



The Town of Hilton Head Island  
**Design Review Board Special Meeting**  
**Friday, May 29, 2020 – 9:00 a.m.**  
**AGENDA**

This meeting is being held virtually in accordance with Town Council Emergency Ordinance 2020-11. This meeting is being conducted electronically and recorded. The video record of this meeting will be available on the Town's website (<https://hiltonheadislandsc.gov/>) within 24 hours of occurring.

**1. Call to Order**

**2. FOIA Compliance** – Public notification of this meeting has been published, posted, and distributed in compliance with the South Carolina Freedom of Information Act and the requirements of the Town of Hilton Head Island.

**3. Roll Call**

**4. Approval of Agenda**

**5. Citizen Comments**

**6. New Business**

*a. New Development – Final*

- i. Harris Teeter Fuel Station, DRB-000812-2020
- ii. Fern Iams Restaurant, DRB-000876-2020
- iii. Northridge Plaza Site Improvements & Building Façade Upgrades, DRB-000903-2020

*b. New Development – Conceptual*

- i. Palmetto Bay Lodges, DRB-000901-2020
- ii. Cordillo Tennis Courts Phase 2, DRB-000991-2020

**7. Adjournment**

Public comments concerning agenda items can be submitted electronically via the Town's Virtual Town Hall portal (<https://hiltonheadislandsc.gov/opentownhall/>). Citizens may also call 843-341-4684 to sign up for public comment participation during the meeting by phone. The public comment period will close at **Noon** the day before the scheduled meeting. All comments will be provided to the Board for review and made a part of the official record.



Additional Submittal Requirements:

**Final Approval – Proposed Development**

- A final written narrative describing how the project conforms with the conceptual approval and design review guidelines of Sec. 16-3-106.F.3.
- Final site development plan meeting the requirements of Appendix D: D-6.F.
- Final site lighting and landscaping plans meeting the requirements of Appendix D: D-6.H and D-6.I.
- Final floor plans and elevation drawings (1/8"=1'-0" minimum scale) showing exterior building materials and colors with architectural sections and details to adequately describe the project.
- A color board (11"x17" maximum) containing actual color samples of all exterior finishes, keyed to the elevations, and indicating the manufacturer's name and color designation.
- Any additional information requested by the Design Review Board at the time of concept approval, such as scale model or color renderings, that the Board finds necessary in order to act on a final application.

Additional Submittal Requirements:

**Alterations/Additions**

- \_\_\_\_\_ All of the materials required for final approval of proposed development as listed above, plus the following additional materials.
- \_\_\_\_\_ A survey (1"=30' minimum scale) of property lines, existing topography and the location of trees meeting the tree protection regulations of Sec. 16-6-104.C.2, and if applicable, location of bordering streets, marshes and beaches.
- \_\_\_\_\_ Photographs of existing structure.

Additional Submittal Requirements:

**Signs**

- \_\_\_\_\_ Accurate color rendering of sign showing dimensions, type of lettering, materials and actual color samples.

For freestanding signs:

- \_\_\_\_\_ Site plan (1"=30' minimum scale) showing location of sign in relation to buildings, parking, existing signs, and property lines.
- \_\_\_\_\_ Proposed landscaping plan.

For wall signs:

- \_\_\_\_\_ Photograph or drawing of the building depicting the proposed location of the sign.
- \_\_\_\_\_ Location, fixture type, and wattage of any proposed lighting.


Note: All application items must be received by the deadline date in order to be reviewed by the DRB per LMO Appendix D: D-23.

*A representative for each agenda item is strongly encouraged to attend the meeting.*

**Are there recorded private covenants and/or restrictions that are contrary to, conflict with, or prohibit the proposed request? If yes, a copy of the private covenants and/or restrictions must be submitted with this application. YES NO**

To the best of my knowledge, the information on this application and all additional documentation is true, factual, and complete. I hereby agree to abide by all conditions of any approvals granted by the Town of Hilton Head Island. I understand that such conditions shall apply to the subject property only and are a right or obligation transferable by sale.

I further understand that in the event of a State of Emergency due to a Disaster, the review and approval times set forth in the Land Management Ordinance may be suspended.

  
 \_\_\_\_\_  
 SIGNATURE

04/08/2020  
 \_\_\_\_\_  
 DATE



**THE TOWN OF HILTON HEAD ISLAND  
DESIGN REVIEW BOARD – NOTICE OF ACTION**

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**PROJECT NAME:** Harris Teeter Fuel Station                      **PROJECT #:** DRB-001967-2019  
**PROJECT ADDRESS:** 31 Office Park Road  
**CATEGORY:** New Development – Conceptual  
**ACTION DATE:** January 14, 2020                                      **NOTICE DATE:** January 20, 2020  
**APPLICANT/AGENT:** Jacob Phares, Harris Teeter Properties, LLC  
701 Crestdale Road  
Matthews, NC 28205  
Email: jphares@harristeeter.com

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**On the above meeting date your Application received the following action:**

- APPROVED AS SUBMITTED**  
 **APPROVED WITH THE SPECIFIC CONDITIONS LISTED BELOW**  
 **DENIED**  
 **WITHDRAWN AT THE APPLICANTS REQUEST**

1. The color of the materials such as the metal roof, brick, stucco, etc. shall match the colors of the existing Harris Teeter store.
2. The brick on the vending enclosures shall be brought up to the soffit height to match the brick bases for the canopy.
3. Revise the dumpster gate detail.
4. The Design Review Board approved the conditions as described in the attached Exhibit A – Design Team/DRB Comment Sheet.

**PURSUANT TO LMO 16-2-103-I.7, THIS APPROVAL WILL EXPIRE ONE YEAR FROM THE DATE OF THIS NOTICE UNLESS A DEVELOPMENT PLAN (SEE LMO 16-2-103.G) OR SMALL RESIDENTIAL DEVELOPMENT (SEE LMO 16-2-103.H) IS APPROVED OR, WHERE DEVELOPMENT PLAN REVIEW OR SMALL RESIDENTIAL DEVELOPMENT REVIEW IS NOT REQUIRED, THE APPROVED ACTIVITY IS COMPLETED. YOU HAVE THE RIGHT TO APPEAL THIS DECISION TO CIRCUIT COURT IN ACCORDANCE WITH LMO 16-2-103-I.4.c.ii.**

**NOTICE: APPROVAL BY THE DESIGN REVIEW BOARD MAY NOT CONSTITUTE AUTHORITY TO PROCEED. PLEASE CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT AT 843-341-4757 TO FIND OUT IF OTHER APPROVALS OR PERMITS ARE REQUIRED FROM THE DEVELOPMENT REVIEW AND ZONING, BUILDING, OR ENGINEERING DIVISIONS.**

BY:  \_\_\_\_\_, Urban Designer

## EXHIBIT A

### DESIGN TEAM/DRB COMMENT SHEET

*The comments below are staff recommendations to the Design Review Board (DRB)  
and do NOT constitute DRB approval or denial.*

PROJECT NAME: Harris Teeter Fuel Station

DRB#: DRB-001967-2019

DATE: 01/06/2020

RECOMMENDATION: Approval  Approval with Conditions  Denial

**RECOMMENDED CONDITIONS:**

Given this is a Conceptual Review and the comments and recommendations are with regards to details, Staff recommends approval and suggest that the Comment Sheet be included in the NOA.

<b><i>APPLICATION MATERIAL</i></b>				
DRB REQUIREMENTS	Complies Yes	No	Not Applicable	Comments or Conditions
Dimensioned Details and of Sections	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Provide dimensioned architectural sections.

<b><i>ARCHITECTURAL DESIGN</i></b>				
DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Utilizes natural materials and colors	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	A color board should be provided at the Final DRB review.
Has a strong roof form with enough variety to provide visual interest	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The canopy roof should be a true gabled roof in keeping with the Design Guide and to mimic the roof of the corner tower on Harris Teeter and not a mansard roof.
Forms an details are sufficient to reduce the mass of the structure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Since the ceiling of the canopy is a large part of this site, provide a reflected ceiling plan for the canopy.

				The applicant should refer to the ceiling of the Kroger fuel station as a good example of the ceiling detail of a fuel station canopy.
Human scale is achieved by the use of proper proportions and architectural elements	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See comment above
Utilities and equipment are concealed from view	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Blue Rhino cages should be screened. Staff suggest the applicant consider locating cages adjacent to dumpster enclosure.
Decorative lighting is limited and low wattage and adds to the visual character	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	A lighting plans showing foot-candles, light temperature and fixture specifications / cut sheet should be provided at Final DRB review.
Accessory elements are design to coordinate with the primary structure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<ol style="list-style-type: none"> <li>1. Bollards should match other bollards in the shopping center.</li> <li>2. Only two glass door merchandising units are shown on the elevation and four on the Fixture Plan (sheet C2-3, items E &amp; F).</li> <li>3. Specify waste receptacle color.</li> <li>4. Stainless steel "U" bollard is not in keeping with the Design Guide. Specify a nature blending color.</li> </ol>

<b>LANDSCAPE DESIGN</b>				
<b>DESIGN GUIDE/LMO CRITERIA</b>	<b>Complies Yes</b>	<b>No</b>	<b>Not Applicable</b>	<b>Comments or Conditions</b>
Landscape is designed so that it may be maintained in its natural shape and size	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<ol style="list-style-type: none"> <li>1. Replace Cordgrass with Fakahatchee Grass, it is used elsewhere around Park Plaza.</li> <li>2. Replace Short Leaf Pine (not native to Hilton Head) with Slash Pine (<i>Pinus elliottii</i>) or Long Leaf Pine (<i>Pinus palustris</i>).</li> <li>3. Replace Saw Palmetto with Needle Palm (<i>Rhapidophyllum hystrix</i>).</li> </ol>
Native plants or plants that have historically been prevalent on the Island are utilized	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See above.
The location of existing mature trees is taken into account in placement of shrubs so as not to damage tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	How will the ground surface under existing trees be treated? Consider specifying mulch and showing the mulch line. Landscape plan should extend to the back of curb on the parking lot side.
Proposed groundcovers are evergreen species with low maintenance needs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wild Ginger is not a viable groundcover in a commercial setting. Staff suggest low shrubs or ornamental grasses.

**NATURAL RESOURCE PROTECTION**

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
An effort has been made to preserve existing trees and under story plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Specify one the Tree Protection Plan which trees will receive Pre and Post construction fertilization. Pre-construction fertilization must be completed prior to the pre-clear inspection. Staff suggest the following trees should be included: 29 Live Oak (west corner), 17" Gum and tree cluster (south corner) , tree cluster at Office Park entrance, 17" and 21" Pine (adj. Office Park)
Supplemental and replacement trees meet LMO requirements for size, species and number	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Specify height (10' min.) and caliper (varies) to meet the LMO requirements.

**MISC COMMENTS/QUESTIONS**

1. The proposed sign location conflicts with existing vegetation to remain. Sign and sign location are approved under a separate permit.
2. The tree protection fence shall be wood post with wood rails.



April 13, 2020

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

**Subject: *Harris Teeter Fuel Center #423 – Sea Pines  
Design Review Board Narrative***

Dear Reviewers:

We are submitting the proposed Harris Teeter Fuel Center at Sea Pines for your review. Harris Teeter is proposing to demolish the existing car wash located at 33 Office Park Drive and redevelop the site with a fuel center. This will include 5 fuel pumps (10 fueling positions), a 240 SF kiosk, limited outdoor sales and associated parking and drive aisles. This is outlot parcel II, a section of Park Plaza Shopping Center Sea Pines Plantation.

The goal of this project is to serve the existing Harris Teeter and shopping center customers through cohesive uses. Fuel service is a complimentary use to many of the existing tenants in the Park Plaza Shopping Center.

The Harris Teeter Fuel Center will be designed with similar materials and finishes as the overall shopping center, integrating it well with the surrounding properties. The quality redevelopment and finishes will dramatically improve the appearance of the existing site while keeping as much of the existing vegetation in place through the use of RidgeRock II retaining wall systems. We will not be increasing any impervious area onsite, and brick pavers have been included in our design to achieve this goal.

If you have any questions, please feel free to contact me at the office at 704-409-1812, or via email at [maggie.jones@kimley-horn.com](mailto:maggie.jones@kimley-horn.com)

Sincerely,

***KIMLEY-HORN AND ASSOCIATES, INC.***

A handwritten signature in blue ink that reads "Margaret Jones".

Maggie Jones, P.E.  
Project Manager





April 13, 2020

Town of Hilton Head Island  
Design Review Board  
One Town Center Court  
Hilton Head Island, SC 29928

**Subject:** *Harris Teeter Fuel Center #423 – Sea Pines  
Response to DRB Review Comments*

Dear Reviewers:

We are writing in response to the comments made on the site plans for the Harris Teeter Fuel Center #423 on January 14, 2020.

As requested, this written response letter addresses each review comment and associated updates to the construction drawings.

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**Approved with the specific conditions listed below:**

1. The color of the materials such as the metal roof, brick, stucco, etc. shall match the colors of the existing Harris Teeter store

***Response:** Noted. The colors of the fuel center are matching the Hartford Green metal roof, brick and EIFS used in the existing Harris Teeter grocery store. All materials proposed within the fuel center are within the shopping center.*

2. The brick on the vending enclosures shall be brought up to the soffit height to match the brick bases for the canopy

***Response:** The brick on the vending enclosures have been brought up to match the brick height and EIFS top of the columns and kiosk. Please see the architectural elevations and renderings attached with this resubmittal.*

3. Revise the dumpster gate detail.

***Response:** The dumpster gate has been updated to the Trex, non-grove spice rum colored. Please see Sheet C6-3 Site Details*

4. The Design Review Board approved the conditions as described in the attached Exhibit A – Design Team/DRB Comment Sheet.

***Response:** Noted.*

## Application Material:

1. Provide dimensioned architectural sections.

**Response:** *Dimensioned architectural sections for the kiosk and the canopy have been provided in the Frey-Moss Kiosk Plans and the McGee Canopy Plans that have been attached with this resubmittal.*

## Architectural Design:

1. A color board should be provided at the Final DRB review.

**Response:** *A color board has been included in this submittal.*

2. The canopy roof should be a true gabled roof in keeping with the Design Guide and to mimic the roof of the corner tower on Harris Teeter and not a mansard roof.

**Response:** *The proposed canopy has been revised to incorporate a double pitched roof in order to achieve a true gable in keeping with the Design Guide and existing corner tower.*

3. Since the ceiling of the canopy is a large part of this site, provide a reflected ceiling plan for the canopy. The applicant should refer to the ceiling of the Kroger fuel station as a good example of the ceiling detail of a fuel station canopy.

**Response:** *The canopy ceiling has been updated to reflect additional architectural detail. Please refer to the updated renderings and canopy plans.*

4. Blue Rhino cages should be screened. Staff suggest the applicant consider locating cages adjacent to dumpster enclosure.

**Response:** *A brick enclosure has been added for the Blue Rhino cages. Please see Sheet C2-1 Fuel Station Site Plan. The grades adjacent to the dumpster enclosure are at a 3:1 slope to avoid disturbing the 11" Laurel Oak; therefore, the cages have been placed further away to allow for them to remain on a flatter slope.*

5. A lighting plans showing foot-candles, light temperature and fixture specifications / cut sheet should be provided at Final DRB review.

**Response:** *A lighting plan showing TRC required foot-candles and 3000 K light temperature has been included in this submittal. Lighting specifications have also been provided.*

6. Bollards should match other bollards in the shopping center.

**Response:** *The bollards onsite have been specified to meet the same bollards at the existing Harris Teeter grocery store. Please see Sheet C2-1 Fuel Station Site Plan and Sheet C6-3 Site Details.*

7. Only two glass door merchandising units are shown on the elevation and four on the Fixture Plan (sheet C2-3, items E & F)

**Response:** Sheet C2-3 Fuel Station Fixture Plan has been updated to show the correct 2 glass door merchandising units shown on either side of the kiosk.

8. Specify the waste receptacle color.

**Response:** The waste receptacles on site will be black. Please see Sheet C2-3 Fuel Station Fixture Plan callout J.

9. Stainless steel "U" bollard is not keeping with the Design Guide. Specify a nature blending color.

**Response:** Harris Teeter would still like to propose stainless steel U bollards at this facility. They have seen these proven to maintain better over time in coastal areas.

## Landscape Design:

1. Replace Cordgrass with Fakahatchee Grass, it is used elsewhere around Park Plaza.

**Response:** Cordgrass has been replaced with Fakahatchee Grass. Please see Sheet C5-1 Tree Replacement Plan.

2. Replace Short Leaf Pine (not native to Hilton Head) with Slash Pine (*Pinus elliottii*) or Long Leaf Pine (*Pinus palustris*).

**Response:** Short Leaf Pine has been replaced with Long Leaf Pine. Please see Sheet C5-1 Tree Replacement Plan.

3. Replace saw Palmetto with Needle Palm (*Rhapidophyllum hystrix*)

**Response:** Saw Palmetto has been replaced with Needle Palm. Please see Sheet C5-1 Tree Replacement Plan.

4. How will the ground surface under existing trees be treated? Consider specifying mulch and showing the mulch line. Landscape plan should extend to the back of the curb on the parking lot side.

**Response:** Mulch ground cover has been specified for the proposed trees. The mulch line has been revised to extend to the back of the curb on the parking lot side. Please see Sheet C5-1 Tree Replacement Plan.

5. Wild Ginger is not a viable groundcover in a commercial setting. Staff suggest low shrubs or ornamental grasses.

**Response:** Noted. Fakahatchee Grass has been added to replace wild ginger. Please see Sheet C5-1 Tree Replacement Plan

## Natural Resource Protection:

1. Specify on the Tree Protection Plan which trees will receive Pre and Post construction fertilization. Pre-construction fertilization must be completed prior to the pre-clear inspection. Staff suggest the following trees should be included: 29 Live Oak (west corner), 17" Gum and tree cluster (south corner), tree cluster at Office Park entrance, 17" and 21" Pine (adj. Office Park)

**Response:** *Pre-construction fertilization and post construction fertilization have been specified for the requested trees. Please see Sheets C5-0 Tree Protection Plan and C5-1 Tree Replacement Plan.*

2. Specify height (10' min.) and caliper (varies) to meet the LMO requirements.

**Response:** *The minimum height and caliper for each tree has been added to Sheet C5-1 Tree Replacement Plan.*

## Misc. Comments / Questions

1. The proposed sign location conflicts with existing vegetation to remain. Sign and sign location are approved under a separate permit.

**Response:** *Noted. The sign has been relocated further away from existing vegetation. Signage will be approved under a separate permit.*

2. The tree protection fence shall be wood post with wood rails.

**Response:** *A tree protection fence with wood post and wood rails has been specified for this project. Please see Sheet C6-0 Erosion Control and Landscaping Details.*

If you have any questions, please feel free to contact me at the office at 704-409-1812, or via email at [maggie.jones@kimley-horn.com](mailto:maggie.jones@kimley-horn.com)

Sincerely,

**KIMLEY-HORN AND ASSOCIATES, INC.**



Maggie Jones, P.E.



May 4, 2020

Town of Hilton Head Island  
Design Review Board  
One Town Center Court  
Hilton Head Island, SC 29928

**Subject:** *Harris Teeter Fuel Center #423 – Sea Pines  
Response to DRB Review Comments*

Dear Reviewers:

We are writing in response to the comments made on the site plans for the Harris Teeter Fuel Center #423 on April 30<sup>th</sup>, 2020.

As requested, this written response letter addresses each review comment and associated updates to the construction drawings.

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#### **Application Material:**

1. Dimensioned Details and of Sections. Provide a wall section of the kiosk.

***Response:** Please see attached for updated kiosk package including wall section.*

#### **Architectural Design:**

1. Utilize natural materials and colors. Provide a physical color board for Final DRB Review.

***Response:** Brick, standing seam and EIFS Dryvit physical samples will be delivered directly to Chris Darnell at the Town of Hilton Head office.*

2. Forms and details are sufficient to reduce the mass of the structure. It appears sheet 2 of 5 “Roof Plan & Details” includes a ceiling plan. It needs more architectural articulation. Because the ceiling is such a large part of the site it should have some architectural detail to break that plane. Acceptable articulation is shown in the illustrations but needs to be shown in the drawings as well.

***Response:** Please see Sheet 4 of 5 of the attached updated canopy plans with a revised ceiling plan for clarity.*

3. Utilities and equipment are concealed from view. The plans label the Blue Rhino enclosure as a “Phoenix Brick Enclosure” but there is no detail for that structure. Does it match the dumpster enclosure? If so label accordingly or provide detail.

***Response:** Please see attached enclosure details by Plastex.*

4. Decorative lighting is limited and low wattage and adds to the visual character.
  - a. It appears the parking lot light levels exceed the LMO allowed average of 1.5 fc.

**Response:** Please see attached lighting plan, and table indicates the Nonresidential Parking area to be average of 1.33 footcandles.

- b. The proposed light poles and fixtures should match the existing / proposed poles in the Harris Teeter parking lot.

**Response:** Fuel center poles have been updated to match the grocery store poles. Grocery store fixtures will be updated to match the proposed fuel center fixtures. Kimley-Horn will submit application to update fixtures to TRC.

5. Accessory elements are designed to coordinate with the primary structure.
  - a. Provide a detail of the “phoenix Brick Enclosure” in front of the kiosk under the canopy. It appears to be a free standing vending unit in the illustrations.

**Response:** Enclosure plans have been provided. The enclosures will operate as if “attached” to the kiosk. However, the roof is not proposed to be shared due to two concerns. 1) There will be a large opening that will be unoccupied between the top of the merchandiser and the roof line. This will be visually unappealing as well as maintenance issue with potential bird nesting. 2) The roofline of the entire side of the kiosk extending out to cover the merchandisers is a potential hazard for large vehicles to clip the roof while circulating the site. 3) To maintain the true gable roof as requested by the board, this was not feasible.

- b. Stainless steel “U” bollard is not in keeping with the Design Guide. Specify a nature blending color.

**Response:** Harris Teeter would like to proceed with proposing stainless steel u-bollards to the Board for approval.

## Landscape Design:

1. Change the fakahatche grass specification to *Tripsacum floridana* which is the dwarf. *Tripsacum dactyloides* (as specified) can grow 8'+ tall.

**Response:** Please see attached for updated landscape plan.

## Misc. Comments / Questions

1. This application received DRB Conceptual Approval on January 14<sup>th</sup> 2020,

**Response:** Noted.

2. The brick on the vending enclosures shall be brought up to the soffit height to match the brick bases for the canopy per the DRB condition of Conceptual Approval. The vending enclosures are shown in the illustrations but not the elevations drawings.

**Response:** Enclosure drawings have been provided to show that they will include a brick base and EIFS top to match the kiosk elevations.

3. The “freestanding sign foundation” should be approved separately as part of the sign system for this development. The proposed sign location conflicts with existing vegetation to remain. Sign and sign location are approved under a separate permit.

**Response:** Noted.

If you have any questions, please feel free to contact me at the office at 704-409-1812, or via email at [maggie.jones@kimley-horn.com](mailto:maggie.jones@kimley-horn.com)

Sincerely,

**KIMLEY-HORN AND ASSOCIATES, INC.**



Maggie Jones, P.E.

# FINISH MATERIALS



**Roofing**  
 Standing Seam Metal Roof  
 Color: Hartford Green



**Brick**  
 General Shale Brick  
 Phoenix 24-10-143, Modular



**Exterior Insulation and Finish System**  
 Dryvit #442



**Dumpster Gate**  
 Trex Groove Board  
 Color: Spice Rum

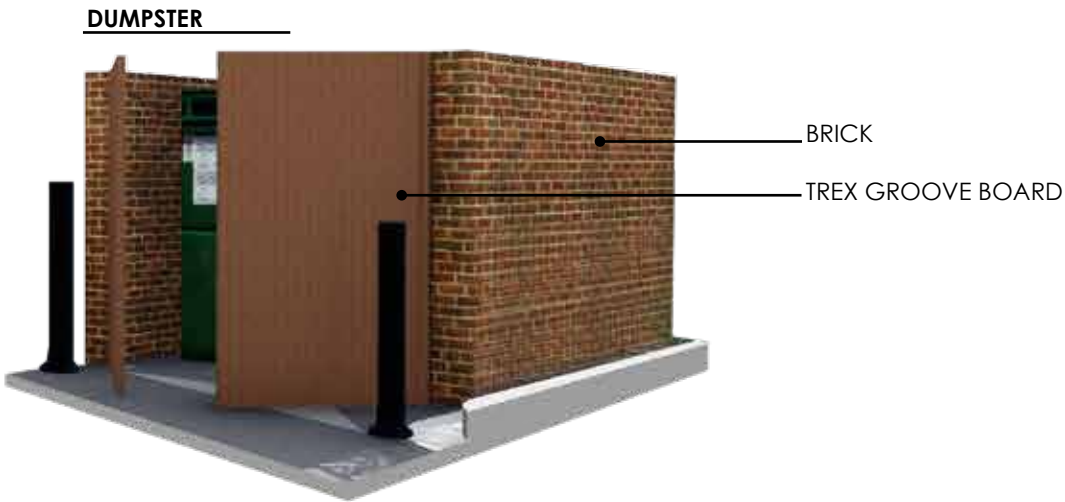






Figure 1: Existing Condition of Site from Office Park Road



Figure 2: Existing Condition of Site from Drive Aisle



Figure 3: Adjacent Harris Teeter Grocery Store



Figure 4: Adjacent Commercial Retail



Figure 5: Adjacent Commercial Retail



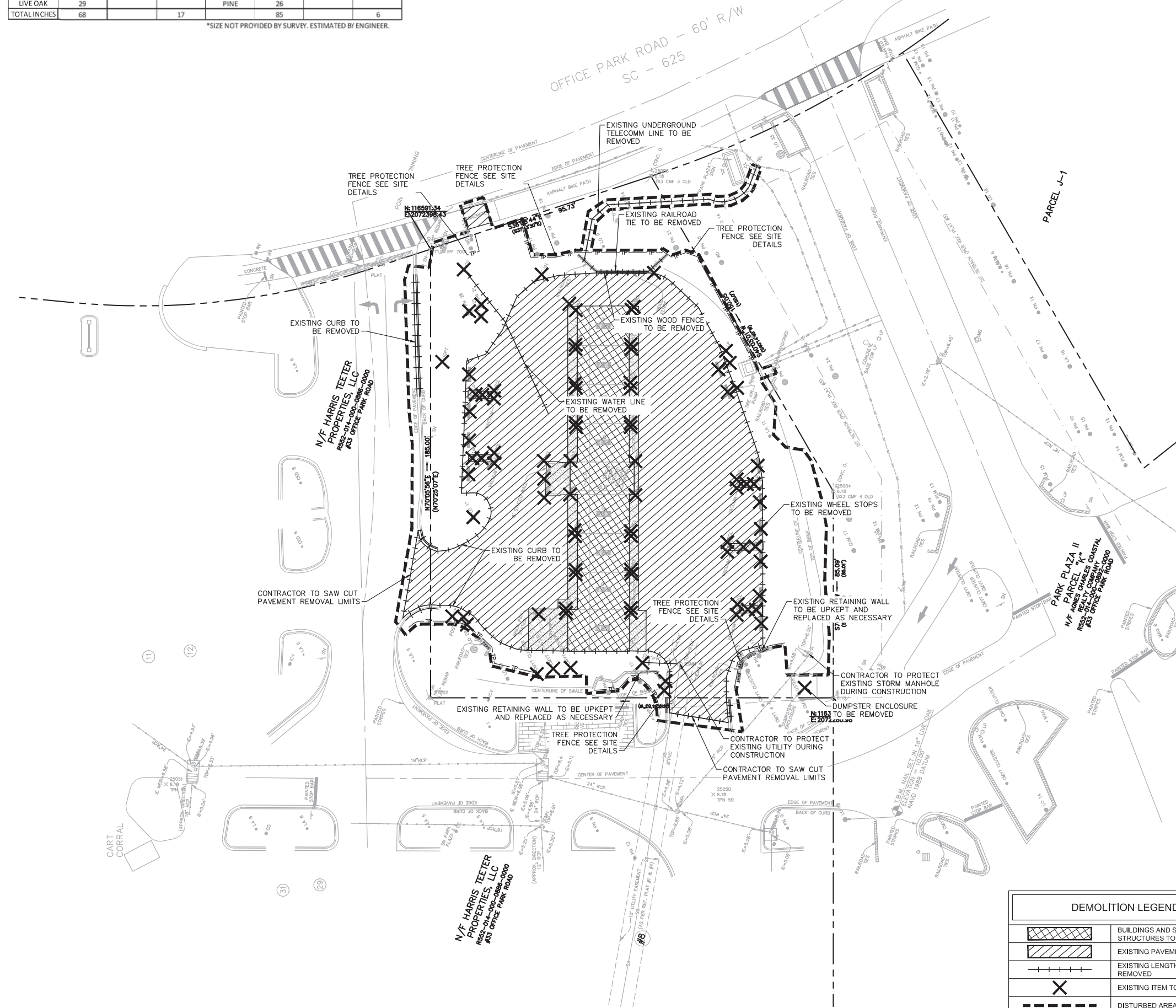
*Figure 6: Adjacent Office Park*



*Figure 6: Adjacent Commercial Retail*

TREE REMOVAL SUMMARY							
CATEGORY 1		CATEGORY 2		CATEGORY 3		CATEGORY 4	
TYPE	SIZE (INCHES)	TYPE	SIZE (INCHES)	TYPE	SIZE (INCHES)	TYPE	SIZE (INCHES)
LIVE OAK	9	SWEET GUM	17	PINE	17	CREPE MYRTLE	2"
LIVE OAK	13			PINE	21	CREPE MYRTLE	2"
LIVE OAK	17			PINE	21	CREPE MYRTLE	2"
LIVE OAK	29			PINE	26	CREPE MYRTLE	2"
TOTAL INCHES	68		17		85		6

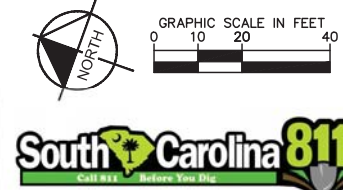
\*SIZE NOT PROVIDED BY SURVEY, ESTIMATED BY ENGINEER.



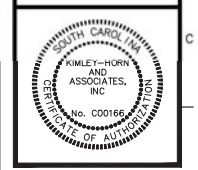
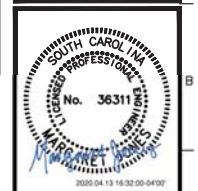
### DEMOLITION PLAN NOTES

- A PRE-CONSTRUCTION MEETING MUST HAPPEN ON SITE BEFORE ANY EROSION CONTROL MEASURES ARE TO BE INSTALLED. THE GC MUST CONTACT THE EROSION CONTROL INSPECTOR TO SET UP THE MEETING.
- THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL EXISTING UTILITIES ON SITE PRIOR TO DEMOLITION.
- INSTALL EROSION AND SEDIMENT CONTROL DEVICES AND TREE PROTECTION PER THE SEQUENCE PRIOR TO BEGINNING DEMOLITION WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) ALL STRUCTURES, PAVS, WALLS, FLUMES, FOUNDATIONS, PARKING DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
- THE CONTRACTOR SHALL PERFORM DEMOLITION ACTIVITIES AS NOTED AND SHOWN ON THESE PLANS AND AS DIRECTED BY THE OWNER.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY PERMITS AND PAY FEES REQUIRED FOR DEMOLITION AND HULL-OFF FROM THE APPROPRIATE AUTHORITIES. THESE FEES SHALL BE INCLUDED WITH THE BID. THE CONTRACTOR SHALL PREPARE ALL DOCUMENTS AND ACQUIRE APPROPRIATE PERMITS AS REQUIRED PRIOR TO THE COMMENCEMENT OF DEMOLITION.
- DEMOLITION IS DEPICTED IN THE DEMOLITION PLAN AND IS INTENDED TO DESCRIBE GENERAL DEMOLITION AND UTILITY WORK. IT IS NOT INTENDED TO IDENTIFY EACH ELEMENT OF DEMOLITION OR RELOCATION. CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE UTILITY COMPANY PRIOR TO WORK.
- CONTRACTOR TO COMPLETELY DEMOLISH AND DISPOSE OFF-SITE IN A LAWFUL MANNER EXISTING BUILDINGS, INCLUDING FOUNDATIONS AND ALL APPURTENANCES LOCATED ON AND AROUND THE PROPERTY INCLUDING BUT NOT LIMITED TO BOLLARDS, GAS METERS, AIR CONDITIONING UNITS, SIGNS, CURBS, SIDEWALKS, ELECTRIC METERS, FENCING, STAIRS, WALLS, FOUNDATIONS, CONDUITS, LIGHT POLE BASES, DEBRIS AND RUBBISH REQUIRING REMOVAL FROM THE WORK AREA, ETC.
- REMOVE AND/OR PLUG EXISTING UTILITIES SUCH AS SANITARY SEWER, WATER, GAS, ELECTRIC, AND TELEPHONE AS SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH UTILITY COMPANY TO COORDINATE REMOVAL OF ALL UTILITIES AND FOR DETERMINING HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL CUT AND PLUG, OR ARRANGE FOR THE APPROPRIATE UTILITY COMPANY TO CUT AND PLUG ALL SERVICE PIPING AT THE STREET LINE OR MAIN, AS REQUIRED, OR AS OTHERWISE NOTED. ALL SERVICES MAY NOT BE SHOWN ON THIS PLAN. THE CONTRACTOR SHALL INVESTIGATE THE SITE PRIOR TO BIDDING TO DETERMINE THE EXTEND OF SERVICE PIPING TO BE REMOVED, CUT OR PLUGGED.
- CONTRACTOR SHALL COORDINATE WITH THE ELECTRIC COMPANY IN THE REMOVAL/RELOCATION OF EXISTING UTILITY POLES AND OVERHEAD POWER LINES.
- THE CONTRACTOR SHALL ARRANGE FOR RESETTING OF CURB BOXES, VALVE BOXES AND REMOVAL AND/OR RELOCATION OF OVERHEAD UTILITIES AND UTILITY POLES WITH THE APPROPRIATE UTILITY COMPANY.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
- ALL EXISTING ITEMS TO REMAIN WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE SOLE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO AVOID UNNECESSARY DAMAGE TO EXISTING ROAD SURFACES.
- FINISHED SURFACES TO BE REMOVED OR DEMOLISHED SHALL BE CUT ALONG LINES OF JOINTS WHICH WILL PERMIT A NEAT SURFACE WHEN RESTORED.
- SAW CUT AT INTERFACE OF PAVEMENT OR CURB TO REMAIN. SAW CUT EXISTING PAVEMENT AT THE RIGHT-OF-WAY. SAW CUTS SHALL BE MADE FULL DEPTH THROUGH THE EXISTING PAVEMENT, DISCARDED PAVEMENT SHALL BE REMOVED WITHOUT UNDERMINING THE EXISTING PAVEMENT.
- CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
- THE CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICES TO THE ADJOINING PROPERTIES THROUGHOUT CONSTRUCTION.
- DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER AND THE LOCAL MUNICIPALITIES. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.
- SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONTRACTOR SHALL CONSULT THE ENGINEER AND OWNER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
- ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIAL CONTRACTOR ONLY AFTER NOTIFICATION OF THE ENGINEER AND AUTHORIZATION TO PROCEED IS GIVEN BY THE OWNER.
- THE CONTRACTOR SHALL PUMP OUT BUILDING FUEL AND WASTE OIL TANKS (IF ANY ARE ENCOUNTERED) AND REMOVE FUEL TO AN APPROVED DISPOSAL AREA BY AN APPROPRIATELY LICENSED WASTE OIL HANDLING CONTRACTOR IN STRICT ACCORDANCE WITH FEDERAL AND STATE REQUIREMENTS ONLY AFTER NOTIFICATION OF THE ENGINEER AND AUTHORIZATION TO PROCEED IS GIVEN BY THE OWNER.
- THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
- THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ON-SITE LOCATIONS OF EXISTING UTILITIES.
- ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE GROUTED.
- ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN THE ANY ROAD RIGHT OF WAY DURING CONSTRUCTION.
- ANY WATER WELLS ENCOUNTERED ARE TO BE BROUGHT TO THE PROJECT ENGINEER ATTENTION IMMEDIATELY AND PROPERLY ABANDONED BY A LICENSED WELL DRILLER.
- ANY SEPTIC SYSTEMS ENCOUNTERED SHALL BE BROUGHT TO THE PROJECT ENGINEER ATTENTION IMMEDIATELY AND SHALL BE PROPERLY DEMOLISHED.
- CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC., (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY THE OWNER.
- SHOULD REMOVAL AND/OR RELOCATION ACTIVITIES DAMAGE FENCING, CART CORRAL, LIGHTING AND/OR STORM INLET STRUCTURES, THE CONTRACTOR SHALL PROVIDE NEW MATERIALS/ STRUCTURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. EXCEPT FOR MATERIALS DESIGNED TO BE RELOCATED ON THIS PLAN, ALL OTHER CONSTRUCTION MATERIALS SHALL BE NEW.
- THIS PLAN DOES NOT PURPORT TO SHOW ALL REQUIRED DEMOLITION. CONTRACTOR SHALL FIELD VERIFY PRIOR TO SUBMITTING BID.

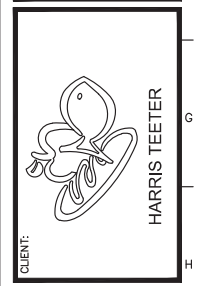
DEMOLITION LEGEND	
	BUILDINGS AND SURROUNDING STRUCTURES TO BE REMOVED
	EXISTING PAVEMENT TO BE REMOVED
	EXISTING LENGTH OF ITEM TO BE REMOVED
	EXISTING ITEM TO BE REMOVED
	DISTURBED AREA



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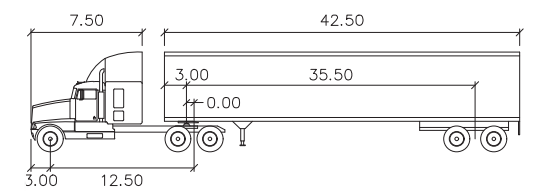
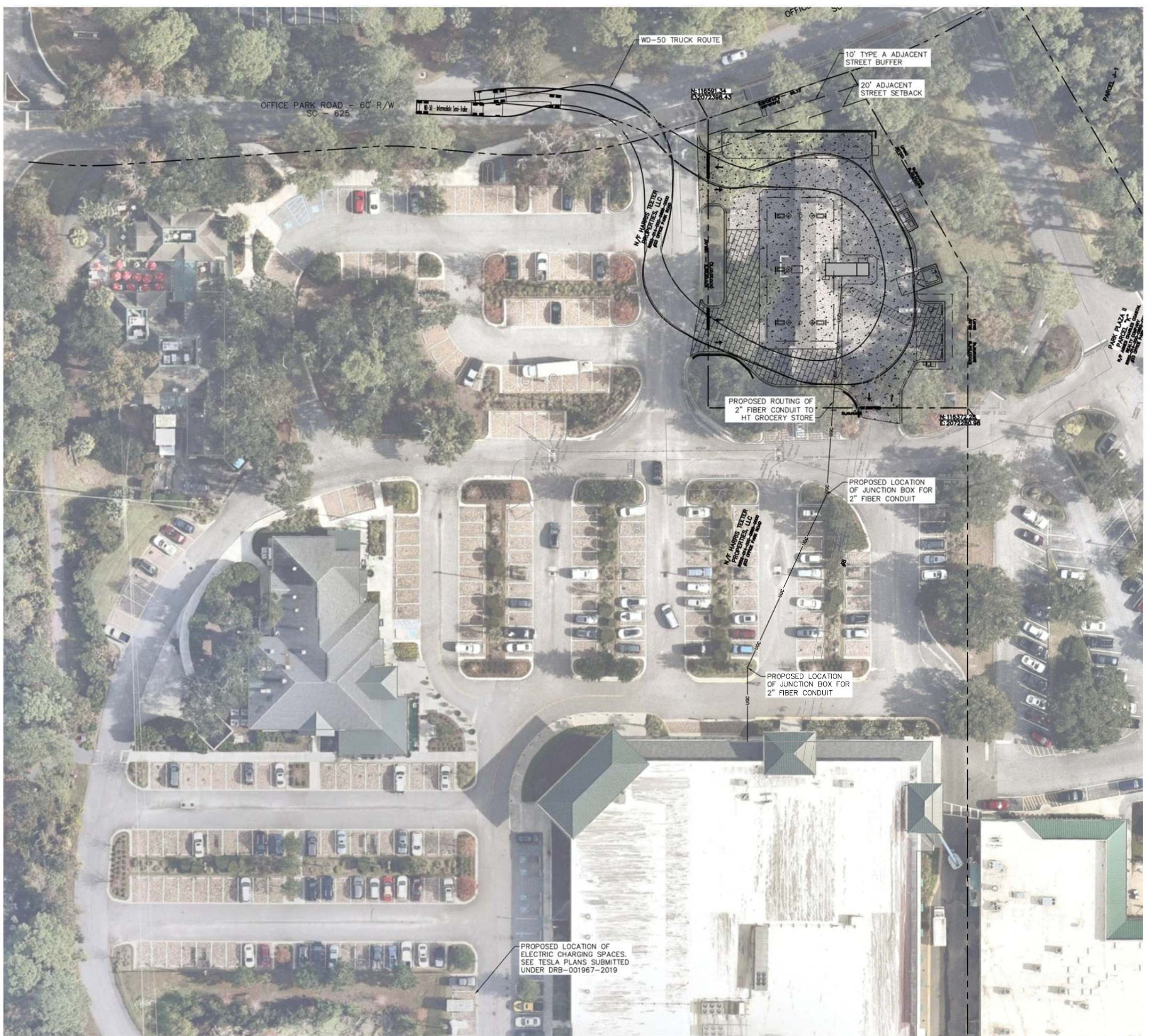


**HARRIS TEETER FUEL CENTER  
 STORE #423 SEA PINES**  
 31 OFFICE PARK ROAD  
 HILTON HEAD ISLAND, SOUTH CAROLINA 29928  
 BEAUFORT COUNTY

DEMOLITION PLAN	
DESIGNED BY:	JRN
DRAWN BY:	JRN
CHECKED BY:	MFJ
DATE:	04/13/2020
PROJECT#:	015640134
TITLE:	DEMOLITION PLAN

April 13, 2020 - 3:07pm By: Megan Fitzsimmons

C:\Users\Megan.Fitzsimmons\Documents\134 sea pines hilton head sc fuel center\02 - DRG\plan sheets\C2-0 OVERALL SITE PLAN-134.dwg



WB-50	feet		
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 17.7
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		

**ZONING CODE SUMMARY**

PROJECT NAME: STORE 423 - SEA PINES  
 CLIENT NAME: HARRIS TEETER, LLC.  
 PHONE#: (704)844-3100  
 PLANS PREPARED BY: KIMLEY-HORN AND ASSOCIATES  
 PHONE#: (704)333-5131  
 TAX PARCEL ID: R552 014 000 0933 0000  
 STREET ADDRESS: 31 OFFICE PARK ROAD  
 HILTON HEAD ISLAND, SOUTH CAROLINA 29928

ZONING: SEA PINES COMMERCIAL  
 PROPOSED USE: FUEL SALES  
 BUILDING HEIGHT: 13'-5"  
 LOT SIZE: 0.68 ACRES (PROPOSED)  
 MINIMUM LOT WIDTH:  
 MINIMUM LOT DEPTH:  
 MAXIMUM BUILDING HEIGHT: 45'  
 JURISDICTION: HILTON HEAD ISLAND  
 YARD REQUIREMENTS:  
 BUILDING SETBACK (ALL SIDES): 20'  
 LANDSCAPE BUFFER (OFFICE PARK ROAD): 10'

**PARKING SUMMARY**

PARKING REQUIREMENT: 1 SPACE PER 200 GFA = 2 SPACES  
 PARKING PROVIDED: 3 SPACES (1 ADA SPACE)

ELECTRICAL CHARGING SPACES REQUIRED: 1 SPACE  
 ELECTRICAL CHARGING SPACES PROVIDED: 8 SPACES

BICYCLE PARKING REQUIRED: 4 BICYCLES/10 PARKING SPACES = 4 SPACES  
 BICYCLE PARKING PROVIDED: 4 BICYCLE SPACES

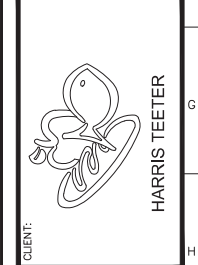
**OPEN SPACE SUMMARY**

PARCEL AREA: 29,448 SF (0.676 ACRES)  
 TOTAL IMPERVIOUS:  
 EXISTING: 17,681 SF (0.406 ACRES) 60.1%  
 PROPOSED: 17,189 SF (0.395 ACRES) 58.4%

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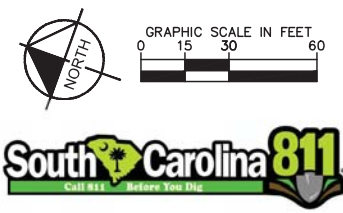


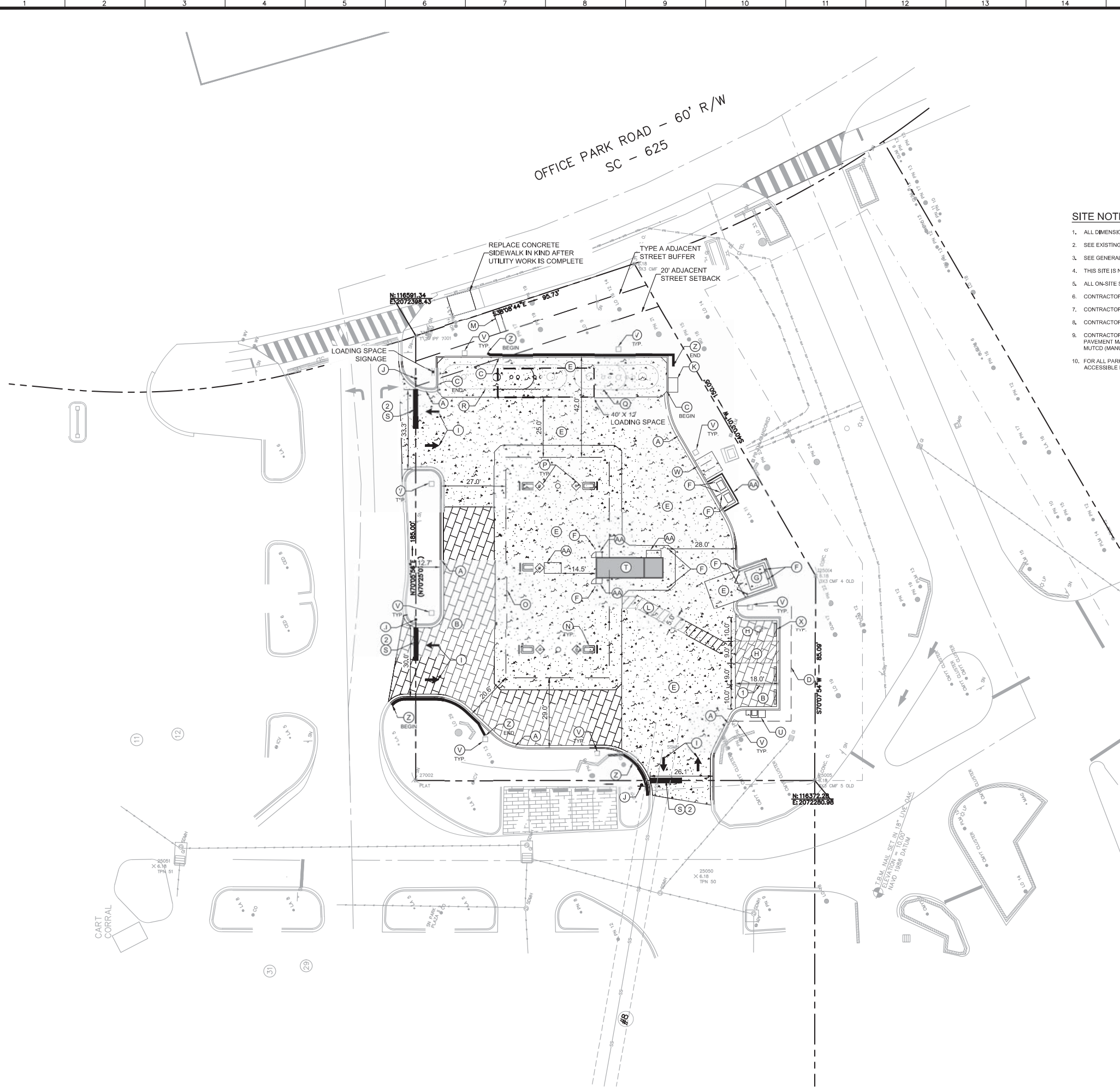
PROJECT: HARRIS TEETER FUEL CENTER  
 STORE #423 SEA PINES  
 31 OFFICE PARK ROAD  
 HILTON HEAD ISLAND, SOUTH CAROLINA 29928  
 BEAUFORT COUNTY

TITLE: OVERALL SITE PLAN

DESIGNED BY: JRN  
 DRAWN BY: JRN  
 CHECKED BY: MFJ  
 DATE: 04/13/2020  
 PROJECT#: 015640134

C2-0





OFFICE PARK ROAD - 60' R/W  
SC - 625

FUEL STATION SITE PLAN LEGEND	
	PROPOSED 18" CURB AND GUTTER
	PROPOSED SITE NOTE
	PROPOSED HEAVY DUTY CONCRETE PAVEMENT
	PROPOSED PERMEABLE PAVERS
	PROPOSED KIOSK
	PROPOSED CANOPY
	PROPOSED UNDERGROUND STORAGE TANK

**SITE NOTES**

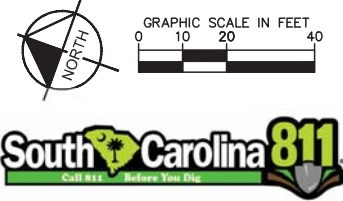
- ALL DIMENSIONS ARE BASED FROM FACE OF CURB TO FACE OF CURB UNLESS OTHERWISE NOTED.
- SEE EXISTING CONDITIONS SHEET FOR COMPLETE BOUNDARY DESCRIPTION, ADJOINING PROPERTIES, ZONING AND USE.
- SEE GENERAL NOTES SHEET FOR SITE PLAN AND ZONING NOTES.
- THIS SITE IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA ACCORDING TO THE INSURANCE RATE MAP, FEMA FIRM PANEL 4502500013D DATED 9/29/1986
- ALL ON-SITE STRIPING IS TO BE SHERWIN-WILLIAMS HOTLINE WITH GLASS BEADS.
- CONTRACTOR SHALL USE MP1 CAULK TO SEAL AROUND KIOSK.
- CONTRACTOR SHALL USE POLYUREA FLOOR SEALANT ON ALL ON SITE CONCRETE.
- CONTRACTOR TO USE SILTANUM FOR ALL TILE IN RESTROOM
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL IN OR ADJACENT TO SCODOT OR CITY ROW. ALL TRAFFIC CONTROL DEVICES, PAVEMENT MARKINGS, SIGNS AND SIGNALS SHALL BE DESIGNED, INSTALLED AND MAINTAINED IN CONFORMANCE WITH THE STANDARDS SET FORTH IN THE MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL.)
- FOR ALL PARKING LOT STRIPING ON ASPHALT, THE FOLLOWING COLOR SCHEME SHALL BE USED: WHITE FOR STANDARD PARKING SPACES, BLUE FOR ACCESSIBLE PARKING SPACES AND ACCESSIBLES, AND YELLOW FOR NO PARKING AREAS.

**SITE LEGEND**

- (A) 18" CONCRETE CURB AND GUTTER TYPICAL (SEE SITE DETAIL SHEET)
- (B) PERMEABLE PAVERS (SEE SITE DETAIL SHEET)
- (C) INTEGRATED CONCRETE CURB (SEE SITE DETAIL SHEET)
- (D) 5' PARKING BUFFER
- (E) HEAVY DUTY CONCRETE PAVEMENT (SEE SITE DETAIL SHEET) SEE NOTE 6 ABOVE
- (F) HIGH GLOSS BLACK RELIANCE FOUNDRY BLACK BOLLARD MODEL R-7571 (SEE SITE DETAIL SHEET)
- (G) DUMPSTER ENCLOSURE WITH GATES (SEE SITE DETAIL SHEET)
- (H) ACCESSIBLE PARKING SPACE TYPICAL. SEE SITE DETAIL SHEET FOR ACCESSIBLE PARKING SPACE SIZE AND SIGN ("VAN"-INDICATES VAN ACCESSIBLE SPACE)
- (I) PAINTED DIRECTIONAL ARROW, TYPICAL (SEE SITE DETAIL SHEET)
- (J) "STOP" SIGN. (SEE SITE DETAIL SHEET)
- (K) 4' x 6' CONCRETE PAD FOR VENT STACKS. VENT STACKS SHALL BE PAINTED BRONZE TO MATCH SITE LIGHTING POLES. (SEE UNDERGROUND STORAGE TANK PLANS BY GALLOWAY)
- (L) ADA PEDESTRIAN CROSSWALK (SEE SITE DETAIL SHEET)
- (M) MONUMENT SIGN (SEE SITE SIGNAGE PLANS BY CASCO SIGNS)
- (N) DISPENSER (SEE UNDERGROUND STORAGE TANK PLANS BY GALLOWAY)
- (O) OVERHEAD CANOPY (SEE CANOPY AND CANOPY LIGHTING PLANS BY BORDER STATES ELECTRIC)
- (P) CANOPY COLUMN (SEE CANOPY COLUMN BRICK MASONRY WRAP SHEET)
- (Q) 18,000 GALLON SPLIT FUEL TANK (10,000 DIESEL AND 8,000 ETHANOL FREE) (SEE UNDERGROUND STORAGE TANK PLANS BY GALLOWAY)
- (R) 28,000 GALLON FUEL TANK (20,000 REGULAR AND 8,000 PREMIUM) (SEE UNDERGROUND STORAGE TANK PLANS BY GALLOWAY)
- (S) STOP BAR (SEE SITE DETAIL SHEET)
- (T) KIOSK (SEE KIOSK PLANS BY FREY MOSS STRUCTURES)
- (U) 8' X 3' CONCRETE PAD FOR TRASH CAN, YARD HYDRANT, AND AIR/VAC LIGHT POLE BASE (SEE STRUCTURAL SHEETS)
- (V) BICYCLE PARKING (SEE SITE DETAIL SHEET)
- (W) WHEEL STOP (SEE SITE DETAIL SHEET)
- (X) BRICK WALL (GO TO DESIGN/BUILD PER GRADING PLAN SEE HT BRICK SCHEDULE FOR TYPE AND COLOR)
- (Y) PHOENIX BRICK ENCLOSURE

**STRIPING LEGEND**

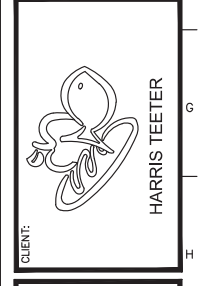
- (1) SINGLE WHITE SOLID LINE / 4" WIDE
- (2) SINGLE WHITE SOLID LINE / 24" WIDE



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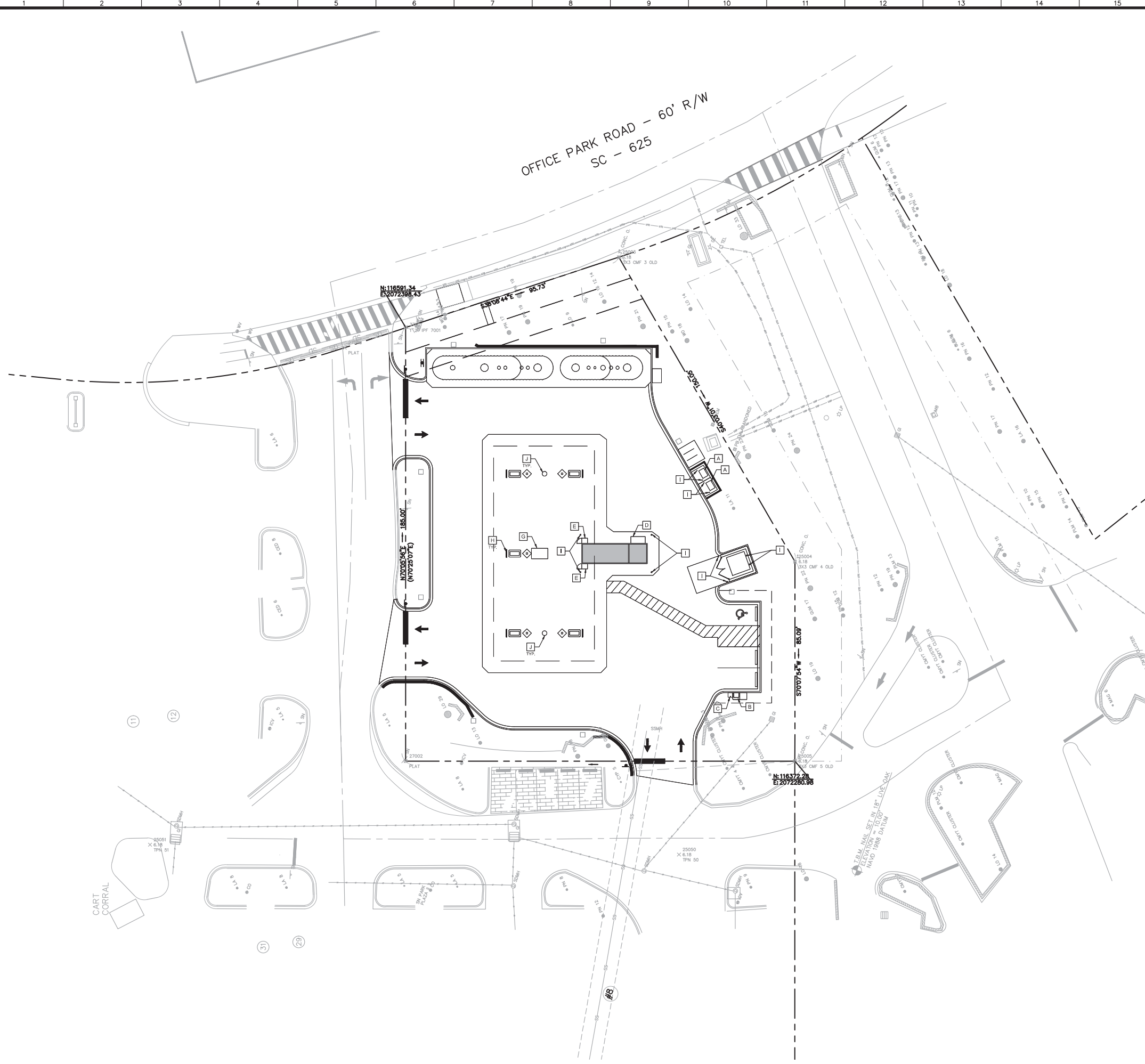


PROJECT: HARRIS TEETER FUEL CENTER STORE #423 SEA PINES  
31 OFFICE PARK ROAD  
HILTON HEAD ISLAND, SOUTH CAROLINA 29928  
BEAUFORT COUNTY

TITLE: FUEL STATION SITE PLAN

DESIGNED BY: JRN  
DRAWN BY: JRN  
CHECKED BY: MFJ  
DATE: 04/13/2020  
PROJECT#: 015640134

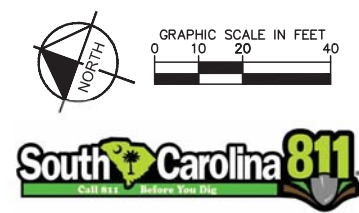
C2-1



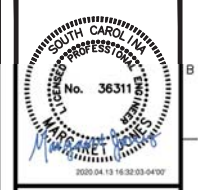
FIXTURE LEGEND	
A	PROPANE CAGE BY BLUE RHINO (SEE ANS)
B	AIR/VAC BY AIR-SERVE, LLC. (SEE DETAIL SHEET)
C	FREEZELESS YARD HYDRANT (MODEL W34) BY WOODFORD (SEE ANS)
D	OUTDOOR ICE MERCHANDISER (MODEL 60C/A) BY LEER (SEE ANS)
E	GLASS DOOR MERCHANDISER (MODEL: GDM-234-D) BY TRUE FOOD SERVICE EQUIPMENT, INC. (SEE ANS)
G	GENERAL MERCHANDISE AND SWEET AND SAVORY SNACK (SEE ANS)
H	U-SHAPED STAINLESS STEEL BOLLARD (SEE ANS)
I	BOLLARD SLEEVE BY RELIANCE FOUNDRY (SEE DETAIL SHEET)
J	LANDMARK SERIES WASTE RECEPTACLES/WINDSHIELD WIPER UNITS (SEE ANS)

BILL OF MATERIAL	
QUANTITY	ITEM
2	PROPANE CAGE
1	AIR/VAC
1	FREEZELESS YARD HYDRANT
1	OUTDOOR ICE MERCHANDISER
2	GLASS DOOR MERCHANDISER (MODEL: DM-23-LD)
2	GENERAL MERCHANDISE AND SWEET AND SAVORY SNACKS
5	U-SHAPED STAINLESS STEEL BOLLARD
12	RELIANCE FOUNDRY BOLLARD
2	BLACK BOLLWASTE RECEPTICLE / WINDSHIELD WIPER UNIT

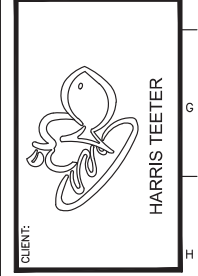
**ALERT TO CONTRACTOR:**  
 CONTRACTOR TO PROTECT STAINLESS STEEL BOLLARDS DURING INSTALLATION. CONTRACTOR TO PROTECT BOLLARDS WITH BLANKETS OR OTHER NECESSARY MEANS TO PREVENT SCRATCHING, SCUFFING, OR FORMS OF DAMAGE. IN THE EVENT THAT ANY BOLLARDS ARE DAMAGED, IT WILL BE THE CONTRACTORS SOLE RESPONSIBILITY TO REPLACE THEM AT COST.



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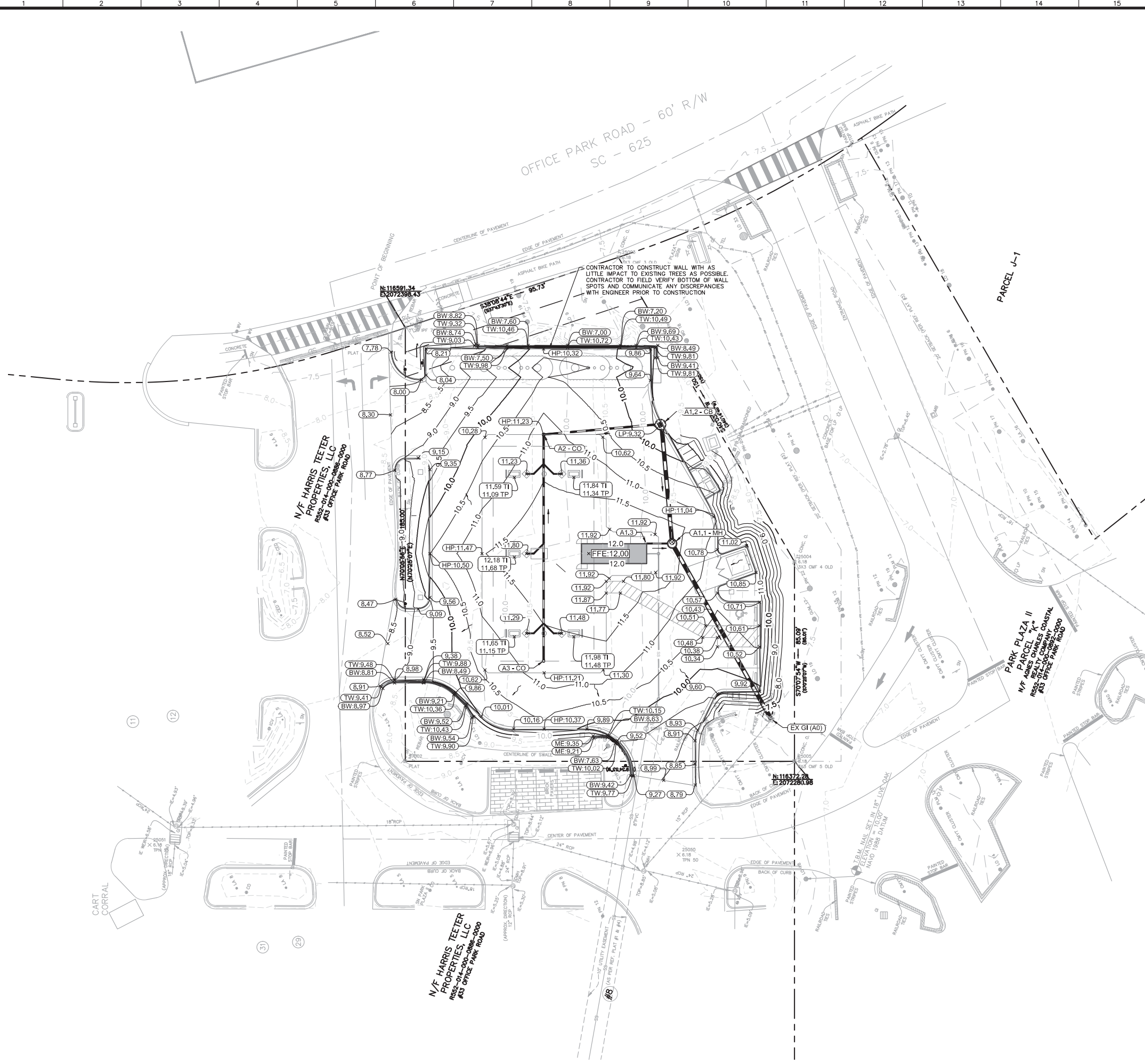


**PROJECT:**  
 HARRIS TEETER FUEL CENTER  
 STORE #423 SEA PINES  
 31 OFFICE PARK ROAD  
 HILTON HEAD ISLAND, SOUTH CAROLINA 29928  
 BEAUFORT COUNTY

**TITLE:**  
 FUEL STATION  
 FIXTURE PLAN

**DESIGNED BY:** JRN  
**DRAWN BY:** JRN  
**CHECKED BY:** MFJ  
**DATE:** 04/13/2020  
**PROJECT#:** 015640134

C2-3



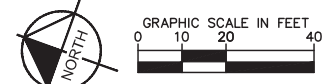
GRADING AND DRAINAGE LEGEND	
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED SPOT - FINISHED GRADE
	PROPOSED SPOT - HIGH POINT
	PROPOSED SPOT - LOW POINT
	PROPOSED SPOT - TOP OF ISLAND
	STORM STRUCTURE LABEL
	STORM STRUCTURE
	PROPOSED STORM PIPE
	EXISTING STORM PIPE
	FLOW DIRECTION

- GRADING NOTES**
- SEE GENERAL NOTES SHEET FOR OVERALL PAVING, GRADING AND DRAINAGE NOTES.
  - CONTRACTOR SHALL REVIEW, UNDERSTAND AND IMPLEMENT ALL REQUIRED EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO ANY DISTURBANCE.
  - ALL SPOT ELEVATIONS ALONG PAVEMENT REPRESENT FINISHED GRADE ELEVATION UNLESS OTHERWISE NOTED.
  - ALL PROPOSED STORM PIPE TO BE CLASS III RCP UNLESS OTHERWISE NOTED.
  - ALL STRUCTURES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH FINAL PAVEMENT.
  - ALL CONNECTIONS BETWEEN PROPOSED STORM STRUCTURES AND O-RING PIPE SHALL HAVE WATERTIGHT CONNECTIONS.
  - INLET PROTECTION - CONTRACTOR SHALL PROVIDE CATCH BASIN INLET PROTECTION ON ALL EXISTING AND PROPOSED INLETS UNTIL CONTRIBUTING DRAINAGE AREAS ARE STABILIZED.
  - CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION BETWEEN PROPOSED PAVEMENT AND EXISTING PAVEMENT AND STORM STRUCTURES
  - ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED WITH (4) SIDED BEARING HEAVY DUTY H-20 RATED TRAFFIC RIMS AND GRATES
  - ALL CLEANOUT COVERS SHOULD BE RATED FOR HEAVY DUTY TRAFFIC.
  - CONTRACTOR SHALL COORDINATE PAVING IMPROVEMENTS TO AVOID TIRE MARKS FROM CONSTRUCTION ACTIVITY. FINAL PAVING SHALL BE AS SMOOTH AS POSSIBLE AND FREE FROM ANY PARKS, SCRAPED, GOUGED, TIRE MARKS, ETC. CAUSED DURING CONSTRUCTION.
  - DURING CONSTRUCTION AND AFTER FINAL GRADING, NO SURFACE WATER RUNOFF MAY BE DIRECTED TO ADJACENT PROPERTIES, AND ALL SURFACE WATER RUNOFF MUST BE ROUTED TO APPROVED DRAINAGE FACILITIES OR BE RETAINED ON SITE. ALL RUNOFF FROM THE SITE, BOTH DURING AND AFTER CONSTRUCTION, MUST BE FREE OF POLLUTANTS, INCLUDING SEDIMENT, PRIOR TO DISCHARGE.
  - ALL SCHEDULE 40 PVC IS TO BE USED ON PROJECT. THERE SHALL BE NO CELL-CORE USED DURING CONSTRUCTION.
  - RIM ELEVATIONS OF CURB INLETS EQUALS THE FLOW LINE OF THE GUTTER PAN. RIM ELEVATIONS OF DROP INLETS, MANHOLES, AND CLEANOUTS EQUALS THE CENTER OF GRATE OR LID ELEVATION.

STORM DRAINAGE ABBREVIATIONS LIST	
(SEE LATEST SCOTD STDS. MANUAL AND DETAIL SHEETS)	
CB	CATCH BASIN (SCOTD STDS. 719.001, 01, 02, 04, 46, 56)
US	FOUNDARY SIBI FRAME & HOOD AND US FOUNDRY 6003 GRATE
MH	JUNCTION BOX/MANHOLE (SCOTD STDS.)
CO	CLEAN-OUT (SEE DETAIL SHEET)
EX-G	EXISTING GRATE INLET

**ALERT TO CONTRACTOR**

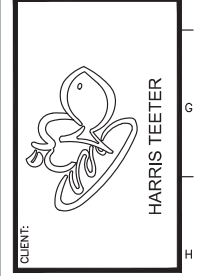
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.



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NO.	DATE	REVISIONS

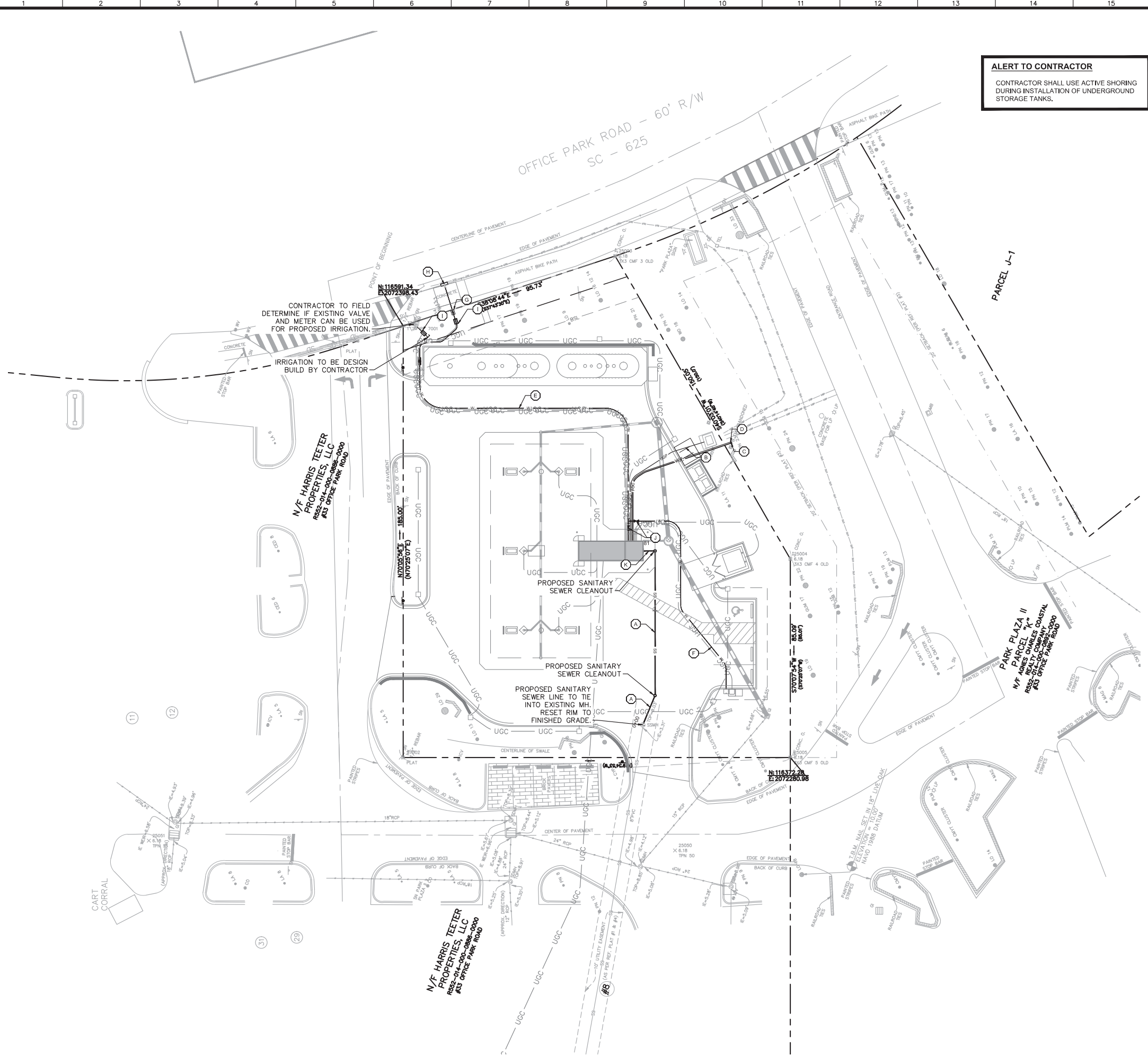


**HARRIS TEETER FUEL CENTER  
 STORE #423 SEA PINES**  
 31 OFFICE PARK ROAD  
 HILTON HEAD ISLAND, SOUTH CAROLINA 29928  
 BEAUFORT COUNTY

**PAVING GRADING  
 DRAINAGE PLAN**

DESIGNED BY: JRN  
 DRAWN BY: JRN  
 CHECKED BY: MFJ  
 DATE: 04/13/2020  
 PROJECT#: 015640134

**C3-0**



**ALERT TO CONTRACTOR**  
 CONTRACTOR SHALL USE ACTIVE SHORING DURING INSTALLATION OF UNDERGROUND STORAGE TANKS.

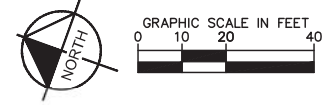
UTILITY LEGEND	
UGP	PROPOSED UNDERGROUND ELECTRIC
SS	PROPOSED SANITARY SEWER
UGT	PROPOSED STORM SEWER
W	PROPOSED TELEPHONE
W	PROPOSED DOMESTIC WATER
W	PROPOSED IRRIGATION
FOC	PROPOSED FIBER OPTIC CABLE
UGC	PROPOSED UNDERGROUND CONDUIT

- UTILITY NOTES**
- SEE GENERAL NOTES SHEET FOR ADDITIONAL UTILITY NOTES
  - ALL BACKFLOW AND METER TYPES TO BE APPROVED BY THE HILTON HEAD PUBLIC SERVICE DEPARTMENT.
  - CAST IRON SLIDE COVERS MUST BE USED ON ALL CLEANOUTS LOCATED IN PAVED AREAS.
  - ALL APPLICABLE WATER/SEWER IMPACT AND METER FEES MUST BE PAID BY CONTRACTOR BEFORE ANY BUILDING PERMITS ARE ISSUED.

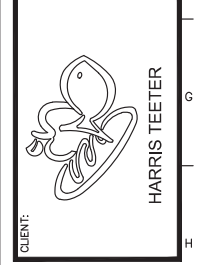
- SANITARY SEWER NOTES**
- CONTRACTOR TO COORDINATE WITH THE HILTON HEAD PUBLIC SERVICE DEPARTMENT AND PAY FOR TIE-IN TO THE TOWN OF HILTON HEAD ISLAND SANITARY SEWER PROPOSED FOR THIS PROJECT.
  - CONTRACTOR TO LOCATE LATERAL CONNECTIONS TO BUILDING PER PLUMBING PLANS.
  - PLACE CLEAN-OUTS ON SANITARY SEWER LATERALS AS REQUIRED BY PLUMBING CODE.
  - TRENCHES FOR SEWER LATERALS MUST REMAIN OPEN FOR PLUMBING INSPECTION.

- WATER DISTRIBUTION NOTES**
- CONTRACTOR TO LOCATE TIE-INS TO ALL BUILDINGS BASED ON PLUMBING PLANS.
  - ALL WATER METERS BELONGING TO THE TOWN SHALL BE PLACED BY A PLUMBER CONTRACTED BY THE PROPERTY OWNER.
  - ALL WATER METERS SHALL BE INSTALLED IN THE GROUND PURSUANT TO THE SPECIFICATIONS OF TOWN OF HILTON HEAD ISLAND IN A LOCATION THAT WILL BE EASY TO ACCESS BY REPRESENTATIVES OF THE TOWN OF HILTON HEAD ISLAND UNLESS AN EXCEPTION SHALL BE GRANTED.

- UTILITY LEGEND**
- (A) 4" PVC SANITARY SEWER LINE. SEE PROFILE FOR ADDITIONAL INFORMATION.
  - (B) PROPOSED APPROXIMATE LOCATION OF UNDERGROUND ELECTRIC TO BE INSTALLED. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ELECTRIC COMPANY BEFORE THE INSTALLATION OF UNDERGROUND ELECTRIC LINES ON EXACT LOCATION AND INSTALLATION PROCEDURES.
  - (C) PROPOSED APPROXIMATE LOCATION OF UNDERGROUND FIBER OPTIC CABLE TO BE INSTALLED. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH CABLE COMPANY (HARGRAY) BEFORE THE INSTALLATION OF UNDERGROUND FIBER OPTIC CABLE ON EXACT LOCATION AND INSTALLATION PROCEDURES.
  - (D) (2) 2" UNDERGROUND TELEPHONE CONDUITS TO BE EXTENDED BY TELEPHONE COMPANY. CONTRACTOR TO PROVIDE & INSTALL CONDUIT. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH TELEPHONE COMPANY (HARGRAY) FOR EXACT LOCATIONS AND INSTALLATION OF UNDERGROUND TELEPHONE LINES
  - (E) 1" PEX WATER SUPPLY LINE. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ANY APPURTENANCES ON THE DOMESTIC LINE SUCH AS BACKFLOW PREVENTION DEVICES, GATE VALVES, ETC., WHICH MAY BE REQUIRED. CONTRACTOR TO COORDINATE WITH THE TOWN OF HILTON HEAD ISLAND
  - (F) 1" PEX WATER LINE TO FREEZELESS YARD HYDRANT
  - (G) 1" WATER METER PIT
  - (H) 1" TAPPING SLEEVE AND VALVE
  - (I) 1" ABOVE GROUND REDUCED PRESSURE ZONE BACKFLOW PREVENTION ASSEMBLY WITHIN HOT BOX WITH HEAT TAPE INSTALLED PER THE TOWN OF HILTON HEAD ISLAND'S REQUIREMENTS. ENCLOSURE TO INCLUDE DRAIN PORT(S) WITH 12" OF DRAIN ROCKS BELOW ENCLOSURE.
  - (J) 1" GATE VALVE
  - (K) 4" PVC SANITARY SEWER LATERAL AT MINIMUM 1.00% SLOPE. COORDINATE WITH PLUMBING PLANS



NO.	DATE	REVISIONS

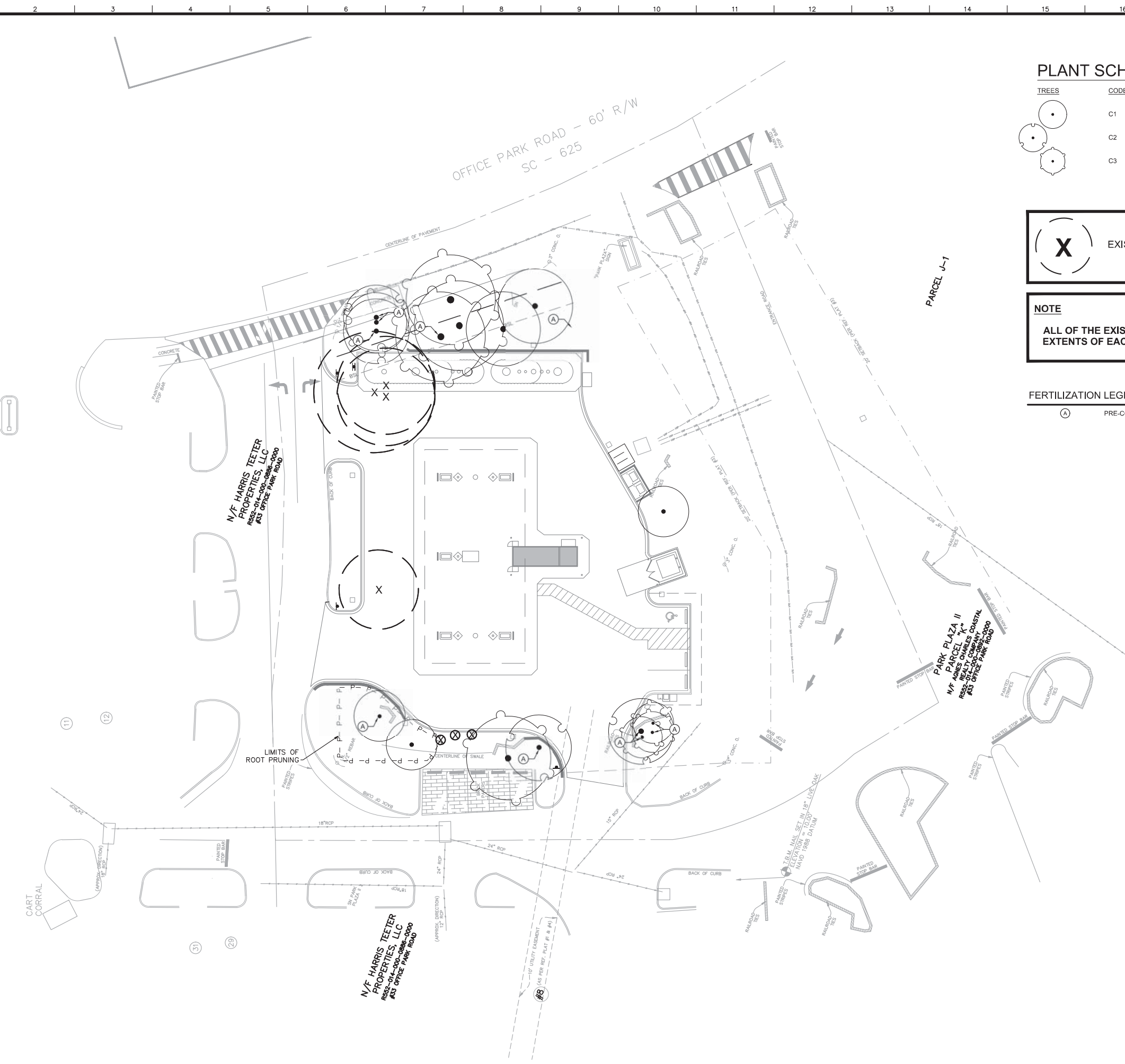


**HARRIS TEETER FUEL CENTER  
 STORE #423 SEA PINES**  
 31 OFFICE PARK ROAD  
 HILTON HEAD ISLAND, SOUTH CAROLINA 29928  
 BEAUFORT COUNTY

**UTILITY PLAN**

DESIGNED BY: JRN  
 DRAWN BY: JRN  
 CHECKED BY: MFJ  
 DATE: 04/13/2020  
 PROJECT#: 015640134





### PLANT SCHEDULE EXISTING TREES

TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME
	C1	5	CATEGORY I: Existing Tree	
	C2	4	CATEGORY II: Existing Tree	
	C3	9	CATEGORY III: Existing Tree	

X

EXISTING TREE TO BE REMOVED

**NOTE**

ALL OF THE EXISTING TREE CANOPY SIZES REFLECT THE EXTENTS OF EACH TREE'S CRITICAL ROOT ZONE/ DRIP LINE.

**FERTILIZATION LEGEND**

PRE-CONSTRUCTION AND POST-CONSTRUCTION FERTILIZATION

GRAPHIC SCALE IN FEET

0 10 20 40

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 CHARLOTTE, NC 28202  
 PHONE: (704) 333-5131  
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NO.	DATE	REVISIONS

CLIENT:

HARRIS TEETER

PROJECT:

HARRIS TEETER FUEL CENTER  
 STORE #423 SEA PINES

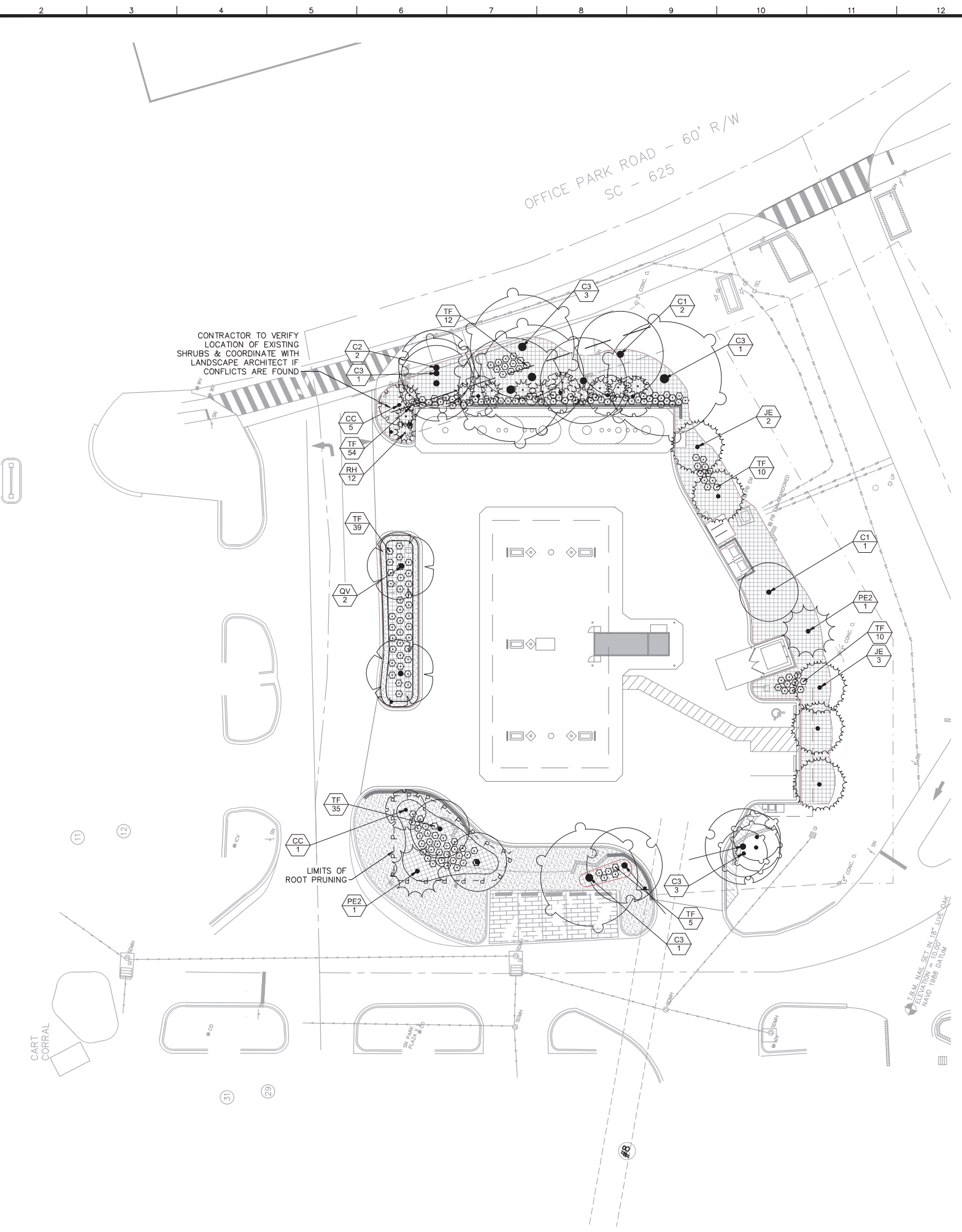
31 OFFICE PARK ROAD  
 HILTON HEAD ISLAND, SOUTH CAROLINA 29928  
 BEAUFORT COUNTY

TITLE:

**TREE PROTECTION PLAN**

DESIGNED BY: JRN  
 DRAWN BY: JRN  
 CHECKED BY: MFJ  
 DATE: 04/13/2020  
 PROJECT#: 015640134

**C5-0**



CONTRACTOR TO VERIFY LOCATION OF EXISTING SHRUBS & COORDINATE WITH LANDSCAPE ARCHITECT IF CONFLICTS ARE FOUND

LIMITS OF ROOT PRUNING

**PLANT SCHEDULE EXISTING TREES**

TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME
	C1	5	CATEGORY I: Existing Tree	
	C2	4	CATEGORY II: Existing Tree	
	C3	9	CATEGORY III: Existing Tree	

**PLANT SCHEDULE PROPOSED TREES**

TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME	METHOD	SIZE	CAL
	JE	5	Eastern Red Cedar (C3)	Juniperus virginiana	F.G., B & B	10' MIN HEIGHT	VARIES
	CC	6	Crepe Myrtle (C4)	Lagerstroemia indica	F.G., B & B	10' MIN HEIGHT	VARIES
	PE	2	Long Leaf Pine (C3)	Pinus palustris	F.G., B & B	10' MIN HEIGHT	VARIES
	QV	2	Southern Live Oak (C1)	Quercus virginiana	F.G., B & B	10' MIN HEIGHT	VARIES

**PLANT SCHEDULE SHRUBS AND GROUNDCOVER**

SHRUBS	CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE
	RH	12	Needle Palm	Rhapidophyllum hystrix	10" IN MIN HEIGHT, CALIPER VARIES
	SB	165	Florida Gamagrass	Tripsacum floridana	10" IN MIN HEIGHT, CALIPER VARIES

GROUND COVERS	CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE
	CD2	2,583 sf	Bermuda Grass	Cynodon dactylon	SOD
	MM	5,941 sf	Mulch	Mulch	SOD

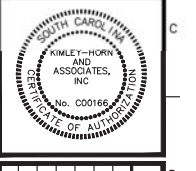
**NOTE**  
ALL OF THE EXISTING TREE CANOPY SIZES REFLECT THE EXTENTS OF EACH TREE'S CRITICAL ROOT ZONE/ DRIP LINE.

LANDSCAPE REQUIREMENTS		
	REQUIRED	PROVIDED
Redevelopment of Existing Site Requirements: Replacement by Category per city code section 16.6.104.I.3.A Trees that are removed shall be replaced at the rate of one tree for every ten tree inches removed per tree category	Category I: 17" being removed, so 2 Trees required	2 Trees, 10' in height
	Category III: 68" being removed, so 7 Trees required	7 Trees, 6' in height
	Category IV: 6" being removed, so 1 Tree required	1 Tree, 6' in height
Buffer Requirements (per Table 16-5-103.F: BUFFER TYPES)	Buffer Type A (Option 2) applied	Office Park Road: 120' Length- ~25 Width
	Overstory trees : 2 every 100 linear feet	4 Overstory Trees (All existing)
	Understory trees : 4 every 100 linear feet	5 Understory Trees (Proposed)
	Evergreen shrubs: 10 every 100 linear feet	12 Evergreen Shrubs (Proposed)

NORTH

GRAPHIC SCALE IN FEET  
0 10 20 40

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NO.	DATE	REVISIONS



PROJECT: HARRIS TEETER FUEL CENTER STORE #423 SEA PINES  
31 OFFICE PARK ROAD  
HILTON HEAD ISLAND, SOUTH CAROLINA 29928  
BEAUFORT COUNTY

TITLE: TREE REPLACEMENT PLAN

DESIGNED BY: JRN  
DRAWN BY: JRN  
CHECKED BY: MFJ  
DATE: DATE  
PROJECT#: PROJ #

C5-1

April 13, 2020 - 1:32pm Bk Megan Fitzsimmons  
 C:\Users\megan.fitzsimmons\OneDrive\Documents\134 Sea Pines Hilton Head SC Fuel Center\02 - DWG\PlanSheets\05-0 EC US DETAILS-134.dwg

**LANDSCAPE NOTES:**

- ALL LANDSCAPED AREAS ARE TO RECEIVE 4" OF TOP SOIL, SEED, MULCH, AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED PER EARTHWORK SPECIFICATIONS.
- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
- ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BUR LAPPED AS INDICATED IN THE PLANT LIST.
- ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
- ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
- CONTRACTOR IS RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING PER SPECIFICATIONS TO MAINTAIN HEALTHY PLANT CONDITIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN UNTIL FINAL ACCEPTANCE. CERTIFICATE OF OCCUPANCY, OR A MOWABLE STAND OF GRASS IS ACHIEVED, WHICHEVER IS LAST.
- THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD DEFINED OF ONE YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE THE END OF THE GUARANTEE PERIOD.
- AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
- ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" (MOST CURRENT EDITION) REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- ALL MULCH AREAS AROUND TREES (4" DIAMETER, TYP.) ARE TO BE COMPLETELY COVERED WITH MULCH TO A MINIMUM DEPTH OF FOUR INCHES.
- LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD.
- SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
- FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL SUB-BASE AND CONSTRUCTION DEBRIS.
- LARGE MATURING TREES MAY NOT BE PLANTED WHERE OVERHEAD DISTRIBUTION OR TRANSMISSION LINES EXIST. IF TREES CONFLICT WITH POWER LINES OR SIGNS, CALL THE OWNER TO RESOLVE BEFORE PLANTING.
- NO SUBSTITUTIONS SHALL BE MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE PROJECT LANDSCAPE ARCHITECT.
- ALL PLANT LOCATIONS SHALL BE STAKED IN THE FIELD FOR APPROVAL BY PROJECT LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- ALL PROPOSED TREES WITHIN SIGHT TRIANGLES AND ALONG ROADWAYS TO BE LIMBED UP TO CLEAR SIGHT OBSTRUCTION.
- ALL DISTURBED AREAS TO BE SODDED WITH A GRASS SPECIES THAT MATCHES THE ADJACENT GRASS OR FULLY LANDSCAPED.

