECTION 9A
1 1/2" = 1'-0" S1.404 | S1.404

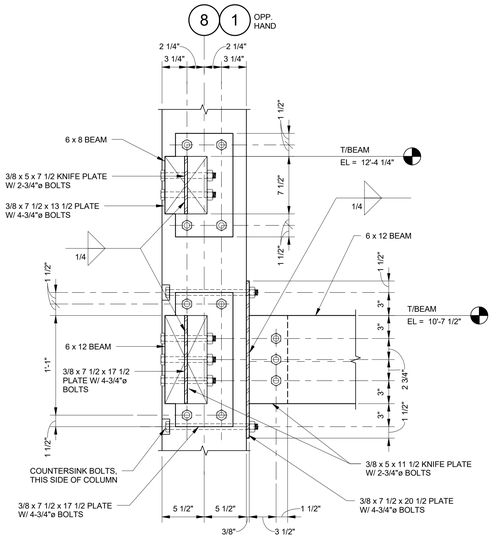
NOTE:
6 x 12 INTERSECTING MEMBER SKEWED TO VIEW DIRECTION NOT SHOWN FOR FOR CLARITY. SEE SECTION 9B, THIS SHEET



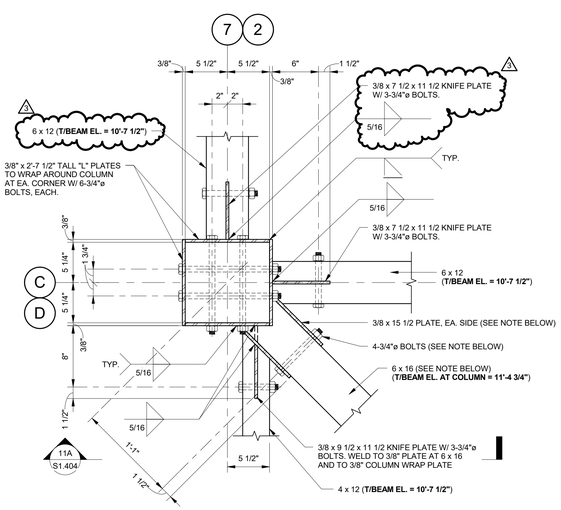
SECTION 9B
1 1/2" = 1'-0" S1.404 | S1.404



DETAIL 10
1 1/2" = 1'-0" S1.104 | S1.404

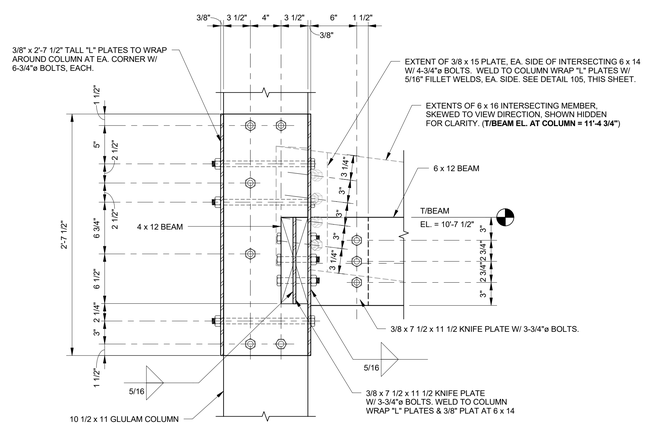


SECTION 10A
1 1/2" = 1'-0" S1.404 | S1.404

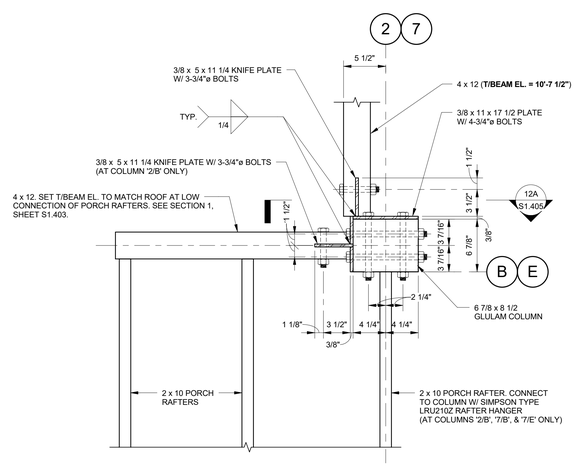


DETAIL 11
1 1/2" = 1'-0" S1.104 | S1.404

NOTE:
AT LOCATIONS INDICATED ON PLAN AS **11/S1.404 "SIM"**, 6 x 16, CONNECTOR PLATES, AND BOLTS TO BE OMITTED.



SECTION 11A
1 1/2" = 1'-0" S1.404 | S1.404



DETAIL 12
1 1/2" = 1'-0" S1.104 | S1.404

NOTE:
AT LOCATIONS INDICATED ON PLAN AS **12/S1.404 "SIM"**, CANTILEVERED 4 x 12 & ASSOCIATED CONNECTIONS TO BE OMITTED.

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MORRISON
CHECKED BY: USSERY

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PROFESSIONAL STAMPS:

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 7978 6-27-2016 DEAN WILLIAM USSERY

SOUTH CAROLINA 4SE, INC. No. C02576 CERTIFICATE OF AUTHORIZATION

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
ROOF FRAMING DETAILS

4SE STRUCTURAL ENGINEERS
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SHEET NUMBER
S1.404

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SITE LIGHT FIXTURE SCHEDULE

FIXTURE SPECIFICATIONS				LAMPING	ELECTRICAL			
TYPE	FIXTURE DESCRIPTION	MANUFACTURER	CAT. #	NO.	LAMP TYPE	FIXT. LOAD	VOLTS	MOUNTING REMARKS	NOTES
B1	BOLLARD WITH RECEPTACLE	FAIRWEATHER	MODEL B-3-L, SCHEDULE 40 PIPE, 36" HEIGHT, WITH OUTLET BOX CAVITY AND RECEPTACLE	-	LED	180	120 V	DIRECT BURY	PROVIDE TWO CIRCUITS: ONE FOR RECEPTACLE AND ONE FOR LIGHT
B2	BOLLARD WITHOUT RECEPTACLE	FAIRWEATHER	MODEL B-3-L, SCHEDULE 40 PIPE, 36" HEIGHT	-	LED	20	120 V	DIRECT BURY	
B3	BICYCLE BOLLARD	STRUCTURA INC.	DBL-36-L30-SO-D8Z-P1/S4-120D-STD	-	LED	10	120 V	PROVIDE ANCHOR BOLTS, MOUNT IN CONCRETE	FIXTURE SERVES AS BICYCLE RACK
P	INTERNAL COLUMN LIGHT	HALO	SLD612-80-30-WH-UNV	-	LED	15	120 V	MOUNT TO TOP OF COLUMN	ROUTE POWER THROUGH COLUMN POSTS
S	STEP LIGHT FIXTURE	JUNO	IC115LEDHSG-838LED-13-3K-BZ	-	LED	13	120 V	SURFACE MOUNT TO CONCRETE	
T	HANDRAIL POST LIGHT	WAC LIGHTING	3011-30-BBR	-	LED	5	120 V	SEE LANDSCAPE DETAILS	
U1	LINEAR SIGN UPLIGHT FIXTURE	WINONA	BLS727W-LCB-16-MSL4-700ADJ1-50X20DEG-LLP10A-35 K-MVOLT-FCLB10A-DBT	-	LED	57	120 V	PROVIDE ANCHOR BOLTS, MOUNT IN CONCRETE	
U2	UPLIGHT FIXTURE	LSI LIGHTING	XIG-B-LED-19-350-WW-UE-SP10-BRZ	-	LED	23	120 V	1'6"AFF, SEMI-RECESSED	
U3	SIGN UPLIGHT FIXTURE	WAC LIGHTING	5012-30-BBR-S	-	LED	15	120 V	SURFACE MOUNT TO CONCRETE	
Z	LARGE SHOEBOX FIXTURE	EATON	MP-TR-3F-150-120-BZ	1	METAL HALIDE	150	120 V	19' LWPS POLE DIRECT BURY 4' DEEP; LIGHT FIXTURE AT 15' AFG	POLE SHALL MATCH PALMETTO ELECTRIC COOP POLE

LIGHT FIXTURE SCHEDULE

FIXTURE SPECIFICATIONS				LAMPING	ELECTRICAL			
TYPE	FIXTURE DESCRIPTION	MANUFACTURER	CAT. #	NO.	LAMP TYPE	FIXT. LOAD	VOLTS	MOUNTING REMARKS	NOTES
C1	LINEAR DIRECT	PINNACLE ARCHITECTURAL LIGHTING	EX3-WET-N-30HO-4-IND-S-120-1D-FINISH	-	LED	35	120 V	SURFACE MOUNT	
C1E	LINEAR DIRECT	PINNACLE ARCHITECTURAL LIGHTING	EX3-WET-N-30HO-4-IND-S-120-1D-EM-FINISH	-	LED	35	120 V	SURFACE MOUNT	
C2	LINEAR DIRECT/INDIRECT	PINNACLE ARCHITECTURAL LIGHTING	EX3B-WET-O-30HO-30HO-IND-WA-120-1D-FINISH	-	LED	70	120 V	WALL MOUNT (SIDE OF BEAM)	
D	DOWNLIGHT	CREE	KR4	-	LED	18	120 V	RECESSED	
DE	DONWLIGHT, EMERGENCY	CREE	KR4	-	LED	18	120 V	RECESSED	
L4	STRIP LIGHT	H.E. WILLIAMS	80-4-L63/850-DRV-UNV	-	LED	52	120 V	2' CHAIN HANGER	
V	EXTERIOR DOWNLIGHT	KENALL	HRDL6L-26L30K-DV-FW-CSS-8	-	LED	26	120 V	RECESSED	
W2	WALL PACK	LUMIERE	303-W1-LEDB2-3000-UNV-T4-BZ-LCF	-	LED	16	120 V	WALL MOUNT 8'6"AFF	
W2E	WALL PACK	LUMIERE	303-W1-LEDB2-3000-UNV-T4-BZ-LCF	-	LED	16	120 V	WALL MOUNT 8'6"AFF	

1 2 14 4 5 14 7 8 9 10 11 12 13 14 15 16 17

LIGHTING CONTROL SCHEME SCHEDULE

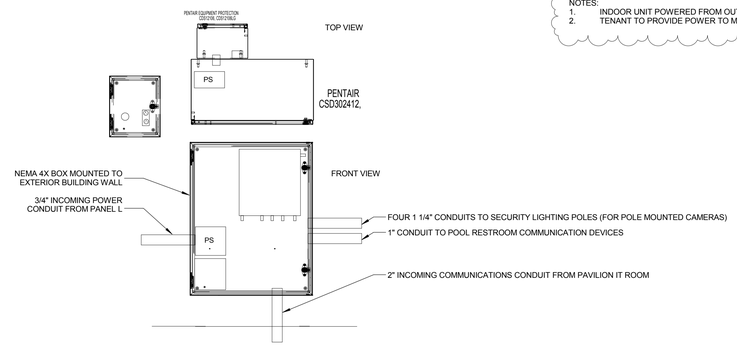
CONTROL SCHEME	CONTROL TYPE DESCRIPTION
1	MANUAL ON/OFF BY WALL MOUNTED SWITCH.
2	MANUAL DIMMING BY WALL MOUNTED DIMMER SWITCH.
4	MANUAL ON/OFF, SCENE SWITCHING WITH WALL MOUNTED SCENE SWITCH. CONTROL MAINTAINED BY ROOM CONTROLLER.
5	MANUAL ON WITH WALL MOUNTED SINGLE LEVEL VACANCY SENSOR. CONTROL MAINTAINED BY ROOM CONTROLLER.
7	MANUAL ON WITH CEILING MOUNTED VACANCY SENSOR(S) AND WALL MOUNTED DIMMER SWITCH(ES). CONTROL MAINTAINED BY ROOM CONTROLLER.
8	MANUAL ON, DUAL-LEVEL SWITCHING WITH WALL MOUNTED VACANCY SENSOR. CONTROL MAINTAINED BY ROOM CONTROLLER.
9	MANUAL ON SCENE SWITCHING WITH CEILING MOUNTED VACANCY SENSORS. CONTROL MAINTAINED BY ROOM CONTROLLER.
10	MANUAL ON, DUAL-LEVEL SWITCHING WITH WALL MOUNTED VACANCY SENSOR AND CEILING MOUNTED PHOTOSENSOR WITH ON/OFF CONTROL. CONTROL MAINTAINED BY ROOM CONTROLLER.
11	MANUAL ON, DUAL-LEVEL SWITCHING WITH CEILING MOUNTED VACANCY SENSOR AND CEILING MOUNTED PHOTOSENSOR WITH ON/OFF CONTROL. CONTROL MAINTAINED BY ROOM CONTROLLER.
12	MANUAL ON, DIMMING WITH CEILING MOUNTED VACANCY SENSOR AND CEILING MOUNTED PHOTOSENSOR WITH DIMMING CONTROL. CONTROL MAINTAINED BY ROOM CONTROLLER.
13	SCHEDULE ON/OFF DURING BUSINESS HOURS WITH AFTER-HOURS CEILING MOUNTED OCCUPANCY SENSOR CONTROL. SCHEDULE CONTROL MAINTAINED BY LCP.
14	SCHEDULE ON/OFF DURING BUSINESS HOURS WITH AFTER-HOURS CEILING MOUNTED OCCUPANCY SENSOR CONTROL AND MANUAL SWITCH OVERRIDE.
15	SCHEDULE ON/OFF DURING BUSINESS HOURS WITH AFTER-HOURS WALL MOUNTED OCCUPANCY SENSOR CONTROL AND MANUAL SWITCH OVERRIDE. SCHEDULE CONTROL MAINTAINED BY LCP.
16	SCHEDULE ON/OFF VIA TIME CLOCK WITH PHOTOSENSOR AND MANUAL OVERRIDE. PHOTOSENSOR SHALL BE WALL MOUNTED ON EXTERIOR.
17	SCHEDULE ON/OFF VIA TIME CLOCK WITH PHOTOSENSOR AND MANUAL DIMMING OVERRIDE. PHOTOSENSOR SHALL BE WALL MOUNTED ON EXTERIOR.

NOTES:
1. CONTROL SCHEME NUMBERS MAY NOT BE SEQUENTIAL; NOT ALL NUMBERS MAY BE PRESENT.
2. ROOM CONTROLLER BASIS OF DESIGN: WATT STOPPER LMRC-210 OR EQUAL
3. WALL MOUNTED SWITCH BASIS OF DESIGN: WATT STOPPER LMSW-101 OR EQUAL
4. WALL MOUNTED DIMMER SWITCH BASIS OF DESIGN: WATT STOPPER LMDM-100 OR EQUAL
5. WALL MOUNTED DUAL LEVEL SWITCH BASIS OF DESIGN: WATT STOPPER LMSW-102 OR EQUAL
6. WALL MOUNTED SCENE SWITCH BASIS OF DESIGN: WATT STOPPER LMSW OR EQUAL, WITH NECESSARY NUMBER OF SCENE BUTTONS, OR EQUAL
7. WALL MOUNTED, SINGLE LEVEL VACANCY SENSOR BASIS OF DESIGN: WATT STOPPER LMDW-101 OR EQUAL
8. WALL MOUNTED, DUAL LEVEL VACANCY SENSOR BASIS OF DESIGN: WATT STOPPER LMDW-102 OR EQUAL
9. CEILING MOUNTED OCCUPANCY/VACANCY SENSOR BASIS OF DESIGN: WATT STOPPER LMDC-100 OR EQUAL
10. WALL MOUNTED OCCUPANCY/VACANCY SENSOR (NO SWITCH) BASIS OF DESIGN: WATT STOPPER LMPX-100 OR EQUAL
11. PHOTOSENSOR BASIS OF DESIGN: WATT STOPPER LMLS-400 OR EQUAL

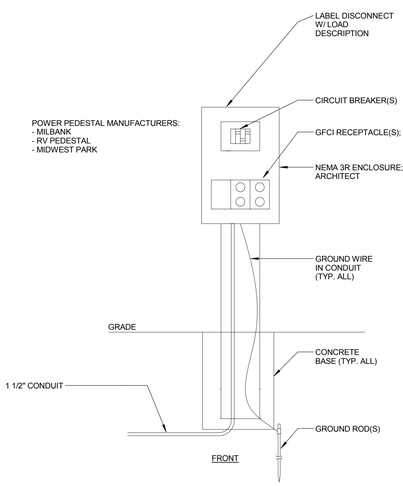
EQUIPMENT CONNECTION SCHEDULE

UNIT I.D.	ELECTRICAL VOLTS	PHASE	LOAD (VA)	BRANCH CIRCUIT WIRING	DISCONNECT / STARTER	NOTES
CU-1	208 V	3		NOT IN SCOPE	NOT IN SCOPE	2
CU-2	208 V	2	3224	2#12, #12G, 3/4"C	NFDS 30/1/4X	
CU-3	208 V	2	3224	2#12, #12G, 3/4"C	NFDS 30/1/4X	
CU-4/5	208 V	2	3224	2#10, #10G, 3/4"C	NFDS 30/1/4X	
HP-6/7	208 V	2	3224	2#12, #12G, 3/4"C	NFDS 30/1/4X	
WH-1	208 V	1	2000	2#12, #12G, 3/4"C	NFDS 30/1/4X	
WH-2	208 V	1	2000	2#12, #12G, 3/4"C	NFDS 30/1/4X	
IWH-1	208 V	2	4100	2#10, #10G, 3/4"C	PROVIDE PERMANENT MEANS OF LOCKOUT IN PANEL	
IWH-2	208 V	2	4100	2#10, #10G, 3/4"C	PROVIDE PERMANENT MEANS OF LOCKOUT IN PANEL	
AIR HANDLING UNITS						
AH-1	208 V	3		NOT IN SCOPE	NOT IN SCOPE	2
CEILING FANS						
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-1	120 V	1	52	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
BAF-2	120 V	1	1200	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
DUCTLESS MINI SPLIT						
AH-2	120 V	1	0	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	1
AH-3	120 V	1	0	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	1
AH-4	120 V	1	0	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	1
AH-5	120 V	1	0	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	1
AH-6	120 V	1	0	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	1
AH-7	120 V	1	0	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	1
ELECTRIC HEATER						
EH-4	208 V	3	5000	3#10, #10G, 3/4"C	NFDS 30/1/4X	
IRH-1	120 V	1	450	2#12, #12G, 3/4"C	PROVIDE PERMANENT MEANS OF LOCKOUT IN PANEL	
IRH-2	120 V	1	450	2#12, #12G, 3/4"C	PROVIDE PERMANENT MEANS OF LOCKOUT IN PANEL	
IRH-3	120 V	1	450	2#12, #12G, 3/4"C	PROVIDE PERMANENT MEANS OF LOCKOUT IN PANEL	
IRH-4	120 V	1	450	2#12, #12G, 3/4"C	PROVIDE PERMANENT MEANS OF LOCKOUT IN PANEL	
IRH-5	120 V	1	450	2#12, #12G, 3/4"C	PROVIDE PERMANENT MEANS OF LOCKOUT IN PANEL	
IRH-6	120 V	1	450	2#12, #12G, 3/4"C	PROVIDE PERMANENT MEANS OF LOCKOUT IN PANEL	
IRH-7	120 V	1	450	2#12, #12G, 3/4"C	PROVIDE PERMANENT MEANS OF LOCKOUT IN PANEL	
IRH-8	120 V	1	450	2#12, #12G, 3/4"C	PROVIDE PERMANENT MEANS OF LOCKOUT IN PANEL	
UH-1	208 V	2	3000	2#12, #12G, 3/4"C	NFDS 30/1/4X	
UH-2	208 V	2	3000	2#12, #12G, 3/4"C	NFDS 30/1/4X	
UH-3	208 V	2	3000	2#12, #12G, 3/4"C	NFDS 30/1/4X	
UH-4	208 V	2	3000	2#12, #12G, 3/4"C	NFDS 30/1/4X	
EXHAUST FANS						
EF-1	120 V	1	312	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
EF-2	120 V	1	312	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
EF-3	120 V	1	312	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
EF-4	120 V	1	312	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
EF-5	120 V	1	312	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
EF-6	120 V	1	312	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
EF-7	120 V	1	312	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
EF-8	120 V	1	312	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	
EF-9	120 V	1	312	2#12, #12G, 3/4"C	MOTOR RATED SWITCH	

NOTES:
1. INDOOR UNIT POWERED FROM OUTDOOR UNIT. VA LOAD IS INCLUDED IN THE OUTDOOR UNIT.
2. TENANT TO PROVIDE POWER TO MECHANICAL UNIT.



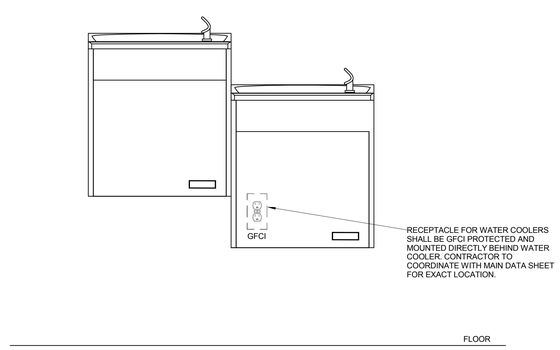
4 E0.002 EXTERIOR NEMA BOX DETAIL
NOT TO SCALE



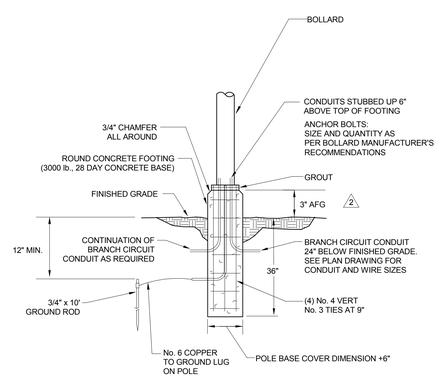
POWER PEDESTAL CONDUIT/CONDUCTOR SCHEDULE

TYPE	CONDUIT/CONDUCTOR SIZE
A	50A MOCP - 3#8, #10G, 1 1/2"C
B	70A MOCP - 3#4, #8G, 1 1/2"C
C	60A MOCP - 3#6, #10G, 1 1/2"C
D	70A MOCP - 3#4, #8G, 1 1/2"C

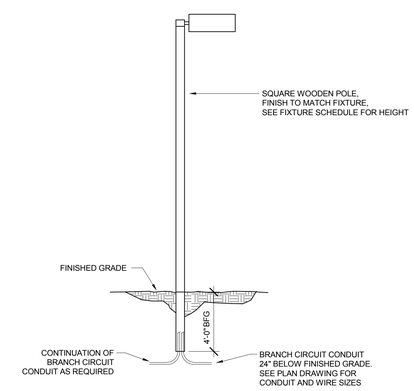
1 E0.002 ELECTRICAL POWER PEDESTAL DETAIL
NOT TO SCALE



2 E0.002 WATER COOLER ELEVATION
SCALE: NOT TO SCALE



3 E0.002 BOLLARD MOUNT DETAIL
NOT TO SCALE



5 E0.002 LIGHT POLE MOUNT DETAIL
NOT TO SCALE

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

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PROFESSIONAL STAMPS:

#	REVISION	DATE	BY
2	ADDENDUM 2	07/29/16	
3	ADDENDUM 3	08/05/16	

DATE 06/30/2016
PROJECT NUMBER 01-16002
SHEET TITLE ELECTRICAL SCHEDULES & DETAILS

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DWG Project No. 15008-00

SHEET NUMBER
E0.002

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LOAD CENTER SCHEDULE

Panel Name: L
Location:
Source: MDP-P
Mounting: Surface
Volts: 120/208 Wye
Phases: 3
Wires: 4
Enclosure: Type 4X
A.I.C. Rating: 10000
Mains Rating: 150 A
Mains Type: MAIN CIRCUIT BREAKER
Notes: * - INDICATES GFCI BREAKER

CKT NO.	CIRCUIT DESIGNATION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESIGNATION	CKT NO.
1	SPARE	20 A	1	0 VA / 7210 VA			3	60 A	FOUNTAIN CONTROL PANEL	2
3	LTG-POND RESTROOM	20 A	1		0 VA / 7210 VA					4
5	REC-DOCK	20 A	1			360 VA / 7210 VA				6
7	REC-PARK USB	20 A	1	900 VA / 450 VA			1	20 A	+ IRH-6	8
9	BAF-2-DOCK	20 A	1		1200 VA / 450 VA		1	20 A	+ IRH-7	10
11	EWC	20 A	1			1440 VA / 2050 VA	2	30 A	+ IWH-1	12
13	AUTOMATIC FLUSH VALVES	20 A	1	360 VA / 2050 VA						14
15	HAND DRYER	20 A	1		1440 VA / 2050 VA		2	30 A	+ IWH-2	16
17	HAND DRYER	20 A	1			1440 VA / 2050 VA				18
19	BATHROOM REC/EXHAUST FANS	20 A	1	530 VA / 1200 VA			1	20 A	MEDIA CONVERTER	20
21	LTG-EXTERIOR POLES	20 A	1		750 VA / 0 VA		1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA / 0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA / 0 VA			--	--	SPD BREAKER	26
27	PREPARED SPACE	--	--		0 VA / 0 VA		--	--	SPD BREAKER	28
29	PREPARED SPACE	--	--			0 VA / 0 VA	--	--	SPD BREAKER	30
	TOTAL PHASE LOAD:			12700 VA	13095	14545	+ - PROVIDE PERMANENT MEANS OF LOCKOUT			
	TOTAL PHASE CURRENT:			106 A	110 A	122 A				
PANEL TOTALS										
TOTAL CONNECTED LOAD:				40366						
TOTAL CONNECTED CURRENT:				112 A						

PANELBOARD SCHEDULE

Panel Name: R
Location: IT 204
Source: MDP-P
Mounting: Surface
Volts: 120/208 Wye
Phases: 3
Wires: 4
Enclosure: Type 1
A.I.C. Rating: 10000
Mains Rating: 300 A
Mains Type: MAIN CIRCUIT BREAKER