**ROOT PRUNING/TRENCHING:**

- TRENCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT.
- TRENCHING EQUIPMENT THAT WILL TURN AT HIGH RPM'S IS PREFERRED, AND SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT. TRENCHING EQUIPMENT SELECTED SHALL BE EQUIVALENT TO A DOSKO ROOT CUTTER. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
- INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
- THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
- TREES TO BE RELOCATED SHALL BE ROOT PRUNED A MINIMUM OF TWELVE (12) WEEKS PRIOR TO TREE RELOCATION.
- WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.

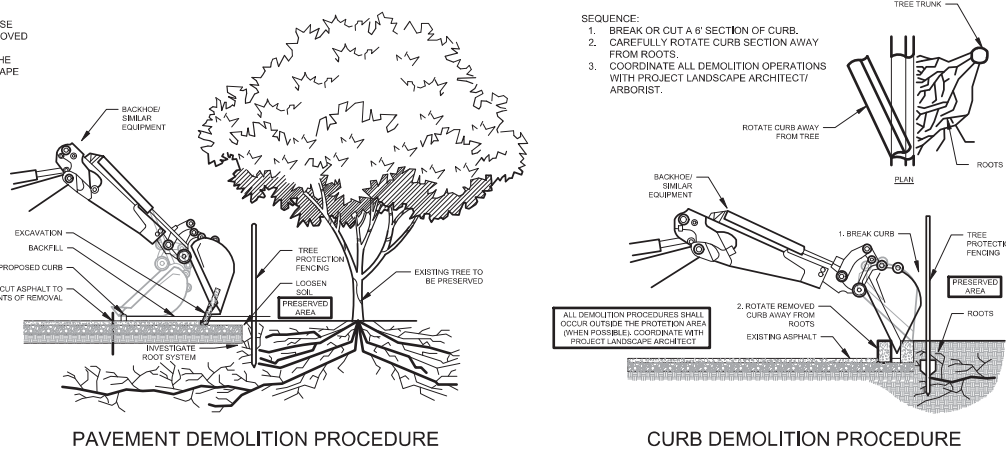
**FERTILIZATION:**

- CONTRACTOR SHALL COORDINATE FERTILIZATION PLAN, FOLLOWING BEST MANAGEMENT PRACTICES WITH THE PROJECT ARBORIST PRIOR TO COMMENCEMENT OF WORK.
- EVERY EFFORT SHALL BE MADE TO UTILIZE CHEMICALS OF AN ORGANIC OR BIODEGRADABLE NATURE IN ORDER TO OFFER THE LEAST IMPACT TO THE NATURAL ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR MIXING, APPLYING, AND DISPOSAL OF ALL CHEMICALS IN ACCORDANCE WITH STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
- ONLY TREES AFFECTED BY CONSTRUCTION OR AS SHOWN ON THE TREE MITIGATION PLAN AND TREE INVENTORY SCHEDULE SHALL BE TREATED.
- TREES SPECIFIED TO RECEIVE FERTILIZER SHALL BE TREATED AS FOLLOWS.
  - MIX FERTILIZER ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO A TANK WITH AGITATION CAPABILITY.
  - MIX WETTING AGENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO SAME TANK WITH FERTILIZER, AGITATE MIX.
  - INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
  - THE CRITICAL ROOT ZONE AREA PLUS 2' BEYOND THE CRITICAL ROOT ZONE SHALL BE INJECTED, BUT NOT BEYOND ROOT PRUNING LOCATIONS.
  - FERTILIZER SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY AERATION SYSTEMS.
  - EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY THE PROJECT ARBORIST PRIOR TO DISPOSAL.
- TRANSPLANT INOCULANT & BIOSTIMULANT.
  - CONTRACTOR SHALL PROVIDE MYCORRHIZAL TRANSPLANT INOCULANT ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND AS RECOMMENDED BY THE PROJECT ARBORIST. MIX INOCULANT IN 10" WIDE TOPSOIL RING AROUND THE ROOT BALL.
  - CONTRACTOR SHALL PROVIDE INJECTABLE MYCORRHIZAL INOCULANT ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND AS RECOMMENDED BY THE PROJECT ARBORIST. AGITATE FOR 10 MINUTES.
  - INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
  - EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY PROJECT ARBORIST PRIOR TO DISPOSAL.
- TRANSPLANT MAINTENANCE
  - APPROXIMATELY ONE YEAR AFTER PLANTING, THE CONTRACTOR SHALL REFERTILIZE ALL TRANSPLANTS UTILIZING THE SAME PROCEDURES ABOVE.

**NOTES:**  
 CONTRACTOR TO REMOVE ASPHALT AND ASSOCIATED BASE MATERIAL TO EXISTING SOIL DEPTH. BACKFILL WITH APPROVED SOIL MIXTURE.  
 ALL DEMOLITION PROCEDURES SHALL OCCUR OUTSIDE THE PROTECTION AREA. COORDINATE WITH PROJECT LANDSCAPE ARCHITECT/ARBORIST PRIOR TO DEMOLITION.

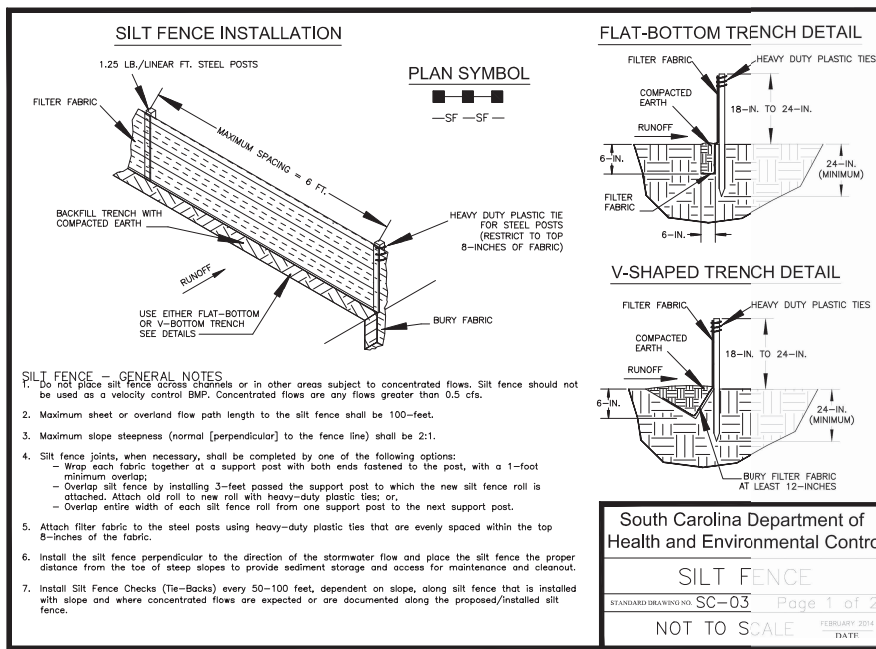
- SEQUENCE:**
- INSTALL PROTECTION FENCE.
  - SAW-CUT A LINEAR SECTION OF ASPHALT.
  - CAREFULLY EXCAVATE PAVING TO SUB-GRADE BY PRELIMS BACK ASPHALT.
  - INVESTIGATE TO DETERMINE EXTENT OF ROOT SYSTEM.
  - NO ROOT GROWTH-EXCAVATE FROM BACK OF CURB TO EXTENT OF PROPERTY IMPROVEMENTS.
  - ROOT GROWTH-ROOT PRUNE PER PLAN. INSTALL A 20 MIL ROOT BARRIER AT ROOT PRUNE LINE. LOOSEN SOIL WITH HAND TOOLS THROUGHOUT EXTENT OF EXPANDED PLANTING AREA.

2 PAVEMENT DEMOLITION PROCEDURE



PAVEMENT DEMOLITION PROCEDURE

CURB DEMOLITION PROCEDURE



- SILT FENCE - GENERAL NOTES**
- Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
  - Maximum sheet or overland flow path length to the silt fence shall be 100-feet.
  - Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
  - Silt fence joints, when necessary, shall be completed by one of the following options:
    - Wrap each fabric together at a support post with both ends fastened to the post, with a 1-foot minimum overlap.
    - Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties; or,
    - Overlap entire width of each silt fence roll from one support post to the next support post.
  - Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric.
  - Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanup.
  - Install Silt Fence Checks (Tie-Backs) every 50-100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.

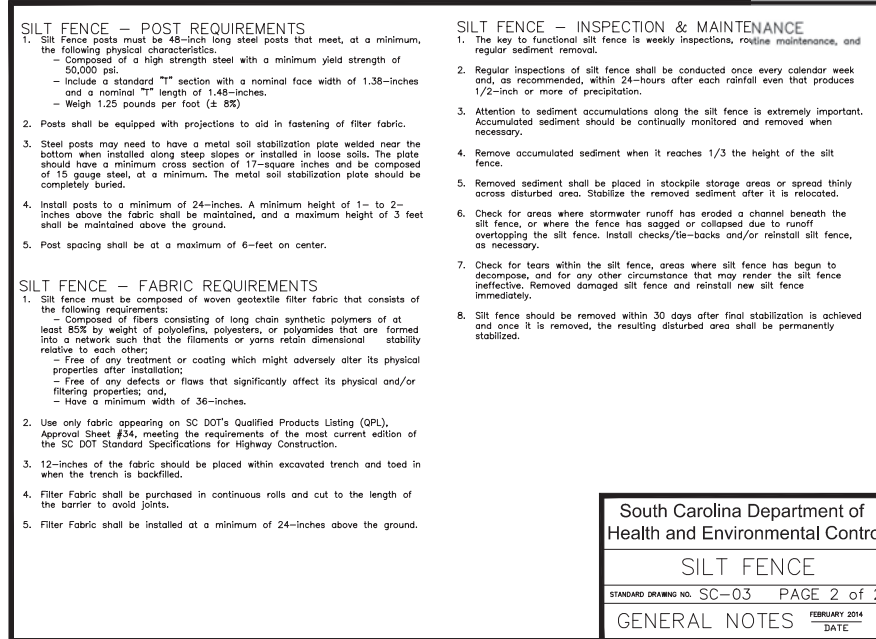
South Carolina Department of Health and Environmental Control

**SILT FENCE**

STANDARD DRAWING NO. SC-03 Page 1 of 2

FEBRUARY 2014 DATE

NOT TO SCALE



- SILT FENCE - POST REQUIREMENTS**
- Silt fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
    - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
    - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
    - Weight 1.25 pounds per foot (± 8%).
  - Posts shall be equipped with projections to aid in fastening of filter fabric.
  - Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
  - Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
  - Post spacing shall be at a maximum of 6-feet on center.

- SILT FENCE - FABRIC REQUIREMENTS**
- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
    - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
    - Free of any treatment or coating which might adversely alter its physical properties after installation;
    - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and
    - Have a minimum width of 36-inches.
  - Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
  - 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
  - Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
  - Filter Fabric shall be installed at a minimum of 24-inches above the ground.

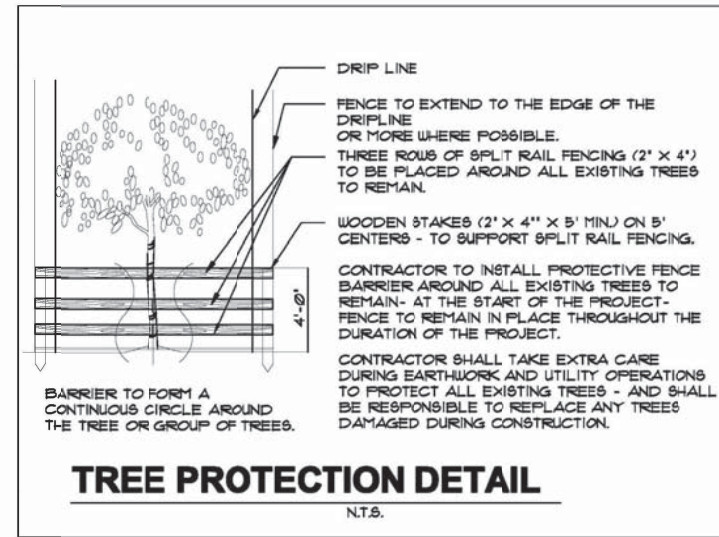
South Carolina Department of Health and Environmental Control

**SILT FENCE**

STANDARD DRAWING NO. SC-03 PAGE 2 of 2

FEBRUARY 2014 DATE

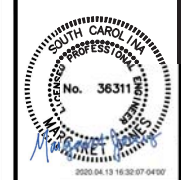
GENERAL NOTES



**TREE PROTECTION DETAIL**

N.T.S.

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 SUITE 200  
 CHARLOTTE, NC 28202  
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NO.	DATE	REVISIONS



**HARRIS TEETER FUEL CENTER  
 STORE #423 SEA PINES**  
 31 OFFICE PARK ROAD  
 HILTON HEAD ISLAND, SOUTH CAROLINA, 29928  
 BEAUFORT COUNTY

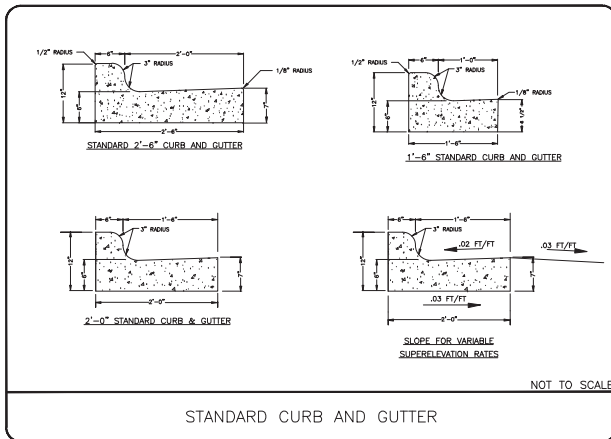
**EROSION CONTROL AND  
 LANDSCAPING DETAILS**

DESIGNED BY: JRN  
 DRAWN BY: JRN  
 CHECKED BY: MFJ  
 DATE: 04/13/2020  
 PROJECT#: 015640134

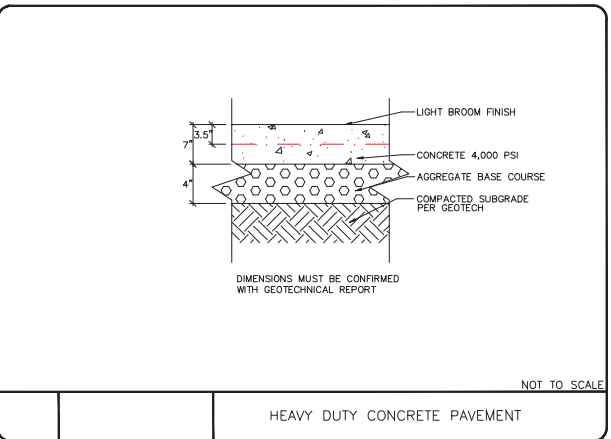
C6-0



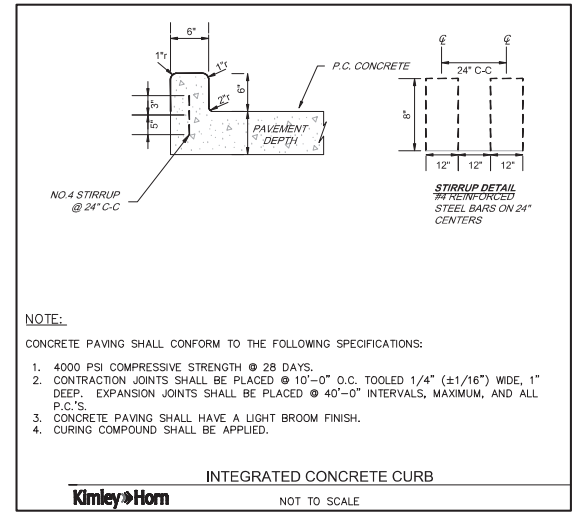
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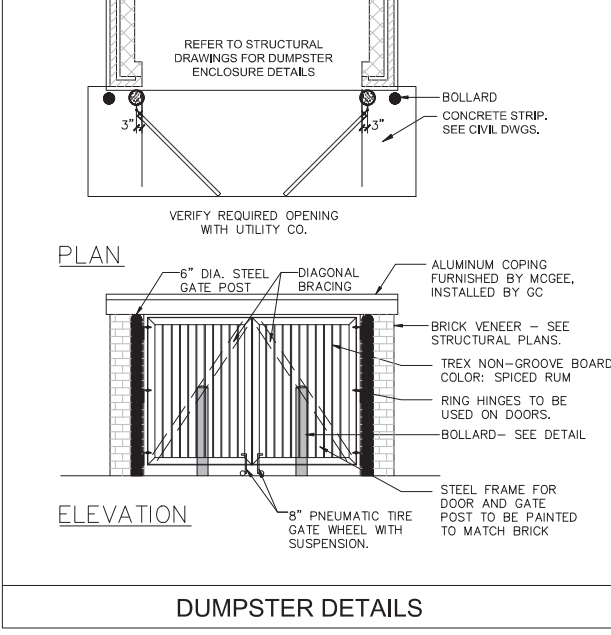
STANDARD CURB AND GUTTER



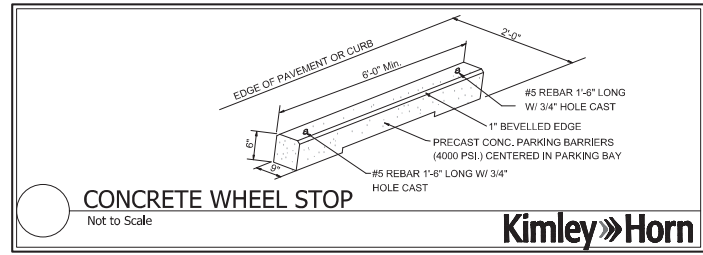
HEAVY DUTY CONCRETE PAVEMENT



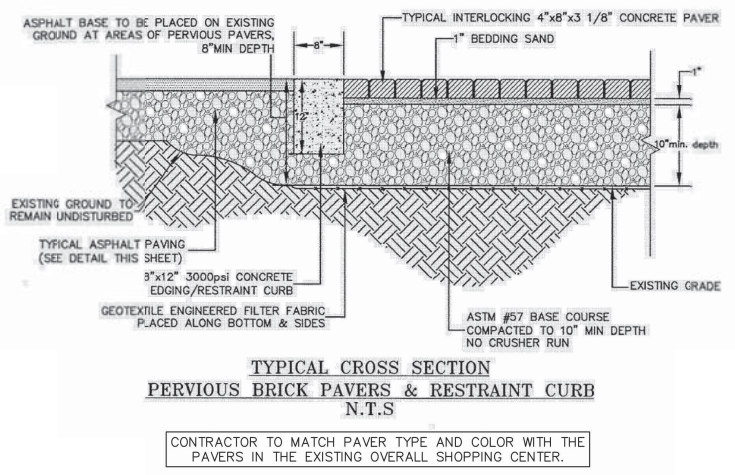
INTEGRATED CONCRETE CURB



DUMPSTER DETAILS

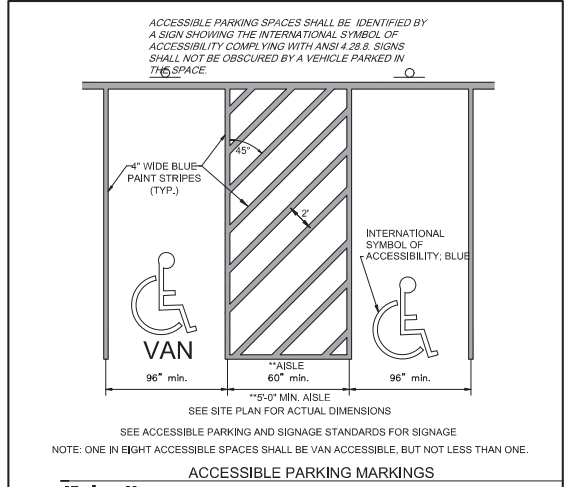


CONCRETE WHEEL STOP

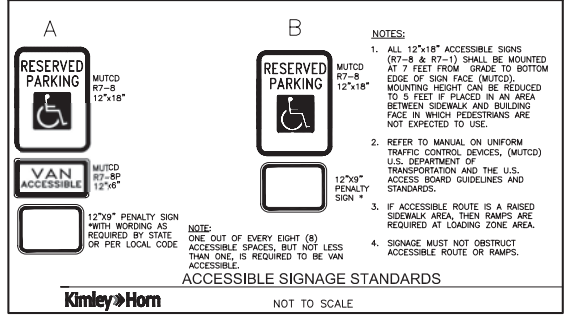


TYPICAL CROSS SECTION PERVIOUS BRICK PAVERS & RESTRAINT CURB N.T.S.

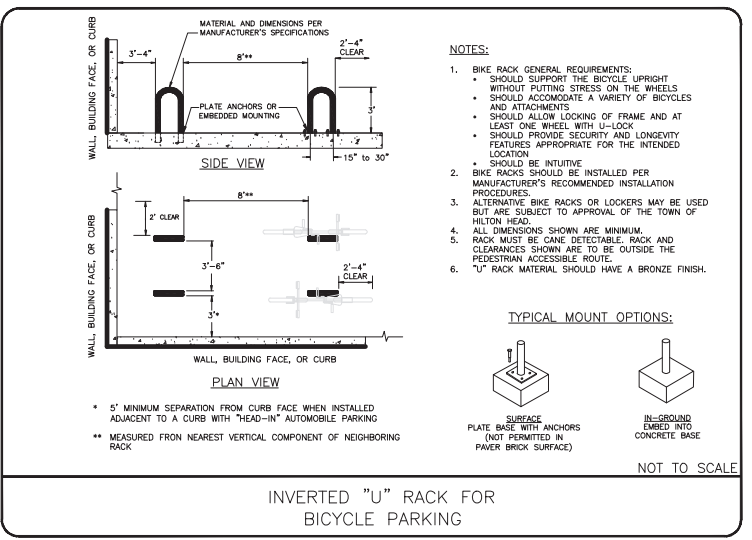
CONTRACTOR TO MATCH PAVER TYPE AND COLOR WITH THE PAVERS IN THE EXISTING OVERALL SHOPPING CENTER.



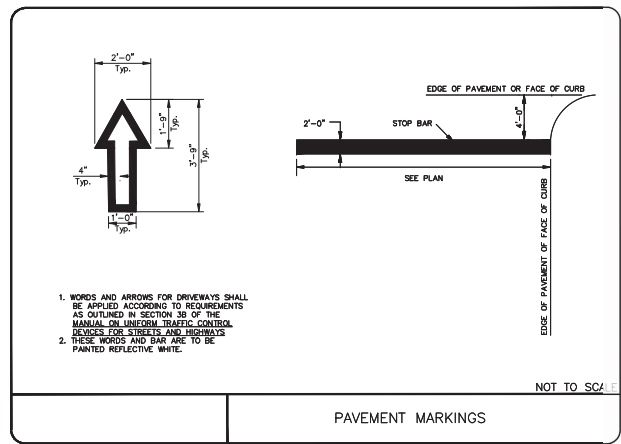
ACCESSIBLE PARKING MARKINGS



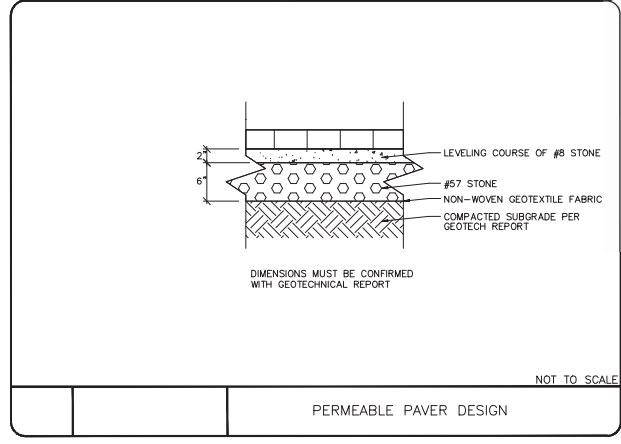
ACCESSIBLE SIGNAGE STANDARDS



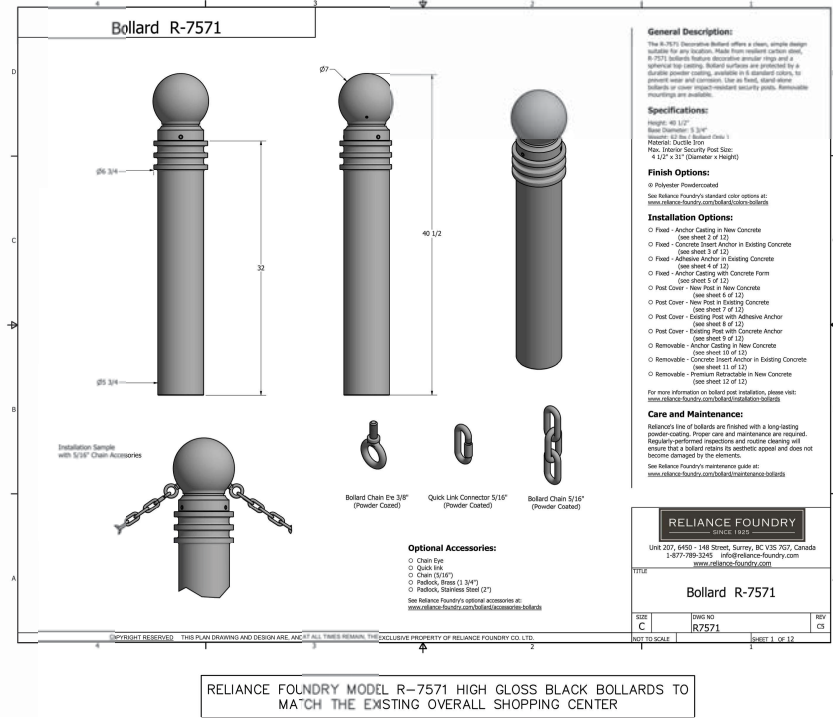
INVERTED "U" RACK FOR BICYCLE PARKING



PAVEMENT MARKINGS



PERMEABLE PAVER DESIGN



RELIANCE FOUNDRY MODEL R-7571 HIGH GLOSS BLACK BOLLARDS TO MATCH THE EXISTING OVERALL SHOPPING CENTER

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SOUTH CAROLINA PROFESSIONAL ENGINEERING  
 No. 36311  
 MARGARET M. FITZSIMMONS

SOUTH CAROLINA PROFESSIONAL ENGINEERING  
 No. 00166  
 KIMLEY-HORN AND ASSOCIATES, INC.

NO.	DATE	REVISIONS

HARRIS TEETER

HARRIS TEETER FUEL CENTER  
 STORE #423 SEA PINES  
 31 OFFICE PARK ROAD  
 HILTON HEAD ISLAND, SOUTH CAROLINA, 29928  
 BEAUFORT COUNTY

SITE DETAILS

DESIGNED BY: JRN  
 DRAWN BY: JRN  
 CHECKED BY: MFJ  
 DATE: 04/13/2020  
 PROJECT#: 015640134

C6-3



GENERAL NOTES:

- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SAFETY AND CONSTRUCTION PROCEDURES.
- SEE CIVIL SHEETS FOR THE LOCATION OF STRUCTURAL ELEMENTS, WALL EXTENTS, TOP OF WALL ELEVATIONS, BOTTOM OF WALL ELEVATIONS, SITE FEATURES, UNDERGROUND UTILITIES AND SITE WORK LOCATIONS. VERIFY LOCATIONS FOR ALL UNDERGROUND UTILITIES BEFORE PROCEEDING WITH FOUNDATION EXCAVATION.
- CONTRACTOR SHALL PROVIDE CONTINUOUS CONTROL OF SURFACE AND UNDERGROUND WATER AS REQUIRED DURING CONSTRUCTION SUCH THAT THE WORK IS DONE IN THE DRY.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITY LINES FROM ALL DAMAGE THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL PROTECT THE WORK, ADJACENT PROPERTY, AND THE PUBLIC.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
- NOTIFY THE ENGINEER IMMEDIATELY OF ANY EXISTING FOUNDATION CONDITIONS OR DETAILS THAT ARE IN CONFLICT WITH THOSE INDICATED AND SHOWN IN THE DRAWINGS.
- REFER TO THE ENGINEER FOR INSTRUCTION FOR ANY DIMENSION NOT GIVEN ON DRAWINGS. SCALING OF DRAWINGS SHALL NOT BE USED TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THE DRAWINGS.

FOUNDATIONS:

- GEOTECHNICAL RECOMMENDATIONS ARE CONTAINED IN THE REPORT OF GEOTECHNICAL EXPLORATION & ENGINEERING ANALYSIS BY ECS SOUTHEAST, LLP DATED MARCH 13, 2019. THE SITE SPECIFIC SOIL PARAMETERS PROVIDED BY THE GEOTECHNICAL REPORT ARE AS FOLLOWS:
 

NET ALLOWABLE BEARING PRESSURE	2,500 PSF
UCS SOIL TYPE	SM-SP
SOIL MOIST UNIT WEIGHT	120 PCF
SOIL FRICTION ANGLE	28
SEISMIC SITE CLASSIFICATION	E
- CONTRACTOR SHALL ENGAGE A GEOTECHNICAL TESTING LABORATORY LICENSED IN THE STATE OF THE PROJECT TO CONFIRM SOIL PREPARATION AND SPECIFY PROCEDURES AND SPECIFY COMPACTION REQUIREMENTS NECESSARY TO OBTAIN THE DESIGN SOIL PROPERTIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ENGINEER OF RECORD IF ASSUMED SOIL PROPERTIES CANNOT BE OBTAINED ON SITE.
- LIGHT POLE FOUNDATION EXCAVATION SHALL BE BY AUGER IN UNDISTURBED OR PROPERLY COMPACTED FILL

CAST-IN-PLACE CONCRETE:

- READY-MIX CONCRETE WORK SHALL CONFORM TO ASTM C94.
- STRUCTURAL CONCRETE MATERIALS SHALL CONFORM TO THE FOLLOWING:
  - TYPE II PORTLAND CEMENT - ASTM C150
  - AGGREGATES (3/4" MAX.) - ASTM C33
  - AIR ENTRAINING (4.5% MIN. - 7% MAX.) - ASTM C260
  - WATER REDUCING - ASTM C494
  - FLY ASH (MAX 25% BY WEIGHT), TYPE F - ASTM C618
  - WATER - CLEAN AND POTABLE
  - REINFORCING STEEL: ASTM A615 GRADE 60
  - WELDED WIRE FABRIC: ASTM A1064.
  - GROUT SHALL BE NON-SHRINK, NON-METALLIC
  - USE OF CALCIUM CHLORIDE IS NOT PERMITTED
- STRUCTURAL CONCRETE MIX SHALL CONFORM TO THE FOLLOWING:
  - CONCRETE MIXES AND EXPOSURE CLASS ACCORDING TO ACI 318:
    - FOUNDATIONS 4,000 PSI CLASS F0
    - WALLS 4,500 PSI AIR-ENTRAINED CLASS F2
  - MAXIMUM WATER-TO-CEMENT RATIO: 0.45
- REQUIRED SLUMP: 2" TO 4" (BEFORE ADDITION OF SUPERPLASTICIZER)
- ALL CONCRETE MATERIALS, PLACING AND HANDLING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 318 AND ACI 301. CONCRETE WORK SHALL CONFORM TO THE CURRENT VERSION OF ACI 318.
- SUBMITTALS:
  - DETAILED SHOP DRAWINGS OF REINFORCING BARS SHOWING NUMBER, SIZE, AND LOCATION, INCLUDED BAR LISTS AND BEND DIAGRAMS.
  - MIX DESIGNS FOR EACH TYPE OF CONCRETE SPECIFIED SHALL BE SUBMITTED FOR APPROVAL.
  - PRODUCT DATA AND MATERIAL CERTIFICATES.
- CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF BATCH TIME.
- ALL CONCRETE SHALL BE CONSOLIDATED IN PLACE USING INTERNAL VIBRATORS.
- CAST-IN-PLACE CONCRETE SHALL BE CONTINUOUSLY CURED FOR 7 DAYS FOLLOWING INITIAL SET.
- CONCRETE SHALL BE CURED IMMEDIATELY AFTER FINISHING OPERATIONS IN ACCORDANCE WITH ONE OF THE FOLLOWING METHODS:
  - APPLY A LIQUID MEMBRANE FORMING CHEMICAL CURING COMPOUND IN ACCORDANCE WITH ASTM C309.
  - WET CURE IN ACCORDANCE WITH ACI 301.
- REMOVE LIQUID MEMBRANE FORMING CHEMICAL CURING COMPOUND AFTER CURING PERIOD HAS ELAPSED, REMOVE CURING COMPOUND WITHOUT DAMAGING CONCRETE SURFACES BY METHOD RECOMMENDED BY CURING COMPOUND MANUFACTURER UNLESS MANUFACTURER CERTIFIES CURING COMPOUND DOES NOT INTERFERE WITH BONDING OF FLOOR COVERING, SEALERS, STRIPING, COATINGS, PAVEMENT MARKINGS, ETC. WHICH MAY BE USED ON PROJECT.
- ALL EXPOSED CONCRETE SHALL HAVE A RUBBED SURFACE FINISH. IMMEDIATELY AFTER REMOVING THE FORMS, ALL HONEYCOMB, VOIDS, AND OTHER SURFACE DEFECTS AND IRREGULARITIES SHALL BE GROUTED. THE SURFACES SHALL THEN BE THOROUGHLY DAMPENED AND RUBBED WITH A NO. 16 CARBORUNDUM STONE OR EQUAL ABRASIVE TO CREATE A UNIFORM SURFACE PASTE. THE RUBBING SHALL BE CONTINUED TO REMOVE ALL FORM MARKS AND SURFACE IRREGULARITIES PRODUCING A SMOOTH, DENSE SURFACE. AFTER CURING, THE SURFACE SHALL THEN BE RUBBED WITH A NO. 30 CARBORUNDUM STONE UNTIL THE SURFACE IS SMOOTH IN TEXTURE AND UNIFORM IN COLOR. REMOVE ALL LATHER, POWDER, AND DUST ON RUBBED SURFACES.
- DETAILING OF REBAR SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE ACI DETAILING MANUAL AND CONCRETE REINFORCING INSTITUTE'S LATEST EDITION OF "MANUAL OF STANDARD PRACTICE". ALL SHOP DRAWINGS PERTAINING TO REBAR DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
- ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING BARS ARE TO CENTERLINE OF BARS EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO FACE OF CONCRETE.
- REINFORCEMENT DETAIL DIMENSIONS SHALL BE OUT-TO-OUT OF BARS.
- ACI STANDARD HOOKS SHALL BE USED UNLESS OTHERWISE NOTED.
- ALL CONTINUOUS BARS SHALL HAVE CLASS "B" TENSION LAP SPLICES.

CAST-IN-PLACE CONCRETE (CONT.)

- ALL LAP AND SPLICE LENGTHS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 318 AND CRSI STANDARD PRACTICES, EXCEPT AS OTHERWISE NOTED.
- PROVIDE 3" CONCRETE COVER OVER REINFORCING BARS EXCEPT AS OTHERWISE NOTED.
- BARS SHALL BE FIELD TIED. WELDING IS NOT PERMITTED.
- SUPPORT REINFORCEMENT IN ITS PROPER LOCATION FROM THE FORMWORK DURING CONCRETE OPERATION.
- BAR SUPPORTS, DESIGN, DETAILING, FABRICATION, AND PLACING OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI 318 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE).
- PROVIDE 3/4" CHAMFERS AT ALL EXPOSED EDGES OF CONCRETE SURFACES.
- FORM TIES AND REINFORCING BAR SUPPORTS SHALL BE OF NON-CORROSIVE MATERIAL INCLUDING, BUT NOT LIMITED TO, FIBERGLASS, PLASTIC, AND/OR CONCRETE BLOCK.
- CONTRACTOR IS RESPONSIBLE FOR THE PROPER DESIGN AND CONSTRUCTION OF ALL FORMWORK AND SHORING. DESIGN SHALL BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE IN WHICH WORK IS PERFORMED.
- THE GENERAL CONTRACTOR SHALL ASSIST AND COOPERATE WITH AN INDEPENDENT TESTING LABORATORY WHICH SHALL CONDUCT ALL THE SPECIFIED TESTS REQUIRED FOR THE CONCRETE WORK AND REPORT THE RESULTS OF THIS TESTING DIRECTLY AND PROMPTLY TO THE ENGINEER FOR REVIEW.
- A QUALIFIED TESTING LABORATORY SHALL BE RETAINED BY THE OWNER TO PERFORM THE FOLLOWING:
 

FOR EACH 150 CUBIC YARDS OR FRACTION THEREOF PLACED, 5,000 SQUARE FEET OF SURFACE AREA, OR EACH PLACEMENT OF EACH MIX DESIGN OF CONCRETE PLACED IN ANY ONE DAY, THE FOLLOWING SHALL BE PERFORMED:

SLUMP: TEST IN ACCORDANCE WITH ASTM C143

AIR CONTENT: TEST IN ACCORDANCE WITH ASTM C231 OR C173.

COMPR. STRENGTH: FABRICATE ONE SET OF (5) 6x12 CYLINDERS TEST IN ACCORDANCE WITH ASTM C39. FABRICATE ONE SET OF FIVE CONCRETE TEST SPECIMENS (CYLINDERS) FOR EACH 50 CUBIC YARDS. TEST ONE CYLINDER AT 7 DAYS AND THREE AT 28 DAYS, AND HOLD ONE IN RESERVE.

REINF. INSPECTIONS: CONFIRM SIZE, QUANTITY, AND LOCATION OF REINF FOR WALLS GREATER THAN 5' IN HEIGHT.
- ONE COPY OF ALL TEST REPORTS SHALL BE SENT DIRECTLY TO OWNER, ENGINEER AND CONTRACTOR.

STRUCTURAL MASONRY:

- MATERIALS FOR CONCRETE MASONRY UNIT WALLS SHALL MEET THE FOLLOWING :
 

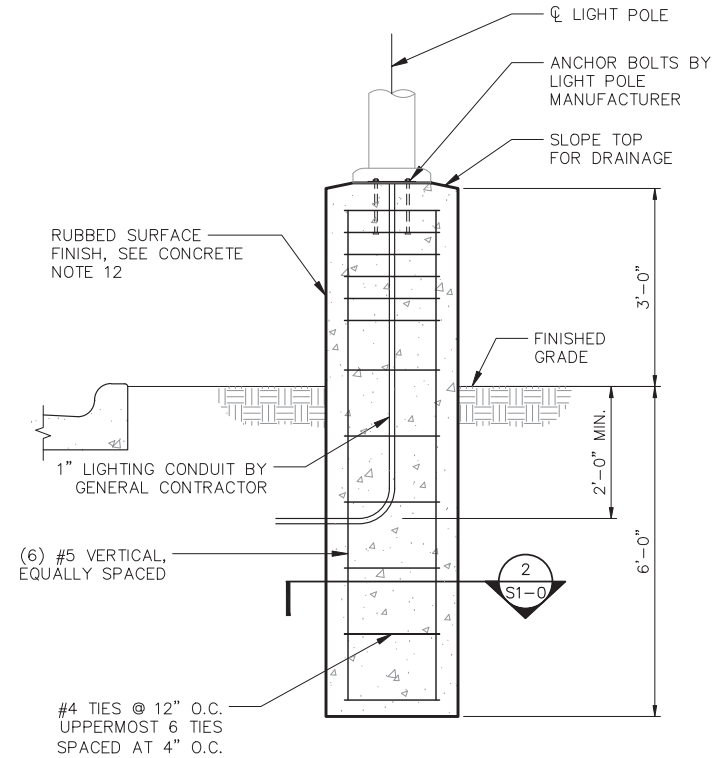
CONCRETE MASONRY UNITS: ASTM C90, 1900 PSI MIN. UNIT STRENGTH

MORTAR: ASTM C270, TYPE S

GROUT: ASTM C476, SLUMP = 8" TO 11", COMPRESSIVE STRENGTH f'c=3000 PSI

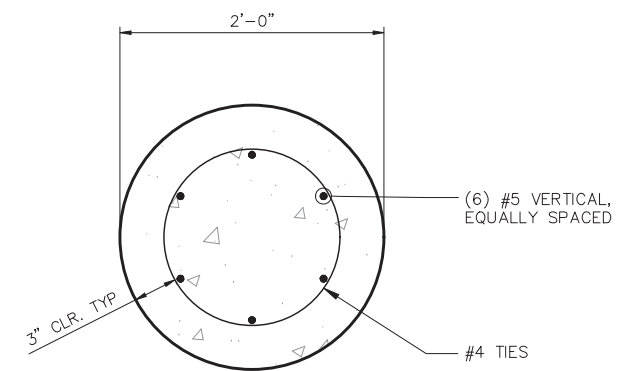
MASONRY ASSEMBLAGE: f'm=1500 PSI

REINFORCING STEEL: ASTM A615, GRADE 60
- MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE "BUILDING REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530) AND THE "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1).
- CMU BLOCK WALLS SHALL BE FULLY GROUTED BELOW GRADE. GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT UNLESS INDICATED OTHERWISE.
- ALL REINFORCEMENT SHALL HAVE A SPLICE LENGTH OF 48 BAR DIAMETERS.
- INSTALL REINFORCEMENT IN THE CENTER OF CELLS UNLESS INDICATED OTHERWISE.
- SECURE REINFORCING TO PREVENT MOVEMENT DURING GROUTING.



1 LIGHT POLE FOUNDATION SCALE: 3/4" = 1'-0"

NOTE: DESIGN BASED ON TWO LUMINAIRE FIXTURE WITH MAX COMBINED FIXTURE EPA OF 2.06 SQ. FT. MOUNTED ON A 18'-0" POLE WITH A WIND SPEED OF 142 MPH PER AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS (1ST EDITION, 2015). SEISMIC DESIGN IS NOT INCLUDED IN THIS SPECIFICATION.



2 LIGHT POLE FOUNDATION SECTION SCALE: 1 1/2" = 1'-0"

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 SUITE 200  
 CHARLOTTE, NC 28202  
 PHONE: (704) 333-5131  
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Professional Engineer Seal for James D. Dobrow, No. 33943, State of South Carolina, expires 11/26/2019.

NO.	DATE	REVISIONS

CLIENT: HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER STORE #423 HILTON HEAD  
 30 OFFICE PARK ROAD, HILTON HEAD ISLAND, SOUTH CAROLINA 29928  
 BEAUFORT COUNTY

TITLE: GENERAL NOTES & LIGHT POLE FOUNDATION

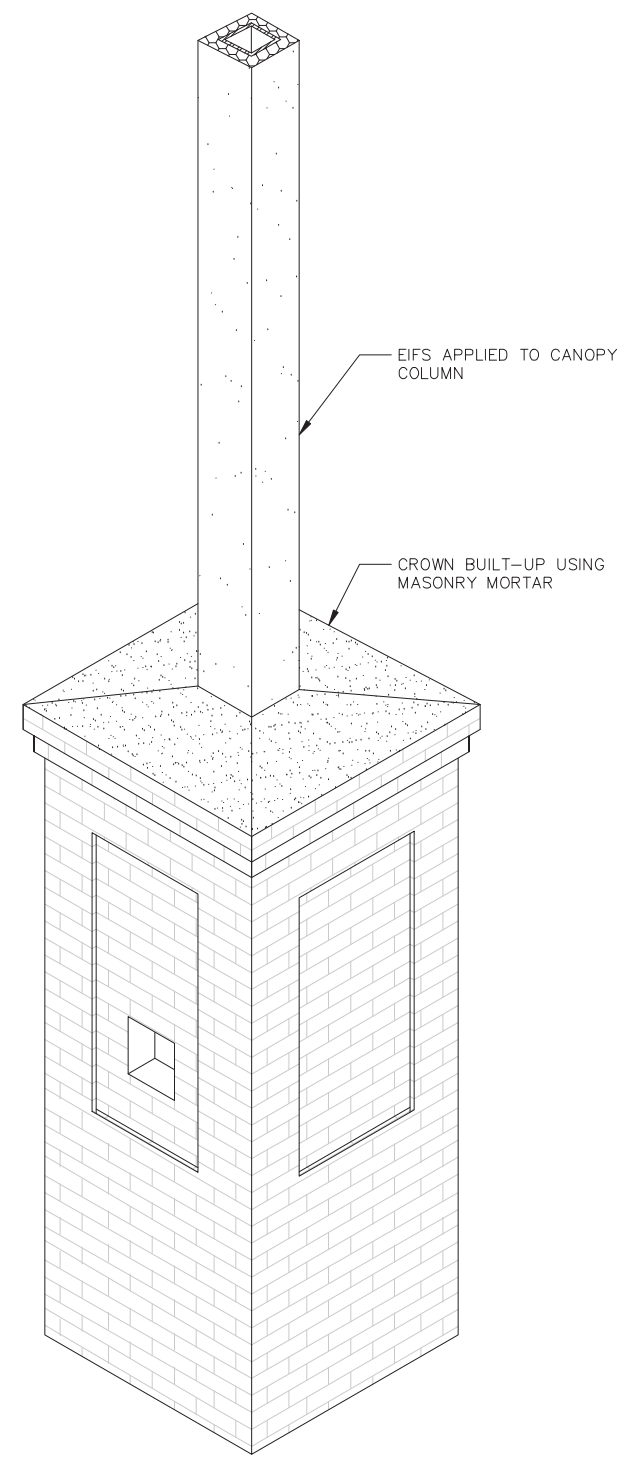
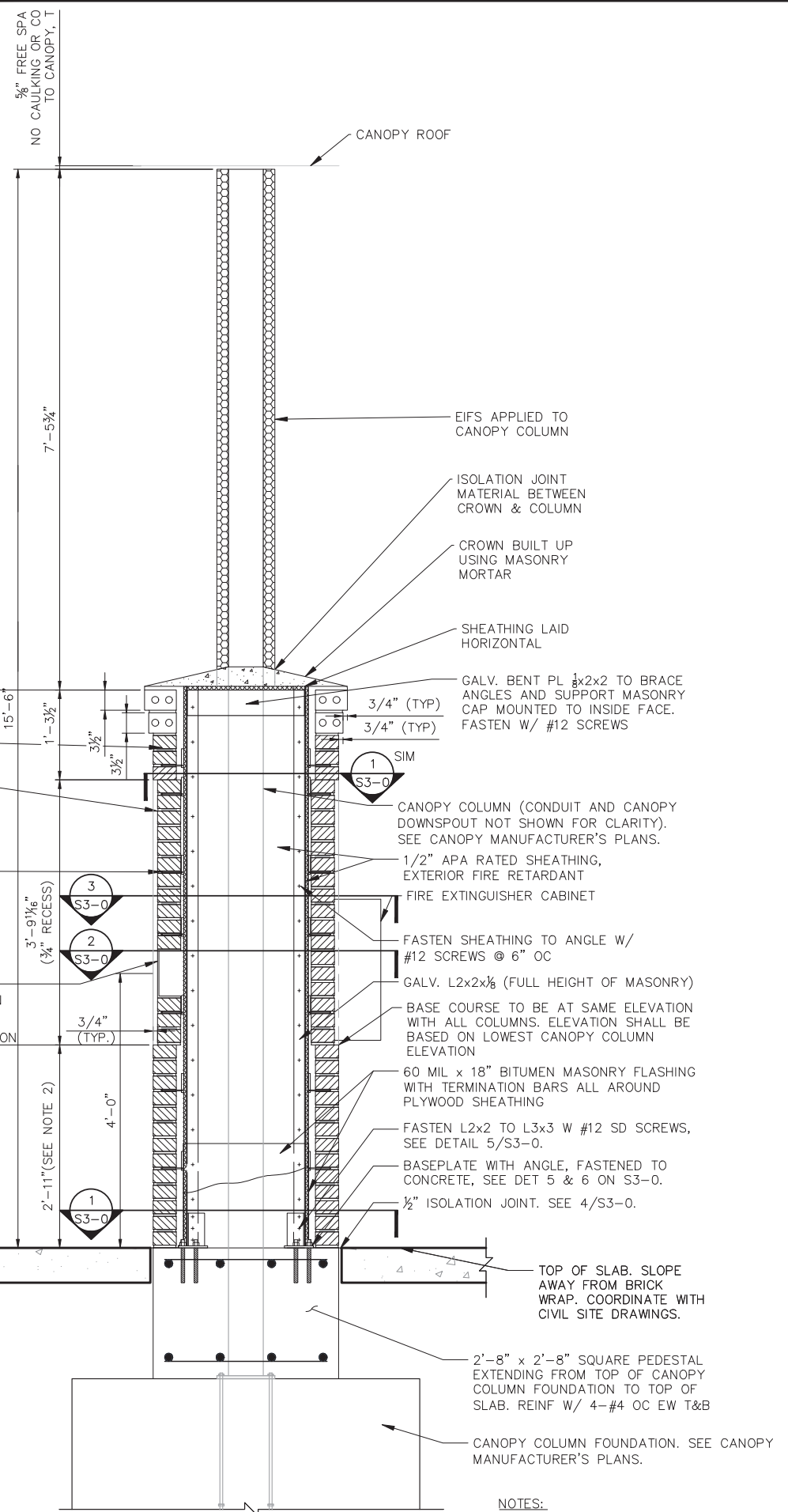
DESIGNED BY: MBF  
 DRAWN BY: JJD  
 CHECKED BY: MBF  
 DATE: 11/25/2019  
 PROJECT#: 015640123423

S1-0



November 21, 2019 - 11:41am Bg James.Dobrow

K:\RAL\_Structures\015640\Harris Teeter\015640\34 - 423 Hilton Head\CAD\Hilton Head.dwg



1 CANOPY COLUMN BRICK MASONRY WRAP  
SCALE: 1" = 1'-0"

- NOTES:
1. ALL CORNER BRICKS SHALL BE SOLID BRICKS.
  2. DIMENSION BASED ON BOTTOM OF CANOPY HEIGHT 15'-6". ACTUAL DIMENSION VARIES WITH FINISHED GRADE ELEVATION.

2 ISOMETRIC VIEW  
SCALE: NTS

NOTE: FOR REFERENCE ONLY. FOR COURSING, SEE 1/S2-0.

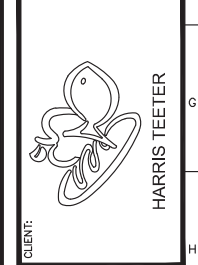
STRUCTURAL DESIGN REPRESENTED ON THIS DRAWING PERTAINS ONLY TO MASONRY VENEER CLADDING AND NON-STRUCTURAL PEDESTAL. DESIGN OF CANOPY STRUCTURE AND FOUNDATION IS BY OTHERS AND IS OUTSIDE THE SCOPE OF KIMLEY-HORN'S PROFESSIONAL RESPONSIBILITY

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NO.	DATE	REVISIONS



PROJECT: HARRIS TEETER FUEL CENTER STORE #423 HILTON HEAD  
30 OFFICE PARK ROAD  
HILTON HEAD ISLAND, SOUTH CAROLINA 29928  
BEAUFORT COUNTY

TITLE: CANOPY COLUMN BRICK MASONRY WRAP

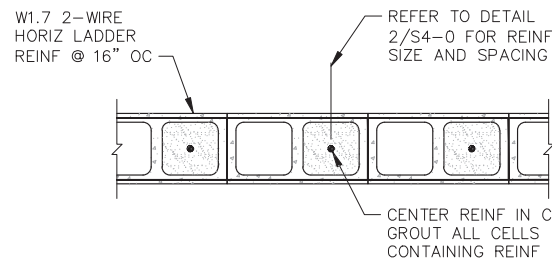
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DRAWN BY: JJD  
CHECKED BY: MBF  
DATE: 11/25/2019  
PROJECT#: 015640032

S2-0

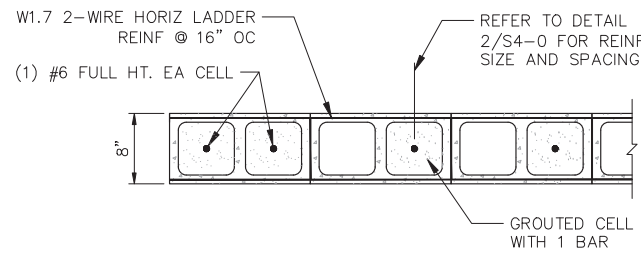




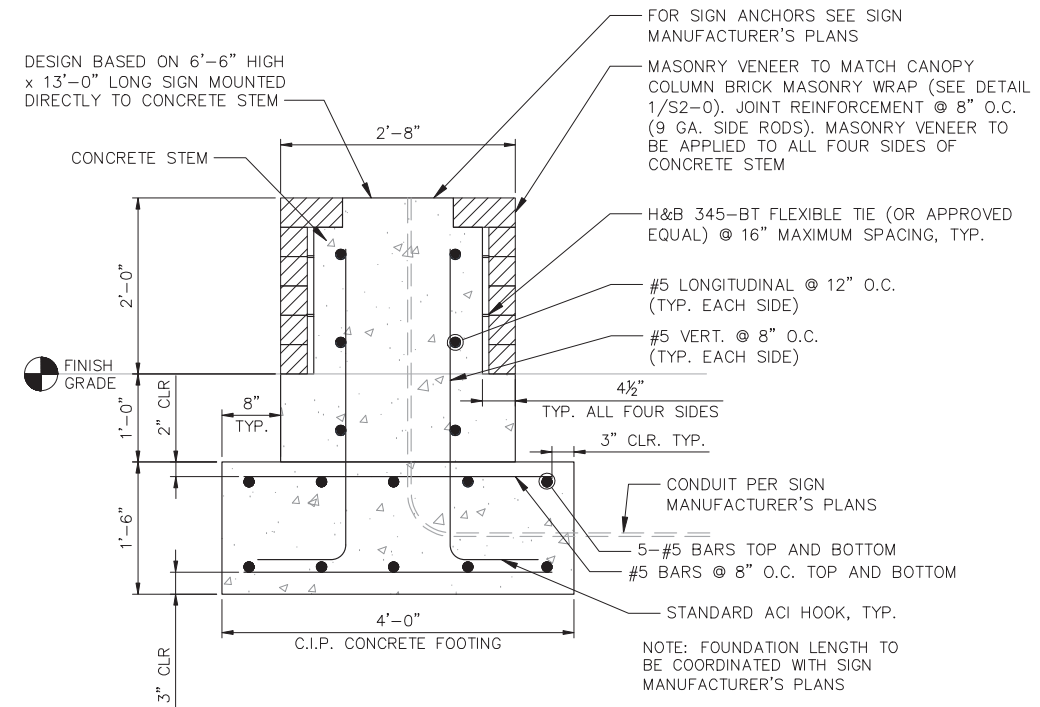
November 21, 2019 - 11:41am Bg James.Dobrow



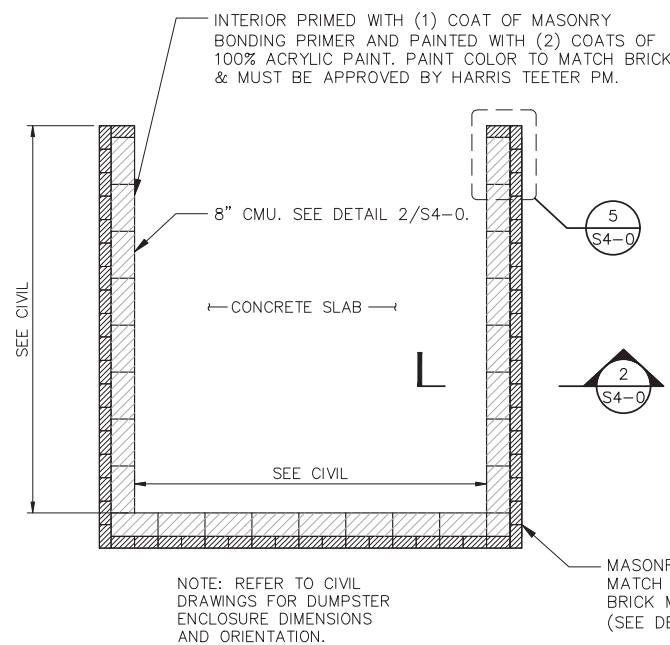
**4** TYPICAL CMU REINFORCEMENT - PLAN VIEW  
S4-0 SCALE: NTS



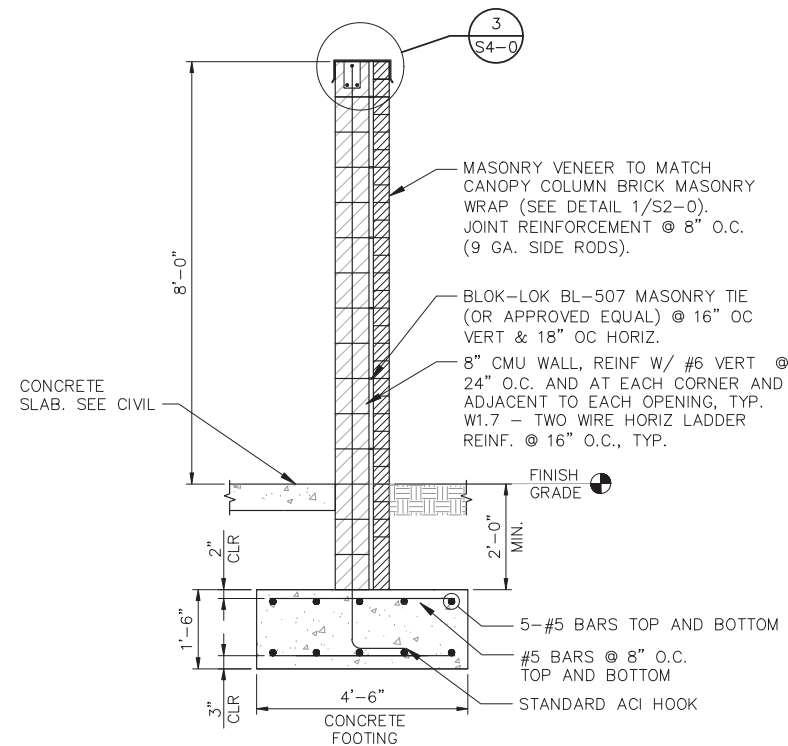
**5** END OF TYPICAL WALL - PLAN VIEW  
S4-0 SCALE: NTS



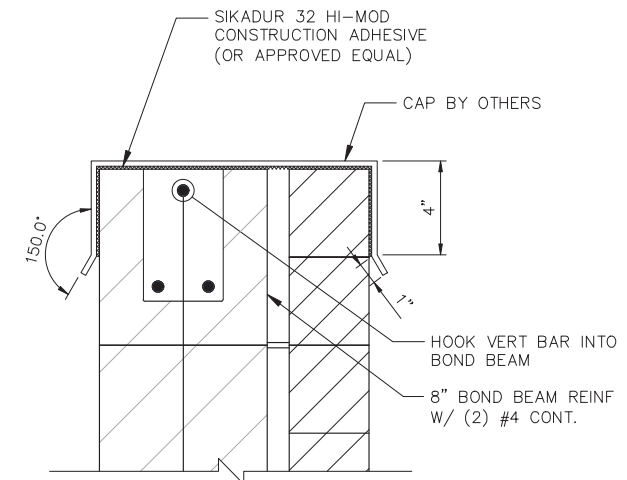
**6** FREESTANDING SIGN FOUNDATION  
S4-0 SCALE: NTS



**1** DUMPSTER ENCLOSURE PLAN  
S4-0 SCALE: NTS



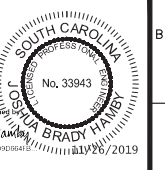
**2** SECTION THRU DUMPSTER ENCLOSURE  
S4-0 SCALE: NTS



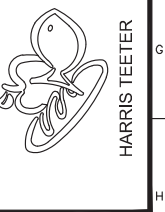
**3** DUMPSTER ENCLOSURE  
S4-0 SCALE: NTS

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NO.	DATE	REVISIONS



PROJECT:  
**HARRIS TEETER FUEL CENTER  
STORE #423 HILTON HEAD**  
30 OFFICE PARK ROAD  
HILTON HEAD ISLAND, SOUTH CAROLINA 29928  
BEAUFORT COUNTY

TITLE:  
**DUMPSTER WALL AND  
SITE WALL DETAILS**

DESIGNED BY: MBF  
DRAWN BY: JJD  
CHECKED BY: MBF  
DATE: 11/25/2019  
PROJECT#: 015640032

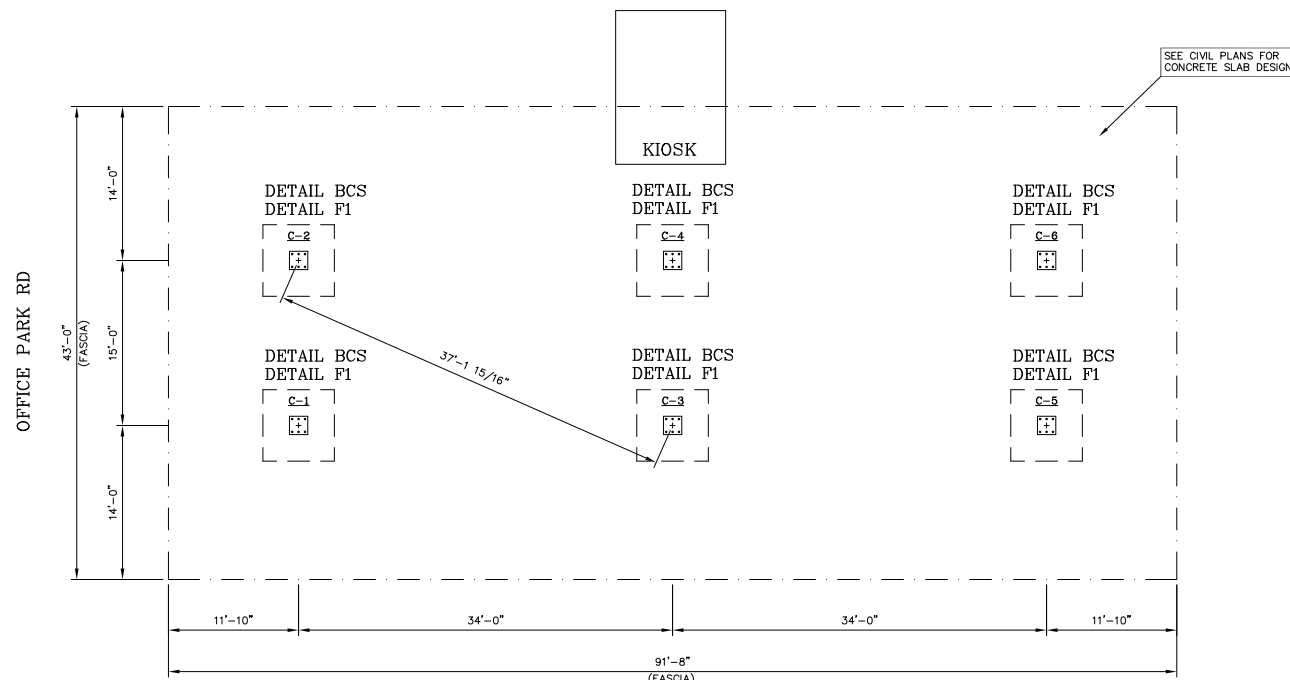
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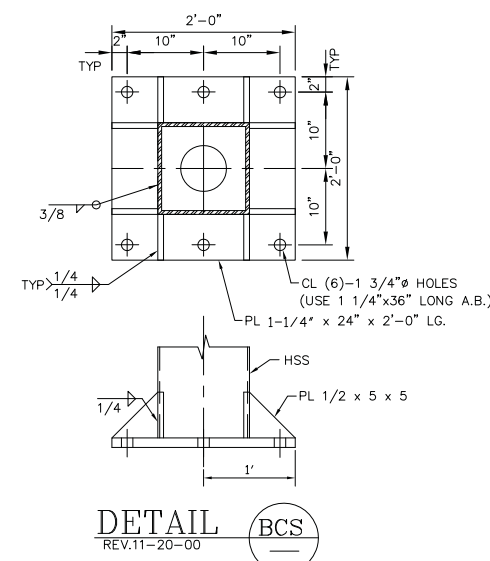


REVISIONS

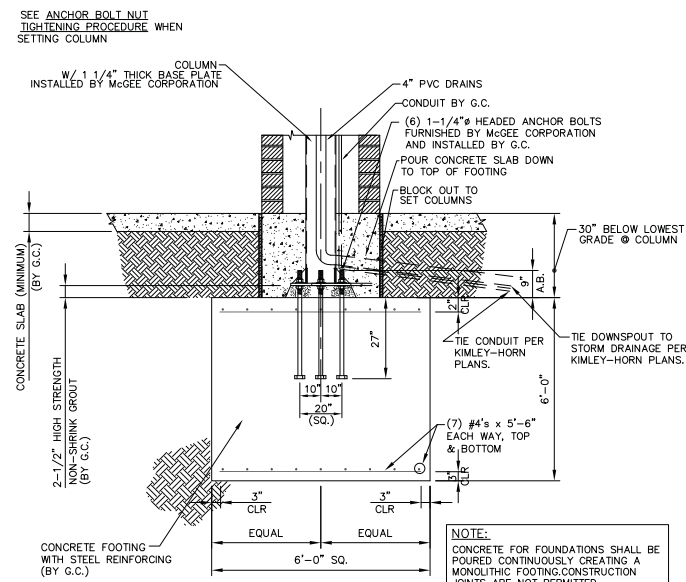
REV.	CHNG BY	APP'D BY	DATE	DESCRIPTION
A	RTB		08/29/19	REVISED FINISHED GRADE, TOP OF FOOTING AND HIGH POINT PER CUSTOMER REQUEST
B	MSP		10/21/19	REVISED MANSARD PITCH AND ADDED DECK REINFORCEMENTS.
C	MSP		3/31/20	REVISED STEEL LAYOUT FOR DOUBLE PITCH.
D	MSP		5/1/20	REVISED TO ADD DECORATIVE GUTTER.



**FOUNDATION PLAN**  
ALL DIAGONAL DIMENSIONS SHOWN ARE GIVEN TO CL OF COLUMN

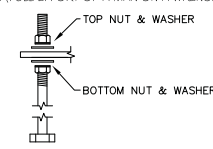


**DETAIL BCS**  
REV.11-20-00



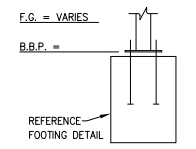
**DETAIL F1**

**ANCHOR BOLT NUT TIGHTENING PROCEDURE:**  
SET AND PLUMB THE COLUMN, PER AISC ERECTION PROVISIONS, WITH DOUBLE NUTS ON THE REQUIRED NUMBER OF ANCHOR BOLTS. THE BOTTOM NUT SHALL HAVE A FLAT WASHER BETWEEN THE BOTTOM OF BASEPLATE AND THE TOP OF THE NUT. THE TOP NUT SHALL HAVE A WASHER BETWEEN THE TOP OF BASEPLATE AND THE BOTTOM OF THE NUT. AFTER THE COLUMN IS SET AND PLUMB, TIGHTEN THE TOP NUT TO A SNUG TIGHT CONDITION WITH TOP OF THE BASEPLATE (FULL EFFORT OF A MAN ON A WRENCH).



**LEGEND**  
F.G. = FINISHED GRADE (DRIVE SLAB AT COL.)  
F.F. = FINISHED FLOOR  
B.B.P. = BOTTOM OF BASE PLATE  
T.O.I. = TOP OF ISLAND  
T.O.F. = TOP OF FOOTING  
D = DRAIN DIRECTION  
V = VENT DIRECTION (SIZE & QTY.)  
C = CONDUIT DIRECTION (SIZE & QTY.)

HIGH POINT UNDER CANOPY = 10.51  
TOP OF BUILDING = \_\_\_\_\_  
F.G. = VARIES



PLEASE REVIEW ALL DRAWINGS, SIGN AND RETURN FOR FABRICATION OF CANOPY

CANOPY SIZE	COLUMN SPACING	CLEARANCE	SIGNAGE	DECALS	LIGHTS
<input type="checkbox"/> APPROVED AS SUBMITTED	<input type="checkbox"/> APPROVED AS SUBMITTED	<input type="checkbox"/> APPROVED AS SUBMITTED	<input type="checkbox"/> NUMBER APPROVED AS SUBMITTED	<input type="checkbox"/> APPROVED AS SUBMITTED	<input type="checkbox"/> NUMBER APPROVED AS SUBMITTED
<input type="checkbox"/> APPROVED WITH NOTED CHANGES	<input type="checkbox"/> APPROVED WITH NOTED CHANGES	<input type="checkbox"/> APPROVED WITH NOTED CHANGES	<input type="checkbox"/> LAYOUT APPROVED AS SUBMITTED	<input type="checkbox"/> APPROVED WITH NOTED CHANGES	<input type="checkbox"/> LAYOUT APPROVED AS SUBMITTED
			<input type="checkbox"/> APPROVED WITH NOTED CHANGES		<input type="checkbox"/> APPROVED WITH NOTED CHANGES

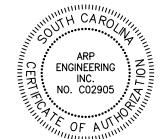
ELEVATION FORMS FORWARDED TO GENERAL CONTRACTOR   
APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_  
NOTE: SIGNED SALES ORDER, APPROVAL DRAWINGS, AND A COMPLETED ELEVATION FORM MUST BE RECEIVED AT LEAST 3 WEEKS PRIOR TO DELIVERY OF ANY CANOPY MATERIALS.  
REQUESTED DELIVERY DATE: \_\_\_\_\_

**SITE CONDITIONS / REQUIREMENTS**

- PROVIDE A DRIVE ACCESSIBLE AREA TO WITHIN 15'-0" FROM THE EDGE OF CANOPY FASCIA IN ORDER TO UNLOAD MATERIALS AND PERFORM WORK.
- FILL ALL OPEN TANK HOLES AND TRENCHES WITHIN 15'-0" FROM THE EDGE OF CANOPY FASCIA FROM THE TIME THAT THE STRUCTURE ARRIVES AND UNTIL ERECTION IS COMPLETE.
- THE JOB SITE MUST BE GRADED LEVEL WITH NO SWELLS, DITCHES, OR TOPOGRAPHICAL IRREGULARITIES WITHIN 15'-0" FROM THE EDGE OF CANOPY FASCIA. ANY CONCRETE POURED PRIOR TO McGEE'S ARRIVAL MUST HAVE HAD AMPLE TIME TO CURE AND BE ABLE TO SUPPORT THE WEIGHT OF McGEE'S TRAILERS AND CRANES.
- THE JOB SITE MUST BE DRY ENOUGH FOR McGEE'S VEHICLES AND PERSONNEL TO PERFORM WORK. IF NECESSARY THE GENERAL CONTRACTOR SHOULD LAY GRAVEL IN EXCESSIVELY MUDDY AREAS TO ENSURE ADEQUATE WORK CONDITIONS.
- POURED CONCRETE PAVING UNDER THE CANOPY TO BE EXCLUSIVELY FOR WORK SPACE AND STORAGE OF MATERIALS.
- REMOVE ALL OVERHEAD OBSTRUCTIONS.
- FORM, SET, AND POUR FOUNDATIONS PER McGEE'S SITE SPECIFIC APPROVED FOUNDATION PLAN. ALL FORMS SHALL BE REMOVED PRIOR TO McGEE'S ARRIVAL. ALL THREADS SHALL BE FREE FROM DEBRIS AND DUST AND SHALL BE ACCESSIBLE.
- INSTALL ALL ANCHOR BOLTS W/ NUTS. SET AT PROPER ELEVATIONS WITH NO MORE THAN 1/4" TOLERANCE.
- PROVIDE TEMPORARY POWER SOURCE (110 VOLTS) WITHIN 100 FEET OF THE STRUCTURE FOR INSTALLERS USE.
- OBTAIN ALL REQUIRED PERMITS FROM LOCAL AUTHORITIES AND ARRANGE ALL LOCAL INSPECTIONS.
- VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. ANY DEVIATIONS FROM THESE DRAWINGS DUE TO FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER FOR MODIFICATIONS.

**GENERAL NOTES**

- MINIMUM REQUIRED SOIL BEARING PRESSURE OF 2,500 PSF SHALL BE PROVIDED BY THE OWNER PER THE GEOTECHNICAL REPORT BY ECS SOUTHEAST, LLP DATED MARCH 13, 2019, ECS PROJECT No. 34-33609. \*This recommendation assumes that fill heights and building loads are no greater than those assumed, the preloading period is implemented, liquefaction risk is accepted or mitigated, and subgrade preparation and earthwork operations are completed in strict accordance with the recommendations of this report.
- FOUNDATIONS (WHERE SHOWN) HAVE BEEN SIZED FOR GIVEN LOADS AND ALLOWABLE SOIL PRESSURE. THEIR DESIGN ASSUMES THAT THERE ARE NO NEARBY OBSTRUCTIONS THAT WOULD BE DETRIMENTAL TO THEIR PROPER FUNCTION. THE ENGINEER OF RECORD SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF FOUNDATIONS FOR THE RESOLUTION OF ANY CONFLICT. WHERE A FOUNDATION DETAIL IS NOT SHOWN, McGEE CORPORATION AND THEIR ENGINEERS TAKE NO RESPONSIBILITY FOR THE FOUNDATION DESIGN.
- ASTM F1554 GRADE 36 ANCHOR BOLTS & WOOD TEMPLATES SHALL BE FURNISHED BY McGEE CORP.
- ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI):  
"BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-14)  
"SPECIFICATIONS FOR STRUCTURAL CONCRETE" (ACI 301)  
"HOT WEATHER CONCRETING" (ACI 305R)  
"COLD WEATHER CONCRETING" (ACI 306R, ACI 306.1)
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI AND A MINIMUM UNIT WEIGHT OF 145 PCF. REINFORCING STEEL SHALL BE NEW BILLET STEEL DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.
- NON-SHRINK GROUT SHALL CONFORM TO ASTM C1107, STANDARD SPECIFICATION FOR PACKAGED DRY, HYDRAULIC CEMENT GROUT (NONSHRINK). GROUT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 8000 PSI WHEN TESTED ACCORDING TO ASTM C109, STANDARD TEST METHOD OF HYDRAULIC CEMENT MORTARS. GROUT SHALL NOT CONTAIN CALCIUM CHLORIDE OR INTENTIONALLY ADDED CHLORIDES. GROUT SHALL BE PLACED PER MANUFACTURER'S RECOMMENDATIONS.
- STRUCTURAL STEEL SHALL CONFORM TO  
Wide Flange Beams - ASTM A992, Grade 50, Fy = 50 KSI  
Angle and Channel - ASTM A36, Fy = 36 KSI  
Plate - ASTM A36, Fy = 36 KSI  
HSS - ASTM A500 SHAPED, Grade C, Fy = 50 KSI  
ASTM A500 ROUND, Grade C, Fy = 46 KSI
- ALL WELDED CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH LATEST AWS SPECIFICATIONS, USING E70XX ELECTRODES. ALL WELDING SHALL BE PERFORMED BY AN AWS CERTIFIED WELDER.
- BOLTS SHALL BE HIGH STRENGTH CONFORMING TO ASTM A325-N. BOLTS SHALL BE TIGHTENED TO THE "SNUG-TIGHT CONDITION" PER AISC AND RCSC SPECIFICATIONS. THE "SNUG-TIGHT CONDITION" IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PILES INTO FIRM CONTACT. ALL OF THE BOLTS SHALL BE TIGHTENED SUFFICIENTLY TO PREVENT THE REMOVAL OF THE NUTS WITHOUT THE USE OF A WRENCH.
- ERECTION OF STEEL STRUCTURE SHALL BE PERFORMED PER ALL AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) ERECTION PROVISIONS.
- STRUCTURAL AND MISCELLANEOUS STEEL SUBJECTED TO EXTERIOR EXPOSURE HAS BEEN PRIMED COATED ONLY. FIELD TOUCH-UP, FINISH PAINTING AND MAINTENANCE ARE THE RESPONSIBILITY OF THE OWNER.
- LIGHT GAUGE COLD FORMED SHAPES SHALL CONFORM TO ASTM A653 AND ASTM C-955. ALL MEMBERS SHALL BE FORMED FROM MATERIAL HAVING A 50 KSI MINIMUM YIELD STRENGTH.
- STRUCTURAL DESIGN CRITERIA:  
Governing Codes = 2015 IBC AND ASCE 7-10  
Risk Category = II  
Roof Live Load = 20 PSF  
Roof Snow Load = 0 PSF (Flat Roof + Drifting)  
Roof Snow Design (ASCE 7-10):  
Ground Snow Load - Pg = 0 PSF  
Flat roof Snow Load - Pf = 0 PSF  
Exposure Factor - Ce = 1.0  
Importance Factor - I = 1.0  
Thermal Factor - Ct = 1.2  
Wind Design (ASCE 7-10):  
Basic Wind Speed (3 Sec. Gust) - Vult = 142 MPH  
Vasd = 110 MPH  
Exposure - "C"  
Importance Factor - I = 1.0  
Earthquake Design (ASCE 7-10):  
Importance Factor - I = 1.0  
Site Class - E  
Spectral Response Coefficients -  
Ss = 0.386 g F0 = 2.064 Sds = 0.532 g  
S1 = 0.139 g Fv = 3.362 Sd1 = 0.314 g  
Seismic Design Category - D  
Basic Seismic - Force - Resisting System -  
Steel Special Cantilevered Column System  
Response Modification Coefficient - R = 2 1/2  
System Overstrength Factor - Ibs = 1 1/4  
Deflection Amplification Factor - Cd = 2 1/2  
Analysis - Equivalent Lateral Force Procedure  
Seismic Base Shear (V) = 8.37 k

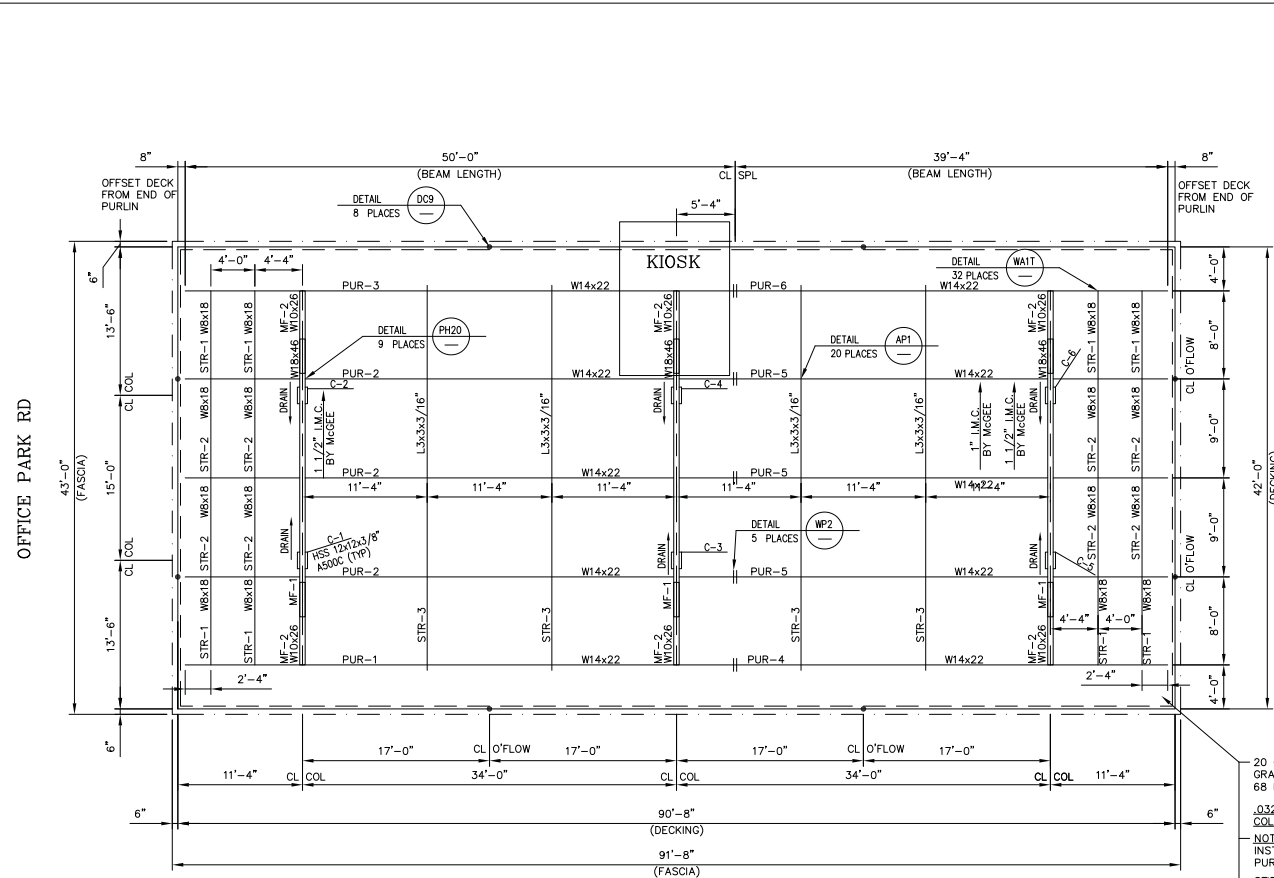


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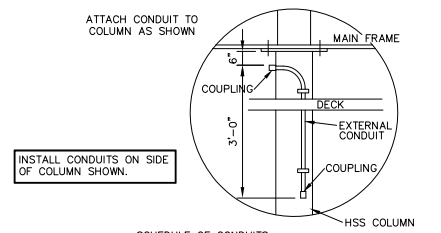
<b>McGEE CORPORATION</b> 12701 East Independence Blvd., P.O. Box 1375 Matthews, NC 28105-1375 Phone: (704) 882-1500 Watts: (800) 526-5589	PRJ. JOB NO. HARRIS TEETER #423 33 OFFICE PARK RD. HILTON HEAD, SC 29928 (BEAUFORT)	FINAL JOB NO. 57622	DRAWING NO. P057622
	SCALE: 1/8"=1'-0" DATE: 8/8/19	IN ACCORDANCE WITH REV. LETTER: D	DRAWN BY: MSP CHK'D BY:

**METAL CANOPY 43'-0" x 91'-8"**  
**FOUNDATION PLAN**



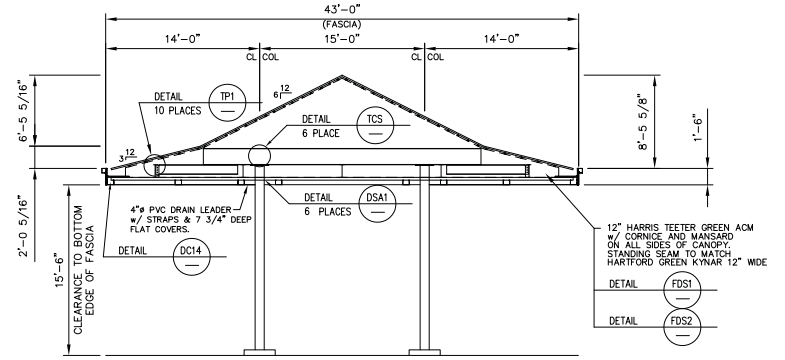
**CANOPY ROOF PLAN**

INSTALLERS NOTE: DECKING TO OVERHANG PURLINS 8" EACH END. SEE DETAIL BE1



SCHEDULE OF CONDUITS

COLUMN NUMBER	# OF CONDUITS	SIZE	INTENDED USE
2	1	1-1/2"	POWER PANEL (BY MCGEE EXTERNAL TYP.)
5	1	1"	POWER PANEL (BY MCGEE EXTERNAL TYP.)
5	1	1-1/2"	POWER PANEL (BY MCGEE EXTERNAL TYP.)



CANOPY TO HAVE BELOW GROUND DRAINAGE SYSTEM WITH 4" PVC INTERNAL DRAINS. SEE ROOF PLAN FOR DETAILS.

**MAIN FRAME DETAIL**

LIGHT GAUGE MANSARD TRUSSES SHALL BE DESIGNED AND DETAIL BY STEEL I.C. LIGHT GAUGE TRUSS DESIGN DRAWINGS SHALL BE SEALED BY AN ACTIVE PROFESSIONAL ENGINEER IN NORTH CAROLINA EMPLOYED BY STEEL I.C. OF STEEL SHALL COORDINATE LIGHT GAUGE TRUSS DESIGN AND DETAILING WITH THESE DRAWINGS.

20 GA. WHITE EMBOSSED GRAND SPAN 16.0" STEEL DECKING 68 PANELS @ 42'-0"  
 .032 ALUMINUM GUTTER SYSTEM COLOR TO MATCH DECK  
 NOTE: CANOPY BEAM CLIPS MUST BE INSTALLED ON BOTH SIDES OF THE PURLIN. (SEE DETAIL CP4)  
 STITCH DECKING WITH TEK @ MIDSPAN BETWEEN PURLINS, 2" MINIMUM FROM FLAT SIDE OF DECK PAN. (INDICATED ON ROOF PLAN WITH DASHED LINE)  
 DETAIL CP4

**ANCHOR BOLT SHIPPING REQUIREMENTS**

ANCHOR BOLT USE	BOLT DESCRIPTION	QUANTITY
BCS-BASE PLATE (6 PLACES)	1-1/4" x 36" LONG HEX HEADED ANCHOR BOLTS	36

**HARDWARE LIST BREAK-DOWN (REFERENCE ONLY)**

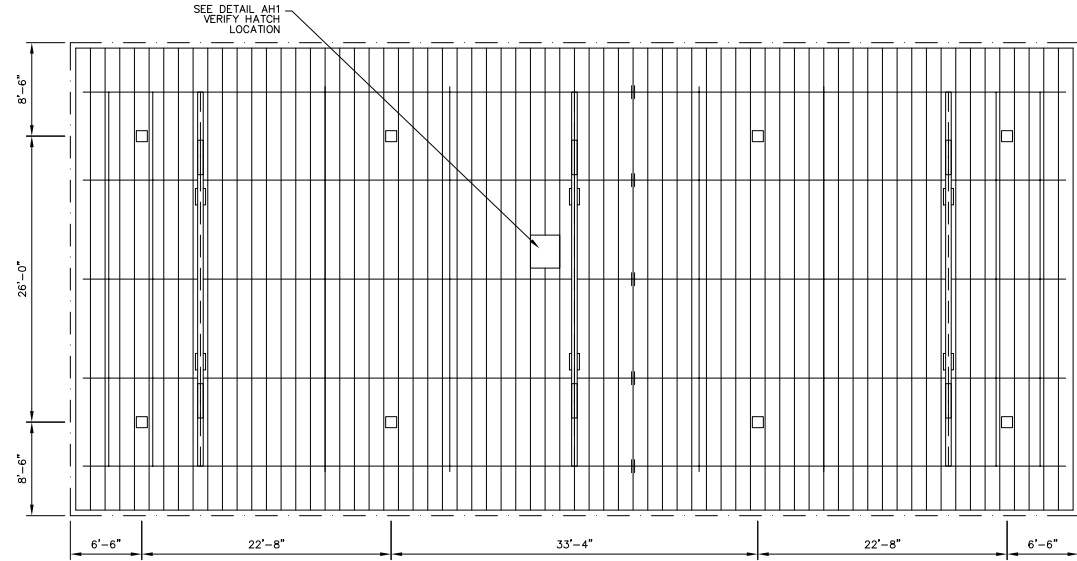
ITEM USE (# OF PLACES FOR CHECKING ONLY)	DESCRIPTION	QUANTITY
TCS-TOP PLATE (6 PLACES)	3/4" x 3" BOLTS w/ NUTS	24
WP2-BEAM SPLICE (5 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	30
WP2-BEAM SPLICE (5 PLACES)	6x10x1/4" PLATE	5
PH20-CONNECTION (9 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	36
API-CONNECTION (20 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	20
WAIT-CONNECTION (32 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	72
WAIT-CONNECTION (32 PLACES)	3x3x1/4x5 1/2 LG. ANGLE	64
FDS1-CONNECTION (6 PLACES)	3/4" x 1 1/2" BOLTS w/ NUTS	66

**CANOPY SHIPPING STEEL HARDWARE MANIFEST**

QUANTITY	DESCRIPTION	QUANTITY SHIPPED	PULLED BY	CHECKED BY	TRAILER #	LOADED BY
158	5/8" x 2-1/2" BOLTS w/ NUTS					
66	3/4" x 1 1/2" BOLTS w/ NUTS					
24	3/4" x 3" BOLTS w/ NUTS					
5	(WP2) 6x10x1/4" PLATE					
64	(WAIT) 3x3x1/4x5 1/2 LG. ANGLE					

**CANOPY SHIPPING MANIFEST**

QUANTITY	DESCRIPTION	TOP PLATE	BASE PLATE	PLATE DRAINS	W/S & CONDUIT	VENT
3	MF-1 W18X46 (25'-3")					
6	MF-2 W10X26 (7'-5 1/4")					
1	PUR-1 W14X22 (49'-11 7/8")					
3	PUR-2 W14X22 (49'-11 7/8")					
1	PUR-3 W14X22 (49'-11 7/8")					
1	PUR-4 W14X22 (39'-3 7/8")					
3	PUR-5 W14X22 (39'-3 7/8")					
1	PUR-6 W14X22 (39'-3 7/8")					
8	STR-1 W8X18 (7'-10 1/2")					
8	STR-2 W8X18 (8'-10 1/2")					
4	STR-3 L3x3x3/16" (35'-0")					
6	COL 1,2,3,4,5,6 HSS 12x12x3/8"					
1-Lot	HARDWARE					



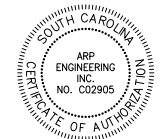
**CANOPY LIGHTING LAYOUT**  
 FURNISH AND INSTALL (8) WHITE LSI CRU SC LED LW 50 MTD LIGHT FIXTURES. LIGHT LAYOUT BY CUSTOMER.

CAD FILE NO./PLOT SCALE  
 1/8"=1'-0"  
 57622

**ERECTION NOTES:**  
 REVIEW PLANS & DETAILS PRIOR TO INSTALLATION.  
 INSTALL BEAMS ACCORDING TO MARKED END #'S ON ROOF PLAN.  
 BEAM OVERHANG IS 4" LONGER ON RIGHT HAND END OF CANOPY. IF APPLICABLE, SAME APPLIES FOR BEAM OVERHANG AT TEE.  
 THIS IS TO ALLOW FOR DECK PANEL GROWTH.  
 INSTALL DECK PANELS FROM LEFT TO RIGHT ON MAIN CANOPY , IF APPLICABLE SAME APPLIES FOR TEE.  
 SEE ROOF PLAN FOR PROPER SLOPE AND HOW SLOPE IS ACQUIRED.  
 SEE FASCIA DETAILS WHICH ALSO REFERS BACK TO GENERAL NOTES FOR OUTRIGGER SPACINGS.