CKT NO.	CIRCUIT DESIGNATION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESIGNATION	CKT NO.
1	LTG-SITE	20 A	1	740 VA / 600 VA			1	20 A	LTG-SITE	2
3	REC-BOLLARD	20 A	1		1260 VA / 900 VA		1	20 A	REC-BOLLARD	4
5	REC-BOLLARD	20 A	1			900 VA / 1440 VA	1	20 A	REC-SCULPTURE	6
7	REC-BOLLARD	20 A	1	900 VA / 4320 VA			2	70 A	POWER PEDESTAL	8
9	REC-BOLLARD	20 A	1		720 VA / 4320 VA					10
11	REC-BOLLARD	20 A	1			900 VA / 3600 VA	2	60 A	POWER PEDESTAL	12
13	BAF	20 A	1	100 VA / 3600 VA						14
15	BAF	20 A	1		160 VA / 4320 VA		2	70 A	POWER PEDESTAL	16
17	IRH-1, 2	20 A	1			1350 VA / 4320 VA				18
19	REC-RESTROOM BLDG	20 A	1	1480 VA / 3600 VA			2	60 A	POWER PEDESTAL	20
21	HAND DRYER	20 A	1		1440 VA / 3600 VA					22
23	EWC	20 A	1			1440 VA / 2880 VA	2	50 A	POWER PEDESTAL	24
25	AUTOMATIC FLUSH VALVE	20 A	1	540 VA / 2880 VA						26
27	WH-1	20 A	2		1000 VA / 960 VA		1	20 A	LTG-INTERIOR	28
29						1000 VA / 1440 VA	1	20 A	HAND DRYER	30
31	IRH-3, 4, 5	20 A	1	1350 VA / 1440 VA			1	20 A	HAND DRYER	32
33	HAND DRYER	20 A	1		1440 VA / 1440 VA		1	20 A	HAND DRYER	34
35	EF-1-6	20 A	1			530 VA / 1480 VA	1	20 A	REC-RESTROOM BLDG	36
37	WH-2	20 A	2	1000 VA / 1500 VA			2	20 A	UH-1	38
39					1000 VA / 1500 VA					40
41	CU-3	20 A	2			1610 VA / 1500 VA	2	20 A	UH-2	42
43				1610 VA / 1500 VA						44
45	REC-POE	20 A	1		180 VA / 1500 VA		2	20 A	UH-3	46
47	LTG-PARK	20 A	1			180 VA / 1500 VA				48
49	SPARE	20 A	1	0 VA / 1500 VA			2	20 A	UH-4	50
51	SPARE	20 A	1		0 VA / 1500 VA					52
53	SPARE	20 A	1			0 VA / 0 VA	1	20 A	SPARE	54
55	PREPARED SPACE	--	--	0 VA / 0 VA			--	--	SPD BREAKER	56
57	PREPARED SPACE	--	--		0 VA / 0 VA		--	--	SPD BREAKER	58
59	PREPARED SPACE	--	--			0 VA / 0 VA	--	--	SPD BREAKER	60
	TOTAL PHASE LOAD:			28670 VA	27236	26065				
	TOTAL PHASE CURRENT:			240 A	228 A	217 A				
PANEL TOTALS										
TOTAL CONNECTED LOAD:				82213						
TOTAL CONNECTED CURRENT:				228 A						

PANELBOARD SCHEDULE

Panel Name: MDP-C
Location:
Source:
Mounting: Surface
Volts: 120/208 Wye
Phases: 3
Wires: 4
Enclosure: Type 1
A.I.C. Rating: 42000
Mains Rating: 400 A
Mains Type: MAIN CIRCUIT BREAKER

CKT NO.	CIRCUIT DESIGNATION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESIGNATION	CKT NO.
1	BAF	20 A	1	360 VA / 510 VA			1	20 A	LIGHTING	2
3	AIR COMPRESSOR	20 A	1		860 VA / 100 VA		1	20 A	FIRE ALARM PANEL *	4
5	RECP - EXTERIOR	20 A	1			720 VA / 180 VA	1	20 A	RECP - EXTERIOR FLOOR BOX	6
7	RECP - EXTERIOR FLOOR BOX	20 A	1	180 VA / 360 VA			1	20 A	RECP - FLOOR BOX	8
9	CU-2	20 A	2		1610 VA / 1610 VA		2	20 A	AH-6, AH-7, HP-6/7	10
11						1610 VA / 1610 VA				12
13	SPARE	20 A	1	0 VA / 0 VA			1	20 A	SPARE	14
15	SPARE	20 A	1		0 VA / 0 VA		1	20 A	SPARE	16
17	SPARE	20 A	1			0 VA / 0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA / 0 VA			1	20 A	SPARE	20
21	SPARE	20 A	1		0 VA / 0 VA		1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA / 0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA / 0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1		0 VA / 0 VA		1	20 A	SPARE	28
29	SPARE	20 A	1			0 VA / 0 VA	1	20 A	SPARE	30
31	PREPARED SPACE	--	--	0 VA / 0 VA			--	--	PREPARED SPACE	32
33	PREPARED SPACE	--	--		0 VA / 0 VA		--	--	PREPARED SPACE	34
35	PREPARED SPACE	--	--			0 VA / 0 VA	--	--	PREPARED SPACE	36
37	PREPARED SPACE	--	--	0 VA / 0 VA			--	--	SPD BREAKER	38
39	PREPARED SPACE	--	--		0 VA / 0 VA		--	--	SPD BREAKER	40
41	PREPARED SPACE	--	--			0 VA / 0 VA	--	--	SPD BREAKER	42
	TOTAL PHASE LOAD:			1410 VA	4188	4124				
	TOTAL PHASE CURRENT:			12 A	38 A	38 A				
PANEL TOTALS										
TOTAL CONNECTED LOAD:				9780						
TOTAL CONNECTED CURRENT:				27 A						

* PAINT BREAKER HANDLE RED

PANELBOARD SCHEDULE

Panel Name: MDP-P
Location: IT/ELEC 303
Source:
Mounting: Surface
Volts: 120/208 Wye
Phases: 3
Wires: 4
Enclosure: Type 1
A.I.C. Rating: 42000
Mains Rating: 600 A
Mains Type: MAIN CIRCUIT BREAKER
Notes: * - INDICATES GFCI BREAKER

CKT NO.	CIRCUIT DESIGNATION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESIGNATION	CKT NO.
1	LTG-PAVILLION	20 A	1	840 VA / 3840 VA			2	70 A	POWER PEDESTAL	2
3	LTG-PAVILLION	20 A	1		750 VA / 3840 VA					4
5	REC-BOLLARDS	20 A	1			180 VA / 2880 VA	2	50 A	POWER PEDESTAL	6
7	REC-HAND HOLE	20 A	1	360 VA / 2880 VA						8
9	REC-HAND HOLE	20 A	1		360 VA / 2700 VA		2	30 A	ICE MAKER	10
11	SPARE	0 A	1			0 VA / 2700 VA				12
13	SPARE	0 A	1	0 VA / 360 VA			1	20 A	* REC-HAND HOLE	14
15	BAF-PAVILLION	20 A	1		200 VA / 360 VA		1	20 A	* REC-HAND HOLE	16
17	REC-PAVILLION IT/ELEC 303	20 A	1			180 VA / 360 VA	1	20 A	* REC-HAND HOLE	18
19	REC-PAVILLION IT/ELEC 303	20 A	1	180 VA / 360 VA			1	20 A	* REC-HAND HOLE	20
21	REC-PAVILLION IT/ELEC 303	20 A	1		180 VA / 360 VA		1	20 A	* REC-HAND HOLE	22
23	REC-PAVILLION BAND RECEPTACLE	20 A	1			180 VA / 360 VA	1	20 A	* REC-HAND HOLE	24
25	REC-PAVILLION	20 A	1	1150 VA / 1610 VA			2	30 A	CU-4/5	26
27	REC-PAVILLION	20 A	1		360 VA / 1610 VA					28
29	REC-PAVILLION	20 A	1			360 VA / 0 VA	1	20 A	SPARE	30
31	REC-PAVILLION	20 A	1	1080 VA / 0 VA			1	20 A	SPARE	32
33	REC-PAVILLION BAND RECEPTACLE	50 A	3		3600 VA / 0 VA		1	20 A	SPARE	34
35						3600 VA / 0 VA	1	20 A	SPARE	36
37				3600 VA / 0 VA			1	20 A	SPARE	38
39					1670 VA / 0 VA		1	20 A	SPARE	40
41	EH-4	20 A	3			1670 VA / 0 VA	1	20 A	SPARE	42
43				1670 VA / 0 VA			--	--	PREPARED SPACE	44
45	VEHICLE CHARGING STATION	40 A	2		2500 VA / 0 VA		--	--	PREPARED SPACE	46
47						2500 VA / 0 VA	--	--	PREPARED SPACE	48
49	SPARE	20 A	1	0 VA / 26990 VA			3	300 A	PANEL R	50
51	SPARE	20 A	1		0 VA / 27110 VA					52
53	SPARE	20 A	1			0 VA / 24380 VA				54
55	SPD BREAKER	--	--	0 VA / 12250 VA			3	150 A	PANEL L	56
57	SPD BREAKER	--	--		0 VA / 12650 VA					58
59	SPD BREAKER	--	--			0 VA / 14550 VA				60
	TOTAL PHASE LOAD:			57180 VA	58255	53898				
	TOTAL PHASE CURRENT:			481 A	490 A	449 A				
PANEL TOTALS										
TOTAL CONNECTED LOAD:				173979						
TOTAL CONNECTED CURRENT:				483 A						

L	MDP-C
R	MDP-P

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: MWC
CHECKED BY: DAW

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2	ADDENDUM 2	07/29/16	
3	ADDENDUM 3	08/05/16	

DATE
06/30/2016
PROJECT NUMBER
01-16002
SHEET TITLE
ELECTRICAL PANEL SCHEDULES

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PO Box 23949 ■ Hilton Head Island, SC 29925
843.681.6618 ■ Fax 843.681.7086 ■ www.woodandpartners.com

DWG Project No. 15008-00

SHEET NUMBER
E0.050

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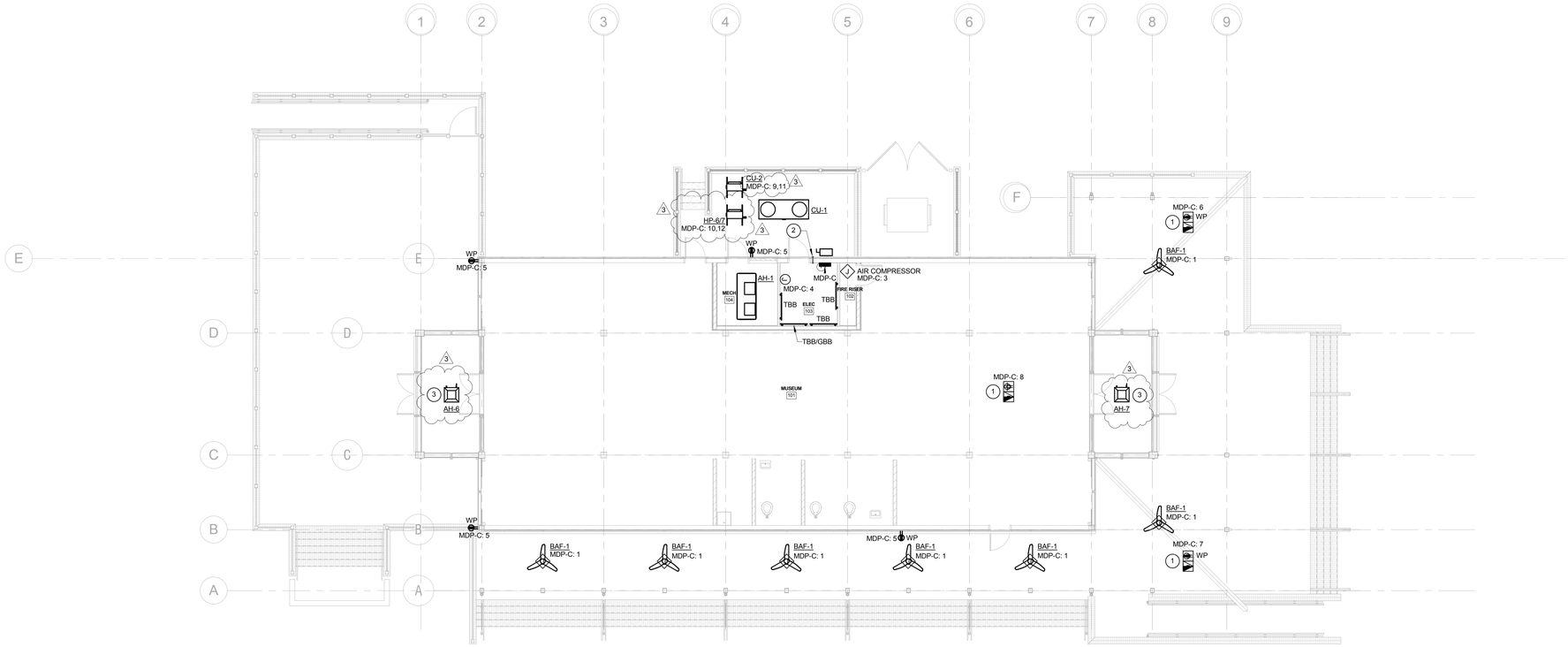

1 CHILDRENS MUSEUM POWER & TELECOM. PLAN
E1.101 SCALE: 1/8" = 1'-0"

KEY NOTES

1. PROVIDE FLOORBOX ROUGH-IN. COORDINATE FINAL LOCATION WITH ARCHITECT.
2. PROVIDE 4" SLEEVE FOR EXTERIOR CU-1. CONDUIT, CONDUCTORS, DUCT DETECTORS, DISCONNECT, ETC. ARE NOT IN SCOPE.
3. INDOOR UNIT FED FROM OUTDOOR UNIT. COORDINATE ELECTRICAL CONDUIT ROUTING WITH MECHANICAL PIPING INSTALLATION AS DETAILED ON MECHANICAL SHEETS.

GENERAL NOTES

1. SEE SITE PLAN FOR CAMERA ROUGH-IN LOCATIONS.

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

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06/30/2016

PROJECT NUMBER
01-16002

SHEET TITLE
CHILDRENS MUSEUM POWER & TELECOM. PLAN

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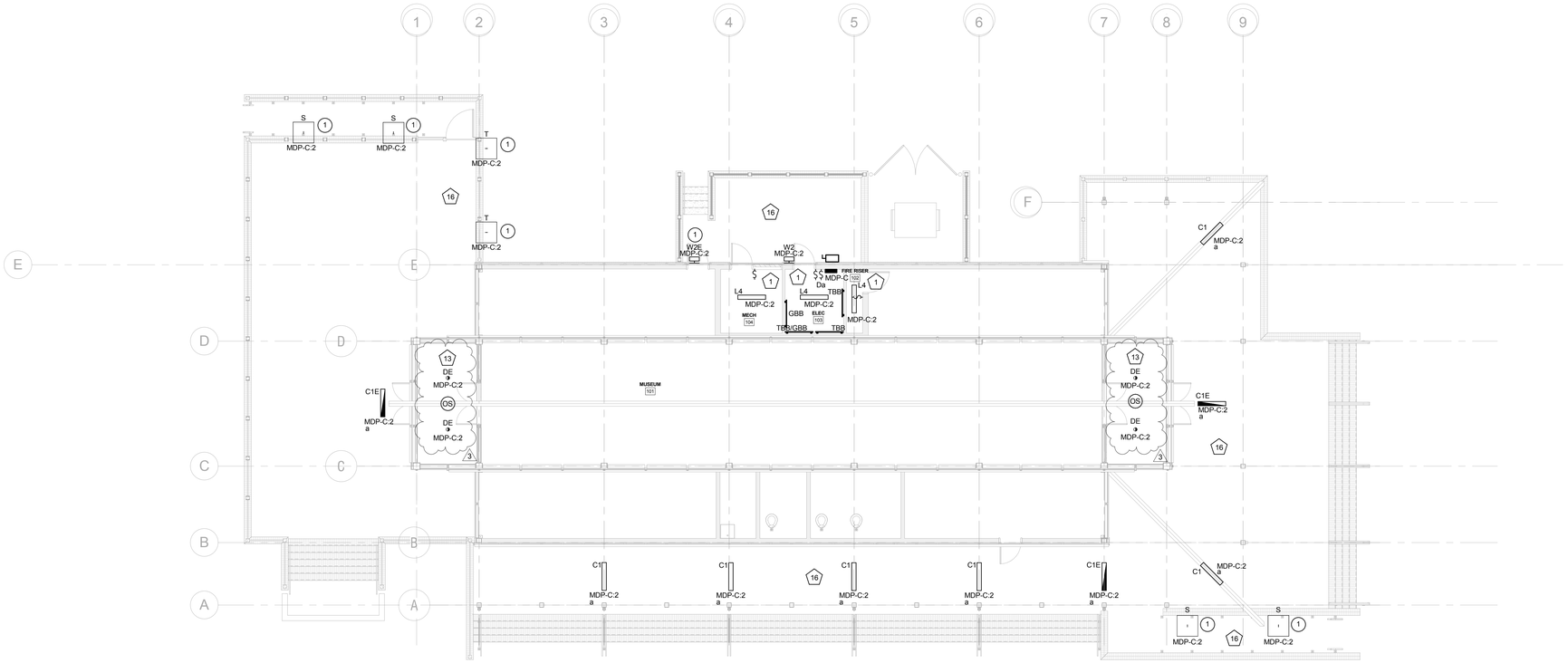

1 / E1.102 CHILDRENS MUSEUM LIGHTING PLAN
SCALE: 1/8" = 1'-0"

LIGHT FIXTURE PLAN KEY

SHADING INDICATES EMERGENCY FIXTURE USED BY GENERATOR OR SUPPLIED WITH EMERGENCY BATTERY PACK

CE d / NL A:2

CE	= UPPERCASE LETTER / LETTERS INDICATE FIXTURE TYPE
d	= LOWERCASE LETTER INDICATES SWITCH IDENTIFICATION
NL or EM	= INDICATES NON SWITCHED "NIGHT LIGHT" / "EMERGENCY"
A:9	= DESIGNATES PANEL NAME: CIRCUIT NUMBER

NOTE:
ALL "EM" FIXTURES INDICATED IN PLAN CONTAIN EMERGENCY BALLASTS OR CONNECTION TO GENERATOR. ALL EMERGENCY BALLAST FIXTURES REQUIRE AN EXTRA CONSTANT POWER CONDUCTOR TO BE CONNECTED TO THE EMERGENCY BALLAST FOR CHARGING. CONDUCTOR MUST NOT BE CONTROLLED BY ANY LIGHTING SYSTEM OR HAVE POWER INTERRUPTED AT ANY TIME. "NL" FIXTURES SHALL HAVE ABSOLUTELY NO LIGHTING CONTROL & SHALL BE OPERATIONAL AT ALL TIMES.

IN BOTH CASES "EM" & "NL" , WHERE UTILITY POWER SHOULD FAIL, FIXTURES SHALL REMAIN OPERATIONAL FOR A MINIMUM 90 MINUTES @ 1400 LUMENS WITH AT LEAST 2 LAMPS OPERATIONAL.

LIGHT CONTROL SCHEME

LIGHTING CONTROL SYMBOL CORRELATES WITH DESIRED CONTROL SCHEME AS INDICATED IN THE LIGHTING CONTROL SCHEME SCHEDULE

N

KEY NOTES

1. FIXTURE TO BE PROVIDED WITH REMOTE EMERGENCY BATTERY PACK WITHIN BUILDING INTERIOR AS MANUFACTURED BY PHILIPS BODINE OR EQUAL.

GENERAL NOTES

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY:
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01-16002

SHEET TITLE
CHILDRENS MUSEUM LIGHTING PLAN

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DWG Project No. 15008-00

SHEET NUMBER
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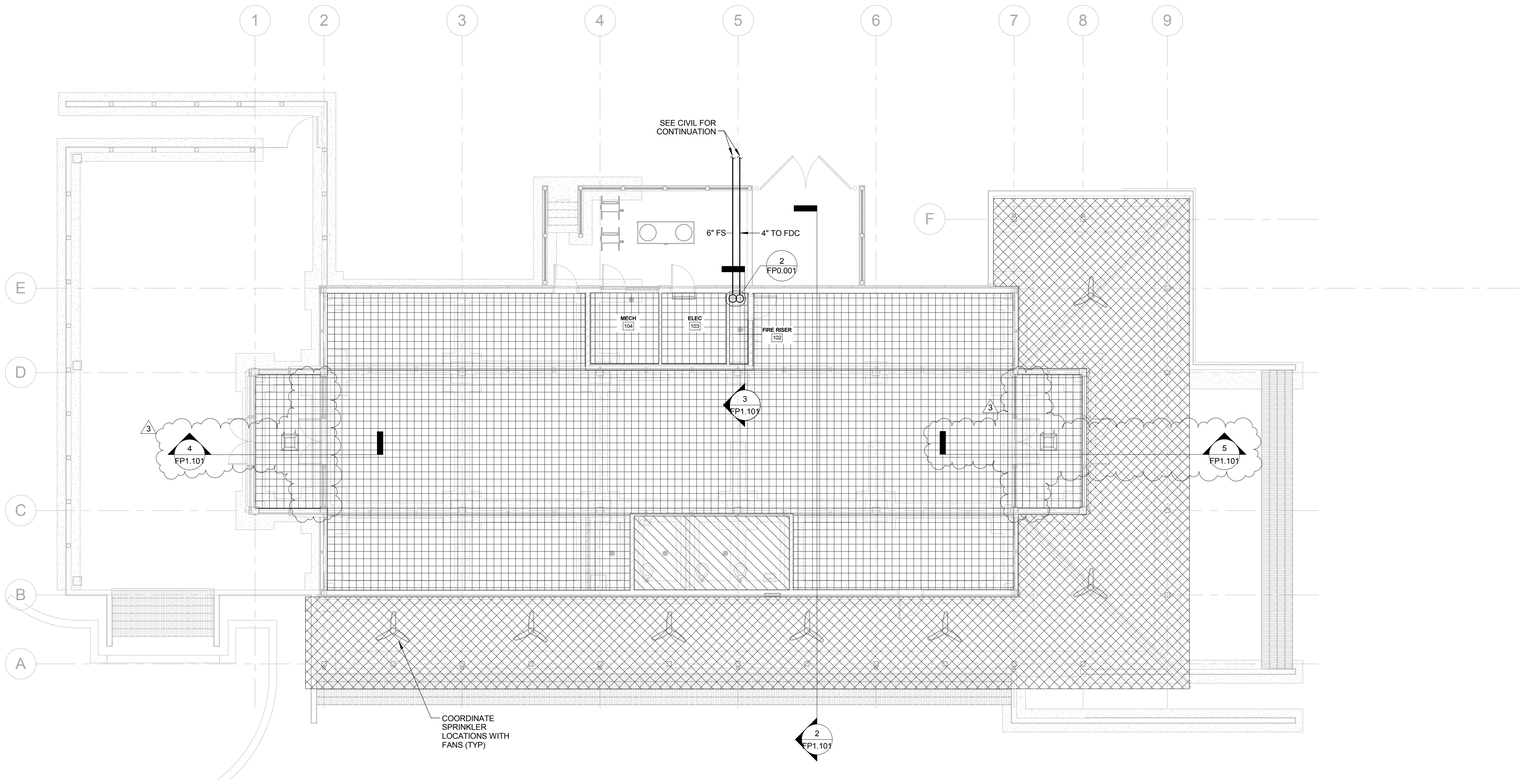
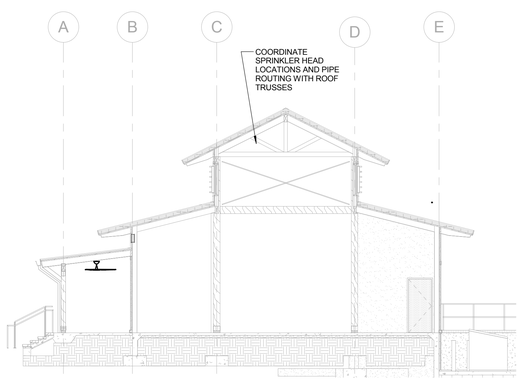
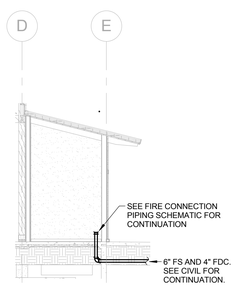


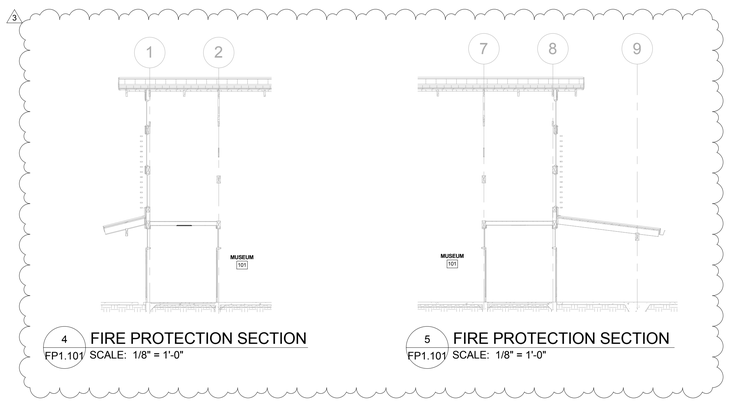
1 FP1.101 MUSEUM FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0"



2 FP1.101 FIRE PROTECTION SECTION
SCALE: 1/8" = 1'-0"



3 FP1.101 FIRE PROTECTION SECTION
SCALE: 1/8" = 1'-0"



4 FP1.101 FIRE PROTECTION SECTION
SCALE: 1/8" = 1'-0"

5 FP1.101 FIRE PROTECTION SECTION
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. MEANS TO ENSURE AREAS WITH WET PIPE SPRINKLER SYSTEM ARE MAINTAINED AT LEAST 40° WILL BE PROVIDED BY OTHERS DURING LATER UPFIT PHASE.
2. CONCEAL SPRINKLER SYSTEM PIPING BY ROUTING ON TOP OF BEAMS, ABOVE CEILINGS WHERE PROVIDED, AND ALONG WINDOW MULLIONS INSTEAD OF PASSING DIRECTLY IN FRONT OF WINDOWS. PIPING SHALL BE CONCEALED TO THE GREATEST EXTEND POSSIBLE. EXPOSED SPRINKLER PIPING SHALL BE PAINTED TO MATCH ARCHITECTURAL BACKGROUND COLORS. COORDINATE COLOR SELECTION WITH ARCHITECT/OWNER.
3. SPRINKLER HEADS IN EXTERIOR LOCATIONS SHALL BE LISTED FOR CORROSION RESISTANCE WITH ELECTROLESS NICKEL PTFE COATING. BASIS OF DESIGN: VICTAULIC NICKEL-TEFLON COATING.