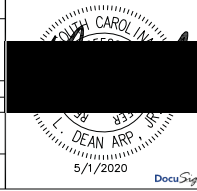
**MCGEE CORPORATION**  
 12701 East Independence Blvd., P.O. Box 1375  
 Matthews, NC 28106-1375  
 Phone: (704) 882-1500  
 Fax: (800) 526-5589

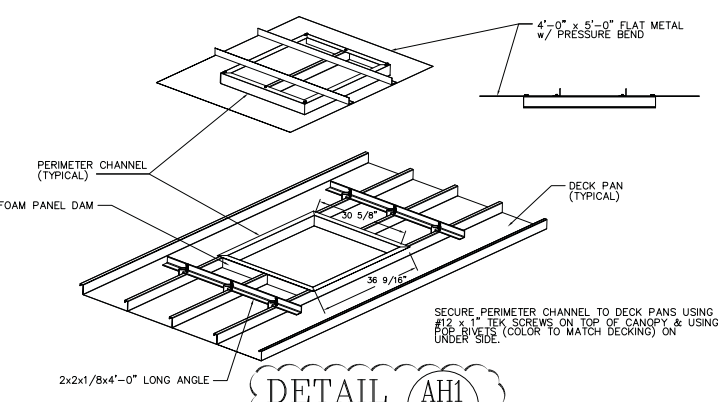
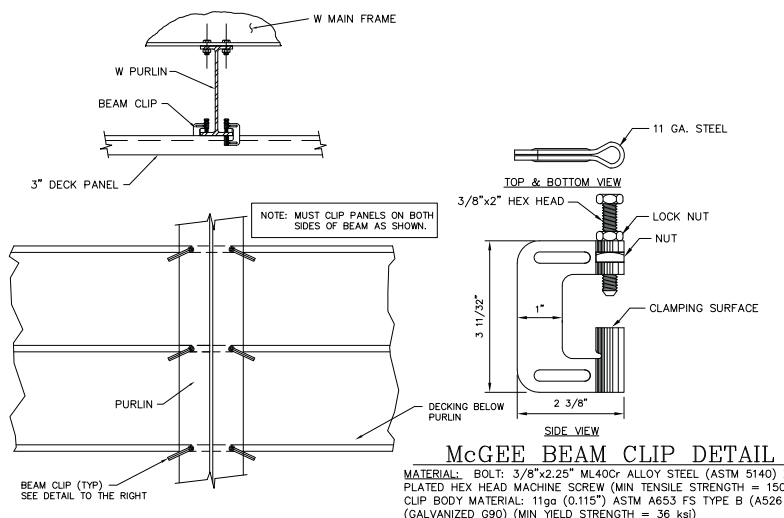
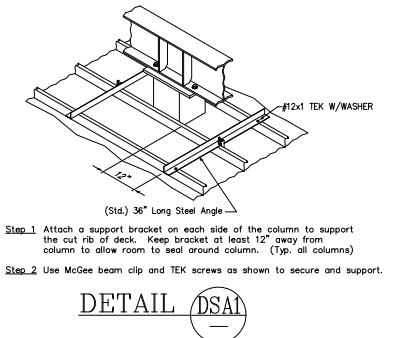
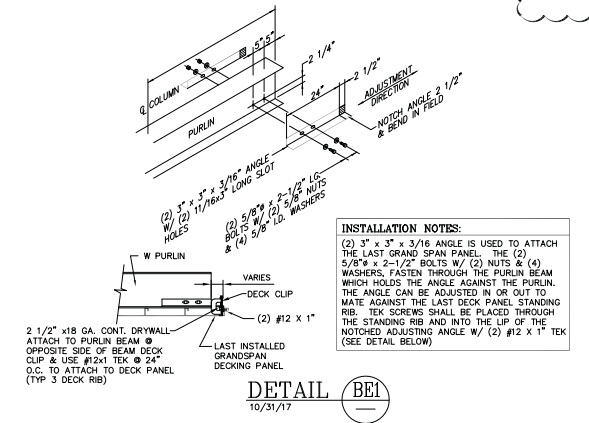
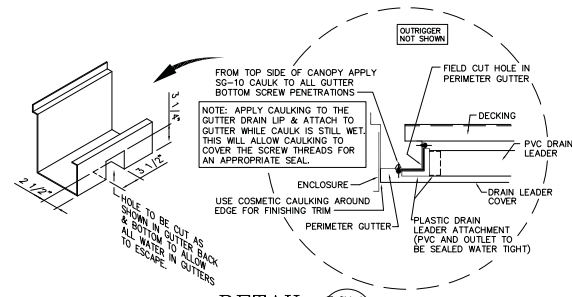
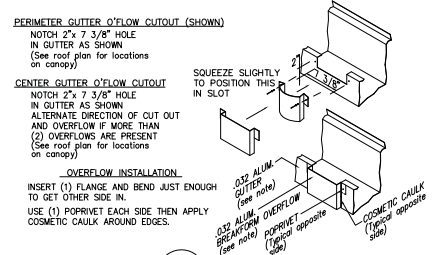
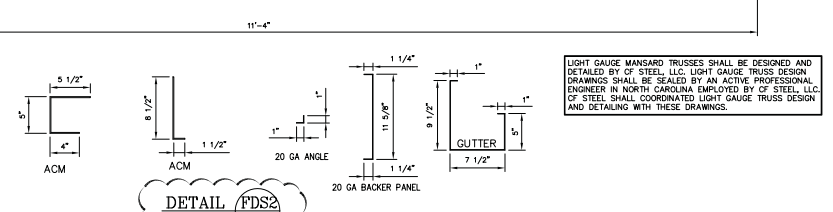
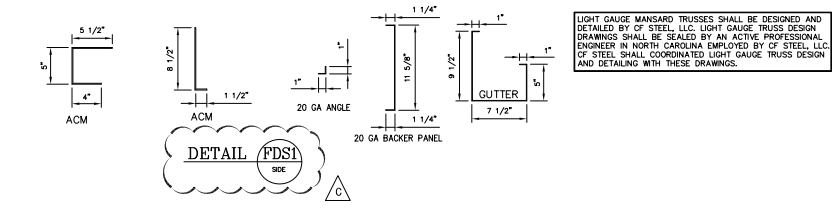
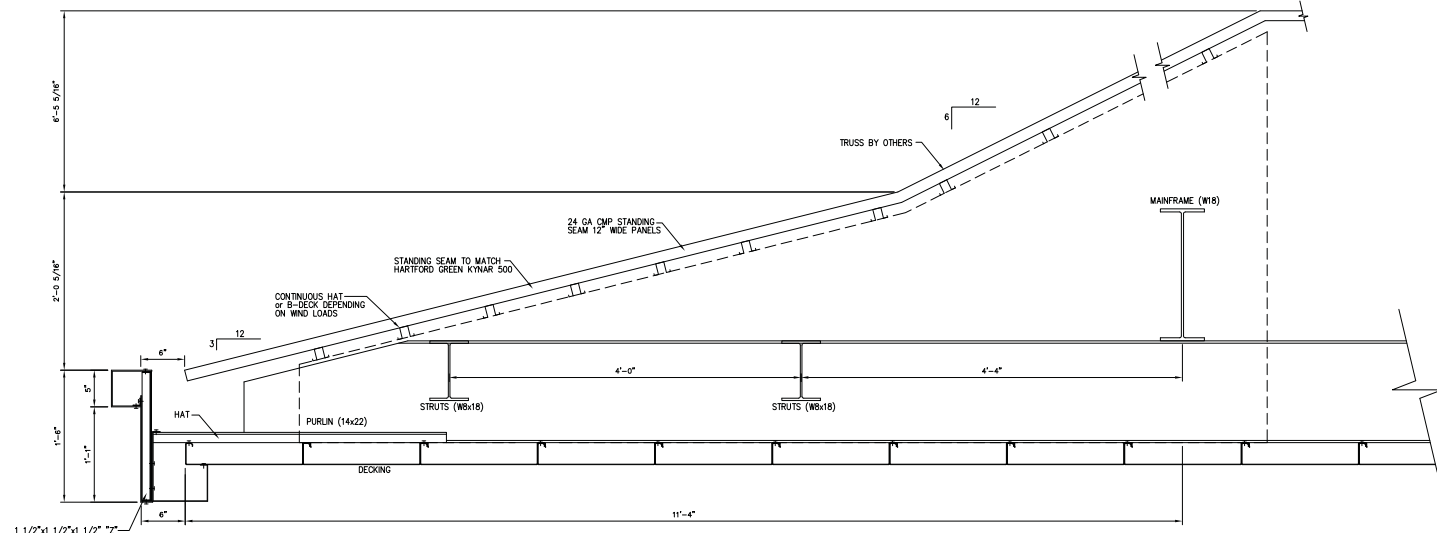
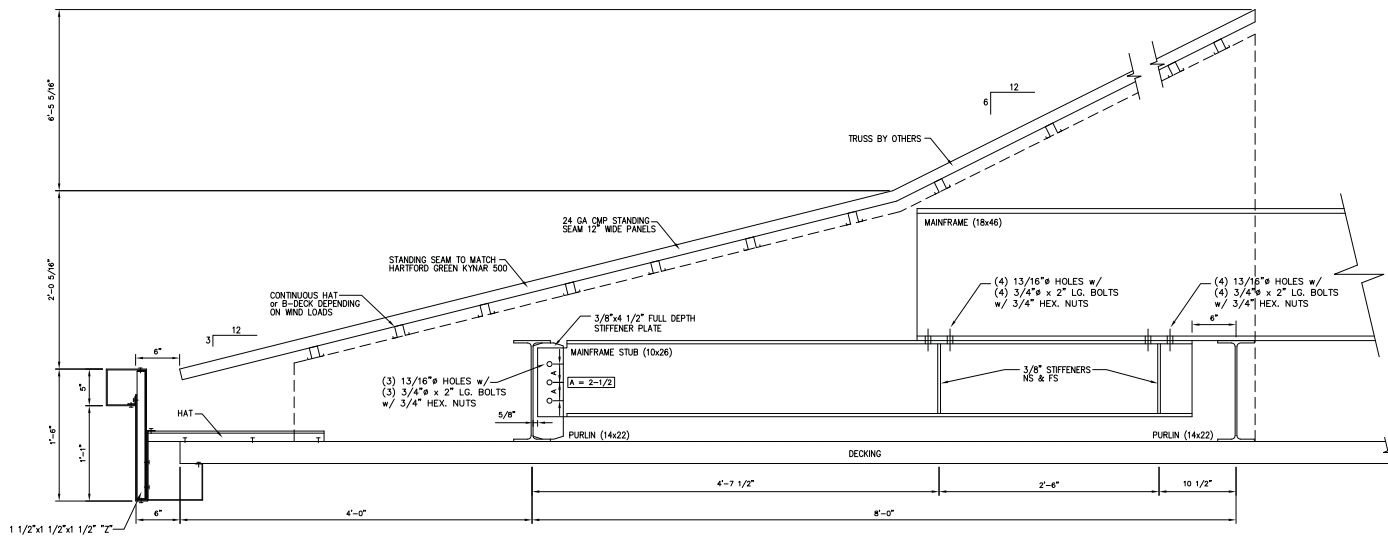
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 FINAL JOB NO. 57622  
 DRAWING NO. P057622A  
**HARRIS TEETER #423**  
 33 OFFICE PARK RD.  
 HILTON HEAD, SC 29928 (BEAUFORT)  
 SCALE: 1/8"=1'-0"  
 DATE: 8/8/19  
 IN ACCORDANCE WITH REV. LETTER: D  
 DRAWN BY: MSP  
 CHK'D BY:  
**METAL CANOPY 43'-0" x 91'-8"**  
**ROOF PLAN & DETAILS**  
 SHEET NO. 2 OF 5  
 5/1/2020



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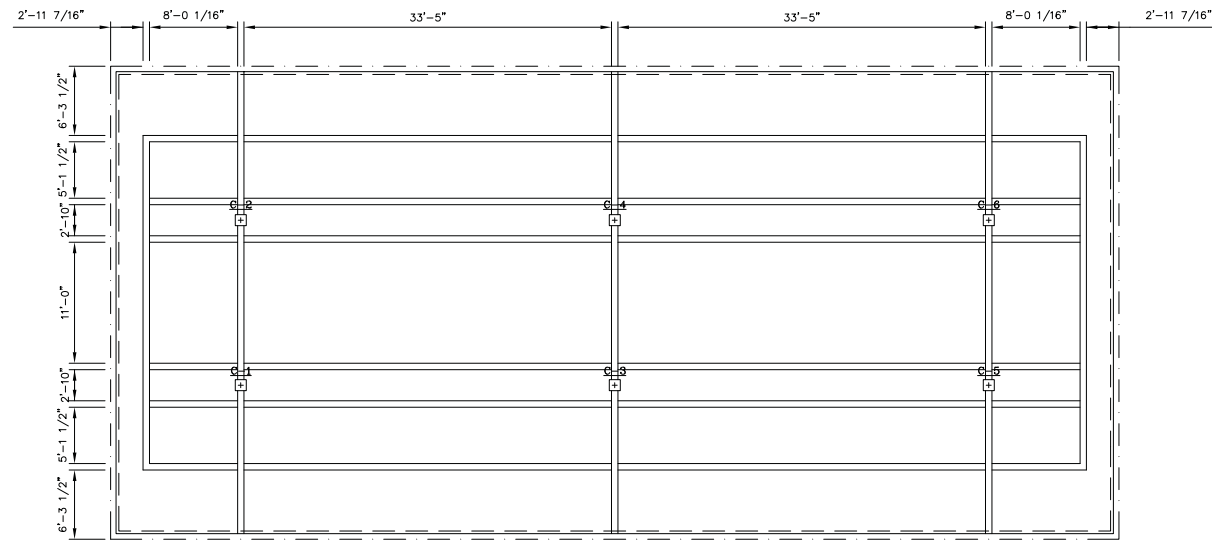
**McGEE BEAM CLIP DETAIL**  
 MATERIAL: BOLT: 3/8"x2.25" ML40C-2 ALLOY STEEL (ASTM 5140) ZINC PLATED HEX HEAD MACHINE SCREW (MIN TENSILE STRENGTH = 150 ksi)  
 CLIP BODY MATERIAL: 11ga (0.115") ASTM A653 FS TYPE B (A526 CQ) (GALVANIZED G90) (MIN YIELD STRENGTH = 36 ksi)  
 McGEE BEAM CLIP INSTALLATION PROCEDURE: SET BEAM CLIP WITH BOLT ON TOP OF BEAM FLANGE AND CLAMPING SURFACE UNDER DECK RIB. PUSH CLIP AGAINST DECK AND BEAM FLANGE WITH BOLT AS FAR ONTO BEAM FLANGE AS POSSIBLE. WHILE KEEPING BEAM CLIP VERTICAL, TURN BOLT TO SNUG TIGHT WITHOUT BURROWING INTO STEEL BEAM FLANGE. THEN PROCEED TO TURN BOLT 3/4 TURN (270°). TIGHTEN LOCK NUT MAKING SURE THAT BEAM CLIP REMAINS IN POSITION.

<b>McGEE CORPORATION</b> 12701 East Independence Blvd., P.O. Box 1375 Matthews, NC 28106-1375 Phone: (704) 882-1500 Watts: (800) 526-5589	PR. JOB NO.	FINAL JOB NO.	DRAWING NO.
		57622	POS7622B
	HARRIS TEETER #423 33 OFFICE PARK RD. HILTON HEAD, SC 29928 (BEAUFORT)		
	SCALE: NTS	IN ACCORDANCE WITH REV. LETTER: D	DRAWN BY: MSP
	DATE: 8/8/19		CHK'D BY:
	<b>METAL CANOPY 43'-0" x 91'-8"</b>		
	<b>MISC. DETAILS</b>		SHEET NO. 3 OF 5

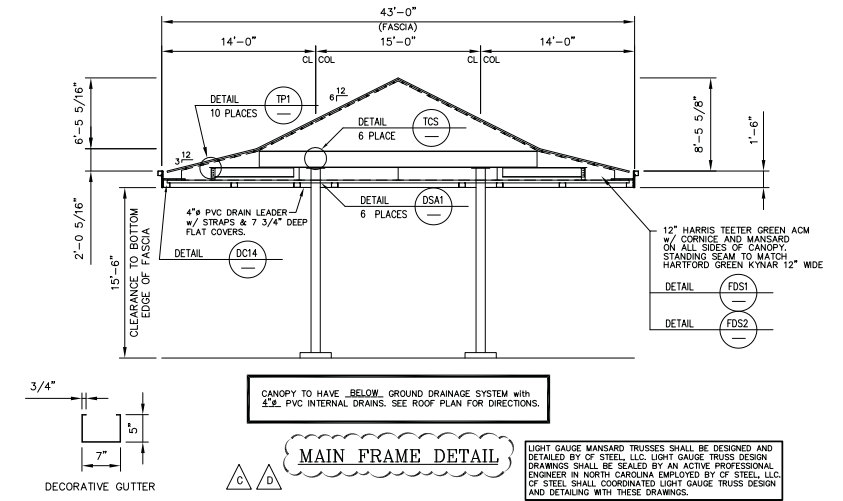
**ARP ENGINEERING CONSULTING ENGINEERS**  
 202 EAST FRANKLIN STREET, SUITE A  
 P.O. BOX 587 - HONORCE - NC 28111  
 (704) 225-0079

**SOUTH CAROLINA**  
 REGISTERED PROFESSIONAL ENGINEER  
 NO. C02905

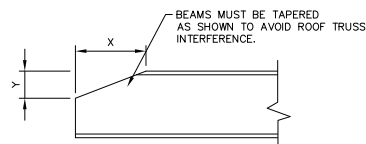
**SOUTH CAROLINA**  
 REGISTERED PROFESSIONAL ENGINEER  
 L. DEAN ARP, III  
 5/1/2020



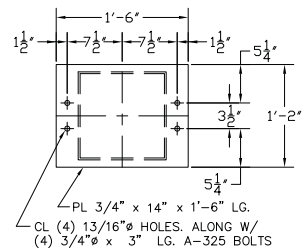
DECORATIVE GUTTER LAYOUT



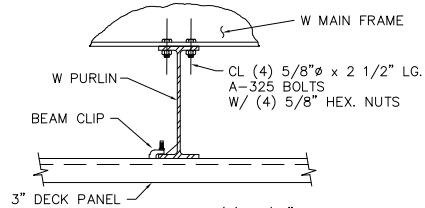
MAIN FRAME DETAIL



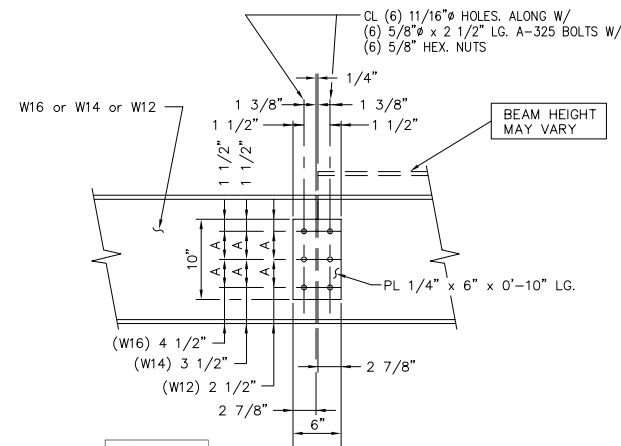
DETAIL TPI1  
6/22/01



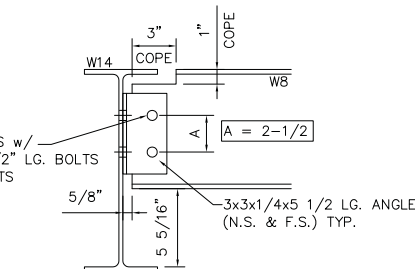
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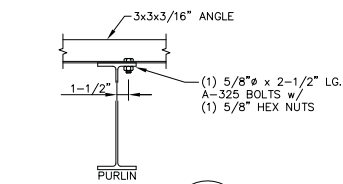
DETAIL PH20  
REV. 6 05/14/96



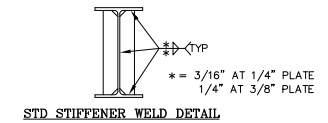
DETAIL WP2  
REV. 4 11/09/00



DETAIL WA11



DETAIL AP1

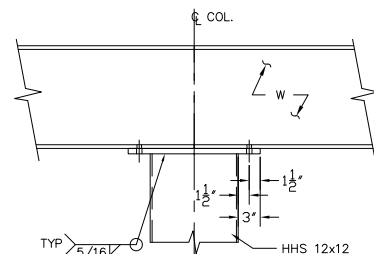


STD STIFFENER WELD DETAIL

TURN OF NUT METHOD: BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG-TIGHT CONDITION. SNUG TIGHT IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN THE PILES OF THE JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. SNUG TIGHTENING SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE CONNECTION TO THE FREE EDGES AND THEN THE BOLTS OF THE CONNECTION SHALL BE RETIGHTENED IN A SIMILAR SYSTEMATIC MANNER AS NECESSARY UNTIL ALL BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPACTED. FOLLOWING THIS INITIAL OPERATION, ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION SPECIFIED IN THE TABLE. DURING THE TIGHTENING OPERATION, THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT TO ITS FREE EDGES.

BOLT LENGTH (UNDER SIDE OF HEAD TO END OF BOLT)	DISPOSITION OF OUTER FACE OF BOLTED PARTS		
	BOTH FACES NORMAL TO BOLT AXIS	ONE FACE NORMAL TO BOLT AXIS AND OTHER SLOPED NOT MORE THAN 1:20 (BEVELED WASHER NOT USED)	BOTH FACES SLOPED NOT MORE THAN 1:20 FROM NORMAL TO THE BOLT AXIS (BEVELED WASHER NOT USED)
UP TO AND INCLUDING 4 DIAMETERS	1/3 TURN	1/2 TURN	2/3 TURN
OVER 4 DIA-METERS BUT NOT EXCEEDING 8 DIAMETERS	1/2 TURN	2/3 TURN	5/6 TURN
A) NUT ROTATION IS RELATIVE TO BOLT REGARDLESS OF THE ELEMENT (NUT OR BOLT) BEING TURNED. FOR BOLTS INSTALLED BY 1/2 TURN AND LESS, THE TOLERANCE SHOULD BE PLUS OR MINUS 30 DEGREES. FOR BOLTS INSTALLED BY 2/3 TURN AND MORE, THE TOLERANCE SHOULD BE PLUS OR MINUS 45 DEGREES.			
B) APPLICABLE ONLY TO CONNECTIONS IN WHICH ALL MATERIAL WITHIN THE GRIP OF THE BOLT IS STEEL.			
STEP (1): SNUG THE JOINT SO THAT NO GAPS EXIST BETWEEN THE LAYERS OF STEEL AT THE BOLT HEADS.	STEP (2): MATCHMARK EACH NUT, BOLT AND STEEL SURFACE IN A STRAIGHT LINE GOING ACROSS A CORNER OF THE NUT.	STEP (3): APPLY THE REQUIRED TURNS AS GIVEN IN THE TABLE ABOVE. ONE WORKER MUST HOLD THE BOLT HEAD/NUT AS THE NUT/BOLT HEAD IS TURNED.	REQUIRED ROTATION

COPIED FROM AISC SPECIFICATION FOR STRUCTURAL JOINTS, USING ASTM A325 OR A490 BOLTS



DETAIL TCS  
REV. 3-5-19

**McGEE CORPORATION**  
12701 East Independence Blvd., P.O. Box 1375  
Methuen, NC 28108-1375  
Phone: (704) 882-1500  
Watts: (800) 526-5589

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PR. JOB NO. 57622  
FINAL JOB NO. 57622  
DRAWING NO. P057622C

HARRIS TEETER #423  
33 OFFICE PARK RD.  
HILTON HEAD, SC 29928 (BEAUFORT)

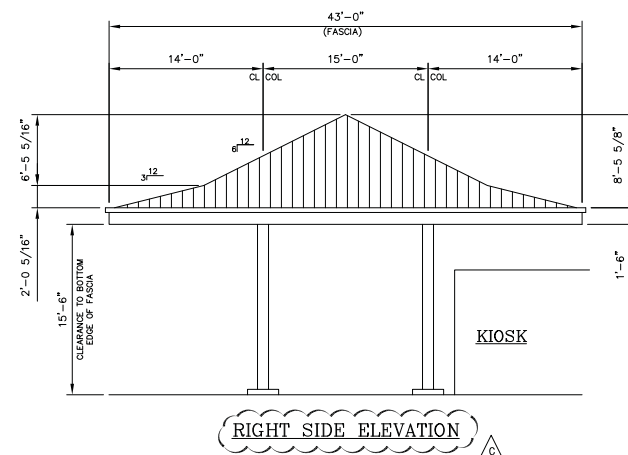
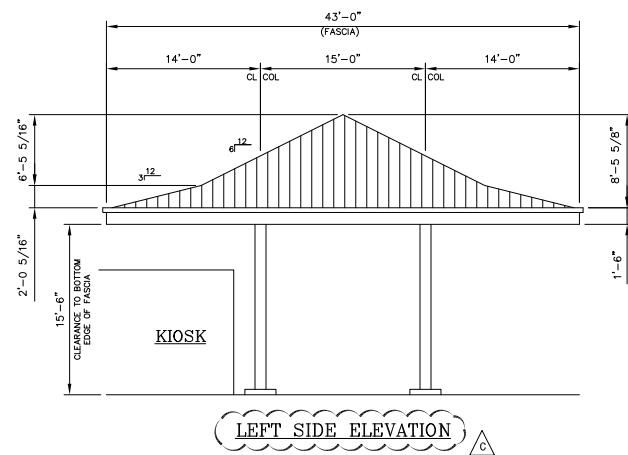
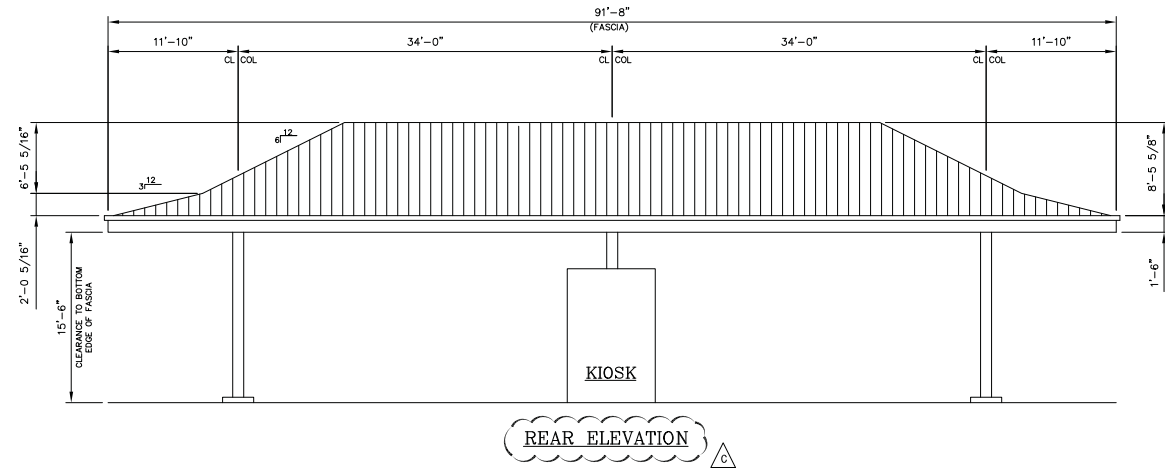
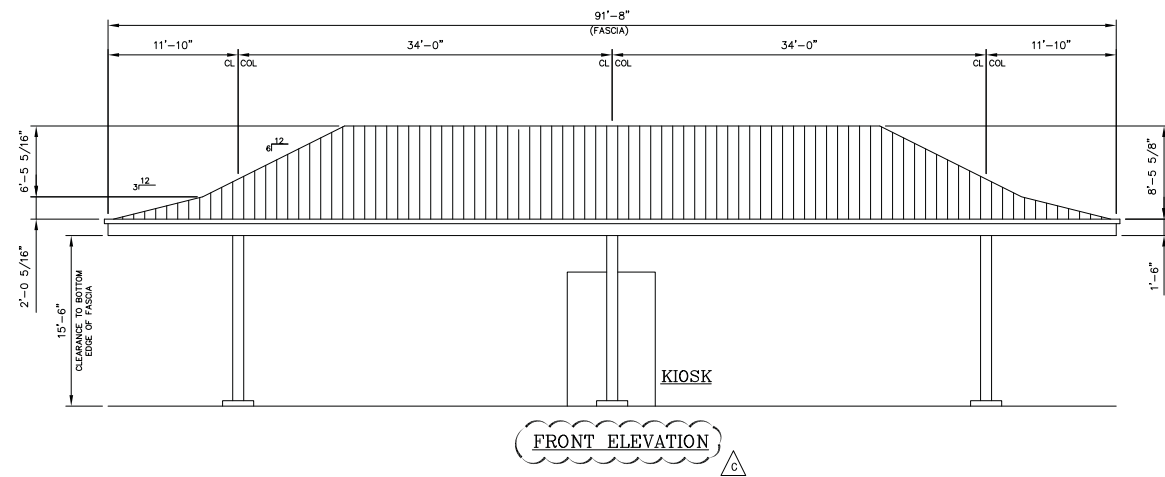
SCALE: NTS  
DATE: 8/8/19

IN ACCORDANCE WITH REV. LETTER: D  
DRAWN BY: MSP  
CHK'D BY:

METAL CANOPY 43'-0" x 91'-8"  
MISC. DETAILS

SHEET NO. 4 OF 5  
5/1/2020

ARP ENGINEERING CONSULTING ENGINEERS  
202 EAST FRANKLIN STREET, SUITE A  
PO BOX 587, MONROE - NC 28111  
(704) 225-0079

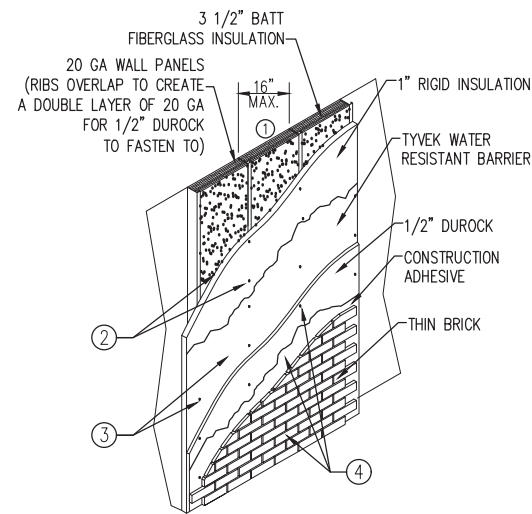


**ARP ENGINEERING**  
CONSULTING ENGINEERS

202 EAST FRANKLIN STREET, SUITE A  
PO BOX 587, MONROE, NC 28111  
(704) 225-0079

<b>MCGEE</b> CORPORATION 12701 East Independence Blvd, P.O. Box 1375 Molokah, NC 28108-1375 Phone: (704) 882-1500 Watts: (800) 526-5589  These prints are the property of McGee Corp. Reproduction or reuse is prohibited without written permission.	PRJ. JOB NO. 57622	FINAL JOB NO. 57622	DRAWING NO. P057622D	
	HARRIS TEETER #423 33 OFFICE PARK RD. HILTON HEAD, SC 29928 (BEAUFORT)	SCALE: NTS DATE: 8/8/19	IN ACCORDANCE WITH REV. LETTER: D	
<b>METAL CANOPY 43'-0" x 91'-8"</b> CANOPY ELEVATIONS				SHEET NO. 5 OF 5 5/1/2020

**THIN BRICK PANEL**



**BRICK PANEL MATERIAL LIST**

1. 20 GA WALL PANELS WITH OVERLAPPING RIBS 16" O/C.
2. #10 SHEET METAL SCREWS 1/4" FROM THE EDGE AND EVERY 16" VERTICALLY INTO THE 3" SHEET METAL RIBS. TO SECURE THE 20 GA SHEET METAL
3. #10 SHEET METAL SCREWS 1/4" FROM THE EDGE AND EVERY 16" VERTICALLY THROUGH THE 1" RIGID INSULATION AND WATER RESISTANT BARRIER INTO THE 20 GA SHEET METAL
4. ONE (1) LAYER OF 1/2" THIN-BRICK OVER ONE (1) LAYER OF 1/2" DUROCK.

**KEYED NOTES:**

- 1 MANSARD GUTTER SYSTEM — C-2
- 2 BULLET RESISTANT GLAZING SET IN 12 GA. ANGLE SASH
- 3 3M SECURITY SPEAKER #78-8028-9196-6 BY FMS FLUSH MOUNT w/ NO CALL BUTTON
- 4 3 X 2 PAINTED METAL DOWN SPOUT — C-4
- 5 DOORS AND DOOR FRAMES PAINTED (SEMI-GLOSS) EXTERIOR SIDE — C-4
- 6 GC TO TIE DOWNSPOUTS TO UNDERGROUND SEWER
- 7 EMERGENCY STOP BUTTON "STI SERIES 2000" W/ CLEAR COVER FURNISHED BY HT INSTALLED BY FME
- 8 CASH DRAWER = SHURE SECURITY BY FMS DRAWER # SPT310
- 9 BRUSHED STAINLESS STEEL SHELF BY FMS
- 10 2"Ø PVC OVERFLOW BY FMS

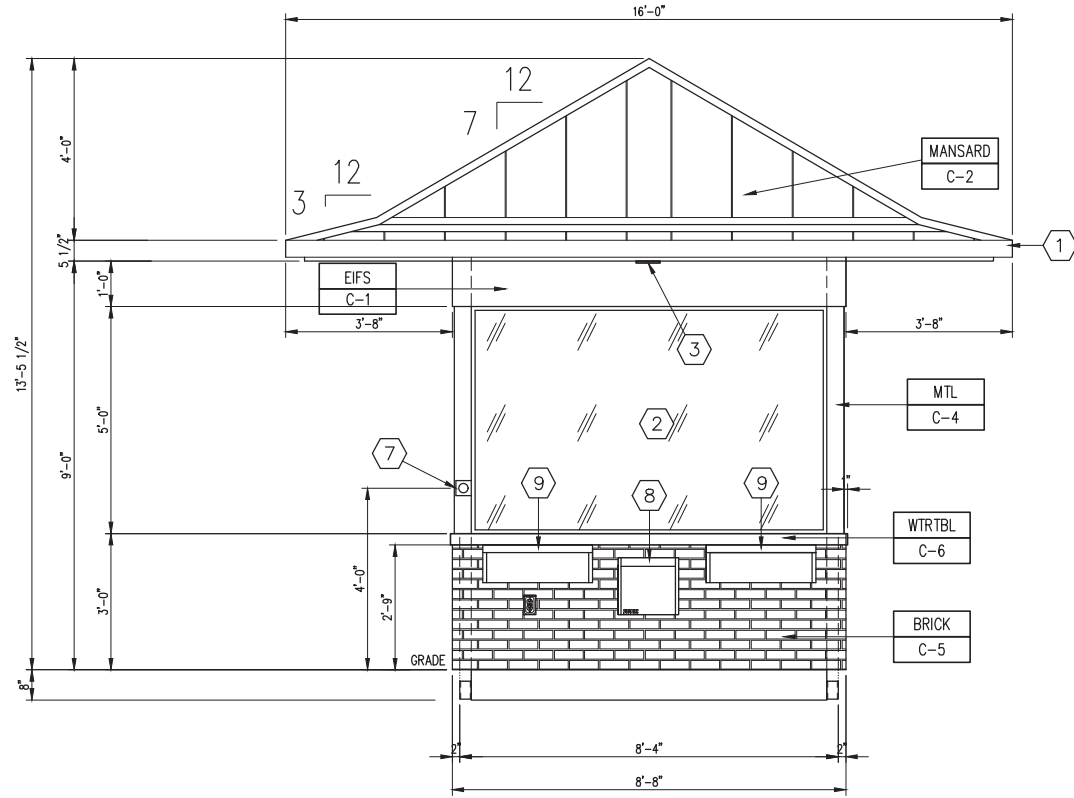
**EXTERIOR FINISHES:**

- MANSARD STANDING SEAM DECK BY FMS
- EIFS EIFS (DRYVIT) PER ESR-1232 BY FMS
- BRICK THIN BRICK w/ CORNER BRICK BY FMS
- WRTBL WATER TABLE BY FMS
- MTL 20 GA. SHEETMETAL BY FMS

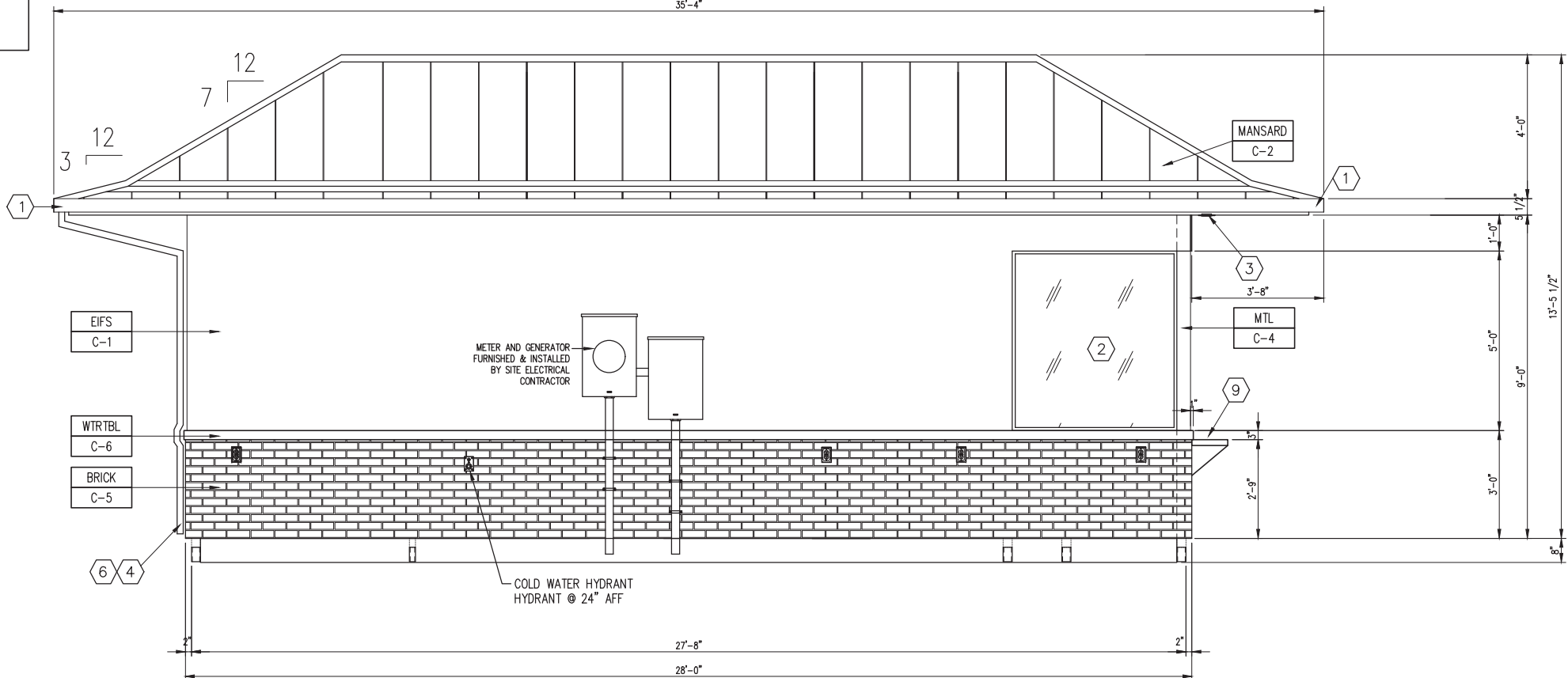
**EXTERIOR PAINTS/COLORS**

- C-1 EIFS - DRYVIT #442 BY FMS
- C-2 MANSARD DECK KYNAR 500 12" WIDE "HARTFORD GREEN" BY FMS
- C-3 ICEBURG WHITE (EMBOSSED) BY FMS
- C-5 THIN BRICK - GENERAL SHALE "PHEONIX". BY FMS MORTAR - HOLCIM "DOGWOOD WHITE" (USE WHITE SAND)
- C-6 PAINT SPEC TBD BY FMS
- C-6 "NATURAL GRAY" BY FMS

**NOTE:**  
SEAL JOINTS BETWEEN WALLS, WALLS/CEILING, WALLS/FLOOR AND ALL WINDOW AND DOOR OPENINGS PER SEC 1314. ALL EXTERIOR PENETRATIONS MUST BE SEALED, CAULKED, GASKETED OR WEATHERSTRIPPED.



**A ELEVATION**  
E2 1/2" = 1'-0"



**D ELEVATION**  
E2 1/2" = 1'-0"

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DATE	BY	CHK	REVISIONS
02/06/20	JM		2.EIFS report number indicated on drawing.
11/27/19	ED		1. REVISED MANSARD

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**ENGINEER OF RECORD:**  
Charles H. Moss, PE  
P.O. Box 28  
Covington, GA 30015  
Email: chmai@aol.com

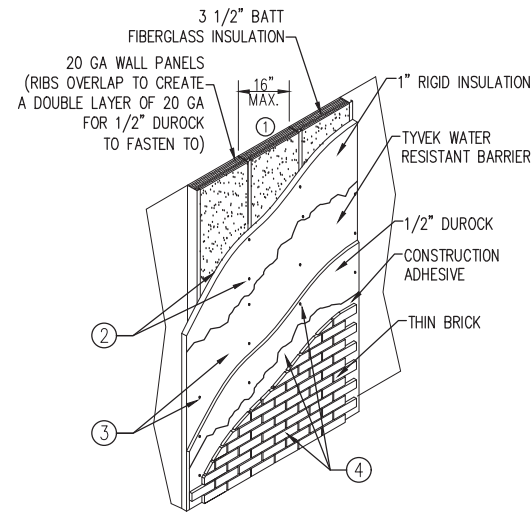
**CUSTOMER:**  
**Harris Teeter Fuel**  
2019 Next Generation Fiber Kiosk  
Exterior Elevations

**DRAWN BY:**  
Ed Dugan  
**DATE:** 10/25/19  
**CHECKED BY:**  
**DATE:**

**SEAL:**

**JOB #** G19HT7  
33 Office Park Road  
Hilton Head Island, SC 29928  
**SCALE:** 1/2" = 1'-0"  
**DRAWING #** .

**THIN BRICK PANEL**



- BRICK PANEL MATERIAL LIST**
- 20 GA WALL PANELS WITH OVERLAPPING RIBS 16" O/C.
  - #10 SHEET METAL SCREWS 1/4" FROM THE EDGE AND EVERY 16" VERTICALLY INTO THE 3" SHEET METAL RIBS. TO SECURE THE 20 GA SHEET METAL
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**KEYED NOTES:**

- 1 MANSARD GUTTER SYSTEM — C-2
- 2 BULLET RESISTANT GLAZING SET IN 12 GA. ANGLE SASH
- 3 3M SECURITY SPEAKER #78-8028-9196-6 — BY FMS FLUSH MOUNT w/ NO CALL BUTTON
- 4 3 X 2 PAINTED METAL DOWN SPOUT — C-4
- 5 DOORS AND DOOR FRAMES PAINTED (SEMI-GLOSS) EXTERIOR SIDE — C-4
- 6 GC TO TIE DOWNSPOUTS TO UNDERGROUND SEWER
- 7 EMERGENCY STOP BUTTON "STI SERIES 2000" W/ CLEAR COVER FURNISHED BY HT INSTALLED BY FME
- 8 CASH DRAWER = SHURE SECURITY — BY FMS DRAWER # SPT310
- 9 BRUSHED STAINLESS STEEL SHELF — BY FMS
- 10 2"Ø PVC OVERFLOW — BY FMS

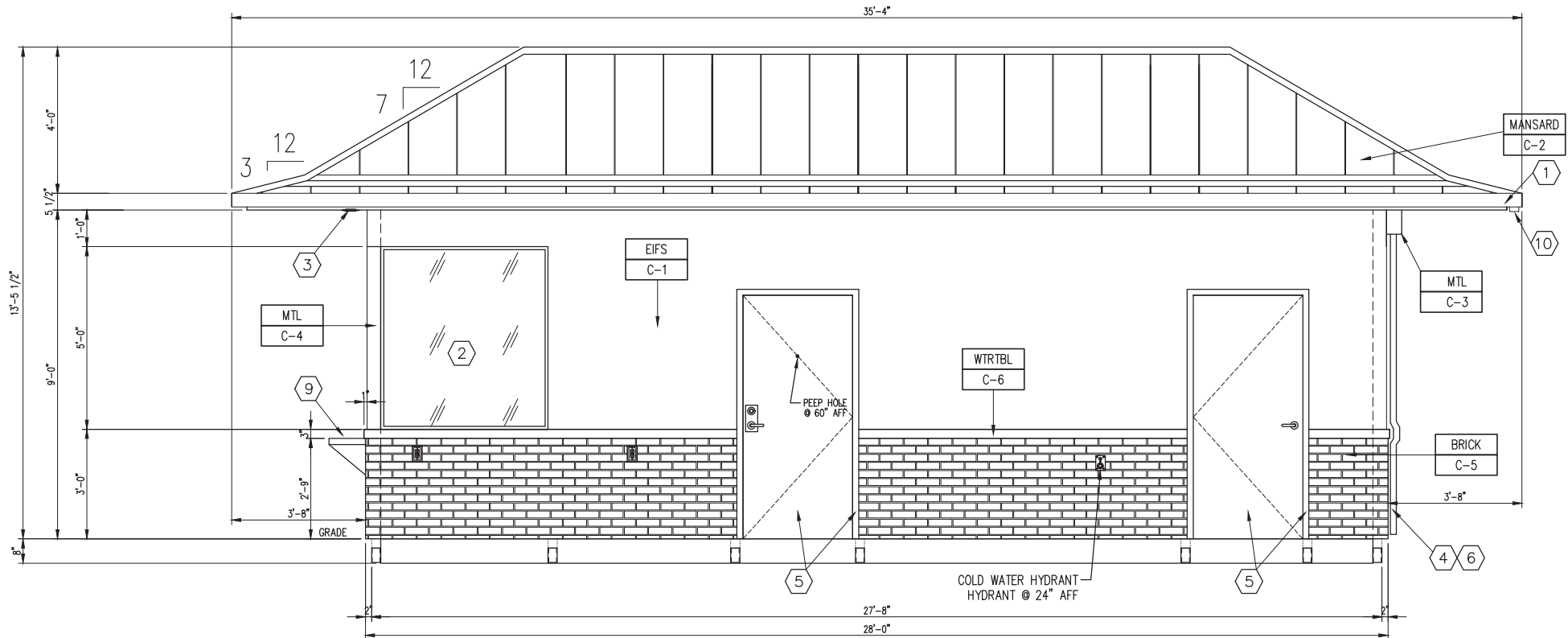
**EXTERIOR FINISHES:**

- MANSARD STANDING SEAM DECK — BY FMS
- EIFS EIFS (DRYVIT) PER ESR-1232 — BY FMS
- BRICK THIN BRICK w/ CORNER BRICK — BY FMS
- WRTBL WATER TABLE — BY FMS
- MTL 20 GA. SHEETMETAL — BY FMS

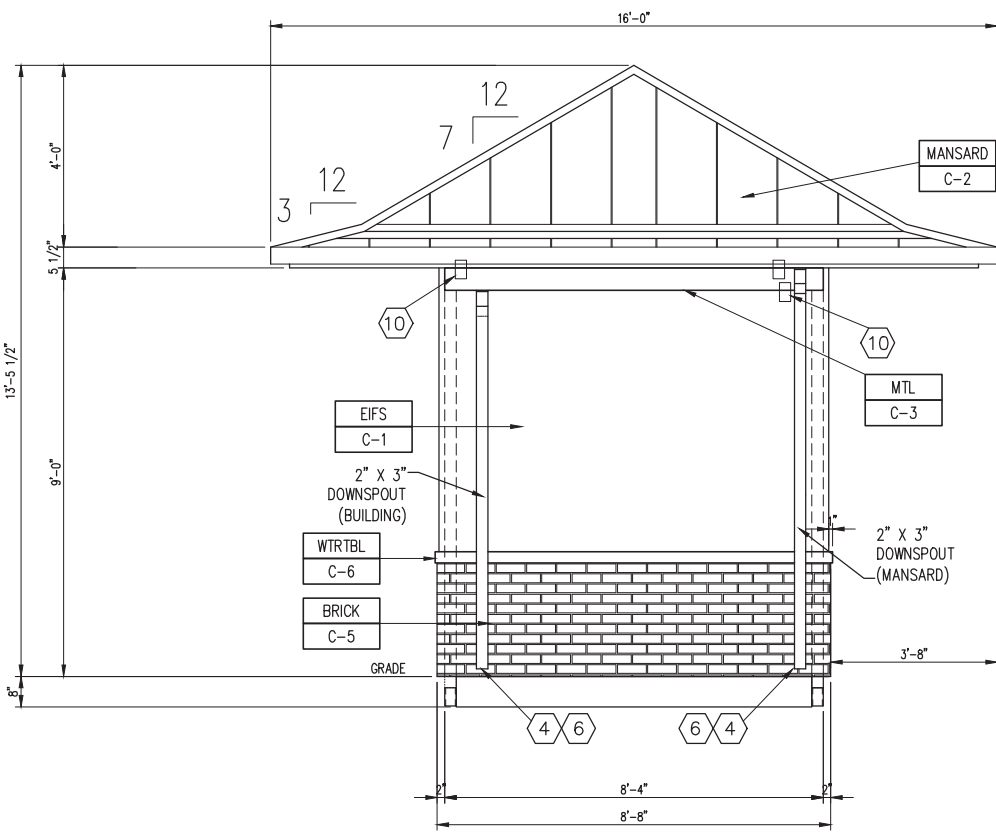
**EXTERIOR PAINTS/COLORS**

- C-1 EIFS - DRYVIT #442 — BY FMS
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- C-5 THIN BRICK - GENERAL SHALE "PHEONIX". MORTAR - HOLCIM "DOGWOOD WHITE" (USE WHITE SAND) — BY FMS
- C-6 PAINT SPEC TBD — BY FMS
- C-6 "NATURAL GRAY" — BY FMS

**NOTE:**  
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**B ELEVATION**  
E2 1/2" = 1'-0"



**C ELEVATION**  
E2 1/2" = 1'-0"

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DATE	BY	CHK	REVISIONS
02/06/20	JM		2.EIFS report number indicated on drawing.
11/27/19	ED		1. REVISED MANSARD

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**ENGINEER OF RECORD:**

Charles H. Moss, PE  
P.O. Box 28  
Covington, GA 30015  
Email: chma@aol.com

**CUSTOMER:**

**Harris Teeter Fuel**  
2019 Next Generation Fiber Kiosk  
Exterior Elevations

**DRAWN BY:**  
Ed Dugan

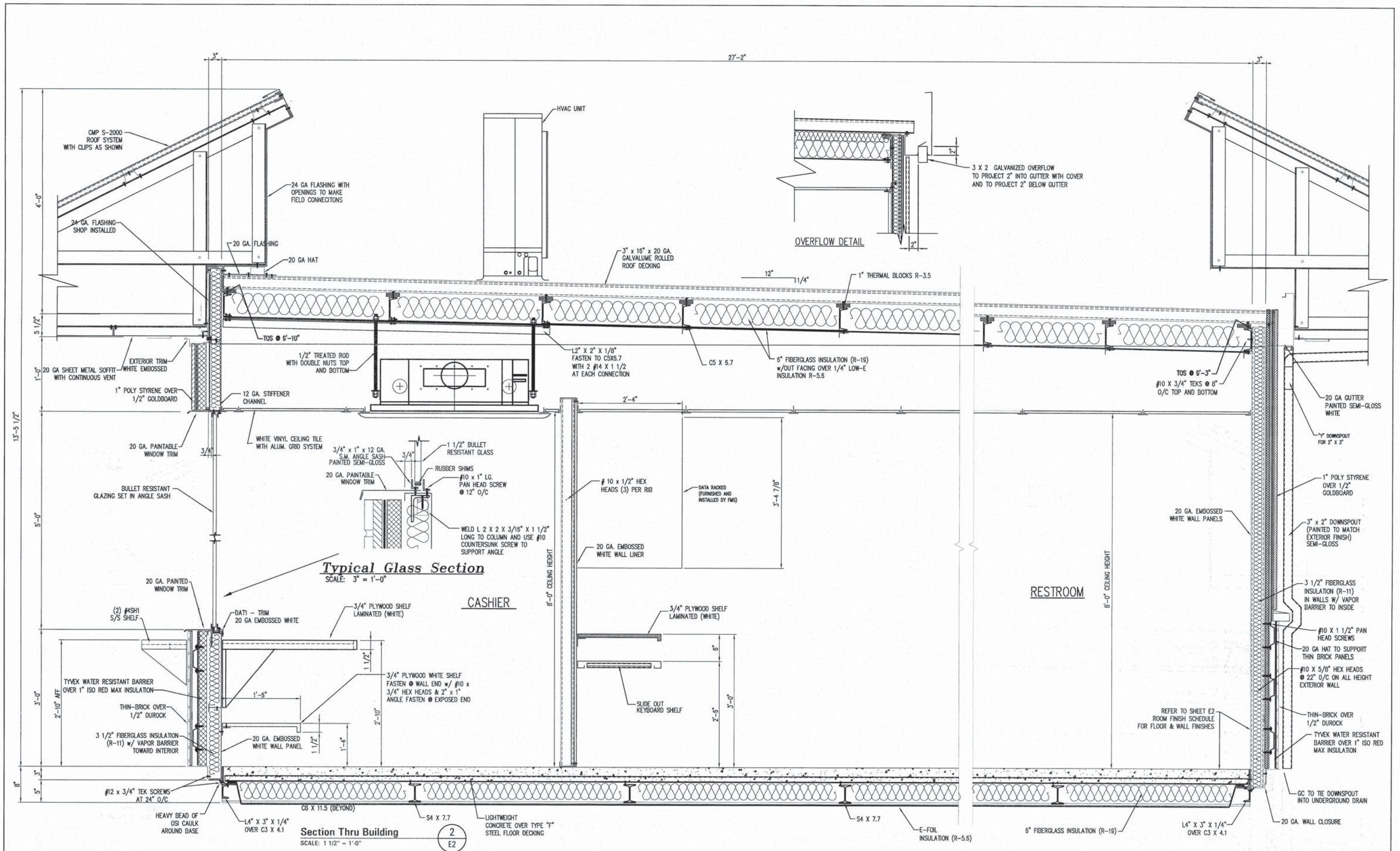
**DATE:** 10/25/19

**CHECKED BY:**

**DATE:**

**SEAL:**

<b>JOB #</b>	G19HT7
33 Office Park Road Hilton Head Island, SC 29928	
<b>SCALE:</b>	1/2" = 1'-0"
<b>DRAWING #:</b>	




**Typical Glass Section**  
SCALE: 3" = 1'-0"

**Section Thru Building**  
SCALE: 1 1/2" = 1'-0"

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DATE	BY	CHK	REVISIONS
11/27/19	ED		1. Revised slope of mansard

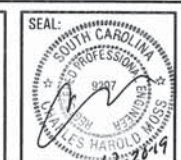
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 Charles H. Moss, PE  
 P.O. Box 28  
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 Email: chmai@aol.com

CUSTOMER:  
**Harris Teeter Fuel**  
 2019 Next Generation Fiber Kiosk  
 Section

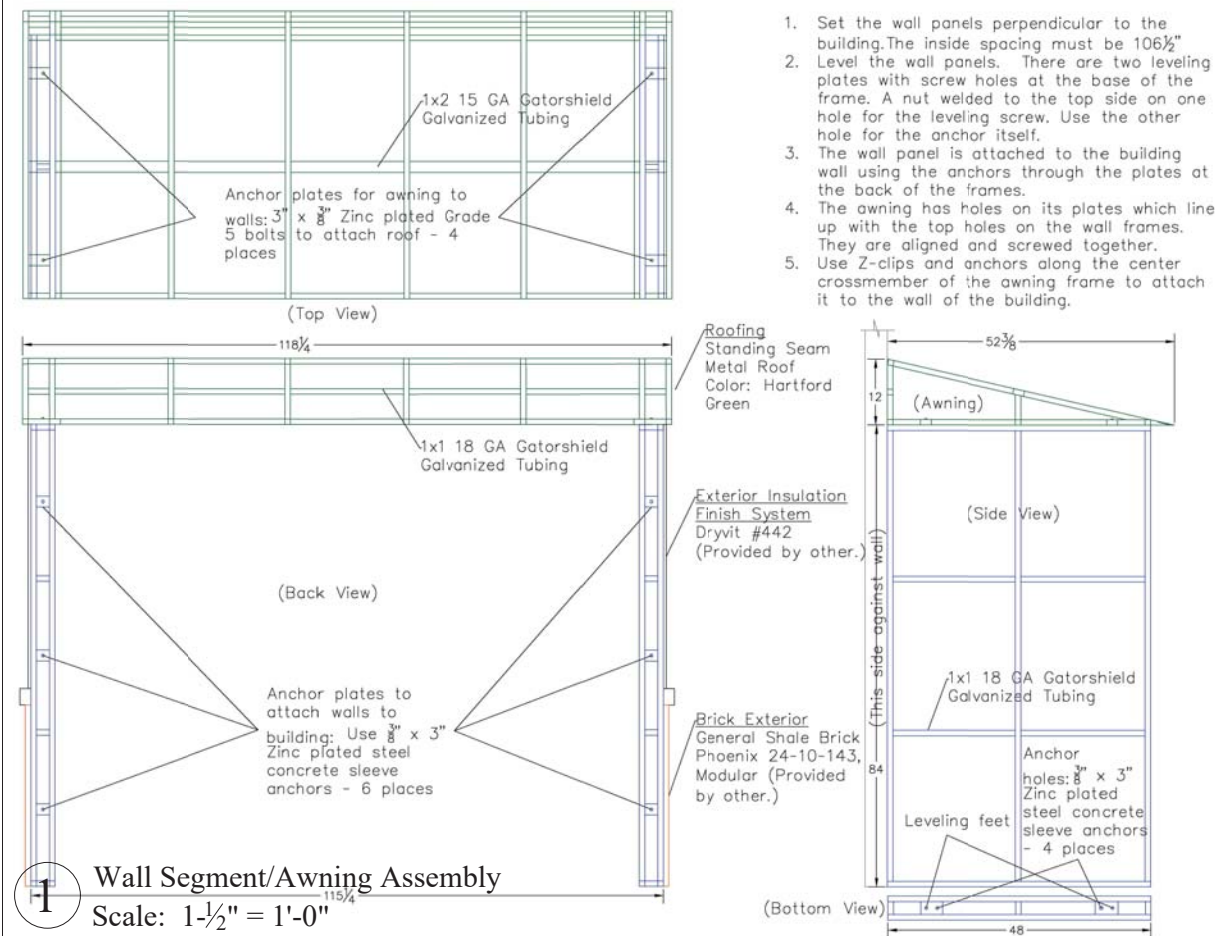
DRAWN BY:  
 Ed Dugan  
 DATE: 10/25/19  
 CHECKED BY:  
 DATE:



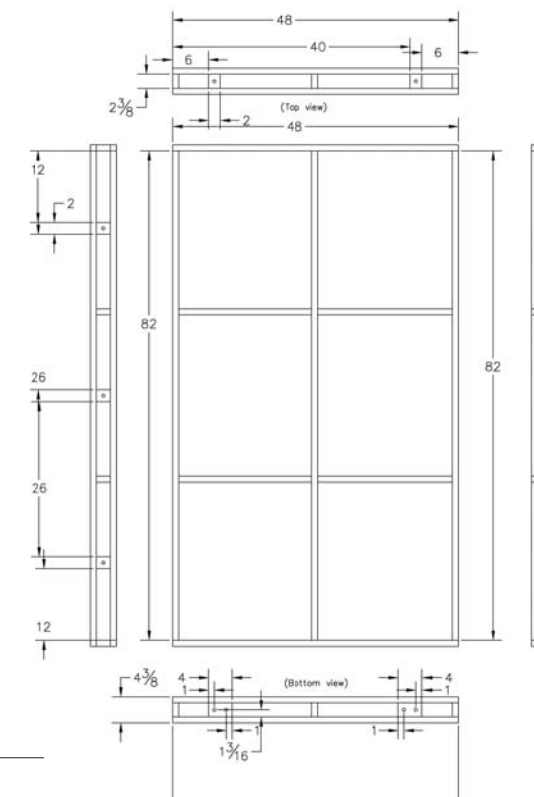
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 33 Office Park Road  
 Hilton Head Island, SC 29928  
 SCALE: 1 1/2" = 1'-0"  
 DRAWING #

**E5**  
 6 of 9

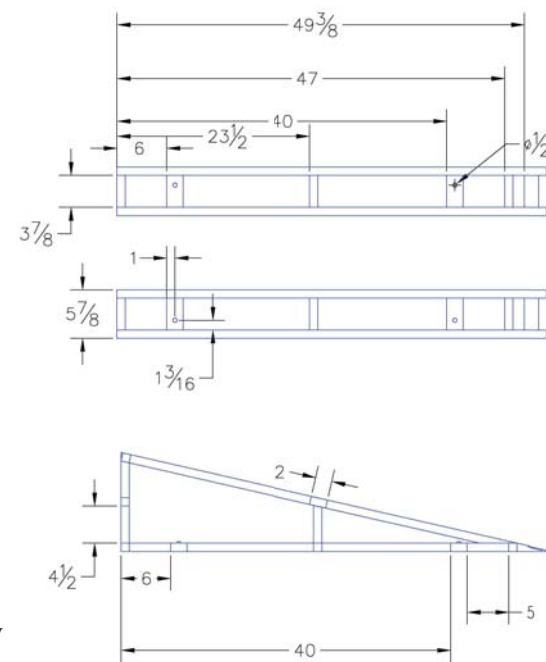




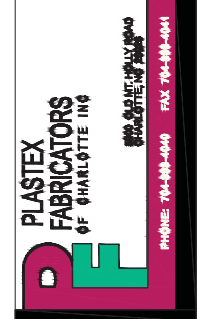
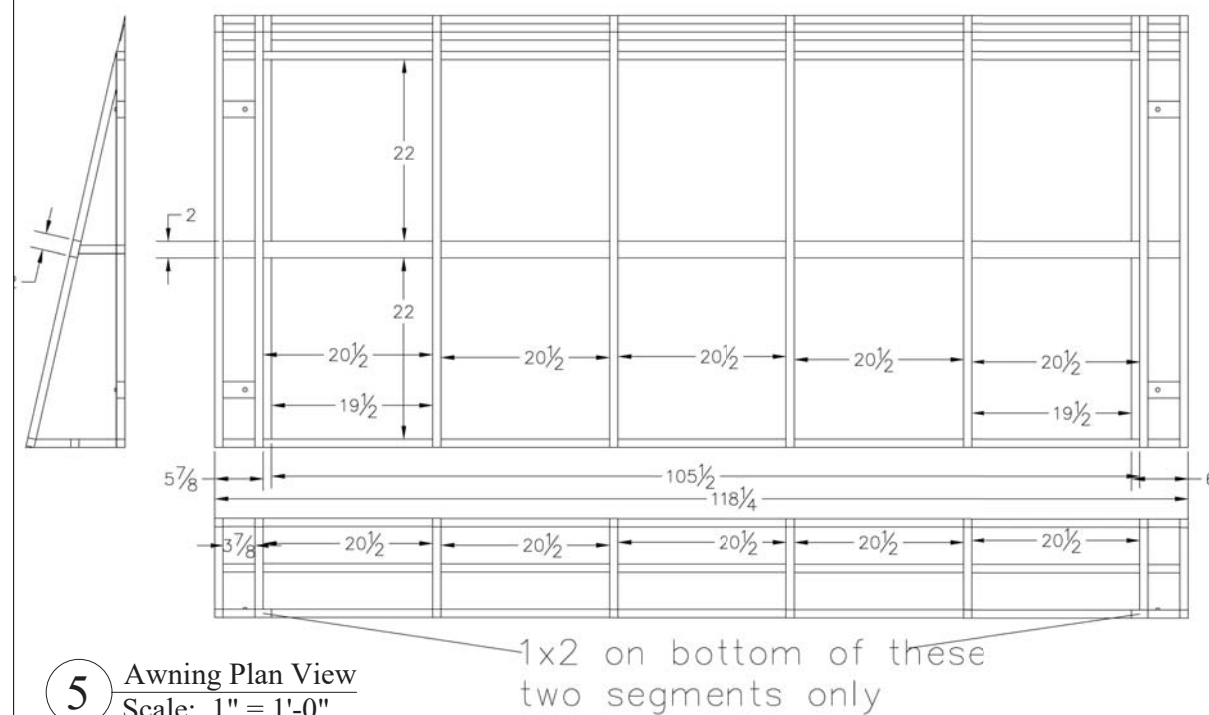
HT 043 Ice Chest Lean-to Wall segments assembled. After construction  $\frac{5}{8}$ " Durack affixed to outside and 24ga. Hartford Green sheetmetal affixed to inside



Ice Chest Awning end frames assembled. 24ga. Hartford Green sheetmetal affixed to the outside sides.

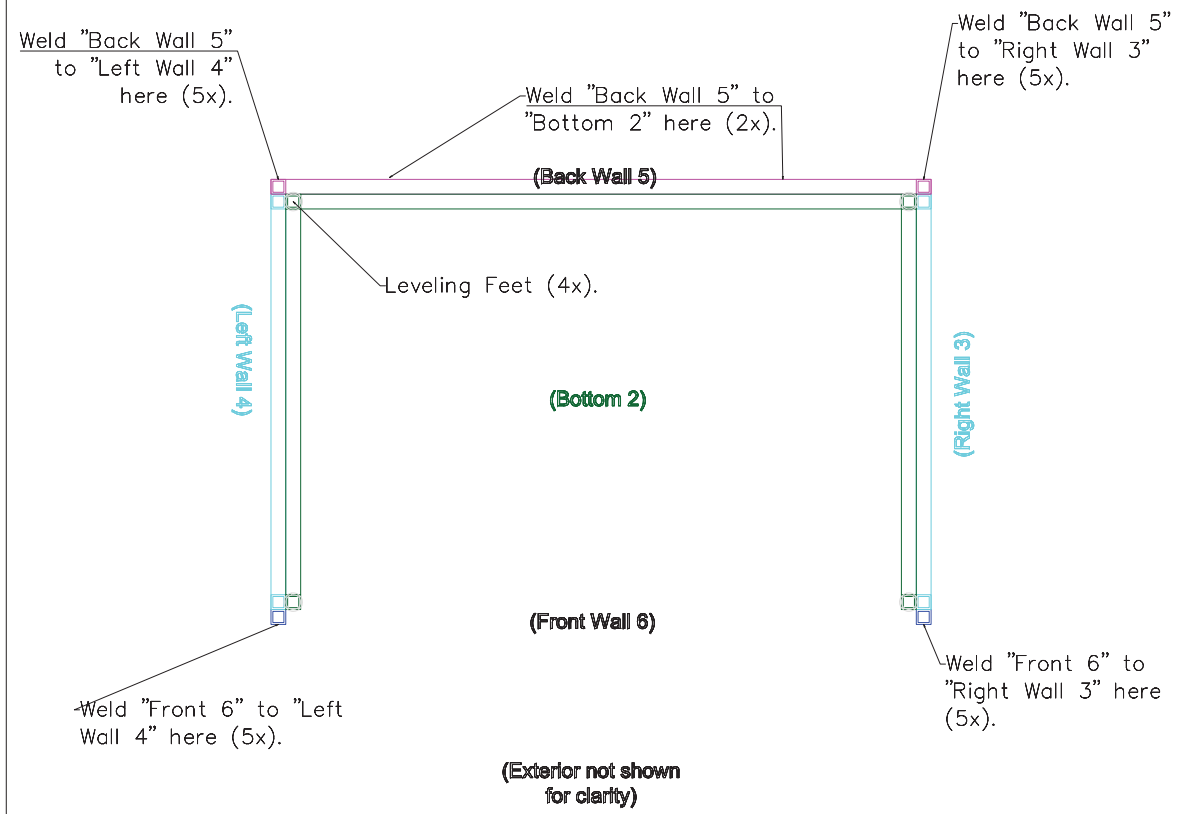
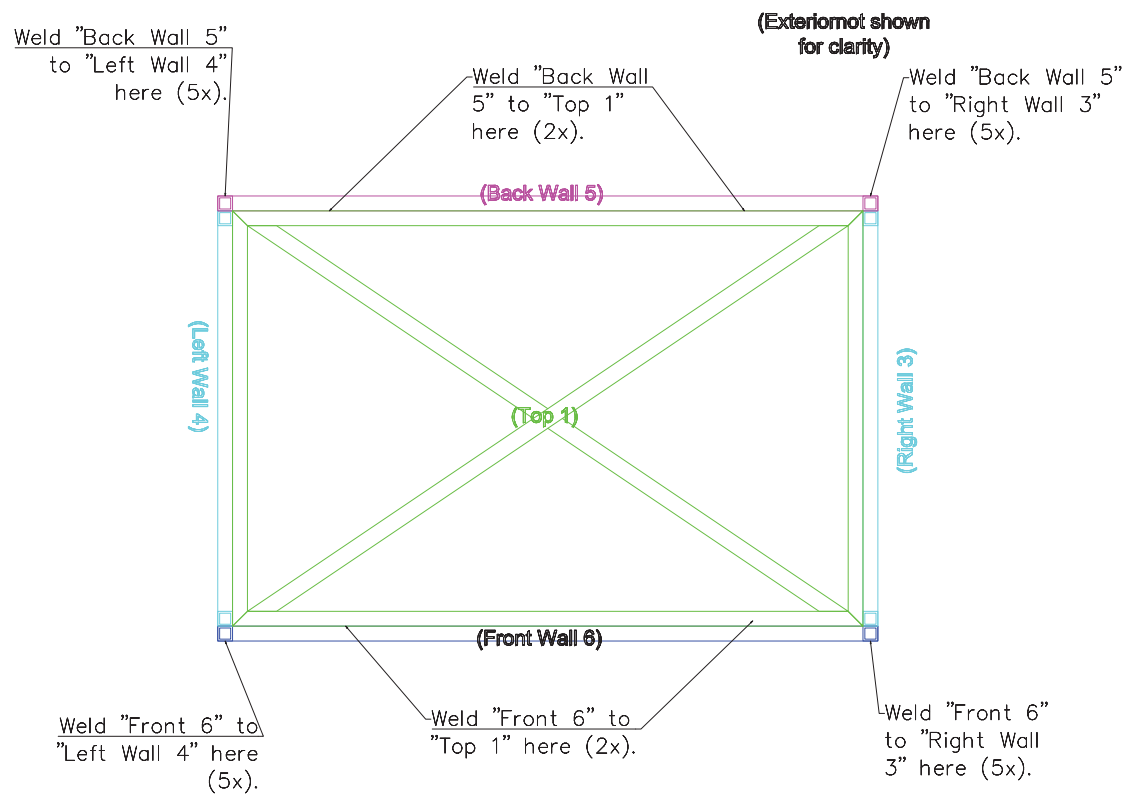
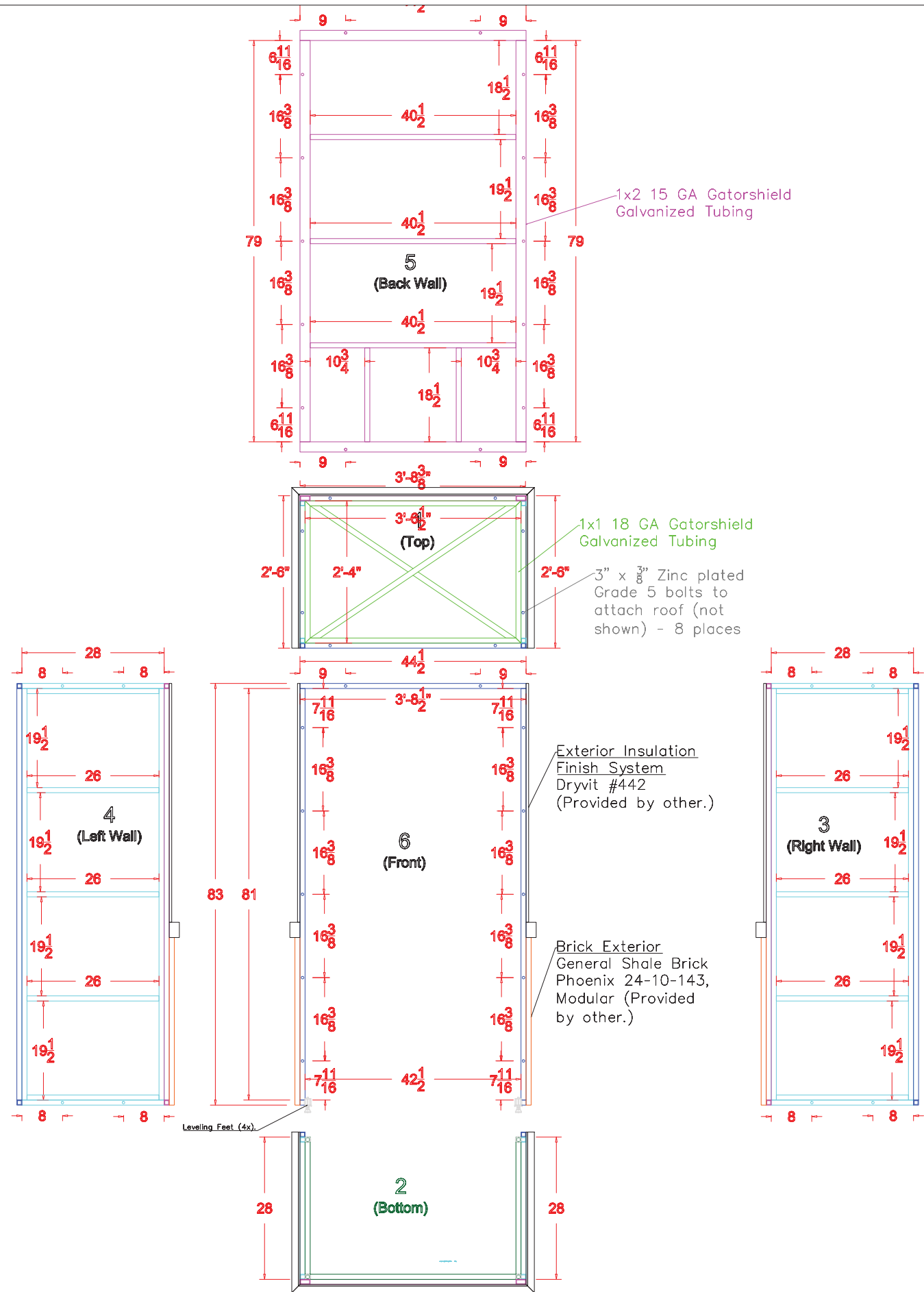


Ice Chest Awning assembled. 24ga. Hartford Green sheetmetal affixed to underside of awning and to the sides. CMP 2000 series flat profile roofing panels attached to the top.



**Harris Teeter**

Drawn by: Plastex
Scale: Varies
Date: 5-1-20
Job Description
HT 423 Ice Chest Shelter
Sheet Description
Plan and Section Views
Sheet Number
1.0



Drawn by: Plastex  
 Scale: 1"=1'-0"  
 5-1-20

HT 423

Job Description  
 LARGE DRINK MACHINE COVER

Sheet Description  
 Wall Construction

Revisions

Sheet Number  
 43.1

Drawn by: Plastex  
 Scale: 1"=1'-0"  
 5-1-20

24x36 (ARCH D) FULL SCALE / 11x17 (ARCH B) 1/2 SCALE

HT 423

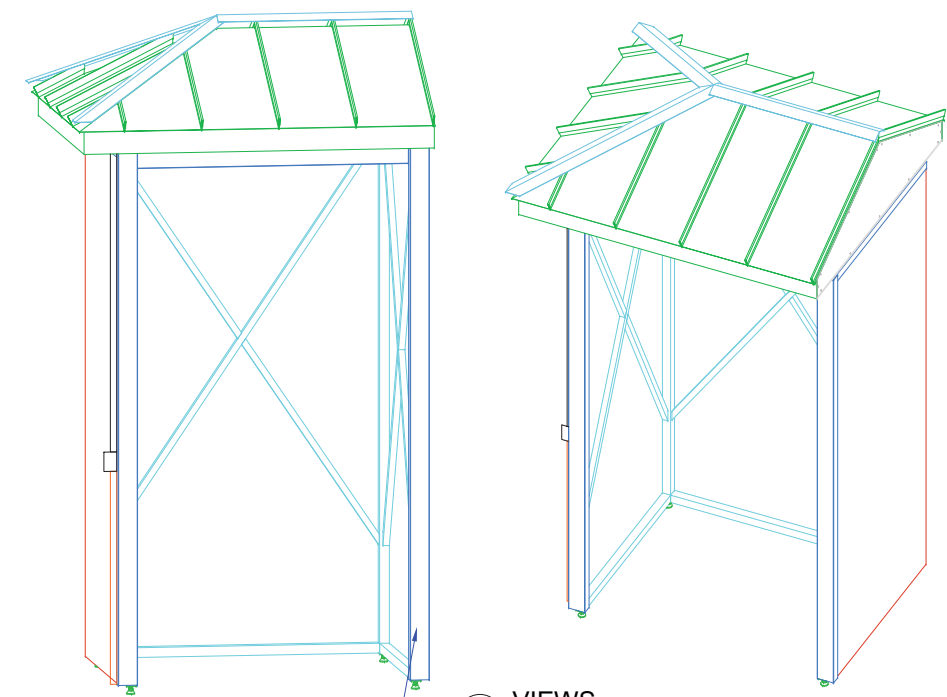
Job Description  
**LARGE DRINK MACHINE COVER**

NOTE- BUILD ONE LEFT AND ONE RIGHT

Sheet Description  
**PLAN AND ELEVATION**

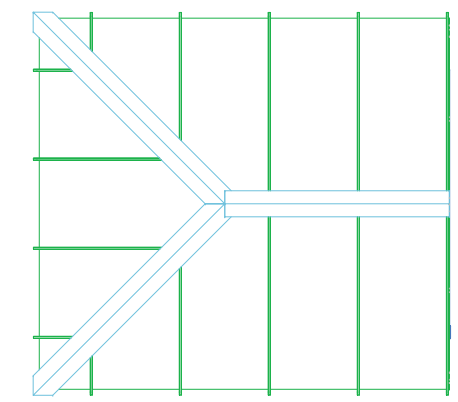
Revisions	
①	
②	
③	
④	

Sheet Number  
**43.2**

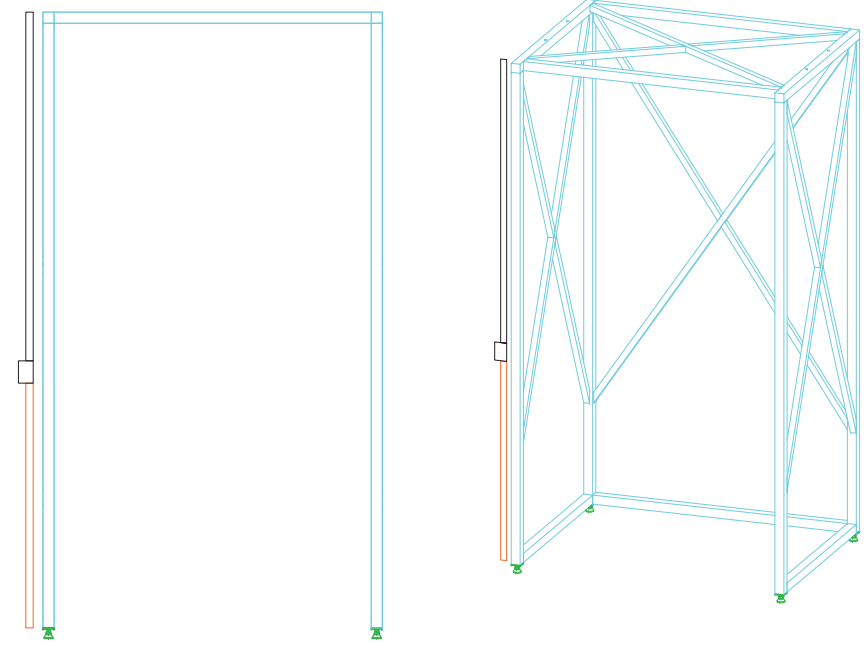


① VIEWS  
 1.0 Scale: NTS

TRIM COVERS TO MATCH METAL TRIM

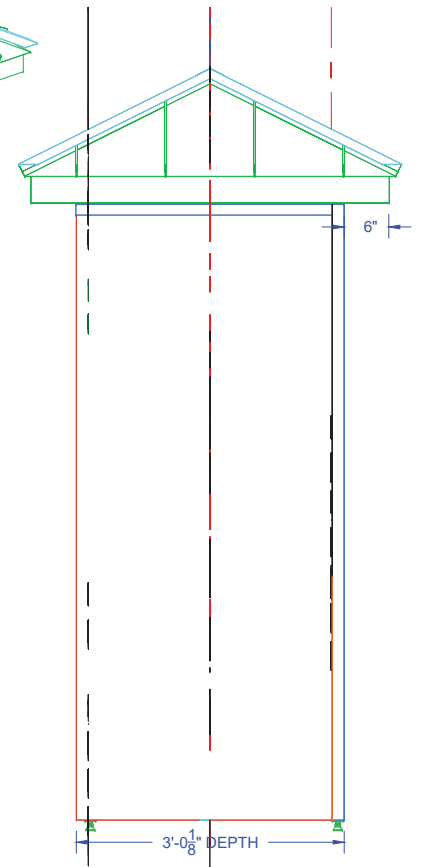
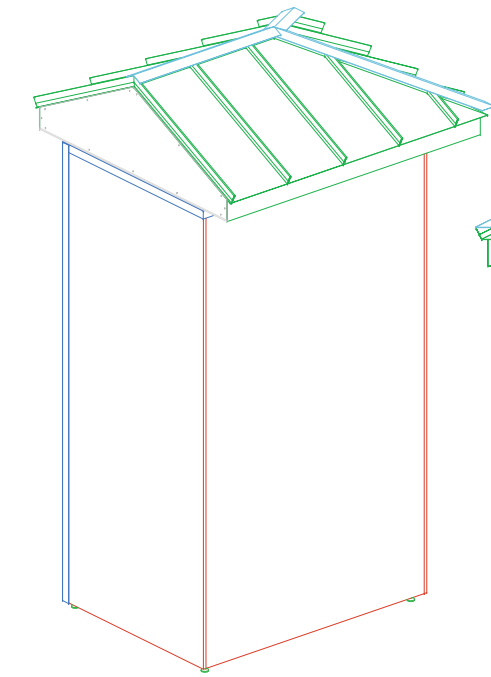


② TOP  
 1.0 Scale: 1" = 1'-0"

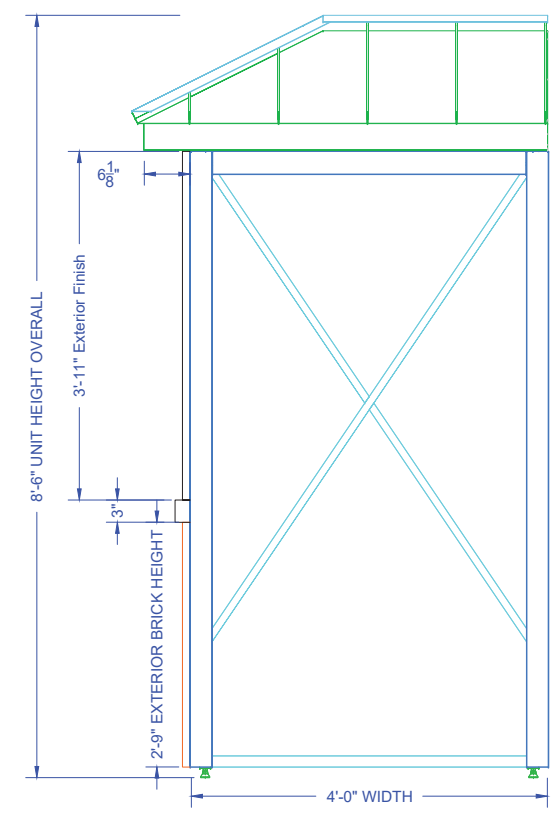


③ FRAME @ FRONT  
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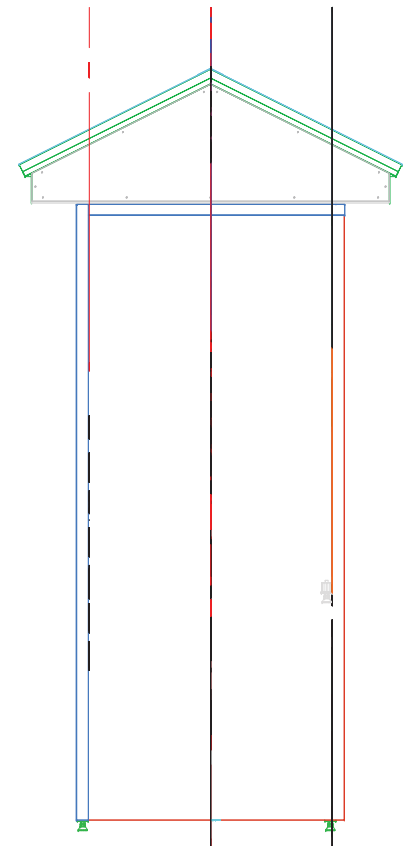
**FOR ROOF SYSTEM REFERENCE ONLY**



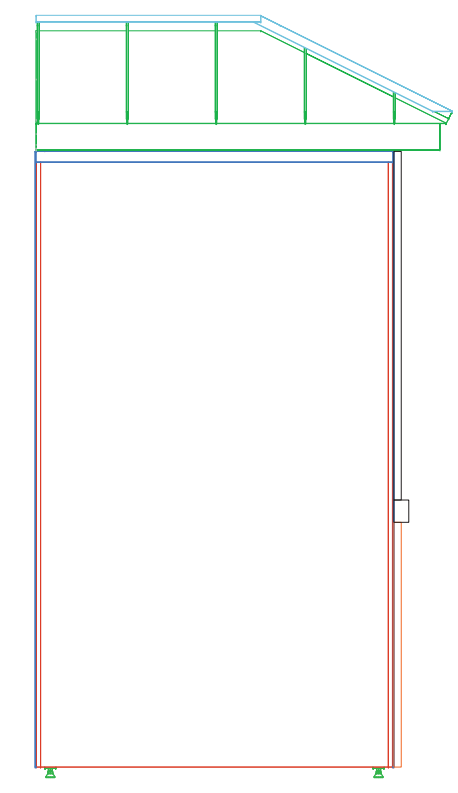
④ LEFT SIDE  
 1.0 Scale: 1" = 1'-0"



⑤ FRONT  
 1.0 Scale: 1" = 1'-0"



⑥ RIGHT SIDE  
 1.0 Scale: 1" = 1'-0"

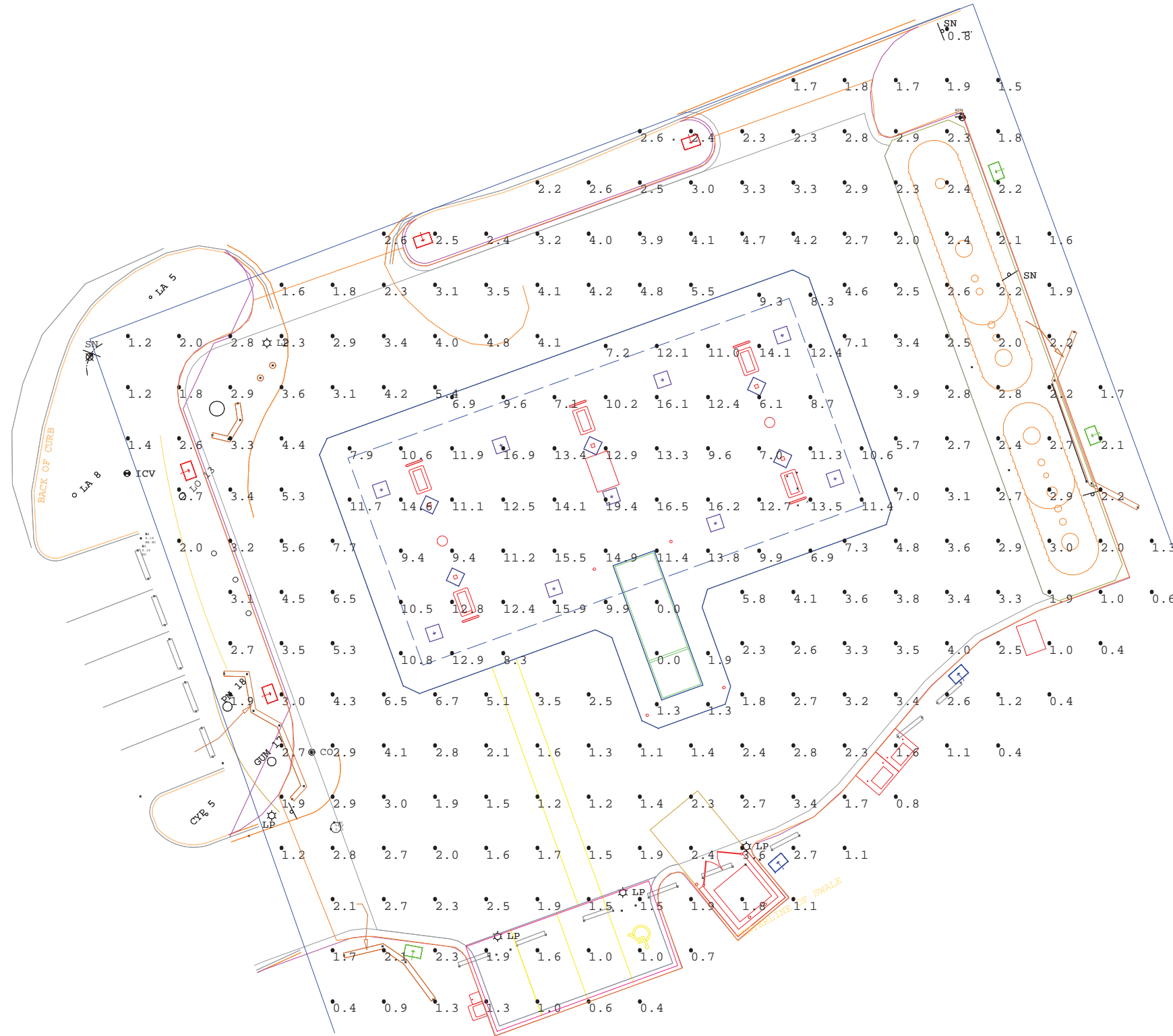


⑦ BACK  
 1.0 Scale: 1" = 1'-0"

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LLF	Lum. Watts	Arr. Watts	Total Watts
□	3	OSQ-A-XX-4ME-Z-30K-ULXXXXX W	SINGLE	0.970	53	53	159
+	2	OSQ-A-XX-3ME-Z-30K-ULXXXXX W	SINGLE	0.970	53	53	106
□	4	OSQ-A-XX-2ME-Z-30K-ULXXXXX W	SINGLE	0.970	53	53	212
+	9	CRUS-SC-LED-VLW-30	SINGLE	1.000	60.9	60.9	548.1

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Canopy Calcs	Illuminance	Fc	10.69	19.4	0.0	N.A.	N.A.
Property Grounds_Planar	Illuminance	Fc	2.66	7.7	0.2	13.30	38.50
Fuel Property	Illuminance	Fc	5.29	19.4	0.0	N.A.	N.A.
NonResidential Parking	Illuminance	Fc	1.33	1.9	1.0	1.33	1.90

Pole fixture mounting height is 18' AFG. Assuming direct burial pole. Canopy luminaires mounting height is 15', and furnished by others. Calculations use canopy luminaire information provided to BSE. All luminaires are 3000K CCT.



#	Date	Comments

Drawn By:	Checked By:

Date: 10/18/2019  
Scale:  

**HT 423 Fuel Station**



- › Home
- › Why Wood Poles
- › TimberWood Products
- › Specification Sheets
- › Custom Design
- › Featured Installations
- › Reducing Carbon Footprint
  
- › Technical Resources
- › Brochures
- › Photos
- › WBE Certification
- › Contact Us



FSC® C044219  
The mark of responsible forestry



Scientific Certification Systems

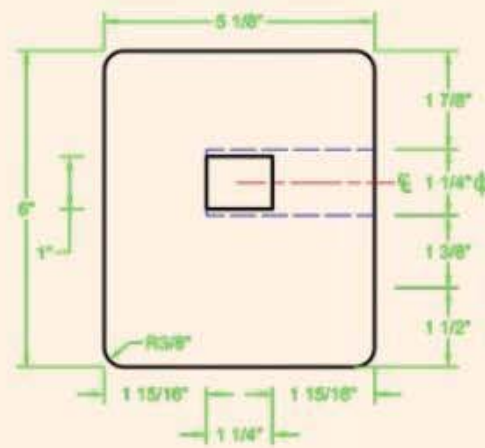
## Square Wood Light Poles

TimberWood light poles are laminated for strength and beauty, then pressure treated for durability. A wiring channel is strategically placed toward the center of the pole. While generally referred to as "square" poles, our lamination process does not facilitate exact square dimensions. For example, our 5" square poles measure 4 1/2" x 5 1/8" for pole heights from 10 to 20 feet above the groundline. Our 25' pole (height above ground) measures 5 1/8" x 6" with those dimensions increasing depending upon the length of the pole and the strength needed for loading. We do however, offer a true square model with 8" x 8" dimensions.



TimberWood light poles are available for both base-mounted applications as well as for direct burial. For base-mounted applications, our standard pole models range from 8' to 25' in length utilizing a steel base. Direct burial models provide heights ranging from 10' to 25' above the groundline as shown in the following table. For further detail, please download the PDF drawings found under **Downloadable TimberWood Information** to help determine the model that best suits your project.