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY:
KMM

CHECKED BY:
MAU

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PROFESSIONAL STAMPS:

#	REVISION	DATE	BY
3	ADDENDUM 3	08/05/16	

DATE
06/30/2016

PROJECT NUMBER
01-16002

SHEET TITLE
MUSEUM FIRE PROTECTION PLAN

DWG CONSULTING ENGINEERS
listen.consult.sustain
DWG Project No. 15008-00

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SHEET NUMBER
FP1.101

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SEISMIC AND WIND REQUIREMENTS FOR MECHANICAL SYSTEMS

IBC-2012 /ASCE 7-10

A. PER SECTION 301.15 OF THE 2012 EDITION OF THE INTERNATIONAL MECHANICAL CODE, MECHANICAL EQUIPMENT, APPLIANCES AND SUPPORTS (INCLUDING ROOF CURBS & ROOF RAILS) EXPOSED TO WIND SHALL BE DESIGNED AND INSTALLED TO RESIST THE WIND PRESSURES DETERMINED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE. WHERE SEISMIC RESTRAINT IS REQUIRED, THE MORE DEMANDING FORCE OF WIND AND SEISMIC MUST BE USED. SEE SEISMIC INFORMATION CONTAINED IN THE STRUCTURAL DRAWINGS FOR SITE SPECIFIC INFORMATION ON SEISMIC DESIGN CATEGORY.
B. SEE EQUIPMENT SCHEDULES AND DETAILS FOR SPECIFIC COMPONENT IMPORTANCE FACTOR DESIGNATIONS.
C. USE APPLICABLE TABLE BELOW TO DETERMINE SEISMIC RESTRAINT REQUIREMENTS FOR EACH MECHANICAL COMPONENT.
D. FOR ALL COMPONENTS REQUIRING SEISMIC RESTRAINT, THE COMPONENT SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL. SUBMITTALS MUST INCLUDE STAMPED AND SIGNED DRAWINGS AND CALCULATIONS.
E. WHERE SEISMIC RESTRAINT IS REQUIRED, HOUSEKEEPING PADS NEEDED FOR THE INSTALLATION OF EQUIPMENT UNDER THIS CONTRACT MUST BE DESIGNED BY THE SEISMIC ENGINEER. DO NOT POUR ANY HOUSEKEEPING PADS PRIOR TO THE RECEIPT OF THE SEISMIC SUBMITTAL.
F. SEISMIC RESTRAINTS FOR PIPING AND DUCTWORK MUST BE SHOWN ON LAYOUT DRAWINGS SHOWING SPECIFIC RESTRAINT LOCATIONS ALONG WITH ACCOMPANYING DETAILS AND CALCULATIONS.

MECHANICAL COMPONENT IMPORTANCE FACTOR (Ip) DESIGNATION

Ip = 1.0	Ip = 1.5
◆ ALL HVAC COMPONENTS EXCEPT AS NOTED IN Ip=1.5	

SEISMIC DESIGN CATEGORIES D,E,F

		COMPONENT IMPORTANCE FACTOR (Ip)			
		1.0		1.5	
COMPONENT IDENTIFICATION		SEISMIC RESTRAINT REQUIREMENT	NOTES	SEISMIC RESTRAINT REQUIREMENT	NOTES
ROOF MOUNTED		RESTRAIN ALL	1	RESTRAIN ALL	-
FLOOR MOUNTED		RESTRAIN ALL	1, 2	RESTRAIN ALL	-
WALL MOUNTED		RESTRAIN ALL	1, 2	RESTRAIN ALL	-
COMPONENT SUPPORTS		RESTRAIN ALL	1	RESTRAIN ALL	-
SUSPENDED EQUIPMENT	INLINE W/ DUCT	RESTRAIN IF >75 LBS PROVIDE FLEX. CONN.	3	RESTRAIN IF >75 LBS PROVIDE FLEX. CONN.	3
	NOT INLINE W/ DUCT/PIPE	RESTRAIN ALL	1	RESTRAIN ALL	-
SUSPENDED DUCTILE PIPING (STEEL, ALUMINUM, COPPER, ETC.)		>3"	4	>1"	4
SUSPENDED NON DUCTILE PIPING (CAST IRON, PLASTIC, CERAMIC)		RESTRAIN ALL	4	RESTRAIN ALL	4
SUSPENDED PIPE ON TRAPEZE		RESTRAIN IF ANY PIPE ON TRAPEZE > 3" RESTRAIN IF TOTAL WEIGHT OF PIPES ON TRAPEZE > 10 LBS/FT	4	RESTRAIN IF ANY PIPE ON TRAPEZE > 1" RESTRAIN IF TOTAL WEIGHT OF PIPES ON TRAPEZE > 10 LBS/FT	4
DUCTWORK		6 SQ.FT. AND LARGER	-	6 SQ.FT. AND LARGER	5
MULTIPLE DUCTS ON TRAPEZE		RESTRAIN IF TOTAL WEIGHT OF DUCTS ON TRAPEZE > 10 LBS/FT	4	RESTRAIN IF TOTAL WEIGHT OF DUCTS ON TRAPEZE > 10 LBS/FT	4
COMPONENT CERTIFICATION (SEE NOTE 6)		NOT REQUIRED	6	REQUIRED	6

NOTES:
1. EQUIPMENT 20 LBS. OR LESS IS EXEMPT IF FLEXIBLE CONNECTIONS ARE PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
2. RESTRAINTS ARE NOT REQUIRED IF THE COMPONENT WEIGHS 400 LBS. OR LESS, IS MOUNTED AT 4 FT. OR LESS ABOVE A FLOOR, AND HAS FLEXIBLE CONNECTIONS BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
3. FLEXIBLE CONNECTIONS REQUIRED FOR PIPE CONNECTIONS ONLY.
4. RESTRAINT IS NOT REQUIRED IF THE PIPING / DUCTWORK IS SUPPORTED BY HANGERS AND EACH HANGER IN THE PIPING RUN IS 12 IN. OR LESS IN LENGTH FROM THE TOP OF THE PIPE TO THE SUPPORTING STRUCTURE. WHERE PIPES ARE SUPPORTED ON A TRAPEZE, THE TRAPEZE SHALL BE SUPPORTED BY HANGERS HAVING A LENGTH OF 12 IN. OR LESS. WHERE ROD HANGERS ARE USED, THEY SHALL BE EQUIPPED WITH SWIVELS, EYE NUTS OR OTHER DEVICES TO PREVENT BENDING IN THE ROD.
5. ALL DUCTWORK , REGARDLESS OF SIZE, DESIGNED TO CARRY TOXIC, HIGHLY TOXIC, OR EXPLOSIVE GASES OR USED FOR SMOKE CONTROL MUST BE RESTRAINED.
6. COMPONENT CERTIFICATION MUST BE SUPPLIED BY THE EQUIPMENT MANUFACTURER AT TIME OF SUBMITTAL FOR REVIEW BY ENGINEER OF RECORD.

GENERAL HVAC NOTES

1. THE DRAWINGS SHOW THE GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT, DUCTWORK, PIPING, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE MECHANICAL INSTALLATION W/ THE STRUCTURE AND OTHER TRADES AND SHALL PROVIDE ADDITIONAL OFFSETS AND FITTINGS AS NECESSARY.
2. COORDINATE WORK WITH AUTHORITY HAVING JURISDICTION AND OBTAIN ALL PERMITS AND INSPECTIONS.
3. PROVIDE OWNER WITH CERTIFICATES OF FINAL INSPECTION AND ACCEPTANCE FROM AUTHORITY HAVING JURISDICTION.
4. THE HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS SHALL COMPLY WITH THE THE CODES LISTED ON THIS SHEET AS WELL AS ALL LOCAL CODE OFFICIAL REQUIREMENTS. IN THE EVENT OF A CONFLICT BETWEEN CODES, THE MOST STRINGENT SHALL ALWAYS GOVERN.
5. DUCT DIMENSIONS ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
6. THE CONTRACTOR SHALL CHECK AND VERIFY ALL CLEARANCES PRIOR TO FABRICATION OR INSTALLATION OF EQUIPMENT, DUCTWORK, AND PIPING SYSTEMS. WHERE CONDITIONS REQUIRE A CHANGE IN DUCT OR PIPE ROUTING, NOTIFY THE ARCHITECT FOR AN ACCEPTABLE ALTERNATIVE METHOD. AVOID ROUTING DUCTWORK DIRECTLY OVER LIGHT FIXTURES, DIFFUSERS, AND OTHER CEILING MTD. DEVICES. LOCATE ALL MECHANICAL EQUIPMENT SO THAT FILTERS AND COMPONENTS REQUIRING ACCESS (SERVICE AND MAINTENANCE) ARE FULLY ACCESSIBLE.
7. PROVIDE CURVED RADIUS ELBOW AT FIRST SUPPLY & RETURN FITTING FOR ALL HVAC UNITS. PROVIDE TURNING VANES IN ALL 90 DEGREE ELBOWS IN ALL RECTANGULAR SUPPLY/RETURN/EXHAUST DUCT SYSTEMS. ANY OFFSETS REQUIRED IN DUCT SYSTEMS SHALL BE INSTALLED PER SMACNA 2005 2ND EDITION MANUAL. SHARP ANGLED TRANSITIONS OR OFFSETS 'WILL NOT BE ALLOWED'. PROVIDE DUCT ACCESS DOORS AS REQUIRED.
8. INSTALL ALL DUCT MOUNTED DEVICES (DAMPERS, ACCESS DOORS, ETC.) AND PIPING SPECIALTIES IN EASILY ACCESSIBLE LOCATIONS. ADVISE THE ARCHITECT IN ADVANCE OF INSTALLATION IF ACCESS WILL BE HINDERED SO AN ALTERNATE LOCATION CAN BE SELECTED.
9. ALL DUCT TAKE-OFFS SHALL BE INSTALLED AS SHOWN BY DETAILS ON THE PLANS WITH A MANUAL BALANCING DAMPER AT EVERY TAKE-OFF. WHERE DUCT RUN-OUT SIZE IS NOT SHOWN PROVIDE DUCT SAME SIZE AS GRILLE NECK SIZE. PRE-INSULATED FLEXIBLE DUCT MAY BE USED FOR FINAL CONNECTION TO SUPPLY GRILLES (MAX. LENGTH 5').
10. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH PRESCRIBED CLEARANCES FOR SERVICE AND MAINTENANCE. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IF RECOMMENDED CLEARANCES ARE NOT POSSIBLE BEFORE INSTALLING EQUIPMENT.
11. SEISMIC PROTECTION OF EQUIPMENT, DUCTWORK, PIPING AND UTILITIES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 16 OF THE INTERNATIONAL BUILDING CODE, 2012 EDITION. ALL SEISMIC RESTRAINT AND BRACING SHALL BE SUBSTANTIATED BY MANUFACTURER'S SUBMITTALS PER THE SPECIFICATIONS. FOR ADDITIONAL INFORMATION, SEE 'SEISMIC AND WIND REQUIREMENTS FOR MECHANICAL SYSTEMS' ON THIS SHEET. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF SEISMIC BRACING DEVICES WITH THE OWNER'S SEISMIC SPECIAL INSPECTOR. PROVIDE A MINIMUM OF SEVEN DAYS ADVANCE NOTICE OF INSTALLATION.
12. BALANCE ALL AIR DISTRIBUTION DEVICES, EXHAUST FANS, AND OUTSIDE AIR QUANTITIES AS SCHEDULED OR SHOWN ON THE DRAWINGS. PROVIDE MARKERS AT ALL DAMPER LOCATIONS SHOWING FULL OPEN/CLOSED POSITIONS AND DAMPER SETTING FOR REQUIRED AIRFLOW. PROVIDE FINAL TEST AND BALANCE REPORT ALONG W/ SCHEMATIC DRAWINGS SHOWING DIFFUSER LOCATION W/ DESIGN AND ACTUAL CFM. THE DIFFUSER TAGS ON THE DRAWINGS SHALL CORRESPOND TO THE DIFFUSER TAGS ON THE REPORT. THIS REPORT SHALL BE SUBMITTED BEFORE THE FINAL INSPECTION IS PERFORMED. SEE SPECIFICATIONS FOR FURTHER INFORMATION.
13. ALL CONTROL WIRING, CONDUIT AND CONTROLS ACCESSORIES NECESSARY TO IMPLEMENT THE OUTLINED SEQUENCES OF OPERATION SHALL BE PROVIDED BY THE CONTROLS CONTRACTOR.
14. ALL EXPOSED PIPING AND DUCTWORK SHALL BE PAINTED. COORDINATE W/ ARCHITECTURAL PLANS/SPECIFICATIONS FOR EXPOSED LOCATIONS AND PAINTING REQUIREMENTS.
15. SEE ARCHITECTURAL DOCUMENTS FOR ROOF PENETRATION AND FLASHING REQUIREMENTS.
16. WHERE "APPROXIMATELY" IS USED TO DEFINE INSTALLATION LOCATIONS, CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES TO VERIFY THERE ARE NO CONFLICTS PRIOR TO INSTALLATION AT DIMENSION LISTED.