TimberWood crossarms are also available in one way (2'9" to 4'9" lengths) and two way models (4' to 8' lengths).



SCALE: 3" = 1'

### Direct Burial

Model	Pole Dimensions	Model	Pole Dimensions
8P	4 1/2" x 5 1/8" - 11' 6"	20P	4 1/2" x 5 1/8" - 24' 6"
10P	4 1/2" x 5 1/8" - 13' 6"	20P4	5 1/8" x 6" - 25' 0"
12P	4 1/2" x 5 1/8" - 15' 6"	25P	5 1/8" x 6" - 30' 0"
15P	4 1/2" x 5 1/8" - 19' 0"	30P	6" x 6 3/4" - 36' 0"
15P4	6" x 5-1/8" x 19' 0"	35P	7-1/2" x 6-3/4" x 41' 6"

### Base Mounted

Model	Pole Dimensions	Model	Pole Dimensions
10PV	4 1/2" x 5 1/8" - 10'	20PV	4 1/2" x 5 1/8" - 20'
12PV	4 1/2" x 5 1/8" - 12'	25PV	5 1/8" x 6" - 25'
15PV	4 1/2" x 5 1/8" - 15'		

### Crossarms

One Way		Two Way	
Model	Length	Model	Length
A2	2' 9"	B2	4'
A3	3' 9"	B3	6'
A4	4' 9"	B4	8'

# OSQ Series

OSQ™ LED Area/Flood Luminaire – Medium

Harris Teeter  
Head 1

## Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. The 'B' Input power designator is a suitable upgrade for HID applications up to 250 Watt, and the 'K' Input power designator is a suitable upgrade for HID applications up to 400 Watt.

**Applications:** Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

## Performance Summary

NanoOptic® Precision Delivery Grid™ optic

Assembled in the U.S.A. of U.S. and imported parts

**Initial Delivered Lumens:** Up to 17,291

**Efficacy:** Up to 136 LPW

**CRI:** Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)

**CCT:** 3000K, 4000K, 5000K, 5700K

**Limited Warranty†:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

† See <http://lighting.cree.com/warranty> for warranty terms

## Accessories

Field-Installed	
<b>Backlight Shield</b> OSQ-BLSMF – Front facing optics OSQ-BLSMR – Rotated optics	<b>Hand-Held Remote</b> XA-SENSREM – For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required  <b>Bird Spikes</b> OSQ-MED-BRDSPK

## Ordering Information

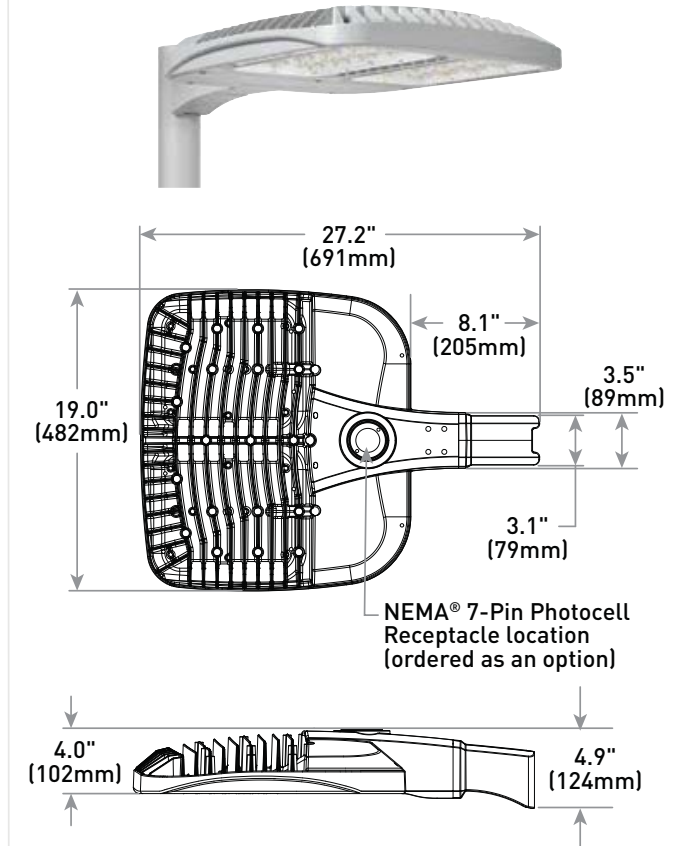
Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-B-AASV + **Luminaire:** OSQ-A-NM-2ME-B-40K-UL-SV

Mount (Luminaire must be ordered separately)*					
<b>OSQ-</b>					
<b>OSQ-B-AA</b> Adjustable Arm <b>OSQ-DA</b> Direct Arm	<b>Color Options:</b> <table border="0"> <tr> <td><b>SV</b> Silver</td> <td><b>BZ</b> Bronze</td> </tr> <tr> <td><b>BK</b> Black</td> <td><b>WH</b> White</td> </tr> </table>	<b>SV</b> Silver	<b>BZ</b> Bronze	<b>BK</b> Black	<b>WH</b> White
<b>SV</b> Silver	<b>BZ</b> Bronze				
<b>BK</b> Black	<b>WH</b> White				

\* Reference EPA and pole configuration suitability data beginning on page 9

## DA Mount



Weight
28.9 lbs. (13.1kg)

Luminaire (Mount must be ordered separately)									
OSQ	A	NM							
Product	Version	Mounting	Optic	Input Power Designator	CCT	Voltage	Color Options	Options	
OSQ	A	NM No Mount	<b>Asymmetric</b> 2ME* Type II Medium 4ME* Type IV Medium 3ME* Type III Medium  <b>Symmetric</b> 5ME Type V Medium 25D 25° Flood 40D 40° Flood 55H Type V Short 60D 60° Flood WSN Wide Sign 15D 15° Flood	B 86W K 130W Z 53W	30K 3000K, 70 CRI 40K 4000K, 70 CRI 50K 5000K, 90 CRI 57K 5700K, 70 CRI	UL 120-277V UH 347-480V – Available with B & K Input Power Designators only	BK Black BZ Bronze SV Silver WH White	<b>F Fuse</b> – When code dictates fusing, use time delay fuse – Available for U.S. applications only  <b>PML Programmable Multi-Level, up to 40' Mounting Height</b> – Refer to <a href="#">PML spec sheet</a> for details – Intended for downlight applications at 0° tilt  <b>PML2 Programmable Multi-Level, 10-30' Mounting Height</b> – Refer to <a href="#">PML spec sheet</a> for details – Intended for downlight applications at 0° tilt  <b>Q9/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output</b> – Must select Q9, Q6, Q5, Q4, Q3, Q2, or Q1 – Offers full range adjustability – Refer to pages 11-12 for power and lumen values – Available with B & K Input Power Designators only – Not available with PML or PML2 options	<b>R NEMA® 7-Pin Photocell Receptacle</b> – 7-pin receptacle per ANSI C136.41 – Intended for downlight applications with maximum 45° tilt – Factory connected 0-10V dim leads – 18" (457mm) seven-conductor cord exits luminaire – Photocell or shorting cap by others  <b>RL Rotate Left</b> – LED and optic are rotated to the left – Refer to RR/RL configuration diagram on page 13 for optic directionality  <b>RR Rotate Right</b> – LED and optic are rotated to the right – Refer to RR/RL configuration diagram on page 13 for optic directionality

\* Available with Backlight Shield when ordered with field-installed accessory (see table above)



Rev. Date: V19 05/09/2019



US: [lighting.cree.com](http://lighting.cree.com)

T (800) 236-6800 F (262) 504-5415

Canada: [www.cree.com/canada](http://www.cree.com/canada)

T (800) 473-1234 F (800) 890-7507

## OSQ™ LED Area/Flood Luminaire – Medium

### Product Specifications

#### CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Convenient interlocking mounting method on direct arm mount. Mounting adaptor is rugged die cast aluminum and mounts to 3-6" (76-152mm) square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers
- Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenon
- Adjustable arm mount can be adjusted 180° in 2.5° increments
- Includes 18" (340mm) 18/5 or 16/5 cord exiting the luminaire. When ordered with R option, 18" (340mm) 18/7 or 16/7 cord is provided
- Designed for uplight and downlight applications
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available
- **Weight:** OSQ-DA: 28.9 lbs. (13.1kg); OSQ-B-AA: 28.4 lbs. (12.9kg)

#### ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to Dimming spec sheet for details
- **Maximum 10V Source Current:** 1.0mA

#### REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R option
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- DLC and DLC Premium qualified versions available with 70 CRI. Some exceptions apply. Please refer to <https://www.designlights.org/search/> for most current information
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT. Please refer to <http://darksky.org/fsa/fsa-products/> for most current information
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

Electrical Data*							
Input Power Designator	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
B	86	0.73	0.43	0.37	0.32	0.25	0.19
K	130	1.09	0.65	0.56	0.49	0.38	0.28
Z	53**	0.46	0.26	0.22	0.19	N/A	N/A

\* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/-10%

\*\* Available with UL voltage only

OSQ Series Ambient Adjusted Lumen Maintenance <sup>1</sup>						
Ambient	Optic	Initial LMF	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Projected <sup>2</sup> / Calculated <sup>3</sup> LMF	100K hr Projected <sup>2</sup> / Calculated <sup>3</sup> LMF
5°C (41°F)	Asymmetric	1.04	1.02	1.01	1.00 <sup>3</sup>	0.99 <sup>3</sup>
	Symmetric	1.05	1.04	1.03	1.03 <sup>2</sup>	1.02 <sup>2</sup>
10°C (50°F)	Asymmetric	1.03	1.01	1.00	0.99 <sup>3</sup>	0.98 <sup>3</sup>
	Symmetric	1.04	1.03	1.02	1.01 <sup>2</sup>	1.00 <sup>2</sup>
15°C (59°F)	Asymmetric	1.02	1.00	0.99	0.98 <sup>3</sup>	0.97 <sup>3</sup>
	Symmetric	1.02	1.02	1.01	1.00 <sup>2</sup>	0.99 <sup>2</sup>
20°C (68°F)	Asymmetric	1.01	0.99	0.98	0.97 <sup>3</sup>	0.96 <sup>3</sup>
	Symmetric	1.01	1.01	1.00	0.99 <sup>2</sup>	0.98 <sup>2</sup>
25°C (77°F)	Asymmetric	1.00	0.98	0.97	0.96 <sup>3</sup>	0.95 <sup>3</sup>
	Symmetric	1.00	0.99	0.98	0.98 <sup>2</sup>	0.97 <sup>2</sup>

<sup>1</sup> Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

<sup>2</sup> In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip

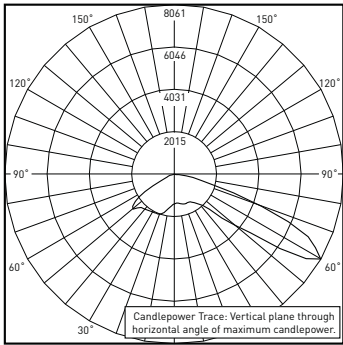
<sup>3</sup> In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip

OSQ™ LED Area/Flood Luminaire – Medium

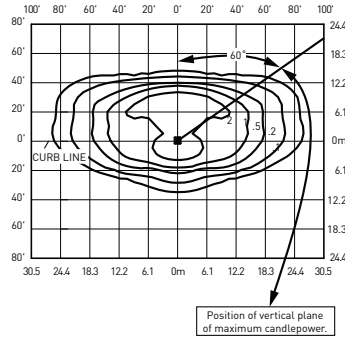
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**2ME**



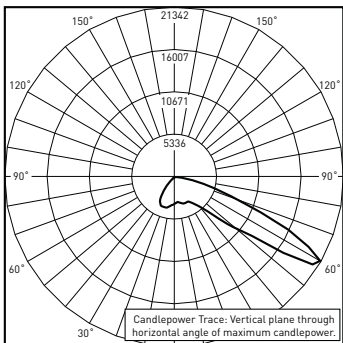
**RESTL Test Report #:** PL08877-001A  
**OSQ-A\*\*-2ME-B-30K-UL**  
**Initial Delivered Lumens:** 10,381



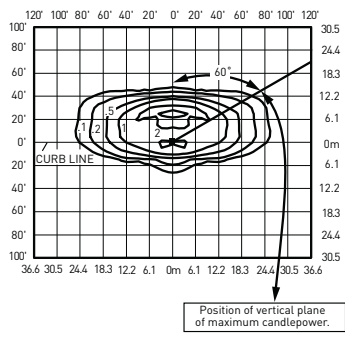
**OSQ-A\*\*-2ME-B-40K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 11,424  
 Initial FC at grade

Type II Medium Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,738	B2 U0 G2	11,424	B2 U0 G2	9,350	B2 U0 G2	11,648	B2 U0 G2
K	16,022	B3 U0 G3	16,959	B3 U0 G3	14,000	B3 U0 G2	17,291	B3 U0 G3
Z	6,481	B2 U0 G1	6,896	B2 U0 G1	5,750	B1 U0 G1	7,031	B2 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



**CESTL Test Report #:** PL07700-001A  
**OSQ-A\*\*-2ME-U-57K-UL w/OSQ-BLSLF**  
**Initial Delivered Lumens:** 22,822



**OSQ-A\*\*-2ME-B-40K-UL w/OSQ-BLSMF**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 8,779  
 Initial FC at grade

Type II Medium w/BLS Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
B	8,251	B2 U0 G2	8,779	B2 U0 G2	7,200	B1 U0 G1	8,950	B2 U0 G2
K	12,312	B2 U0 G2	13,032	B2 U0 G2	10,750	B2 U0 G2	13,286	B2 U0 G2
Z	4,980	B1 U0 G1	5,299	B1 U0 G1	4,420	B1 U0 G1	5,402	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



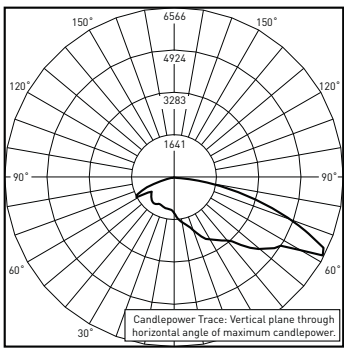


OSQ™ LED Area/Flood Luminaire – Medium

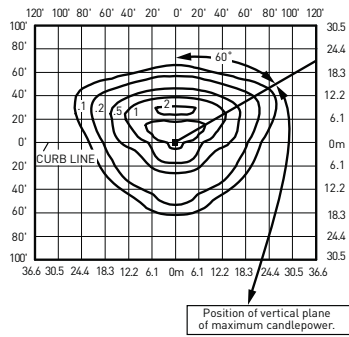
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**3ME**



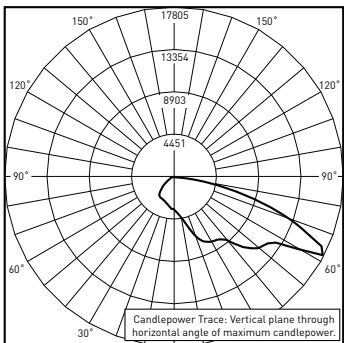
**RESTL Test Report #:** PL08876-001A  
**OSQ-A-\*\*-3ME-B-30K-UL**  
**Initial Delivered Lumens:** 10,421



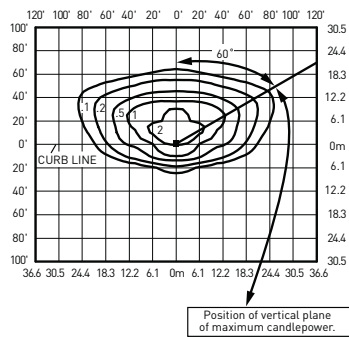
**OSQ-A-\*\*-3ME-B-40K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 11,424  
 Initial FC at grade

Type III Medium Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,738	B3 U0 G3	11,424	B3 U0 G3	9,350	B2 U0 G2	11,648	B3 U0 G3
K	16,022	B3 U0 G3	16,959	B3 U0 G3	14,000	B3 U0 G3	17,291	B3 U0 G3
Z	6,481	B2 U0 G2	6,896	B2 U0 G2	5,750	B2 U0 G2	7,031	B2 U0 G2

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



**CESTL Test Report #:** PL07699-001A  
**OSQ-A-\*\*-3ME-U-57K-UL w/OSQ-BLSLF**  
**Initial Delivered Lumens:** 23,601



**OSQ-A-\*\*-3ME-B-40K-UL w/OSQ-BLSMF**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 9,019  
 Initial FC at grade

Type III Medium w/BLS Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	8,477	B1 U0 G2	9,019	B1 U0 G2	7,400	B1 U0 G2	9,196	B1 U0 G2
K	12,649	B2 U0 G2	13,389	B2 U0 G2	11,050	B2 U0 G2	13,650	B2 U0 G2
Z	5,117	B1 U0 G1	5,444	B1 U0 G1	4,540	B1 U0 G1	5,551	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

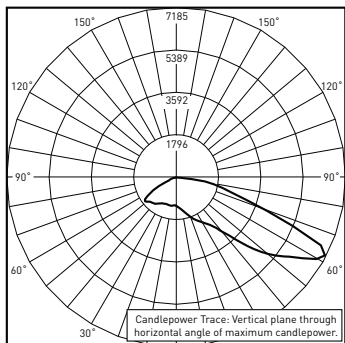


## OSQ™ LED Area/Flood Luminaire – Medium

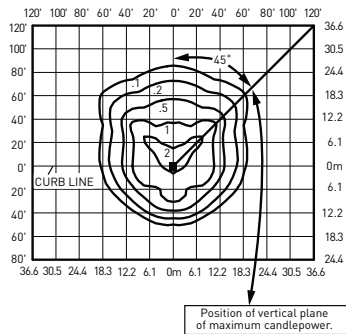
### Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

#### 4ME



RESTL Test Report #: PL08878-001A  
OSQ-A-\*\*-4ME-B-30K-UL  
Initial Delivered Lumens: 10,230

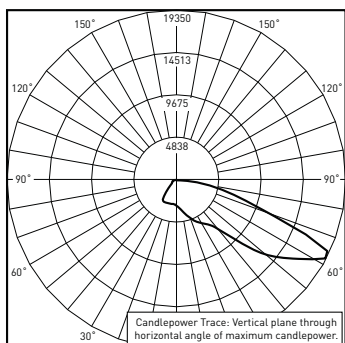


OSQ-A-\*\*-4ME-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 11,424  
Initial FC at grade

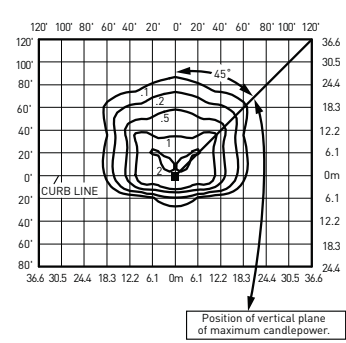
Type IV Medium Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,738	B2 U0 G2	11,424	B2 U0 G2	9,350	B2 U0 G2	11,648	B2 U0 G2
K	16,022	B3 U0 G3	16,959	B3 U0 G3	14,000	B3 U0 G3	17,291	B3 U0 G3
Z	6,481	B2 U0 G2	6,896	B2 U0 G2	5,750	B2 U0 G1	7,031	B2 U0 G2

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



CESTL Test Report #: PL07692-001A  
OSQ-A-\*\*-4ME-U-57K-UL w/OSQ-BLSLF  
Initial Delivered Lumens: 22,793



OSQ-A-\*\*-4ME-B-40K-UL w/OSQ-BLSMF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 8,779  
Initial FC at grade

Type IV Medium w/BLS Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	8,251	B1 U0 G2	8,779	B1 U0 G2	7,200	B1 U0 G2	8,950	B1 U0 G2
K	12,312	B2 U0 G2	13,032	B2 U0 G2	10,750	B2 U0 G2	13,286	B2 U0 G2
Z	4,980	B1 U0 G1	5,299	B1 U0 G1	4,420	B1 U0 G1	5,402	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

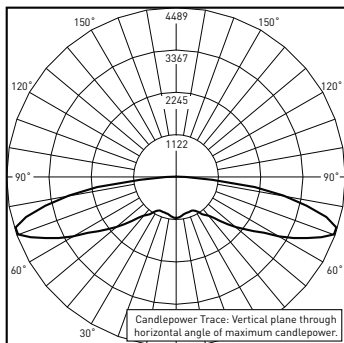


## OSQ™ LED Area/Flood Luminaire – Medium

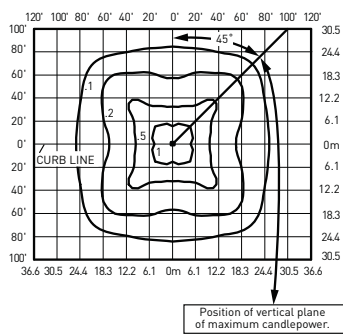
### Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

#### 5ME



RESTL Test Report #: PL08534-001B  
OSQ-A-\*\*-5ME-B-40K-UL  
Initial Delivered Lumens: 10,519



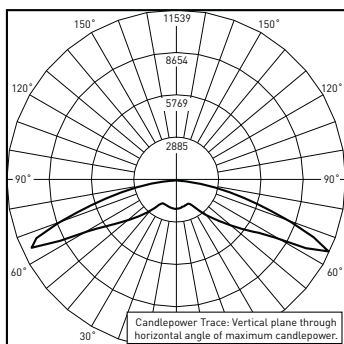
OSQ-A-\*\*-5ME-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 10,867  
Initial FC at grade

Type V Medium Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,232	B4 U0 G3	10,867	B4 U0 G3	10,000	B4 U0 G3	11,056	B4 U0 G3
K	15,063	B4 U0 G4	15,999	B4 U0 G4	14,925	B4 U0 G4	16,277	B4 U0 G4
Z	5,257	B3 U0 G3	6,086	B3 U0 G3	6,175	B3 U0 G3	6,192	B3 U0 G3

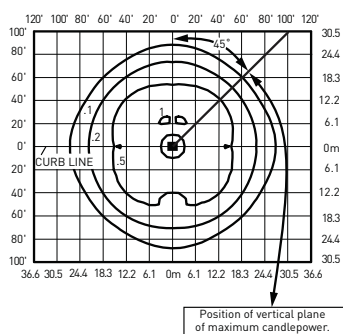
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

#### 5SH



CESTL Test Report #: PL10754-001A  
OSQ-A-\*\*-5SH-U-40K-UL  
Initial Delivered Lumens: 25,679



OSQ-A-\*\*-5SH-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 11,478  
Initial FC at grade

Type V Short Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,806	B4 U0 G2	11,478	B4 U0 G2	10,575	B4 U0 G2	11,678	B4 U0 G2
K	15,909	B4 U0 G3	16,897	B4 U0 G3	15,800	B4 U0 G3	17,191	B4 U0 G3
Z	5,552	B3 U0 G1	6,428	B3 U0 G2	6,525	B3 U0 G2	6,539	B3 U0 G2

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

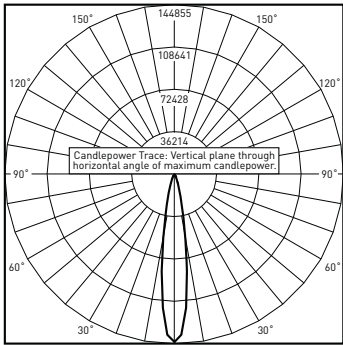


OSQ™ LED Area/Flood Luminaire – Medium

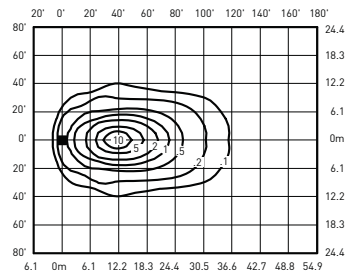
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**15D**



CESTL Test Report #: PL07689-001A  
OSQ-A\*\*-15D-U-30K-UL  
Initial Delivered Lumens: 23,254

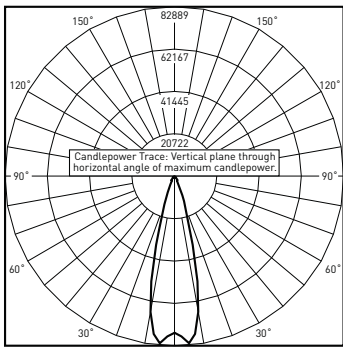


OSQ-A\*\*-15D-B-40K-UL  
Mounting Height: 25' [7.6m] A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

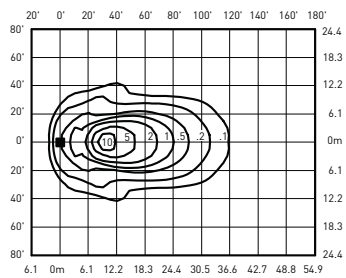
15° Flood Distribution				
Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
		Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

**25D**



CESTL Test Report #: PL07696-001A  
OSQ-A\*\*-25D-U-30K-UL  
Initial Delivered Lumens: 23,265

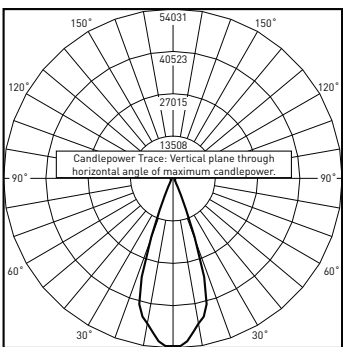


OSQ-A\*\*-25D-B-40K-UL  
Mounting Height: 25' [7.6m] A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

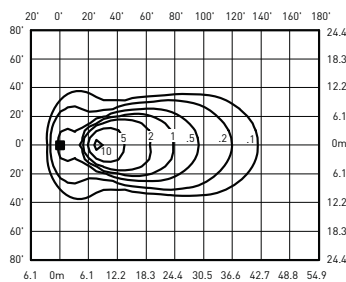
25° Flood Distribution				
Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
		Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

**40D**



CESTL Test Report #: PL07697-001A  
OSQ-A\*\*-40D-U-30K-UL  
Initial Delivered Lumens: 22,943



OSQ-A\*\*-40D-B-40K-UL  
Mounting Height: 25' [7.6m] A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

40° Flood Distribution				
Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90 CRI)	5700K (70 CRI)
		Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

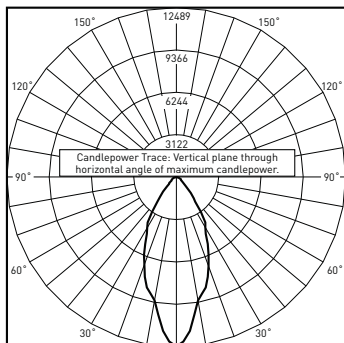


## OSQ™ LED Area/Flood Luminaire – Medium

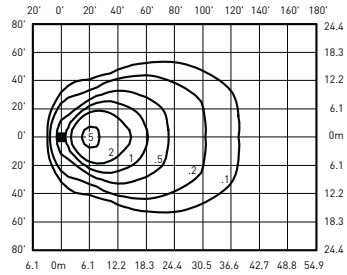
### Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult:  
<http://lighting.cree.com/products/outdoor/area/osq-series>

#### 60D



CESTL Test Report #: PL08100-001B  
 OSQ-A-\*\*-60D-B-30K-UL  
 Initial Delivered Lumens: 10,079



OSQ-A-\*\*-60D-B-40K-UL  
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
 Initial Delivered Lumens: 11,478  
 Initial FC at grade

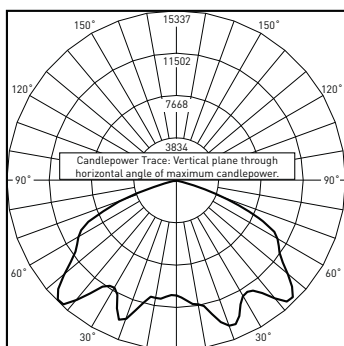
#### 60° Flood Distribution

Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90 CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539

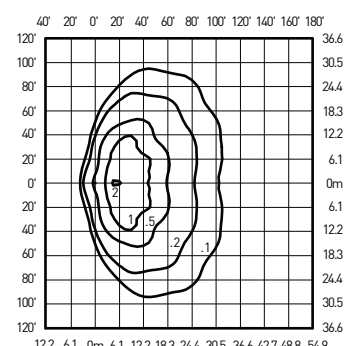
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:  
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

#### WSN



CESTL Test Report #: PL07695-001A  
 OSQ-A-\*\*-WSN-U-30K-UL  
 Initial Delivered Lumens: 23,116



OSQ-A-\*\*-WSN-B-40K-UL  
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
 Initial Delivered Lumens: 11,478  
 Initial FC at grade

#### Wide Sign Distribution







Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90 CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539










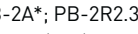






\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:  
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

OSQ™ LED Area/Flood Luminaire – Medium

**Luminaire EPA**

Fixed Arm Mount – OSQ-DA Weight: 28.9 lbs. (13.1kg)					
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
					
0.74	1.48	1.19	1.93	1.63	2.38

Adjustable Arm Mount – OSQ-B-AA Weight: 28.4 lbs. (12.9kg)							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
<b>Tenon Configuration (0°-80° Tilt);</b> If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*; PD-2A4(90); PT-2(90)	PB-3A*; PD-3A4(90); PT-3(90)	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375; PD-4A4(90); PT-4(90)
<b>0° Tilt</b>							
0.74	1.48	1.19	1.93	1.63	3.33	4.66	2.38
<b>10° Tilt</b>							
0.75	1.48	1.49	2.23	2.15	4.22	5.84	2.98
<b>20° Tilt</b>							
1.12	1.48	1.86	2.60	2.85	5.31	7.32	3.72
<b>30° Tilt</b>							
1.46	1.48	2.20	2.94	3.56	6.34	8.68	4.40
<b>45° Tilt</b>							
1.96	1.96	2.69	3.43	4.54	7.83	10.68	5.38
<b>60° Tilt</b>							
2.33	2.33	3.07	3.81	5.11	8.94	12.16	6.14
<b>70° Tilt</b>							
2.49	2.49	3.23	3.97	5.11	9.43	12.80	6.46
<b>80° Tilt</b>							
2.58	2.58	3.32	4.06	5.11	9.71	13.16	6.64
<b>Tenon Configuration (90° Tilt);</b> If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*	PB-3A*	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375
<b>90° Tilt</b>							
2.61	2.61	4.44	6.05	5.11	9.79	13.28	10.39

\* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")



**Tenon EPA**

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

\* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

Tenons and Brackets* (must specify color)	
<p><b>Square Internal Mount Vertical Tenons (Steel)</b>                      - Mounts to 3-6" (76-152mm) square aluminum or steel poles                      PB-1A* – Single                      PB-4A*(90) – 90° Quad                      PB-2A* – 180° Twin                PB-4A*(180) – 180° Quad                      PB-3A* – 180° Triple</p> <p><b>Square Internal Mount Horizontal Tenons (Aluminum)</b>                      - Mounts to 4" (102mm) square aluminum or steel poles                      PD-2A4(90) – 90° Twin            PD-3A4(90) – 90° Triple                      PD-2A4(180) – 180° Twin        PD-4A4(90) – 90° Quad</p> <p><b>Wall Mount Brackets</b>                      - Mounts to wall or roof                      WM-2 – Horizontal for OSQ-B-AA mount                      WM-4 – L-Shape for OSQ-B-AA mount                      WM-DM – Plate for OSQ-DA mount</p>	<p><b>Round External Mount Vertical Tenons (Steel)</b>                      - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons                      PB-2R2.375 – Twin                      PB-4R2.375 – Quad                      PB-3R2.375 – Triple</p> <p><b>Round External Mount Horizontal Tenons (Aluminum)</b>                      - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons                      - Mounts to square pole with PB-1A* tenon                      PT-1 – Single (Vertical)                PT-3(90) – 90° Triple                      PT-2(90) – 90° Twin                    PT-3(120) – 120° Triple                      PT-2(180) – 180° Twin                PT-4(90) – 90° Quad</p> <p><b>Mid-Pole Bracket</b>                      - Mounts to square pole                      PW-1A3** – Single                      PW-2A3** – Double</p> <p><b>Ground Mount Post</b>                      - For ground-mounted flood luminaires                      PGM-1 – for OSQ-B-AA mount</p>

‡ Refer to the [Bracket and Tenons spec sheet](#) for more details

**Direct Mount Configurations**

Compatibility with OSQ-DA Direct Mount Bracket					
Input Power Designator	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
<b>3" Square</b>					
B, K & Z	N/A	✓	N/A	N/A	N/A
<b>3" Round</b>					
B, K & Z	N/A	✓	N/A	N/A	N/A
<b>4" Square</b>					
B, K & Z	✓	✓	✓	N/A	✓
<b>4" Round</b>					
B, K & Z	✓	✓	✓	✓	✓
<b>5" Square</b>					
B, K & Z	✓	✓	✓	N/A	✓
<b>5" Round</b>					
B, K & Z	✓	✓	✓	✓	✓
<b>6" Square</b>					
B, K & Z	✓	✓	✓	N/A	✓
<b>6" Round</b>					
B, K & Z	✓	✓	✓	✓	✓



**Field Adjustable Output (Q9/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:**

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

**Q Option Power & Lumen Data – Designator B**

Q Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values						Optics Qualified on DLC QPL	
			Asymmetric	5ME	5SH & Floods	2ME w/ BLS	3ME w/ BLS	4ME w/BLS	Standard	Premium
Q9 (Full Power)	30K (70 CRI)	86	10,738	10,232	10,806	8,251	8,477	8,251	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		11,424	10,867	11,478	8,779	9,019	8,779	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		9,350	10,000	10,575	7,200	7,400	7,200	TBD	TBD
	57K (70 CRI)		11,648	11,056	11,678	8,950	9,196	8,950	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q6	30K (70 CRI)	77	9,449	9,004	9,509	7,261	7,460	7,261	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		10,053	9,563	10,101	7,726	7,937	7,726	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		8,350	8,950	9,450	6,425	6,600	6,425	TBD	TBD
	57K (70 CRI)		10,250	9,729	10,277	7,876	8,092	7,876	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q5	30K (70 CRI)	72	8,913	8,492	8,969	6,848	7,036	6,848	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		9,482	9,020	9,527	7,287	7,486	7,287	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		7,525	8,050	8,525	5,775	5,950	5,775	TBD	TBD
	57K (70 CRI)		9,668	9,176	9,693	7,429	7,633	7,429	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q4	30K (70 CRI)	62	7,731	7,367	7,780	5,941	6,103	5,941	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		8,225	7,824	8,264	6,321	6,494	6,321	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		6,575	7,025	7,425	5,050	5,175	5,050	TBD	TBD
	57K (70 CRI)		8,387	7,960	8,408	6,444	6,621	6,444	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q3	30K (70 CRI)	53	6,550	6,241	6,592	5,033	5,171	5,033	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		6,969	6,629	7,002	5,355	5,502	5,355	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		5,575	5,975	6,325	4,290	4,410	4,290	TBD	TBD
	57K (70 CRI)		7,105	6,744	7,124	5,460	5,610	5,460	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q2	30K (70 CRI)	45	5,476	5,218	5,511	4,208	4,323	4,208	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		5,826	5,542	5,854	4,477	4,600	4,477	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		4,550	4,890	5,175	3,500	3,590	3,500	TBD	TBD
	57K (70 CRI)		5,940	5,639	5,956	4,565	4,690	4,565	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q1	30K (70 CRI)	34	4,188	3,990	4,214	3,218	3,306	3,218	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		4,455	4,238	4,476	3,424	3,517	3,424	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		3,500	3,770	3,980	2,690	2,760	2,690	TBD	TBD
	57K (70 CRI)		4,543	4,312	4,554	3,491	3,586	3,491	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN





**Field Adjustable Output (Q9/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:**

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

**Q Option Power & Lumen Data – Designator K**

Q Option Setting	CCT/CRI	System Watts	Lumen Values						Optics Qualified on DLC QPL	
			120-480V	Asymmetric	5ME	5SH & Floods	2ME w/BLS	3ME w/BLS	4ME w/BLS	Standard
Q9 (Full Power)	30K (70 CRI)	130	16,022	15,063	15,909	12,312	12,649	12,312	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		16,959	15,999	16,897	13,032	13,389	13,032	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		14,000	14,925	15,800	10,750	11,050	10,750	TBD	TBD
	57K (70 CRI)		17,291	16,277	17,191	13,286	13,650	13,286	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q6	30K (70 CRI)	117	14,099	13,255	14,000	10,835	11,131	10,835	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		14,924	14,079	14,869	11,468	11,782	11,468	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		12,500	13,350	14,100	9,600	9,875	9,600	TBD	TBD
	57K (70 CRI)		15,216	14,324	15,128	11,692	12,012	11,692	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q5	30K (70 CRI)	110	13,298	12,502	13,204	10,219	10,499	10,219	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		14,076	13,279	14,025	10,817	11,113	10,817	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		11,250	12,050	12,725	8,650	8,900	8,650	TBD	TBD
	57K (70 CRI)		14,352	13,510	14,269	11,027	11,330	11,027	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q4	30K (70 CRI)	93	11,536	10,845	11,454	8,865	9,107	8,865	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		12,210	11,519	12,166	9,383	9,640	9,383	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		9,825	10,525	11,100	7,550	7,750	7,550	TBD	TBD
	57K (70 CRI)		12,450	11,719	12,378	9,566	9,828	9,566	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q3	30K (70 CRI)	80	9,773	9,188	9,704	7,510	7,716	7,510	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		10,345	9,759	10,307	7,950	8,167	7,950	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		8,350	8,950	9,475	6,425	6,600	6,425	TBD	TBD
	57K (70 CRI)		10,548	9,929	10,487	8,104	8,327	8,104	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q2	30K (70 CRI)	67	8,171	7,682	8,114	6,279	6,451	6,279	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		8,649	8,159	8,617	6,646	6,828	6,646	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		6,825	7,325	7,725	5,250	5,375	5,250	TBD	TBD
	57K (70 CRI)		8,818	8,301	8,767	6,776	6,962	6,776	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q1	30K (70 CRI)	51	6,249	5,875	6,205	4,802	4,933	4,802	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		6,614	6,240	6,590	5,082	5,222	5,082	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		5,250	5,650	5,975	4,030	4,150	4,030	TBD	TBD
	57K (70 CRI)		6,743	6,348	6,704	5,182	5,324	5,182	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN



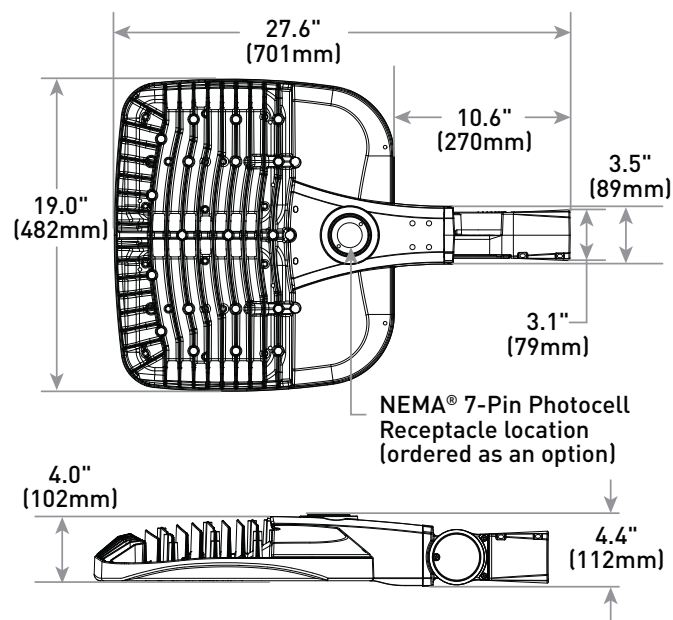
OSQ™ LED Area/Flood Luminaire – Medium

AA Mount

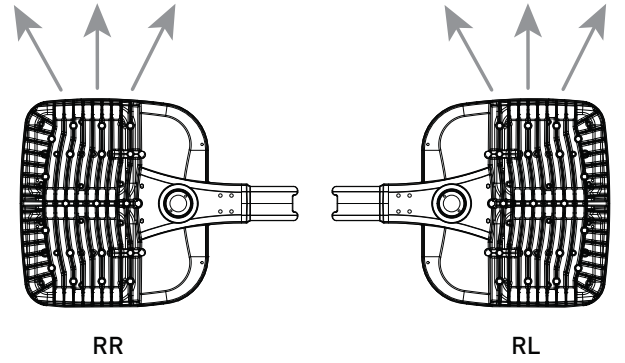


Weight

28.4 lbs. (12.9kg)



RR/RL Configuration



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# OSQ Series

OSQ™ LED Area/Flood Luminaire – Medium

Harris Teeter  
Head 2

## Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. The 'B' Input power designator is a suitable upgrade for HID applications up to 250 Watt, and the 'K' Input power designator is a suitable upgrade for HID applications up to 400 Watt.

**Applications:** Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

## Performance Summary

NanoOptic® Precision Delivery Grid™ optic

Assembled in the U.S.A. of U.S. and imported parts

**Initial Delivered Lumens:** Up to 17,291

**Efficacy:** Up to 136 LPW

**CRI:** Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)

**CCT:** 3000K, 4000K, 5000K, 5700K

**Limited Warranty†:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

† See <http://lighting.cree.com/warranty> for warranty terms

## Accessories

Field-Installed	
<b>Backlight Shield</b> OSQ-BLSMF – Front facing optics OSQ-BLSMR – Rotated optics	<b>Hand-Held Remote</b> XA-SENSREM – For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required  <b>Bird Spikes</b> OSQ-MED-BRDSPK

## Ordering Information

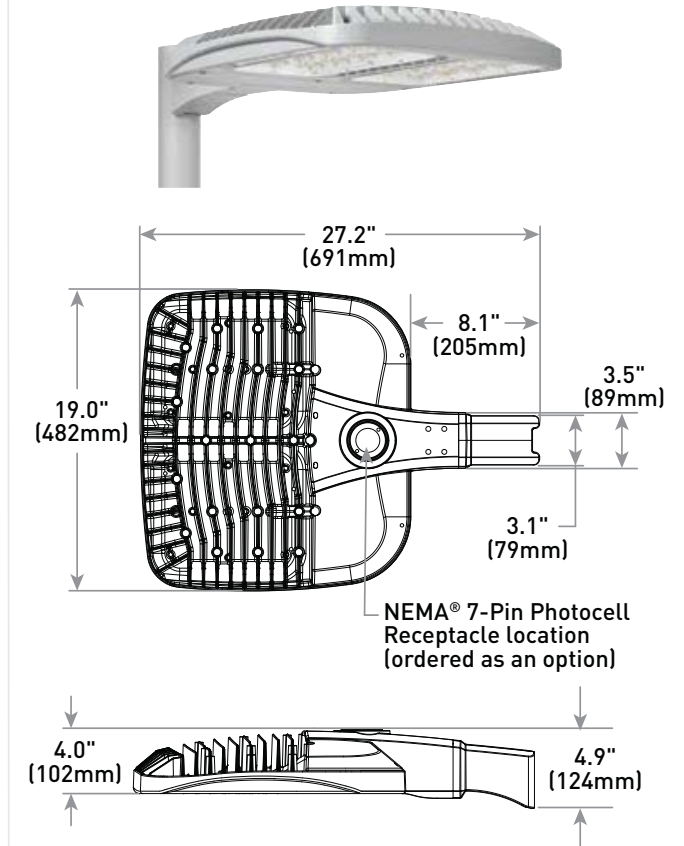
Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-B-AASV + **Luminaire:** OSQ-A-NM-2ME-B-40K-UL-SV

Mount (Luminaire must be ordered separately)*					
<b>OSQ-</b>					
<b>OSQ-B-AA</b> Adjustable Arm <b>OSQ-DA</b> Direct Arm	<b>Color Options:</b> <table border="0"> <tr> <td><b>SV</b> Silver</td> <td><b>BZ</b> Bronze</td> </tr> <tr> <td><b>BK</b> Black</td> <td><b>WH</b> White</td> </tr> </table>	<b>SV</b> Silver	<b>BZ</b> Bronze	<b>BK</b> Black	<b>WH</b> White
<b>SV</b> Silver	<b>BZ</b> Bronze				
<b>BK</b> Black	<b>WH</b> White				

\* Reference EPA and pole configuration suitability data beginning on page 9

## DA Mount



## Weight

28.9 lbs. (13.1kg)

Luminaire (Mount must be ordered separately)																							
OSQ	A	NM																					
Product	Version	Mounting	Optic	Input Power Designator	CCT	Voltage	Color Options	Options															
OSQ	A	NM No Mount	<b>Asymmetric</b> <table border="0"> <tr> <td><b>2ME*</b> Type II Medium</td> <td><b>4ME*</b> Type IV Medium</td> </tr> <tr> <td><b>3ME*</b> Type III Medium</td> <td></td> </tr> </table> <b>Symmetric</b> <table border="0"> <tr> <td><b>5ME</b> Type V Medium</td> <td><b>25D</b> 25° Flood</td> </tr> <tr> <td><b>40D</b> Type V Short</td> <td><b>40° Flood</b></td> </tr> <tr> <td><b>60D</b> Type V Short</td> <td><b>60° Flood</b></td> </tr> <tr> <td><b>WSN</b> Wide Sign</td> <td></td> </tr> <tr> <td><b>15D</b> 15° Flood</td> <td></td> </tr> </table>	<b>2ME*</b> Type II Medium	<b>4ME*</b> Type IV Medium	<b>3ME*</b> Type III Medium		<b>5ME</b> Type V Medium	<b>25D</b> 25° Flood	<b>40D</b> Type V Short	<b>40° Flood</b>	<b>60D</b> Type V Short	<b>60° Flood</b>	<b>WSN</b> Wide Sign		<b>15D</b> 15° Flood		<b>B</b> 86W  <b>K</b> 130W  <b>Z</b> 53W	<b>30K</b> 3000K, 70 CRI  <b>40K</b> 4000K, 70 CRI  <b>50K</b> 5000K, 90 CRI  <b>57K</b> 5700K, 70 CRI	<b>UL</b> Universal 120-277V  <b>UH</b> Universal 347-480V – Available with B & K Input Power Designators only	<b>BK</b> Black  <b>BZ</b> Bronze  <b>SV</b> Silver  <b>WH</b> White	<b>F Fuse</b> – When code dictates fusing, use time delay fuse – Available for U.S. applications only  <b>PML Programmable Multi-Level, up to 40' Mounting Height</b> – Refer to <a href="#">PML spec sheet</a> for details – Intended for downlight applications at 0° tilt  <b>PML2 Programmable Multi-Level, 10-30' Mounting Height</b> – Refer to <a href="#">PML spec sheet</a> for details – Intended for downlight applications at 0° tilt  <b>Q9/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output</b> – Must select Q9, Q6, Q5, Q4, Q3, Q2, or Q1 – Offers full range adjustability – Refer to pages 11-12 for power and lumen values – Available with B & K Input Power Designators only – Not available with PML or PML2 options	<b>R NEMA® 7-Pin Photocell Receptacle</b> – 7-pin receptacle per ANSI C136.41 – Intended for downlight applications with maximum 45° tilt – Factory connected 0-10V dim leads – 18" (457mm) seven-conductor cord exits luminaire – Photocell or shorting cap by others  <b>RL Rotate Left</b> – LED and optic are rotated to the left – Refer to RR/RL configuration diagram on page 13 for optic directionality  <b>RR Rotate Right</b> – LED and optic are rotated to the right – Refer to RR/RL configuration diagram on page 13 for optic directionality
<b>2ME*</b> Type II Medium	<b>4ME*</b> Type IV Medium																						
<b>3ME*</b> Type III Medium																							
<b>5ME</b> Type V Medium	<b>25D</b> 25° Flood																						
<b>40D</b> Type V Short	<b>40° Flood</b>																						
<b>60D</b> Type V Short	<b>60° Flood</b>																						
<b>WSN</b> Wide Sign																							
<b>15D</b> 15° Flood																							

\* Available with Backlight Shield when ordered with field-installed accessory (see table above)



Rev. Date: V19 05/09/2019



US: [lighting.cree.com](http://lighting.cree.com)

T (800) 236-6800 F (262) 504-5415

Canada: [www.cree.com/canada](http://www.cree.com/canada)

T (800) 473-1234 F (800) 890-7507

## OSQ™ LED Area/Flood Luminaire – Medium

### Product Specifications

#### CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Convenient interlocking mounting method on direct arm mount. Mounting adaptor is rugged die cast aluminum and mounts to 3-6" (76-152mm) square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers
- Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenon
- Adjustable arm mount can be adjusted 180° in 2.5° increments
- Includes 18" (340mm) 18/5 or 16/5 cord exiting the luminaire. When ordered with R option, 18" (340mm) 18/7 or 16/7 cord is provided
- Designed for uplight and downlight applications
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available
- **Weight:** OSQ-DA: 28.9 lbs. (13.1kg); OSQ-B-AA: 28.4 lbs. (12.9kg)

#### ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to Dimming spec sheet for details
- **Maximum 10V Source Current:** 1.0mA

#### REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R option
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- DLC and DLC Premium qualified versions available with 70 CRI. Some exceptions apply. Please refer to <https://www.designlights.org/search/> for most current information
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT. Please refer to <http://darksky.org/fsa/fsa-products/> for most current information
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

Electrical Data*							
Input Power Designator	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
B	86	0.73	0.43	0.37	0.32	0.25	0.19
K	130	1.09	0.65	0.56	0.49	0.38	0.28
Z	53**	0.46	0.26	0.22	0.19	N/A	N/A

\* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/-10%

\*\* Available with UL voltage only

OSQ Series Ambient Adjusted Lumen Maintenance <sup>1</sup>						
Ambient	Optic	Initial LMF	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Projected <sup>2</sup> / Calculated <sup>3</sup> LMF	100K hr Projected <sup>2</sup> / Calculated <sup>3</sup> LMF
5°C (41°F)	Asymmetric	1.04	1.02	1.01	1.00 <sup>3</sup>	0.99 <sup>3</sup>
	Symmetric	1.05	1.04	1.03	1.03 <sup>2</sup>	1.02 <sup>2</sup>
10°C (50°F)	Asymmetric	1.03	1.01	1.00	0.99 <sup>3</sup>	0.98 <sup>3</sup>
	Symmetric	1.04	1.03	1.02	1.01 <sup>2</sup>	1.00 <sup>2</sup>
15°C (59°F)	Asymmetric	1.02	1.00	0.99	0.98 <sup>3</sup>	0.97 <sup>3</sup>
	Symmetric	1.02	1.02	1.01	1.00 <sup>2</sup>	0.99 <sup>2</sup>
20°C (68°F)	Asymmetric	1.01	0.99	0.98	0.97 <sup>3</sup>	0.96 <sup>3</sup>
	Symmetric	1.01	1.01	1.00	0.99 <sup>2</sup>	0.98 <sup>2</sup>
25°C (77°F)	Asymmetric	1.00	0.98	0.97	0.96 <sup>3</sup>	0.95 <sup>3</sup>
	Symmetric	1.00	0.99	0.98	0.98 <sup>2</sup>	0.97 <sup>2</sup>

<sup>1</sup> Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

<sup>2</sup> In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip

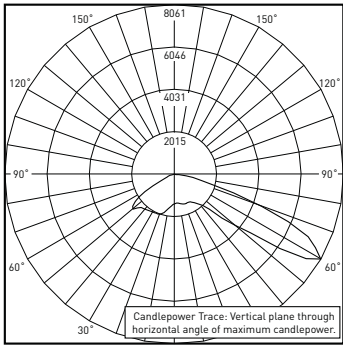
<sup>3</sup> In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip

OSQ™ LED Area/Flood Luminaire – Medium

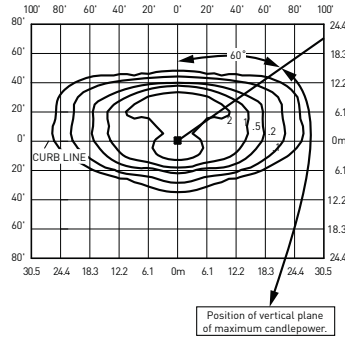
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**2ME**



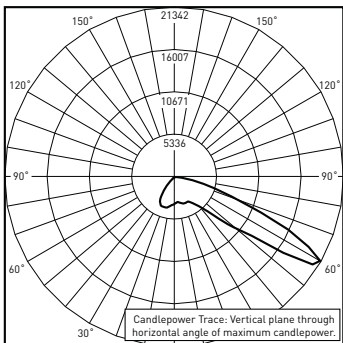
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OSQ-A-\*\*-2ME-B-30K-UL  
Initial Delivered Lumens: 10,381



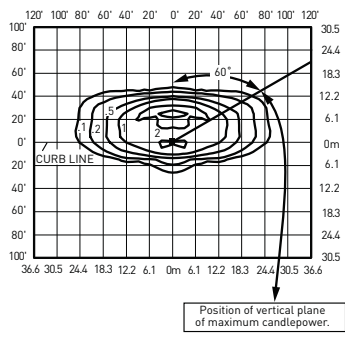
OSQ-A-\*\*-2ME-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 11,424  
Initial FC at grade

Type II Medium Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,738	B2 U0 G2	11,424	B2 U0 G2	9,350	B2 U0 G2	11,648	B2 U0 G2
K	16,022	B3 U0 G3	16,959	B3 U0 G3	14,000	B3 U0 G2	17,291	B3 U0 G3
Z	6,481	B2 U0 G1	6,896	B2 U0 G1	5,750	B1 U0 G1	7,031	B2 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



CESTL Test Report #: PL07700-001A  
OSQ-A-\*\*-2ME-U-57K-UL w/OSQ-BLSLF  
Initial Delivered Lumens: 22,822



OSQ-A-\*\*-2ME-B-40K-UL w/OSQ-BLSMF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 8,779  
Initial FC at grade

Type II Medium w/BLS Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
B	8,251	B2 U0 G2	8,779	B2 U0 G2	7,200	B1 U0 G1	8,950	B2 U0 G2
K	12,312	B2 U0 G2	13,032	B2 U0 G2	10,750	B2 U0 G2	13,286	B2 U0 G2
Z	4,980	B1 U0 G1	5,299	B1 U0 G1	4,420	B1 U0 G1	5,402	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

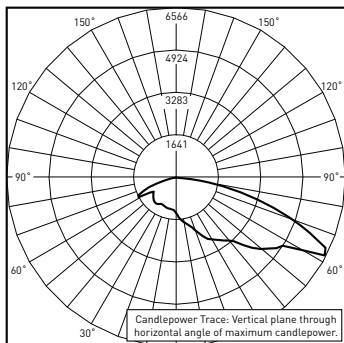


OSQ™ LED Area/Flood Luminaire – Medium

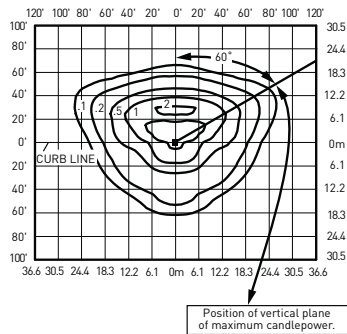
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**3ME**



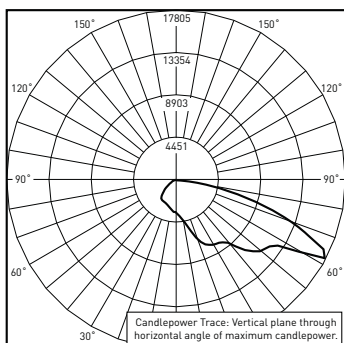
**RESTL Test Report #:** PL08876-001A  
**OSQ-A-\*\*-3ME-B-30K-UL**  
**Initial Delivered Lumens:** 10,421



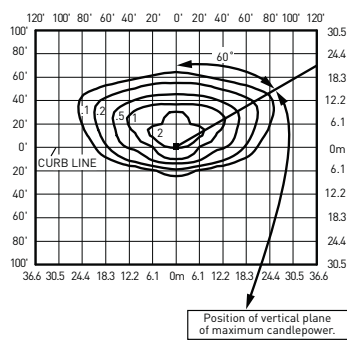
**OSQ-A-\*\*-3ME-B-40K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 11,424  
 Initial FC at grade

Type III Medium Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,738	B3 U0 G3	11,424	B3 U0 G3	9,350	B2 U0 G2	11,648	B3 U0 G3
K	16,022	B3 U0 G3	16,959	B3 U0 G3	14,000	B3 U0 G3	17,291	B3 U0 G3
Z	6,481	B2 U0 G2	6,896	B2 U0 G2	5,750	B2 U0 G2	7,031	B2 U0 G2

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



**CESTL Test Report #:** PL07699-001A  
**OSQ-A-\*\*-3ME-U-57K-UL w/OSQ-BLSLF**  
**Initial Delivered Lumens:** 23,601



**OSQ-A-\*\*-3ME-B-40K-UL w/OSQ-BLSMF**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 9,019  
 Initial FC at grade

Type III Medium w/BLS Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	8,477	B1 U0 G2	9,019	B1 U0 G2	7,400	B1 U0 G2	9,196	B1 U0 G2
K	12,649	B2 U0 G2	13,389	B2 U0 G2	11,050	B2 U0 G2	13,650	B2 U0 G2
Z	5,117	B1 U0 G1	5,444	B1 U0 G1	4,540	B1 U0 G1	5,551	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

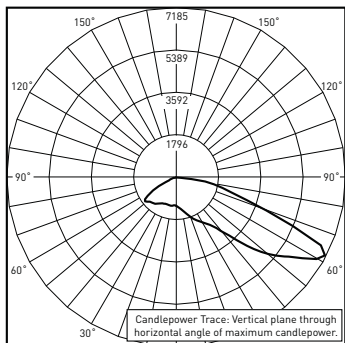


OSQ™ LED Area/Flood Luminaire – Medium

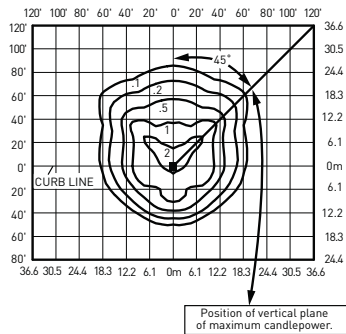
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**4ME**



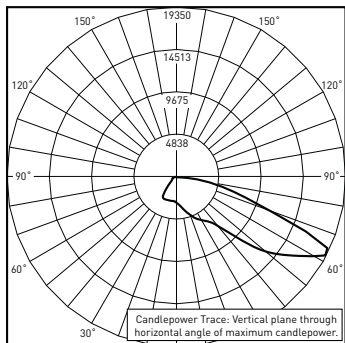
RESTL Test Report #: PL08878-001A  
OSQ-A-\*\*-4ME-B-30K-UL  
Initial Delivered Lumens: 10,230



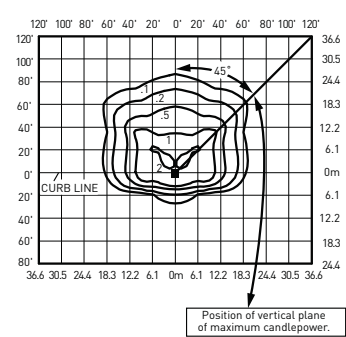
OSQ-A-\*\*-4ME-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 11,424  
Initial FC at grade

Type IV Medium Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,738	B2 U0 G2	11,424	B2 U0 G2	9,350	B2 U0 G2	11,648	B2 U0 G2
K	16,022	B3 U0 G3	16,959	B3 U0 G3	14,000	B3 U0 G3	17,291	B3 U0 G3
Z	6,481	B2 U0 G2	6,896	B2 U0 G2	5,750	B2 U0 G1	7,031	B2 U0 G2

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



CESTL Test Report #: PL07692-001A  
OSQ-A-\*\*-4ME-U-57K-UL w/OSQ-BLSLF  
Initial Delivered Lumens: 22,793



OSQ-A-\*\*-4ME-B-40K-UL w/OSQ-BLSMF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 8,779  
Initial FC at grade

Type IV Medium w/BLS Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	8,251	B1 U0 G2	8,779	B1 U0 G2	7,200	B1 U0 G2	8,950	B1 U0 G2
K	12,312	B2 U0 G2	13,032	B2 U0 G2	10,750	B2 U0 G2	13,286	B2 U0 G2
Z	4,980	B1 U0 G1	5,299	B1 U0 G1	4,420	B1 U0 G1	5,402	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

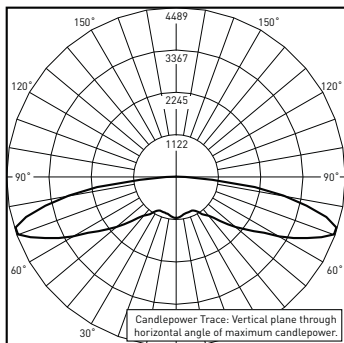


## OSQ™ LED Area/Flood Luminaire – Medium

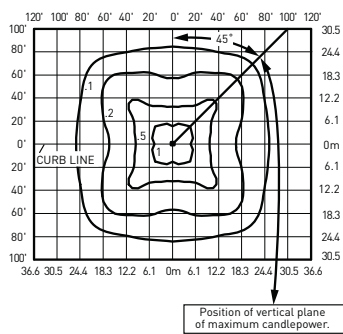
### Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

#### 5ME



RESTL Test Report #: PL08534-001B  
OSQ-A-\*\*-5ME-B-40K-UL  
Initial Delivered Lumens: 10,519

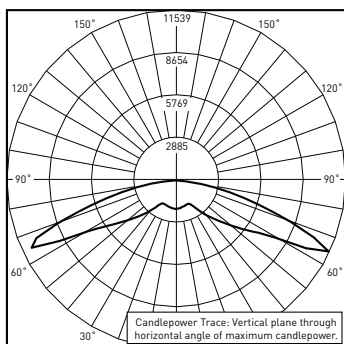


OSQ-A-\*\*-5ME-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 10,867  
Initial FC at grade

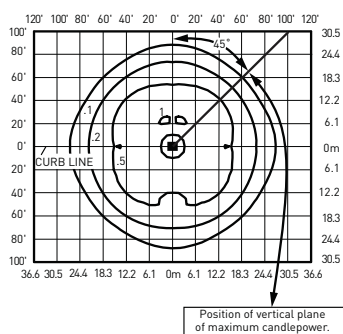
Type V Medium Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,232	B4 U0 G3	10,867	B4 U0 G3	10,000	B4 U0 G3	11,056	B4 U0 G3
K	15,063	B4 U0 G4	15,999	B4 U0 G4	14,925	B4 U0 G4	16,277	B4 U0 G4
Z	5,257	B3 U0 G3	6,086	B3 U0 G3	6,175	B3 U0 G3	6,192	B3 U0 G3

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

#### 5SH



CESTL Test Report #: PL10754-001A  
OSQ-A-\*\*-5SH-U-40K-UL  
Initial Delivered Lumens: 25,679



OSQ-A-\*\*-5SH-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 11,478  
Initial FC at grade

Type V Short Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,806	B4 U0 G2	11,478	B4 U0 G2	10,575	B4 U0 G2	11,678	B4 U0 G2
K	15,909	B4 U0 G3	16,897	B4 U0 G3	15,800	B4 U0 G3	17,191	B4 U0 G3
Z	5,552	B3 U0 G1	6,428	B3 U0 G2	6,525	B3 U0 G2	6,539	B3 U0 G2

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



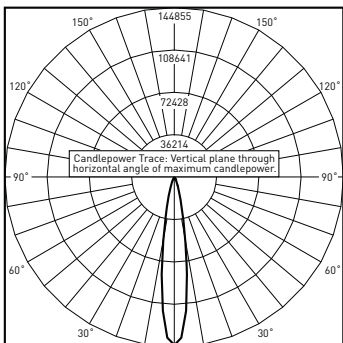


OSQ™ LED Area/Flood Luminaire – Medium

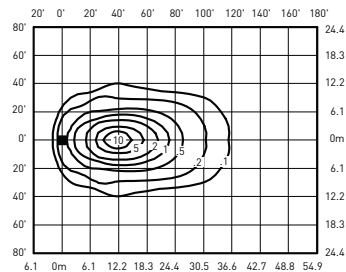
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**15D**



CESTL Test Report #: PL07689-001A  
OSQ-A\*\*-15D-U-30K-UL  
Initial Delivered Lumens: 23,254



OSQ-A\*\*-15D-B-40K-UL  
Mounting Height: 25' [7.6m] A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

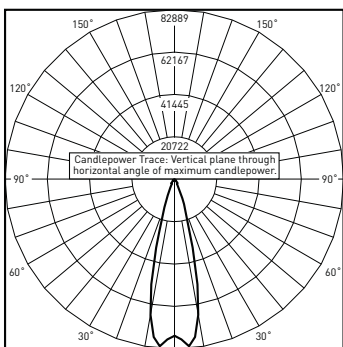
**15° Flood Distribution**

Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539

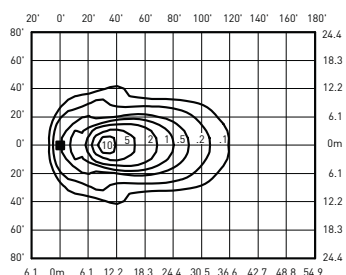
\* Initial delivered lumens at 25°C [77°F]. Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

**25D**



CESTL Test Report #: PL07696-001A  
OSQ-A\*\*-25D-U-30K-UL  
Initial Delivered Lumens: 23,265



OSQ-A\*\*-25D-B-40K-UL  
Mounting Height: 25' [7.6m] A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

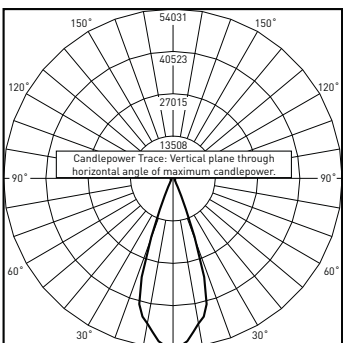
**25° Flood Distribution**

Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539

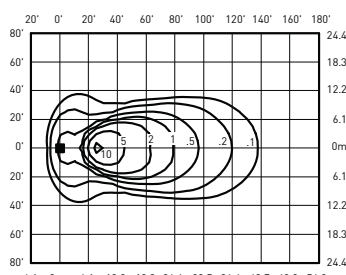
\* Initial delivered lumens at 25°C [77°F]. Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

**40D**



CESTL Test Report #: PL07697-001A  
OSQ-A\*\*-40D-U-30K-UL  
Initial Delivered Lumens: 22,943



OSQ-A\*\*-40D-B-40K-UL  
Mounting Height: 25' [7.6m] A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

**40° Flood Distribution**

Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90 CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539

\* Initial delivered lumens at 25°C [77°F]. Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

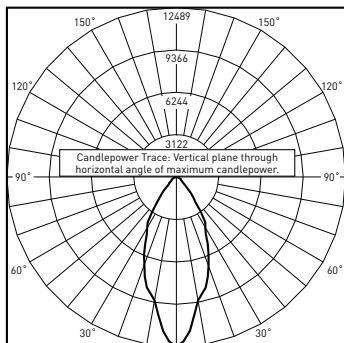


## OSQ™ LED Area/Flood Luminaire – Medium

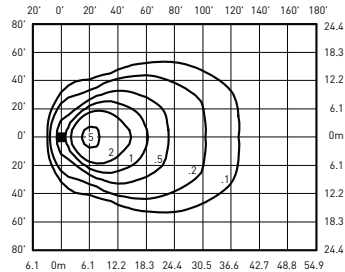
### Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult:  
<http://lighting.cree.com/products/outdoor/area/osq-series>

#### 60D



CESTL Test Report #: PL08100-001B  
 OSQ-A-\*\*-60D-B-30K-UL  
 Initial Delivered Lumens: 10,079



OSQ-A-\*\*-60D-B-40K-UL  
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
 Initial Delivered Lumens: 11,478  
 Initial FC at grade

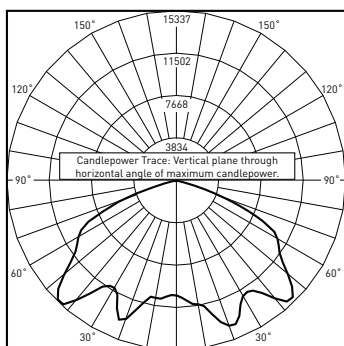
#### 60° Flood Distribution

Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90 CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539

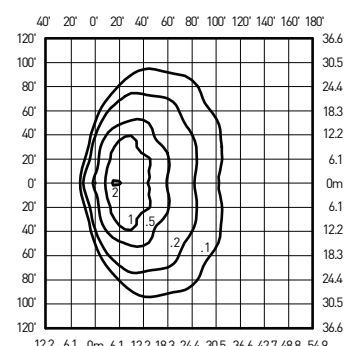
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:  
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

#### WSN



CESTL Test Report #: PL07695-001A  
 OSQ-A-\*\*-WSN-U-30K-UL  
 Initial Delivered Lumens: 23,116



OSQ-A-\*\*-WSN-B-40K-UL  
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
 Initial Delivered Lumens: 11,478  
 Initial FC at grade

#### Wide Sign Distribution







Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90 CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539










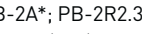






\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:  
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

OSQ™ LED Area/Flood Luminaire – Medium

**Luminaire EPA**

Fixed Arm Mount – OSQ-DA Weight: 28.9 lbs. (13.1kg)					
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
					
0.74	1.48	1.19	1.93	1.63	2.38

Adjustable Arm Mount – OSQ-B-AA Weight: 28.4 lbs. (12.9kg)							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
<b>Tenon Configuration (0°-80° Tilt);</b> If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*; PD-2A4(90); PT-2(90)	PB-3A*; PD-3A4(90); PT-3(90)	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375; PD-4A4(90); PT-4(90)
<b>0° Tilt</b>							
0.74	1.48	1.19	1.93	1.63	3.33	4.66	2.38
<b>10° Tilt</b>							
0.75	1.48	1.49	2.23	2.15	4.22	5.84	2.98
<b>20° Tilt</b>							
1.12	1.48	1.86	2.60	2.85	5.31	7.32	3.72
<b>30° Tilt</b>							
1.46	1.48	2.20	2.94	3.56	6.34	8.68	4.40
<b>45° Tilt</b>							
1.96	1.96	2.69	3.43	4.54	7.83	10.68	5.38
<b>60° Tilt</b>							
2.33	2.33	3.07	3.81	5.11	8.94	12.16	6.14
<b>70° Tilt</b>							
2.49	2.49	3.23	3.97	5.11	9.43	12.80	6.46
<b>80° Tilt</b>							
2.58	2.58	3.32	4.06	5.11	9.71	13.16	6.64
<b>Tenon Configuration (90° Tilt);</b> If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*	PB-3A*	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375
<b>90° Tilt</b>							
2.61	2.61	4.44	6.05	5.11	9.79	13.28	10.39

\* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")



**Tenon EPA**

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

\* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

Tenons and Brackets* (must specify color)	
<p><b>Square Internal Mount Vertical Tenons (Steel)</b>                      - Mounts to 3-6" (76-152mm) square aluminum or steel poles                      PB-1A* – Single                      PB-4A*(90) – 90° Quad                      PB-2A* – 180° Twin                  PB-4A*(180) – 180° Quad                      PB-3A* – 180° Triple</p> <p><b>Square Internal Mount Horizontal Tenons (Aluminum)</b>                      - Mounts to 4" (102mm) square aluminum or steel poles                      PD-2A4(90) – 90° Twin              PD-3A4(90) – 90° Triple                      PD-2A4(180) – 180° Twin          PD-4A4(90) – 90° Quad</p> <p><b>Wall Mount Brackets</b>                      - Mounts to wall or roof                      WM-2 – Horizontal for OSQ-B-AA mount                      WM-4 – L-Shape for OSQ-B-AA mount                      WM-DM – Plate for OSQ-DA mount</p>	<p><b>Round External Mount Vertical Tenons (Steel)</b>                      - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons                      PB-2R2.375 – Twin                      PB-4R2.375 – Quad                      PB-3R2.375 – Triple</p> <p><b>Round External Mount Horizontal Tenons (Aluminum)</b>                      - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons                      - Mounts to square pole with PB-1A* tenon                      PT-1 – Single (Vertical)              PT-3(90) – 90° Triple                      PT-2(90) – 90° Twin                  PT-3(120) – 120° Triple                      PT-2(180) – 180° Twin              PT-4(90) – 90° Quad</p> <p><b>Mid-Pole Bracket</b>                      - Mounts to square pole                      PW-1A3** – Single                      PW-2A3** – Double</p> <p><b>Ground Mount Post</b>                      - For ground-mounted flood luminaires                      PGM-1 – for OSQ-B-AA mount</p>

‡ Refer to the [Bracket and Tenons spec sheet](#) for more details

**Direct Mount Configurations**

Compatibility with OSQ-DA Direct Mount Bracket					
Input Power Designator	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
<b>3" Square</b>					
B, K & Z	N/A	✓	N/A	N/A	N/A
<b>3" Round</b>					
B, K & Z	N/A	✓	N/A	N/A	N/A
<b>4" Square</b>					
B, K & Z	✓	✓	✓	N/A	✓
<b>4" Round</b>					
B, K & Z	✓	✓	✓	✓	✓
<b>5" Square</b>					
B, K & Z	✓	✓	✓	N/A	✓
<b>5" Round</b>					
B, K & Z	✓	✓	✓	✓	✓
<b>6" Square</b>					
B, K & Z	✓	✓	✓	N/A	✓
<b>6" Round</b>					
B, K & Z	✓	✓	✓	✓	✓



**Field Adjustable Output (Q9/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:**

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

**Q Option Power & Lumen Data – Designator B**

Q Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values						Optics Qualified on DLC QPL	
			Asymmetric	5ME	5SH & Floods	2ME w/ BLS	3ME w/ BLS	4ME w/BLS	Standard	Premium
Q9 (Full Power)	30K (70 CRI)	86	10,738	10,232	10,806	8,251	8,477	8,251	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		11,424	10,867	11,478	8,779	9,019	8,779	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		9,350	10,000	10,575	7,200	7,400	7,200	TBD	TBD
	57K (70 CRI)		11,648	11,056	11,678	8,950	9,196	8,950	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q6	30K (70 CRI)	77	9,449	9,004	9,509	7,261	7,460	7,261	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		10,053	9,563	10,101	7,726	7,937	7,726	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		8,350	8,950	9,450	6,425	6,600	6,425	TBD	TBD
	57K (70 CRI)		10,250	9,729	10,277	7,876	8,092	7,876	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q5	30K (70 CRI)	72	8,913	8,492	8,969	6,848	7,036	6,848	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		9,482	9,020	9,527	7,287	7,486	7,287	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		7,525	8,050	8,525	5,775	5,950	5,775	TBD	TBD
	57K (70 CRI)		9,668	9,176	9,693	7,429	7,633	7,429	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q4	30K (70 CRI)	62	7,731	7,367	7,780	5,941	6,103	5,941	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		8,225	7,824	8,264	6,321	6,494	6,321	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		6,575	7,025	7,425	5,050	5,175	5,050	TBD	TBD
	57K (70 CRI)		8,387	7,960	8,408	6,444	6,621	6,444	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q3	30K (70 CRI)	53	6,550	6,241	6,592	5,033	5,171	5,033	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		6,969	6,629	7,002	5,355	5,502	5,355	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		5,575	5,975	6,325	4,290	4,410	4,290	TBD	TBD
	57K (70 CRI)		7,105	6,744	7,124	5,460	5,610	5,460	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q2	30K (70 CRI)	45	5,476	5,218	5,511	4,208	4,323	4,208	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		5,826	5,542	5,854	4,477	4,600	4,477	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		4,550	4,890	5,175	3,500	3,590	3,500	TBD	TBD
	57K (70 CRI)		5,940	5,639	5,956	4,565	4,690	4,565	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q1	30K (70 CRI)	34	4,188	3,990	4,214	3,218	3,306	3,218	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		4,455	4,238	4,476	3,424	3,517	3,424	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		3,500	3,770	3,980	2,690	2,760	2,690	TBD	TBD
	57K (70 CRI)		4,543	4,312	4,554	3,491	3,586	3,491	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN



**Field Adjustable Output (Q9/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:**

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

**Q Option Power & Lumen Data – Designator K**

Q Option Setting	CCT/CRI	System Watts	Lumen Values						Optics Qualified on DLC QPL	
			120-480V	Asymmetric	5ME	5SH & Floods	2ME w/BLS	3ME w/BLS	4ME w/BLS	Standard
Q9 (Full Power)	30K (70 CRI)	130	16,022	15,063	15,909	12,312	12,649	12,312	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		16,959	15,999	16,897	13,032	13,389	13,032	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		14,000	14,925	15,800	10,750	11,050	10,750	TBD	TBD
	57K (70 CRI)		17,291	16,277	17,191	13,286	13,650	13,286	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q6	30K (70 CRI)	117	14,099	13,255	14,000	10,835	11,131	10,835	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		14,924	14,079	14,869	11,468	11,782	11,468	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		12,500	13,350	14,100	9,600	9,875	9,600	TBD	TBD
	57K (70 CRI)		15,216	14,324	15,128	11,692	12,012	11,692	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q5	30K (70 CRI)	110	13,298	12,502	13,204	10,219	10,499	10,219	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		14,076	13,279	14,025	10,817	11,113	10,817	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		11,250	12,050	12,725	8,650	8,900	8,650	TBD	TBD
	57K (70 CRI)		14,352	13,510	14,269	11,027	11,330	11,027	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q4	30K (70 CRI)	93	11,536	10,845	11,454	8,865	9,107	8,865	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		12,210	11,519	12,166	9,383	9,640	9,383	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		9,825	10,525	11,100	7,550	7,750	7,550	TBD	TBD
	57K (70 CRI)		12,450	11,719	12,378	9,566	9,828	9,566	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q3	30K (70 CRI)	80	9,773	9,188	9,704	7,510	7,716	7,510	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		10,345	9,759	10,307	7,950	8,167	7,950	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		8,350	8,950	9,475	6,425	6,600	6,425	TBD	TBD
	57K (70 CRI)		10,548	9,929	10,487	8,104	8,327	8,104	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q2	30K (70 CRI)	67	8,171	7,682	8,114	6,279	6,451	6,279	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		8,649	8,159	8,617	6,646	6,828	6,646	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		6,825	7,325	7,725	5,250	5,375	5,250	TBD	TBD
	57K (70 CRI)		8,818	8,301	8,767	6,776	6,962	6,776	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q1	30K (70 CRI)	51	6,249	5,875	6,205	4,802	4,933	4,802	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		6,614	6,240	6,590	5,082	5,222	5,082	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		5,250	5,650	5,975	4,030	4,150	4,030	TBD	TBD
	57K (70 CRI)		6,743	6,348	6,704	5,182	5,324	5,182	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN



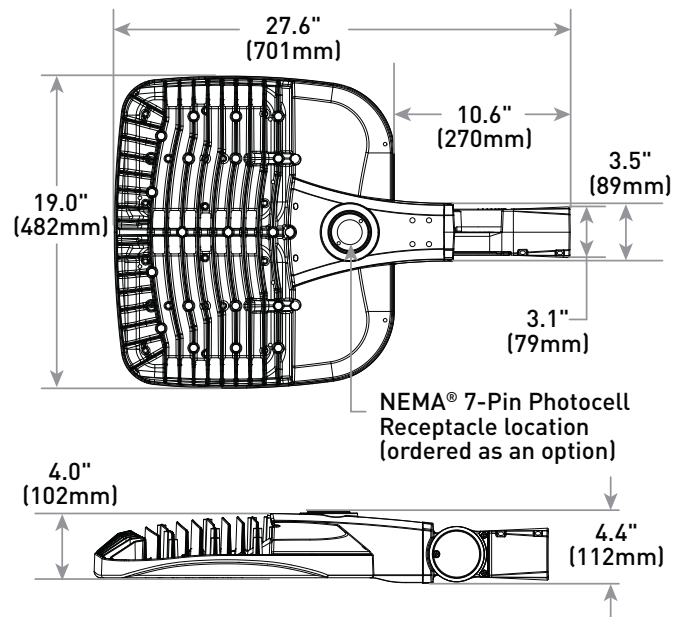
OSQ™ LED Area/Flood Luminaire – Medium

AA Mount

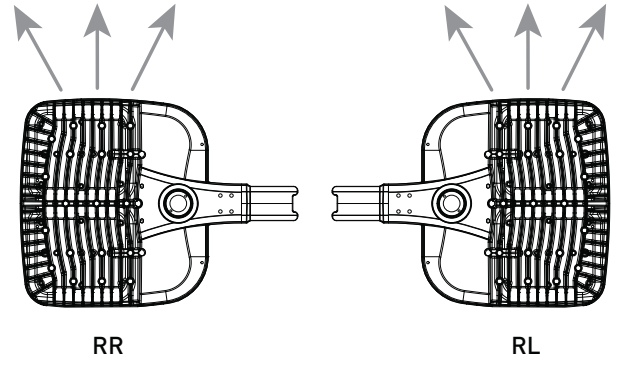


Weight

28.4 lbs. (12.9kg)



RR/RL Configuration



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# OSQ Series

OSQ™ LED Area/Flood Luminaire – Medium

Harris Teeter  
Head 3

## Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. The 'B' Input power designator is a suitable upgrade for HID applications up to 250 Watt, and the 'K' Input power designator is a suitable upgrade for HID applications up to 400 Watt.