HVAC SYMBOL LEGEND

X / Y	AIR TERMINAL TAG, X=TYPE MARK, Y=CFM	— — —	COMPONENT TO BE DEMOLISHED
	AIR TERMINAL DIFFUSER (CEILING MOUNTED)	X"x Y"	DUCTWORK (X" = WIDTH, Y" = HEIGHT)
	AIR TERMINAL RETURN GRILLE (CEILING MOUNTED)		TURNING VANES
	SIDEWALL REGISTER / GRILLE		CONDENSING UNIT
T	THERMOSTAT		CEILING MOUNTED EXHAUST FAN
	EQUIPMENT CLEARANCE		PREINSULATED FLEXIBLE DUCT
	FIRE DAMPER		CABLE OPERATED DAMPER
	MANUAL DAMPER		FLEXIBLE DUCT CONNECTION
T	THERMOSTAT (DUCT MOUNTED)	M	MOTORIZED DAMPER
	CONNECTION TO EXISTING SYSTEM		VARIABLE VOLUME TERMINAL UNIT

MECHANICAL CODES & STANDARDS

CODE	DESCRIPTION
IBC (2012)	INTERNATIONAL BUILDING CODE
IECC (2009)	INTERNATIONAL ENERGY CONSERVATION CODE
IMC (2012)	INTERNATIONAL MECHANICAL CODE
NFPA 90A (2009)	STANDARD FOR THE INSTALLATION AIR-CONDITIONING & VENTILATING SYSTEMS
SMACNA	MANUAL FOR THE BALANCING & ADJUSTMENT OF AIR DISTRIBUTION SYSTEMS

MECHANICAL ABBREVIATIONS

ABBR	DESCRIPTION
(E)	EXISTING
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AH	AIR HANDLER
APD	AIR PRESSURE DROP
BOD	BASIS OF DESIGN
BOP	BASIS OF PIPE
CFM	CUBIC FEET PER MINUTE
CU	CONDENSING UNIT
DIA	DIAMETER
DRN	DRAIN
EA	EXHAUST AIR
EF	EXHAUST FAN
EH	ELECTRIC HEATER
ESP	EXTERNAL STATIC PRESSURE
FPM	FEET PER MINUTE
FRPM	FAN ROTATIONS PER MINUTE
FT	FEET
GPM	GALLONS PER MINUTE
HP	HEAT PUMP
HP	HORSEPOWER
IN	INCHES
LAT	LEAVING AIR TEMPERATURE
MBH	THOUSANDS OF BTU'S PER HOUR
MC	MECHANICAL CONTRACTOR
MD	MANUAL DAMPER
NC	NOISE CRITERIA
NO	NORMALLY OPEN
OA	OUTSIDE AIR
PD	PRESSURE DROP
PS	PIPE SUPPORT
RA	RETURN AIR
REFR	REFRIGERANT
RH	RELATIVE HUMIDITY
RPM	ROTATIONS PER MINUTE
SA	SUPPLY AIR
SF	SUPPLY FAN
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UNO	UNLESS OTHERWISE NOTED
VFD	VARIABLE FREQUENCY DRIVE
VNT	VENT
W/	WITH
WMS	WIRE MESH SCREEN
°F	DEGREES FAHRENHEIT

DESIGN CONDITIONS

SUMMER	OUTDOOR: 95F DB / 80F WB
	INDOOR: 75F DB / 50% RH
WINTER	OUTDOOR: 25F DB
	INDOOR: 70F DB / 50% RH

EXHAUST FAN SCHEDULE

UNIT I.D.	CAPACITY CFM	E.S.P. INCHES W.G.	TYPE	FRPM	MAXIMUM SOUND RATING (SONES)	BASIS OF DESIGN	MODEL
EF-1	375	0.25 in-wg	INLINE	1725	4.8	GREENHECK	SQ-90-VG
EF-2	375	0.25 in-wg	INLINE	1725	4.8	GREENHECK	SQ-90-VG
EF-3	150	0.25 in-wg	CABINET	1400	2.5	GREENHECK	SP-A90
EF-4	75	0.25 in-wg	CABINET	700	1.2	GREENHECK	SP-B90
EF-5	75	0.25 in-wg	CABINET	700	1.2	GREENHECK	SP-B90
EF-6	150	0.25 in-wg	CABINET	1400	2.5	GREENHECK	SP-A90
EF-7	150	0.25 in-wg	INLINE	1535	3.3	GREENHECK	SQ-65-VG
EF-8	75	0.25 in-wg	CABINET	700	1.2	GREENHECK	SP-B90
EF-9	75	0.25 in-wg	CABINET	700	1.2	GREENHECK	SP-B90

NOTES:
1. SEE SPECIFICATIONS FOR MORE INFORMATION.
2. SEE ELECTRICAL DRAWINGS FOR VOLTAGE INFORMATION.
3. DIRECT DRIVE FANS SHALL BE SUPPLIED WITH SPEED CONTROLLER.
4. EF-1, 2, 3, 4, & 5 SHALL BE CONTROLLED PROGRAMMABLE TIME CLOCK.
5. EF-6, 7, & 8 SHALL BE TIED INTO LINE VOLTAGE THERMOSTAT IN SPACE.

CEILING FAN SCHEDULE

TAG	DESCRIPTION	FRPM (MAX)	FINISH	BASIS OF DESIGN	MODEL
BAF-1	52" DIAMETER, HIGH VOLUME, LOW SPEED FAN	182	WHITE W/ SILVER TRIM	BIG ASS FANS	HAIKU L SERIES
BAF-2	10' DIAMTER, HIGH VOLUME, LOW SPEED FAN	107	WHITE W/ SILVER TRIM	BIG ASS FANS	ESSENCE

NOTES:
1. SEE ELECTRICAL DRAWINGS FOR VOLTAGE INFORMATION.
2. PROVIDE FANS WITH WALL MOUNTED SPEED CONTROLLER. SEE ELECTRICAL PLANS FOR LOCATION.
3. PROVIDE BAF-2 WITH
4. BAF-2 IS FULLY WET RATED.
5. BAF-1 IS DAMP RATED FOR OUTDOOR COVERED INSTALLATION.

SPLIT SYSTEM VAV AIR HANDLING UNITSCHEDULE

INDOOR UNIT I.D.	OUTDOOR UNIT I.D.	AIR CAPACITY CFM: TOTAL	AIR CAPACITY CFM: O/A (MIN)	E.S.P. INCHES W.G.	HP	COOLING COIL: TOTAL MBH	COOLING COIL: SENS. MBH	ENTERING AIR: D.B. °F	ENTERING AIR: W.B. °F	LEAVING AIR: D.B. °F	LEAVING AIR: W.B. °F	BASIS OF DESIGN	MODEL	OUTDOOR MODEL
AH-1	CU-1	5000	850	2.00 in-wg	7.5	191.3	132.4	80 °F	67 °F	55 °F	54 °F	DAIKIN	DESTINY 001	RCS 001

NOTES:
1. SPLIT SYSTEM SHALL BE PROVIDED WITH MANUFACTURER PROVIDED VARIABLE FREQUENCY DRIVE (VFD) AND INTEGRATED CONTROL PANEL WITH FACTORY PROGRAMMED SEQUENCE OF OPERATIONS FOR VARIABLE AIR VOLUME (VAV) OPERATION. SPLIT SYSTEM SHALL BE COOLING ONY, WITH HEATING CAPABILITIES PROVIDED AT THE VAV TERMINAL UNITS, PROVIDED DURING THE TENANT UPFIT. TEMPERATURE AND HUMIDITY CONTROLLERS SHALL BE PROVIDED DURING THE TENANT UPFIT.
2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. UNIT SHALL BE 208 VOLT 3 PHASE.
4. PROVIDE SEACOAST COATING ON CONDENSER COILS.
5. PROVIDE WITH DRY BULB ECONOMIZER.

LOUVER SCHEDULE

UNIT I.D.	AIR PRESSURE DROP	AIR VELOCITY	CFM	DIMENSION FREE AREA	DIMENSION HEIGHT	DIMENSION WIDTH	SCHEDULE NOTES	BASIS OF DESIGN	MODEL
L-1	0.11 in-wg	794 FPM	4500	5.01 SF	60"	24"	EXHAUST	RUSKIN	ELF6375DXD
L-2	0.09 in-wg	642 FPM	5000	6.71 SF	36"	48"	INTAKE	RUSKIN	ELF6375DXD
L-3	0.08 in-wg	617 FPM	350	0.57 SF	24"	12"	EXHAUST	RUSKIN	EME520DD
L-4	0.09 in-wg	661 FPM	375	0.57 SF	24"	12"	EXHAUST	RUSKIN	EME520DD
L-5	0.09 in-wg	661 FPM	375	0.57 SF	24"	12"	EXHAUST	RUSKIN	EME520DD
L-6	0.09 in-wg	661 FPM	375	0.57 SF	24"	12"	INTAKE	RUSKIN	EME520DD
L-7	0.09 in-wg	661 FPM	375	0.57 SF	24"	12"	INTAKE	RUSKIN	EME520DD
L-8	0.07 in-wg	594 FPM	150	0.25 SF	12"	12"	INTAKE	RUSKIN	EME520DD
L-9	0.07 in-wg	594 FPM	120	0.25 SF	12"	12"	INTAKE	RUSKIN	EME520DD
L-10	0.07 in-wg	594 FPM	150	0.25 SF	12"	12"	EXHAUST	RUSKIN	EME520DD
L-11	0.07 in-wg	594 FPM	120	0.25 SF	12"	12"	EXHAUST	RUSKIN	EME520DD
L-12	0.07 in-wg	594 FPM	150	0.25 SF	12"	12"	INTAKE	RUSKIN	EME520DD
L-13	0.07 in-wg	594 FPM	150	0.25 SF	12"	12"	EXHAUST	RUSKIN	EME520DD
L-14	0.02 in-wg	396 FPM	75	0.25 SF	12"	12"	INTAKE	RUSKIN	EME520DD
L-15	0.02 in-wg	396 FPM	75	0.25 SF	12"	12"	INTAKE	RUSKIN	EME520DD
L-16	0.03 in-wg	396 FPM	75	0.25 SF	12"	12"	EXHAUST	RUSKIN	EME520DD
L-17	0.03 in-wg	396 FPM	75	0.25 SF	12"	12"	EXHAUST	RUSKIN	EME520DD
L-18	0.02 in-wg	396 FPM	75	0.25 SF	12"	12"	INTAKE	RUSKIN	EME520DD
L-19	0.02 in-wg	396 FPM	75	0.25 SF	12"	12"	INTAKE	RUSKIN	EME520DD

NOTES:
1. LOUVERS SHALL BE EXTRUDED ALUMINUM.
2. COORDINATE FINISH WITH ARCHITECT DURING SUBMITTAL PHASE.

DUCTLESS MINI-SPLIT SCHEDULE

INDOOR UNIT I.D.	OUTDOOR UNIT I.D.	AIRFLOW (CFM)	RATED COOLING CAPACITY (MBH)	EAT DB °F	EAT WB °F	RATED HEATING CAPACITY (MBH)	BASIS OF DESIGN	MODEL	OUTDOOR MODEL
AH-2	CU-2	625	22	80 °F	67 °F	-	MITSUBISHI	MSY-GA24NA	MUY-GA24NA
AH-3	CU-3	625	22	80 °F	67 °F	-	MITSUBISHI	MSY-GA24NA	MUY-GA24NA
AH-4	CU-4/5	625	22	80 °F	67 °F	-	DAIKIN	FXAQ24PVJU	RXTQ48TAVJU
AH-5	CU-4/5	625	22	80 °F	67 °F	-	DAIKIN	FXAQ24PVJU	RXTQ48TAVJU
AH-6	HP-6/7	350	12	80 °F	67 °F	12	DAIKIN	FFQ12LVJU	3MXS24NMVJU
AH-7	HP-6/7	350	12	80 °F	67 °F	12	DAIKIN	FFQ12LVJU	3MXS24NMVJU

NOTES:
1. SEE SPECIFICATIONS FOR MORE INFORMATION.
2. SEE ELECTRICAL DRAWINGS FOR VOLTAGE INFORMATION.
3. PROVIDE SEACOAST COATING ON CONDENSER COILS.

ELECTRIC HEATER SCHEDULE

UNIT I.D.	CAPACITY	DESCRIPTION	REMARKS	BASIS OF DESIGN	MODEL	NOTES
EH-4	5 KW	-	UNIT HEATER	MARKEL	F2F5105N	1, 2, 3, 4
IRH-1	1536 BTUH	42"	RADIANT INFRARED HEATER, SURFACE MOUNT	MARKEL	CV45YX	1, 2, 4, 5
IRH-2	1536 BTUH	42"	RADIANT INFRARED HEATER, SURFACE MOUNT	MARKEL	CV45YX	1, 2, 4, 5
IRH-3	1536 BTUH	42"	RADIANT INFRARED HEATER, SURFACE MOUNT	MARKEL	CV45YX	1, 2, 4, 5
IRH-4	1536 BTUH	42"	RADIANT INFRARED HEATER, SURFACE MOUNT	MARKEL	CV45YX	1, 2, 4, 5
IRH-5	1536 BTUH	42"	RADIANT INFRARED HEATER, SURFACE MOUNT	MARKEL	CV45YX	1, 2, 4, 5
IRH-6	1536 BTUH	42"	RADIANT INFRARED HEATER, SURFACE MOUNT	MARKEL	CV45YX	1, 2, 4, 5
IRH-7	1536 BTUH	42"	RADIANT INFRARED HEATER, SURFACE MOUNT	MARKEL	CV45YX	1, 2, 4, 5
IRH-8	1536 BTUH	42"	RADIANT INFRARED HEATER, SURFACE MOUNT	MARKEL	CV45YX	1, 2, 4, 5
UH-1	3 KW	-	UNIT HEATER, CEILING RECESSED	MARKEL	HF3386D-RP	1, 2, 4, 5
UH-2	3 KW	-	UNIT HEATER, CEILING RECESSED	MARKEL	HF3386D-RP	1, 2, 4, 5
UH-3	3 KW	-	UNIT HEATER, CEILING RECESSED	MARKEL	HF3386D-RP	1, 2, 4, 5
UH-4	3 KW	-	UNIT HEATER, CEILING RECESSED	MARKEL	HF3386D-RP	1, 2, 4, 5

NOTES:
1. SEE ELECTRICAL DRAWINGS FOR VOLTAGE INFORMATION.
2. FURNISH WITH MANUFACTURER PROVIDED SUPPORT BRACKET.
3. FURNISH WITH INTEGRAL THERMOSTAT.
4. FURNISH WITH INTEGRAL POWER DISCONNECT SWITCH.
5. FURNISH WITH LINE VOLTAGE THERMOSTAT. SEE DRAWINGS FOR LOCATION.

AIR DISTRIBUTION SCHEDULE

TYPE MARK	DESCRIPTION	FACE SIZE: W	FACE SIZE: H OR Ø	NECK SIZE: W	NECK SIZE: H OR Ø	BASIS OF DESIGN	MODEL
PD106	PLAQUE FACE DIFFUSER	12"	12"	0"	6"	PRICE	ASPD
PD108	PLAQUE FACE DIFFUSER	12"	12"	0"	8"	PRICE	ASPD
Supply Air							

NOTES:
1. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES.
2. COORDINATE MOUNTING TYPE AND ACCESSORIES WITH ARCHITECTURAL CEILING GRID.
3. COORDINATE AIR DISTRIBUTION LOCATIONS WITH ALL OTHER TRADES.
4. AIR DISTRIBUTION TO BE ALUMINUM CONSTRUCTION WITH BAKED ENAMEL "WHITE" FINISH UNLESS NOTED OTHERWISE.
5. SURFACE MOUNTED AIR DISTRIBUTION DEVICES SHALL BE MOUNTED WITHOUT VISIBLE FASTENERS.
6. ALL CEILING DIFFUSERS SHALL BE 4-WAY BLOW UNLESS NOTED OTHERWISE.

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY: EAG
CHECKED BY: MAU

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PROFESSIONAL STAMPS:

#	REVISION	DATE	BY
2	ADDENDUM 2	07/29/16	
3	ADDENDUM 3	08/05/16	

DATE 06/30/2016
PROJECT NUMBER 01-16002
SHEET TITLE HVAC - NOTES & LEGENDS

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DWG Project No. 15008-00

SHEET NUMBER
M0.001

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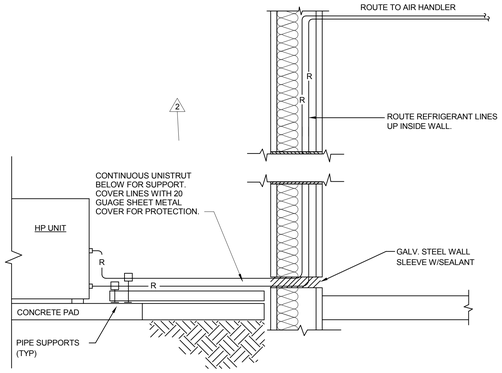
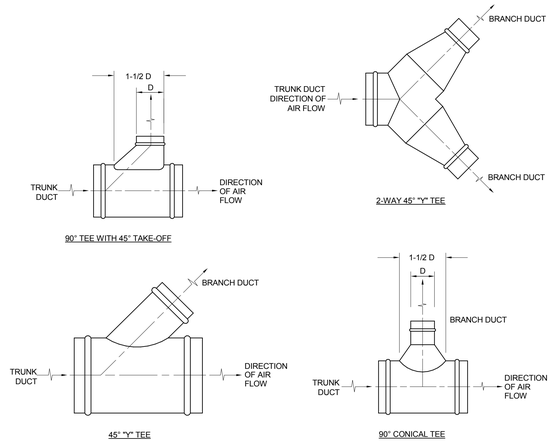


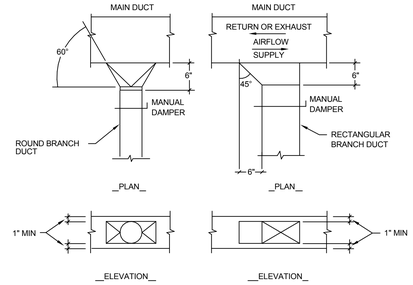
NOTES:

1. ALL PIPING SHALL BE HARD DRAWN COPPER TUBING WITH SOLDERED JOINTS.
2. SUCTION LINE INSULATION OUTDOORS SHALL BE PAINTED WITH A WEATHERPROOF COATING.

1 M0.002 HEAT PUMP INSTALLATION DETAIL
NOT TO SCALE



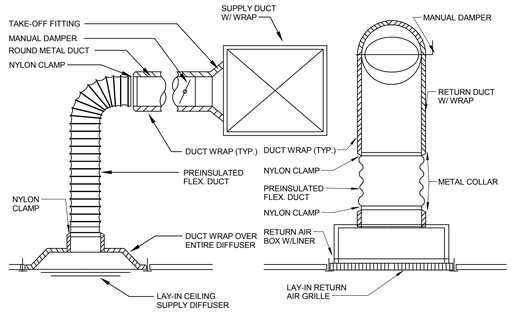
2 M0.002 ROUND DUCT BRANCH TAKE OFF DETAIL
NOT TO SCALE



NOTES:

1. CONTRACTOR MAY SUBSTITUTE A MANUFACTURED FITTING FOR THE DETAILED TAKE-OFF ABOVE.
2. TAKE-OFFS IN MEDIUM PRESSURE DUCT SHALL HAVE AN OVERSIZED INTAKE.
3. SPIN-IN FITTINGS WITH INTEGRAL SCOOP AND DAMPER SHALL ONLY BE USED ON LOW PRESSURE DUCT.
4. FITTINGS SHALL BE SCREWED TO THE TRUNK DUCT AND SEALED WITH MASTIC. MASTIC TAPE IS NOT ACCEPTABLE. SEE SPECIFICATIONS.

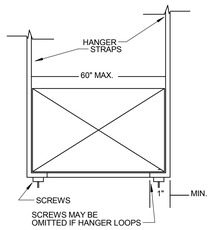
3 M0.002 TYPICAL DUCT TAKE OFF INSTALLATION DETAIL
NOT TO SCALE



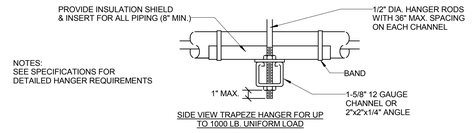
NOTES:

1. INSTALL NYLON CLAMPS ON INNER FLEX DUCT LINER AND OUTER JACKET. TAPE ENDS OF PREINSULATED FLEX. DUCT AT THE DIFFUSER AND THE BRANCH DUCT CONNECTION.
2. RETURN AIR BOX SHALL BE MINIMUM 12" HIGH. RETURN DUCT MAY TAP INTO THE SIDE OF THE BOX A MINIMUM OF 6" ABOVE GRILLE.
3. PROVIDE YOUNG REGULATOR REMOTE DAMPER CONTROLLER FOR EACH DIFFUSER AND GRILLE LOCATED IN AREAS WITH INACCESSIBLE CEILINGS. LOCATE CONTROLLER IN A CONCEALED, ACCESSIBLE LOCATION.

4 M0.002 TYPICAL DIFFUSER/GRILLE INSTALLATION DETAIL
NOT TO SCALE



MAXIMUM PIPE/TUBING SUPPORT SPACING											
NOM. SIZE	IN.	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8
PIPE	FT.	7	7	7	9	10	11	12	14	16	17	19
TUBING	FT.	5 FT	6	7	8	8	9	10	12	13	14	16
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.												



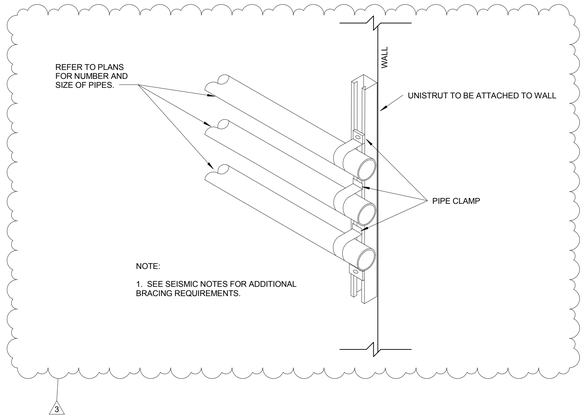
NOTES:
SEE SPECIFICATIONS FOR DETAILED HANGER REQUIREMENTS

SIDE VIEW TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

TABLE 4-1 RECTANGULAR DUCT HANGERS MINIMUM SIZE								
MAXIMUM HALF OF DUCT PERIMETER P/2= 30"	PAIR AT 10 FT. SPACING		PAIR AT 8 FT. SPACING		PAIR AT 5 FT. SPACING		PAIR AT 4FT. SPACING	
	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD
P/2= 72"	1" X 22 GA.	10 GA. (.135")	1" X 22 GA.	10 GA. (.135")	1" X 22 GA.	12 GA. (.106")	1" X 22 GA.	12 GA. (.106")
P/2= 96"	1" X 18 GA.	3/8"	1" X 20 GA.	1/4"	1" X 22 GA.	1/4"	1" X 22 GA.	1/4"
P/2= 120"	1" X 18 GA.	3/8"	1" X 18 GA.	3/8"	1" X 20 GA.	3/8"	1" X 22 GA.	1/4"
P/2= 168"	1-1/2"X16GA.	1/2"	1" X 16 GA.	3/8"	1" X 18 GA.	3/8"	1" X 20 GA.	1/4"
P/2= 192"	1-1/2"X16GA.	1/2"	1-1/2"X16GA.	1/2"	1" X 16 GA.	3/8"	1" X 18 GA.	3/8"
P/2= 192"	NOT GIVEN	1/2"	1-1/2"X16GA.	1/2"	1" X 16 GA.	3/8"	1" X 16 GA.	3/8"
P/2=193" UP	SPECIAL ANALYSIS REQUIRED							

WHEN STRAPS ARE LAP JOINED USE THESE MINIMUM FASTENERS	SINGLE HANGER MAXIMUM ALLOWABLE LOAD	
	STRAP	WIRE OR ROD (DIA.)
1" X 18,20,22 GA. - TWO #10 OR ONE 1/4" BOLT 1" X 16 GA. - TWO 1/4" DIA. 1-1/2" X 16 GA. -TWO 3/8" DIA. PLACE FASTENERS IN SERIES, NOT SIDE BY SIDE.	1" X 22 GA. - 260 LBS. 1" X 20 GA. - 320 LBS. 1" X 18 GA. - 420 LBS. 1" X 16 GA. - 700 LBS. 1-1/2 " X 16 GA. - 1100 LBS.	1/4"-270 LBS. 3/8"-680 LBS. 1/2"-1250 LBS. 5/8"-2000 LBS. 3/4"-3000 LBS.