**Applications:** Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

## Performance Summary

NanoOptic® Precision Delivery Grid™ optic

Assembled in the U.S.A. of U.S. and imported parts

**Initial Delivered Lumens:** Up to 17,291

**Efficacy:** Up to 136 LPW

**CRI:** Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)

**CCT:** 3000K, 4000K, 5000K, 5700K

**Limited Warranty†:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

† See <http://lighting.cree.com/warranty> for warranty terms

## Accessories

Field-Installed	
<b>Backlight Shield</b> OSQ-BLSMF – Front facing optics OSQ-BLSMR – Rotated optics	<b>Hand-Held Remote</b> XA-SENSREM – For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required  <b>Bird Spikes</b> OSQ-MED-BRDSPK

## Ordering Information

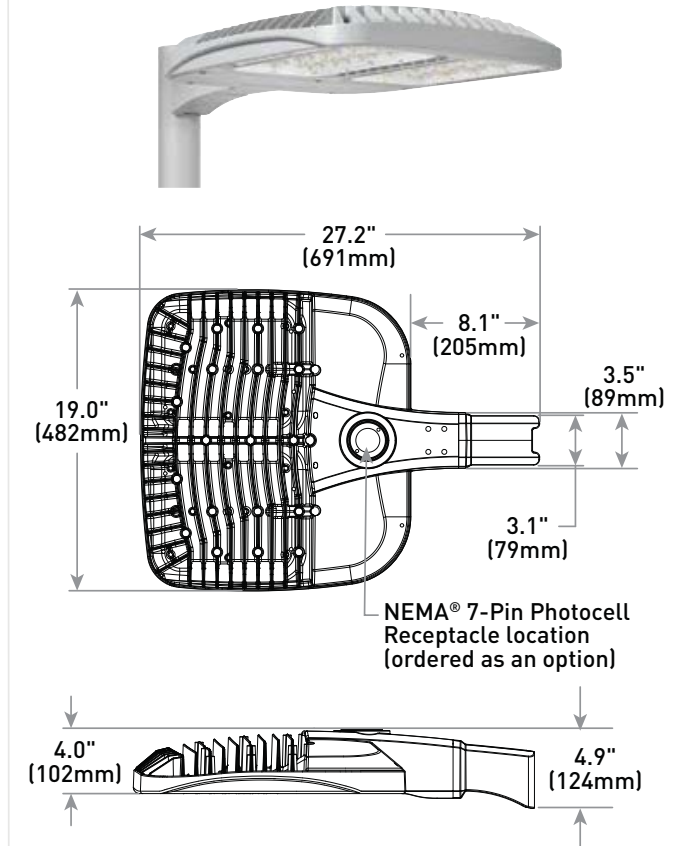
Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-B-AASV + **Luminaire:** OSQ-A-NM-2ME-B-40K-UL-SV

Mount (Luminaire must be ordered separately)*					
<b>OSQ-</b>					
<b>OSQ-B-AA</b> Adjustable Arm <b>OSQ-DA</b> Direct Arm	<b>Color Options:</b> <table border="0"> <tr> <td><b>SV</b> Silver</td> <td><b>BZ</b> Bronze</td> </tr> <tr> <td><b>BK</b> Black</td> <td><b>WH</b> White</td> </tr> </table>	<b>SV</b> Silver	<b>BZ</b> Bronze	<b>BK</b> Black	<b>WH</b> White
<b>SV</b> Silver	<b>BZ</b> Bronze				
<b>BK</b> Black	<b>WH</b> White				

\* Reference EPA and pole configuration suitability data beginning on page 9

## DA Mount



Weight
28.9 lbs. (13.1kg)

Luminaire (Mount must be ordered separately)																							
OSQ	A	NM																					
Product	Version	Mounting	Optic	Input Power Designator	CCT	Voltage	Color Options	Options															
OSQ	A	NM No Mount	<b>Asymmetric</b> <table border="0"> <tr> <td><b>2ME*</b> Type II Medium</td> <td><b>4ME*</b> Type IV Medium</td> </tr> <tr> <td><b>3ME*</b> Type III Medium</td> <td></td> </tr> </table> <b>Symmetric</b> <table border="0"> <tr> <td><b>5ME</b> Type V Medium</td> <td><b>25D</b> 25° Flood</td> </tr> <tr> <td><b>40D</b> Type V Short</td> <td><b>40° Flood</b></td> </tr> <tr> <td><b>60D</b> Type V Short</td> <td><b>60° Flood</b></td> </tr> <tr> <td><b>WSN</b> Wide Sign</td> <td></td> </tr> <tr> <td><b>15D</b> 15° Flood</td> <td></td> </tr> </table>	<b>2ME*</b> Type II Medium	<b>4ME*</b> Type IV Medium	<b>3ME*</b> Type III Medium		<b>5ME</b> Type V Medium	<b>25D</b> 25° Flood	<b>40D</b> Type V Short	<b>40° Flood</b>	<b>60D</b> Type V Short	<b>60° Flood</b>	<b>WSN</b> Wide Sign		<b>15D</b> 15° Flood		<b>B</b> 86W  <b>K</b> 130W  <b>Z</b> 53W	<b>30K</b> 3000K, 70 CRI  <b>40K</b> 4000K, 70 CRI  <b>50K</b> 5000K, 90 CRI  <b>57K</b> 5700K, 70 CRI	<b>UL</b> Universal 120-277V  <b>UH</b> Universal 347-480V – Available with B & K Input Power Designators only	<b>BK</b> Black  <b>BZ</b> Bronze  <b>SV</b> Silver  <b>WH</b> White	<b>F Fuse</b> – When code dictates fusing, use time delay fuse – Available for U.S. applications only  <b>PML Programmable Multi-Level, up to 40' Mounting Height</b> – Refer to <a href="#">PML spec sheet</a> for details – Intended for downlight applications at 0° tilt  <b>PML2 Programmable Multi-Level, 10-30' Mounting Height</b> – Refer to <a href="#">PML spec sheet</a> for details – Intended for downlight applications at 0° tilt  <b>Q9/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output</b> – Must select Q9, Q6, Q5, Q4, Q3, Q2, or Q1 – Offers full range adjustability – Refer to pages 11-12 for power and lumen values – Available with B & K Input Power Designators only – Not available with PML or PML2 options	<b>R NEMA® 7-Pin Photocell Receptacle</b> – 7-pin receptacle per ANSI C136.41 – Intended for downlight applications with maximum 45° tilt – Factory connected 0-10V dim leads – 18" (457mm) seven-conductor cord exits luminaire – Photocell or shorting cap by others  <b>RL Rotate Left</b> – LED and optic are rotated to the left – Refer to RR/RL configuration diagram on page 13 for optic directionality  <b>RR Rotate Right</b> – LED and optic are rotated to the right – Refer to RR/RL configuration diagram on page 13 for optic directionality
<b>2ME*</b> Type II Medium	<b>4ME*</b> Type IV Medium																						
<b>3ME*</b> Type III Medium																							
<b>5ME</b> Type V Medium	<b>25D</b> 25° Flood																						
<b>40D</b> Type V Short	<b>40° Flood</b>																						
<b>60D</b> Type V Short	<b>60° Flood</b>																						
<b>WSN</b> Wide Sign																							
<b>15D</b> 15° Flood																							

\* Available with Backlight Shield when ordered with field-installed accessory (see table above)



Rev. Date: V19 05/09/2019



US: [lighting.cree.com](http://lighting.cree.com)

T (800) 236-6800 F (262) 504-5415

Canada: [www.cree.com/canada](http://www.cree.com/canada)

T (800) 473-1234 F (800) 890-7507



## OSQ™ LED Area/Flood Luminaire – Medium

### Product Specifications

#### CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Convenient interlocking mounting method on direct arm mount. Mounting adaptor is rugged die cast aluminum and mounts to 3-6" (76-152mm) square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers
- Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenon
- Adjustable arm mount can be adjusted 180° in 2.5° increments
- Includes 18" (340mm) 18/5 or 16/5 cord exiting the luminaire. When ordered with R option, 18" (340mm) 18/7 or 16/7 cord is provided
- Designed for uplight and downlight applications
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available
- **Weight:** OSQ-DA: 28.9 lbs. (13.1kg); OSQ-B-AA: 28.4 lbs. (12.9kg)

#### ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to Dimming spec sheet for details
- **Maximum 10V Source Current:** 1.0mA

#### REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R option
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- DLC and DLC Premium qualified versions available with 70 CRI. Some exceptions apply. Please refer to <https://www.designlights.org/search/> for most current information
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT. Please refer to <http://darksky.org/fsa/fsa-products/> for most current information
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

Electrical Data*							
Input Power Designator	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
B	86	0.73	0.43	0.37	0.32	0.25	0.19
K	130	1.09	0.65	0.56	0.49	0.38	0.28
Z	53**	0.46	0.26	0.22	0.19	N/A	N/A

\* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/-10%

\*\* Available with UL voltage only

OSQ Series Ambient Adjusted Lumen Maintenance <sup>1</sup>						
Ambient	Optic	Initial LMF	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Projected <sup>2</sup> / Calculated <sup>3</sup> LMF	100K hr Projected <sup>2</sup> / Calculated <sup>3</sup> LMF
5°C (41°F)	Asymmetric	1.04	1.02	1.01	1.00 <sup>3</sup>	0.99 <sup>3</sup>
	Symmetric	1.05	1.04	1.03	1.03 <sup>2</sup>	1.02 <sup>2</sup>
10°C (50°F)	Asymmetric	1.03	1.01	1.00	0.99 <sup>3</sup>	0.98 <sup>3</sup>
	Symmetric	1.04	1.03	1.02	1.01 <sup>2</sup>	1.00 <sup>2</sup>
15°C (59°F)	Asymmetric	1.02	1.00	0.99	0.98 <sup>3</sup>	0.97 <sup>3</sup>
	Symmetric	1.02	1.02	1.01	1.00 <sup>2</sup>	0.99 <sup>2</sup>
20°C (68°F)	Asymmetric	1.01	0.99	0.98	0.97 <sup>3</sup>	0.96 <sup>3</sup>
	Symmetric	1.01	1.01	1.00	0.99 <sup>2</sup>	0.98 <sup>2</sup>
25°C (77°F)	Asymmetric	1.00	0.98	0.97	0.96 <sup>3</sup>	0.95 <sup>3</sup>
	Symmetric	1.00	0.99	0.98	0.98 <sup>2</sup>	0.97 <sup>2</sup>

<sup>1</sup> Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

<sup>2</sup> In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip

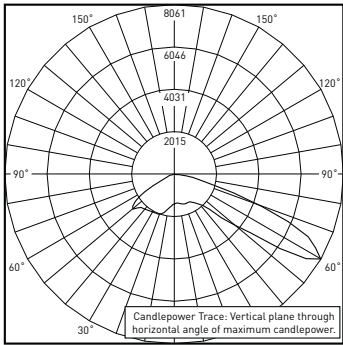
<sup>3</sup> In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip

OSQ™ LED Area/Flood Luminaire – Medium

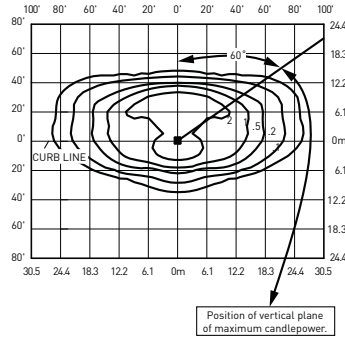
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**2ME**



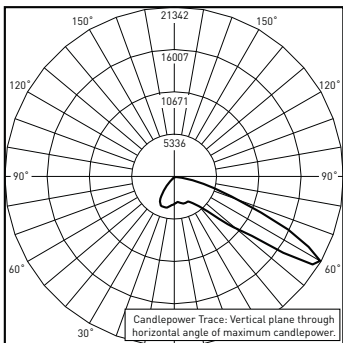
RESTL Test Report #: PL08877-001A  
OSQ-A-\*\*-2ME-B-30K-UL  
Initial Delivered Lumens: 10,381



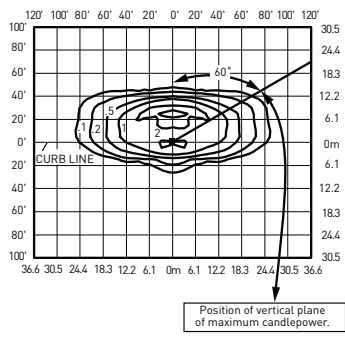
OSQ-A-\*\*-2ME-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 11,424  
Initial FC at grade

Type II Medium Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,738	B2 U0 G2	11,424	B2 U0 G2	9,350	B2 U0 G2	11,648	B2 U0 G2
K	16,022	B3 U0 G3	16,959	B3 U0 G3	14,000	B3 U0 G2	17,291	B3 U0 G3
Z	6,481	B2 U0 G1	6,896	B2 U0 G1	5,750	B1 U0 G1	7,031	B2 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



CESTL Test Report #: PL07700-001A  
OSQ-A-\*\*-2ME-U-57K-UL w/OSQ-BLSLF  
Initial Delivered Lumens: 22,822



OSQ-A-\*\*-2ME-B-40K-UL w/OSQ-BLSMF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 8,779  
Initial FC at grade

Type II Medium w/BLS Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
B	8,251	B2 U0 G2	8,779	B2 U0 G2	7,200	B1 U0 G1	8,950	B2 U0 G2
K	12,312	B2 U0 G2	13,032	B2 U0 G2	10,750	B2 U0 G2	13,286	B2 U0 G2
Z	4,980	B1 U0 G1	5,299	B1 U0 G1	4,420	B1 U0 G1	5,402	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

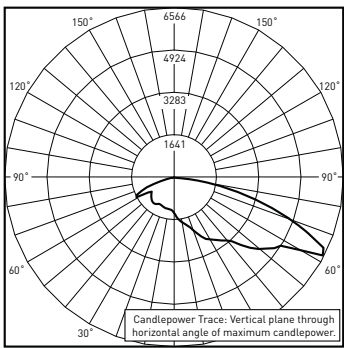


OSQ™ LED Area/Flood Luminaire – Medium

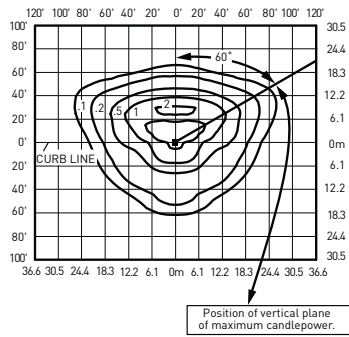
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**3ME**



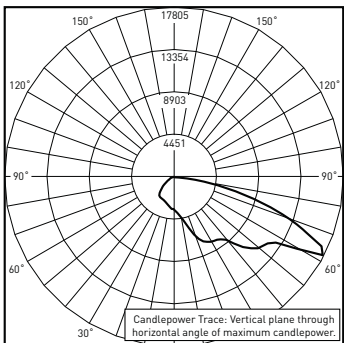
**RESTL Test Report #:** PL08876-001A  
**OSQ-A-\*\*-3ME-B-30K-UL**  
**Initial Delivered Lumens:** 10,421



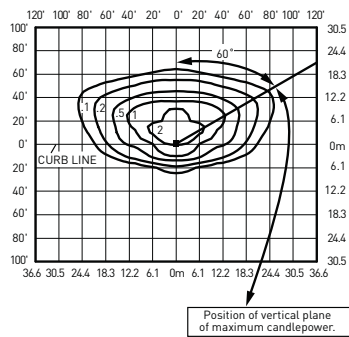
**OSQ-A-\*\*-3ME-B-40K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 11,424  
 Initial FC at grade

Type III Medium Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,738	B3 U0 G3	11,424	B3 U0 G3	9,350	B2 U0 G2	11,648	B3 U0 G3
K	16,022	B3 U0 G3	16,959	B3 U0 G3	14,000	B3 U0 G3	17,291	B3 U0 G3
Z	6,481	B2 U0 G2	6,896	B2 U0 G2	5,750	B2 U0 G2	7,031	B2 U0 G2

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



**CESTL Test Report #:** PL07699-001A  
**OSQ-A-\*\*-3ME-U-57K-UL w/OSQ-BLSLF**  
**Initial Delivered Lumens:** 23,601



**OSQ-A-\*\*-3ME-B-40K-UL w/OSQ-BLSMF**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 9,019  
 Initial FC at grade

Type III Medium w/BLS Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	8,477	B1 U0 G2	9,019	B1 U0 G2	7,400	B1 U0 G2	9,196	B1 U0 G2
K	12,649	B2 U0 G2	13,389	B2 U0 G2	11,050	B2 U0 G2	13,650	B2 U0 G2
Z	5,117	B1 U0 G1	5,444	B1 U0 G1	4,540	B1 U0 G1	5,551	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

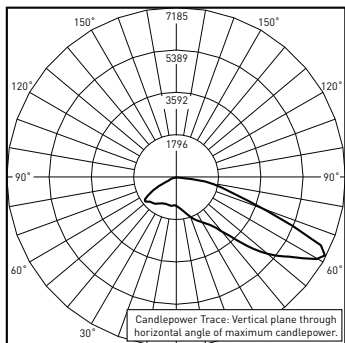


## OSQ™ LED Area/Flood Luminaire – Medium

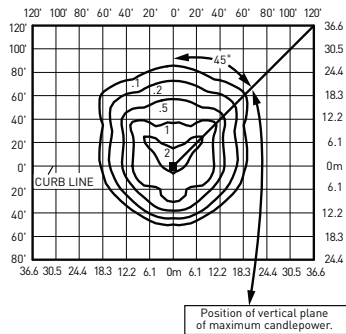
### Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

#### 4ME



RESTL Test Report #: PL08878-001A  
OSQ-A-\*\*-4ME-B-30K-UL  
Initial Delivered Lumens: 10,230

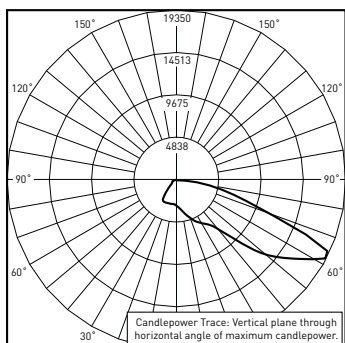


OSQ-A-\*\*-4ME-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 11,424  
Initial FC at grade

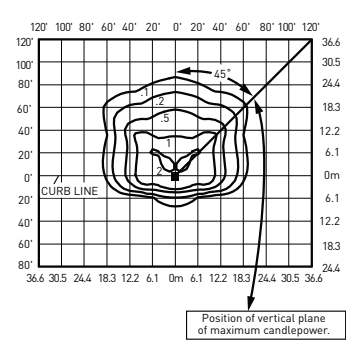
Type IV Medium Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,738	B2 U0 G2	11,424	B2 U0 G2	9,350	B2 U0 G2	11,648	B2 U0 G2
K	16,022	B3 U0 G3	16,959	B3 U0 G3	14,000	B3 U0 G3	17,291	B3 U0 G3
Z	6,481	B2 U0 G2	6,896	B2 U0 G2	5,750	B2 U0 G1	7,031	B2 U0 G2

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



CESTL Test Report #: PL07692-001A  
OSQ-A-\*\*-4ME-U-57K-UL w/OSQ-BLSLF  
Initial Delivered Lumens: 22,793



OSQ-A-\*\*-4ME-B-40K-UL w/OSQ-BLSMF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 8,779  
Initial FC at grade

Type IV Medium w/BLS Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	8,251	B1 U0 G2	8,779	B1 U0 G2	7,200	B1 U0 G2	8,950	B1 U0 G2
K	12,312	B2 U0 G2	13,032	B2 U0 G2	10,750	B2 U0 G2	13,286	B2 U0 G2
Z	4,980	B1 U0 G1	5,299	B1 U0 G1	4,420	B1 U0 G1	5,402	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

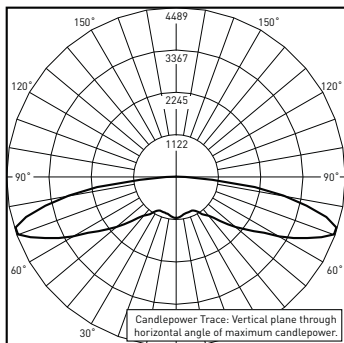


## OSQ™ LED Area/Flood Luminaire – Medium

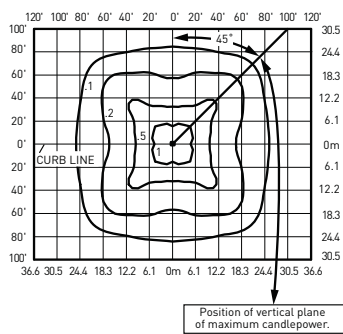
### Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

#### 5ME



RESTL Test Report #: PL08534-001B  
OSQ-A-\*\*-5ME-B-40K-UL  
Initial Delivered Lumens: 10,519



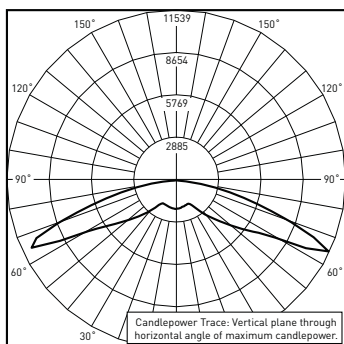
OSQ-A-\*\*-5ME-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 10,867  
Initial FC at grade

Type V Medium Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,232	B4 U0 G3	10,867	B4 U0 G3	10,000	B4 U0 G3	11,056	B4 U0 G3
K	15,063	B4 U0 G4	15,999	B4 U0 G4	14,925	B4 U0 G4	16,277	B4 U0 G4
Z	5,257	B3 U0 G3	6,086	B3 U0 G3	6,175	B3 U0 G3	6,192	B3 U0 G3

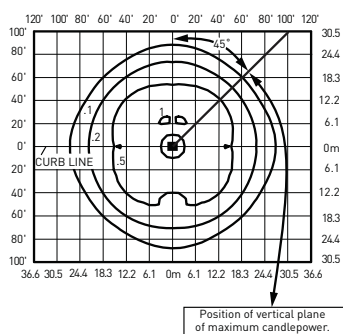
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

#### 5SH



CESTL Test Report #: PL10754-001A  
OSQ-A-\*\*-5SH-U-40K-UL  
Initial Delivered Lumens: 25,679



OSQ-A-\*\*-5SH-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 11,478  
Initial FC at grade

Type V Short Distribution								
Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,806	B4 U0 G2	11,478	B4 U0 G2	10,575	B4 U0 G2	11,678	B4 U0 G2
K	15,909	B4 U0 G3	16,897	B4 U0 G3	15,800	B4 U0 G3	17,191	B4 U0 G3
Z	5,552	B3 U0 G1	6,428	B3 U0 G2	6,525	B3 U0 G2	6,539	B3 U0 G2

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

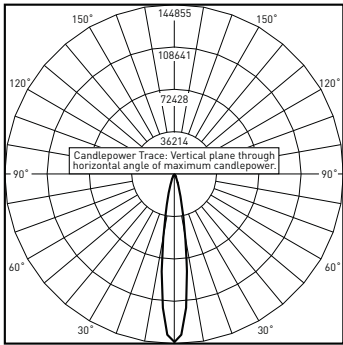


OSQ™ LED Area/Flood Luminaire – Medium

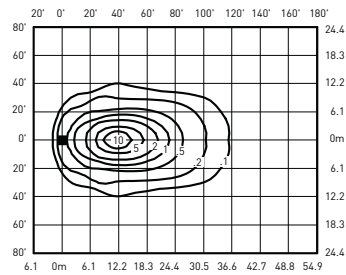
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**15D**



CESTL Test Report #: PL07689-001A  
OSQ-A\*\*-15D-U-30K-UL  
Initial Delivered Lumens: 23,254

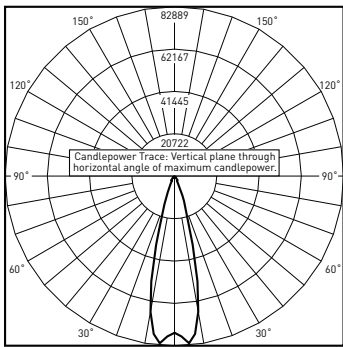


OSQ-A\*\*-15D-B-40K-UL  
Mounting Height: 25' [7.6m] A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

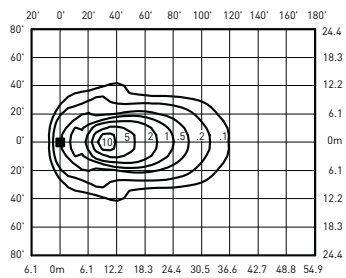
15° Flood Distribution				
Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
		Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539

\* Initial delivered lumens at 25°C [77°F]. Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

**25D**



CESTL Test Report #: PL07696-001A  
OSQ-A\*\*-25D-U-30K-UL  
Initial Delivered Lumens: 23,265

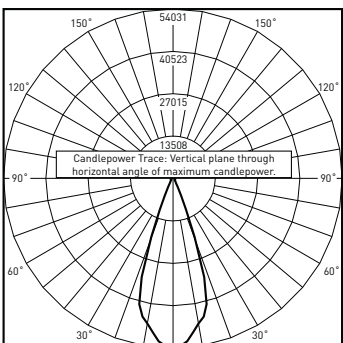


OSQ-A\*\*-25D-B-40K-UL  
Mounting Height: 25' [7.6m] A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

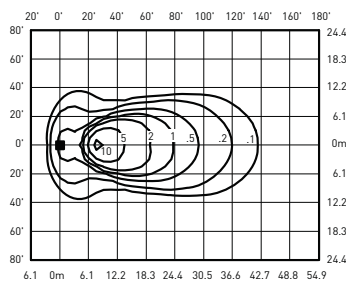
25° Flood Distribution				
Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
		Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539

\* Initial delivered lumens at 25°C [77°F]. Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

**40D**



CESTL Test Report #: PL07697-001A  
OSQ-A\*\*-40D-U-30K-UL  
Initial Delivered Lumens: 22,943



OSQ-A\*\*-40D-B-40K-UL  
Mounting Height: 25' [7.6m] A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

40° Flood Distribution				
Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90 CRI)	5700K (70 CRI)
		Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539

\* Initial delivered lumens at 25°C [77°F]. Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

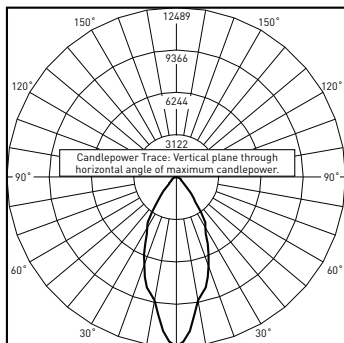


## OSQ™ LED Area/Flood Luminaire – Medium

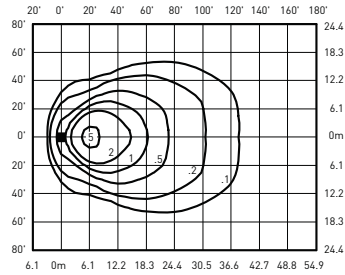
### Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult:  
<http://lighting.cree.com/products/outdoor/area/osq-series>

#### 60D



CESTL Test Report #: PL08100-001B  
 OSQ-A-\*\*-60D-B-30K-UL  
 Initial Delivered Lumens: 10,079



OSQ-A-\*\*-60D-B-40K-UL  
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
 Initial Delivered Lumens: 11,478  
 Initial FC at grade

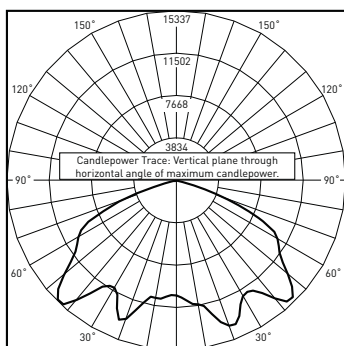
#### 60° Flood Distribution

Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90 CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539

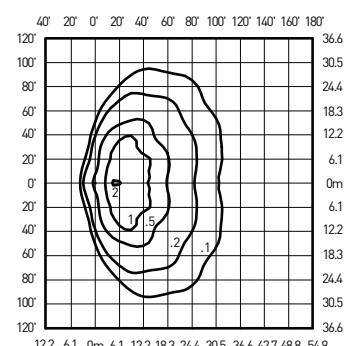
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:  
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

#### WSN



CESTL Test Report #: PL07695-001A  
 OSQ-A-\*\*-WSN-U-30K-UL  
 Initial Delivered Lumens: 23,116



OSQ-A-\*\*-WSN-B-40K-UL  
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
 Initial Delivered Lumens: 11,478  
 Initial FC at grade

#### Wide Sign Distribution







Input Power Designator	3000K (70 CRI)	4000K (70 CRI)	5000K (90 CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678
K	15,909	16,897	15,800	17,191
Z	5,552	6,428	6,525	6,539













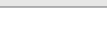
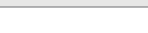
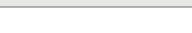
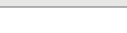
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:  
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

OSQ™ LED Area/Flood Luminaire – Medium

**Luminaire EPA**

Fixed Arm Mount – OSQ-DA Weight: 28.9 lbs. (13.1kg)					
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
					
0.74	1.48	1.19	1.93	1.63	2.38

Adjustable Arm Mount – OSQ-B-AA Weight: 28.4 lbs. (12.9kg)							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
<b>Tenon Configuration (0°-80° Tilt);</b> If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*; PD-2A4(90); PT-2(90)	PB-3A*; PD-3A4(90); PT-3(90)	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375; PD-4A4(90); PT-4(90)
<b>0° Tilt</b>							
0.74	1.48	1.19	1.93	1.63	3.33	4.66	2.38
<b>10° Tilt</b>							
0.75	1.48	1.49	2.23	2.15	4.22	5.84	2.98
<b>20° Tilt</b>							
1.12	1.48	1.86	2.60	2.85	5.31	7.32	3.72
<b>30° Tilt</b>							
1.46	1.48	2.20	2.94	3.56	6.34	8.68	4.40
<b>45° Tilt</b>							
1.96	1.96	2.69	3.43	4.54	7.83	10.68	5.38
<b>60° Tilt</b>							
2.33	2.33	3.07	3.81	5.11	8.94	12.16	6.14
<b>70° Tilt</b>							
2.49	2.49	3.23	3.97	5.11	9.43	12.80	6.46
<b>80° Tilt</b>							
2.58	2.58	3.32	4.06	5.11	9.71	13.16	6.64
<b>Tenon Configuration (90° Tilt);</b> If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*	PB-3A*	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375
<b>90° Tilt</b>							
2.61	2.61	4.44	6.05	5.11	9.79	13.28	10.39

\* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")





**Tenon EPA**

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

\* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

Tenons and Brackets* (must specify color)	
<p><b>Square Internal Mount Vertical Tenons (Steel)</b>                      - Mounts to 3-6" (76-152mm) square aluminum or steel poles                      PB-1A* – Single                      PB-4A*(90) – 90° Quad                      PB-2A* – 180° Twin                PB-4A*(180) – 180° Quad                      PB-3A* – 180° Triple</p> <p><b>Square Internal Mount Horizontal Tenons (Aluminum)</b>                      - Mounts to 4" (102mm) square aluminum or steel poles                      PD-2A4(90) – 90° Twin            PD-3A4(90) – 90° Triple                      PD-2A4(180) – 180° Twin        PD-4A4(90) – 90° Quad</p> <p><b>Wall Mount Brackets</b>                      - Mounts to wall or roof                      WM-2 – Horizontal for OSQ-B-AA mount                      WM-4 – L-Shape for OSQ-B-AA mount                      WM-DM – Plate for OSQ-DA mount</p>	<p><b>Round External Mount Vertical Tenons (Steel)</b>                      - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons                      PB-2R2.375 – Twin                      PB-4R2.375 – Quad                      PB-3R2.375 – Triple</p> <p><b>Round External Mount Horizontal Tenons (Aluminum)</b>                      - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons                      - Mounts to square pole with PB-1A* tenon                      PT-1 – Single (Vertical)              PT-3(90) – 90° Triple                      PT-2(90) – 90° Twin                  PT-3(120) – 120° Triple                      PT-2(180) – 180° Twin                PT-4(90) – 90° Quad</p> <p><b>Mid-Pole Bracket</b>                      - Mounts to square pole                      PW-1A3** – Single                      PW-2A3** – Double</p> <p><b>Ground Mount Post</b>                      - For ground-mounted flood luminaires                      PGM-1 – for OSQ-B-AA mount</p>

‡ Refer to the [Bracket and Tenons spec sheet](#) for more details

**Direct Mount Configurations**

Compatibility with OSQ-DA Direct Mount Bracket					
Input Power Designator	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
<b>3" Square</b>					
B, K & Z	N/A	✓	N/A	N/A	N/A
<b>3" Round</b>					
B, K & Z	N/A	✓	N/A	N/A	N/A
<b>4" Square</b>					
B, K & Z	✓	✓	✓	N/A	✓
<b>4" Round</b>					
B, K & Z	✓	✓	✓	✓	✓
<b>5" Square</b>					
B, K & Z	✓	✓	✓	N/A	✓
<b>5" Round</b>					
B, K & Z	✓	✓	✓	✓	✓
<b>6" Square</b>					
B, K & Z	✓	✓	✓	N/A	✓
<b>6" Round</b>					
B, K & Z	✓	✓	✓	✓	✓



**Field Adjustable Output (Q9/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:**

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

**Q Option Power & Lumen Data – Designator B**

Q Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values						Optics Qualified on DLC QPL	
			Asymmetric	5ME	5SH & Floods	2ME w/ BLS	3ME w/ BLS	4ME w/BLS	Standard	Premium
Q9 (Full Power)	30K (70 CRI)	86	10,738	10,232	10,806	8,251	8,477	8,251	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		11,424	10,867	11,478	8,779	9,019	8,779	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		9,350	10,000	10,575	7,200	7,400	7,200	TBD	TBD
	57K (70 CRI)		11,648	11,056	11,678	8,950	9,196	8,950	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q6	30K (70 CRI)	77	9,449	9,004	9,509	7,261	7,460	7,261	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		10,053	9,563	10,101	7,726	7,937	7,726	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		8,350	8,950	9,450	6,425	6,600	6,425	TBD	TBD
	57K (70 CRI)		10,250	9,729	10,277	7,876	8,092	7,876	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q5	30K (70 CRI)	72	8,913	8,492	8,969	6,848	7,036	6,848	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		9,482	9,020	9,527	7,287	7,486	7,287	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		7,525	8,050	8,525	5,775	5,950	5,775	TBD	TBD
	57K (70 CRI)		9,668	9,176	9,693	7,429	7,633	7,429	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q4	30K (70 CRI)	62	7,731	7,367	7,780	5,941	6,103	5,941	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		8,225	7,824	8,264	6,321	6,494	6,321	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		6,575	7,025	7,425	5,050	5,175	5,050	TBD	TBD
	57K (70 CRI)		8,387	7,960	8,408	6,444	6,621	6,444	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q3	30K (70 CRI)	53	6,550	6,241	6,592	5,033	5,171	5,033	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		6,969	6,629	7,002	5,355	5,502	5,355	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		5,575	5,975	6,325	4,290	4,410	4,290	TBD	TBD
	57K (70 CRI)		7,105	6,744	7,124	5,460	5,610	5,460	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q2	30K (70 CRI)	45	5,476	5,218	5,511	4,208	4,323	4,208	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		5,826	5,542	5,854	4,477	4,600	4,477	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		4,550	4,890	5,175	3,500	3,590	3,500	TBD	TBD
	57K (70 CRI)		5,940	5,639	5,956	4,565	4,690	4,565	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q1	30K (70 CRI)	34	4,188	3,990	4,214	3,218	3,306	3,218	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		4,455	4,238	4,476	3,424	3,517	3,424	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		3,500	3,770	3,980	2,690	2,760	2,690	TBD	TBD
	57K (70 CRI)		4,543	4,312	4,554	3,491	3,586	3,491	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN



**Field Adjustable Output (Q9/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:**

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

**Q Option Power & Lumen Data – Designator K**

Q Option Setting	CCT/CRI	System Watts	Lumen Values						Optics Qualified on DLC QPL	
			120-480V	Asymmetric	5ME	5SH & Floods	2ME w/BLS	3ME w/BLS	4ME w/BLS	Standard
Q9 (Full Power)	30K (70 CRI)	130	16,022	15,063	15,909	12,312	12,649	12,312	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		16,959	15,999	16,897	13,032	13,389	13,032	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		14,000	14,925	15,800	10,750	11,050	10,750	TBD	TBD
	57K (70 CRI)		17,291	16,277	17,191	13,286	13,650	13,286	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q6	30K (70 CRI)	117	14,099	13,255	14,000	10,835	11,131	10,835	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		14,924	14,079	14,869	11,468	11,782	11,468	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		12,500	13,350	14,100	9,600	9,875	9,600	TBD	TBD
	57K (70 CRI)		15,216	14,324	15,128	11,692	12,012	11,692	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q5	30K (70 CRI)	110	13,298	12,502	13,204	10,219	10,499	10,219	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		14,076	13,279	14,025	10,817	11,113	10,817	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		11,250	12,050	12,725	8,650	8,900	8,650	TBD	TBD
	57K (70 CRI)		14,352	13,510	14,269	11,027	11,330	11,027	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q4	30K (70 CRI)	93	11,536	10,845	11,454	8,865	9,107	8,865	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		12,210	11,519	12,166	9,383	9,640	9,383	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		9,825	10,525	11,100	7,550	7,750	7,550	TBD	TBD
	57K (70 CRI)		12,450	11,719	12,378	9,566	9,828	9,566	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q3	30K (70 CRI)	80	9,773	9,188	9,704	7,510	7,716	7,510	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		10,345	9,759	10,307	7,950	8,167	7,950	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		8,350	8,950	9,475	6,425	6,600	6,425	TBD	TBD
	57K (70 CRI)		10,548	9,929	10,487	8,104	8,327	8,104	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q2	30K (70 CRI)	67	8,171	7,682	8,114	6,279	6,451	6,279	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		8,649	8,159	8,617	6,646	6,828	6,646	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		6,825	7,325	7,725	5,250	5,375	5,250	TBD	TBD
	57K (70 CRI)		8,818	8,301	8,767	6,776	6,962	6,776	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q1	30K (70 CRI)	51	6,249	5,875	6,205	4,802	4,933	4,802	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K (70 CRI)		6,614	6,240	6,590	5,082	5,222	5,082	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	50K (90 CRI)		5,250	5,650	5,975	4,030	4,150	4,030	TBD	TBD
	57K (70 CRI)		6,743	6,348	6,704	5,182	5,324	5,182	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN



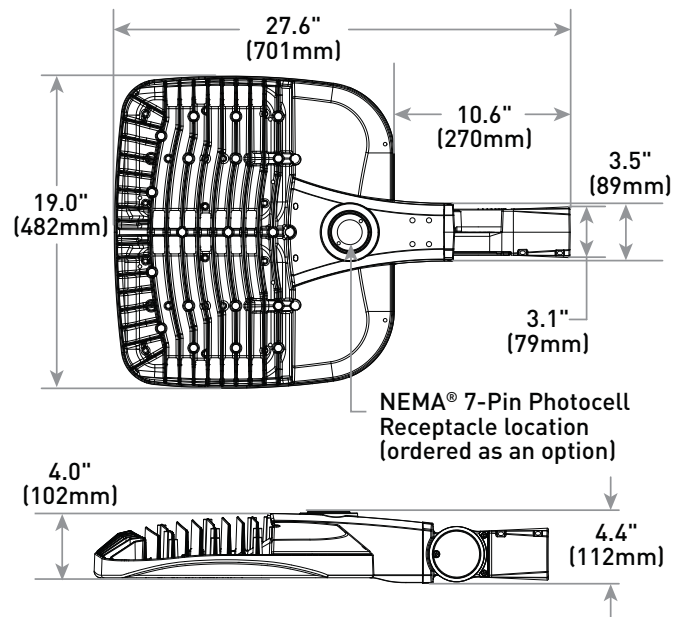
OSQ™ LED Area/Flood Luminaire – Medium

AA Mount

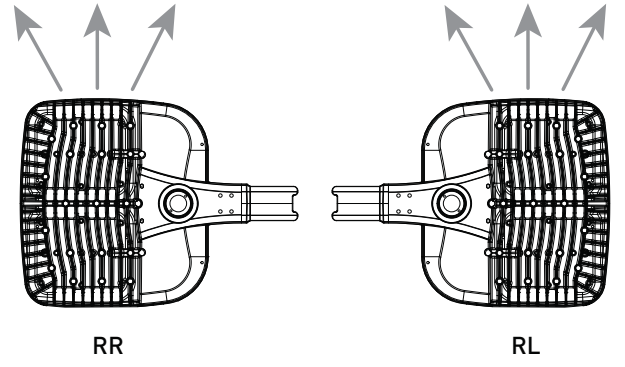


Weight

28.4 lbs. (12.9kg)



RR/RL Configuration



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## DESIGN TEAM/DRB COMMENT SHEET

*The comments below are staff recommendations to the Design Review Board (DRB)  
and do NOT constitute DRB approval or denial.*

PROJECT NAME: Harris Teeter Fuel Station

DRB#: DRB-000812-2020

DATE: 04/28/20 05/18/20

RECOMMENDATION: Approval  Approval with Conditions  Denial

RECOMMENDED CONDITIONS:

Staff recommends approval provided the applicant addressed the questions regarding the material of the exterior vending covers.

### ***APPLICATION MATERIAL***

DRB REQUIREMENTS	Complies Yes	No	Not Applicable	Comments or Conditions
Dimensioned Details and of Sections	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Provide a wall section of the kiosk.

### ***ARCHITECTURAL DESIGN***

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Utilizes natural materials and colors	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Provide a physical color board for Final DRB review.
Forms an details are sufficient to reduce the mass of the structure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	It appears sheet 2 of 5 "Roof Plan & Details" includes a ceiling plan. It needs more architectural articulation because the ceiling is such a large part of the site it should have some architectural detail to break that plane. Acceptable articulation is shown in the illustrations but needs to be shown in the drawings as well.
Utilities and equipment are concealed from view	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The plans label the Blue Rhino enclosure as a "Phoenix Brick Enclosure" but there is no detail for that structure. Does it match the dumpster enclosure?

				<p><del>If so label accordingly or provide detail.</del></p> <ol style="list-style-type: none"> <li>Does the Blue Rhino enclosure have a top / roof. (Staff assumes detail on right of sheet 43.1) If so what material.</li> <li>Is the exterior of the vending enclosure faux material, i.e. plastic or foam?</li> <li>How do the enclosures fit against the building with the brick water table?</li> </ol>
Decorative lighting is limited and low wattage and adds to the visual character	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<ol style="list-style-type: none"> <li><del>It appears the parking lot light levels exceed the LMO allowed average of 1.5 fe.</del></li> <li><del>The proposed light poles and fixtures should match the existing / proposed poles in the Harris Teeter parking lot.</del></li> </ol>
Accessory elements are design to coordinate with the primary structure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<ol style="list-style-type: none"> <li>Provide a detail of the “phoenix Brick Enclosure” in front of the kiosk under the canopy. It appears to be a free standing vending unit in the illustrations. <ol style="list-style-type: none"> <li>Does the freestanding vending enclosure have a top / roof. If so what material. (Staff assumes detail on right of sheet 43.1)</li> <li>Is the exterior of the vending enclosure faux material, i.e. plastic or foam?</li> </ol> </li> <li>Stainless steel “U” bollard is not in keeping with the Design Guide. Specify a nature blending color.</li> </ol>

**LANDSCAPE DESIGN**

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Proper spacing and location for plants to reach their mature size and natural shape while avoiding excessive or unnatural pruning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<del>Change the fakahatchee grass specification to <i>Tripsacum floridana</i> which is the dwarf. <i>Tripsacum dactyloides</i> (as specified) can grow 8'+ tall.</del>

**MISC COMMENTS/QUESTIONS**

<ol style="list-style-type: none"> <li>This application received DRB Conceptual Approval on January 14<sup>th</sup> 2020.</li> <li>The brick on the vending enclosures shall be brought up to the soffit height to match the brick bases for the canopy, per the DRB condition of Conceptual Approval. The vending enclosures are shown in the illustrations but not on the elevation drawings. Consider extending the roof overhang to include the vending bump-outs.</li> </ol>
---



Town of Hilton Head Island  
 Community Development Department  
 One Town Center Court  
 Hilton Head Island, SC 29928  
 Phone: 843-341-4757 Fax: 843-842-8908  
 www.hiltonheadislandsc.gov

<b>FOR OFFICIAL USE ONLY</b>	
Date Received:	_____
Accepted by:	_____
DRB #:	_____
Meeting Date:	_____

Applicant/Agent Name: JEFF CRAMER Company: DIVERSIFIED DESIGNS P.C.  
 Mailing Address: 11 JONES AVE. City: TYBEE ISLAND State: GA Zip: 31328  
 Telephone: (912) 412-3333 Fax: \_\_\_\_\_ E-mail: JDDESIGNS@BELLSOUTH-NET  
 Project Name: FERN JAMS MISH STYLE RESTAURANT Project Address: 8 OFFICE WAY  
 Parcel Number [PIN]: R 652 015 000 0354 0000  
 Zoning District: SEA ANE CIRCLE Overlay District(s): CORRIDOR OVERLAY

**CORRIDOR REVIEW, MAJOR  
 DESIGN REVIEW BOARD (DRB) SUBMITTAL REQUIREMENTS**

Digital Submissions may be accepted via e-mail by calling 843-341-4757.

Project Category:  
 Concept Approval – Proposed Development  Alteration/Addition  
 Final Approval – Proposed Development  iSign

Submittal Requirements for **All** projects:

Private Architectural Review Board (ARB) Notice of Action (if applicable): When a project is within the jurisdiction of an ARB, the applicant shall submit such ARB's written notice of action per LMO Section 16-2-103.I.4.b.iii.01. Submitting an application to the ARB to meet this requirement is the responsibility of the applicant.

Filing Fee: Concept Approval-Proposed Development \$175, Final Approval – Proposed Development \$175, Alterations/Additions \$100, Signs \$25; cash or check made payable to the Town of Hilton Head Island.

Additional Submittal Requirements:

**Concept Approval – Proposed Development**

- A survey (1"=30' minimum scale) of property lines, existing topography and the location of trees meeting the tree protection regulations of Sec. 16-6-104.C.2, and if applicable, location of bordering streets, marshes and beaches.
- A site analysis study to include specimen trees, access, significant topography, wetlands, buffers, setbacks, views, orientation and other site features that may influence design.
- A draft written narrative describing the design intent of the project, its goals and objectives and how it reflects the site analysis results.
- Context photographs of neighboring uses and architectural styles.
- Conceptual site plan (to scale) showing proposed location of new structures, parking areas and landscaping.
- Conceptual sketches of primary exterior elevations showing architectural character of the proposed development, materials, colors, shadow lines and landscaping.



**THE TOWN OF HILTON HEAD ISLAND  
DESIGN REVIEW BOARD – NOTICE OF ACTION**

---

**PROJECT NAME:** Fern Iams Restaurant **PROJECT #:** DRB-001930-2019  
**PROJECT ADDRESS:** 8 Office Way  
**CATEGORY:** New Development – Conceptual  
**ACTION DATE:** October 8, 2019 **NOTICE DATE:** October 15, 2019  
**APPLICANT/AGENT:** Jeff Cramer, Diversified Designs PC  
11 Jones Ave  
Tybee Island, GA 31328  
Email: ddesigns@bellsouth.net

---

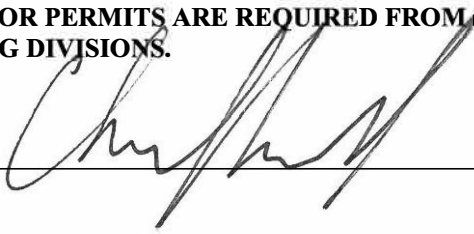
**On the above meeting date your Application received the following action:**

- APPROVED AS SUBMITTED**
- APPROVED WITH THE SPECIFIC CONDITIONS LISTED BELOW**
- DENIED**
- WITHDRAWN AT THE APPLICANTS REQUEST**

1. Colors shall be approved at Final.
2. Applicant is to provide complete color board with a suggested 12”x12” sample of red on hardy board.
3. Grading around the building shall not exceed 3’ max fill per the LMO.
4. Grading around the building, steps and ramps shall be shown on the drawings.
5. Provide more planting area between sidewalks and the building.
6. Provide a Landscape Plan at Final.
7. The dumpster shall be fully screened and fit in asphalt.
8. Provide adequate clearance and grading around existing trees, specifically the 23” pine at side patio.

**PURSUANT TO LMO 16-2-103-I.7, THIS APPROVAL WILL EXPIRE ONE YEAR FROM THE DATE OF THIS NOTICE UNLESS A DEVELOPMENT PLAN (SEE LMO 16-2-103.G) OR SMALL RESIDENTIAL DEVELOPMENT (SEE LMO 16-2-103.H) IS APPROVED OR, WHERE DEVELOPMENT PLAN REVIEW OR SMALL RESIDENTIAL DEVELOPMENT REVIEW IS NOT REQUIRED, THE APPROVED ACTIVITY IS COMPLETED. YOU HAVE THE RIGHT TO APPEAL THIS DECISION TO CIRCUIT COURT IN ACCORDANCE WITH LMO 16-2-103-I.4.c.ii.**

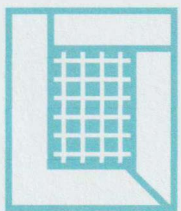
**NOTICE: APPROVAL BY THE DESIGN REVIEW BOARD MAY NOT CONSTITUTE AUTHORITY TO PROCEED. PLEASE CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT AT 843-341-4757 TO FIND OUT IF OTHER APPROVALS OR PERMITS ARE REQUIRED FROM THE DEVELOPMENT REVIEW AND ZONING, BUILDING, OR ENGINEERING DIVISIONS.**

BY:  \_\_\_\_\_, Urban Designer

# Live Outside



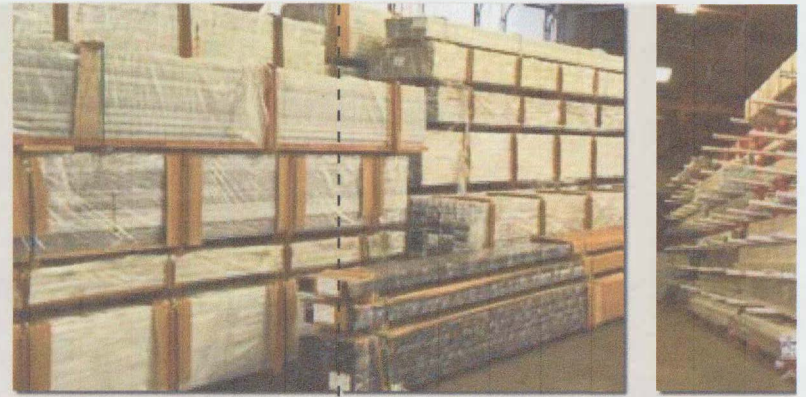
A Complete Line of Products for  
Patio and Pool Enclosures



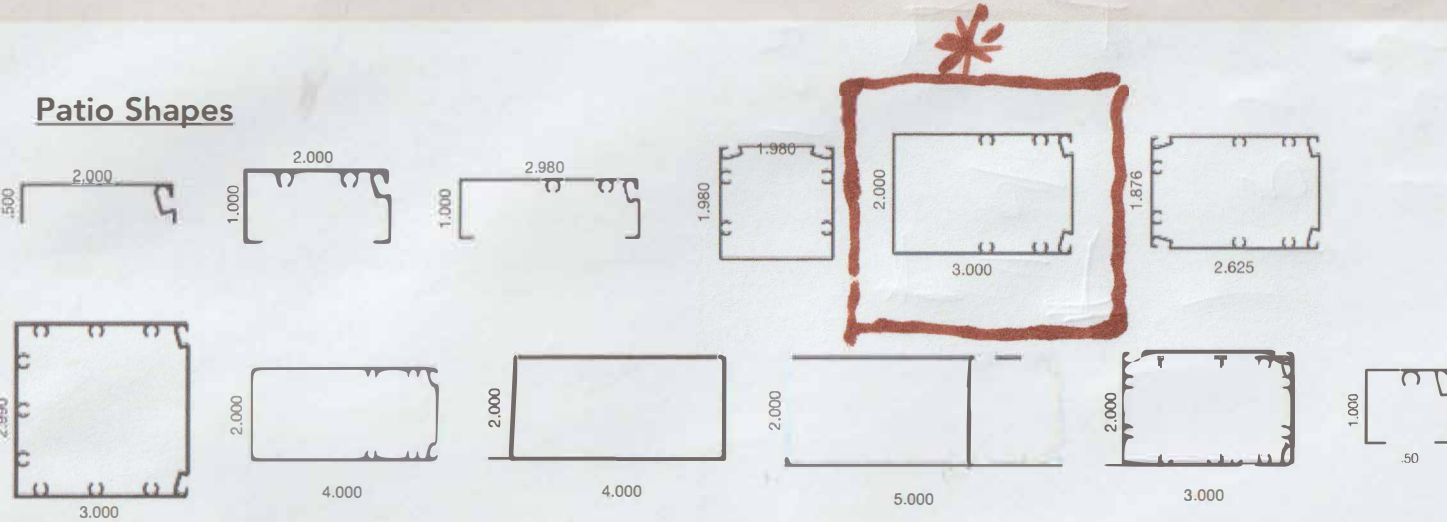
**LANSING**  
PATIO & POOL ENCLOSURES

# Extrusions

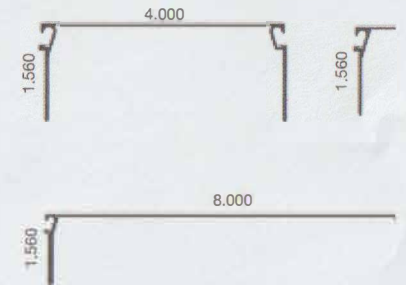
Lansing carries an expansive inventory so you can get the job done **quickly** and **on time**.



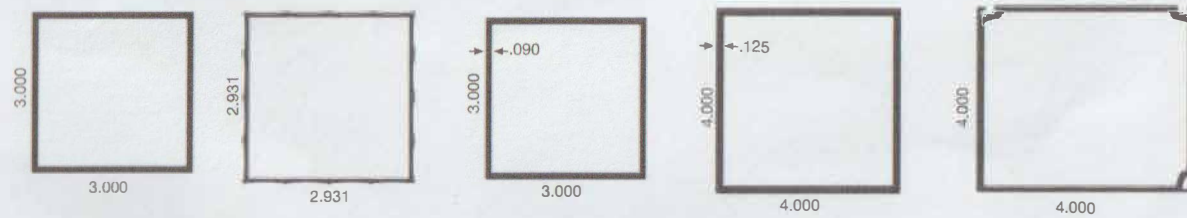
## Patio Shapes



## Self Mating Beams



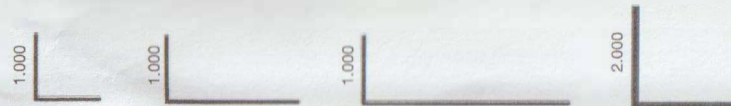
## Square Tubes



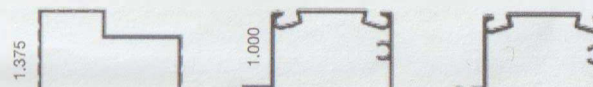
## Self Mating Snaps



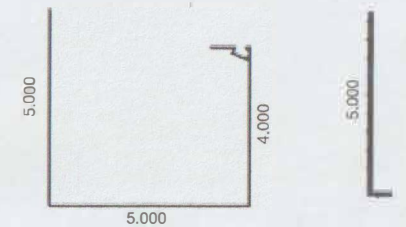
## Angles



## Door Jambs



## Super Gutters





# Clam Shell Awnings



Custom-made to your color and size specifications, our aluminum awnings are the practical choice for protecting doors and windows from the elements. Affordable and long-lasting, they feature adjustable side arms that can be folded down for shade protection. Our unique slat panel design includes a side valance and full 1" cross members for added strength.

- Reduce summer cooling costs
- No maintenance enamel finish
- Resistant to chalking and fading

## CREATE YOUR OWN LOOK

You can design your awnings in a solid color, select a base color and add accent stripes, or choose your own configuration. With such a wide variety of colors, the options are almost endless.

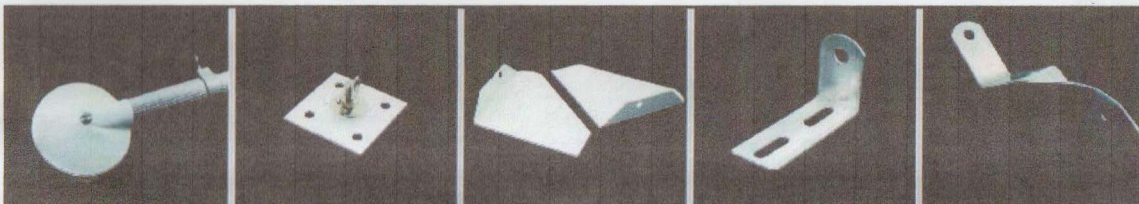
## 18 Colors to Choose From



*WILL PAINT TO MATCH GRAY MATTER*

\*Colors shown may vary slightly from actual material.

## AWNING COMPONENTS



# Patio & F

All your fa



Miami-D  
Excell  
Specia  
As str  
High p



True M  
Spe  
Full  
High



Uniq  
Spe  
Elir  
Eas  
UV s

Protect any



Nylo-T  
Spec  
High  
Neve  
A perfe



Or  
Ma





LUXE

Oriental  
Massage

943-949-8113



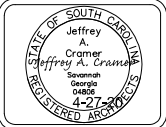












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REVISIONS

# FERN IAMS AMISH STYLE RESTAURANT

SITE DATA	
ZONING DISTRICT	SEA PINES CIRCLE
USE	SHOPPING CENTER
MAXIMUM DENSITY ( PER NET AREA)	10,000 G.F.A.
LOT AREA	21,282 SQ.FT. ( 0.489 ACRES)
MAXIMUM DENSITY	10,000 G.F.A PER ACRE = 4886 S.F.
PROPOSED DENSITY	4881 S.F.
TAX PARCEL I.D. No.	R552-015-000-0354-0000
F.E.M.A. FLOOD ZONE	A7 ( 14)
MAXIMUM IMPERVIOUS AREA	21,282 S.F.x60%=12,769 S.F.
MINIMUM PERVIOUS AREA 40%	8528 S.F.
PROPOSED PERVIOUS AREA	8,749 S.F.> 8528 S.F.
EXISTING PARKING SPACES	4
PARKING SPACES REQUIRED	S.F. / 335 = 14.3 SPACES
CROSS PARKING AGREEMENT	IN PLACE
MAXIMUM IMPERVIOUS AREA	21,282 S.F.x60%=12,769.2 S.F.
EXISTING PARKING AREA	4463 S.F.
WALKWAYS IMPERVIOUS AREA	816 S.F.
PROPOSED BUILDING FOOTPRINT	4881 S.F.
TOTAL IMPERVIOUS	10,160 S.F.<12,769.2 S.F.
NEW PERVIOUS PAVER	2170 S.F.

SHEET INDEX
CS ARCHITECTURAL COVER SHEET
C-1 SITE PLAN
C-2 AS-BUILT SITE PLAN
A-1 FLOOR PLAN
A-2 ELEVATIONS
A-3 ELEVATIONS
A-4 ROOF PLAN
LANDSCAPE PLAN
T-1 TREE PROTECTION PLAN

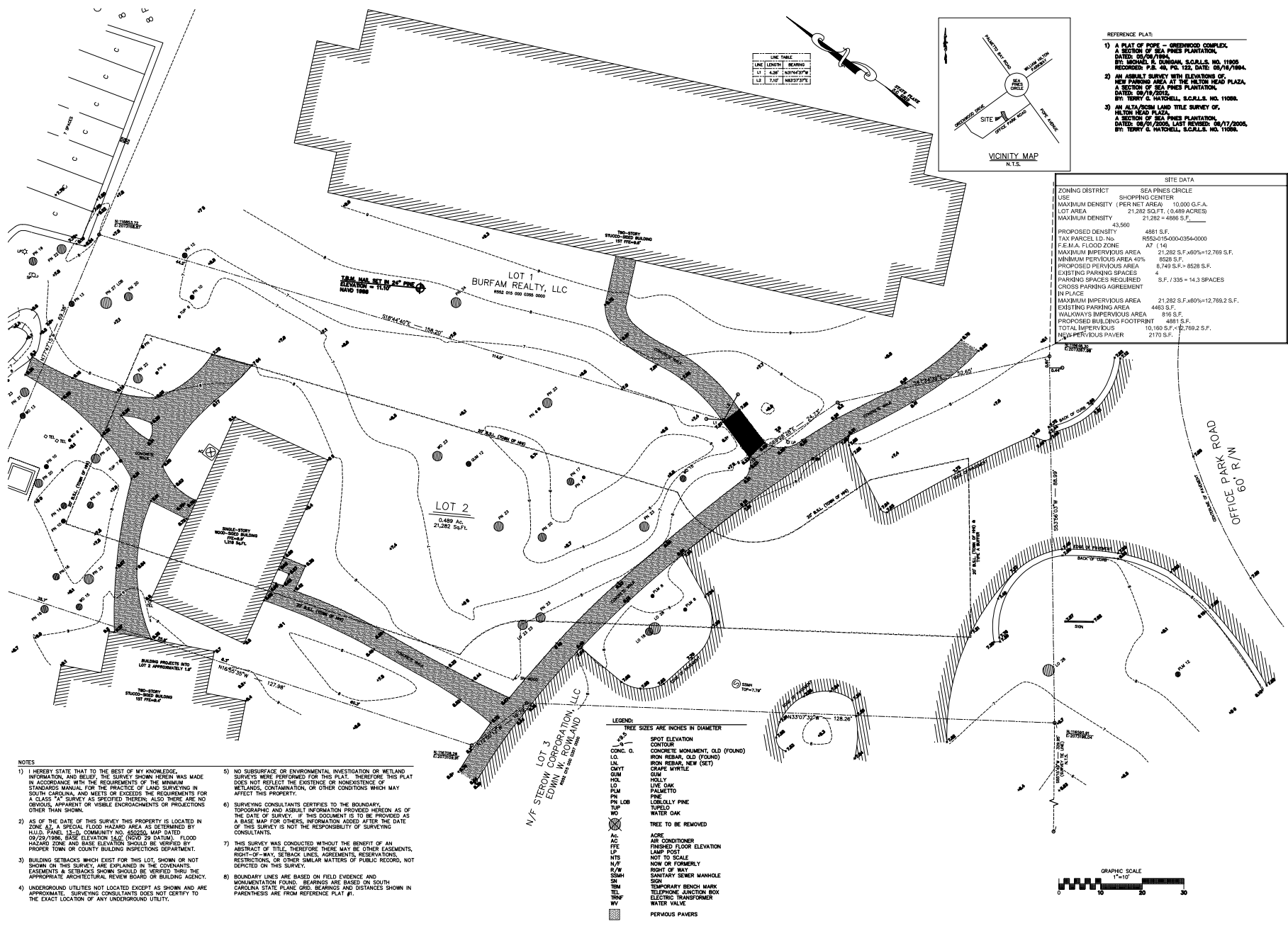
BUILDING CODES / DATA
2018 INTERNATIONAL BUILDING CODE W/ S.C. MODIFICATIONS
2017 NATIONAL ELECTRICAL CODE NFPA 70 W/ S.C. MODIFICATIONS
2018 INTERNATIONAL FUEL GAS CODE W/ S.C. MODIFICATIONS
2018 INTERNATIONAL PLUMBING CODE 2018 W/ S.C. MODIFICATIONS
2018 INTERNATIONAL MECHANICAL CODE 2018 W/ S.C. MODIFICATIONS
INTERNATIONAL ELECTRICAL BUILDING CODE 2018
2009 SOUTH CAROLINA ENERGY CONSERVATION CODE
2018 SOUTH CAROLINA FIRE CODE
ANSI A 117-1 STANDARD FOR ACCESSIBLE DESIGN

**DIVERSIFIED DESIGNS P.C.**  
 P.O. BOX 1387, 11 JONES AVE.  
 TYBEE ISLAND, GA 31328  
 (912)786-5946 (912)786-1125  
 (912)786-5944 (912)786-5943 FAX

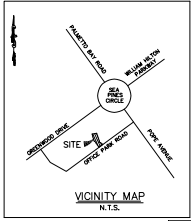
**A PROPOSED RESTAURANT @  
 #8 OFFICE WAY  
 HILTON HEAD ISLAND, SC**

DRAWN BY: JOEL MOSS
CHECKED BY:
DATE: 9/28/2018
SCALE: NONE
PROJECT# 00_000_00

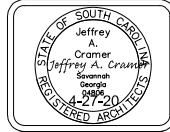
**PERMIT SET CS**



LINE	LENGTH	BEARING
L1	4.94'	S47°51'27"E
L2	7.20'	S82°37'37"E



- REFERENCE PLAT:
- 1) A PLAT OF POPE - GREENWOOD COMPLEX, A SECTION OF SEA PINES PLANTATION, DATED: 05/09/1994, BY MICHAEL C. BROWN, S.C.A.L.S. NO. 11005, RECORDED P.B. #8, PG. 122, DATE: 05/18/1994.
  - 2) AN ASSELT SURVEY WITH ELEVATIONS OF NEW PARKING AREA AT THE HILTON HEAD PLAZA, A SECTION OF SEA PINES PLANTATION, DATED: 05/15/2000, BY: TERRY C. HAYWELL, S.C.A.L.S. NO. 11009.
  - 3) AN ALTA PLANO LAND TITLE SURVEY OF HILTON HEAD PLAZA, A SECTION OF SEA PINES PLANTATION, DATED: 05/01/2000, LAST REVISED: 05/17/2000, BY: TERRY C. HAYWELL, S.C.A.L.S. NO. 11009.



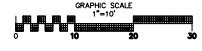
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REVISIONS

ZONING DISTRICT	SEA PINES CIRCLE
USE	SHOPPING CENTER
MAXIMUM DENSITY (PER NET AREA)	10,000 G.F.A.
LOT AREA	21,282 SQ.FT. (0.489 ACRES)
MAXIMUM DENSITY	21,282 = 4988 S.F.
PROPOSED DENSITY	43,560
TAX PARCEL I.D. NO.	R523-15-000-0354-0000
F.E.M.A. FLOOD ZONE	A7 (14)
MAXIMUM IMPERVIOUS AREA	21,202 S.F. 80% = 12,769 S.F.
MINIMUM PERVIOUS AREA 40%	8528 S.F.
PROPOSED PERVIOUS AREA	8,749 S.F. = 8528 S.F.
EXISTING PARKING SPACES	4
PARKING SPACES REQUIRED	S.F. / 335 = 14.3 SPACES
CROSS PARKING AGREEMENT	IN PLACE
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PROPOSED BUILDING FOOTPRINT	4881 S.F.
TOTAL IMPERVIOUS	10,160 S.F. = 12,769.2 S.F.
NEW IMPERVIOUS PAVER	2170 S.F.

- NOTES
- 1) I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY AS SPECIFIED THEREIN. ALSO THERE ARE NO OBVIOUS, APPARENT OR VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.
  - 2) AS OF THE DATE OF THIS SURVEY THIS PROPERTY IS LOCATED IN ZONE A2, A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY NOAA, PANEL 1523, COMMUNITY NO. 50020, MAP DATED 09/23/1996, BASE ELEVATION 14.0 (8000 29 DATUM). FLOOD HAZARD ZONE AND BASE ELEVATION SHOULD BE MONITORED BY PROPER TOWN OR COUNTY BUILDING INSPECTIONS DEPARTMENT.
  - 3) BUILDING SETBACKS WHICH EXIST FOR THIS LOT, SHOWN OR NOT SHOWN ON THIS SURVEY, ARE SUPPLIED BY THE COVENANTS, EASEMENTS & SETBACKS SHOWN SHOULD BE VERIFIED THRU THE APPROPRIATE ARCHITECTURAL REVIEW BOARD OR BUILDING AGENCY.
  - 4) UNDERGROUND UTILITIES NOT LOCATED EXCEPT AS SHOWN, AND ARE APPROXIMATE. SURVEYING CONSULTANTS DOES NOT CERTIFY TO THE EXACT LOCATION OF ANY UNDERGROUND UTILITY.
  - 5) NO SUBSURFACE OR ENVIRONMENTAL INVESTIGATION OR WETLAND SURVEYS WERE PERFORMED FOR THIS PLAT. THEREFORE THIS PLAT DOES NOT REFLECT THE EXISTENCE OR NONEXISTENCE OF WETLANDS, CONTAMINATION, OR OTHER CONDITIONS WHICH MAY AFFECT THIS PROPERTY.
  - 6) SURVEYING CONSULTANTS CERTIFIES TO THE BOUNDARY, TOPOGRAPHIC AND ASSELT INFORMATION PROVIDED HEREON AS OF THE DATE OF SURVEY. IF THIS DOCUMENT IS TO BE PROVIDED AS A BASE MAP FOR OTHER, INFORMATION ADDED AFTER THE DATE OF THIS SURVEY IS NOT THE RESPONSIBILITY OF SURVEYING CONSULTANTS.
  - 7) THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE. THEREFORE THERE MAY BE OTHER EASEMENTS, RESTRICTIONS, OR OTHER SIMILAR MATTERS OF PUBLIC RECORD, NOT DEPICTED ON THIS SURVEY.
  - 8) BOUNDARY LINES ARE BASED ON FIELD EVIDENCE AND MONUMENTATION FOUND. BEARINGS AND DISTANCES SHOWN IN PARENTHESES ARE FROM REFERENCE PLAT #1.

- LEGEND:
- TREE SIZES ARE INCHES IN DIAMETER
- CONC. CL.
  - LOC.
  - CONV
  - DEM
  - HOL
  - LOC
  - PLM
  - PH
  - LOB
  - TUP
  - AC
  - FTE
  - LP
  - N/F
  - R/W
  - SM
  - SM
  - TM
  - TEL
  - TRNF
  - WV
- SPOT ELEVATION  
CONTOUR  
CONCRETE MONUMENT, OLD (FOUND)  
IRON REBAR, OLD (FOUND)  
IRON REBAR, NEW (SET)  
GRAPE MYRTLE  
SEW  
HOLY  
LIVE OAK  
PALMETTO  
LOBLOLLY PINE  
SUNDEL  
WATER OAK  
TREE TO BE REMOVED
- ACRE  
AIR CONDITIONER  
FINISHED FLOOR ELEVATION  
LAMP POST  
NOT TO SCALE  
NOW OR FORMERLY  
RIGHT OF WAY  
SANITARY SEWER MANHOLE  
SIGN  
TEMPORARY BENCH MARK  
TELEPHONE JUNCTION BOX  
ELECTRIC TRANSFORMER  
WATER VALVE

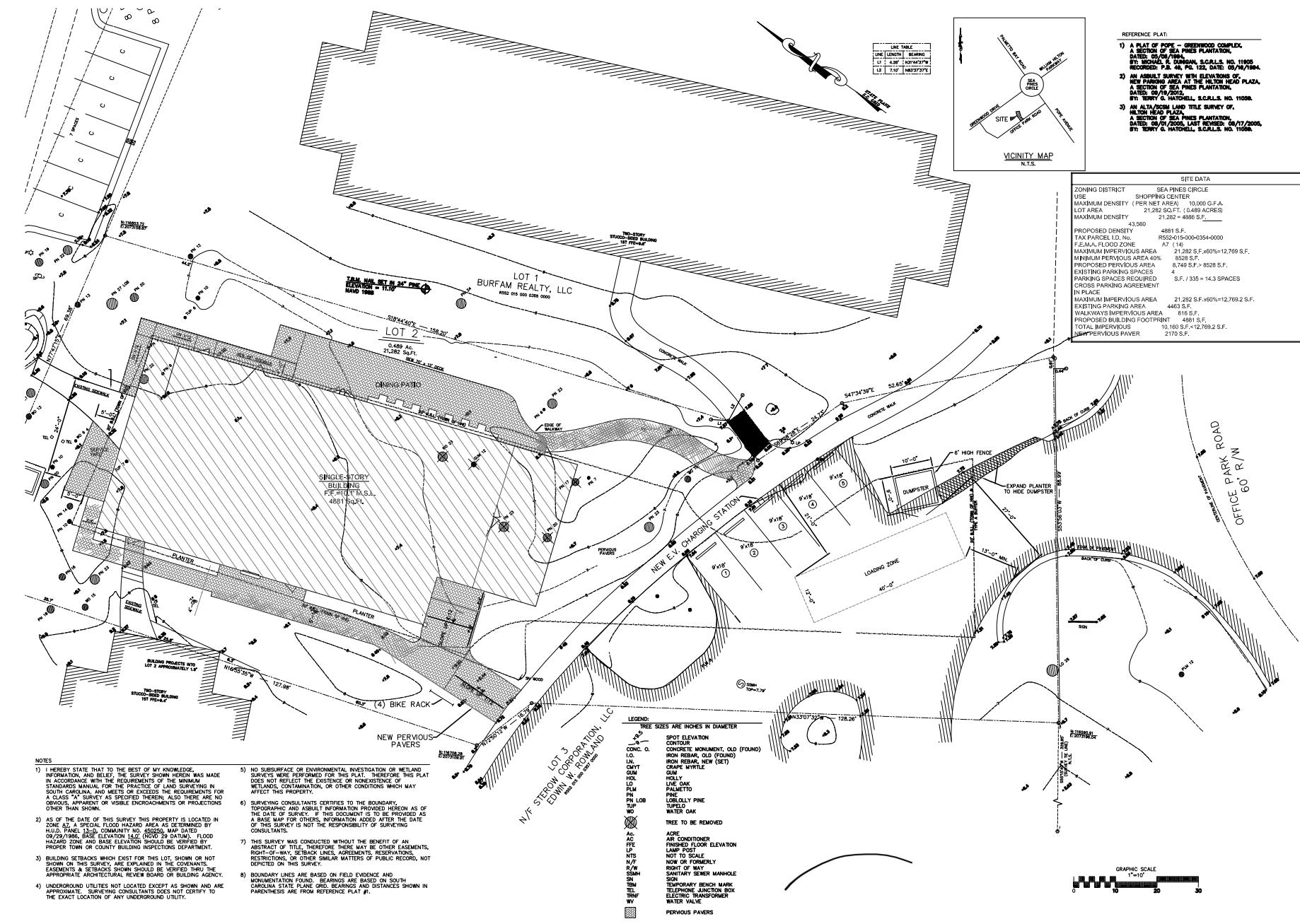


**DIVERSIFIED DESIGNS P.C.**  
P.O. BOX 1937, 11 PINES AVE.,  
TREE BEACH, SOUTH CAROLINA 29168  
EMAIL: design@diversified.com  
(912)786-7945 (803)988-1125  
(912)786-7944 (912)786-7943 FAX

**AS-BUILT PLAN**  
**A PROPOSED RESTAURANT @**  
**#8 OFFICE WAY**  
**HILTON HEAD ISLAND, SC**

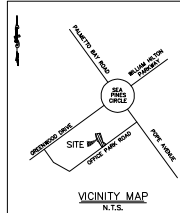
DRAWN BY: JOEL NOSS  
CHECKED BY:  
DATE: 9/28/2018  
SCALE: NOTED  
PROJECT# 00\_000\_00

**PERMIT**  
**SET C-2**



LINE TABLE

LINE	LENGTH	BEARING
L1	2.80'	S04°12'37"E
L2	1.10'	S10°02'37"E



- REFERENCE PLAT:
- 1) A PLAT OF POPS - GREENWOOD COMPLEX, A SECTION OF SEA PINES PLANTATION, DATED: 05/04/1994, BY: MICHAEL G. DORRIS, S.C.L.S. NO. 11005, BE: MICHAEL G. DORRIS, S.C.L.S. NO. 11005, RECORDED: P.L. 48, PG. 122, DATE: 02/14/1994.
  - 2) AN ASSEMBLY SURVEY WITH ELEVATIONS OF NEW PAVING AREA AT THE HILTON HEAD PLAZA, A SECTION OF SEA PINES PLANTATION, DATED: 02/17/2002, BY: TERRY G. HATCHELL, S.C.L.S. NO. 11008.
  - 3) AN ALTA PLANO LINE TITLE SURVEY OF: A SECTION OF SEA PINES PLANTATION, HILTON HEAD PLAZA, DATED: 09/01/2008, LAST REVISION: 08/17/2008, BY: TERRY G. HATCHELL, S.C.L.S. NO. 11008.

SITE DATA

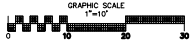
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TAX PARCEL I.D. No.	R552-015-000-0354-0000
F.E.M.A. FLOOD ZONE	A7 (14)
MAXIMUM IMPERVIOUS AREA	21,282 S.F. (60% x 12,769 S.F.)
MINIMUM PERVIOUS AREA 40%	8528 S.F.
PROPOSED PERVIOUS AREA	8,749 S.F. (8528 S.F.)
EXISTING PARKING SPACES	0
PARKING SPACES REQUIRED	S.F. / 335 ± 14.3 SPACES
CROSS PARKING AGREEMENT	
IN PLACE	
MAXIMUM IMPERVIOUS AREA	21,282 S.F. (60% x 12,769 S.F.)
EXISTING PARKING AREA	4463 S.F.
WALKWAYS IMPERVIOUS AREA	816 S.F.
PROPOSED BUILDING FOOTPRINT	4891 S.F.
TOTAL IMPERVIOUS	10,160 S.F. (12,769.2 S.F.)
IMPERVIOUS PAVER	2170 S.F.

- NOTES
- 1) I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY AS SPECIFIED THEREIN. ALSO THERE ARE NO OBVIOUS, APPARENT OR VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.
  - 2) AS OF THE DATE OF THIS SURVEY THIS PROPERTY IS LOCATED IN ZONE A2, A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY H.L.S. PANEL 13-E-3, COMMUNITY NO. 55059, MAP DATED 09/29/1986, BASE ELEVATION 14.02 (NGVD 29 DATUM). FLOOD HAZARD ZONE AND BASE ELEVATION SHOULD BE OBTAINED BY PROPER TOWN OR COUNTY BUILDING INSPECTIONS DEPARTMENT.
  - 3) BUILDING SETBACKS WHICH EXIST FOR THIS LOT, SHOWN OR NOT SHOWN ON THIS SURVEY ARE EXPLAINED IN THE COVENANTS, EASEMENTS & SETBACKS SHOWN SHOULD BE VERIFIED THRU THE APPROPRIATE ARCHITECTURAL REVIEW BOARD OR BUILDING AGENCY.
  - 4) UNDERGROUND UTILITIES NOT LOCATED EXCEPT AS SHOWN AND ARE APPROXIMATE. SURVEYING CONSULTANTS DOES NOT CERTIFY TO THE EXACT LOCATION OF ANY UNDERGROUND UTILITY.
  - 5) NO SUBSURFACE OR ENVIRONMENTAL INVESTIGATION OR WETLAND SURVEYS WERE PERFORMED FOR THIS PLAT. THEREFORE THIS PLAT DOES NOT REFLECT THE EXISTENCE OR NONEXISTENCE OF WETLANDS, CONTAMINATION, OR OTHER CONDITIONS WHICH MAY AFFECT THIS PROPERTY.
  - 6) SURVEYING CONSULTANTS CERTIFIES TO THE BOUNDARY, TOPOGRAPHIC AND ASSEMBLY INFORMATION PROVIDED HEREON AS OF THE DATE OF SURVEY. IF THIS DOCUMENT IS TO BE PROVIDED AS A BASE MAP FOR OTHERS, INFORMATION ADDED AFTER THE DATE OF THIS SURVEY IS NOT THE RESPONSIBILITY OF SURVEYING CONSULTANTS.
  - 7) THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE. THEREFORE THERE MAY BE OTHER EASEMENTS, RESTRICTIONS, OR OTHER SIMILAR MATTERS OF PUBLIC RECORD, NOT DEPICTED ON THIS SURVEY.
  - 8) BOUNDARY LINES ARE BASED ON FIELD EVIDENCE AND MONUMENTATION FOUND. BEARINGS ARE BASED ON SOUTH CAROLINA STATE PLANE GRID. BEARINGS AND DISTANCES SHOWN IN PARENTHESES ARE FROM REFERENCE PLAT #1.

LEGEND:

TREE SIZES ARE INCHES IN DIAMETER

○	SPOT ELEVATION
○	CONTOUR
○	CONCRETE MONUMENT, OLD (FOUND)
○	IRON REBAR, OLD (FOUND)
○	IRON REBAR, NEW (SET)
○	CRAPPE MYRTLE
○	DOG
○	HOLLY
○	LINE OAK
○	PALMETTO
○	PINE
○	LOBLOLLY PINE
○	TURPULO
○	WATER OAK
○	TREE TO BE REMOVED
○	A/C
○	AIR CONDITIONER
○	FINISHED FLOOR ELEVATION
○	LAMP POST
○	NOT TO SCALE
○	NOW OR FORMERLY
○	RIGHT OF WAY
○	SANITARY SINKER MANHOLE
○	SIGN
○	TEMPORARY BENCH MARK
○	TELEPHONE JUNCTION BOX
○	ELECTRIC TRANSFORMER
○	WATER VALVE
○	PERVIOUS PAVERS



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REVISIONS

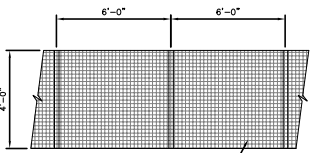
**DIVERSIFIED DESIGNS P.C.**  
 P.O. BOX 1397, 11 JONES AVE.  
 HILTON HEAD ISLAND, SC 29928  
 (912)786-7945 (803)864-1125  
 (912)786-7944 (912)786-7943 FAX

**PROPOSED SITE PLAN  
 A PROPOSED RESTAURANT @  
 #8 OFFICE WAY  
 HILTON HEAD ISLAND, SC**

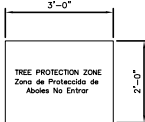
DRAWN BY: JOEL MOSS  
 CHECKED BY:  
 DATE: 9/28/2018  
 SCALE: NOTED  
 PROJECT# 00\_000\_00

**PERMIT  
 SET C-1**

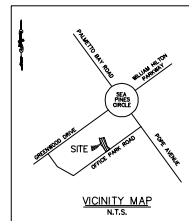
LINE	LENGTH	BEARING
L1	4.26'	N89°54'37" W
L2	2.50'	N43°07'33" E



**BRIGHT ORANGE PLASTIC MESH ON METAL OR WOODEN FENCE POST SECURED IN GROUND**  
**CONTINUOUS TREE PROTECTION BARRIER**  
SEE TREE PROTECTION PLAN FOR LOCATION



**WARNING SIGN DETAIL**  
POST SIGNS TO BE MORE THAN 4 FT. SPACES 150' APART

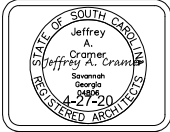


**REFERENCE PLAT:**

- 1) A PLAT OF POPE - GREENWOOD COMPLEX, A SECTION OF SEA PINES PLANTATION, P.T. MOORE & DUNHAM, S.C.R.L.E. NO. 11005 RECORDED P.B. 44, PG. 122, DATE: 05/14/1994.
- 2) AN ASHLEY SURVEY WITH ELEVATIONS OF NEW PARKING AREA AT THE HILTON HEAD PLAZA, A SECTION OF SEA PINES PLANTATION, P.T. TERRY & HATCHELL, S.C.R.L.E. NO. 11008, DATED: 05/19/2012.
- 3) AN ALTA/SICM LAND TITLE SURVEY OF ALTON HEAD PLAZA, A SECTION OF SEA PINES PLANTATION, DATED: 05/19/2012, LAST REVISED: 06/17/2020, P.T. TERRY & HATCHELL, S.C.R.L.E. NO. 11008.

**TREE DATA**

TREE CALIPRE CALCULATIONS  
21,282 SQ. FT. / 43,560 ACRES = 0.488 ACRE  
60% LOT COVERAGE x 21,282 = 12,769 MAX. IMPERVIOUS  
40% MIN. PERVIOUS AREA = 8528 S.F.  
ACI REQUIRED = 900 PER ACRE OF PERVIOUS AREA 8528 S.F. (0.198 ACRE) x 900 ACI = 176.4 ACI  
PRE-DEVELOPMENT ACI FROM TREE TALLY 309 DBH  
POST-DEVELOPMENT FROM TREE TALLY 198 DBH  
NO SUPPLEMENTAL PLANTING NEEDED



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REVISIONS

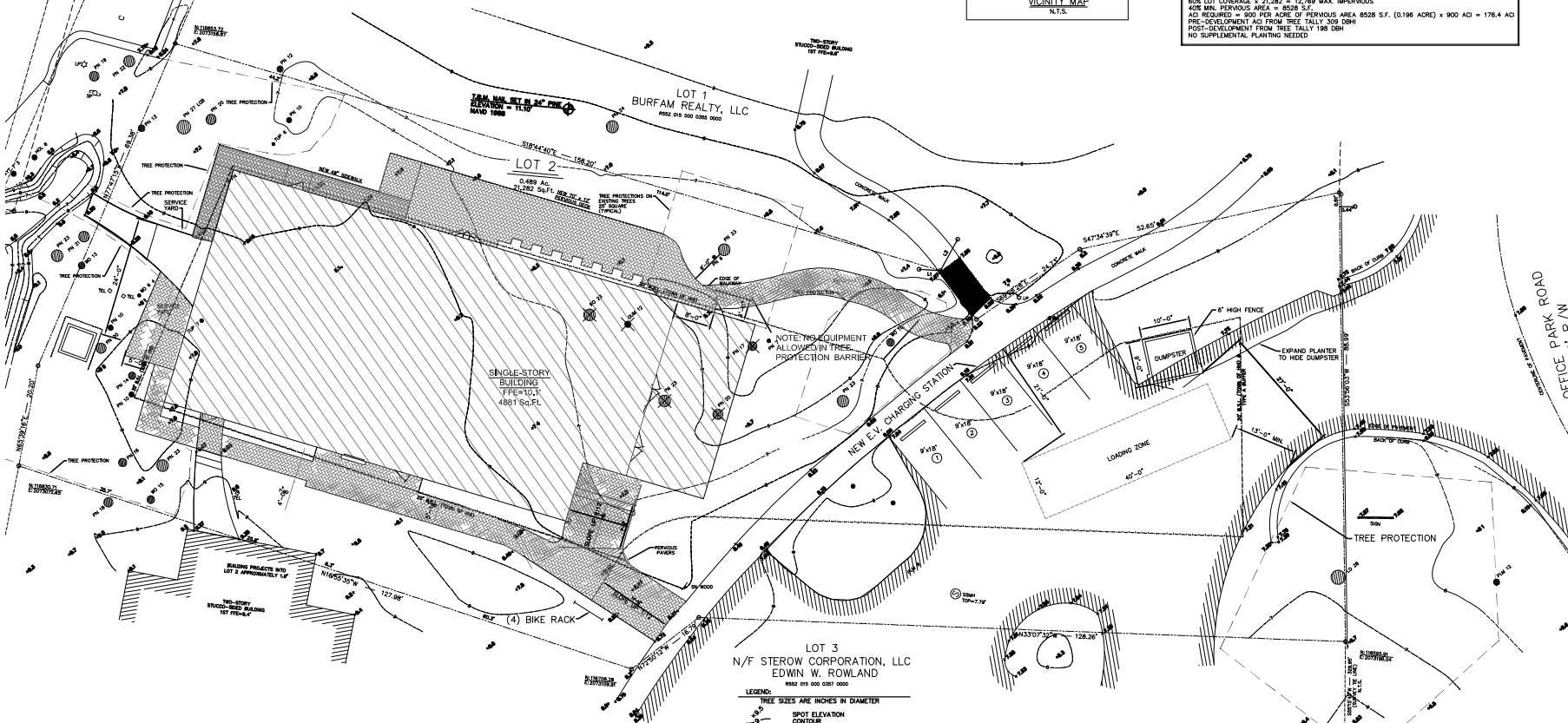
NO.	DESCRIPTION	DATE

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HILTON HEAD ISLAND, SC 29928  
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(912)786-7944 (912)786-7943 FAX

**TREE PROTECTION PLAN @ A PROPOSED RESTAURANT #8 OFFICE WAY HILTON HEAD ISLAND, SC**

DRAWN BY: JOEL MOSS  
CHECKED BY:  
DATE: 9/28/2018  
SCALE: NOTED  
PROJECT# 00\_000\_00

**PERMIT SET T-1**



**NOTES:**

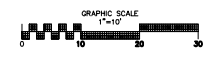
- 1) I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARD MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS 'A' SURVEY AS SPECIFIED THEREIN. ALSO THERE ARE NO OBVIOUS, APPARENT OR VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.
- 2) AS OF THE DATE OF THIS SURVEY THIS PROPERTY IS LOCATED IN ZONE A7, A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY HUDS. PANEL 15-19, COMMUNITY NO. 50500A, MAP DATED 09/29/1996, BASE ELEVATION 14.00 (ICD 29 DATUM). FLOOD HAZARD ZONE AND BASE ELEVATION SHOULD BE VERIFIED BY PROPER TOWN OR COUNTY BUILDING INSPECTIONS DEPARTMENT.
- 3) BUILDING SETBACKS WHICH EXIST FOR THIS LOT, SHOWN OR NOT SHOWN ON THIS SURVEY, ARE EXPLAINED IN THE COVENANT, EASEMENTS & SETBACKS SHOWN SHOULD BE VERIFIED THRU THE APPROPRIATE ARCHITECTURAL REVIEW BOARD OR BUILDING AGENCY.
- 4) UNDERGROUND UTILITIES NOT LOCATED EXCEPT AS SHOWN AND ARE APPROXIMATE. SURVEYING CONSULTANTS DOES NOT CERTIFY TO THE EXACT LOCATION OF ANY UNDERGROUND UTILITY.
- 5) NO SUBSURFACE OR ENVIRONMENTAL INVESTIGATION OR WETLAND SURVEYS WERE PERFORMED FOR THIS PLAT. THEREFORE THIS PLAT DOES NOT REFLECT THE EXISTENCE OR NONEXISTENCE OF WETLANDS, CONTAMINATION, OR OTHER CONDITIONS WHICH MAY AFFECT THIS PROPERTY.
- 6) SURVEYING CONSULTANTS CERTIFIES TO THE BOUNDARY, TOPOGRAPHIC AND ASBLUT INFORMATION PROVIDED HEREON AS OF THE DATE OF SURVEY. IF THIS DOCUMENT IS TO BE PROVIDED AS A BASE MAP FOR OTHERS, INFORMATION ADDED AFTER THE DATE OF THIS SURVEY IS NOT THE RESPONSIBILITY OF SURVEYING CONSULTANTS.
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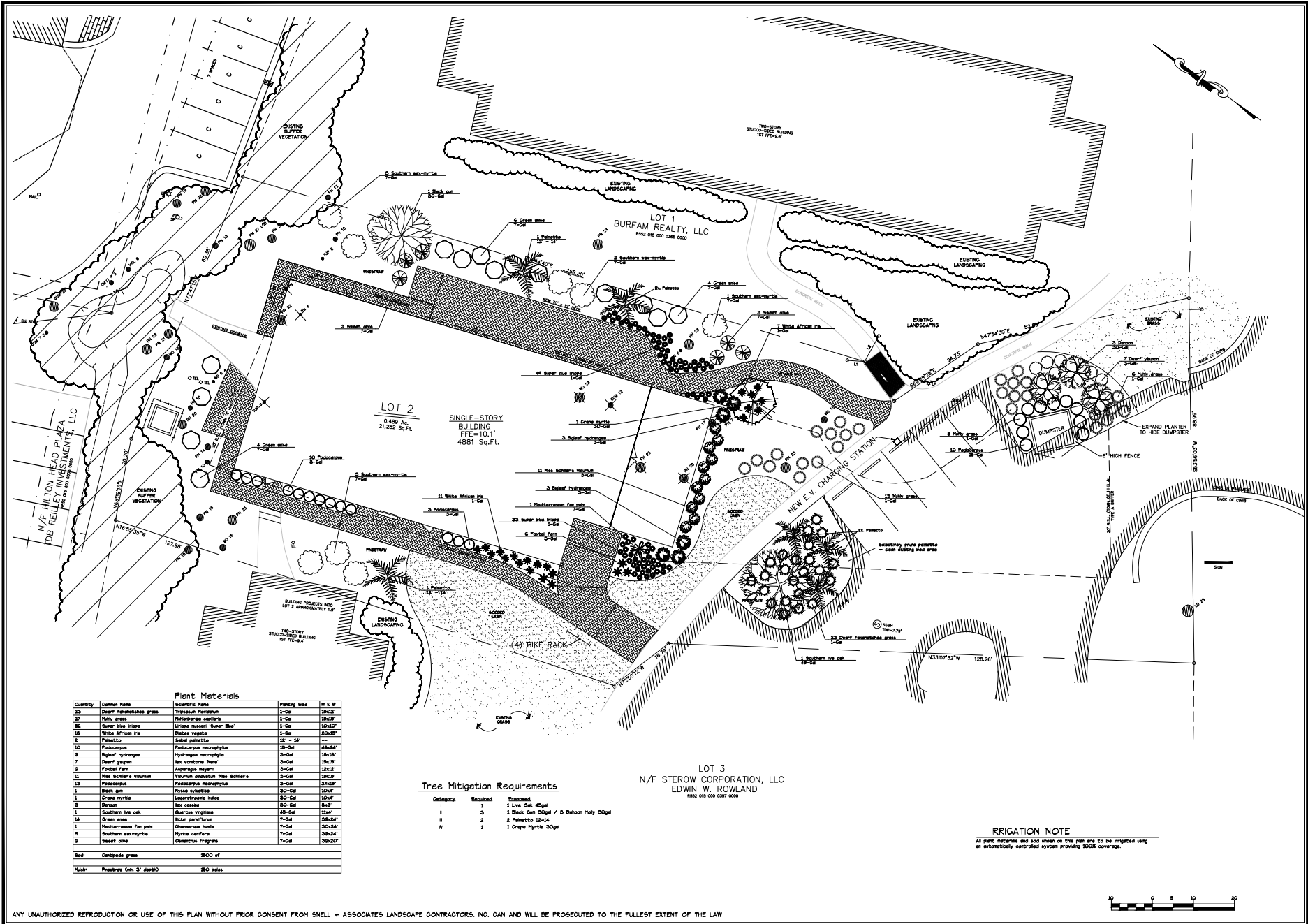
**LEGEND:**

TREE SIZES ARE INCHES IN DIAMETER

●	SPOT ELEVATION
○	CONTOUR
□	CONC. CL.
■	IRON REBAR, OLD (FOUND)
■	IRON REBAR, NEW (SET)
■	CRAPE MYRTLE
■	OLIVE
■	HOLLY
■	LINE OAK
■	PALMETTO
■	PINE
■	LOBLOLLY PINE
■	TURFED
■	WATER OAK
■	TURFED
■	TREE TO BE REMOVED
■	ACRE
■	AIR CONDITIONER
■	FINISHED FLOOR ELEVATION
■	LAND FOOT
■	NOT TO SCALE
■	NON OR FORMERLY
■	RIGHT OF WAY
■	SANITARY SEWER MANHOLE
■	SDI
■	TEMPORARY BENCH MARK
■	TELEPHONE JUNCTION BOX
■	ELECTRIC TRANSFORMER
■	WATER VALVE
■	PERVIOUS PAVERS

SITE DATA	
ZONING DISTRICT	SEA PINES CIRCLE
USE	SHOPPING CENTER
MAXIMUM DENSITY (PER NET AREA)	10,000 G.P.A.
LOT AREA	21,282 SQ.FT. (0.489 ACRES)
MAXIMUM DENSITY	21,282 = 4886 S.F.
PROPOSED DENSITY	43,560
TAX PARCEL ID. NO.	4881 S.F.
F.F.E.M.A. FLOOD ZONE	R55201540000354-0000
MAXIMUM IMPERVIOUS AREA	A7 (10)
MINIMUM IMPERVIOUS AREA	21,282 S.F. x 60% = 12,769 S.F.
EXISTING PAVING SPACES	8028 S.F.
PROPOSED PERVIOUS AREA	8,749 S.F. > 8928 S.F.
PARKING SPACES REQUIRED	4
CROSS PARKING AGREEMENT	S.F. / 335 = 14.3 SPACES
IN S.F. AC	43,560
MAXIMUM IMPERVIOUS AREA	21,282 S.F. x 60% = 12,769.2 S.F.
EXISTING PARKING AREA	4485 S.F.
WALKWAYS IMPERVIOUS AREA	819 S.F.
PROPOSED BUILDING FOOTPRINT	4881 S.F.
TOTAL IMPERVIOUS	10,180 S.F. = 12,769.2 S.F.
NEW PERVIOUS PAVER	2170 S.F.





**Plant Materials**

Quantity	Common Name	Scientific Name	Planting Size	H x W
25	Dwarf Ficus	Ficus benjamina	12-Gal	18x12
17	Mini grass	Panicum capense	1-Gal	18x12
80	Super Blue Iris	Iris sibirica 'Super Blue'	1-Gal	30x12
18	White Atrium Iris	Iris sibirica 'White Atrium'	1-Gal	30x12
2	Parrotia	Parrotia persica	15" - 14"	20x18
10	Podocarpus	Podocarpus neriifolius	18-Gal	48x24
6	Dwarf Yucca	Yucca filamentosa 'Dwarf'	12-Gal	18x18
7	Dwarf Yucca	Yucca filamentosa 'Dwarf'	12-Gal	18x18
6	Parrotia	Parrotia persica	15" - 14"	20x18
11	New York Ironwood	Yucca filamentosa 'New York Ironwood'	12-Gal	18x18
13	Podocarpus	Podocarpus neriifolius	18-Gal	48x24
1	Black gum	Nyssa sylvatica	30-Gal	30x24
1	Crepe myrtle	Lagerflora indica	30-Gal	30x24
3	Dalman	Illicium floridanum	30-Gal	30x24
1	Southern live oak	Quercus virginiana	48-Gal	36x24
14	Crepe myrtle	Lagerflora indica	12-Gal	18x18
1	Hardy Hibiscus	Hibiscus syriacus	12-Gal	18x18
4	Southern magnolia	Magnolia grandiflora	12-Gal	18x18
6	Beetle vine	Oenothera biennis	12-Gal	18x18
Soil	Grass seed	1800 sq		
Mulch	Pre Straw Co. 3" depth	180 tons		

**Tree Mitigation Requirements**

Category	Required	Proposed
I	1	1 Live Oak 40gal
I	2	2 Black Gum 30gal / 3 Dahoon Holly 30gal
H	2	2 Parrotia 15-14"
N	1	1 Crepe Myrtle 30gal

**IRRIGATION NOTE**

All plant materials and sod shown on this plan are to be irrigated using an automatically controlled system providing 100% coverage.



ANY UNAUTHORIZED REPRODUCTION OR USE OF THIS PLAN WITHOUT PRIOR CONSENT FROM SNELL + ASSOCIATES LANDSCAPE CONTRACTORS, INC. CAN AND WILL BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW

**Gum Tree Nursery**  
**Snell & Associates**  
**Landscape Contractors Inc.**  
 Landscape Design • Construction • Maintenance  
 104 Gunline Road  
 Hilton Head Island, SC 29926  
 Tel: 843-681-5538  
 Fax: 843-681-6383  
 Email: tsnell@snellgrou.com

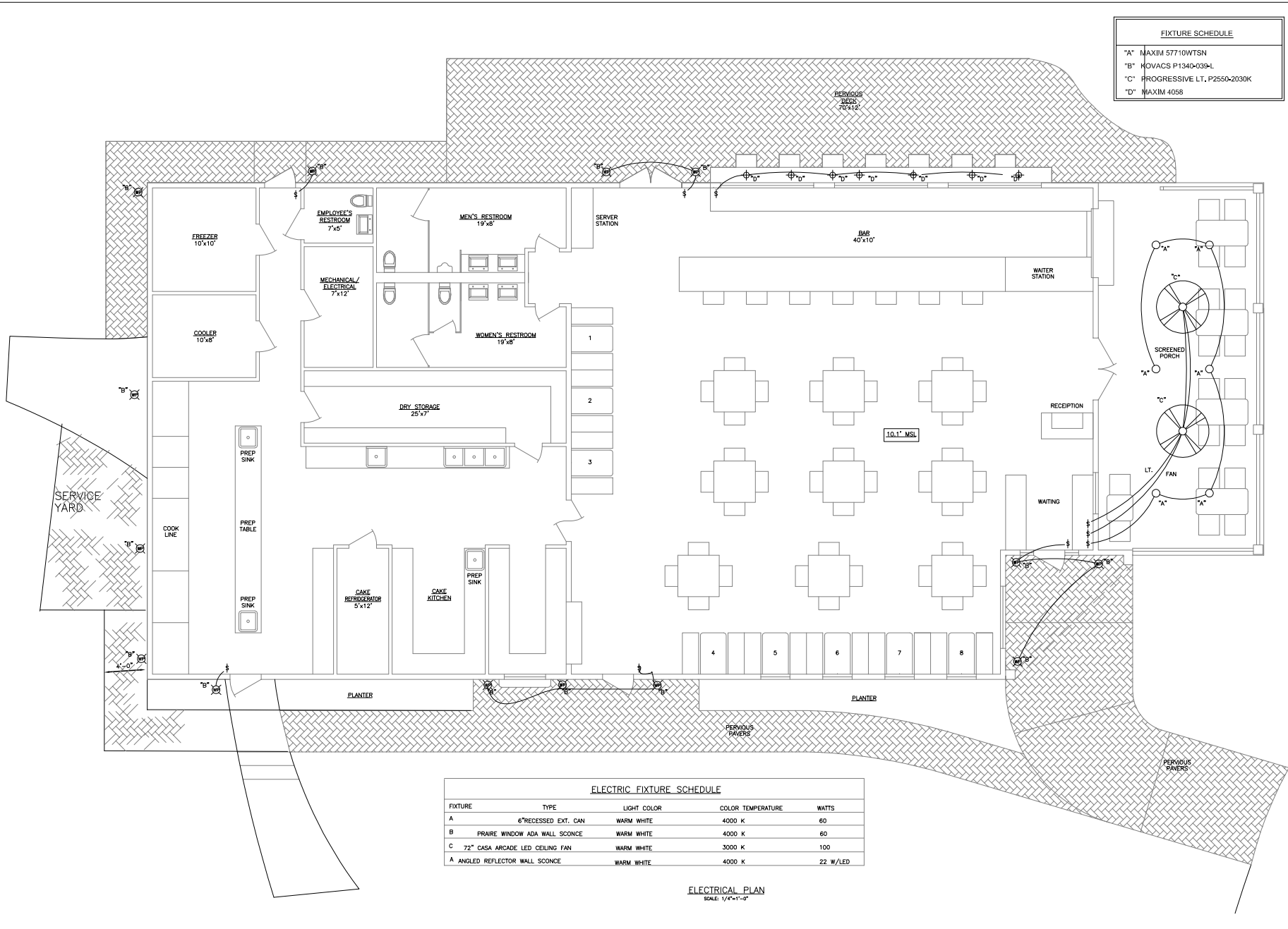
Landscape Plan  
**Fern Iams Restaurant**  
 Lot 2 (#8) Office Way  
 Hilton Head Island, South Carolina

Revisions:

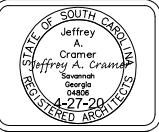
200106	adj patio +lms/BS
200428	adj walk/patio

Project #  
**GL-19340**  
 By:  
**MCS**  
 Scale:  
**1"=10'**  
 Date:  
**12-17-2019**

Sheet #:  
**LS-1.0**



FIXTURE SCHEDULE	
"A"	MAXIM 57710WTSN
"B"	HOVACS P1340-039-L
"C"	PROGRESSIVE LT, P2550-2030K
"D"	MAXIM 4058



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 (912) 286-7944 (912) 865-7943 FAX

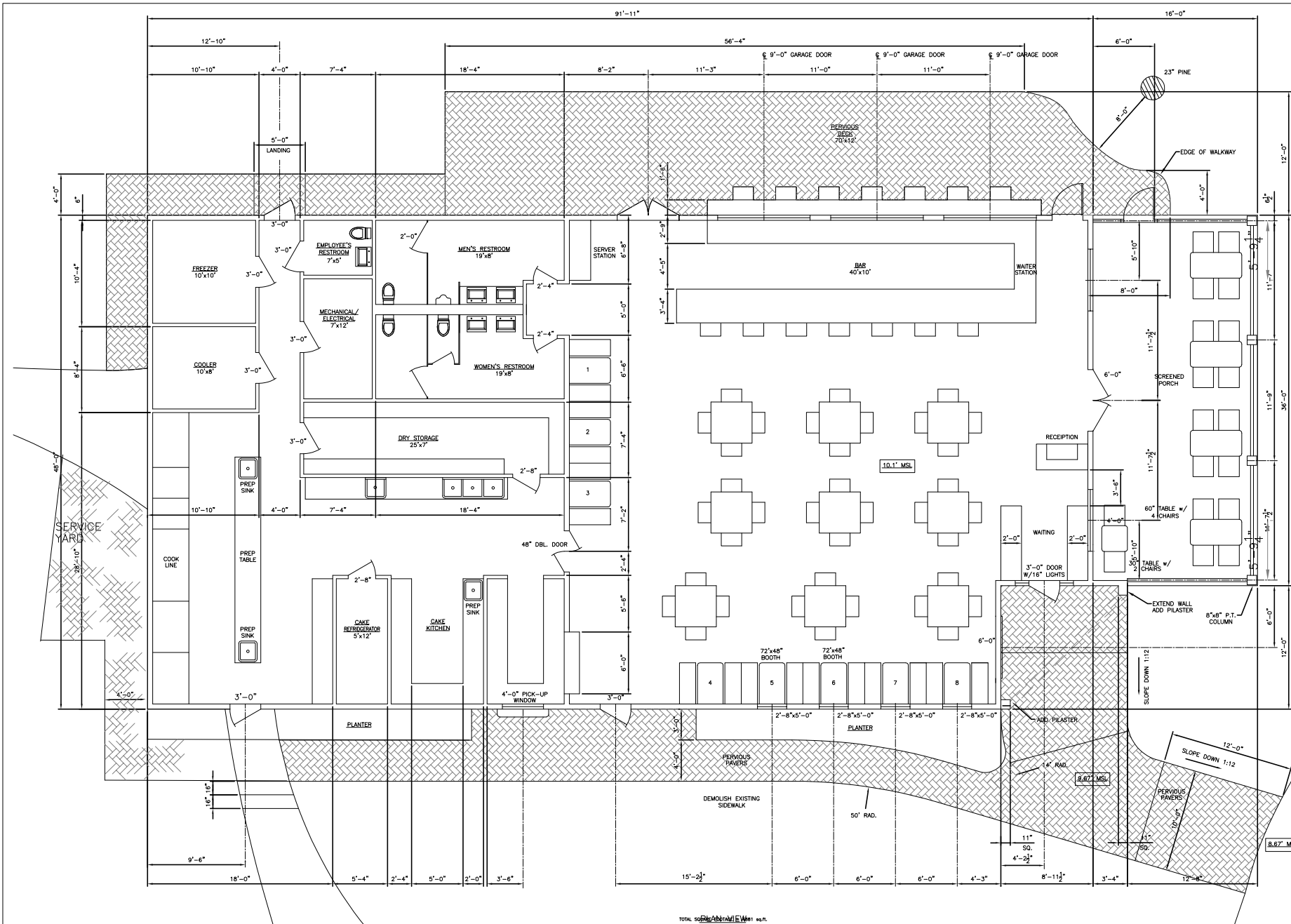
**FIXTURE SCHEDULE  
 A PROPOSED RESTAURANT @  
 #8 OFFICE WAY  
 HILTON HEAD ISLAND, SC**

ELECTRIC FIXTURE SCHEDULE				
FIXTURE	TYPE	LIGHT COLOR	COLOR TEMPERATURE	WATTS
A	6" RECESSED EXT. CAN	WARM WHITE	4000 K	60
B	PRAIRIE WINDOW ADA WALL SCONCE	WARM WHITE	4000 K	60
C	72" CASA ARCADE LED CEILING FAN	WARM WHITE	3000 K	100
A	ANGLED REFLECTOR WALL SCONCE	WARM WHITE	4000 K	22 W/LED

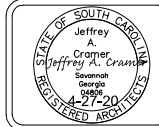
ELECTRICAL PLAN  
 SCALE: 1/4"=1'-0"

DRAWN BY: JOEL MOSS  
 CHECKED BY:  
 DATE: 9/28/2018  
 SCALE: 1/4"=1'-0"  
 PROJECT# 00\_000\_00

**PERMIT  
 SET E-1**



TOTAL SQUARE FOOTAGE 1,411 sq. ft.



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REVISIONS

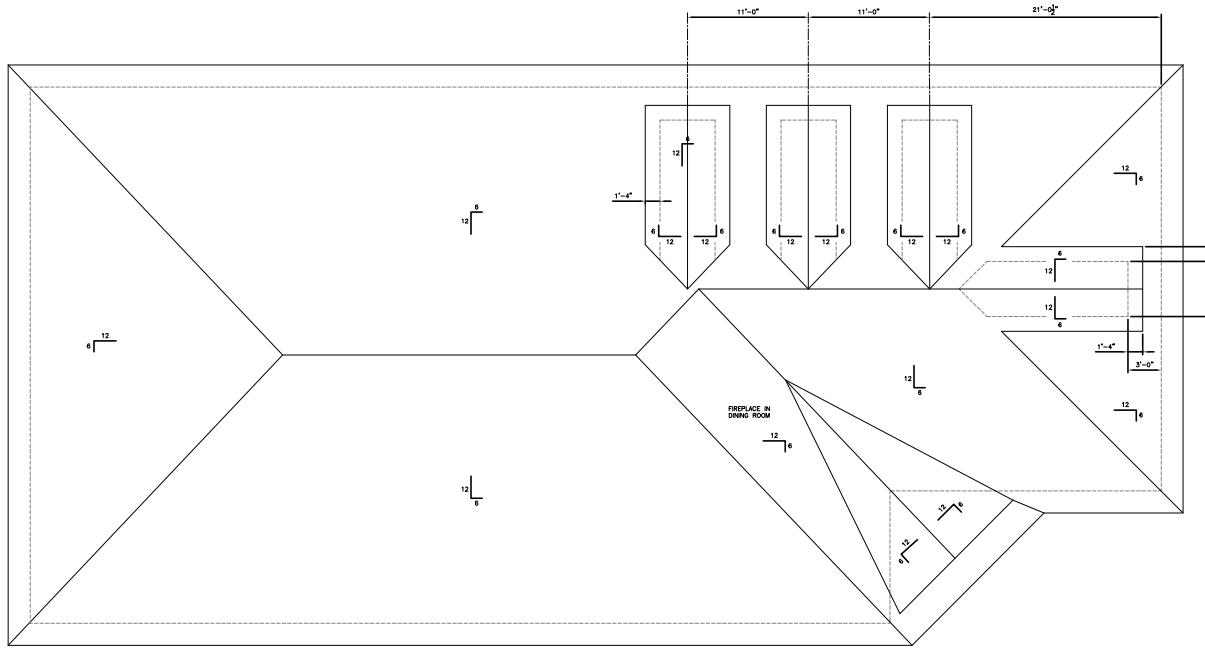
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 (912) 769-3844 (912) 769-7642 FAX

A PROPOSED RESTAURANT @  
**#8 OFFICE WAY**  
**HILTON HEAD ISLAND, SC**

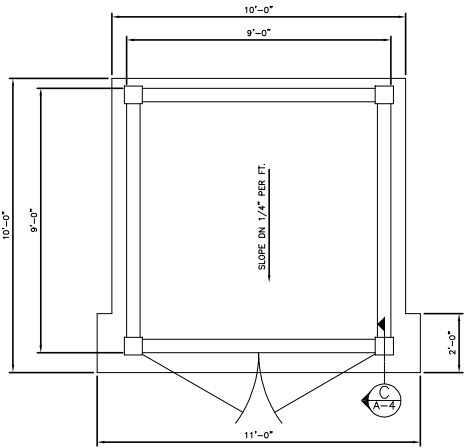
DRAWN BY: JOEL MOSS  
 CHECKED BY:  
 DATE: 9/28/2018  
 SCALE: 3/16"=1'-0"  
 PROJECT# 00\_000\_00

**PERMIT SET A-1**

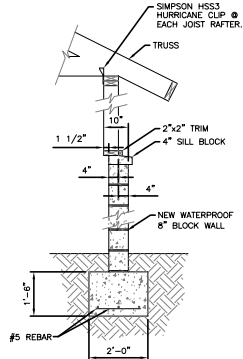




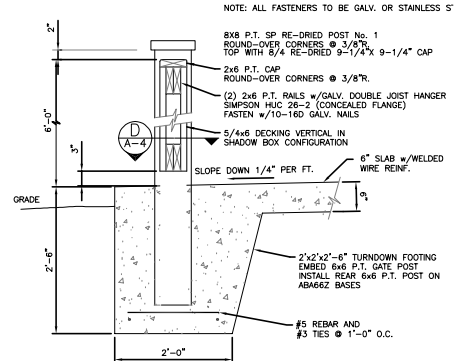
**ROOF PLAN**  
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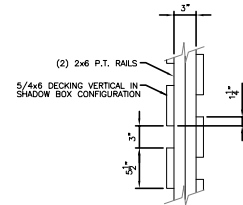
**DUMPSTER SLAB PLAN**  
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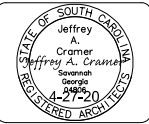
**NEW SECTION A-A**  
SCALE: 1/2"=1'-0"



**SECTION C-C**  
SCALE: 1"=1'-0"



**SECTION D-D**  
SCALE: 1-1/2"=1'-0"



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**REVISIONS**

NO.	DESCRIPTION

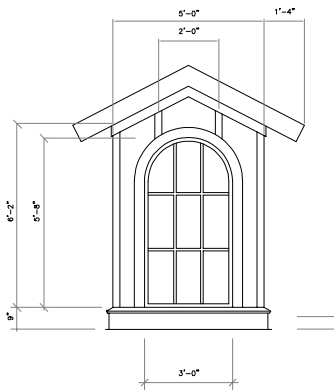
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(912)786-7344 (912)786-7345 FAX

A PROPOSED RESTAURANT @  
**#8 OFFICE WAY**  
**HILTON HEAD ISLAND, SC**

DRAWN BY: JOEL MOSS  
CHECKED BY:  
DATE: 9/28/2018  
SCALE: NOTED  
PROJECT# 00\_000\_00

**PERMIT  
SET A-4**



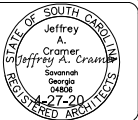
DORMER DETAIL  
SCALE: 1/2"=1'-0"



SOUTH ELEVATION



WEST ELEVATION



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REVISIONS

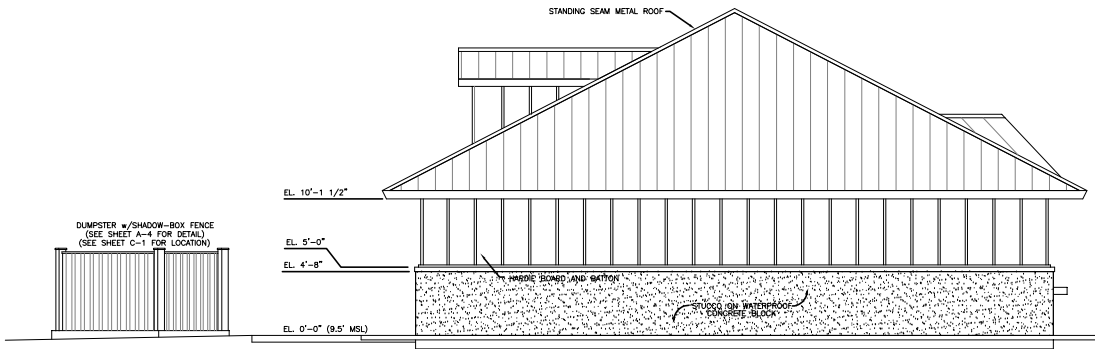
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TYBEE ISLAND, GA. 31159  
(912)786-7845 (800)864-1201  
(912)786-7844 (912)786-7845 FAX

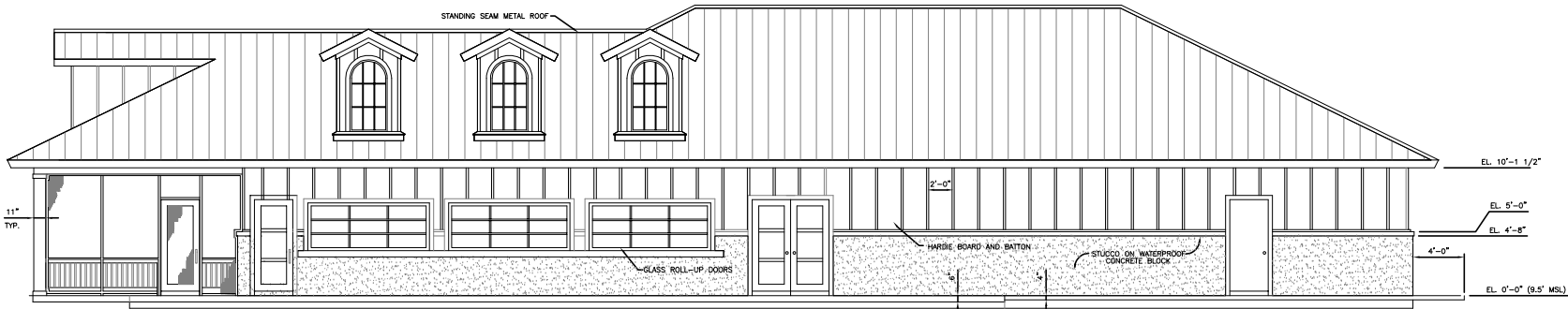
A PROPOSED RESTAURANT @  
#8 OFFICE WAY  
HILTON HEAD ISLAND, SC

DRAWN BY: JOEL MOSS  
CHECKED BY:  
DATE: 9/28/2018  
SCALE: 1/4"=1'-0"  
PROJECT# 00\_000\_00

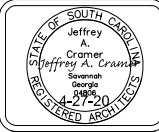
**PERMIT  
SET A-2**



NORTH ELEVATION



EAST ELEVATION



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 EMAIL: [design@diverh.com](mailto:design@diverh.com)  
 (912) 786-7944 (912) 786-7943 FAX

**A PROPOSED RESTAURANT @  
 #8 OFFICE WAY  
 HILTON HEAD ISLAND, SC**

DRAWN BY: JOEL MOSS  
 CHECKED BY:  
 DATE: 9/28/2018  
 SCALE: 1/4"=1'-0"  
 PROJECT# 00\_000\_00

**PERMIT SET A-3**

## DESIGN TEAM/DRB COMMENT SHEET

*The comments below are staff recommendations to the Design Review Board (DRB)  
and do NOT constitute DRB approval or denial.*

PROJECT NAME: Fern Iams Restaurant

DRB#: DRB-000876-2020

DATE: 05/01/20

RECOMMENDATION: Approval  Approval with Conditions  Denial

RECOMMENDED CONDITIONS:

<b><i>APPLICATION MATERIAL</i></b>				
<b>DRB REQUIREMENTS</b>	<b>Complies Yes</b>	<b>No</b>	<b>Not Applicable</b>	<b>Comments or Conditions</b>
Dimensioned Details and of Sections	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Limited dimensions on elevations. No section of grading.

<b><i>ARCHITECTURAL DESIGN</i></b>				
<b>DESIGN GUIDE/LMO CRITERIA</b>	<b>Complies Yes</b>	<b>No</b>	<b>Not Applicable</b>	<b>Comments or Conditions</b>
Overhangs are sufficient for the façade height.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Are the gutters concealed? None are indicated on the elevations or details. There are pedestrian walkways on three sides of the building along with a take-out window and bar seating directly under these roof overhangs.
Utilities and equipment are concealed from view	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Utility locations and screening are not shown on the plans.
Decorative lighting is limited and low wattage and adds to the visual character	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Proposed fixtures include 4000K, which does not meet the 3000K maximum requirement. There is an error in the table.
Accessory elements are design to coordinate with the	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Details not provided for doors, garage doors,

primary structure				windows, pavers or bike rack.
-------------------	--	--	--	-------------------------------

***LANDSCAPE DESIGN***

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Provides for a harmonious setting for the site's structures, parking areas or other construction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Simplify the plant palette.
Proposed groundcovers are evergreen species with low maintenance needs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	It appears it may be too shady for the Muhly Grass to survive as located. Replace with Dwarf Fakahatchee Grass or Liriope.

***NATURAL RESOURCE PROTECTION***

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Supplemental and replacement trees meet LMO requirements for size, species and number	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Provide the caliper for planted trees to determine if the required tree planting has been met.

***MISC COMMENTS/QUESTIONS***

1. This project received Conceptual approval at the Oct. 8 <sup>th</sup> 2019 DRB meeting. NOA is included.
2. Staff recommends "Leadcoat" or "Preweathered Galvalume" for the roof color. The "Silver Metalic" is too reflective.



Town of Hilton Head Island  
 Community Development Department  
 One Town Center Court  
 Hilton Head Island, SC 29928  
 Phone: 843-341-4757 Fax: 843-842-8908  
[www.hiltonheadislandsc.gov](http://www.hiltonheadislandsc.gov)

**FOR OFFICIAL USE ONLY**  
 Date Received: \_\_\_\_\_  
 Accepted by: \_\_\_\_\_  
 DRB #: \_\_\_\_\_  
 Meeting Date: \_\_\_\_\_

Applicant/Agent Name: WILLIAM GOLDSMITH Company: GATOR NORTH RIDGE PARTNERS, LLLP  
 Mailing Address: 7850 NW 14th ST, 4th FLR City: MIAMI LAKES State: FL Zip: 33016  
 Telephone: 305-949-9049 Fax: 305-948-6478 E-mail: BILLG@GATORINV.COM  
 Project Name: NORTH RIDGE PLAZA SITE IMPROVEMENTS Project Address: 435 WILLIAM HILTON PKWY, HILTON HEAD, SC.  
 Parcel Number [PIN]: R 5 1 1 0 0 8 0 0 0 0 3 4 5 0 0 0 0  
 Zoning District: CC Overlay District(s): \_\_\_\_\_

**CORRIDOR REVIEW, MAJOR  
 DESIGN REVIEW BOARD (DRB) SUBMITTAL REQUIREMENTS**

**Digital Submissions may be accepted via e-mail by calling 843-341-4757.**

Project Category:  
 Concept Approval – Proposed Development  Alteration/Addition  
 Final Approval – Proposed Development  Sign

Submittal Requirements for *All* projects:

Private Architectural Review Board (ARB) Notice of Action (if applicable): When a project is within the jurisdiction of an ARB, the applicant shall submit such ARB's written notice of action per LMO Section 16-2-103.I.4.b.iii.01. Submitting an application to the ARB to meet this requirement is the responsibility of the applicant. LOA (LANDOWNER ASSOCIATION), CBL PERIPHERAL PROPERTIES, HAS BEEN DISOLVED. SEE ATTACHED DOCUMENT FROM SOUTH CAROLINA SECRETARY OF STATE

Filing Fee: Concept Approval-Proposed Development \$175, Final Approval – Proposed Development \$175, Alterations/Additions \$100, Signs \$25; cash or check made payable to the Town of Hilton Head Island.

Additional Submittal Requirements:  
**Concept Approval – Proposed Development**

A survey (1"=30' minimum scale) of property lines, existing topography and the location of trees meeting the tree protection regulations of Sec. 16-6-104.C.2, and if applicable, location of bordering streets, marshes and beaches.

A site analysis study to include specimen trees, access, significant topography, wetlands, buffers, setbacks, views, orientation and other site features that may influence design.

A draft written narrative describing the design intent of the project, its goals and objectives and how it reflects the site analysis results.

Context photographs of neighboring uses and architectural styles.

Conceptual site plan (to scale) showing proposed location of new structures, parking areas and landscaping.

Conceptual sketches of primary exterior elevations showing architectural character of the proposed development, materials, colors, shadow lines and landscaping.

Additional Submittal Requirements:

**Final Approval – Proposed Development**

- A final written narrative describing how the project conforms with the conceptual approval and design review guidelines of Sec. 16-3-106.F.3. **ATTACHED**
- Final site development plan meeting the requirements of Appendix D: D-6.F. **SEE EXHIBIT C**
- Final site lighting and landscaping plans meeting the requirements of Appendix D: D-6.H and D-6.I. **SEE EXHIBIT C AND D**
- Final floor plans and elevation drawings (1/8"=1'-0" minimum scale) showing exterior building materials and colors with architectural sections and details to adequately describe the project. **SEE EXHIBIT A**
- A color board (11"x17" maximum) containing actual color samples of all exterior finishes, keyed to the elevations, and indicating the manufacturer's name and color designation.
- N/A** Any additional information requested by the Design Review Board at the time of concept approval, such as scale model or color renderings, that the Board finds necessary in order to act on a final application.

Additional Submittal Requirements:

**Alterations/Additions**

- All of the materials required for final approval of proposed development as listed above, plus the following additional materials.
- A survey (1"=30' minimum scale) of property lines, existing topography and the location of trees meeting the tree protection regulations of Sec. 16-6-104.C.2, and if applicable, location of bordering streets, marshes and beaches.
- Photographs of existing structure.

Additional Submittal Requirements:

**Signs**

Accurate color rendering of sign showing dimensions, type of lettering, materials and actual color samples.

For freestanding signs:

- Site plan (1"=30' minimum scale) showing location of sign in relation to buildings, parking, existing signs, and property lines.
- Proposed landscaping plan.

For wall signs:

- Photograph or drawing of the building depicting the proposed location of the sign.
- Location, fixture type, and wattage of any proposed lighting.

Note: All application items must be received by the deadline date in order to be reviewed by the DRB per LMO Appendix D: D-23.

*A representative for each agenda item is strongly encouraged to attend the meeting.*

**Are there recorded private covenants and/or restrictions that are contrary to, conflict with, or prohibit the proposed request? If yes, a copy of the private covenants and/or restrictions must be submitted with this application.**  YES  NO

To the best of my knowledge, the information on this application and all additional documentation is true, factual, and complete. I hereby agree to abide by all conditions of any approvals granted by the Town of Hilton Head Island. I understand that such conditions shall apply to the subject property only and are a right or obligation transferable by sale.

I further understand that in the event of a State of Emergency due to a Disaster, the review and approval times set forth in the Land Management Ordinance may be suspended.

**GATE NARRATIVE BUSINESS LTD**  
 By William Gustafson  
 SIGNATURE William Gustafson  
 VP

DATE 6-27-19

# Business Entities Online

File, Search, and Retrieve Documents Electronically

---

## CBL PERIPHERAL PROPERTIES LIMITED PARTNERSHIP

### Corporate Information

**Entity Type:** Limited Partnership

**Status:** Dissolved

**Domestic/Foreign:** Foreign

**Incorporated State:** Tennessee

### Important Dates

**Effective Date:** 09/08/1994

**Expiration Date:** N/A

**Term End Date:** N/A

**Dissolved Date:** 12/21/2017

### Registered Agent

**Agent:** CORPORATION SERVICE COMPANY

**Address:** 1703 LAUREL STREET  
COLUMBIA, South Carolina 29201

### Official Documents On File

Filing Type	Filing Date
Certificate of Cancellation	12/21/2017
Change of Agent or Office	12/06/2007
Change of Agent or Office	02/06/2004
LP Certificate	09/08/1994



## **NARRATIVE**

### **Northridge Plaza Site Improvements and Building Façade Upgrades**

435 William Hilton Parkway, Hilton Head, SC 29926

The project titled Northridge Plaza Site Improvements and Building Façade Upgrades will take place at the Northridge Plaza Shopping Center located at 435 William Hilton Parkway, in Hilton Head South Carolina.

The entire property consists of approximately 10.234 Acres. Site improvements consist of removal of Spaces #14 - #18 and replace with plantings and an Event Lawn, milling and resurfacing existing asphalt surfaces, replace timber curbs with concrete curbs, upgrade existing site / parking lot lighting with LED lighting to be designed and installed in accordance with Town standards by Palmetto Electric, landscaping, tree pruning, and removal of trees identified as hazards in the Tree Inventory report prepared by Bartlett Tree Experts and a site walk with Rocky Browder, Environmental Planner with the town. The combined site improvements of landscaping, lighting and paving will improve exterior lighting conditions creating enhanced view corridors which will improve both appearance and security monitoring opportunities.

Building Façade upgrades are long overdue and will eliminate deteriorating wood canopy conditions, as well as modernize the appearance of the property providing an enhanced experience for vendors, customers and visitors alike. These upgrades include removal of the existing wooden canopy along the shopping center façade, and providing standing seam metal canopies to provide shade, shelter from the elements and an improved appearance for the shopping center. Existing exterior wall surfaces will be re-surfaced with an EIFS (Stucco) system. The overall existing footprint of the shopping center, approximately 79,573 square feet, will be reduced by approximately 14,040 square feet.

We have reviewed town staff recommendations and have:

- Provided a Demolition Plan
- Provide details of the proposed façade and awning additions
- Adjusted the color of the Home Goods and Dollar Tree awnings to be more muted
- Adjusted the stucco color to light an earth tone color
- Removed the stacked stone from the Façade
- Extended the Canopy Along the façade of Home Goods and Dollar Tree

-Adjusted the light source placement so it is not visible in the canopies and adjusted lighting temperature to 3000k

-Reduced the lawn area along Hwy 278

-Noted on the plans existing understory plantings along Mathews Drive are to remain.

-Coordinated with the town hazard trees to be removed and provided mitigation for trees being removed categorized as poor.

Submitted by:  
Bartlett Tree Experts

**Jake Harrison, Regional Inventory Arborist**  
ISA Certified Arborist #SO-10028A, ISA Tree Risk Assessment Qualified

**Todd Rader, Arborist Representative**  
ISA Certified Arborist #PD-1607, ISA Tree Risk Assessment Qualified

**Bartlett Tree Experts**  
20 Trellis Court  
Hilton Head Island, SC 29926  
843-682-2487  
[www.bartlett.com](http://www.bartlett.com)

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## Gator Investments - Northridge Plaza Tree Inventory and Management Plan

### **MAKING THE MOST OF YOUR INVENTORY MANAGEMENT PLAN**

Those who operate a large business or institution understand how inventory impacts operations and budgeting. One must know what's there, how much or how many, and where it all is. But the task doesn't end there. To obtain the greatest benefit from inventory, owners or their designees must manage it. Are a company's tools, for example, old and defective, in need of repair, in short supply, or useless and taking up space that could be better occupied? A good management plan will address these issues and keep the inventory current, in good condition, and functioning for the benefit and safety of those involved.

Managing trees on a large property can seem like an overwhelming task, but the same principles of inventory management apply. This inventory and management plan should provide managers the data they need to develop realistic budgets for their tree maintenance needs, and it will help make this Gator Investments - Northridge Plaza site a safer and more beautiful environment.

The following tips will assist you in making the most of this document:

#### **Who's Who**

Those who conducted the inventory and prepared this document are members of the Bartlett Inventory Solutions team. They are also employees of Bartlett Tree Experts. The Bartlett Inventory Solutions team is overseen by four technical advisors out of the Bartlett Tree Research Laboratories in Charlotte, North Carolina. The advisors are primarily charged with client support, coordination, quality control, and documentation of inventories and the related data. Extensively trained Regional Inventory Arborists from local Bartlett Tree Experts offices are the primary data collectors and authors of the management plans. Readers may interpret the terms "Bartlett Tree Experts," "Bartlett," "the Inventory Team," "the team," "we," and "our" as the Bartlett company and those who conducted the inventory and prepared this management plan. In addition to the primary author(s) listed on the cover page, Team Member(s) involved in this project included:

#### **Technical Advisor**

**Chris Breedlove, Bartlett Inventory Solutions Technical Advisor**

#### **Data Collection**

**Jake Harrison, Regional Inventory Arborist**

ISA Certified Arborist #SO-10028A, ISA Tree Risk Assessment Qualified

## Subject Trees

In this document, the term "subject trees" refers (depending on context) to some or all of the 408 trees included in the inventory.

## Definitions & Bolded Terms

Some definitions or specifications are detailed within a given section to explain how readers should interpret certain terms or classifications. We have also appended a Glossary for other terms that appear throughout the document. The first reference to each of these terms appears in **bold** for the reader's convenience.

## How This Document is Organized

An outline appears below that introduces the order in which the sections of the management plan will appear. The management plan layout is as follows:

- **Table of Contents**
  - Road map for the management plan
- **Making the Most of Your Inventory Management Plan**
  - Explanations for how to efficiently and effectively understand and navigate this management plan document
- **Executive Summary**
  - Synopsis of the major findings and recommendations
- **Introduction**
  - Brief explanation of the inventory and what was included
- **Goals & Objectives**
  - Explanation of the specific goals and objectives for this inventory
- **Data Collection & Tree Inspection Methodology**
  - Lists, explanations, and definitions of all data collected during the inventory
- **Stand Dynamics Results**
  - Summary information for the entire tree population inventoried including risk ratings assigned during the inventory with corresponding table and map displays with figures if applicable
- **Defects or Observations**
  - List of all trees observed to have defects in the field in a table view with associated descriptive figures and maps if applicable
- **Entire Inventory**
  - List of all trees collected in a table display
- **Additional Resources**

- Listing of all appended items for this management plan

## **EXECUTIVE SUMMARY**

In March 2019, the Bartlett Inventory Solutions (BIS) Team from Bartlett Tree Experts conducted an inventory of trees on the Gator Investments - Northridge Plaza site. We identified 408 trees which included 14 species. The attributes that we collected include tree latitude and longitude, size, age and condition class, and a visual assessment of tree structure, health, and **vigor**.

We conducted the attribute collection using a sub-meter accuracy Global Positioning Satellite Receiver (GPSr) device with an error-in-location potential of not greater than three meters.

## **INTRODUCTION**

In March 2019, Gator Investments in Hilton Head, SC retained Bartlett Tree Experts to perform an inventory of trees on the 6 Northridge Plaza site. Team member Jake Harrison visited the site on March 5-7 to conduct the inventory.

The inventory included:

- identifying trees and assigning a Tree ID number (Tree ID numbers ranging from 1 to 408);
- identifying the trees' condition, health, and vigor;
- mapping the trees using GPSr hardware and Geographic Information System (GIS) software, and Bartlett Tree Experts' ArborScope™ web-based management system

The methods and procedures we used to make the above determinations and recommendations are detailed in the following sections.

## **GOALS & OBJECTIVES**

An effective management plan communicates clear goals and the specific objectives designed to carry out those goals. We intend "goal" to mean the overall aim or result we expect to achieve for the client in producing the inventory and management plan. The objectives are the specific actions taken or recommended to support goal completion. The table below describes each goal and its corresponding objective(s).



## GOALS & OBJECTIVES

GOAL	OBJECTIVES TO ACCOMPLISH GOAL
<b>Establish the tree inventory (per numbers agreed) on the Gator Investments-Northridge Plaza site.</b>	<ul style="list-style-type: none"> <li>• Using Trimble® Geo GPSr hardware and ArborScope™ Inventory Management Tools, collect data such as tree name, location, size, age class, and condition class.</li> <li>• Assign a Tree ID number to each tree inventoried.</li> </ul>
<b>Provide mechanism for managing inventory, recommendations, and related budget planning.</b>	<ul style="list-style-type: none"> <li>• Provide map or maps of the inventoried trees to assist the client in managing property areas.</li> <li>• Submit a comprehensive management plan that documents and organizes findings and provides other resources to assist the client in efficient use of the information.</li> </ul>
<b>Maximize client understanding and implementation of management plan.</b>	<ul style="list-style-type: none"> <li>• Include in management plan specific explanations and visuals related to plan recommendations.</li> <li>• Provide appended resources that address health, procedures, and standards related to tree care.</li> <li>• Make periodic contact with client to follow up and answer any questions about the management plan's contents.</li> </ul>

## DATA COLLECTION & TREE INSPECTION METHODOLOGY

In conducting the inventory, we used specialized equipment and software and followed specific procedures to determine tree characteristics, risk evaluations, and recommendations. The following explanation will assist the reader in interpreting the findings of this management plan.

### Data Collection Equipment & Attribute Data

The Inventory Team used Trimble® Geo GPSr hardware units, TerraSync® and GPS Pathfinder® Office GIS software, and Bartlett Tree Experts' ArborScope™ web-based management system to inventory the trees. The attribute data we collected on site are listed below.

- botanical name and regional common name according to local ISA Chapter Tree Species List
- tree location based on GPS coordinate system
- tree ID number
- diameter at breast height (**DBH**)
- canopy radius
- age class
- height class
- condition class

- root zone infringement, based on **dripline** and estimated **grayscale** (e.g., sidewalks) impact on root zone
- infrastructure interaction (between trees and grayscale that may cause an undesirable condition)
- noted defects/observations

## Specifications/Definitions

### Age Class

<b>New Planting</b>	Tree not yet established
<b>Young</b>	Established tree but not in the landscape for many years
<b>Semi-mature</b>	Established tree but has not yet reached full growth potential
<b>Mature</b>	Tree within its full growth potential
<b>Over-mature</b>	Tree that is declining or beginning to decline due to its age

### Height Class

<b>Small</b>	Less than 15 feet
<b>Medium</b>	15 to 40 feet
<b>Large</b>	Greater than 40 feet

### Condition Class

<b>Dead</b>	
<b>Poor</b>	Most of the canopy displays dieback and undesirable leaf color, inappropriate leaf size or inadequate new growth. Tree or parts of tree are in the process of failure.
<b>Good</b>	Tree health and condition are acceptable.

## STAND DYNAMICS RESULTS



## **STAND DYNAMICS RESULTS**

In reviewing the results and recommendations, the reader will find useful the specifications and definitions detailed in the preceding methodology above. We used the following categories to organize the stand dynamics results, which are displayed in tables:

- **Subject Trees Summarized According to:**
  - Tree Species Identified
  - Condition Class
  - Age Class
  - Tree Size per DBH
  - Estimated Tree Asset Value

Where appropriate, we have included explanations, photos, drawings, or other information to illuminate the table contents.

## Stand Dynamics

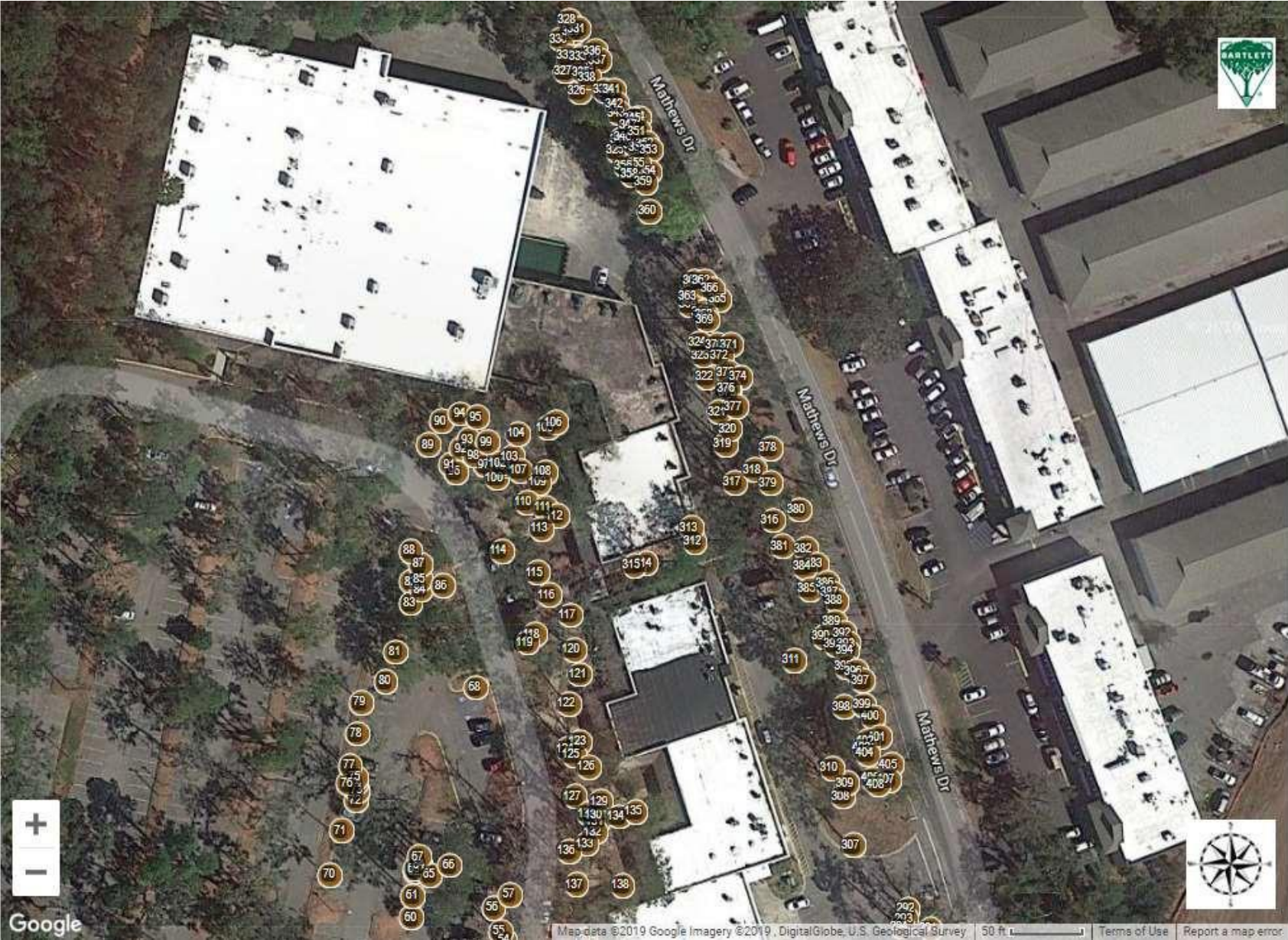
### Tree Species Identified

Our inventory revealed 14 species of trees, as detailed in the following table:

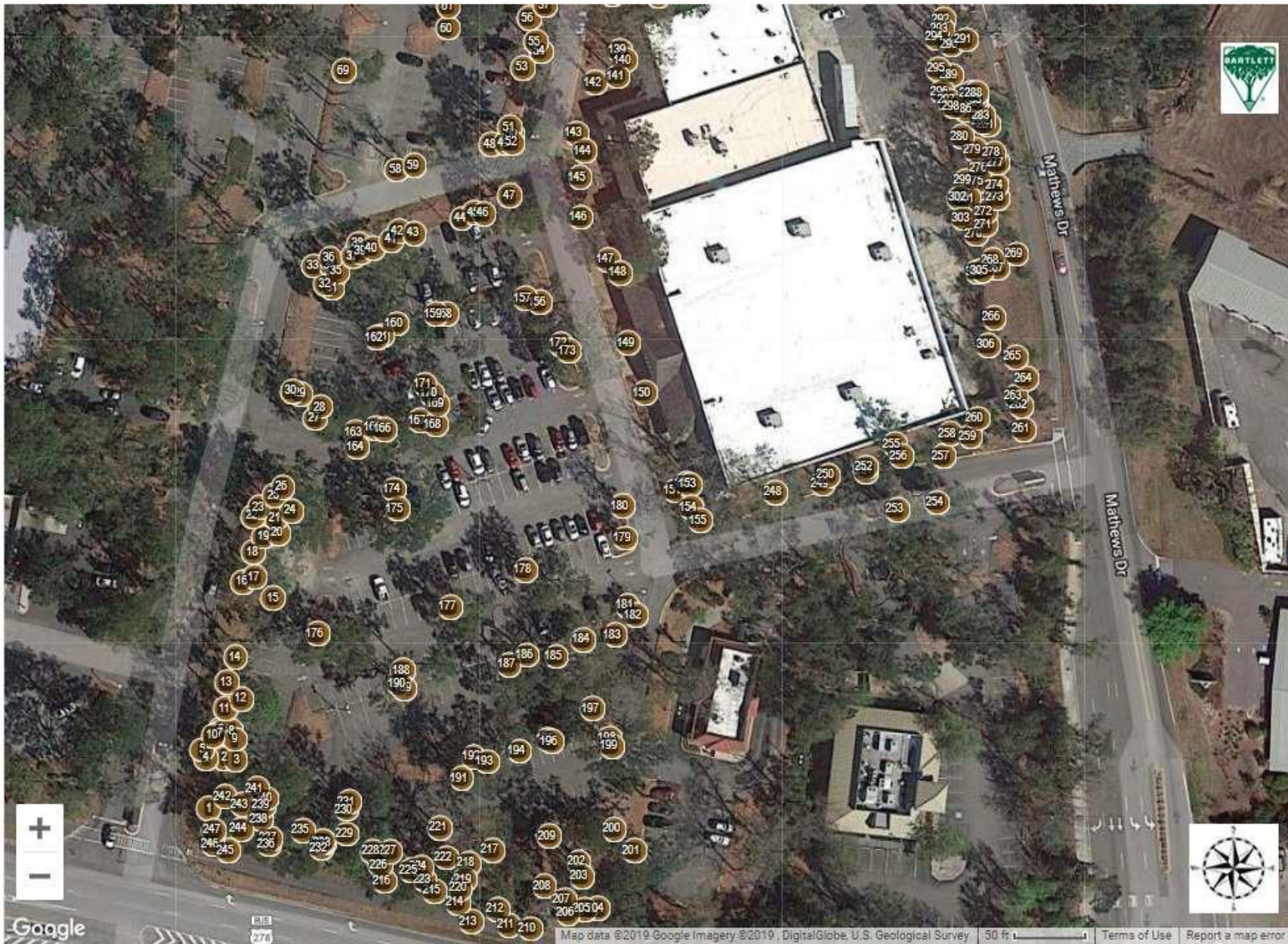
#### TREE SPECIES IDENTIFIED

Genus	Species	Common Name	Count	% Distribution Total
<i>Acer</i>	<i>rubrum</i>	Maple-Red	2	< 1%
<i>Lagerstroemia</i>	sp.	Crapemyrtle	11	3%
<i>Liquidambar</i>	<i>styraciflua</i>	Sweetgum	15	4%
<i>Magnolia</i>	<i>grandiflora</i>	Magnolia-Southern	1	< 1%
<i>Pinus</i>	<i>elliottii</i>	Pine-Slash	48	12%
	<i>palustris</i>	Pine-Longleaf	3	1%
	<i>taeda</i>	Pine-Loblolly	26	6%
<b>Pinus Total</b>			<b>77</b>	<b>19%</b>
<i>Prunus</i>	sp.	Cherry	3	1%
<i>Quercus</i>	<i>falcata</i>	Oak-Southern Red	2	< 1%
	<i>laurifolia</i>	Oak-Laurel	160	39%
	<i>nigra</i>	Oak-Water	34	8%
	<i>phellos</i>	Oak-Willow	1	< 1%
	<i>virginiana</i>	Oak-Live	77	19%
<b>Quercus Total</b>			<b>274</b>	<b>67%</b>
<i>Sabal</i>	<i>palmetto</i>	Palmetto-Cabbage	25	6%
<b>Grand Total</b>			<b>408</b>	<b>100%</b>

2019 TREE INVENTORY (NORTH)



# 2019 TREE INVENTORY (SOUTH)

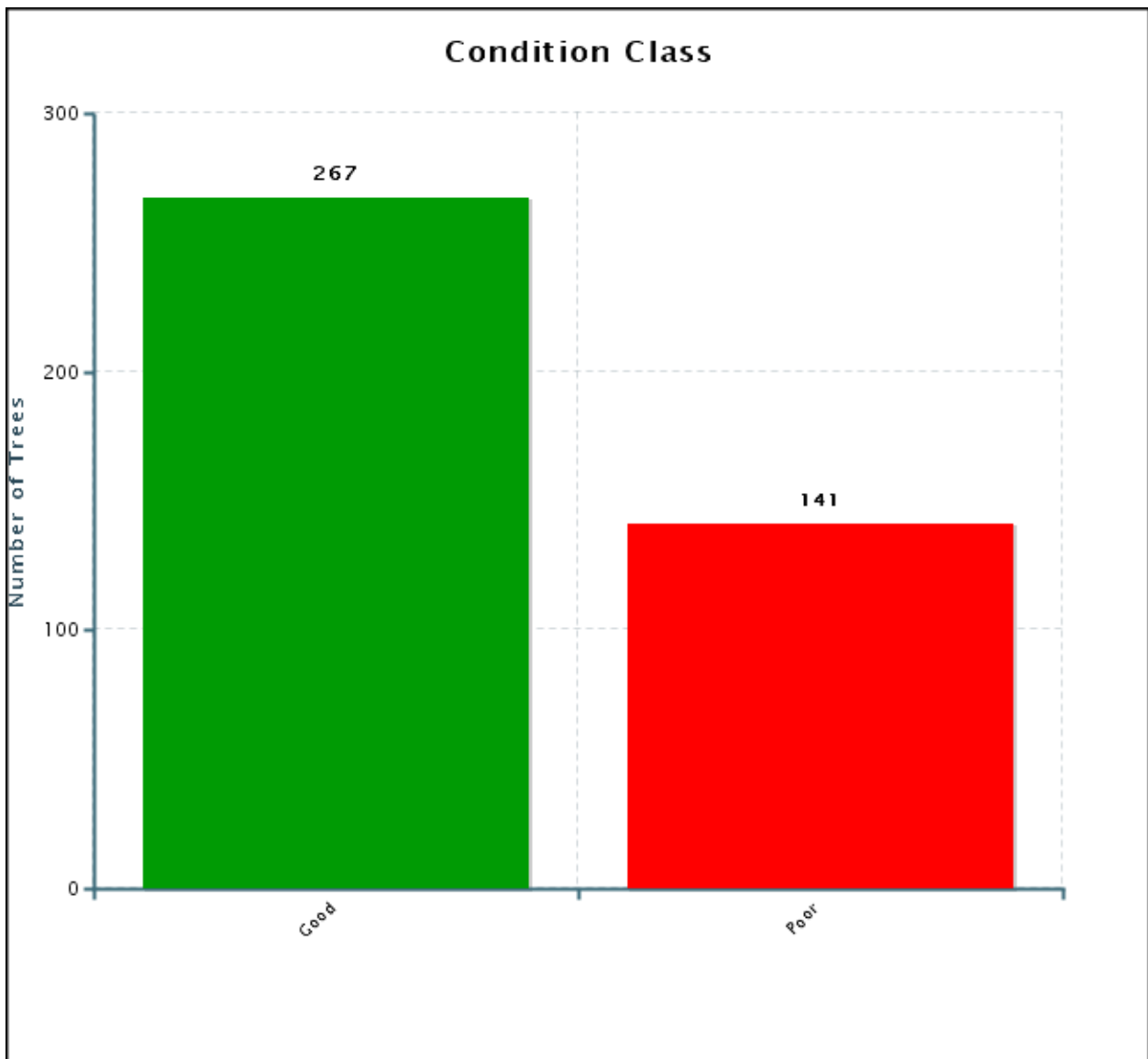


## Condition Class

The breakdown of tree condition follows:

### CONDITION CLASS BREAKDOWN

Condition Class	Quantity	% of Total
Good	267	65%
Poor	141	35%





# INVENTORIED TREES BY CONDITION CLASS (NORTH)



Condition: ● good ● poor

# INVENTORIED TREES BY CONDITION CLASS (SOUTH)

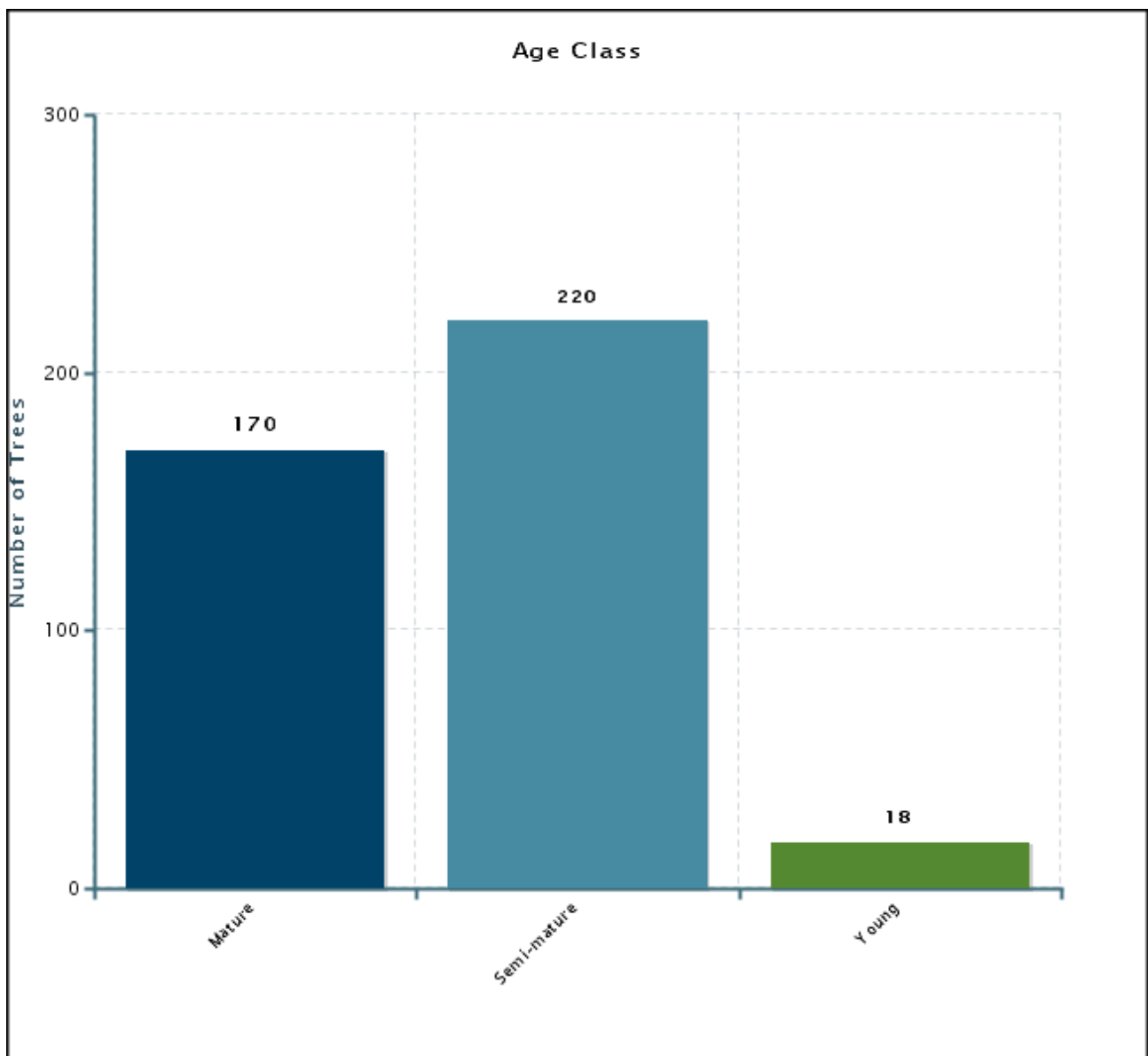


## Age Class

The breakdown of tree age class follows:

**AGE CLASS BREAKDOWN**

Age Class	Quantity	% of Total
Mature	170	42%
Semi-mature	220	54%
Young	18	4%



## INVENTORIED TREES BY AGE CLASS (NORTH)



**Age:** ● Young ● Semi-Mature ● Mature

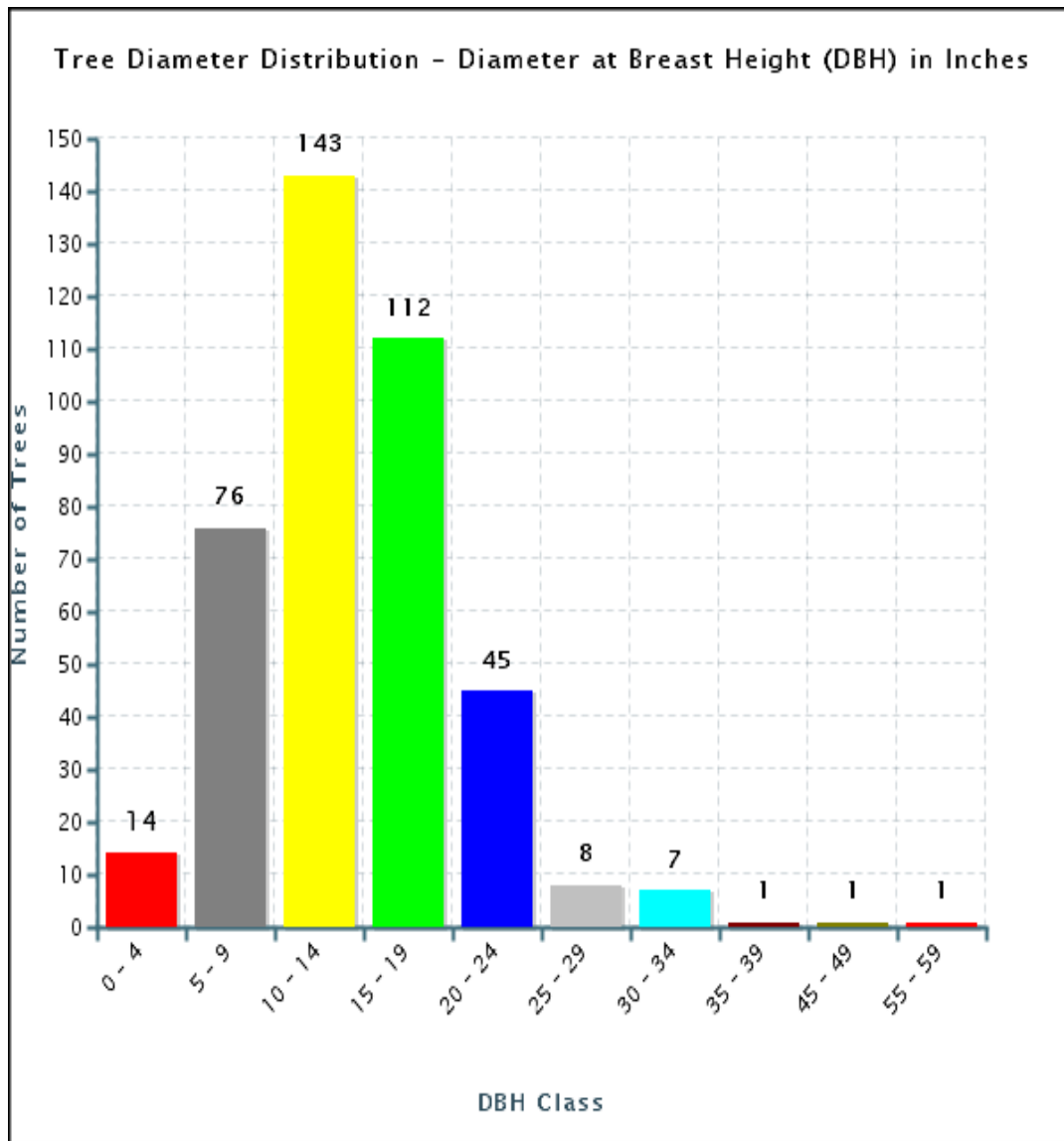
# INVENTORIED TREES BY AGE CLASS (SOUTH)



Age: ● Young ● Semi-Mature ● Mature

## Tree Size (DBH)

The following chart illustrates numbers of trees according to size per DBH:



## Estimated Tree Asset Value

As part of the Bartlett inventory process, we have included an Estimated Tree Asset Value for each tree and a cumulative total for all trees inventoried. We use an average per square inch nursery price, size (DBH), species factor, condition factor, and location factor to estimate the tree asset value. This is not intended to replace a tree appraisal.

The following data fields are used in this formula:

Data Field	Description
<b>Average Per Square Inch Nursery Price</b>	Based on the average nursery prices for two common tree species and one exotic tree species within a region, then taking the average of those three as the average per square inch price for the region
<b>Size</b>	Based on tree DBH (4.5 feet above grade)
<b>Species Factor</b>	Relative species desirability based on 100% for the tree in that geographical location. In most cases, species desirability ratings, published by the International Society of Arboriculture, are used for adjustment.
<b>Condition Factor</b>	Rating of the tree's structure and health based on 100%
<b>Location Factor</b>	Average rating for the site and the tree's contribution and placement, based on 100%

$$\text{Estimated Tree Asset Value} = (\text{Average Per Square Inch Nursery Price} * \text{Size}) * \text{Species Factor} * \text{Condition Factor} * \text{Location Factor}$$

The estimated cumulative total value for all trees inventoried is **\$2,363,971.70**. The following table lists the ten trees with the highest Tree Asset Values:

### TOP TEN TREES - HIGHEST ESTIMATED TREE ASSET VALUE

Tree ID	Common Name	Genus	Species	DBH	Tree Asset Value
82	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	58	\$73,958.86
175	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	46	\$57,019.43
137	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	34,22	\$51,691.65
106	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	23,22,14	\$38,877.50
72	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	35	\$38,019.71
359	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	26,22	\$37,301.82
118	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	34	\$36,127.79
253	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	22,25	\$35,661.82
190	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	31	\$30,287.35
146	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	31	\$30,287.35

# TOP TEN TREES - HIGHEST TREE ASSET VALUE





## DEFECTS OR OBSERVATIONS



## DEFECTS OR OBSERVATIONS

The following table lists inventoried trees for which we noted defects, observations, or other structural issues. The image below provides an example of a cavity.



**Tree #385 exhibiting a cavity in the stem and root flare.**

**INVENTORIED TREES WITH DEFECTS, OBSERVATIONS, OR OTHER STRUCTURAL ISSUES  
(375 Trees)**

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
1	Pine-Loblolly	22	<ul style="list-style-type: none"> <li>• Uneven crown</li> <li>• Dead branches &gt;2</li> </ul>
2	Oak-Laurel	12,13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Included bark</li> <li>• Co-dominant leaders</li> </ul>
3	Oak-Laurel	18	<ul style="list-style-type: none"> <li>• Decay-Stem</li> <li>• Buried root collar</li> <li>• Dieback</li> <li>• Fungi/conks</li> <li>• Cavity-stem</li> </ul>
4	Oak-Laurel	11	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> </ul>
5	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> </ul>
6	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Uneven crown</li> </ul>
7	Oak-Laurel	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Wound-stem</li> <li>• Co-dominant leaders</li> <li>• Dead branches &gt;2</li> </ul>
8	Oak-Laurel	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> </ul>
9	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Uneven crown</li> </ul>
10	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Uneven crown</li> <li>• Dieback (moderate)</li> </ul>
11	Pine-Loblolly	18	<ul style="list-style-type: none"> <li>• Dead branches &gt;2</li> </ul>
12	Oak-Laurel	17	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Dieback (severe)</li> </ul>
13	Oak-Laurel	15	<ul style="list-style-type: none"> <li>• Wound-stem</li> <li>• Dieback</li> </ul>
14	Oak-Laurel	16	<ul style="list-style-type: none"> <li>• Cavity-stem</li> <li>• Decay-Root flare</li> <li>• Fungi/conks</li> <li>• Dieback (severe)</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
16	Oak-Laurel	15	<ul style="list-style-type: none"> <li>• Girdling roots suspected</li> <li>• Crack</li> <li>• Uneven crown</li> <li>• Dieback</li> </ul>
17	Oak-Laurel	10	<ul style="list-style-type: none"> <li>• Lean</li> <li>• Uneven crown</li> </ul>
18	Oak-Laurel	15	<ul style="list-style-type: none"> <li>• Crack</li> <li>• Cavity-Suspected</li> <li>• Lean</li> <li>• Dead branches &gt;2</li> </ul>
19	Oak-Laurel	20	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Included bark</li> </ul>
20	Pine-Loblolly	18	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Wound-stem</li> </ul>
21	Oak-Laurel	11	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Cavity-Suspected</li> <li>• Dead branches &gt;2</li> </ul>
22	Pine-Loblolly	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Corrected lean</li> </ul>
23	Pine-Loblolly	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> </ul>
24	Oak-Laurel	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Uneven crown</li> <li>• Dead branches &gt;2</li> </ul>
25	Oak-Laurel	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Dead branches &gt;2</li> </ul>
26	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Wound-stem</li> <li>• Co-dominant leaders</li> </ul>
27	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
28	Pine-Slash	18	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> </ul>
29	Oak-Laurel	19	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Cavity-stem</li> </ul>
30	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Dead branches &gt;2</li> </ul>
32	Oak-Live	17	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Cavity-root flare</li> <li>• Lean</li> </ul>

Tree ID	Common Name	DBH	Defect(s) or Observation(s)
33	Oak-Live	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Lean</li> </ul>
34	Oak-Live	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Uneven crown</li> <li>• Co-dominant leaders</li> </ul>
35	Oak-Live	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Suppressed</li> <li>• Cavity-stem</li> </ul>
36	Oak-Live	17	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Co-dominant leaders</li> </ul>
37	Oak-Laurel	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> </ul>
38	Pine-Loblolly	21	<ul style="list-style-type: none"> <li>• Low live crown ratio</li> </ul>
39	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
40	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Poor branch structure</li> <li>• Uneven crown</li> <li>• Buried root collar</li> </ul>
41	Crapemyrtle	2,2	<ul style="list-style-type: none"> <li>• Topping/heading cuts</li> <li>• Buried root collar</li> </ul>
42	Crapemyrtle	3,2,2	<ul style="list-style-type: none"> <li>• Topping/heading cuts</li> <li>• Buried root collar</li> </ul>
43	Crapemyrtle	3,3	<ul style="list-style-type: none"> <li>• Topping/heading cuts</li> <li>• Buried root collar</li> </ul>
44	Crapemyrtle	3,3	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Topping/heading cuts</li> </ul>
45	Crapemyrtle	4,3	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Wound-stem</li> <li>• Topping/heading cuts</li> </ul>
46	Oak-Laurel	11	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Uneven crown</li> </ul>
47	Oak-Laurel	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
48	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> <li>• Poor branch structure</li> </ul>
49	Pine-Slash	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
50	Pine-Slash	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
51	Pine-Slash	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
52	Pine-Slash	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>
53	Oak-Live	17	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
54	Oak-Laurel	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Dieback</li> </ul>
55	Oak-Laurel	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
56	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> </ul>
57	Oak-Laurel	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
58	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Dieback</li> <li>• Dead branches &gt;2</li> </ul>
59	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Seam</li> <li>• Cavity-Suspected</li> <li>• Dieback</li> <li>• Dead branches &gt;2</li> </ul>
61	Pine-Loblolly	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Dead branches &gt;2</li> </ul>
62	Pine-Loblolly	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Low live crown ratio</li> <li>• Dead branches &gt;2</li> </ul>
63	Pine-Loblolly	11	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
64	Pine-Loblolly	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Low live crown ratio</li> <li>• Dead branches &gt;2</li> </ul>
65	Oak-Laurel	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Uneven crown</li> </ul>
66	Oak-Laurel	22	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Co-dominant leaders</li> <li>• Dieback</li> </ul>
67	Pine-Loblolly	19	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Low live crown ratio</li> </ul>
68	Oak-Laurel	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Dieback</li> </ul>
69	Oak-Live	21	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
70	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dieback</li> <li>• Dead branches &lt;=2</li> </ul>
71	Oak-Laurel	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dieback</li> <li>• Dead branches &lt;=2</li> <li>• Lean</li> </ul>
72	Oak-Live	35	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Cavity-root flare</li> <li>• Co-dominant leaders</li> <li>• Dead branches &gt;2</li> </ul>
73	Oak-Water	8	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
74	Oak-Laurel	8	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> </ul>
75	Oak-Laurel	8	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> </ul>
76	Oak-Laurel	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dieback</li> <li>• Lean</li> </ul>
77	Oak-Laurel	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Dieback</li> <li>• Uneven crown</li> </ul>
78	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Dieback (severe)</li> </ul>
79	Oak-Live	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Dieback (severe)</li> </ul>
80	Oak-Laurel	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Dieback</li> <li>• Fungi/conks</li> </ul>
81	Oak-Laurel	8	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
82	Oak-Live	58	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Co-dominant leaders</li> </ul>
83	Oak-Laurel	11	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
84	Oak-Laurel	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dieback</li> </ul>
85	Oak-Water	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
86	Oak-Laurel	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
87	Oak-Live	19	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Growing against object</li> </ul>
88	Pine-Loblolly	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Low live crown ratio</li> </ul>
89	Oak-Live	20,17	<ul style="list-style-type: none"> <li>• Decay-Stem</li> <li>• Cavity-root flare</li> <li>• Co-dominant leaders</li> </ul>
90	Oak-Laurel	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> </ul>
91	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> </ul>
92	Oak-Laurel	10	<ul style="list-style-type: none"> <li>• Lean</li> <li>• Uneven crown</li> </ul>
93	Oak-Laurel	10	<ul style="list-style-type: none"> <li>• Dead branches &gt;2</li> </ul>
94	Oak-Laurel	19	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Poor branch structure</li> </ul>
95	Oak-Water	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Cavity-branch</li> </ul>
96	Oak-Live	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Wound-stem</li> </ul>
97	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Dieback</li> </ul>
98	Oak-Laurel	15	<ul style="list-style-type: none"> <li>• Dead branches &gt;2</li> <li>• Co-dominant leaders</li> </ul>
99	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Lean</li> <li>• Wound-stem</li> </ul>
100	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Poor branch structure</li> </ul>
101	Oak-Laurel	8	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
102	Oak-Laurel	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> </ul>
103	Oak-Water	9	<ul style="list-style-type: none"> <li>• Lean</li> <li>• Dieback</li> </ul>
104	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Lean</li> <li>• Dead branches &gt;2</li> <li>• Hanger</li> </ul>



<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
<b>105</b>	Oak-Laurel	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Dead branches &gt;2</li> </ul>
<b>106</b>	Oak-Live	23,22,14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Dead branches &gt;2</li> </ul>
<b>107</b>	Pine-Slash	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Low live crown ratio</li> </ul>
<b>108</b>	Oak-Laurel	15,8	<ul style="list-style-type: none"> <li>• Poor branch structure</li> <li>• Dead branches &gt;2</li> </ul>
<b>109</b>	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Lean</li> <li>• Co-dominant leaders</li> <li>• Dead branches &gt;2</li> </ul>
<b>110</b>	Oak-Live	14,11	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Dead branches &gt;2</li> <li>• Lion tailing</li> </ul>
<b>111</b>	Pine-Loblolly	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Wound-stem</li> <li>• Dead branches &gt;2</li> </ul>
<b>112</b>	Oak-Laurel	20	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Dead branches &gt;2</li> <li>• Co-dominant leaders</li> </ul>
<b>113</b>	Oak-Laurel	9	<ul style="list-style-type: none"> <li>• Lean</li> <li>• Uneven crown</li> <li>• Co-dominant leaders</li> </ul>
<b>114</b>	Oak-Live	22	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Lion tailing</li> </ul>
<b>115</b>	Oak-Water	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Dead branches &lt;=2</li> </ul>
<b>116</b>	Oak-Laurel	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Uneven crown</li> </ul>
<b>117</b>	Oak-Live	29	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Decay-Stem</li> <li>• Dead branches &gt;2</li> <li>• Lion tailing</li> </ul>
<b>118</b>	Oak-Live	34	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Lion tailing</li> </ul>
<b>120</b>	Oak-Laurel	20	<ul style="list-style-type: none"> <li>• Overextended branch</li> <li>• Dead branches &gt;2</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
121	Oak-Water	12	<ul style="list-style-type: none"> <li>• Girdling roots present</li> <li>• Fungi/conks</li> <li>• Co-dominant leaders</li> </ul>
122	Oak-Water	13	<ul style="list-style-type: none"> <li>• Dead branches &gt;2</li> <li>• Corrected lean</li> </ul>
123	Oak-Water	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> </ul>
124	Pine-Slash	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>
125	Pine-Slash	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> </ul>
126	Oak-Water	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Wound-stem</li> <li>• Co-dominant leaders</li> </ul>
127	Oak-Live	4	<ul style="list-style-type: none"> <li>• Girdling roots present</li> </ul>
128	Pine-Slash	19	<ul style="list-style-type: none"> <li>• Uneven crown</li> </ul>
129	Pine-Longleaf	11	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> </ul>
130	Pine-Slash	7	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Topping/heading cuts</li> </ul>
131	Pine-Slash	17	<ul style="list-style-type: none"> <li>• Dead branches &gt;2</li> </ul>
132	Oak-Laurel	22	<ul style="list-style-type: none"> <li>• Dieback (severe)</li> <li>• Girdling roots present</li> </ul>
133	Pine-Slash	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Uneven crown</li> </ul>
134	Oak-Southern Red	12	<ul style="list-style-type: none"> <li>• Butt swell</li> <li>• Lean</li> <li>• Uneven crown</li> </ul>
135	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Dieback</li> <li>• Wound-stem</li> <li>• Topping/heading cuts</li> <li>• Hanger</li> </ul>
136	Oak-Laurel	13	<ul style="list-style-type: none"> <li>• Dieback</li> <li>• Suppressed</li> <li>• Uneven crown</li> <li>• Dead branches &gt;2</li> </ul>
137	Oak-Live	34,22	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Included bark</li> </ul>
138	Pine-Loblolly	21	<ul style="list-style-type: none"> <li>• Dead branches &gt;2</li> </ul>
139	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Dieback</li> <li>• Dead branches &gt;2</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
140	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Dieback</li> <li>• Dead branches &gt;2</li> <li>• Uneven crown</li> </ul>
141	Oak-Laurel	17	<ul style="list-style-type: none"> <li>• Dieback (severe)</li> <li>• Dead branches &gt;2</li> </ul>
142	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dieback</li> <li>• Poor branch structure</li> </ul>
143	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Fungi/conks</li> <li>• Flush cuts</li> </ul>
144	Pine-Slash	24	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> </ul>
145	Oak-Laurel	17	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Flush cuts</li> <li>• Corrected lean</li> </ul>
146	Oak-Live	31	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Uneven crown</li> </ul>
147	Pine-Slash	24	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> </ul>
148	Oak-Willow	12	<ul style="list-style-type: none"> <li>• Co-dominant leaders</li> <li>• Poor branch structure</li> </ul>
149	Crapemyrtle	2,3,3,3	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Topping/heading cuts</li> </ul>
150	Crapemyrtle	5,5,4,3	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Topping/heading cuts</li> </ul>
151	Oak-Laurel	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Suppressed</li> </ul>
152	Oak-Laurel	17	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dieback</li> <li>• Dead branches &lt;=2</li> </ul>
153	Oak-Laurel	18	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Co-dominant leaders</li> </ul>
155	Oak-Live	17	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
156	Oak-Live	18	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Uneven crown</li> <li>• Lion tailing</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
157	Oak-Live	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Uneven crown</li> <li>• Lion tailing</li> </ul>
158	Oak-Live	20	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Lion tailing</li> </ul>
159	Oak-Live	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Lion tailing</li> </ul>
160	Cherry	8	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> </ul>
161	Oak-Live	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Flush cuts</li> <li>• Lion tailing</li> <li>• Sweep</li> </ul>
162	Pine-Slash	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>
163	Oak-Laurel	14,10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Included bark</li> </ul>
165	Oak-Laurel	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dieback (severe)</li> </ul>
166	Oak-Laurel	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
167	Oak-Live	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Lion tailing</li> </ul>
168	Oak-Live	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Uneven crown</li> <li>• Lion tailing</li> </ul>
169	Oak-Laurel	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Fungi/conks</li> <li>• Wound-stem</li> </ul>
170	Oak-Laurel	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Fungi/conks</li> <li>• Dieback</li> <li>• Co-dominant leaders</li> </ul>
171	Oak-Laurel	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Included bark</li> </ul>
172	Oak-Live	20	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Decay-Stem</li> <li>• Decay-Branch</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
173	Oak-Live	27	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Wound-branch</li> <li>• Decay-Branch</li> <li>• Lion tailing</li> </ul>
174	Oak-Live	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> </ul>
175	Oak-Live	46	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Lion tailing</li> </ul>
176	Oak-Live	30	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Lion tailing</li> </ul>
177	Oak-Live	17,11	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
178	Oak-Live	25	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> </ul>
180	Oak-Laurel	18	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dieback</li> <li>• Poor branch structure</li> </ul>
183	Oak-Live	8	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>
185	Oak-Live	27	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
186	Oak-Live	18	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Lion tailing</li> </ul>
187	Oak-Live	27	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
188	Pine-Slash	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>
189	Oak-Laurel	11	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Wound-stem</li> <li>• Cavity-stem</li> <li>• Dieback</li> </ul>
190	Oak-Live	31	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Decay-Root flare</li> <li>• Co-dominant leaders</li> <li>• Lion tailing</li> </ul>
191	Oak-Live	23	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Included bark</li> </ul>
192	Oak-Laurel	19	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>
193	Oak-Live	23	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Uneven crown</li> </ul>
194	Oak-Live	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
197	Oak-Live	28	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
198	Oak-Live	20,16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> <li>• Co-dominant leaders</li> </ul>
199	Oak-Live	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
200	Oak-Live	19,12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Burl</li> <li>• Wound-stem</li> </ul>
201	Oak-Live	21	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Dead branches &gt;2</li> </ul>
202	Oak-Laurel	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> <li>• Dead branches &gt;2</li> <li>• Decay-Root flare</li> </ul>
203	Pine-Slash	21	<ul style="list-style-type: none"> <li>• Overextended branch</li> <li>• Dead branches &gt;2</li> </ul>
204	Oak-Live	21	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
205	Oak-Water	18	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Uneven crown</li> </ul>
206	Crapemyrtle	3,3,3	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
207	Pine-Slash	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
208	Oak-Live	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Decay-Root flare</li> <li>• Co-dominant leaders</li> <li>• Dead branches &gt;2</li> </ul>
209	Pine-Slash	23	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Low live crown ratio</li> </ul>
217	Oak-Live	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Burl</li> <li>• Sweep</li> <li>• Uneven crown</li> </ul>
218	Pine-Loblolly	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Wound-root flare</li> <li>• Sweep</li> </ul>
219	Oak-Laurel	18	<ul style="list-style-type: none"> <li>• Uneven crown</li> <li>• Co-dominant leaders</li> <li>• Cavity-Suspected</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
220	Pine-Loblolly	21	<ul style="list-style-type: none"> <li>• Dead branches &gt;2</li> <li>• Hanger</li> <li>• Uneven crown</li> </ul>
221	Oak-Southern Red	23	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
222	Oak-Laurel	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
223	Pine-Loblolly	18	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> </ul>
224	Pine-Loblolly	19	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> </ul>
225	Oak-Laurel	22	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
226	Oak-Live	19	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
227	Oak-Live	19	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Overextended branch</li> </ul>
228	Oak-Live	22	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> <li>• Lion tailing</li> </ul>
229	Pine-Slash	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Decay-Root flare</li> </ul>
230	Pine-Slash	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Sweep</li> </ul>
231	Pine-Slash	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>
232	Pine-Slash	19	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Wound-root flare</li> <li>• Uneven crown</li> </ul>
233	Pine-Slash	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>
234	Pine-Slash	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
235	Pine-Slash	14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> </ul>
236	Pine-Slash	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Included bark</li> <li>• Growing against object</li> <li>• Uneven crown</li> </ul>
237	Pine-Slash	17	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Included bark</li> <li>• Growing against object</li> <li>• Dead branches &gt;2</li> </ul>
238	Pine-Slash	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Sweep</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
239	Oak-Laurel	19	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Decay-Stem</li> <li>• Decay-Branch</li> </ul>
240	Pine-Slash	8	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Uneven crown</li> </ul>
241	Pine-Slash	20	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Wound-stem</li> <li>• Uneven crown</li> </ul>
242	Oak-Water	7	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Uneven crown</li> </ul>
243	Pine-Slash	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Wound-root flare</li> <li>• Dead branches &gt;2</li> </ul>
244	Oak-Live	22	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Suppressed</li> <li>• Sweep</li> <li>• Seam</li> <li>• Poor branch structure</li> </ul>
245	Crapemyrtle	3,3,3	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Topping/heading cuts</li> </ul>
246	Crapemyrtle	4,4	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Topping/heading cuts</li> </ul>
247	Crapemyrtle	2,2	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Topping/heading cuts</li> <li>• Dead branches &gt;2</li> </ul>
248	Oak-Live	24	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
249	Oak-Laurel	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Fungi/conks</li> <li>• Dieback</li> <li>• Uneven crown</li> </ul>
251	Oak-Live	21	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Uneven crown</li> </ul>
252	Oak-Laurel	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dieback</li> <li>• Uneven crown</li> </ul>
253	Oak-Live	22,25	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant stems</li> <li>• Co-dominant leaders</li> </ul>
254	Oak-Live	21,14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> </ul>



<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
256	Oak-Live	18,14	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Lion tailing</li> <li>• Cavity-root flare</li> </ul>
257	Oak-Laurel	20	<ul style="list-style-type: none"> <li>• Dieback (severe)</li> <li>• Fungi/conks</li> <li>• Poor branch structure</li> </ul>
261	Oak-Water	8	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Sweep</li> </ul>
262	Oak-Laurel	11	<ul style="list-style-type: none"> <li>• Dieback</li> </ul>
263	Oak-Live	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Uneven crown</li> </ul>
264	Oak-Live	10	<ul style="list-style-type: none"> <li>• Uneven crown</li> <li>• Poor branch structure</li> </ul>
265	Oak-Laurel	13	<ul style="list-style-type: none"> <li>• Cavity-root flare</li> </ul>
266	Oak-Laurel	8,6	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> </ul>
268	Oak-Laurel	7	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Cavity-stem</li> </ul>
269	Oak-Laurel	6	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
270	Oak-Laurel	8	<ul style="list-style-type: none"> <li>• Suppressed</li> <li>• Uneven crown</li> </ul>
271	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Lean</li> </ul>
272	Oak-Laurel	9	<ul style="list-style-type: none"> <li>• Dieback</li> <li>• Uneven crown</li> </ul>
273	Oak-Laurel	6	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Dieback</li> </ul>
275	Oak-Water	7	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>
276	Oak-Laurel	8	<ul style="list-style-type: none"> <li>• Sweep</li> <li>• Uneven crown</li> </ul>
277	Oak-Laurel	21	<ul style="list-style-type: none"> <li>• Dieback</li> <li>• Topping/heading cuts</li> <li>• Uneven crown</li> </ul>
278	Oak-Water	8	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Uneven crown</li> </ul>
279	Oak-Laurel	11	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Uneven crown</li> </ul>
280	Oak-Laurel	11	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Included bark</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
281	Oak-Laurel	7	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>
282	Pine-Slash	8	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Sweep</li> <li>• Lean</li> <li>• Dead branches &gt;2</li> </ul>
283	Pine-Slash	6	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Corrected lean</li> </ul>
284	Pine-Slash	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> </ul>
285	Oak-Laurel	8	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
286	Oak-Laurel	8	<ul style="list-style-type: none"> <li>• Poor branch structure</li> <li>• Buried root collar</li> </ul>
287	Pine-Loblolly	6	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Low live crown ratio</li> </ul>
288	Oak-Laurel	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Wound-stem</li> <li>• Co-dominant leaders</li> </ul>
289	Oak-Laurel	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Poor branch structure</li> </ul>
290	Oak-Live	7	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
291	Oak-Laurel	23	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Cavity-stem</li> <li>• Dead branches &gt;2</li> </ul>
292	Oak-Laurel	11	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Sweep</li> </ul>
293	Pine-Loblolly	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Sweep</li> <li>• Uneven crown</li> </ul>
295	Oak-Laurel	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Included bark</li> </ul>
296	Oak-Laurel	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
297	Oak-Live	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Suppressed</li> </ul>
298	Oak-Laurel	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
299	Oak-Laurel	17	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Poor branch structure</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
300	Oak-Laurel	13	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Sweep</li> <li>• Co-dominant leaders</li> </ul>
301	Oak-Live	15	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lean</li> <li>• Lion tailing</li> </ul>
302	Oak-Laurel	7	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Flush cuts</li> </ul>
303	Oak-Laurel	17	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Sweep</li> </ul>
304	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
305	Oak-Laurel	11	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
306	Oak-Laurel	17	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Lion tailing</li> <li>• Included bark</li> <li>• Co-dominant leaders</li> </ul>
307	Oak-Laurel	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
308	Oak-Laurel	21	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Uneven crown</li> </ul>
309	Pine-Slash	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Sweep</li> <li>• Low live crown ratio</li> </ul>
310	Oak-Laurel	13	<ul style="list-style-type: none"> <li>• Lean</li> <li>• Sweep</li> <li>• Uneven crown</li> </ul>
311	Oak-Live	21	<ul style="list-style-type: none"> <li>• Uneven crown</li> <li>• Co-dominant leaders</li> </ul>
312	Pine-Slash	19	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dieback</li> <li>• Wound-stem</li> </ul>
313	Oak-Laurel	21	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> <li>• Dead branches &gt;2</li> </ul>
314	Pine-Longleaf	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>
315	Oak-Laurel	16	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> </ul>

Tree ID	Common Name	DBH	Defect(s) or Observation(s)
316	Oak-Live	31	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Decay-Root flare</li> <li>Included bark</li> <li>Lion tailing</li> </ul>
317	Pine-Slash	14	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Uneven crown</li> <li>Wound-stem</li> </ul>
318	Oak-Laurel	19	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Cavity-stem</li> <li>Poor branch structure</li> </ul>
319	Pine-Loblolly	16	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Dead branches &gt;2</li> </ul>
320	Pine-Loblolly	13	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Dead branches &gt;2</li> </ul>
321	Pine-Loblolly	7	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Uneven crown</li> </ul>
322	Pine-Loblolly	11	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Dead branches &gt;2</li> </ul>
323	Pine-Loblolly	12	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Dead branches &gt;2</li> </ul>
324	Pine-Loblolly	11	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Sweep</li> <li>Uneven crown</li> </ul>
325	Pine-Slash	12	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Suppressed</li> <li>Dead branches &gt;2</li> </ul>
326	Pine-Slash	20	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Uneven crown</li> </ul>
327	Pine-Slash	14	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Wound-stem</li> <li>Dead branches &gt;2</li> </ul>
328	Oak-Laurel	14	<ul style="list-style-type: none"> <li>Corrected lean</li> </ul>
329	Sweetgum	7	<ul style="list-style-type: none"> <li>Co-dominant leaders</li> </ul>
330	Sweetgum	9	<ul style="list-style-type: none"> <li>Sweep</li> </ul>
331	Oak-Water	10	<ul style="list-style-type: none"> <li>Uneven crown</li> <li>Dead branches &gt;2</li> </ul>
332	Sweetgum	10	<ul style="list-style-type: none"> <li>Poor branch structure</li> </ul>
333	Sweetgum	8	<ul style="list-style-type: none"> <li>Co-dominant leaders</li> </ul>
334	Oak-Water	8	<ul style="list-style-type: none"> <li>Dead branches &gt;2</li> <li>Poor branch structure</li> <li>Cavity-root flare</li> </ul>
335	Oak-Water	5	<ul style="list-style-type: none"> <li>Dieback (severe)</li> </ul>
336	Oak-Water	14	<ul style="list-style-type: none"> <li>Corrected lean</li> </ul>

Tree ID	Common Name	DBH	Defect(s) or Observation(s)
337	Maple-Red	13,6,10	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Co-dominant leaders</li> <li>Included bark</li> <li>Sweep</li> </ul>
338	Sweetgum	11	<ul style="list-style-type: none"> <li>Co-dominant leaders</li> <li>Dead branches &gt;2</li> </ul>
339	Oak-Water	6	<ul style="list-style-type: none"> <li>Co-dominant leaders</li> <li>Dead branches &lt;=2</li> </ul>
340	Sweetgum	11	<ul style="list-style-type: none"> <li>Co-dominant leaders</li> <li>Dead branches &gt;2</li> </ul>
341	Sweetgum	3	<ul style="list-style-type: none"> <li>Suppressed</li> </ul>
342	Sweetgum	7	<ul style="list-style-type: none"> <li>Co-dominant leaders</li> </ul>
343	Maple-Red	23	<ul style="list-style-type: none"> <li>Cavity-root flare</li> <li>Cavity-stem</li> <li>Hanger</li> <li>Dead branches &gt;2</li> </ul>
344	Pine-Slash	11	<ul style="list-style-type: none"> <li>Sweep</li> <li>Uneven crown</li> </ul>
345	Oak-Water	8	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Uneven crown</li> <li>Poor branch structure</li> </ul>
346	Sweetgum	9	<ul style="list-style-type: none"> <li>Dead branches &gt;2</li> </ul>
347	Oak-Water	4	<ul style="list-style-type: none"> <li>Sweep</li> </ul>
348	Sweetgum	7	<ul style="list-style-type: none"> <li>Corrected lean</li> </ul>
349	Oak-Water	8	<ul style="list-style-type: none"> <li>Sweep</li> <li>Cavity-stem</li> </ul>
350	Oak-Water	8	<ul style="list-style-type: none"> <li>Sweep</li> <li>Co-dominant leaders</li> </ul>
351	Sweetgum	7	<ul style="list-style-type: none"> <li>Co-dominant leaders</li> <li>Poor branch structure</li> </ul>
352	Sweetgum	6	<ul style="list-style-type: none"> <li>Corrected lean</li> <li>Decay-Stem</li> </ul>
353	Pine-Slash	23	<ul style="list-style-type: none"> <li>Dead branches &gt;2</li> </ul>
356	Sweetgum	14	<ul style="list-style-type: none"> <li>Growing against object</li> <li>Uneven crown</li> </ul>
357	Pine-Longleaf	19	<ul style="list-style-type: none"> <li>Dead branches &gt;2</li> </ul>
358	Oak-Water	9	<ul style="list-style-type: none"> <li>Buried root collar</li> <li>Dead branches &gt;2</li> <li>Suppressed</li> </ul>
359	Oak-Live	26,22	<ul style="list-style-type: none"> <li>Co-dominant leaders</li> <li>Buried root collar</li> </ul>
360	Oak-Laurel	19	<ul style="list-style-type: none"> <li>Co-dominant leaders</li> </ul>
361	Oak-Laurel	16	<ul style="list-style-type: none"> <li>Dieback</li> <li>Wound-branch</li> </ul>

<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
362	Oak-Laurel	10	<ul style="list-style-type: none"> <li>• Uneven crown</li> <li>• Lean</li> </ul>
363	Oak-Water	9	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
365	Pine-Slash	17	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> </ul>
366	Oak-Water	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Co-dominant leaders</li> </ul>
367	Oak-Laurel	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Uneven crown</li> <li>• Co-dominant leaders</li> </ul>
369	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Co-dominant leaders</li> </ul>
370	Oak-Laurel	11	<ul style="list-style-type: none"> <li>• Corrected lean</li> </ul>
371	Oak-Laurel	12,9	<ul style="list-style-type: none"> <li>• Co-dominant leaders</li> <li>• Topping/heading cuts</li> <li>• Lion tailing</li> </ul>
372	Oak-Laurel	16,11	<ul style="list-style-type: none"> <li>• Co-dominant leaders</li> <li>• Dead branches &gt;2</li> </ul>
373	Oak-Laurel	8	<ul style="list-style-type: none"> <li>• Dead branches &gt;2</li> <li>• Dieback</li> </ul>
374	Oak-Water	8,7	<ul style="list-style-type: none"> <li>• Dead branches &gt;2</li> <li>• Co-dominant stems</li> </ul>
375	Oak-Live	23	<ul style="list-style-type: none"> <li>• Cavity-stem</li> <li>• Decay-Stem</li> <li>• Lean</li> </ul>
376	Oak-Live	19	<ul style="list-style-type: none"> <li>• Cavity-stem</li> <li>• Decay-Branch</li> <li>• Co-dominant leaders</li> <li>• Buried root collar</li> </ul>
377	Oak-Live	10	<ul style="list-style-type: none"> <li>• Dieback</li> <li>• Uneven crown</li> </ul>
378	Pine-Slash	13	<ul style="list-style-type: none"> <li>• Uneven crown</li> <li>• Corrected lean</li> </ul>
379	Oak-Laurel	21	<ul style="list-style-type: none"> <li>• Lean</li> <li>• Uneven crown</li> </ul>
380	Oak-Laurel	11,11	<ul style="list-style-type: none"> <li>• Co-dominant stems</li> <li>• Dead branches &gt;2</li> </ul>
381	Oak-Laurel	13	<ul style="list-style-type: none"> <li>• Uneven crown</li> <li>• Lean</li> </ul>
382	Oak-Water	11	<ul style="list-style-type: none"> <li>• Sweep</li> <li>• Poor branch structure</li> </ul>
383	Oak-Laurel	7	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Suppressed</li> </ul>

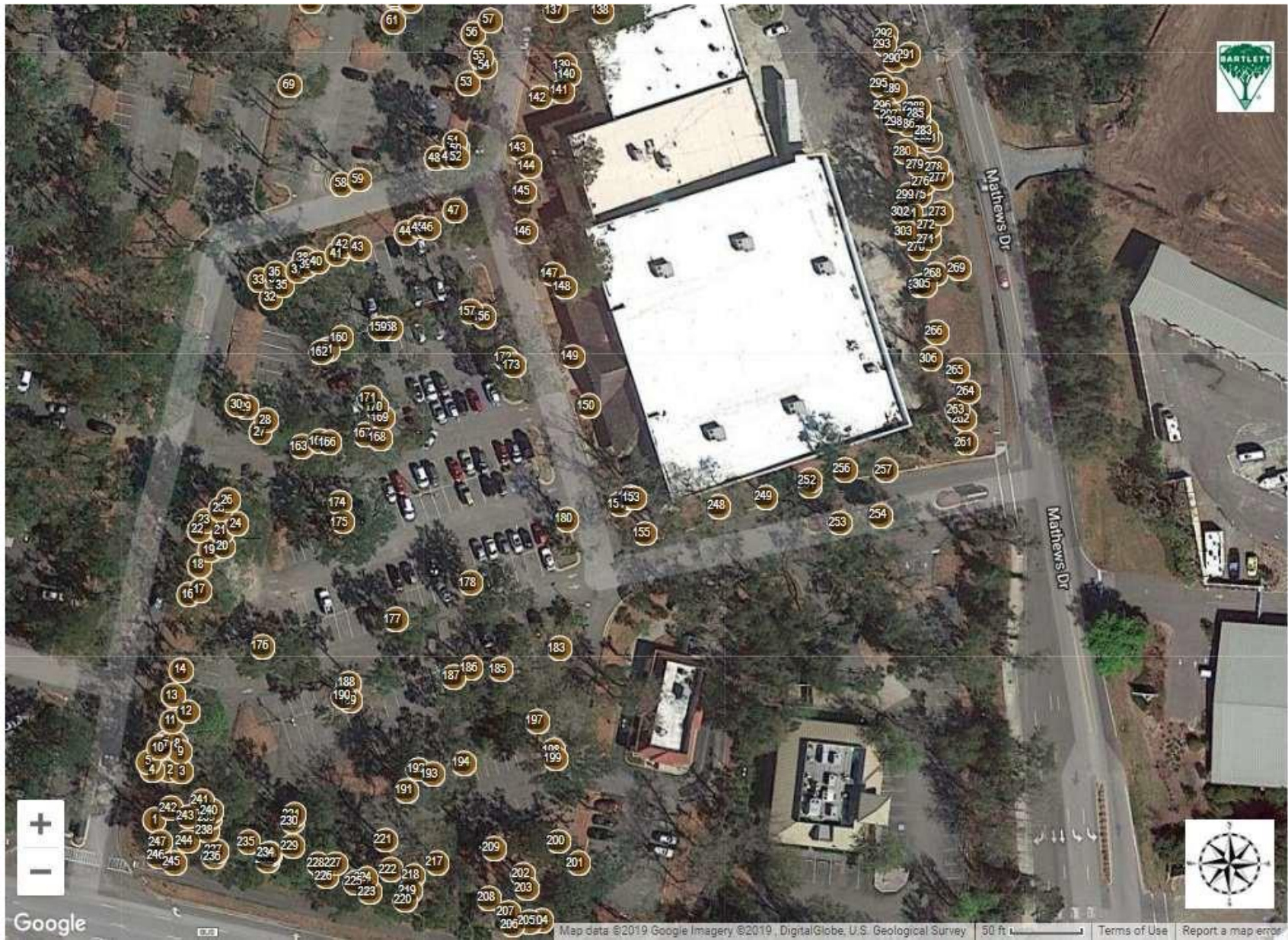
<b>Tree ID</b>	<b>Common Name</b>	<b>DBH</b>	<b>Defect(s) or Observation(s)</b>
384	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Dead branches &gt;2</li> </ul>
385	Oak-Live	29	<ul style="list-style-type: none"> <li>• Cavity-root flare</li> <li>• Cavity-stem</li> <li>• Co-dominant leaders</li> <li>• Uneven crown</li> </ul>
386	Oak-Water	10	<ul style="list-style-type: none"> <li>• Buried root collar</li> <li>• Poor branch structure</li> <li>• Flush cuts</li> </ul>
387	Oak-Laurel	16	<ul style="list-style-type: none"> <li>• Wound-stem</li> <li>• Low live crown ratio</li> <li>• Corrected lean</li> </ul>
388	Oak-Laurel	11	<ul style="list-style-type: none"> <li>• Storm damage</li> <li>• Corrected lean</li> </ul>
390	Oak-Live	17,17,13	<ul style="list-style-type: none"> <li>• Co-dominant leaders</li> <li>• Dieback</li> <li>• Dead branches &gt;2</li> </ul>
391	Cherry	5	<ul style="list-style-type: none"> <li>• Buried root collar</li> </ul>
392	Oak-Laurel	13	<ul style="list-style-type: none"> <li>• Corrected lean</li> <li>• Dead branches &gt;2</li> </ul>
393	Pine-Slash	10	<ul style="list-style-type: none"> <li>• Corrected lean</li> </ul>
394	Oak-Laurel	11	<ul style="list-style-type: none"> <li>• Corrected lean</li> </ul>
395	Oak-Laurel	19	<ul style="list-style-type: none"> <li>• Corrected lean</li> </ul>
396	Oak-Live	8	<ul style="list-style-type: none"> <li>• Decay-Root flare</li> <li>• Corrected lean</li> </ul>
397	Oak-Live	8	<ul style="list-style-type: none"> <li>• Topping/heading cuts</li> </ul>
398	Oak-Live	31	<ul style="list-style-type: none"> <li>• Co-dominant leaders</li> <li>• Cavity-stem</li> </ul>
399	Oak-Laurel	16	<ul style="list-style-type: none"> <li>• Co-dominant leaders</li> </ul>
400	Oak-Water	9	<ul style="list-style-type: none"> <li>• Corrected lean</li> <li>• Co-dominant leaders</li> </ul>
401	Oak-Water	11	<ul style="list-style-type: none"> <li>• Suppressed</li> <li>• Sweep</li> </ul>
403	Oak-Laurel	15	<ul style="list-style-type: none"> <li>• Lean</li> <li>• Co-dominant leaders</li> </ul>
404	Oak-Laurel	12	<ul style="list-style-type: none"> <li>• Co-dominant leaders</li> <li>• Dead branches &gt;2</li> </ul>
405	Pine-Slash	19	<ul style="list-style-type: none"> <li>• Dead branches &gt;2</li> </ul>
406	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Sweep</li> <li>• Dead branches &gt;2</li> </ul>
407	Oak-Water	11	<ul style="list-style-type: none"> <li>• Dead branches &gt;2</li> </ul>
408	Oak-Laurel	14	<ul style="list-style-type: none"> <li>• Co-dominant leaders</li> <li>• Dead branches &gt;2</li> </ul>

# INVENTORIED TREES WITH DEFECTS, OBSERVATIONS, OR OTHER STRUCTURAL ISSUES (NORTH)





# INVENTORIED TREES WITH DEFECTS, OBSERVATIONS, OR OTHER STRUCTURAL ISSUES (SOUTH)



## Specimen Trees

We identified the following three trees that met the definition of “Specimen Tree” as defined by the Town of Hilton Head Island, SC Tree Protection ordinance, specifically as shown in Table 16-6-104.F.1, Specimen Trees.