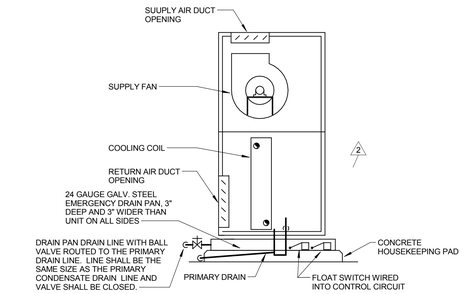
5 M0.002 SUPPORT DETAIL
NOT TO SCALE



NOTE:

1. SEE SEISMIC NOTES FOR ADDITIONAL BRACING REQUIREMENTS.

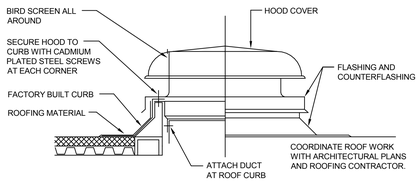
6 M0.002 MECHANICAL PIPE SUPPORT DETAIL
NOT TO SCALE



NOTES:

1. ROUTE INSULATED DRAIN LINES TO NEARBY EXISTING FLOOR DRAIN AS SHOWN ON DRAWINGS. ALL DRAIN LINES SHALL SLOPE AT LEAST 1" PER 10 FT. CONTINUOUSLY. SEE DRAIN P-TRAP INSTALLATION DETAIL FOR ADDITIONAL INFORMATION.
2. SMOKE DETECTOR (REUSE EXISTING AS NOTED ON DRAWINGS) SHALL BE INSTALLED IN THE DUCT BY THE MECHANICAL CONTRACTOR AS SHOWN ON THE DRAWINGS. SMOKE DETECTOR SHALL BE WIRED (BY THE MECHANICAL CONTRACTOR) TO SHUT DOWN THE SUPPLY FAN UPON SENSING SMOKE. SMOKE DETECTOR SHALL BE WIRED TO THE BUILDING FIRE ALARM SYSTEM BY THE ELECTRICAL CONTRACTOR.

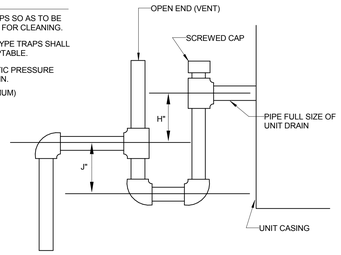
8 M0.002 VERTICAL AHU INSTALLATION DETAIL
NOT TO SCALE



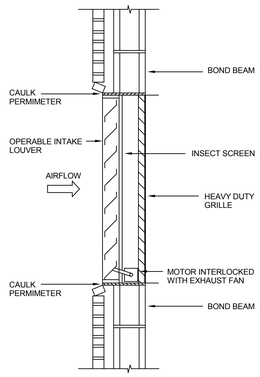
7 M0.002 EXHAUST HOOD INSTALLATION DETAIL
NOT TO SCALE

NOTES:

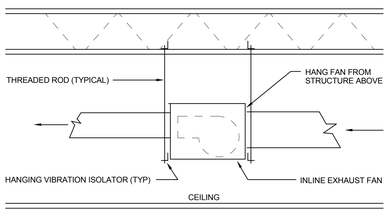
1. LOCATE TRAPS SO AS TO BE ACCESSIBLE FOR CLEANING.
2. "RUNNING" TYPE TRAPS SHALL BE UNACCEPTABLE.
3. H = FAN STATIC PRESSURE (IN. W.C.) + 1 IN.
4. J = H/2 (MINIMUM)



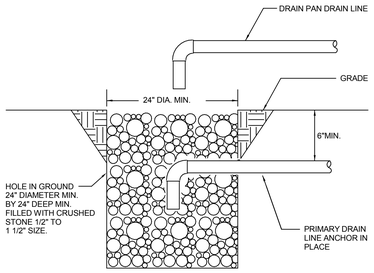
9 M0.002 CONDENSATE DRAIN TRAP INSTALLATION DETAIL
NOT TO SCALE



10 M0.002 INTAKE LOUVER INSTALLATION DETAIL
NOT TO SCALE



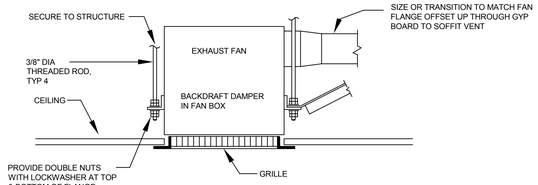
11 M0.002 IN-LINE EXHAUST INSTALLATION DETAIL1
NOT TO SCALE



NOTES:

1. COVER WITH LANDSCAPE AFTER INSPECTION IS COMPLETED.
2. CONTRACTOR SHALL VERIFY THAT THE PRIMARY CONDENSATE DRAIN LINE IS IN WORKING ORDER BY RUNNING WATER DOWN THRU THE DRAIN LINE FROM THE POINT OF THE COIL CONNECTION PRIOR TO BURIAL.
3. PRIMARY CONDENSATE SHALL BE ROUTED BELOW GROUND TO DRAIN PIT AS SHOWN.
4. DRAIN PAN DRAIN LINE SHALL TERMINATE 6" ABOVE FINISHED GRADE OVER TOP OF THE DRAIN PIT.

12 M0.002 DRAIN PIT DETAIL
NOT TO SCALE



13 M0.002 TYPICAL EXHAUST FAN DETAIL
NOT TO SCALE

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS FOR
COLIGNY PARK
Hilton Head Island, South Carolina

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2	ADDENDUM 2	07/29/16	
3	ADDENDUM 3	08/05/16	

DATE
06/30/2016
PROJECT NUMBER
01-16002
SHEET TITLE
HVAC DETAILS

DWG CONSULTING ENGINEERS
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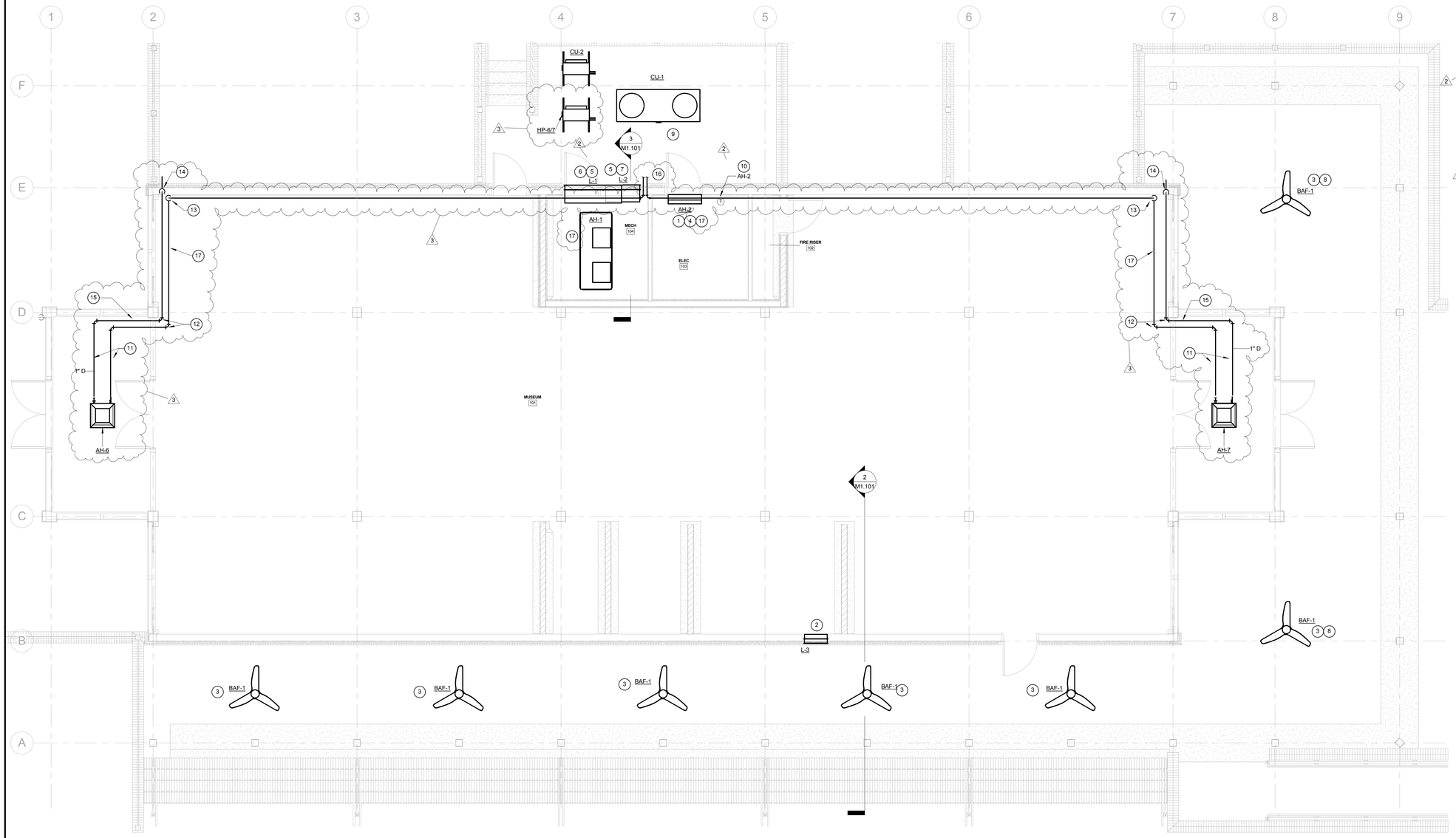
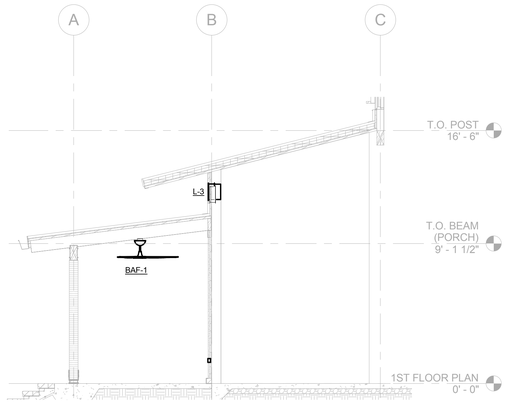
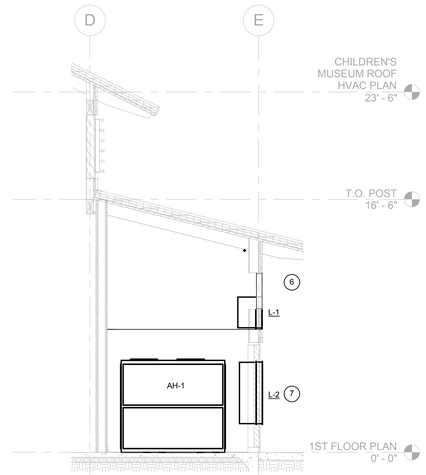


1 M1.101 CHILDREN'S MUSEUM HVAC PLAN
SCALE: 1/4" = 1'-0"



2 M1.101 EXHAUST DUCT SECTION
SCALE: 1/4" = 1'-0"



3 M1.101 AHU-1 SECTION
SCALE: 1/4" = 1'-0"

KEY NOTES

1. TERMINATE CONDENSATE LINES FOR AH-2 AT FLOOR DRAIN IN MECHANICAL ROOM. PROVIDE CONDENSATE PUMP.
2. SIDEWALL LOUVER ABOVE LOW ROOF. SEE SECTION.
3. FAN SHALL BE 52" HAIKU L-SERIES BIG ASS FAN RATED FOR OUTDOOR COVERED USE. FAN SHALL BE MOUNTED SO THAT THE BLADES ARE 9' - 0" AFF. PROVIDE FANS WITH WALL MOUNTED SPEED CONTROLLER. SEE ELECTRICAL PLANS FOR LOCATION.
4. MOUNT AIR HANDLER ABOVE DOOR.
5. PROVIDE INSULATED PLENUM ON BACK OF LOUVER FOR FUTURE DUCT CONNECTION.
6. MOUNT LOUVER ABOVE DOOR AT 11'-0" AFF. SEE SECTION.
7. MOUNT LOUVER BESIDE DOOR.
8. MOUNT FAN ON BOTTOM OF 6"x16" GIRDER.
9. COVER REFRIGERANT LINES WITH 20 GUAGE SHEET METAL FOR PROTECTION, AND SUPPORT ON CONTINUOUS UNSITRUT. SEE DETAIL.
10. THERMOSTAT SHALL BE LOCATED ON ISOLATION BASE SO AS NOT TO BE AFFECTED BY TEMPERATURE CONDUCTION THROUGH WALL.
11. ROUTE REFRIGERANT AND CONDENSATE LINES AT 10-8" AFF ABOVE VESTIBULE.
12. DROP REFRIGERANT AND CONDENSATE LINES TO 10' - 7 1/2" AFF IN SOFFIT. SEE ARCHITECTURAL PLANS.
13. RAISE REFRIGERANT LINES TO 13' - 2" AFF IN SOFFIT AT TOP OF WALL. SEE ARCHITECTURAL PLANS.
14. ROUTE CONDENSATE LINE DOWN INSIDE WALL AND DISCHARGE INTO A DRAIN PIT ON GRADE. SEE DETAIL.
15. PROVIDE A CONDENSATE PUMP.
16. TO HP-6/7.
17. REFRIGERANT LINES ARE SHOWN DIAGRAMTICALLY. SIZE AND INSTALL REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS BASED ON CHANGE IN CEILING HEIGHT AND LENGTH OF RUN. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL PLANS.

GENERAL NOTES

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

DRAWN BY:
EAG

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MAU

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