### SPECIMEN TREE BREAKDOWN

<b>Tree ID</b>	<b>Common Name</b>	<b>Condition</b>	<b>Significant Tree</b>	<b>Estimated Value</b>	<b>DBH</b>
72	Live Oak	Good	Specimen	\$38,019.71	35
82	Live Oak	Good	Specimen	\$73,958.87	58
175	Live Oak	Good	Specimen	\$57,019.43	46

# SPECIMEN TREE MAP



# ENTIRE INVENTORY



**ENTIRE INVENTORY (408 Trees)**

<b>Tree ID</b>	<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>DBH</b>	<b>Height Class</b>	<b>Age Class</b>	<b>Stems</b>	<b>Condition Class</b>	<b>Tree Asset Value</b>
1	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	22	Large	Mature	1	Good	\$13,106.41
2	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12,13	Large	Semi-mature	1	Poor	\$3,632.50
3	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	18	Large	Mature	1	Poor	\$3,760.16
4	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11	Medium	Mature	1	Good	\$3,276.60
5	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Good	\$3,899.43
6	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Poor	\$1,671.18
7	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	10	Large	Semi-mature	1	Poor	\$1,160.54
8	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	10	Large	Semi-mature	1	Good	\$2,707.94
9	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Poor	\$1,671.18
10	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Poor	\$1,671.18
11	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	18	Large	Mature	1	Good	\$8,773.71
12	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	17	Large	Mature	1	Poor	\$3,353.97
13	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	15	Medium	Semi-mature	1	Poor	\$2,611.22
14	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	16	Large	Semi-mature	1	Poor	\$2,970.99
15	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	19	Small	Semi-mature	1	Good	\$10,997.61
16	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	15	Large	Semi-mature	1	Poor	\$2,611.22
17	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	10	Medium	Semi-mature	1	Good	\$2,707.94
18	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	15	Large	Semi-mature	1	Poor	\$2,611.22
19	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	20	Large	Semi-mature	1	Poor	\$4,642.18
20	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	18	Large	Mature	1	Good	\$8,773.71

Tree ID	Common Name	Genus	Species	DBH	Height Class	Age Class	Stems	Condition Class	Tree Asset Value
21	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11	Large	Semi-mature	1	Poor	\$1,404.26
22	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	16	Large	Mature	1	Poor	\$2,970.99
23	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	15	Large	Mature	1	Good	\$6,092.86
24	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	10	Large	Semi-mature	1	Poor	\$1,160.54
25	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	15	Large	Semi-mature	1	Poor	\$2,611.22
26	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Semi-mature	1	Poor	\$2,274.67
27	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Good	\$3,899.43
28	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	18	Large	Mature	1	Good	\$3,838.50
29	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	19	Large	Mature	1	Poor	\$4,189.56
30	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Semi-mature	1	Poor	\$2,274.67
31	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	21	Small	Semi-mature	1	Good	\$13,434.75
32	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	17	Large	Semi-mature	1	Good	\$9,293.30
33	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	13	Large	Semi-mature	1	Good	\$5,434.49
34	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	15	Large	Semi-mature	1	Good	\$7,235.27
35	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	10	Medium	Semi-mature	1	Poor	\$1,378.15
36	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	17	Large	Semi-mature	1	Good	\$9,293.30
37	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	15	Large	Mature	1	Good	\$6,092.86
38	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	21	Large	Mature	1	Good	\$11,942.00
39	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Good	\$3,899.43
40	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Semi-mature	1	Poor	\$2,274.67
41	Crapemyrtle	<i>Lagerstroemia</i>	sp.	2,2	Small	Young	1	Good	\$243.71
42	Crapemyrtle	<i>Lagerstroemia</i>	sp.	3,2,2	Small	Young	1	Good	\$517.89
43	Crapemyrtle	<i>Lagerstroemia</i>	sp.	3,3	Small	Young	1	Good	\$548.36

Tree ID	Common Name	Genus	Species	DBH	Height Class	Age Class	Stems	Condition Class	Tree Asset Value
44	Crapemyrtle	<i>Lagerstroemia</i>	sp.	3,3	Small	Young	1	Good	\$548.36
45	Crapemyrtle	<i>Lagerstroemia</i>	sp.	4,3	Small	Young	1	Poor	\$326.40
46	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11	Medium	Semi-mature	1	Poor	\$1,404.26
47	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	15	Large	Semi-mature	1	Good	\$6,092.86
48	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Semi-mature	1	Poor	\$2,274.67
49	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	14	Large	Mature	1	Good	\$2,322.06
50	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	14	Large	Mature	1	Good	\$2,322.06
51	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	10	Large	Semi-mature	1	Good	\$1,184.72
52	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	10	Large	Semi-mature	1	Good	\$1,184.72
53	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	17	Large	Mature	1	Good	\$9,293.30
54	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	15	Large	Semi-mature	1	Poor	\$2,611.22
55	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	9	Medium	Semi-mature	1	Good	\$2,193.43
56	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Poor	\$1,671.18
57	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	9	Large	Semi-mature	1	Good	\$2,193.43
58	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Semi-mature	1	Poor	\$2,274.67
59	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Semi-mature	1	Poor	\$2,274.67
60	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	18	Small	Semi-mature	1	Good	\$9,870.43
61	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	16	Large	Mature	1	Good	\$6,932.32
62	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	12	Large	Semi-mature	1	Poor	\$1,671.18
63	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	11	Large	Semi-mature	1	Good	\$3,276.60
64	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	14	Large	Semi-mature	1	Good	\$5,307.55

Tree ID	Common Name	Genus	Species	DBH	Height Class	Age Class	Stems	Condition Class	Tree Asset Value
65	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	9	Large	Semi-mature	1	Good	\$2,193.43
66	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	22	Large	Mature	1	Poor	\$5,617.03
67	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	19	Large	Mature	1	Good	\$9,775.65
68	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	13	Medium	Semi-mature	1	Poor	\$1,961.32
69	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	21	Large	Mature	1	Good	\$14,181.12
70	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Poor	\$1,671.18
71	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	10	Medium	Semi-mature	1	Poor	\$1,160.54
72	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	35	Large	Mature	1	Good	\$38,019.71
73	Oak-Water	<i>Quercus</i>	<i>nigra</i>	8	Medium	Semi-mature	1	Poor	\$626.69
74	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	8	Medium	Semi-mature	1	Poor	\$742.75
75	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	8	Medium	Semi-mature	1	Good	\$1,733.08
76	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	9	Medium	Semi-mature	1	Good	\$2,193.43
77	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	10	Large	Semi-mature	1	Poor	\$1,160.54
78	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Semi-mature	1	Poor	\$2,274.67
79	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	10	Medium	Semi-mature	1	Poor	\$1,378.15
80	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	13	Medium	Semi-mature	1	Poor	\$1,961.32
81	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	8	Medium	Semi-mature	1	Good	\$1,733.08
82	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	58	Large	Mature	1	Good	\$73,958.86
83	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11	Medium	Semi-mature	1	Good	\$3,276.60
84	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	10	Large	Semi-mature	1	Poor	\$1,160.54
85	Oak-Water	<i>Quercus</i>	<i>nigra</i>	9	Large	Semi-mature	1	Good	\$1,850.70



<b>Tree ID</b>	<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>DBH</b>	<b>Height Class</b>	<b>Age Class</b>	<b>Stems</b>	<b>Condition Class</b>	<b>Tree Asset Value</b>
86	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	10	Large	Semi-mature	1	Good	\$2,707.94
87	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	19	Large	Mature	1	Good	\$11,608.58
88	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	16	Large	Mature	1	Good	\$6,932.32
89	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	20,17	Large	Mature	1	Poor	\$9,495.43
90	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	15	Large	Mature	1	Poor	\$2,611.22
91	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Mature	1	Poor	\$2,274.67
92	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	10	Large	Semi-mature	1	Poor	\$1,160.54
93	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	10	Large	Semi-mature	1	Poor	\$1,160.54
94	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	19	Large	Mature	1	Good	\$9,775.65
95	Oak-Water	<i>Quercus</i>	<i>nigra</i>	10	Medium	Semi-mature	1	Poor	\$979.21
96	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	12	Large	Semi-mature	1	Poor	\$1,984.53
97	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Semi-mature	1	Poor	\$2,274.67
98	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	15	Large	Semi-mature	1	Poor	\$2,611.22
99	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Poor	\$1,671.18
100	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Poor	\$1,671.18
101	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	8	Large	Semi-mature	1	Good	\$1,733.08
102	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	9	Large	Semi-mature	1	Good	\$2,193.43
103	Oak-Water	<i>Quercus</i>	<i>nigra</i>	9	Large	Semi-mature	1	Poor	\$793.16
104	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Poor	\$1,671.18
105	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	13	Large	Semi-mature	1	Poor	\$1,961.32
106	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	23,22,14	Large	Mature	1	Good	\$38,877.50
107	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	16	Large	Mature	1	Good	\$3,032.89

<b>Tree ID</b>	<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>DBH</b>	<b>Height Class</b>	<b>Age Class</b>	<b>Stems</b>	<b>Condition Class</b>	<b>Tree Asset Value</b>
108	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	15,8	Large	Semi-mature	2	Good	\$7,825.94
109	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Semi-mature	1	Poor	\$2,274.67
110	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	14,11	Large	Mature	1	Good	\$10,193.69
111	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	16	Large	Mature	1	Poor	\$2,970.99
112	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	20	Large	Mature	1	Poor	\$4,642.18
113	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	9	Large	Semi-mature	1	Poor	\$940.04
114	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	22	Large	Mature	1	Good	\$15,563.86
115	Oak-Water	<i>Quercus</i>	<i>nigra</i>	9	Large	Semi-mature	1	Poor	\$793.16
116	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	13	Large	Semi-mature	1	Poor	\$1,961.32
117	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	29	Large	Mature	1	Good	\$27,043.82
118	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	34	Large	Mature	1	Good	\$36,127.79
119	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	19	Medium	Mature	1	Good	\$10,997.61
120	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	20	Large	Mature	1	Good	\$10,831.74
121	Oak-Water	<i>Quercus</i>	<i>nigra</i>	12	Large	Semi-mature	1	Poor	\$1,410.06
122	Oak-Water	<i>Quercus</i>	<i>nigra</i>	13	Large	Semi-mature	1	Poor	\$1,654.86
123	Oak-Water	<i>Quercus</i>	<i>nigra</i>	10	Large	Semi-mature	1	Good	\$2,284.82
124	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	15	Large	Semi-mature	1	Good	\$2,665.62
125	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	13	Large	Semi-mature	1	Good	\$2,002.18
126	Oak-Water	<i>Quercus</i>	<i>nigra</i>	16	Large	Semi-mature	1	Poor	\$2,506.78
127	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	4	Small	Young	1	Good	\$514.51
128	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	19	Large	Mature	1	Good	\$4,276.85
129	Pine-Longleaf	<i>Pinus</i>	<i>palustris</i>	11	Large	Semi-mature	1	Good	\$3,583.78
130	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	7	Large	Semi-mature	1	Poor	\$248.79

Tree ID	Common Name	Genus	Species	DBH	Height Class	Age Class	Stems	Condition Class	Tree Asset Value
131	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	17	Large	Mature	1	Poor	\$1,467.36
132	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	22	Large	Mature	1	Poor	\$5,617.03
133	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	13	Large	Mature	1	Poor	\$858.08
134	Oak-Southern Red	<i>Quercus</i>	<i>falcata</i>	12	Medium	Semi-mature	1	Good	\$3,533.86
	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Semi-mature	1	Poor	\$2,274.67
136	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	13	Large	Semi-mature	1	Poor	\$1,961.32
137	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	34,22	Large	Mature	1	Good	\$51,691.65
138	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	21	Large	Mature	1	Good	\$11,942.00
139	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Mature	1	Poor	\$2,274.67
	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Poor	\$1,671.18
141	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	17	Large	Mature	1	Poor	\$3,353.97
142	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Poor	\$1,671.18
143	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Semi-mature	1	Poor	\$2,274.67
144	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	24	Large	Mature	1	Good	\$6,824.00
	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	17	Large	Mature	1	Good	\$7,825.94
146	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	31	Large	Mature	1	Good	\$30,287.35
147	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	24	Large	Mature	1	Good	\$6,824.00
148	Oak-Willow	<i>Quercus</i>	<i>phellos</i>	12	Medium	Semi-mature	1	Good	\$4,265.00
149	Crapemyrtle	<i>Lagerstroemia</i>	sp.	2,3,3,3	Small	Young	3	Good	\$944.39
	Crapemyrtle	<i>Lagerstroemia</i>	sp.	5,5,4,3	Small	Semi-mature	2	Good	\$2,284.82
151	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	15	Large	Semi-mature	1	Poor	\$2,611.22
152	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	17	Large	Mature	1	Poor	\$3,353.97
153	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	18	Large	Mature	1	Good	\$8,773.71
154	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	17	Small	Semi-mature	1	Good	\$8,804.18
	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	17	Large	Mature	1	Good	\$9,293.30
156	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	18	Large	Semi-mature	1	Good	\$10,418.78

<b>Tree ID</b>	<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>DBH</b>	<b>Height Class</b>	<b>Age Class</b>	<b>Stems</b>	<b>Condition Class</b>	<b>Tree Asset Value</b>
157	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	16	Large	Semi-mature	1	Good	\$8,232.13
158	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	20	Large	Semi-mature	1	Good	\$12,862.70
159	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	16	Large	Semi-mature	1	Good	\$8,232.13
160	Cherry	<i>Prunus</i>	sp.	8	Large	Semi-mature	1	Good	\$1,516.44
161	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	16	Large	Semi-mature	1	Good	\$8,232.13
162	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	15	Large	Mature	1	Good	\$2,665.62
163	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14,10	Large	Mature	1	Good	\$8,015.49
164	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	18	Medium	Semi-mature	1	Good	\$9,870.43
165	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	13	Medium	Semi-mature	1	Poor	\$1,961.32
166	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	13	Large	Semi-mature	1	Good	\$4,576.41
167	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	16	Large	Semi-mature	1	Good	\$8,232.13
168	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	16	Large	Semi-mature	1	Good	\$8,232.13
169	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	13	Large	Semi-mature	1	Poor	\$1,961.32
170	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	9	Large	Semi-mature	1	Poor	\$940.04
171	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	15	Large	Semi-mature	1	Good	\$6,092.86
172	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	20	Large	Mature	1	Good	\$12,862.70
173	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	27	Large	Mature	1	Good	\$23,442.26
174	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	13	Large	Semi-mature	1	Good	\$5,434.49
175	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	46	Large	Mature	1	Good	\$57,019.43
176	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	30	Large	Mature	1	Good	\$28,941.07
177	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	17,11	Large	Mature	1	Good	\$13,184.26
178	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	25	Large	Mature	1	Good	\$20,097.96

Tree ID	Common Name	Genus	Species	DBH	Height Class	Age Class	Stems	Condition Class	Tree Asset Value
179	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	16	Medium	Semi-mature	1	Good	\$7,798.86
	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	18	Large	Mature	1	Good	\$8,773.71
181	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	18	Small	Semi-mature	1	Good	\$9,870.43
182	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	16	Small	Semi-mature	1	Good	\$7,798.86
183	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	8	Medium	Young	1	Good	\$2,058.03
184	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	16	Medium	Semi-mature	1	Good	\$7,798.86
	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	27	Large	Mature	1	Good	\$23,442.26
186	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	18	Large	Semi-mature	1	Good	\$10,418.78
187	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	27	Large	Mature	1	Good	\$23,442.26
188	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	15	Large	Mature	1	Good	\$2,665.62
189	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11	Medium	Semi-mature	1	Poor	\$1,404.26
	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	31	Large	Mature	1	Good	\$30,287.35
191	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	23	Large	Mature	1	Good	\$17,010.92
192	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	19	Large	Mature	1	Good	\$9,775.65
193	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	23	Large	Mature	1	Good	\$17,010.92
194	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	9	Medium	Young	1	Good	\$2,604.70
	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	15	Medium	Semi-mature	1	Good	\$6,854.46
196	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	17	Medium	Semi-mature	1	Good	\$8,804.18
197	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	28	Large	Mature	1	Good	\$25,210.88
198	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	20,16	Large	Mature	1	Good	\$21,094.82
199	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	16	Large	Mature	1	Good	\$8,232.13
	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	19,12	Large	Mature	1	Good	\$16,239.15
201	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	21	Large	Mature	1	Good	\$14,181.12
202	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	16	Large	Mature	1	Poor	\$2,970.99
203	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	21	Large	Mature	1	Good	\$5,224.62
204	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	21	Large	Mature	1	Good	\$14,181.12
205	Oak-Water	<i>Quercus</i>	<i>nigra</i>	18	Large	Mature	1	Poor	\$3,172.64
206	Crapemyrtle	<i>Lagerstroemia</i>	sp.	3,3,3	Small	Semi-mature	3	Good	\$822.54

Tree ID	Common Name	Genus	Species	DBH	Height Class	Age Class	Stems	Condition Class	Tree Asset Value
207	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	12	Large	Semi-mature	1	Good	\$1,706.00
208	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	15	Large	Semi-mature	1	Good	\$7,235.27
209	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	23	Large	Mature	1	Good	\$6,267.18
210	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	9	Medium	Mature	1	Good	\$2,467.61
211	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	10	Medium	Mature	1	Good	\$3,046.43
212	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	10	Medium	Mature	1	Good	\$3,046.43
213	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	8	Medium	Mature	1	Good	\$1,949.71
214	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	8	Medium	Mature	1	Good	\$1,949.71
215	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	11	Medium	Mature	1	Good	\$3,686.18
216	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	9	Medium	Mature	1	Good	\$2,467.61
217	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	14	Large	Semi-mature	1	Poor	\$2,701.17
218	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	16	Large	Mature	1	Poor	\$2,970.99
219	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	18	Large	Mature	1	Poor	\$3,760.16
220	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	21	Large	Mature	1	Good	\$11,942.00
221	Oak-Southern Red	<i>Quercus</i>	<i>falcata</i>	23	Large	Mature	1	Good	\$12,982.01
222	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	16	Large	Semi-mature	1	Good	\$6,932.32
223	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	18	Large	Mature	1	Good	\$8,773.71
224	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	19	Large	Mature	1	Good	\$9,775.65
225	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	22	Large	Mature	1	Good	\$13,106.41
226	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	19	Large	Mature	1	Good	\$11,608.58
227	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	19	Large	Mature	1	Good	\$11,608.58
228	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	22	Large	Mature	1	Good	\$15,563.86
229	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	13	Large	Mature	1	Poor	\$858.08
230	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	13	Large	Mature	1	Good	\$2,002.18
231	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	13	Large	Mature	1	Good	\$2,002.18

<b>Tree ID</b>	<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>DBH</b>	<b>Height Class</b>	<b>Age Class</b>	<b>Stems</b>	<b>Condition Class</b>	<b>Tree Asset Value</b>
232	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	19	Large	Mature	1	Poor	\$1,832.93
233	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	10	Large	Semi-mature	1	Good	\$1,184.72
234	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	12	Large	Semi-mature	1	Good	\$1,706.00
	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	14	Large	Mature	1	Good	\$2,322.06
236	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	16	Large	Mature	1	Poor	\$1,299.81
237	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	17	Large	Mature	1	Poor	\$1,467.36
238	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	9	Large	Semi-mature	1	Good	\$959.62
239	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	19	Large	Mature	1	Poor	\$4,189.56
	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	8	Medium	Semi-mature	1	Good	\$758.22
241	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	20	Large	Mature	1	Good	\$4,738.89
242	Oak-Water	<i>Quercus</i>	<i>nigra</i>	7	Medium	Young	1	Poor	\$479.81
243	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	15	Large	Mature	1	Good	\$2,665.62
244	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	22	Medium	Mature	1	Poor	\$6,670.23
	Crapemyrtle	<i>Lagerstroemia</i>	sp.	3,3,3	Small	Young	3	Good	\$822.54
246	Crapemyrtle	<i>Lagerstroemia</i>	sp.	4,4	Small	Young	1	Good	\$974.86
247	Crapemyrtle	<i>Lagerstroemia</i>	sp.	2,2	Small	Young	2	Poor	\$104.45
248	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	24	Large	Mature	1	Good	\$18,522.28
249	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	16	Large	Mature	1	Poor	\$2,970.99
	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	16	Small	Semi-mature	1	Good	\$7,798.86
251	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	21	Large	Mature	1	Good	\$14,181.12
252	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	16	Large	Mature	1	Poor	\$2,970.99
253	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	22,25	Large	Mature	2	Good	\$35,661.82
254	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	21,14	Large	Mature	1	Good	\$20,483.84
	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	14	Small	Semi-mature	1	Good	\$5,971.00
256	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	18,14	Large	Mature	1	Good	\$16,721.50
257	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	20	Medium	Mature	1	Poor	\$4,642.18
258	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	16	Small	Semi-mature	1	Good	\$7,798.86
259	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	14	Small	Semi-mature	1	Good	\$5,971.00

<b>Tree ID</b>	<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>DBH</b>	<b>Height Class</b>	<b>Age Class</b>	<b>Stems</b>	<b>Condition Class</b>	<b>Tree Asset Value</b>
260	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	13	Small	Semi-mature	1	Good	\$5,148.46
261	Oak-Water	<i>Quercus</i>	<i>nigra</i>	8	Medium	Semi-mature	1	Good	\$1,462.29
262	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11	Medium	Semi-mature	1	Poor	\$1,404.26
263	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	12	Medium	Semi-mature	1	Good	\$4,630.57
264	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	10	Medium	Semi-mature	1	Good	\$3,215.67
265	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	13	Medium	Semi-mature	1	Poor	\$1,961.32
266	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	8,6	Medium	Semi-mature	2	Good	\$2,707.94
267	Cherry	<i>Prunus</i>	sp.	5	Medium	Semi-mature	1	Good	\$592.36
268	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	7	Medium	Semi-mature	1	Poor	\$568.67
269	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	6	Medium	Semi-mature	1	Good	\$974.86
270	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	8	Medium	Semi-mature	1	Good	\$1,733.08
271	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Semi-mature	1	Good	\$5,307.55
272	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	9	Large	Semi-mature	1	Poor	\$940.04
273	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	6	Medium	Semi-mature	1	Poor	\$417.80
274	Magnolia-Southern	<i>Magnolia</i>	<i>grandiflora</i>	3,2,2	Small	Young	3	Good	\$517.89
275	Oak-Water	<i>Quercus</i>	<i>nigra</i>	7	Large	Semi-mature	1	Good	\$1,119.56
276	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	8	Large	Semi-mature	1	Good	\$1,733.08
277	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	21	Large	Mature	1	Poor	\$5,118.00
278	Oak-Water	<i>Quercus</i>	<i>nigra</i>	8	Medium	Semi-mature	1	Poor	\$626.69



<b>Tree ID</b>	<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>DBH</b>	<b>Height Class</b>	<b>Age Class</b>	<b>Stems</b>	<b>Condition Class</b>	<b>Tree Asset Value</b>
279	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11	Large	Semi-mature	1	Good	\$3,276.60
280	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11	Large	Semi-mature	1	Poor	\$1,404.26
281	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	7	Medium	Semi-mature	1	Good	\$1,326.89
282	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	8	Large	Semi-mature	1	Good	\$758.22
283	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	6	Medium	Semi-mature	1	Good	\$426.50
284	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	13	Large	Mature	1	Good	\$2,002.18
285	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	8	Large	Semi-mature	1	Good	\$1,733.08
286	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	8	Large	Semi-mature	1	Good	\$1,733.08
287	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	6	Large	Semi-mature	1	Good	\$974.86
288	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	10	Large	Semi-mature	1	Poor	\$1,160.54
289	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	16	Large	Mature	1	Poor	\$2,970.99
290	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	7	Medium	Semi-mature	1	Good	\$1,575.68
291	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	23	Large	Mature	1	Poor	\$6,139.28
292	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11	Large	Semi-mature	1	Good	\$3,276.60
293	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	9	Large	Semi-mature	1	Poor	\$940.04
294	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	17	Large	Mature	1	Good	\$3,423.85
295	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	16	Large	Mature	1	Good	\$6,932.32
296	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	9	Medium	Semi-mature	1	Poor	\$940.04
297	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	10	Medium	Semi-mature	1	Good	\$3,215.67
298	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	9	Large	Semi-mature	1	Good	\$2,193.43
299	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	17	Large	Mature	1	Good	\$7,825.94

<b>Tree ID</b>	<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>DBH</b>	<b>Height Class</b>	<b>Age Class</b>	<b>Stems</b>	<b>Condition Class</b>	<b>Tree Asset Value</b>
300	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	13	Large	Semi-mature	1	Good	\$4,576.41
301	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	15	Large	Semi-mature	1	Good	\$7,235.27
302	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	7	Medium	Semi-mature	1	Good	\$1,326.89
303	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	17	Large	Mature	1	Good	\$7,825.94
304	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Medium	Semi-mature	1	Good	\$3,899.43
305	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11	Medium	Semi-mature	1	Good	\$3,276.60
306	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	17	Large	Mature	1	Good	\$7,825.94
307	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	16	Large	Mature	1	Good	\$6,932.32
308	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	21	Large	Mature	1	Good	\$11,942.00
309	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	12	Large	Mature	1	Good	\$1,706.00
310	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	13	Large	Mature	1	Poor	\$1,961.32
311	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	21	Large	Mature	1	Poor	\$6,077.62
312	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	19	Large	Mature	1	Poor	\$1,832.93
313	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	21	Large	Mature	1	Poor	\$5,118.00
314	Pine-Longleaf	<i>Pinus</i>	<i>palustris</i>	16	Large	Mature	1	Good	\$7,582.22
315	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	16	Large	Mature	1	Good	\$6,932.32
316	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	31	Large	Mature	1	Good	\$30,287.35
317	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	14	Large	Mature	1	Good	\$2,322.06
318	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	19	Large	Mature	1	Poor	\$4,189.56
319	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	16	Large	Mature	1	Good	\$6,932.32
320	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	13	Large	Mature	1	Good	\$4,576.41
321	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	7	Large	Semi-mature	1	Good	\$1,326.89
322	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	11	Large	Semi-mature	1	Good	\$3,276.60
323	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	12	Large	Semi-mature	1	Good	\$3,899.43
324	Pine-Loblolly	<i>Pinus</i>	<i>taeda</i>	11	Large	Semi-mature	1	Good	\$3,276.60
325	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	12	Medium	Semi-mature	1	Poor	\$731.14
326	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	20	Large	Mature	1	Good	\$4,738.89

<b>Tree ID</b>	<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>DBH</b>	<b>Height Class</b>	<b>Age Class</b>	<b>Stems</b>	<b>Condition Class</b>	<b>Tree Asset Value</b>
327	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	14	Large	Mature	1	Poor	\$995.17
328	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Mature	1	Good	\$5,307.55
329	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	7	Medium	Semi-mature	1	Good	\$953.70
330	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	9	Large	Semi-mature	1	Good	\$1,576.53
331	Oak-Water	<i>Quercus</i>	<i>nigra</i>	10	Large	Semi-mature	1	Poor	\$979.21
332	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	10	Large	Semi-mature	1	Good	\$1,946.33
333	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	8	Large	Semi-mature	1	Good	\$1,245.65
334	Oak-Water	<i>Quercus</i>	<i>nigra</i>	8	Medium	Semi-mature	1	Poor	\$626.69
335	Oak-Water	<i>Quercus</i>	<i>nigra</i>	5	Small	Young	1	Poor	\$244.80
336	Oak-Water	<i>Quercus</i>	<i>nigra</i>	14	Large	Semi-mature	1	Good	\$4,478.25
337	Maple-Red	<i>Acer</i>	<i>rubrum</i>	13,6,10	Large	Mature	1	Poor	\$3,871.50
338	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	11	Large	Semi-mature	1	Good	\$2,355.06
339	Oak-Water	<i>Quercus</i>	<i>nigra</i>	6	Medium	Semi-mature	1	Good	\$822.54
340	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	11	Large	Semi-mature	1	Good	\$2,355.06
341	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	3	Medium	Young	1	Good	\$175.17
342	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	7	Medium	Semi-mature	1	Good	\$953.70
343	Maple-Red	<i>Acer</i>	<i>rubrum</i>	23	Large	Mature	1	Poor	\$6,714.84
344	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	11	Large	Semi-mature	1	Good	\$1,433.51
345	Oak-Water	<i>Quercus</i>	<i>nigra</i>	8	Medium	Semi-mature	1	Poor	\$626.69
346	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	9	Large	Semi-mature	1	Good	\$1,576.53
347	Oak-Water	<i>Quercus</i>	<i>nigra</i>	4	Small	Young	1	Poor	\$156.67
348	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	7	Large	Semi-mature	1	Good	\$953.70

<b>Tree ID</b>	<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>DBH</b>	<b>Height Class</b>	<b>Age Class</b>	<b>Stems</b>	<b>Condition Class</b>	<b>Tree Asset Value</b>
349	Oak-Water	<i>Quercus</i>	<i>nigra</i>	8	Medium	Semi-mature	1	Poor	\$626.69
350	Oak-Water	<i>Quercus</i>	<i>nigra</i>	8	Large	Semi-mature	1	Good	\$1,462.29
351	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	7	Large	Semi-mature	1	Poor	\$408.73
352	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	6	Large	Semi-mature	1	Poor	\$300.29
353	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	23	Large	Mature	1	Good	\$6,267.18
354	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	7	Large	Semi-mature	1	Good	\$953.70
355	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	5	Medium	Semi-mature	1	Good	\$486.58
356	Sweetgum	<i>Liquidambar</i>	<i>styraciflua</i>	14	Large	Mature	1	Poor	\$1,634.92
357	Pine-Longleaf	<i>Pinus</i>	<i>palustris</i>	19	Large	Mature	1	Good	\$10,692.12
358	Oak-Water	<i>Quercus</i>	<i>nigra</i>	9	Medium	Semi-mature	1	Poor	\$793.16
359	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	26,22	Large	Mature	1	Good	\$37,301.82
360	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	19	Large	Mature	1	Good	\$9,775.65
361	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	16	Large	Mature	1	Poor	\$2,970.99
362	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	10	Medium	Semi-mature	1	Good	\$2,707.94
363	Oak-Water	<i>Quercus</i>	<i>nigra</i>	9	Medium	Semi-mature	1	Good	\$1,850.70
364	Palmetto-Cabbage	<i>Sabal</i>	<i>palmetto</i>	18	Small	Semi-mature	1	Good	\$9,870.43
365	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	17	Large	Mature	1	Good	\$3,423.85
366	Oak-Water	<i>Quercus</i>	<i>nigra</i>	10	Medium	Semi-mature	1	Good	\$2,284.82
367	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	10	Large	Semi-mature	1	Good	\$2,707.94
368	Oak-Water	<i>Quercus</i>	<i>nigra</i>	6	Medium	Semi-mature	1	Good	\$822.54
369	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Mature	1	Good	\$5,307.55
370	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11	Large	Semi-mature	1	Good	\$3,276.60

Tree ID	Common Name	Genus	Species	DBH	Height Class	Age Class	Stems	Condition Class	Tree Asset Value
371	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12,9	Large	Semi-mature	1	Good	\$6,092.86
372	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	16,11	Large	Mature	1	Good	\$10,208.92
373	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	8	Medium	Semi-mature	1	Poor	\$742.75
374	Oak-Water	<i>Quercus</i>	<i>nigra</i>	8,7	Medium	Semi-mature	2	Poor	\$1,106.51
375	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	23	Large	Mature	1	Poor	\$7,290.39
376	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	19	Large	Mature	1	Poor	\$4,975.11
377	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	10	Medium	Semi-mature	1	Poor	\$1,378.15
378	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	13	Large	Mature	1	Good	\$2,002.18
379	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	21	Large	Mature	1	Good	\$11,942.00
380	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11,11	Large	Mature	2	Good	\$6,553.21
381	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	13	Large	Mature	1	Good	\$4,576.41
382	Oak-Water	<i>Quercus</i>	<i>nigra</i>	11	Medium	Semi-mature	1	Good	\$2,764.63
383	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	7	Medium	Semi-mature	1	Poor	\$568.67
384	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Semi-mature	1	Poor	\$1,671.18
385	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	29	Large	Mature	1	Poor	\$11,590.21
386	Oak-Water	<i>Quercus</i>	<i>nigra</i>	10	Medium	Semi-mature	1	Poor	\$979.21
387	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	16	Large	Mature	1	Poor	\$2,970.99
388	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11	Large	Semi-mature	1	Poor	\$1,404.26
389	Oak-Water	<i>Quercus</i>	<i>nigra</i>	12	Large	Semi-mature	1	Good	\$3,290.14
390	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	17,17,13	Large	Mature	1	Good	\$24,021.08
391	Cherry	<i>Prunus</i>	sp.	5	Small	Young	1	Good	\$592.36
392	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	13	Large	Semi-mature	1	Good	\$4,576.41
393	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	10	Large	Semi-mature	1	Good	\$1,184.72
394	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	11	Large	Semi-mature	1	Good	\$3,276.60

<b>Tree ID</b>	<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>DBH</b>	<b>Height Class</b>	<b>Age Class</b>	<b>Stems</b>	<b>Condition Class</b>	<b>Tree Asset Value</b>
395	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	19	Large	Mature	1	Good	\$9,775.65
396	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	8	Medium	Semi-mature	1	Good	\$2,058.03
397	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	8	Medium	Semi-mature	1	Poor	\$882.01
398	Oak-Live	<i>Quercus</i>	<i>virginiana</i>	31	Large	Mature	1	Good	\$30,287.35
399	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	16	Large	Mature	1	Good	\$6,932.32
400	Oak-Water	<i>Quercus</i>	<i>nigra</i>	9	Medium	Mature	1	Good	\$1,850.70
401	Oak-Water	<i>Quercus</i>	<i>nigra</i>	11	Medium	Semi-mature	1	Good	\$2,764.63
402	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Mature	1	Good	\$5,307.55
403	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	15	Large	Mature	1	Good	\$6,092.86
404	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	12	Large	Mature	1	Good	\$3,899.43
405	Pine-Slash	<i>Pinus</i>	<i>elliottii</i>	19	Large	Mature	1	Good	\$4,276.85
406	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Mature	1	Good	\$5,307.55
407	Oak-Water	<i>Quercus</i>	<i>nigra</i>	11	Large	Semi-mature	1	Good	\$2,764.63
408	Oak-Laurel	<i>Quercus</i>	<i>laurifolia</i>	14	Large	Mature	1	Good	\$5,307.55

# APPENDIX



## **ADDITIONAL RESOURCES**

Bartlett publishes a variety of tree-resource documents, including technical reports, plant health care recommendations, and service brochures. The following technical reports may be pertinent to your inventory. To access these documents and view the complete Bartlett Resource Library online, please follow this URL:

<https://www.bartlett.com/resourcelist.cfm>

**Girdling Roots**

**Maintenance Pruning Program**

**Monitor IPM Program**

**Mulch Application Guidelines**

**Tree Risk Assessments**

**Tree Structure Evaluation**



## GLOSSARY OF TERMS

**air pollution removal:** removal of pollutants from the air by plants through natural processes

**arborist:** 1. An individual engaged in the profession of arboriculture who, through experience, education and related training, possesses the competence to provide for, or supervise the management of, trees and other woody ornamentals. [ANSI A300 (Part 1, 2, 4, 5, 6)] 2. An individual engaged in the profession of arboriculture. [ANSI Z133.1-2000 Safety Requirements for Arboricultural Operations]

**bracing:** The installation of lag-thread screw or threaded-steel rods in limbs, leaders, or trunks to provide supplemental support. [ANSI A300 (Part 3)-2000 Support Systems]

**branch:** An outgrowing shoot, stem or twig that grows from the main stem or trunk. [ANSI Z60.1-2004 Nursery Stock]

**buttress roots:** Lateral surface roots that aid in stabilizing the tree.

**cable:** 1) Zinc coated strand per ASTM A-475 for dead-end grip applications. 2) Wire rope or strand for general applications. 3) Synthetic-fiber rope or synthetic-fiber webbing for general applications. [ANSI A300 (Part 3)-2000 Support Systems]

**cabbling:** The installation of a steel wire rope, steel strand, or synthetic-fiber system within a tree between limbs or leaders to limit movement and provide supplemental support. [ANSI A300 (Part 3)-2000 Support Systems]

**canopy:** collective branches and foliage of a tree or group of trees' crowns

**carbon sequestration:** removal of carbon from the air by plants through natural processes

**carbon storage:** storage of carbon removed from the air in plant tissues

**cation exchange capacity(CEC):** The ability of soil to absorb nutrients.

**cavity:** An open wound characterized by the presence of decay and resulting in a hollow.

**cleaning:** Selective pruning to remove one or more of the following parts: dead, diseased, and/ or broken branches (5.6.1). [ANSI A300 (Part 1)-2001 Pruning]

**co-dominant branches:** Equal in size and importance, usually associated with either the trunks, stems, or scaffold limbs.

**conk:** fruiting body or nonfruiting body of a fungus. Often associated with decay. critical root zone(CRZ): area of soil around a tree trunk where roots are located that provide

stability and uptake of water and minerals required for tree survival.

**crown:** 1. The leaves and branches of a tree measured from the lowest branch on the trunk to the top of the tree. [ANSI A300 (Part 1)-2001 Pruning] [ANSI A300 (Part 6)-2005 Transplanting] 2. The portion of a tree comprising the branches. [ANSI Z60.1-2004 Nursery Stock]

**D.B.H. [diameter at breast height]:** Measurement of trunk diameter taken at 4.5 feet (1.4 m) off the ground. [ANSI A300 (Part 6)- 2005 Transplanting]

**decay:** The degradation of woody tissue caused by microorganisms. [ANSI A300 (Part 1)-2001 Pruning]

**Geographic Information System (GIS):** is any system for capturing, storing, analyzing and managing data and associated attributes which are spatially referenced to earth.

**girdling root:** A root that may impede proper development of other roots, trunk flare, and/or trunk. [ANSI A300 (Part 6)-2005 Transplanting]

**Global Positioning System (GPS):** A constellation of at least 24 Medium Earth Orbit satellites that transmit precise microwave signals, the system enables a GPS receiver to determine its location, speed, direction, and time.

**Global Positioning System receiver (GPSr):** A receiver that receives its input from GPS satellites to determine location, speed, direction, and time.

**heading:** cutting a shoot back to a bud or cutting branches back to buds, stubs, or lateral branches not large enough to assume apical dominance. Cutting an older branch or stem back to meet a structural objective

**integrated pest management (IPM):** A pest control strategy that uses an array of complementary methods: mechanical devices, physical devices, genetic, biological, legal, cultural management, and chemical management. These methods are done in three stages of prevention, Observation, and finally Intervention. It is an ecological approach that has its main goal is to significantly reduce or eliminate the use of pesticides.

**lateral branch:** A shoot or stem growing from a parent branch or stem. [ANSI A300 (Part 1)- 2001 Pruning]

**leader:** A dominant or co-dominant, upright stem. [ANSI A300 (Part 1)-2001 Pruning]

**lean:** Departure from vertical of the stem, beginning at or near the base of the trunk.

**limb:** A large, prominent branch. [ANSI A300 (Part 1)-2001 Pruning] **lion's tailing:** The removal of an excessive number of inner, lateral branches from parent branches. Lion's tailing is not an acceptable pruning practice (5.5.7). [ANSI A300 (Part 1)- 2001 Pruning]

**macronutrient:** Nutrient required in relatively large amounts by plants, such as nitrogen (N), phosphorus (P), potassium (K), and sulfur (S). [ANSI A300 (Part 2)-2004 Fertilization]

**micronutrient:** Nutrient required in relatively small amounts by plants, such as iron (Fe), manganese (Mn), zinc (Zn), copper (Cu), and boron (B). [ANSI A300 (Part 2)-2004 Fertilization]

**noise attenuation:** reducing sound levels via materials, structures, plants, etc.

**nutrient:** Element or compound required for growth, reproduction or development of a plant. [ANSI A300 (Part 2)-2004 Fertilization]

**organic matter:** material derived from the growth (and death) of living organisms. The organic components of soil.

**parent branch or stem:** A tree trunk, limb, or prominent branch from which shoots or stems grow. [ANSI A300 (Part 1)-2001 Pruning]

**pH:** unit of measurement that describes the alkalinity or acidity of a solution. Measured on a scale of 0 to 14. Greater than 7 is alkaline, less than 7 is acid, and 7 is neutral (pure water).

**pruning:** The selective removal of plant parts to meet specific goals and objectives. [ANSI A300 (Part 1)-2001 Pruning]

**qualified arborist:** An individual who, by possession of a recognized degree, certification, or professional standing, or through related training and on-the-job experience, is familiar with the equipment and hazards involved in arboricultural operations and who has demonstrated ability in the performance of the special techniques involved. [ANSI Z133.1-2000 Safety Requirements for Arboricultural Operations]

**raising:** Selective pruning to provide vertical clearance (5.6.3). [ANSI A300 (Part 1)-2001 Pruning]

**reduction:** Selective pruning to decrease height and/or spread (5.6.4). [ANSI A300 (Part 1)-2001 Pruning]

**risk assessment:** process of evaluating what unexpected things could happen, how likely it is, and what the likely outcomes are. In tree management, the systematic process to determine the level of risk posed by a tree, tree part, or group of trees.

**root collar:** 1. The transition zone between the trunk and the root system. [ANSI A300 (Part 6)-2005 Transplanting] 2. See COLLAR. [ANSI Z60.1-2004 Nursery Stock]

**root flare or trunk flare:** The area at the base of the plant's stem or trunk where the stem

or trunk broadens to form roots; the area of transition between the root system and the stem or trunk. [ANSI Z60.1-2004 Nursery Stock] [ANSI A300 (Part 6)-2005 Transplanting]

**root zone:** The volume of soil containing the roots of a plant. [ANSI A300 (Part 5)-2005

**secondary nutrient:** Nutrient required in moderate amounts by plants, such as calcium (Ca) and magnesium (Mg). [ANSI A300 (Part 2)-2004 Fertilization]

**seam:** Vertical line that appears where two edges of wound wood or callus ridge meet.

**soil amendment:** Any material added to soil to alter its composition and structure, such as sand, fertilizer, or organic matter. [ANSI A300 (Part 6)-2005 Transplanting]

**soil pH:** A measure of the acidity or alkalinity of the soil.

**stormwater runoff:** water (generally from rain or snow melt) that flows over the ground after storm events.

**structural support system:** hardware installed in tree, may be; cables, braces, or guys, to provide supplemental support.

**sweep:** Departure from vertical of the stem, beginning above the base of the trunk.

**thinning:** Selective pruning to reduce density of live branches (5.6.2). [ANSI A300 (Part 1)-2001 Pruning]

**tree risk assessment:** Closer inspection of visibly damaged, dead, defected, diseased, leaning or dying tree to determine management needs.

**topping:** The reduction of a tree's size using heading cuts that shorten limbs or branches back to a predetermined crown limit. Topping is not acceptable pruning practice. (5.5.7). [ANSI A300 (Part 1)-2001 Pruning]

**tree inventory:** A comprehensive list of individual trees providing descriptive information on all or a portion of the project area. [ANSI A300 (Part 5)-2005 Management during site planning, site development, and construction]

**tree protection zone:** A space above and belowground within which trees are to be retained and protected. [ANSI A300 (Part 5)-2005 Management during site planning, site development, and construction]

**trunk:** That portion of a stem or stems of a tree before branching occurs. [ANSI Z60.1-2004 Nursery Stock]

**vigor :** Overall health. Capacity to grow and resist stress. [ISA Municipal Specialist Certification Study Guide 2008]

**wound:** An opening that is created when the bark of a living branch or stem is penetrated, cut, or removed. [ANSI A300 (Part 1)-2001 Pruning]



**THE TOWN OF HILTON HEAD ISLAND  
DESIGN REVIEW BOARD – NOTICE OF ACTION**

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**PROJECT NAME:** Northridge Plaza **PROJECT #:** DRB-000317-2020  
**PROJECT ADDRESS:** 435 William Hilton Parkway  
**CATEGORY:** Alteration/Addition  
**ACTION DATE:** February 25, 2020 **NOTICE DATE:** March 3, 2020  
**APPLICANT/AGENT:** William Goldsmith, Gator Northridge Partners  
7850 NW 146<sup>th</sup> Street, 4<sup>th</sup> Floor  
Miami Lakes, FL 33016  
Email: billg@gatorinv.com

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**On the above meeting date your Application received the following action:**

- APPROVED AS SUBMITTED**  
 **APPROVED WITH THE SPECIFIC CONDITIONS LISTED BELOW**  
 **DENIED**  
 **WITHDRAWN AT THE APPLICANTS REQUEST**

1. The Design Review Board approved all of the conditions as described in the attached Exhibit A – Design Team/DRB Comment Sheet.
2. Address the canopy so it more closely matches the existing canopy design and dimensions.
3. Make improvements to the movie theater wall once the adjacent building is demolished.
4. Replace the Asiatic Jasmine in the buffer with a more native plant species.

**PURSUANT TO LMO 16-2-103-I.7, THIS APPROVAL WILL EXPIRE ONE YEAR FROM THE DATE OF THIS NOTICE UNLESS A DEVELOPMENT PLAN (SEE LMO 16-2-103.G) OR SMALL RESIDENTIAL DEVELOPMENT (SEE LMO 16-2-103.H) IS APPROVED OR, WHERE DEVELOPMENT PLAN REVIEW OR SMALL RESIDENTIAL DEVELOPMENT REVIEW IS NOT REQUIRED, THE APPROVED ACTIVITY IS COMPLETED. YOU HAVE THE RIGHT TO APPEAL THIS DECISION TO CIRCUIT COURT IN ACCORDANCE WITH LMO 16-2-103-I.4.c.ii.**

**NOTICE: APPROVAL BY THE DESIGN REVIEW BOARD MAY NOT CONSTITUTE AUTHORITY TO PROCEED. PLEASE CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT AT 843-341-4757 TO FIND OUT IF OTHER APPROVALS OR PERMITS ARE REQUIRED FROM THE DEVELOPMENT REVIEW AND ZONING, BUILDING, OR ENGINEERING DIVISIONS.**

BY:  \_\_\_\_\_, Urban Designer

## EXHIBIT A

### DESIGN TEAM/DRB COMMENT SHEET

PROJECT NAME: Northridge Plaza Renovation

DRB#: DRB 000317-2020

DATE: 02/13/20

RECOMMENDATION: Approval  Approval with Conditions  Denial

RECOMMENDED CONDITIONS:

The Final submittal should satisfactorily address the comments on the DRB Comment Sheet that shall be attached to the NOA.

<b>ARCHITECTURAL DESIGN</b>				
<b>DESIGN GUIDE/LMO CRITERIA</b>	<b>Complies Yes</b>	<b>No</b>	<b>Not Applicable</b>	<b>Comments or Conditions</b>
Utilizes natural materials and colors	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concerns about the color scheme: 1. Without a color board it is difficult to evaluate the colors together but it appears the color scheme leans too red / coral. Staff is concerned that in the sunlight these colors will pull more coral. 2. The color of the Home Goods entrance is not nature blending and therefore not approvable per the Design Guide (page 16).
Avoids monotonous planes or unrelieved repetition	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reduction of the canopy height exposes large areas of the building wall that have little difference in their treatment. Monotonous planes are to be avoided per the Design Guide (page 13).
Has a strong roof form with enough variety to provide visual interest	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concerns about the proposed canopy: 1. The breaks in the canopy at the corners of the buildings create the ends in the shed roof that clutter the roof line. The Design Guide encourages uncluttered architectural detail

				(page 15). 2. The overhang is too narrow and needs to be deeper per the Design Guide (page 13).
Forms an details are sufficient to reduce the mass of the structure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reduction of the canopy height exposes large areas of the building wall effectively increasing the mass of the building.
Decorative lighting is limited and low wattage and adds to the visual character	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	It appears the 36 lumens of the canopy lights will exceed the LMO allowed light levels.

**LANDSCAPE DESIGN**

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Location of existing trees and new trees provides street buffers, mitigation for parking lots, and an architectural complement that visually mitigates between parking lots and building(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Multiple trees were removed from the landscape island along the main drive at the western property line. Additional trees should be planted in this area to mitigate these removals
Large grassed lawn areas encompassing a major portion of the site are avoided	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The lawn that replaces the building that was removed seem like an afterthought. Staff suggest trees be planted along the theater wall to break it up visually.

**NATURAL RESOURCE PROTECTION**

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
An effort has been made to preserve existing trees and under story plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	There appear to be conflicts with proposed parking lot lights including trenching for power connections and existing trees. Tree locations should be added to the lighting plan as well new trench locations for the power supply.

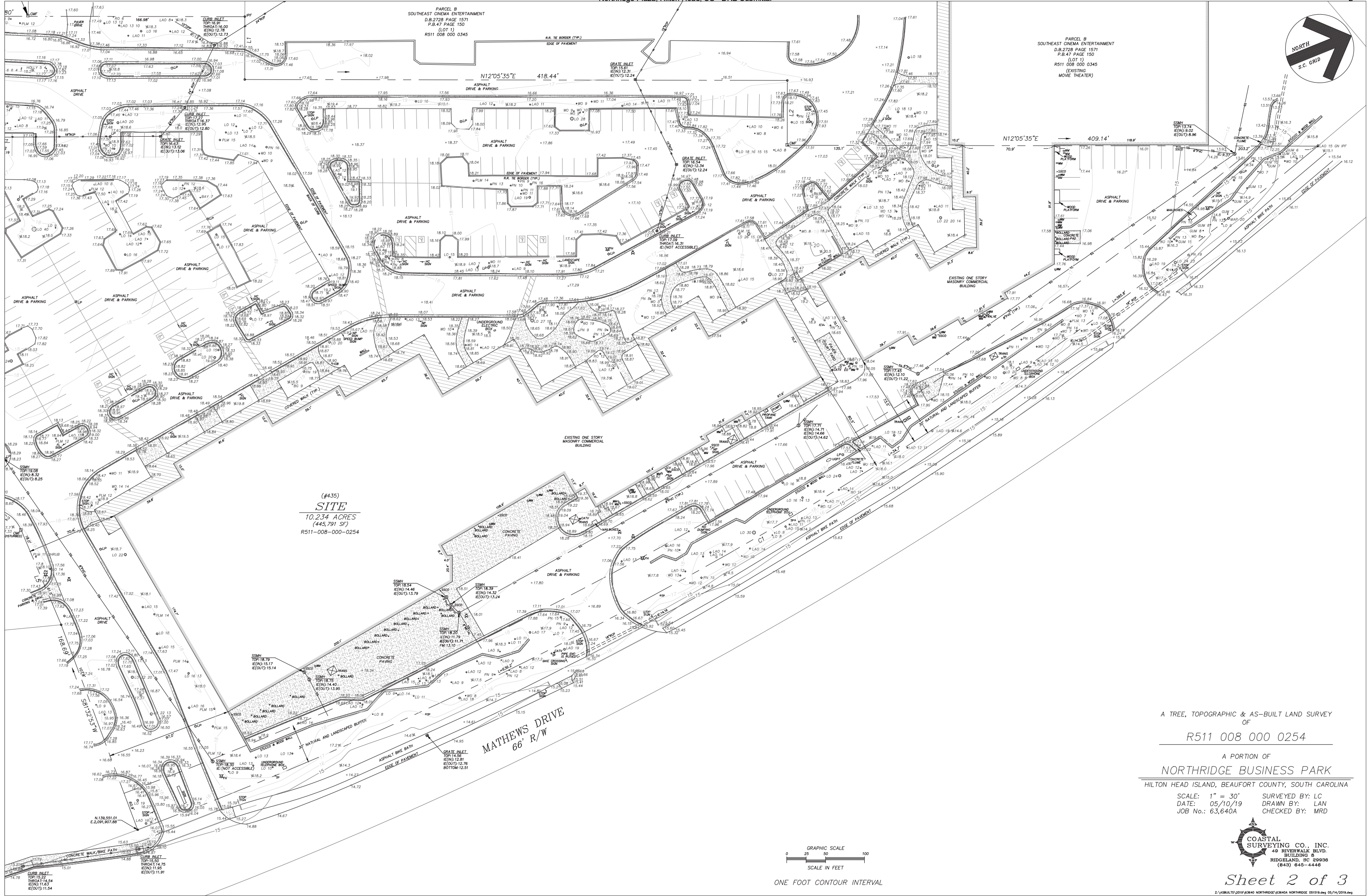
**MISC COMMENTS/QUESTIONS**

1. Northridge was last before the DRB on Oct. 1<sup>st</sup> 2019 and was withdrawn at the applicants request during the meeting before a vote was taken by the DRB.
2. Please provide a color board with physical samples at the Final Review.
3. How will the sidewalk be “repair as required”? Will the old and new concrete be stained the same color? How will the sidewalk be removed to allow construction of the new footers? What will the joints look like?
4. Given there are only a few islands separating parking bays, the landscape islands at the ends of parking bays are more critical. End landscape islands should include 2 canopy trees in front of Home Goods.
5. It is Staff’s understanding that all timber curbs will be replaced with concrete curbs.



6. It is Staff's understanding that all existing parking lot light fixtures will be replaced.

7. The place holders for tenant façade signs appear to be larger than what is allowed by the LMO. A new sign system will need to be submitted before any tenant signs can be permitted. Consider having a more realistic and LMO compliant placeholder for the signs as part of the Final application.



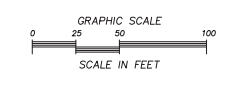
(#435)  
**SITE**  
10.234 ACRES  
(445,791 SF)  
R511-008-000-0254

A TREE, TOPOGRAPHIC & AS-BUILT LAND SURVEY  
OF  
**R511 008 000 0254**

A PORTION OF  
**NORTHTRIDGE BUSINESS PARK**  
HILTON HEAD ISLAND, BEAUFORT COUNTY, SOUTH CAROLINA

SCALE: 1" = 30'  
DATE: 05/10/19  
JOB No.: 63,640A

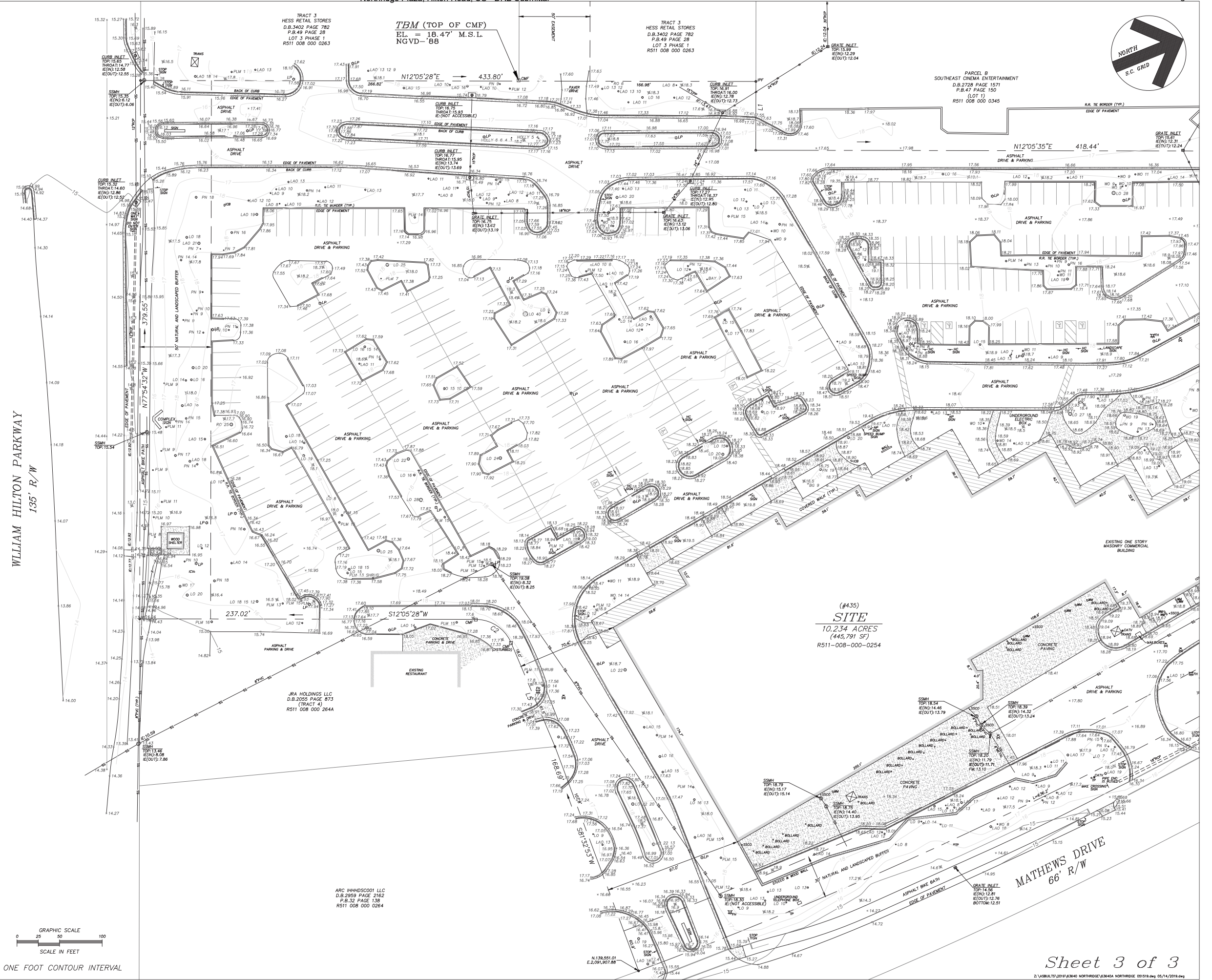
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CHECKED BY: MRD



ONE FOOT CONTOUR INTERVAL



Sheet 2 of 3



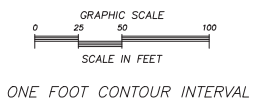
A TREE, TOPOGRAPHIC & AS-BUILT LAND SURVEY  
OF  
R511 008 000 0254

A PORTION OF  
NORTHDRIDGE BUSINESS PARK  
HILTON HEAD ISLAND, BEAUFORT COUNTY, SOUTH CAROLINA

SCALE: 1" = 30'  
DATE: 05/10/19  
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SURVEYED BY: LC  
DRAWN BY: LAN  
CHECKED BY: MRD

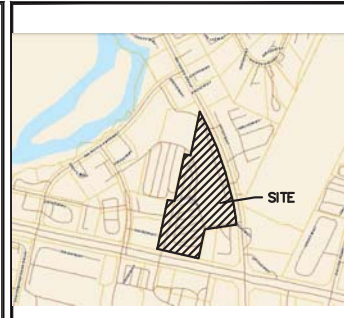
ARC HHHHSC001 LLC  
D.B. 2959 PAGE 2162  
P.B. 32 PAGE 136  
R511 008 000 0264





**PAVING HATCH LEGEND**

PROPOSED ASPHALT (MILL & OVERLAY)	
REMOVE TIMBER CURB AND REPLACE WITH CONCRETE CURB	
RESURFACE EXISTING CONCRETE SIDEWALK	
CUT & PATCH ASPHALT INSTALL ELECTRICAL SLEEVES	
EXISTING LIGHT TO BE DEMOLISHED	
NEW LIGHT	

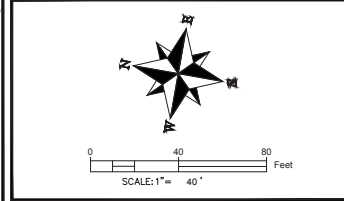


VICINITY MAP  
Not To Scale

**SITE PLAN**  
**NORTHRIDGE PLAZA IMPROVEMENTS**  
TOWN OF HILTON HEAD ISLAND, SOUTH CAROLINA  
PREPARED FOR:  
**GATOR NORTHRIDGE PARTNERS, LLLP**

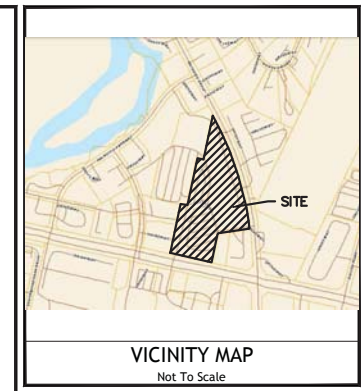
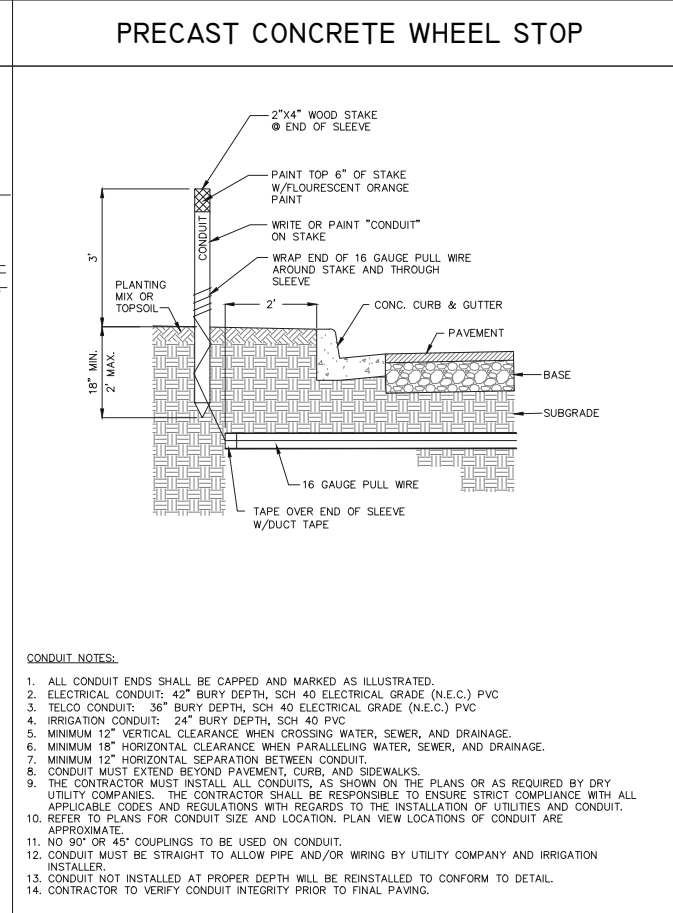
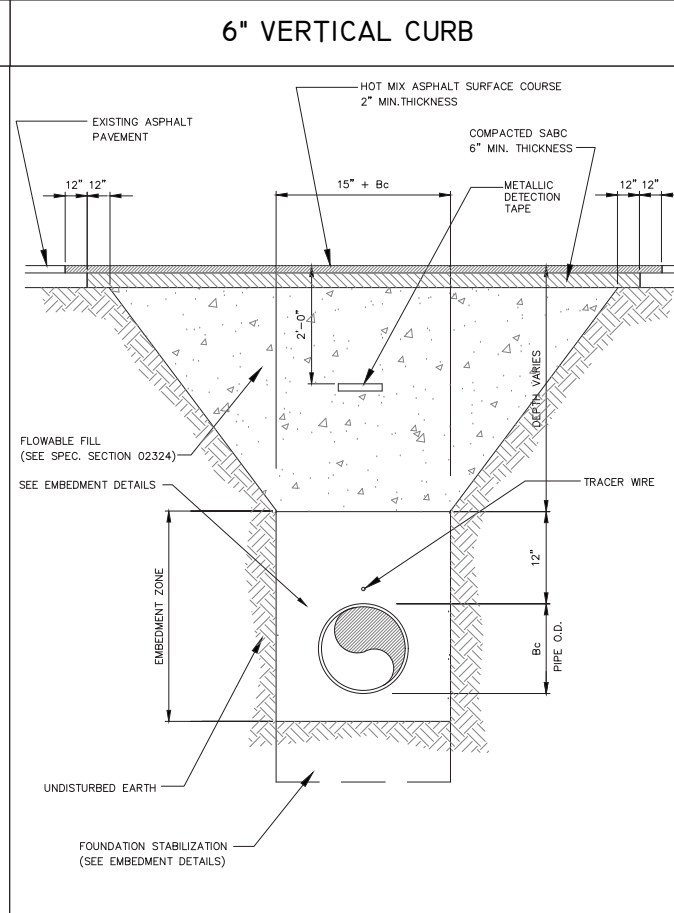
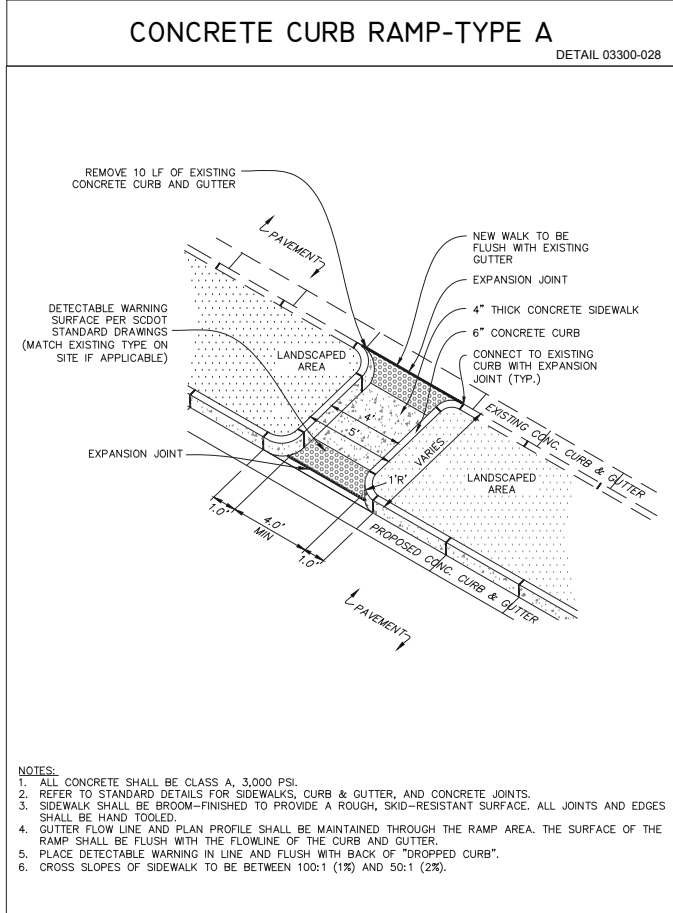
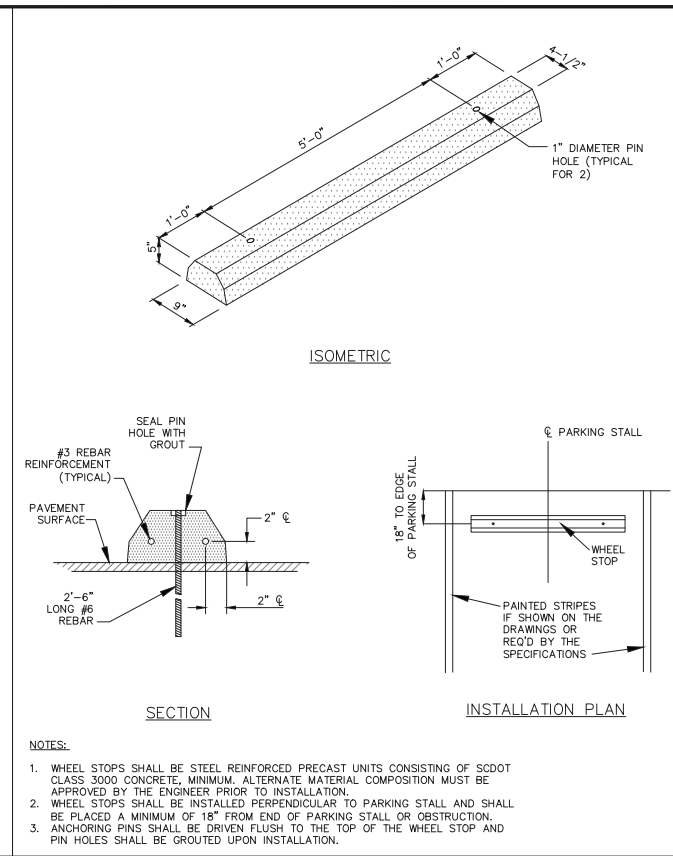
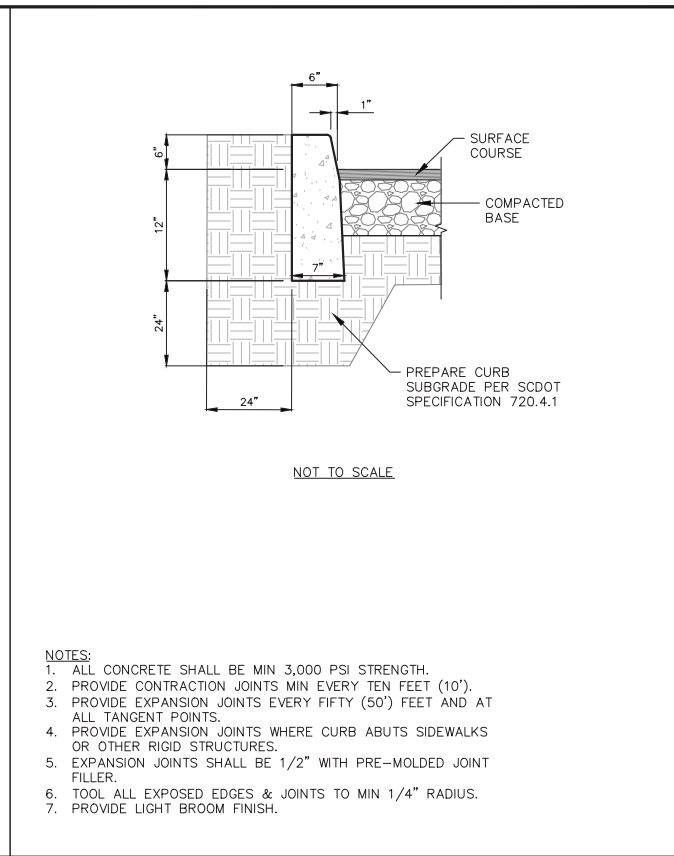
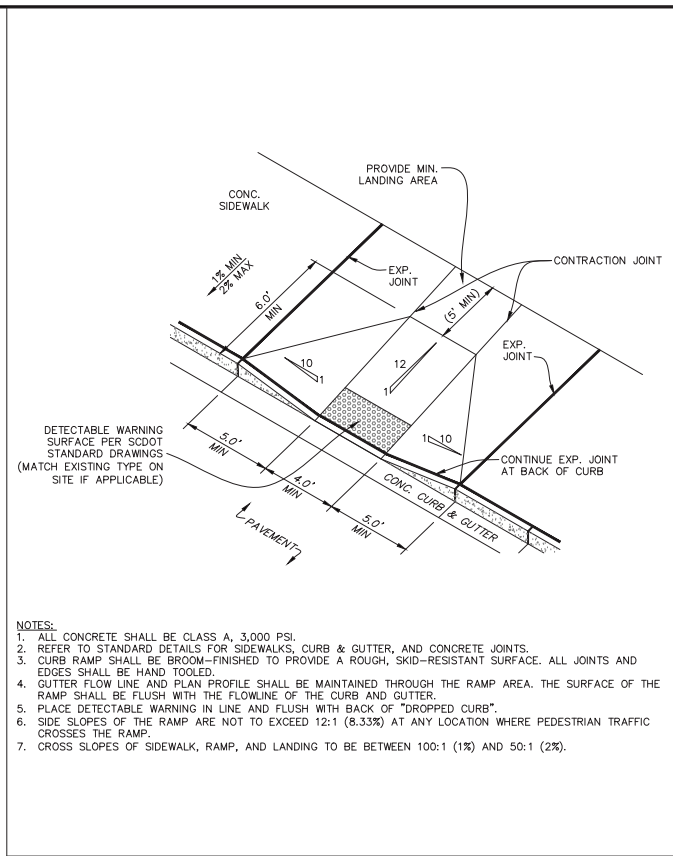
- RESURFACING NOTES:**
- AREAS OF SIGNIFICANT CRACKING OR ROOT DAMAGE SHALL BE FULL-DEPTH CUT & PATCHED PRIOR TO MILL AND OVERLAY OF ASPHALT PAVING.
  - AFTER ASPHALT RESURFACING, ALL PAVEMENT MARKINGS SHALL BE RESTORED TO CURRENT CONDITION, WITH EXCEPTION OF MARKINGS THAT DO NOT CURRENTLY MEET ADA STANDARDS.
  - STANDARD PARKING STALL STRIPES SHALL BE 4" WHITE PAINT, 24" STOP BARS & DIRECTIONAL ARROWS SHALL THERMOPLASTIC.
  - HANDICAP-ACCESSIBLE PARKING SPACES, LOADING ZONES AND CROSSWALKS SHALL BE STRIPED, SIGNED, AND SLOPED IN ACCORDANCE WITH ADA STANDARDS.
  - SURFACE ELEVATIONS AND DRAINAGE SCHEME SHOULD BE RESTORED TO EXISTING CONDITIONS AFTER ASPHALT RESURFACING. MAINTAIN POSITIVE DRAINAGE TO EXISTING INLETS, FLUMES, AND/OR RECEIVING LANDSCAPE ISLANDS.

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PROJECT #:	190235
DATE:	02/03/20
PREPARED BY:	HED
SHEET NUMBER:	1 OF 3



**SITE DETAILS**

**NORTHRIDGE PLAZA IMPROVEMENTS**  
TOWN OF HILTON HEAD ISLAND, SOUTH CAROLINA  
PREPARED FOR:  
**GATOR NORTHRIDGE PARTNERS, LLLP**

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PROJECT #:	190235
DATE:	02/03/20
PREPARED BY:	HED
SHEET NUMBER:	2 OF 3



VICINITY MAP  
Not To Scale

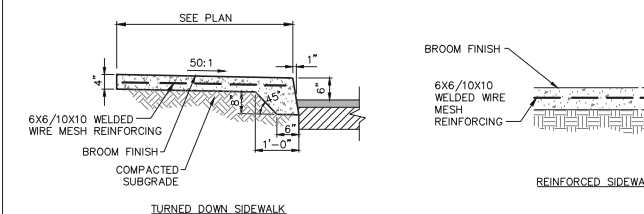
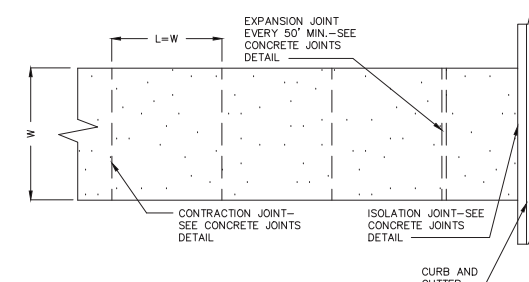
**SITE DETAILS**

**NORTHRIDGE PLAZA IMPROVEMENTS**

TOWN OF HILTON HEAD ISLAND, SOUTH CAROLINA  
PREPARED FOR:

**GATOR NORTHRIDGE PARTNERS, LLLP**

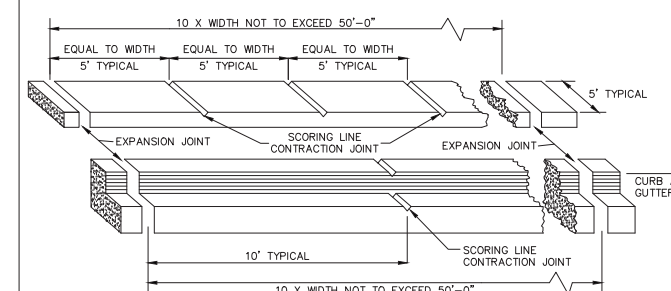
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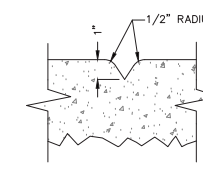
- NOTES:
1. W = VARIES, REFER TO STAKING PLAN FILL IN BASED ON SITE PLAN
  2. L = WIDTH OF PAVING UNLESS OTHERWISE INDICATED ON PLAN
  3. SLOPE = AS INDICATED ON GRADING PLAN, NOT TO EXCEED 2% CROSS OF 8.33% LONGITUDINAL
  4. ALL CONCRETE SHALL BE CLASS A 3000 PSI
  5. FINISH BROOM WITH HAND TOOLED JOINTS AND EDGES.

**CONCRETE SIDEWALK**

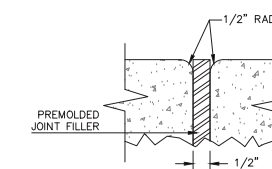
DETAIL 03300-006



ISOMETRIC



CONTRACTION JOINT  
SCORING LINE



EXPANSION JOINT

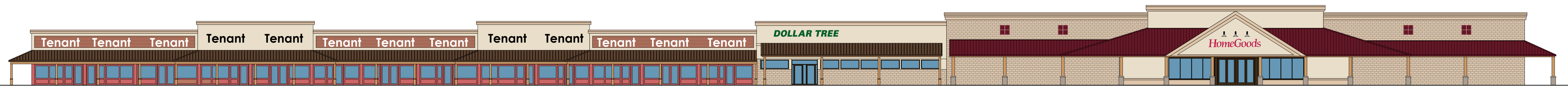
- NOTES:
1. EXPANSION JOINTS, 1/2 INCH THICK, SHALL BE PLACED IN THE SIDEWALK AND CURBING AT THE POINT OF CURVATURE (PC) AND POINT OF TANGENCY (PT) OF ALL CURVES, AT THE OUTER EDGES OF DRIVEWAYS, AND AT UNIFORM INTERVALS AS SHOWN. EXPANSION JOINTS SHALL MEET SCDOT SPECIFICATION SECTION 702.2.2.1.
  2. TRANSVERSE SCORING LINES (CONTRACTION JOINTS) IN THE SIDEWALK SHALL BE PLACED BETWEEN EXPANSION JOINTS AT UNIFORM INTERVALS EQUAL TO THE WIDTH OF THE WALK AS SHOWN.
  3. LONGITUDINAL SCORING LINES WILL BE REQUIRED IN WALKS WIDER THAN 5 FEET OR AS DIRECTED BY THE ENGINEER.
  4. TRANSVERSE CONTRACTION JOINTS IN THE CURBING SHALL BE PLACED BETWEEN EXPANSION JOINTS AT UNIFORM 10' INTERVALS.
  5. TRANSVERSE AND LONGITUDINAL SCORING LINES SHALL BE A DEPTH OF 1" AND NOT LESS THAN 1/4 INCH OR MORE THAN 1/2 INCH IN WIDTH. THE CORNERS OF THE SCORING LINES SHALL HAVE A 1/2 INCH MINIMUM RADIUS.
  6. JOINTS IN THE CURB AND GUTTER SHALL ALIGN WITH CORRESPONDING JOINTS IN THE SIDEWALK.

**EXPANSION JOINTS AND SCORING LINES**

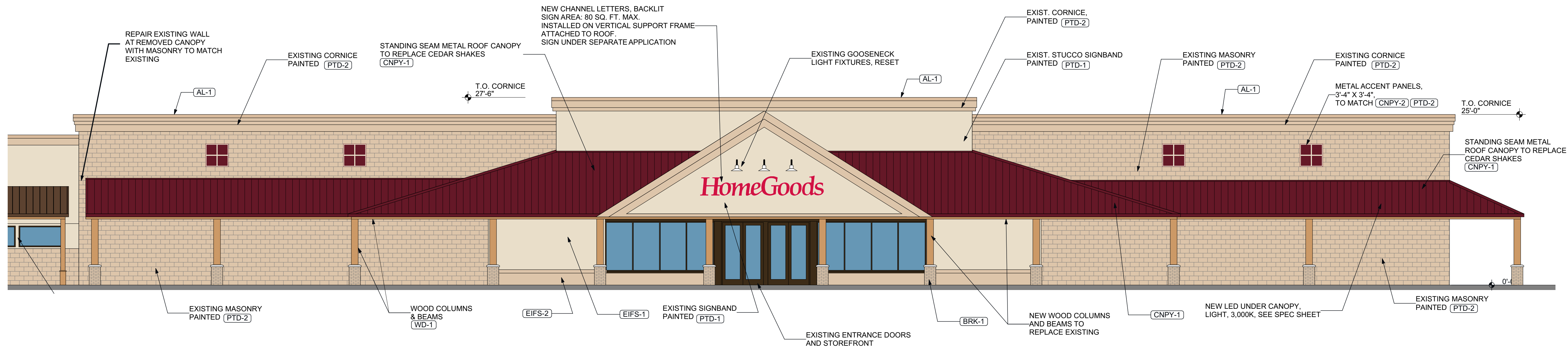
DETAIL 03300-007A

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PROJECT #:	I90235
DATE:	02/03/20
PREPARED BY:	HED
SHEET NUMBER:	3 OF 3



OVERALL FRONT ELEVATION  
NOT TO SCALE

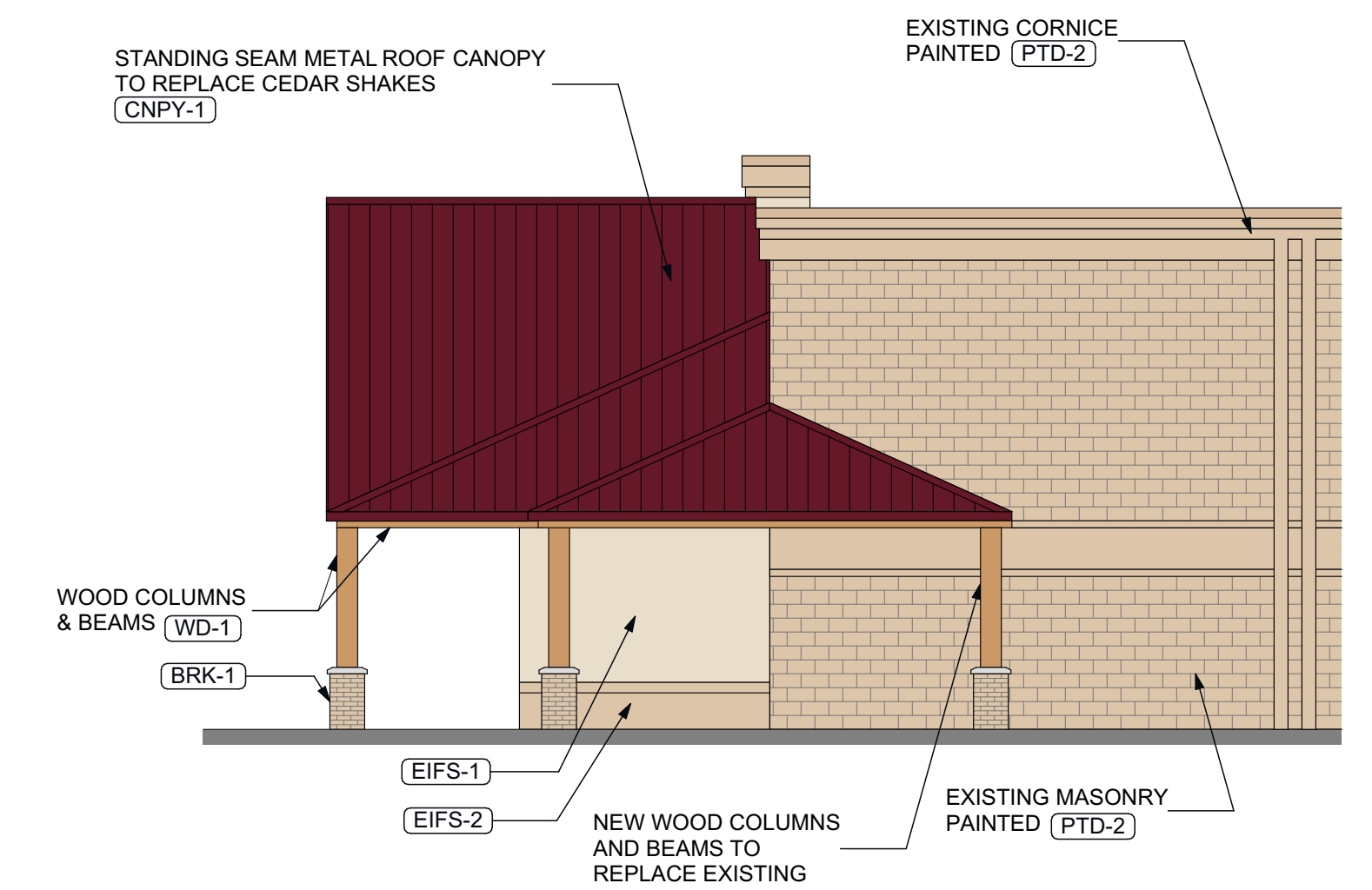


**PROPOSED FRONT ELEVATION A - HOMEGOODS**

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



**EXISTING**



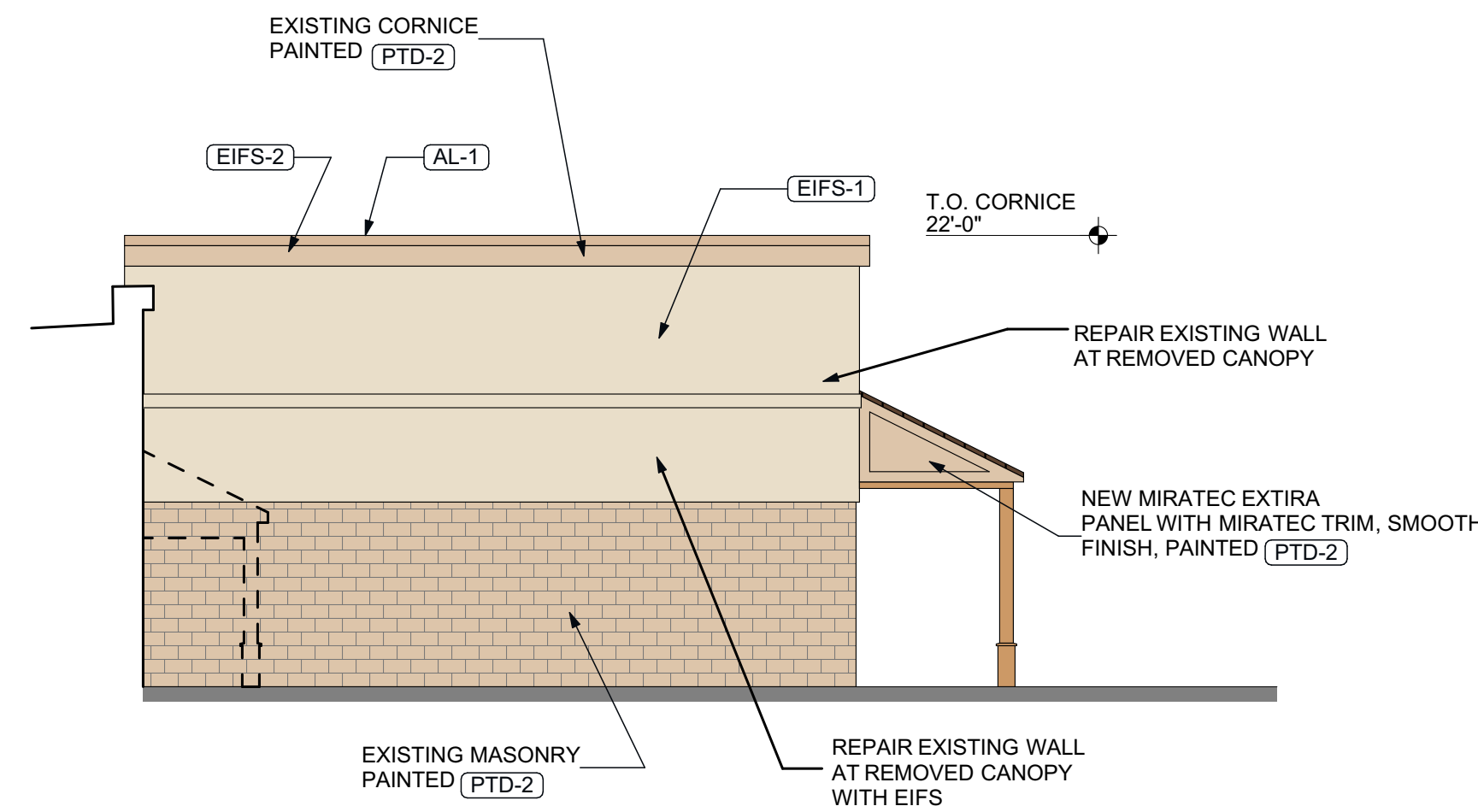
**PROPOSED RIGHT SIDE ELEVATION B**

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

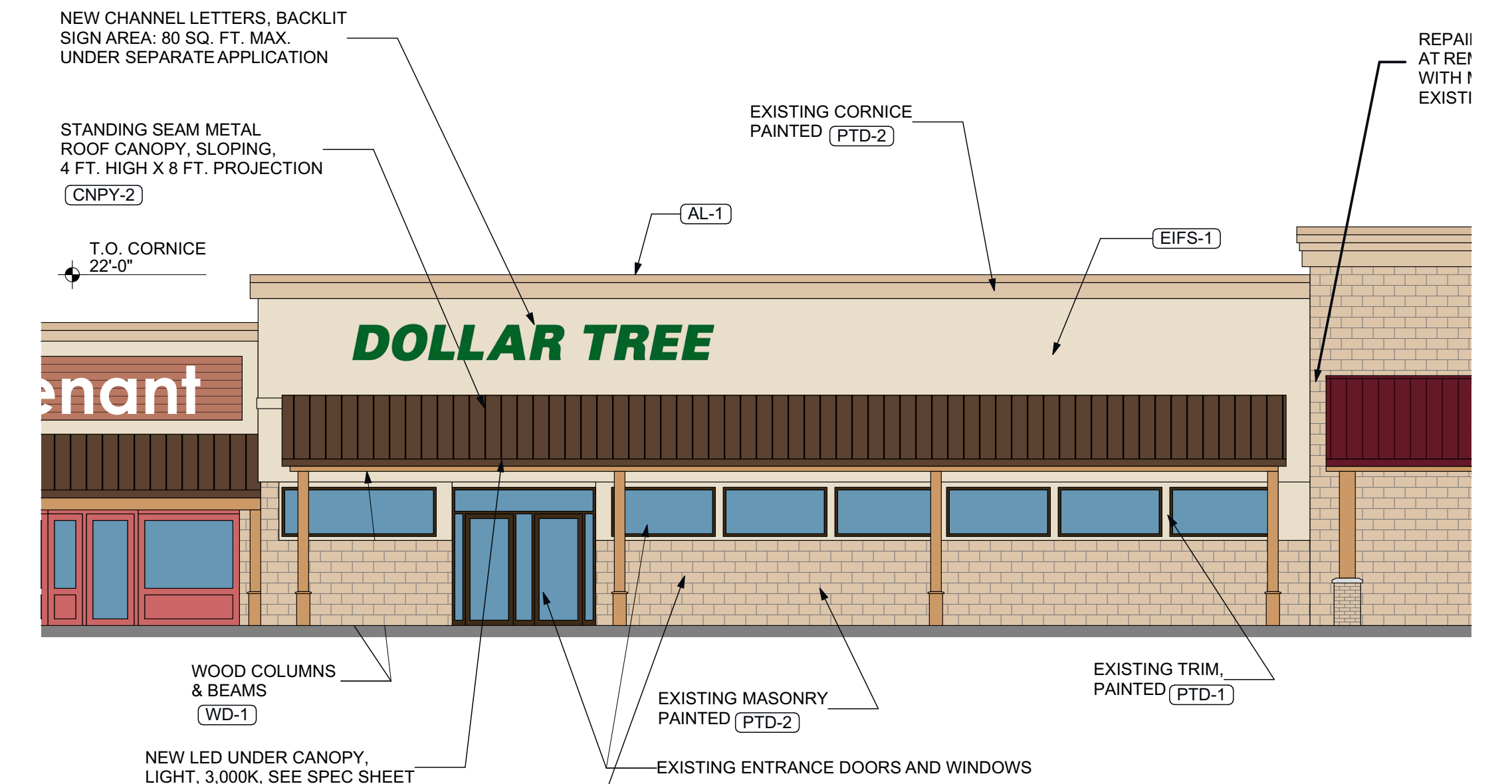
**MATERIALS LIST**

<b>AL-1</b>	<b>ALUMINUM COPING, GUTTERS AND DOWNSPOUTS</b> MANUFACTURER: ATAS MODEL: .040" SMOOTH COLORS: SIERRA TAN, REDWOOD FINISH: PREFINISHED, INCLUDES FLASHING & TRIM	<b>CNPY-1</b>	<b>STANDING SEAM METAL ROOF CANOPY</b> MANUFACTURER: ATAS MODEL: 1" FIELD-LOK, .032" SMOOTH ALUMINUM, 13.5" COVERAGE COLOR: REDWOOD
<b>BRK-1</b>	<b>FACE BRICK</b> MANUFACTURER: PALMETTO BRICK COLOR: HAMPTON, STANDARD SIZE FINISH: RUNNING BOND PAINTED: PTD-2	<b>CNPY-2</b>	<b>STANDING SEAM METAL ROOF CANOPY</b> MANUFACTURER: ATAS MODEL: 1" FIELD-LOK, .032" SMOOTH ALUMINUM, 13.5" COVERAGE COLOR: CHOCOLATE BROWN
<b>EIFS-1</b>	<b>EXTERIOR INSULATION FINISH SYSTEM (EIFS)</b> MANUFACTURER: DRYVIT COLOR: OUTSULATION MD, WATER-MANAGED FINISH: WEATHERLASTIC SMOOTH, COLOR TO MATCH PTD-1	<b>PTD-1</b>	<b>PAINT -1</b> MANUFACTURER: SHERWIN WILLIAMS COLOR: SW7529, SAND BEACH
<b>EIFS-2</b>	<b>EXTERIOR INSULATION FINISH SYSTEM (EIFS)</b> MANUFACTURER: DRYVIT COLOR: OUTSULATION MD, WATER-MANAGED FINISH: WEATHERLASTIC SMOOTH, COLOR TO MATCH PTD-2	<b>PTD-2</b>	<b>PAINT -2</b> MANUFACTURER: SHERWIN WILLIAMS COLOR: SW7518, BEACH HOUSE
<b>PNL-1</b>	<b>CEMENT BOARD PANEL - WOOD GRAIN</b> MANUFACTURER: NICHHA MODEL: VANTAGEWOOD COLOR: REDWOOD	<b>PTD-3</b>	<b>PAINT -3</b> MANUFACTURER: SHERWIN WILLIAMS COLOR: SW2854, CARIBBEAN CORAL
<b>TRIM-1</b>	<b>COMPOSITE PANEL - WOOD GRAIN</b> MANUFACTURER: JELD-WEN MIRATEC MODEL: EXTIRA, SMOOTH SELECT COLOR: PAINTED: PTD-3	<b>WD-1</b>	<b>WOOD -1</b> MANUFACTURER: DOUGLAS FIR WITH OLYMPIC FINISH MODEL: OLYMPIC STAIN + SEALER IN ONE COLOR: RED CEDAR





1 PROPOSED SIDE ELEVATION D - DOLLAR TREE  
SCALE: 1/8" = 1'-0"



1 PROPOSED FRONT ELEVATION C - DOLLAR TREE  
SCALE: 1/8" = 1'-0"



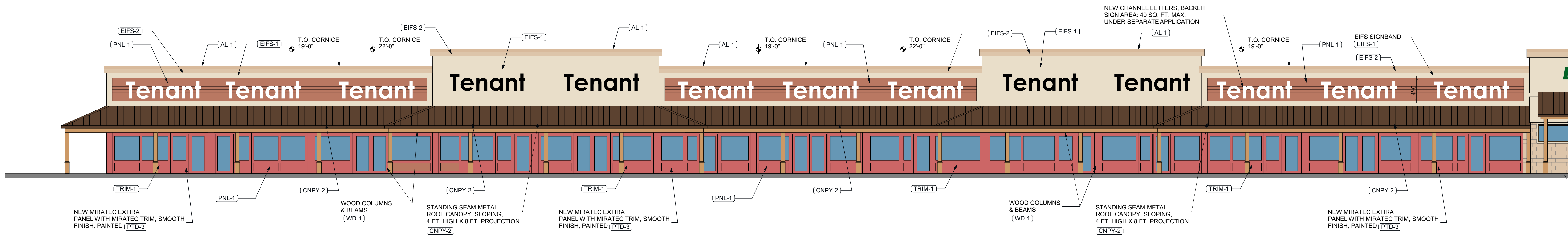
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EXISTING

**MATERIALS LIST**

<b>AL-1</b>	<b>ALUMINUM COPING, GUTTERS AND DOWNSPOUTS</b> MANUFACTURER: ATAS MODEL: .040" SMOOTH COLORS: SIERRA TAN, REDWOOD FINISH: PREFINISHED, INCLUDES FLASHING & TRIM	<b>CNPY-1</b>	<b>STANDING SEAM METAL ROOF CANOPY</b> MANUFACTURER: ATAS MODEL: 1" FIELD-LOK, .032" SMOOTH ALUMINUM, 13.5" COVERAGE COLOR: REDWOOD
<b>BRK-1</b>	<b>FACE BRICK</b> MANUFACTURER: PALMETTO BRICK COLOR: HAMPTON, STANDARD SIZE FINISH: RUNNING BOND PAINTED: PTD-2	<b>CNPY-2</b>	<b>STANDING SEAM METAL ROOF CANOPY</b> MANUFACTURER: ATAS MODEL: 1" FIELD-LOK, .032" SMOOTH ALUMINUM, 13.5" COVERAGE COLOR: CHOCOLATE BROWN
<b>EIFS-1</b>	<b>EXTERIOR INSULATION FINISH SYSTEM (EIFS)</b> MANUFACTURER: DRYVIT COLOR: OUTSULATION MD, WATER-MANAGED FINISH: WEATHERLASTIC SMOOTH, COLOR TO MATCH PTD-1	<b>PTD-1</b>	<b>PAINT -1</b> MANUFACTURER: SHERWIN WILLIAMS COLOR: SW7529, SAND BEACH
<b>EIFS-2</b>	<b>EXTERIOR INSULATION FINISH SYSTEM (EIFS)</b> MANUFACTURER: DRYVIT COLOR: OUTSULATION MD, WATER-MANAGED FINISH: WEATHERLASTIC SMOOTH, COLOR TO MATCH PTD-2	<b>PTD-2</b>	<b>PAINT -2</b> MANUFACTURER: SHERWIN WILLIAMS COLOR: SW7518, BEACH HOUSE
<b>PNL-1</b>	<b>CEMENT BOARD PANEL - WOOD GRAIN</b> MANUFACTURER: NICHHA MODEL: VANTAGEWOOD COLOR: REDWOOD	<b>PTD-3</b>	<b>PAINT -3</b> MANUFACTURER: SHERWIN WILLIAMS COLOR: SW2854, CARIBBEAN CORAL
<b>TRIM-1</b>	<b>COMPOSITE PANEL - WOOD GRAIN</b> MANUFACTURER: JELD-WEN MIRATEC MODEL: EXTIRA, SMOOTH SELECT COLOR: PAINTED: PTD-3	<b>WD-1</b>	<b>WOOD -1</b> MANUFACTURER: DOUGLAS FIR WITH OLYMPIC FINISH MODEL: OLYMPIC STAIN + SEALER IN ONE COLOR: RED CEDAR



**FRONT ELEVATION E - VILLAGE SHOPS, SOUTH**

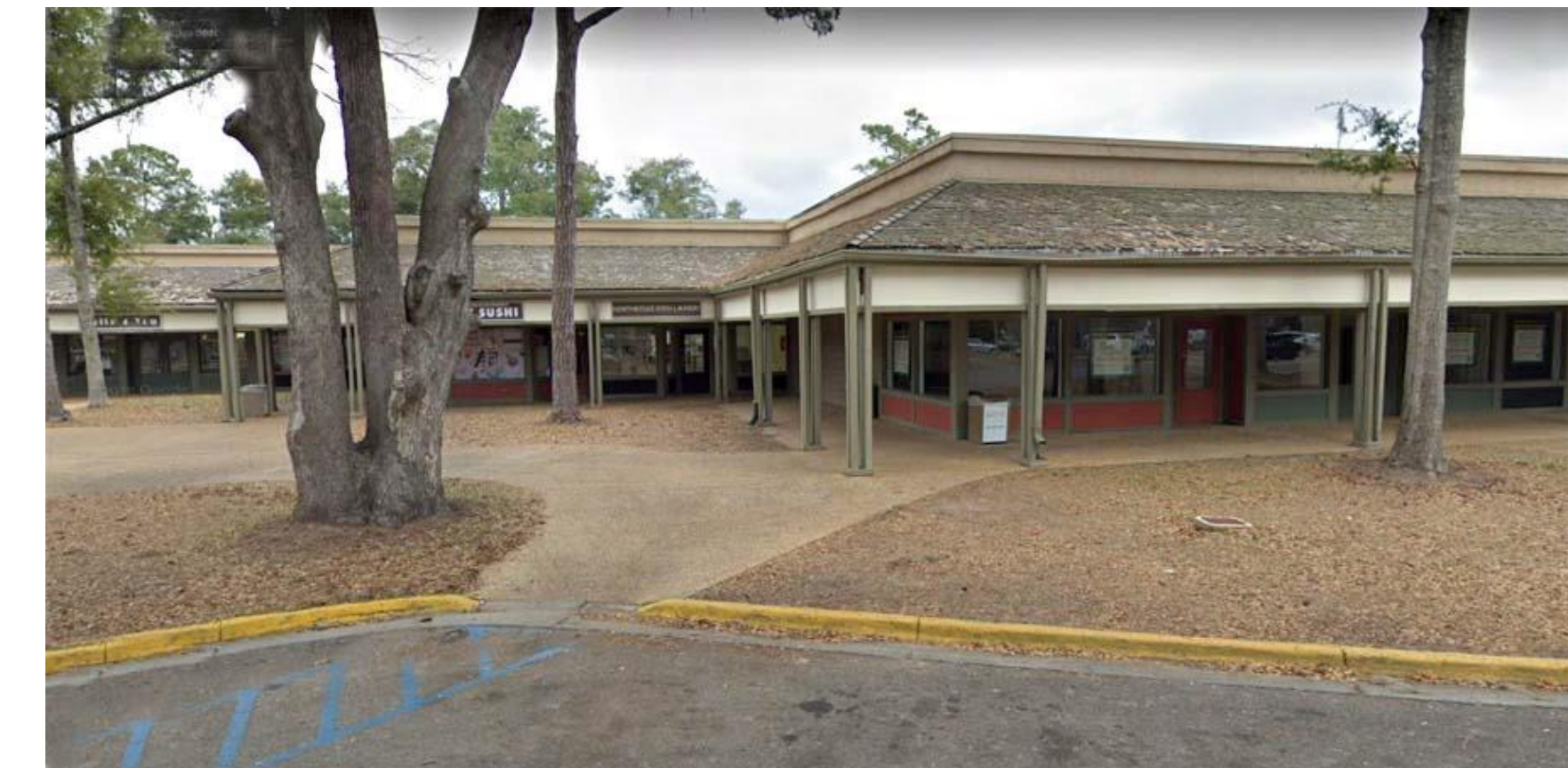
SCALE: 1/8" = 1'-0"



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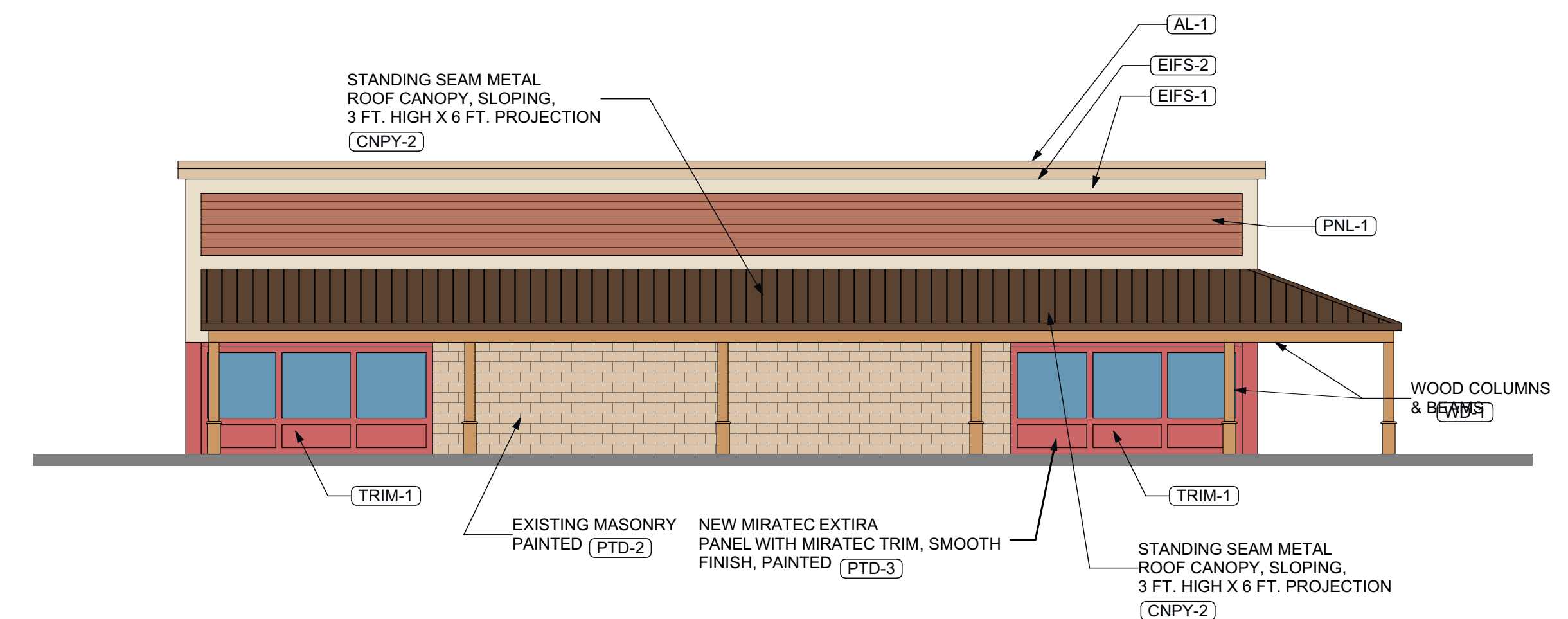
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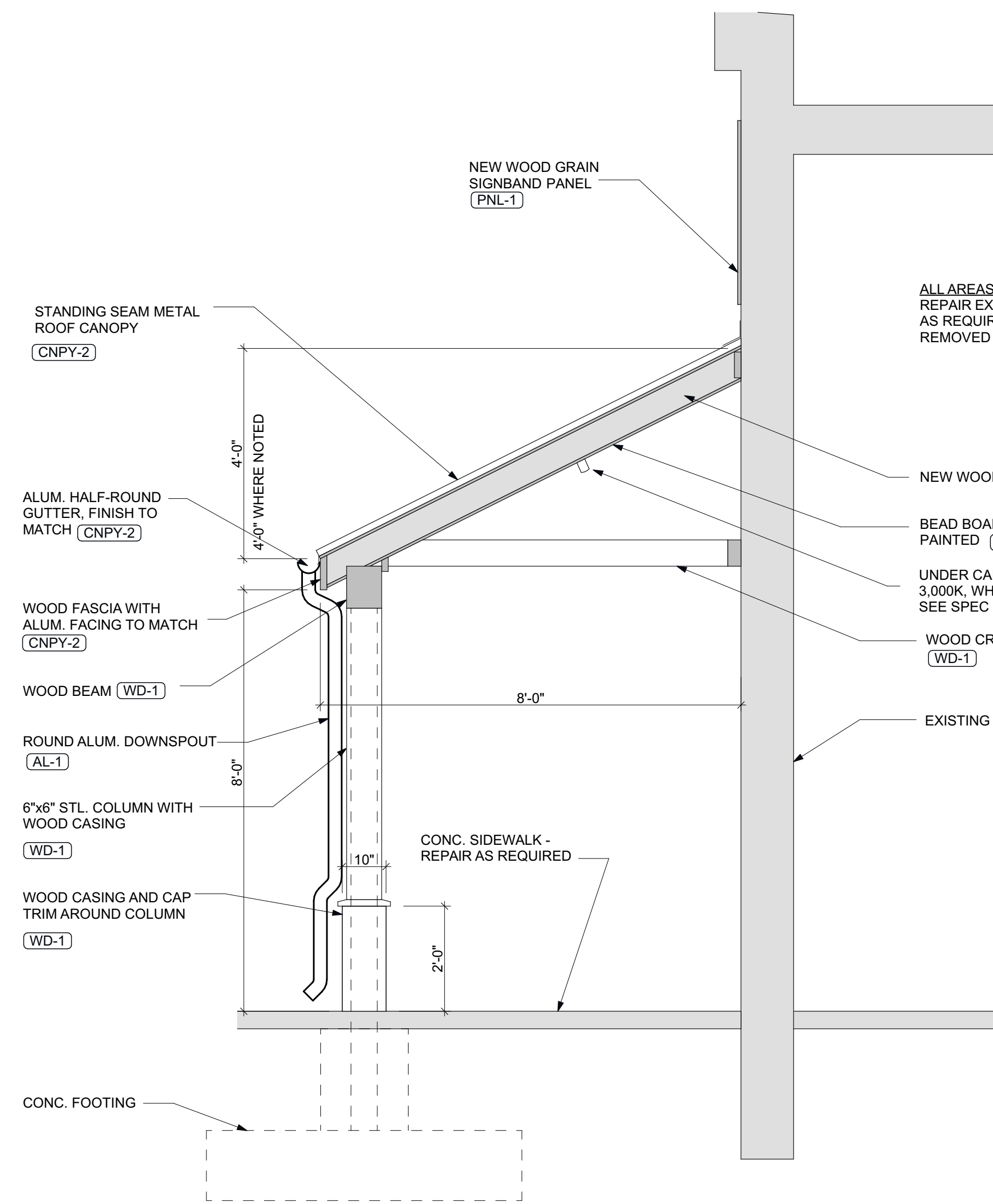
**MATERIALS LIST**

<b>AL-1</b>	<b>ALUMINUM COPING, GUTTERS AND DOWNSPOUTS</b> MANUFACTURER: ATAS MODEL: .040" SMOOTH COLORS: SIERRA TAN, REDWOOD FINISH: PREFINISHED, INCLUDES FLASHING & TRIM	<b>CNPY-1</b>	<b>STANDING SEAM METAL ROOF CANOPY</b> MANUFACTURER: ATAS MODEL: 1" FIELD-LOK, .032" SMOOTH ALUMINUM, 13.5" COVERAGE COLOR: REDWOOD
<b>BRK-1</b>	<b>FACE BRICK</b> MANUFACTURER: PALMETTO BRICK COLOR: HAMPTON, STANDARD SIZE FINISH: RUNNING BOND PAINTED: PTD-2	<b>CNPY-2</b>	<b>STANDING SEAM METAL ROOF CANOPY</b> MANUFACTURER: ATAS MODEL: 1" FIELD-LOK, .032" SMOOTH ALUMINUM, 13.5" COVERAGE COLOR: CHOCOLATE BROWN
<b>EIFS-1</b>	<b>EXTERIOR INSULATION FINISH SYSTEM (EIFS)</b> MANUFACTURER: DRYVIT COLOR: OUTSULATION MD, WATER-MANAGED FINISH: WEATHERLASTIC SMOOTH, COLOR TO MATCH PTD-1	<b>PTD-1</b>	<b>PAINT -1</b> MANUFACTURER: SHERWIN WILLIAMS COLOR: SW7529, SAND BEACH
<b>EIFS-2</b>	<b>EXTERIOR INSULATION FINISH SYSTEM (EIFS)</b> MANUFACTURER: DRYVIT COLOR: OUTSULATION MD, WATER-MANAGED FINISH: WEATHERLASTIC SMOOTH, COLOR TO MATCH PTD-2	<b>PTD-2</b>	<b>PAINT -2</b> MANUFACTURER: SHERWIN WILLIAMS COLOR: SW7518, BEACH HOUSE
<b>PNL-1</b>	<b>CEMENT BOARD PANEL - WOOD GRAIN</b> MANUFACTURER: NICHIIHA MODEL: VANTAGEWOOD COLOR: REDWOOD	<b>PTD-3</b>	<b>PAINT -3</b> MANUFACTURER: SHERWIN WILLIAMS COLOR: SW2854, CARIBBEAN CORAL
<b>TRIM-1</b>	<b>COMPOSITE PANEL - WOOD GRAIN</b> MANUFACTURER: JELD-WEN MIRATEC MODEL: EXTIRA, SMOOTH SELECT COLOR: PAINTED: PTD-3	<b>WD-1</b>	<b>WOOD -1</b> MANUFACTURER: DOUGLAS FIR WITH OLYMPIC FINISH MODEL: OLYMPIC STAIN + SEALER IN ONE COLOR: RED CEDAR



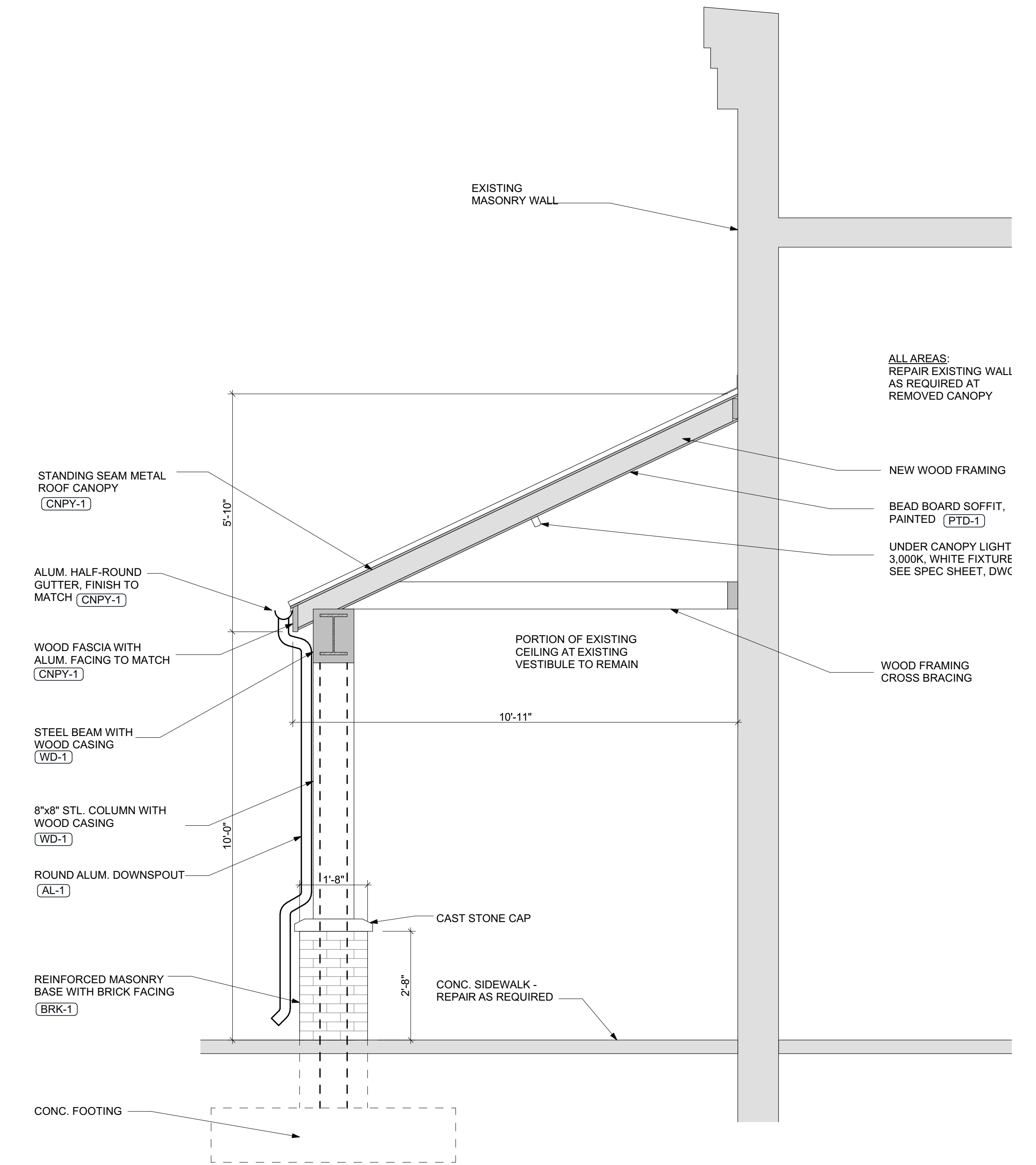
**COURTYARD ELEVATION F - VILLAGE SHOPS, SOUTH**

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



CANOPY SECTION - VILLAGE SHOPS

SCALE: 1/2" = 1'-0"



CANOPY SECTION - HOMEGOODS

SCALE: 1/2" = 1'-0"

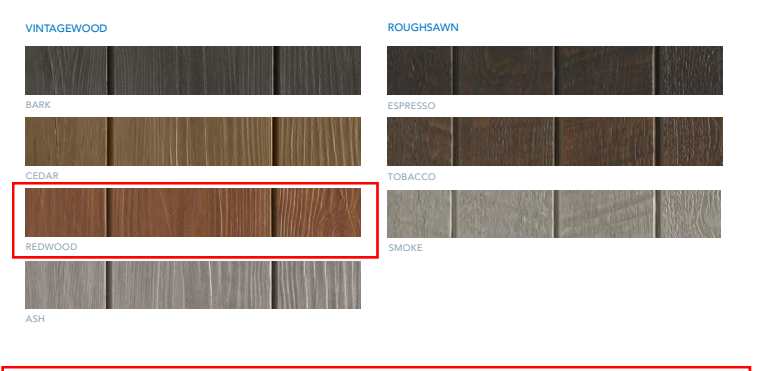


Table with specifications for WINGWOOD species, including dimensions, weight, and packaging details for different panel sizes.

Get the natural look of wood with the unmatched durability of fiber cement. Nichiha provides the look of wood without the drawbacks of natural wood cladding. Built to last, our "Virtuofiber"™ and "RoughSawn"™ products offer the rich textures of wood while providing color stability and extraordinary extreme weather resistance.

Table with specifications for WINGWOOD species, including dimensions, weight, and packaging details for different panel sizes.

MIRATEC by JELD-WEN | EXTRIRA by JELD-WEN



EXTRIRA PANELS ARE ENGINEERED FOR OUTDOOR USE

Made with the same proprietary TEC™ process used to make MiraTEC. Extrira is a revolutionary product for exterior applications that performs better than wood or MDF. Extrira panels may look like MDF, but they don't perform like it.

Extrira is easy to work with, can be carved, routed and machined. Resists moisture, rot, and termites. Twice as strong as MDF. Extrira is made to be used outside.

Plus, Extrira panels are covered by an industry-leading 10-year limited warranty that far exceeds competitive panel products. Download the warranty for complete details.

- Extrira Warranty, English
• Extrira Warranty, Spanish
• Extrira Warranty, French

Acrobat Reader is needed to view PDF files. Click here to download a free copy of Acrobat Reader

EXTRIRA PANELS SIZE RANGE

With Five Thicknesses and Three Panel Sizes, Extrira Measures Up to Any Project

Table showing thickness options (7/16", 1/2", 5/8", 11/16", 3/4", 1", 1-1/4") and panel sizes (4' x 8', 4' x 16', 2' x 16').

MIRATEC by JELD-WEN | EXTRIRA by JELD-WEN

MIRATEC SMOOTH SELECT



MiraTEC Smooth Select builds on the solid TEC™ process to deliver a ultra-smooth exterior trim. The nearly-square corners add a contemporary feel that looks like PVC, but at more affordable price point.

Made from the patented TEC™ process, MiraTEC Treated Exterior Composite Trim combines the eye-catching beauty of authentic woodgrain with the long-lasting performance of an engineered product.

MiraTEC Treated Exterior Composite Trim is the first and only wood composite trim to earn an evaluation report from ICC Evaluation Service (ICC-ES). To view ESR-3043 visit the ICC website at: http://www.icc-es.org/reports/pdf\_files/ICC-ES-ESR-3043.pdf

Competitive and long term performance testing shows MiraTEC resists moisture, rot and termites and outperforms the competition in several key areas:

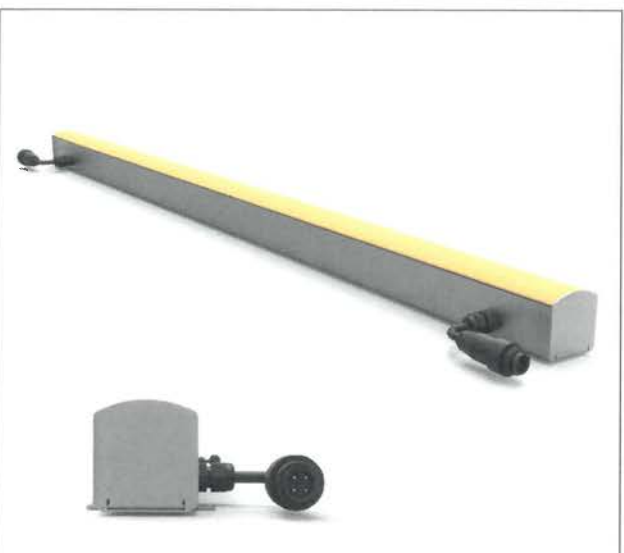
- Moisture resistant: As measured by ASTM D1037 for water absorption and thickness swelling
• Rot resistant: Tested per ANSI A193 Fungal Test for Evaluation of Wood Preservatives to be Used Out of Ground Contact: Horizontal Log-Split Method
• Termite resistant: As measured by AWPA E7 Standard Method of Evaluating Wood Preservatives by Field Tests with Stakes.



PNL-1 NICHIIHA PANEL

24V Continuum™ Outdoor

CAT: PROJECT FEET. TYPE: PROJECT



Continuum™ Outdoor LED rigid cove fixture represents the latest in high-quality linear LED cove lighting from Trivolt Lighting. This simple yet elegant, low-profile luminaire delivers up to 343 lumens per foot of white light, or in RGB at an affordable price.

- Surface-mounted linkable linear strip fixture
• Trivolt flexible LED PCB engine inside
• Heavy-gauge extruded aluminum
• Lumens ranging from 172 to 343
• Available in manufactured continuous lengths up to 8'
• Off-Set electrical connection system allows for seamless connection
• Flood "easy mount" mounting brackets included
• 90+ CRI available
• UL Wet Listed

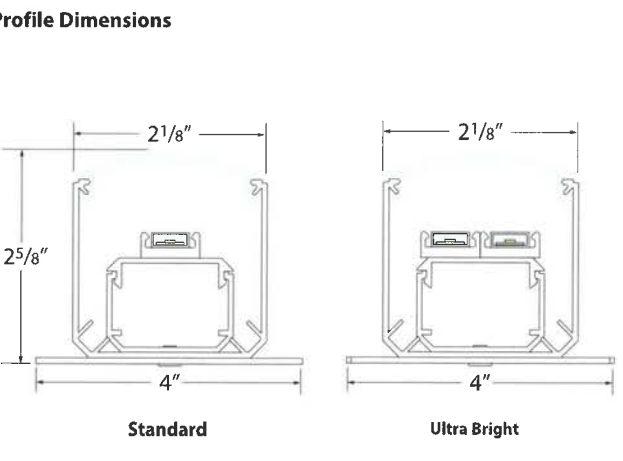
Mounting This unit features factory attached swivel mounting brackets. Attach multiple fixtures with water-tight interconnection system.

Applications • Ideal for direct or indirect cove and architectural applications.
• Replace fluorescent lighting with high efficiency LEDs or as a new construction element.
• Use for indoor or outdoor applications.



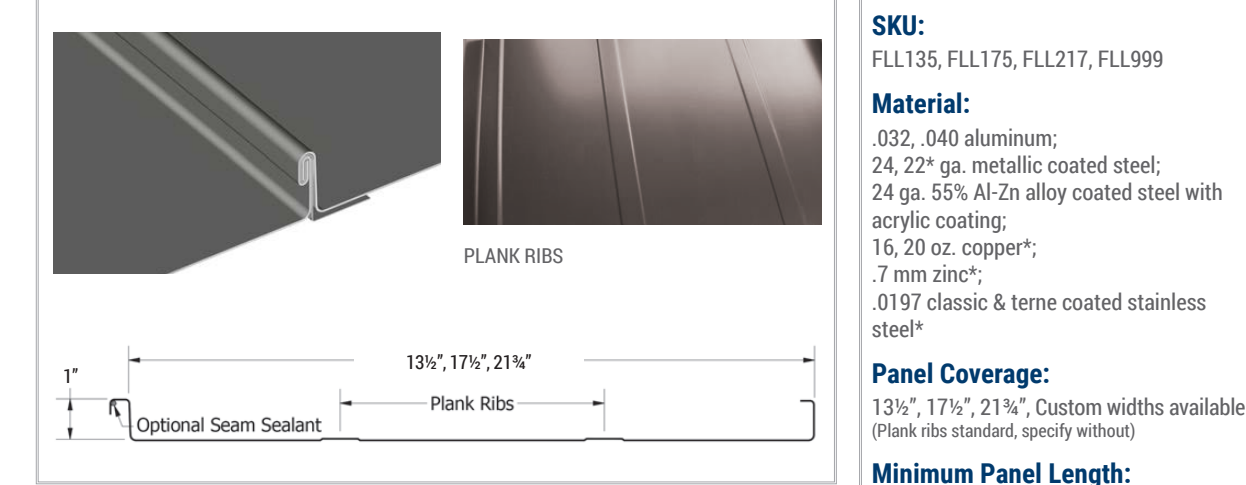
Technical Information

Table with specifications for Continuum outdoor lighting, including lumens, wattage, and temperature ratings.



UNDER CANOPY LIGHTING

1" FIELD-LOK™



SKU: FLL35, FLL175, FLL217, FLL999
Material: .032, .040 aluminum; .24, .22" ga. metallic coated steel; 24 ga. 55% Al-Zn alloy coated steel with acrylic coating; 16, 20 oz. copper\*; 7 mm zinc\*; .019" classic & terne coated stainless steel\*
Panel Coverage: 13'6", 17'6", 21'6", Custom widths available (Plank ribs standard, specify without)
Minimum Panel Length: 4'-0"
Seam Height: 4'-0"
Available: Tapered, Curved (Convex)
Texture: Smooth
Minimum Slope: 2:12 depending on climate conditions

Application: Applications include commercial roofs, to be installed on a solid deck (plywood/metal), and curved panel systems over entrances and walkways. Concealed fastener system. Eave notching is available for drip edge engagement.
Performance Standards: Tested in accordance with UL 580, UL 1897, UL 790/ASTM E 108, UL 2218

For more information: Visit www.atas.com/11 800.468.1441 | 13

CANOPY-1, CANOPY-2 ATAS METAL ROOF

FASCIA & COPING

Grid of images and descriptions for various fascia and coping products: Drip Edge Fascia, Gravel Stop Fascia, Continuous Cleat Coping, Edge-Lok 2 Fascia, Edge-Lok 3 Fascia, Rapid-Lok Coping, Rapid-Lok Fascia, Rapid-Lok Extruded Fascia, Rapid-Lok Ultra Coping.

WATER CONTROL AND SUPPLEMENTAL EDGE SYSTEMS

Grid of images and descriptions for water control systems: Commercial Gutter, Flow-Through Gravel Stop and Drain Bar, Drain Bar, Fascia Extender, Ledge Cap, Ultra HP Gutter, Downspout, Counter Flashing, Suppers and Collector Boxes.



ATAS International, Inc. Sustainable Building Envelope Technology 800.468.1441



www.atas.com Sustainable Building Envelope Technology ATAS International, Inc.

ALUMINUM TRIM, GUTTERS, DOWNSPOUTS

Ignarri Lummmis ARCHITECTS logo and contact information: 601 CHAPEL AVENUE EAST CHERRY HILL, NEW JERSEY 08034

GATOR INVESTMENTS logo and contact information: 7850 NW 146th St., 4th Floor Miami Lakes, Florida 33016

NORTHRIDGE PLAZA MATERIAL SPEC SHEETS

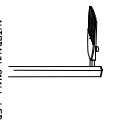
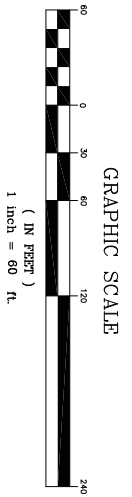
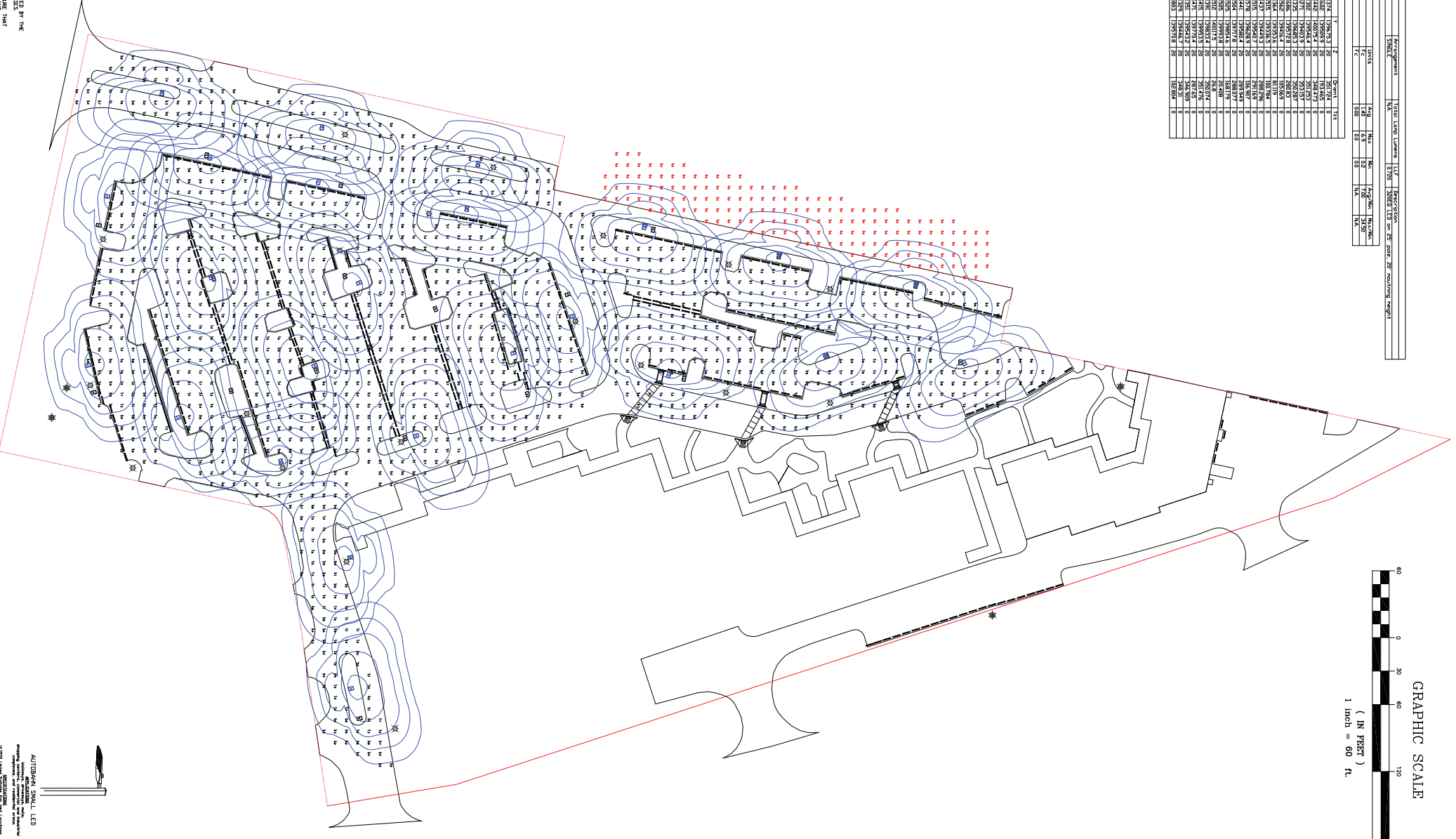
435 William Hilton Parkway, Hilton Head, SC 9549 // 3-12-2020

David N Lummmis AIA SC Reg. Architect 4215

MA-106

Property Section	Area	Development	Total Land Labeled	LY	2000 LED on 20' Spacing Height
Section 24	Large Autoclave	NA	1720	1300	NA
<b>Collection Summary</b>					
Collection	Area	LY	Area	LY	Area
Autoclave	1720	1300	1720	1300	1720
Other	0	0	0	0	0
<b>Total</b>	<b>1720</b>	<b>1300</b>	<b>1720</b>	<b>1300</b>	<b>1720</b>

Location	Section	Area	LY	Area	LY
1	Large Autoclave	1720	1300	1720	1300
2	Large Autoclave	1720	1300	1720	1300
3	Large Autoclave	1720	1300	1720	1300
4	Large Autoclave	1720	1300	1720	1300
5	Large Autoclave	1720	1300	1720	1300
6	Large Autoclave	1720	1300	1720	1300
7	Large Autoclave	1720	1300	1720	1300
8	Large Autoclave	1720	1300	1720	1300
9	Large Autoclave	1720	1300	1720	1300
10	Large Autoclave	1720	1300	1720	1300
11	Large Autoclave	1720	1300	1720	1300
12	Large Autoclave	1720	1300	1720	1300
13	Large Autoclave	1720	1300	1720	1300
14	Large Autoclave	1720	1300	1720	1300
15	Large Autoclave	1720	1300	1720	1300
16	Large Autoclave	1720	1300	1720	1300
17	Large Autoclave	1720	1300	1720	1300
18	Large Autoclave	1720	1300	1720	1300
19	Large Autoclave	1720	1300	1720	1300
20	Large Autoclave	1720	1300	1720	1300
21	Large Autoclave	1720	1300	1720	1300
22	Large Autoclave	1720	1300	1720	1300
23	Large Autoclave	1720	1300	1720	1300
24	Large Autoclave	1720	1300	1720	1300



**AUTUMN SMALL LED**  
 Luminaire: AUTUMN SMALL LED  
 Pole: 15' TALL  
 Spacing: 60' x 60'  
 Height: 21' TALL  
 Luminaire: AUTUMN SMALL LED  
 Pole: 15' TALL  
 Spacing: 60' x 60'  
 Height: 21' TALL

**NOTES**

1. THIS PROPOSED LIGHTING DESIGN AS REQUESTED BY THE CUSTOMER IS AS REQUESTED BY LOCAL GOVERNING AGENCIES.
2. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO ENSURE THAT ALL LOCAL GOVERNING AGENCIES HAVE BEEN ADVISED OF THE PROPOSED LIGHTING DESIGN AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM ALL GOVERNING AGENCIES.
3. ANY OBSTRUCTIONS ON THE SUBSCRIPTION OF WHICH THE LIGHTING DESIGN MAY BE AFFECTED SHALL BE REMOVED FROM THE SITE PRIOR TO CONSTRUCTION.
4. THE EXACT LOCATION OF THE LIGHT POLES WILL BE VERIFIED BY THE FIELD ENGINEER AND SHALL BE SHOWN ON THE FINAL PLANS TO CONSTRUCTION.

THESE PLANS ARE FOR THE APPROVAL AND CONSTRUCTION OF THE LIGHTING DESIGN ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL GOVERNING AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL GOVERNING AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL GOVERNING AGENCIES.

**LIGHTING PROPOSAL FOR**  
 NORTHBRIDGE PLAZA  
 MATTHEWS DRIVE & WILLIAM HILTON PARKWAY  
 HILTON HEAD ISLAND  
 BRAUDFORD COUNTY, SOUTH CAROLINA

MAP NO. 000000000  
 PROJECT NO. 1900000-2  
 SCALE: 1" = 60'  
 DATE: 3/9/20  
 DRAWN BY: RST  
 CHECKED BY: ME  
 DESIGNED BY: ME



**PALMETTO ELECTRIC COOPERATIVE, INC.**  
 1 COOPERATIVE WAY  
 HARDEVILLE, SOUTH CAROLINA 29927  
 (843) 208-5561 / FAX (843) 208-5562

**TURF AND GRASSING NOTES:**

- GRASS SEED: PROVIDE FRESH, CLEAN, NEW-CROP SEED COMPLYING WITH TOLERANCE FOR PURITY AND GERMINATION ESTABLISHED BY OFFICIAL SEED ANALYSIS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES, PROPORTIONS AND MINIMUM PERCENTAGES OF PURITY, GERMINATION, AND MAXIMUM PERCENTAGE OF WEED SEED, AS SPECIFIED SEED MANUFACTURER.
- SOD SHALL BE STRONGLY ROOTED AND FREE OF PERNICIOUS WEEDS. ALL NETTING SHALL BE REMOVED FROM SOD BEFORE IT IS LAID.
- ALL AREAS IN WHICH EARTHWORK SHALL BE SUSPENDED FOR MORE THAN TWO (2) WEEKS SHALL BE GRASSED WITH TEMPORARY GRASS.
- AFTER TOPSOIL HAS BEEN INSTALLED, AND BEFORE ANY SOD IS LAID, CORRECT ALL SOFT SPOTS AND IRREGULARITIES IN GRADE. THE SOD SHALL BE LAID BY BUTTING THE ENDS AND SIDES UP EVENLY AND STAGGERING THE ROLLS OF SOD. CONTRACTOR SHALL NOT OVERLAP SOD. AS SOON AS THE SOD IS LAID OR AS IT IS BEING LAID ROLL OVER WITH A LIGHT ROLLER, MAKING CERTAIN THAT ALL OF THE SOD IS IN CONTACT WITH THE SOIL. THE COMPLETED SODDED AREAS SHALL BE TRUE TO FINISH GRADE, EVEN AND FIRM AT ALL POINTS.
- SEED SHALL BE AT A RATE OF 10 POUNDS PER ACRE.
- THIRTY DAYS AFTER LAST SEEDING/SODDING OPERATION, APPLY 1 POUND OF TYPE A NITROGEN FERTILIZER PER ACRE OF LAWN AREAS AND IMMEDIATELY WATER.
- UPON COMPLETION OF PLANTINGS ALL EXCESS SOIL STONES AND DEBRIS WHICH HAS NOT PREVIOUSLY BEEN CLEANED UP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- ALL LAWN AREAS THAT DO NOT SHOW SATISFACTORY GROWTH WITHIN (18) DAYS AFTER PLANTING SHALL BE RE-PLANTED AND RE-FERTILIZED AS SPECIFIED UNTIL A SATISFACTORY LAWN IS ESTABLISHED. THE LAWN SHALL BE CONSIDERED ESTABLISHED WHEN ITS REASONABLY FREE FROM WEED, GREEN IN APPEARANCE AND THE SPECIFIED GRASS IS VIGOROUS AND GROWING WELL ON EACH SQ. FT. OF LAWN AREA.
- LAWN SHALL BE PROTECTED AND MAINTAINED BY WATERING, MOWING, AND REPLANTING, OVERSEEDING, AS NECESSARY FOR AS LONG AS IS NECESSARY TO ESTABLISH A UNIFORM STAND. SCATTERED BARE SPOTS, NONE OF WHICH IS LARGER THAN ONE SQ. FT., WILL BE ALLOWED UP TO MAXIMUM OF THREE PERCENT OF ANY LAWN AREA. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY EROSIONAL DAMAGE TO THE LAWN AREA. FULL COVERAGE IS REQUIRED IN SIXTY DAYS.
- MAINTENANCE OF GRASSED AREAS SHALL CONSIST OF MOWING, WATERING AND FERTILIZING. ALL GRASSED AREAS SHALL BE MAINTAINED AT A HEIGHT NOT TO EXCEED 6" ABOVE FINISHED GRADE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL GRASSED AREAS UNTIL ACCEPTANCE BY OWNER AT END OF PROJECT. LAWN MAINTENANCE SHALL OCCUR AT A MINIMUM OF ONCE PER SEVEN CALENDAR DAYS.
- FINAL SEEDING AND SOD AREAS / SQUARE FOOTAGES TO BE PAINTED IN FIELD AND APPROVED AND ADJUSTED IN FIELD BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- SEEDING SHALL TAKE PLACE IMMEDIATELY AFTER FINE GRADING. MAINTAIN SEEDED LAWN UNTIL COMPLETION AND ACCEPTANCE OF ENTIRE PROJECT.
- SEEDING BED SHALL HAVE TOPSOIL LOOSEN TO A DEPTH OF 4". REMOVE STONE OVER 1" IN ANY DIMENSION, ROOTS, RUBBISH, AND EXTRANEOUS MATTER.

**LIGHTING NOTES:**

- THE INTENT OF THE LIGHTING DESIGN IS TO PROVIDE LOW LEVEL UNOBTRUSIVE SITE LIGHTING OR ARCHITECTURAL ELEMENTS. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO CREATE THIS EFFECT BY CLOSE COORDINATION WITH THE LANDSCAPE ARCHITECT AND CAREFUL PLACEMENT OF ALL FIXTURES.
- THE CONTRACTOR SHALL ENGINEER THE ELECTRICAL SYSTEM BASED ON THE LOCATION AND TYPE OF FIXTURES AS SHOWN ON THE PLAN. PROPERLY SIZED WIRING, TRANSFORMERS, BREAKERS, ACCESSORIES, ETC., SHALL BE PROVIDED BY THE CONTRACTOR AS NECESSARY TO GUARANTEE A COMPLETELY FUNCTIONAL LIGHTING, DISTRIBUTION AND CONTROL SYSTEM.
- CONTRACTOR TO PROVIDE ELECTRICAL PLANS AND SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT AND OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- ALL LIGHTING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS, AND MUST COMPLY WITH ALL APPLICABLE STATE AND COUNTY CODES.
- THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS AND INSPECTION / APPROVALS REQUIRED.
- THE CONTRACTOR SHALL STAKE OUT ALL LIGHT FIXTURE AND TRANSFORMER LOCATIONS FOR APPROVAL BY THE LANDSCAPE ARCHITECT, OWNER, OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. EXACT LOCATIONS OF CONTROLLERS, ELECTRICAL PANELS, ETC. TO BE COORDINATED WITH AND APPROVED BY OWNER, OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
- FINAL AIMING AND ADJUSTMENT SHALL BE MADE AT NIGHT WITH LANDSCAPE ARCHITECT PRESENT TO GIVE FINAL APPROVAL.
- THE CONTRACTOR SHALL COORDINATE, STAKE AND FLAG ALL LOCATIONS WHERE ELECTRICAL CONDUIT OR P.V.C. SLEEVING MAY BE REQUIRED BENEATH WALKS OR OTHER PAVED AREAS PRIOR TO HARDSCAPE INSTALLATION.
- ALL ELECTRICAL WIRING RUNNING UNDER PAVED AREAS SHALL BE PLACED IN ELECTRICAL CONDUIT OR PVC SLEEVES PROVIDED BY CONTRACTOR.
- CONTRACTOR SHALL RUN ALL NECESSARY ELECTRICAL WIRING TO UTILITY PANEL AND TRANSFORMER.
- CONTRACTOR SHALL PROVIDE A MINIMUM OF 36" OF BURIES EXCESS CABLE AT EACH FIXTURE TO ALLOW FOR FIXTURE ADJUSTMENT.
- ALL LIGHTING TO BE PLACED ON AN APPROPRIATE TIMER. THE CONTRACTOR SHALL SELECT AN APPROPRIATE TIMER FOR ALL LIGHTS AND SET THE TIME APPROPRIATELY FOR PROPER NIGHT TIME ILLUMINATION, FOR APPROVAL BY OWNER OR OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL PROVIDE GROUND FAULT CIRCUIT BREAKERS FOR ALL CIRCUITS AS REQUIRED BY NATIONAL, STATE AND LOCAL CODES.
- THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, LABOR, EXCAVATION AND BACKFILL NECESSARY TO COMPLETE THE WORK.
- ALL FIXTURES PER MODELS SPECIFIED UNLESS CONTRACTOR GETS APPROVAL FROM LANDSCAPE ARCHITECT FOR A SUBSTITUTION.
- SYSTEM INSTALLATION, INCLUDING PARTS AND LABOR, SHALL BE GUARANTEED AND REPAIRED AS NECESSARY BY THE CONTRACTOR FOR ONE YEAR.
- CONTRACTOR TO PROVIDE "AS-BUILT" DRAWINGS IMMEDIATELY AFTER FINAL ACCEPTANCE, ALONG WITH ALL INSTRUCTION MANUALS FOR ALL EQUIPMENT INSTALLED.
- IF POSSIBLE, FIELD MODIFICATIONS WILL BE DIRECTED BY THE LANDSCAPE ARCHITECT, OWNER OR OWNER'S REPRESENTATIVE.

**PLANTING NOTES:**

- CONTRACTOR IS RESPONSIBLE FOR INSPECTION OF EXISTING CONDITIONS, INCLUDING UTILITIES, AND PROMPTLY REPORTING ANY DISCREPANCIES OR CONFLICTS WITH PLANTING AREAS. REPORT INFORMATION TO OWNER, OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE AND MAKE REPAIRS THAT MAY OCCUR TO EXISTING UTILITIES IN ACCORDANCE WITH NATIONAL, STATE AND LOCAL CODES.
- LANDSCAPE PLANTING AND / OR MULCHED AREAS TO BE FINE GRADED, HAND RAKED SMOOTH AND FREE OF DEBRIS.
- CONTRACTOR TO PERFORM SOIL TESTS AS NECESSARY TO ASSURE PLANT HEALTH AND GROWTH.
- MULCH ALL PLANTING BEDS TO A MIN. 3" DEPTH WITH MULCH SPECIFIED IN PLANT SCHEDULE.
- CONTRACTOR VERIFIES THAT ALL PLANT MATERIAL IS DETERMINED AVAILABLE AS SPECIFIED WHEN BID / PROPOSAL IS SUBMITTED.
- PLANT SCHEDULE WAS PREPARED FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL MAKE OWN QUANTITY TAKEOFFS USING DRAWINGS TO DETERMINE QUANTITIES TO HIS SATISFACTION, REPORTING PROMPTLY ANY DISCREPANCIES WHICH MAY AFFECT BIDDING.
- GALLON SIZES ARE FOR PRICING PURPOSES ONLY. PLANT MUST MEET HEIGHTS AND WIDTHS SPECIFIED IN PLANT SCHEDULE.
- ROOT TYPE MAY BE FREELY SUBSTITUTED IN CASE OF BALLED AND BURLAPPED OR CONTAINER GROWN, OTHER SPECIFICATIONS REMAINING UNCHANGED, EXCEPT IN THE CASE OF CONTAINER GROWN SPECIMEN TREES AS INDICATED IN THE TREE PLANTING SCHEDULE.
- ANY SIGNIFICANT ROOTS ENCOUNTERED 2" DIA. AND LARGER SHALL BE DUG OUT BY HAND AND CLEANLY CUT BACK IN THE FOOTING / FOUNDATION AREA TO PROMOTE ROOT RE-GROWTH AND HELP PREVENT ROOT DIEBACK.
- ALL PLANT MATERIAL (EXCEPT SEASONAL COLOR) SHALL BE GUARANTEED AND REPLACED AS NECESSARY BY THE CONTRACTOR FOR ONE YEAR.
- ALL SEASONAL COLOR SHALL BE GUARANTEED AND REPLACED AS NECESSARY BY THE CONTRACTOR FOR THREE MONTH TIME FRAMES.

**NOTE: EXISTING SPECIMEN TREES (PER TOWN OF HILTON HEAD LMO SEC. 16-6-104.F.1) TO REMAIN SHALL RECEIVE FERTILIZATION AND MYCOR TREATMENT PRIOR TO CONSTRUCTION AND CLEARING ACTIVITIES. PROOF OF WORK TO BE SUBMITTED TO TOWN STAFF. TREE HEALTH WILL BE MONITORED DURING CONSTRUCTION BY LICENSED ARBORIST, AND AN ADDITIONAL FERTILIZATION AND ROOT STIMULATION PROVIDED POST-CONSTRUCTION. ALL EXISTING TREES TO REMAIN SHALL RECEIVE ONE ROUND OF FERTILIZATION AND ROOT STIMULATION POST-CONSTRUCTION AND A MAINTENANCE SCHEDULE GENERATED BY LICENSED ARBORIST FOR HEALTH AND PRESERVATION OF TREES GOING FORWARD.**

**IRRIGATION NOTES:**

- CONTRACTOR TO SUPPLY AUTOMATIC IRRIGATION SYSTEM, COMPLETE AND INSTALLED. SYSTEM TO INCLUDE ALL VALVES, PIPES, HEADS, FITTINGS, BACK FLOW CONTROLLER, AND IRRIGATION METER AND TO PROVIDE 100% COVERAGE FOR ALL NEW PLANTINGS. DRIP IRRIGATION TO BE USED FOR ALL PLANTINGS, EXCEPT LAWNS.
- NO IRRIGATION COMPONENTS SHALL BE CLOSER THAN 12" TO ANY EDGE OF PAVEMENT OR CURB AND GUTTER. IRRIGATION SHALL NOT SPRAY BEYOND LANDSCAPED AREAS, OR INTO ANY UNDISTURBED BUFFERS. NO OVER SPRAY SHALL BE PERMITTED ONTO ADJACENT PROPERTIES OR PEDESTRIAN SIDEWALK AREAS.
- LANDSCAPE CONTRACTOR TO FIELD VERIFY ALL COMPONENT LOCATIONS TO ENSURE APPROPRIATE COVERAGE.
- LANDSCAPE CONTRACTOR SHALL LOCATE WATER SOURCE AND PROVIDE POWER TO CONTROLLER.
- CONTROLLER LOCATION TO BE SPECIFIED BY OWNERS REPRESENTATIVE IN FIELD PRIOR TO CONSTRUCTION.
- ALL DRIP TUBING SHALL BE COVERED WITH MIN. 3" OF MULCH.
- ALL DRIP AND SPRAY ZONES SHALL BE SEPARATE.
- CONTRACTOR SHALL SUBMIT FINAL IRRIGATION PLANS TO OWNER'S REPRESENTATIVE AND ALL REVIEWING BODIES / AGENCIES FOR FINAL APPROVAL PRIOR TO INSTALLATION.

**NOTE: PER TOWN OF HILTON HEAD ISLAND LAND MANAGEMENT ORDINANCE (LMO) SEC. 16-6-104.I.3, MITIGATION IS REQUIRED FOR THE POOR RATED CONDITION TREES TO BE REMOVED AS INDICATED ON THESE PLANS. PER LMO CALCULATIONS, IT IS REQUIRED TO PLANT BACK 6 CATEGORY I TREES, 6 CATEGORY II TREES, 22 CATEGORY III TREES, AND 1 CATEGORY IV TREE. AT TIME OF PLANTING, THE REPLACEMENT TREES MUST BE 10' HEIGHT AND 2" CALIPER FOR CATEGORY I AND II, AND 6' HEIGHT AND 1" CALIPER FOR CATEGORY III AND IV.**

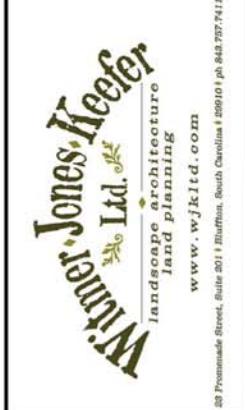
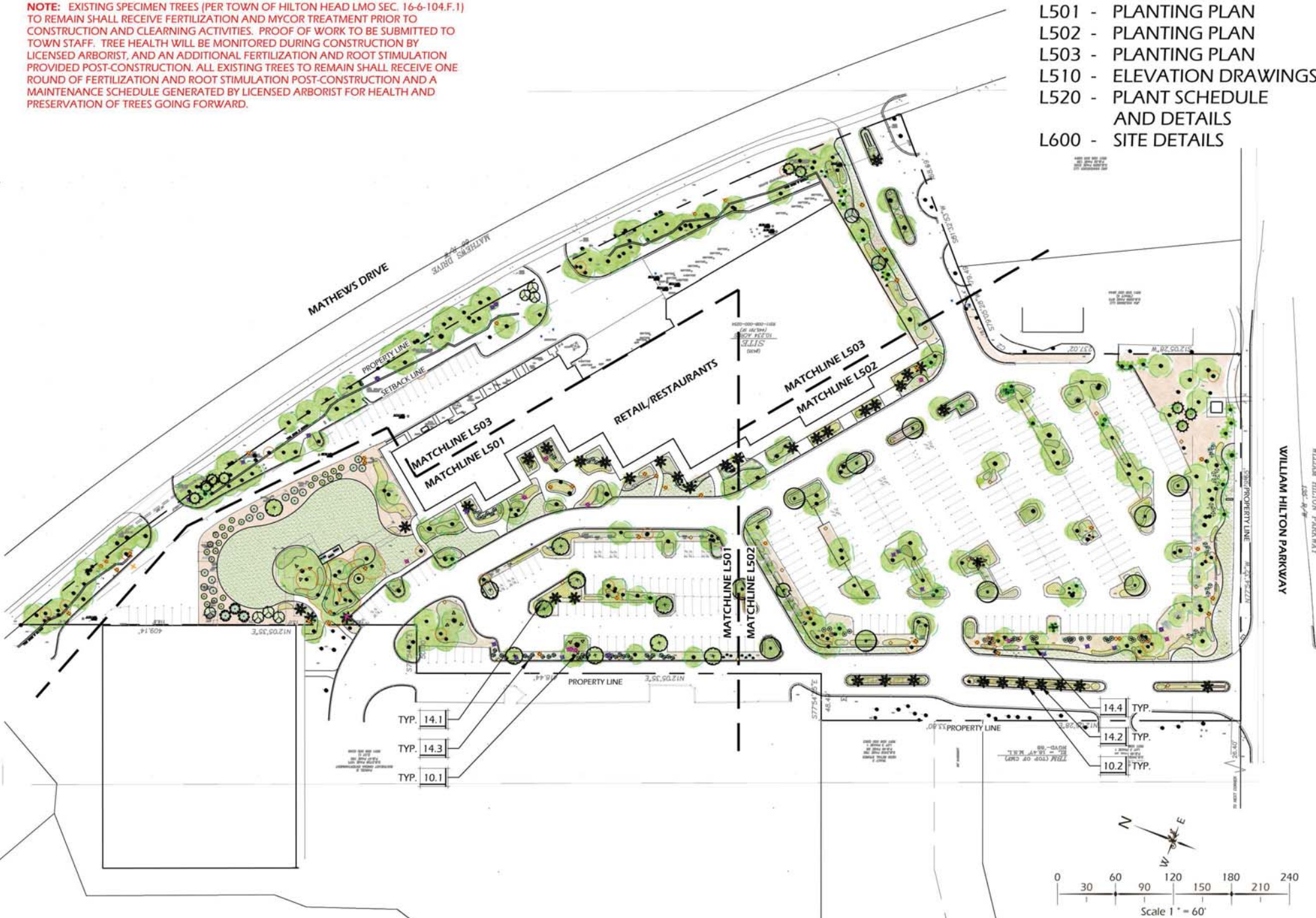
PLANTING DETAILS		
CALL-OUT	DESCRIPTION	DETAIL
14.1	TREE PLANTING	1/L520
14.2	PALM TREE PLANTING	2/L520
14.3	SHRUB PLANTING	3/L520
14.4	GROUND COVER PLANTING	4/L520

LIGHTING SCHEDULE				
CALL-OUT	SYMB.	QTY.	DESCRIPTION	DETAIL
10.1	▲	12	UP LIGHT	2/L600
10.2	●	25	AUTOBAHN POST LIGHTS *	N/A

NOTE: LIGHTING SYMBOLS ARE GRAPHIC IN NATURE AND ARE NOT INTENDED TO BE TO SCALE. REFER TO SITE DETAILS FOR SIZES AND DIMENSIONS.  
\* REFER TO WARD EDWARDS ENGINEERING PLANS FOR SPECIFICATIONS AND FINAL LIGHT LOCATIONS.

**SHEET INDEX**

- L500 - KEY SHEET AND NOTES
- L501 - PLANTING PLAN
- L502 - PLANTING PLAN
- L503 - PLANTING PLAN
- L510 - ELEVATION DRAWINGS
- L520 - PLANT SCHEDULE AND DETAILS
- L600 - SITE DETAILS



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THIS SHEET TO SCALE AT 24"x36"

SITE DEVELOPMENT PLANS FOR  
**NORTHRIDGE**  
 HILTON HEAD ISLAND, SOUTH CAROLINA

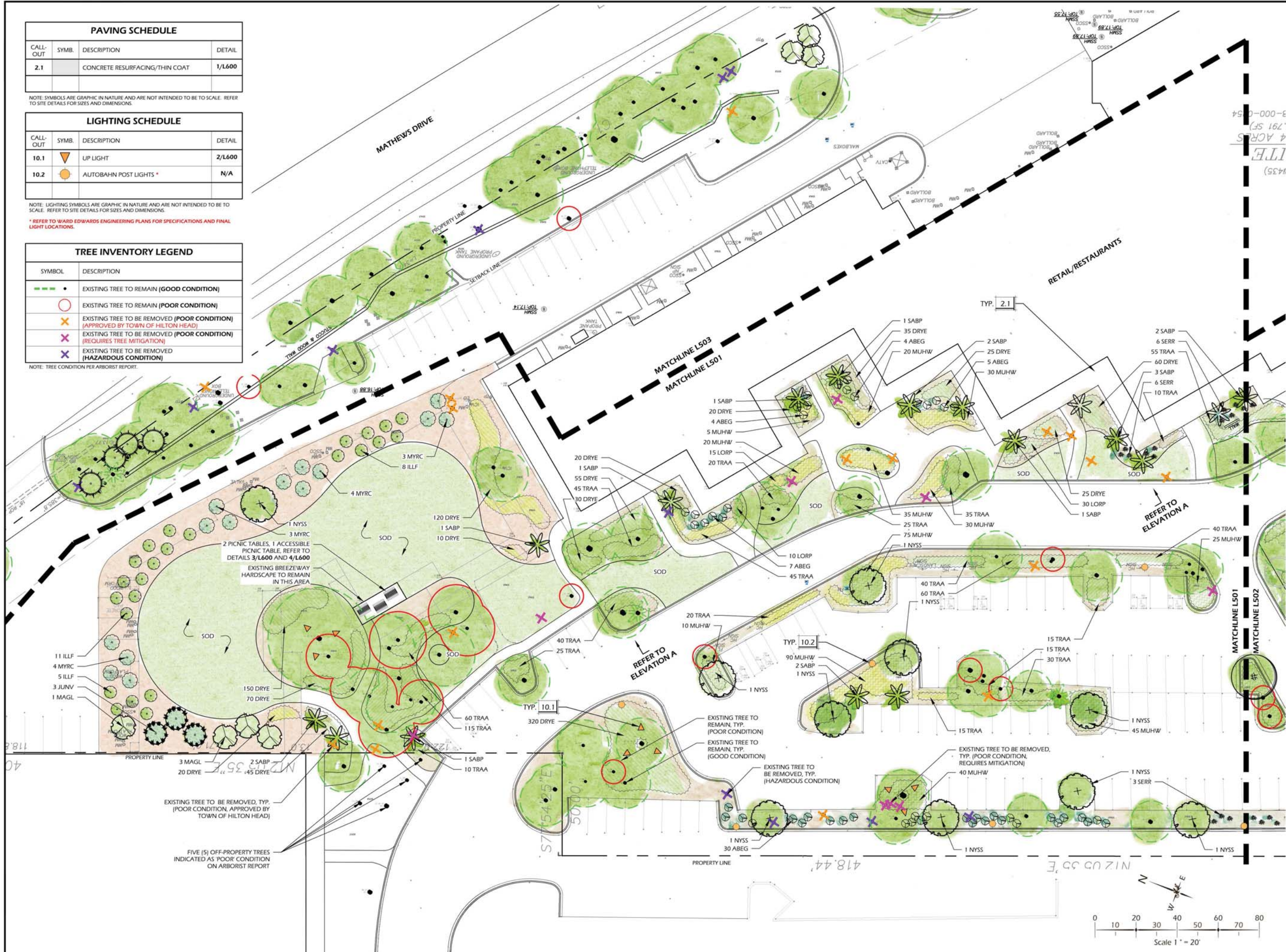
DATE: APR 28, 2020  
 PROJECT NO.: 19083.01  
 DRAWN BY: JM  
 CHECKED BY: BW/JC

**FINAL SUBMITTAL PLAN, NOT FOR CONSTRUCTION**

REVISIONS:

DRAWING TITLE  
**KEY SHEET AND NOTES**

DRAWING NUMBER  
**L500**



**PAVING SCHEDULE**

CALL-OUT	SYMB.	DESCRIPTION	DETAIL
2.1		CONCRETE RESURFACING/THIN COAT	1/L600

NOTE: SYMBOLS ARE GRAPHIC IN NATURE AND ARE NOT INTENDED TO BE TO SCALE. REFER TO SITE DETAILS FOR SIZES AND DIMENSIONS.

**LIGHTING SCHEDULE**

CALL-OUT	SYMB.	DESCRIPTION	DETAIL
10.1	▽	UP LIGHT	2/L600
10.2	○	AUTOBAHN POST LIGHTS *	N/A

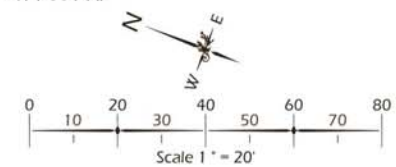
NOTE: LIGHTING SYMBOLS ARE GRAPHIC IN NATURE AND ARE NOT INTENDED TO BE TO SCALE. REFER TO SITE DETAILS FOR SIZES AND DIMENSIONS.

\* REFER TO WARD EDWARDS ENGINEERING PLANS FOR SPECIFICATIONS AND FINAL LIGHT LOCATIONS.

**TREE INVENTORY LEGEND**

SYMBOL	DESCRIPTION
•	EXISTING TREE TO REMAIN (GOOD CONDITION)
○	EXISTING TREE TO REMAIN (POOR CONDITION)
×	EXISTING TREE TO BE REMOVED (POOR CONDITION) (APPROVED BY TOWN OF HILTON HEAD)
✱	EXISTING TREE TO BE REMOVED (POOR CONDITION) (REQUIRES TREE MITIGATION)
✱	EXISTING TREE TO BE REMOVED (HAZARDOUS CONDITION)

NOTE: TREE CONDITION PER ARBORIST REPORT.



SITE DEVELOPMENT PLANS  
FOR  
**NORTHRIDGE**  
HILTON HEAD ISLAND, SOUTH CAROLINA

DATE: APR 28, 2020  
PROJECT NO.: 19083.01  
DRAWN BY: JM  
CHECKED BY: BW/JC

**FINAL SUBMITTAL  
PLAN, NOT FOR  
CONSTRUCTION**

REVISIONS:

DRAWING TITLE  
**PLANTING PLAN**

DRAWING NUMBER

**L502**

TREE INVENTORY LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING TREE TO REMAIN (GOOD CONDITION)
○	EXISTING TREE TO REMAIN (POOR CONDITION)
✕	EXISTING TREE TO BE REMOVED (POOR CONDITION) (APPROVED BY TOWN OF HILTON HEAD)
✕	EXISTING TREE TO BE REMOVED (POOR CONDITION) (REQUIRES TREE MITIGATION)
✕	EXISTING TREE TO BE REMOVED (HAZARDOUS CONDITION)

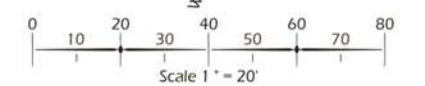
NOTE: TREE CONDITION PER ARBORIST REPORT.

PAVING SCHEDULE			
CALL-OUT	SYMB.	DESCRIPTION	DETAIL
2.1		CONCRETE RESURFACING/THIN COAT	1/L600

NOTE: SYMBOLS ARE GRAPHIC IN NATURE AND ARE NOT INTENDED TO BE TO SCALE. REFER TO SITE DETAILS FOR SIZES AND DIMENSIONS.

LIGHTING SCHEDULE			
CALL-OUT	SYMB.	DESCRIPTION	DETAIL
10.1	▲	UP LIGHT	2/L600
10.2	●	AUTOBAHN POST LIGHTS *	N/A

NOTE: LIGHTING SYMBOLS ARE GRAPHIC IN NATURE AND ARE NOT INTENDED TO BE TO SCALE. REFER TO SITE DETAILS FOR SIZES AND DIMENSIONS.  
\* REFER TO WARD EDWARDS ENGINEERING PLANS FOR SPECIFICATIONS AND FINAL LIGHT LOCATIONS.





PAVING SCHEDULE			
CALL-OUT	SYMB.	DESCRIPTION	DETAIL
2.1		CONCRETE RESURFACING/THIN COAT	1/L600

NOTE: SYMBOLS ARE GRAPHIC IN NATURE AND ARE NOT INTENDED TO BE TO SCALE. REFER TO SITE DETAILS FOR SIZES AND DIMENSIONS.

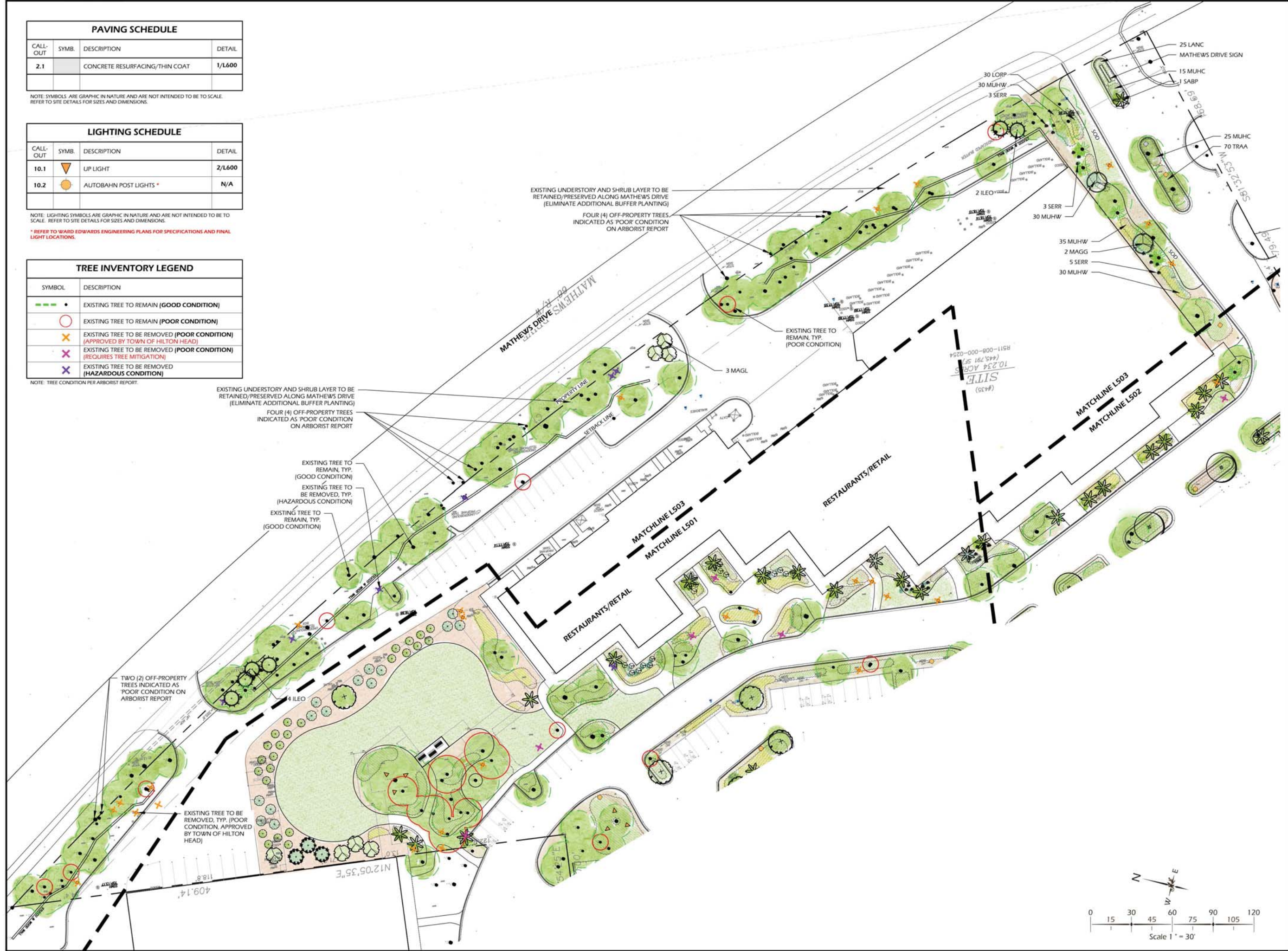
LIGHTING SCHEDULE			
CALL-OUT	SYMB.	DESCRIPTION	DETAIL
10.1	▲	UP LIGHT	2/L600
10.2	●	AUTOBAHN POST LIGHTS *	N/A

NOTE: LIGHTING SYMBOLS ARE GRAPHIC IN NATURE AND ARE NOT INTENDED TO BE TO SCALE. REFER TO SITE DETAILS FOR SIZES AND DIMENSIONS.

\* REFER TO WARD EDWARDS ENGINEERING PLANS FOR SPECIFICATIONS AND FINAL LIGHT LOCATIONS.

TREE INVENTORY LEGEND	
SYMBOL	DESCRIPTION
●	EXISTING TREE TO REMAIN (GOOD CONDITION)
○	EXISTING TREE TO REMAIN (POOR CONDITION)
✕	EXISTING TREE TO BE REMOVED (POOR CONDITION) (APPROVED BY TOWN OF HILTON HEAD)
✕	EXISTING TREE TO BE REMOVED (POOR CONDITION) (REQUIRES TREE MITIGATION)
✕	EXISTING TREE TO BE REMOVED (HAZARDOUS CONDITION)

NOTE: TREE CONDITION PER ARBORIST REPORT.



**Winters Jones-Keefe**  
 Ltd. of  
 landscape architecture  
 and planning  
 W.J.K. - wjk ltd. - ooz  
 20 Promenade Street, Suite 201 | Bluffton, South Carolina 29910 | Ph. 843.797.7411

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SITE DEVELOPMENT PLANS  
 FOR  
**NORTHRIDGE**  
 HILTON HEAD ISLAND, SOUTH CAROLINA

DATE:	APR 28, 2020
PROJECT NO.:	19083.01
DRAWN BY:	JM
CHECKED BY:	BW/JC

**FINAL SUBMITTAL  
 PLAN, NOT FOR  
 CONSTRUCTION**

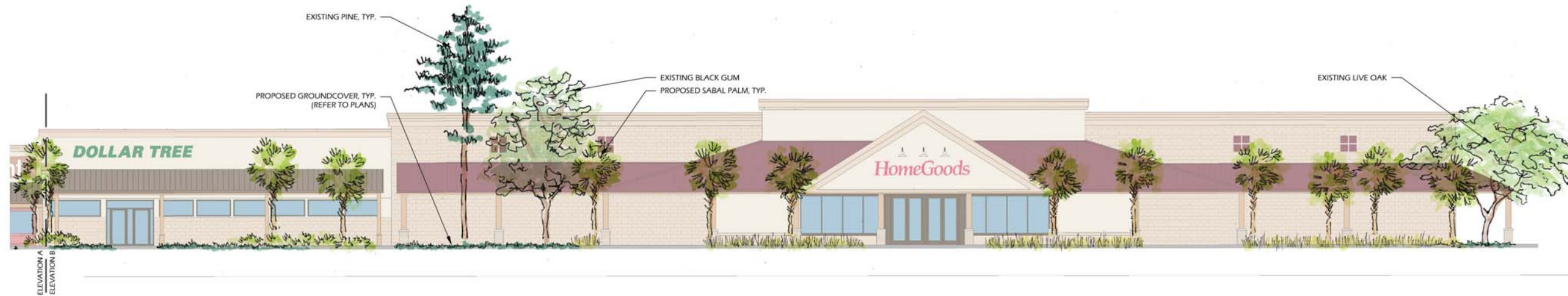
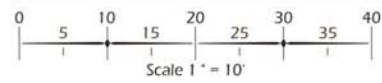
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DRAWING TITLE  
**PLANTING PLAN**

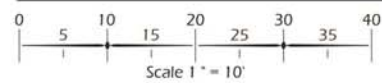
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**L503**



ELEVATION A



ELEVATION B



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SITE DEVELOPMENT PLANS  
 FOR  
**NORTHRIDGE**  
 HILTON HEAD ISLAND, SOUTH CAROLINA

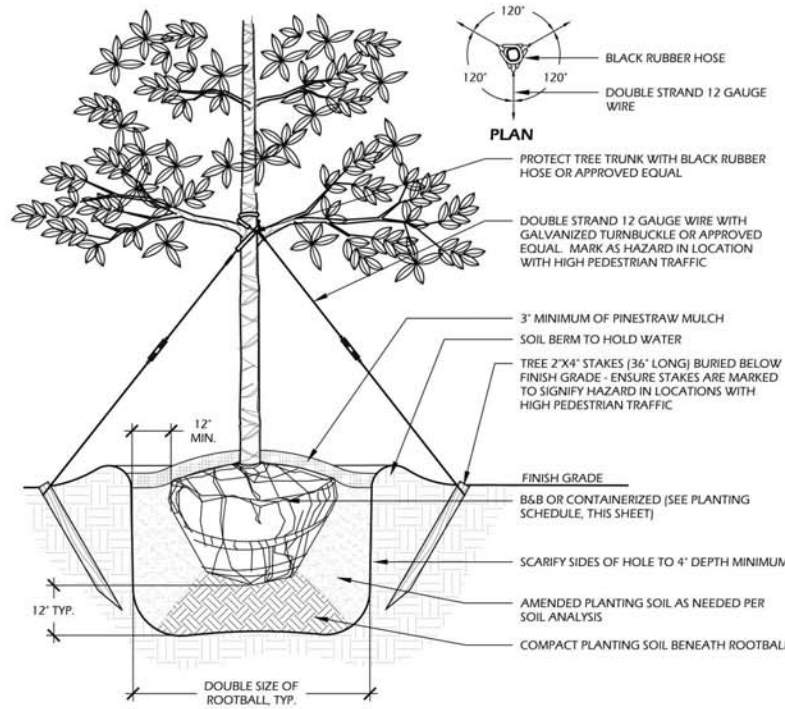
DATE: APR 28, 2020  
 PROJECT NO.: 19083.01  
 DRAWN BY: JM  
 CHECKED BY: BW/JC

**FINAL SUBMITTAL  
 PLAN, NOT FOR  
 CONSTRUCTION**

REVISIONS:

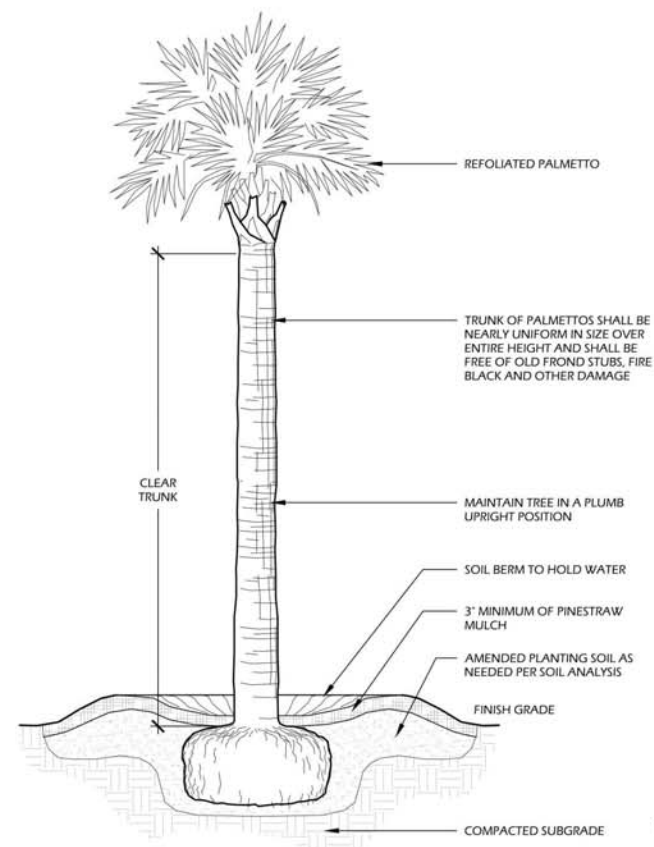

DRAWING TITLE  
**ELEVATION  
 DRAWINGS**

DRAWING NUMBER  
**L510**



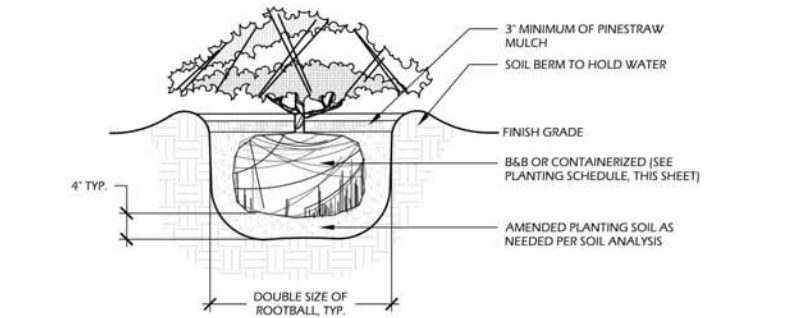
- NOTES:**
- TREE STAKING OPTIONAL, HOWEVER, LANDSCAPE CONTRACTOR RESPONSIBLE FOR MAINTAINING TREES IN AN UPRIGHT (90 DEGREE/ PERPENDICULAR) POSITION FOR 1 YEAR AFTER PLANTING IS COMPLETE OR UNTIL TREE ROOT SYSTEM IS FULLY ESTABLISHED AND STURDY. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER'S REPRESENTATIVE.
  - CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
  - IN SEMI-IMPERVIOUS SOIL CONDITIONS, ROOTBALL ELEVATION SHALL BE 2" ABOVE FINISH GRADE. COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO SETTING ROOTBALL ELEVATIONS.

**1 / L501 TREE PLANTING**  
SCALE: N.T.S.



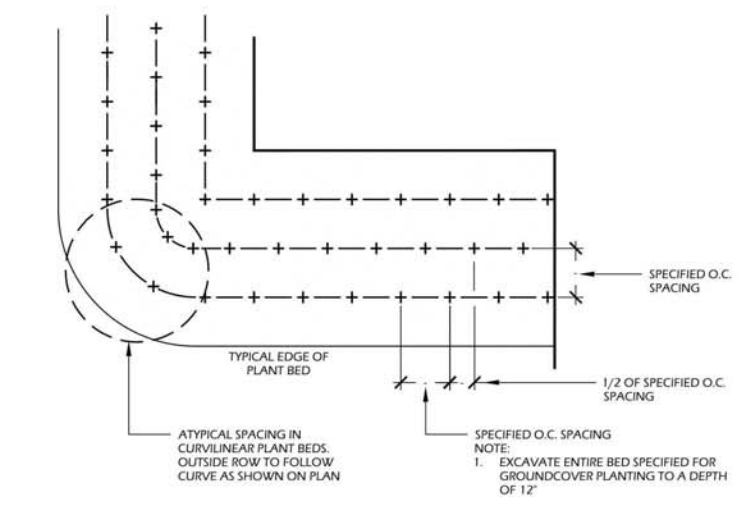
- NOTES:**
- FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE.
  - CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
  - SABAL PALMETTOS SHALL BE REFOOLIATED, PROTECT CABBAGE HEAD FROM DAMAGE.

**2 / L501 PALM TREE PLANTING**  
SCALE: N.T.S.



- NOTES:**
- WHEN GROUNDCOVERS AND SHRUBS ARE USED IN MASSSES, ENTIRE BED TO BE EXCAVATED TO RECEIVE PLANTING SOIL AND PLANT MATERIAL.
  - CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
  - IN SEMI-IMPERVIOUS SOIL CONDITIONS, ROOTBALL ELEVATION SHALL BE 2" ABOVE FINISH GRADE. COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO SETTING ROOTBALL ELEVATIONS.

**3 / L501 SHRUB PLANTING**  
SCALE: N.T.S.



**4 / L501 GROUND COVER PLANTING**  
SCALE: N.T.S.

**PLANT SCHEDULE:**

Quantity	Abbrev	Botanical Name	Common Name	Height	Spread	Container	Cal./Spacing	Notes
<b>TREES</b>								
3	JUNV	Juniperus virginiana	Eastern Red Cedar	8'-10'	3'-4'	Cont.	-	Full to ground
2	MAGG	Magnolia grandiflora	Southern Magnolia	12'-14'	6'-7'	Cont.	2"	Full to ground
10	NYSS	Nyssa sylvatica	Black Gum	10'-12'	5'-6'	Cont.	2"	Full
10	QUEH	Quercus virginiana 'OVITA' PP 11219 Highrise	High Rise Live Oak	14'-16'	6'-8'	Cont.	2"	Full
37	SABP	Sabal palmetto	Cabbage Palm	14'-16'	6'-8'	Cont.	-	Smooth trunk, Refoliated, See plan for heights
<b>UNDERSTORY TREES</b>								
9	ILEO	Ilex opaca	American Holly	10'-12'	5'-6'	-	2"	Tree form, Multi-stem, Full
1	LAGN	Lagerstroemia indica x fauriei 'Natchez'	Natchez Crape Myrtle	10'-12'	5'-6'	45 gal.	-	Full
7	MAGL	Magnolia grandiflora 'Little Gem'	Little Gem Magnolia	10'-12'	5'-6'	-	2"	Full
16	MYRC	Myrica cerifera	Wax Myrtle	4'-5'	2'-3'	15 gal.	-	Full
<b>SHRUBS</b>								
160	ABEG	Abelia grandiflora 'Kaleidoscope'	Kaleidoscope Abelia	24'-30'	24'-30'	3 gal.	-	Full
25	AZAF	Azalea indica 'Formosa'	Formosa Azalea	24'-30'	24'-30'	7 gal.	-	Lavender Flowers, Full
30	AZAG	Azalea indica 'Mrs. G. G. Gerbing'	Mrs. G. G. Gerbing Azalea	24'-30'	24'-30'	7 gal.	-	Full
27	ILLF	Illicium floridanum	Florida Anise	30'-36'	24'-30'	7 gal.	-	Full
105	LORP	Loropetalum chinense 'Peak' PP18441	Purple Pixie Dwarf Weeping Loropetalum	8'-12'	18'-24'	3 gal.	-	Full
49	SERR	Serenoa repens	Saw Palmetto	18'-24'	18'-24'	7 gal.	-	Full
<b>ORNAMENTAL GRASSES &amp; FERNS</b>								
1,065	DRYE	Dryopteris erythrosora	Autumn Fern	10'-12'	8'-12'	1 gal.	24" O.C.	Full
150	MUHC	Muhlenbergia capillaris	Pink Muhly Grass	14'-16'	10'-16'	1 gal.	30" O.C.	Full
1,315	MUHW	Muhlenbergia capillaris 'White Cloud'	White Cloud Muhly Grass	14'-16'	10'-16'	1 gal.	30" O.C.	Full
<b>GROUND COVERS, VINES &amp; PERENNIALS</b>								
380	AGAA	Agapanthus africanus	Lily of the Nile	12'-18'	8'-12'	1 gal.	24" O.C.	Blue Flowers, Full
75	LANC	Lantana selowiana 'Monna'	White Lightnin' Trailing Lantana	8'-12'	8'-12'	1 gal.	24" O.C.	White Flowers, Full
1,269	TRAA	Trachelospermum asiaticum	Asiatic Jasmine	4'-6'	12' runners	1 gal.	24" O.C.	Full
<b>SOD &amp; MULCH</b>								
25,200	SOD-SF	-	Empire Zoysia Sod	-	-	-	-	-
69,000	MULCH-SF	Pine Straw - all disturbed areas	Pine Straw	-	-	-	-	-

**NOTE:** PER TOWN OF HILTON HEAD ISLAND LAND MANAGEMENT ORDINANCE (LMO) SEC. 16-6-104.I.3, MITIGATION IS REQUIRED FOR THE POOR RATED CONDITION TREES TO BE REMOVED AS INDICATED ON THESE PLANS. PER LMO CALCULATIONS, IT IS REQUIRED TO PLANT BACK 6 CATEGORY I TREES, 6 CATEGORY II TREES, 22 CATEGORY III TREES, AND 1 CATEGORY IV TREE. AT TIME OF PLANTING, THE REPLACEMENT TREES MUST BE 10' HEIGHT AND 2" CALIPER FOR CATEGORY I AND II, AND 6' HEIGHT AND 1" CALIPER FOR CATEGORY III AND IV.

**HAZARDOUS CONDITION TREE TALLY**

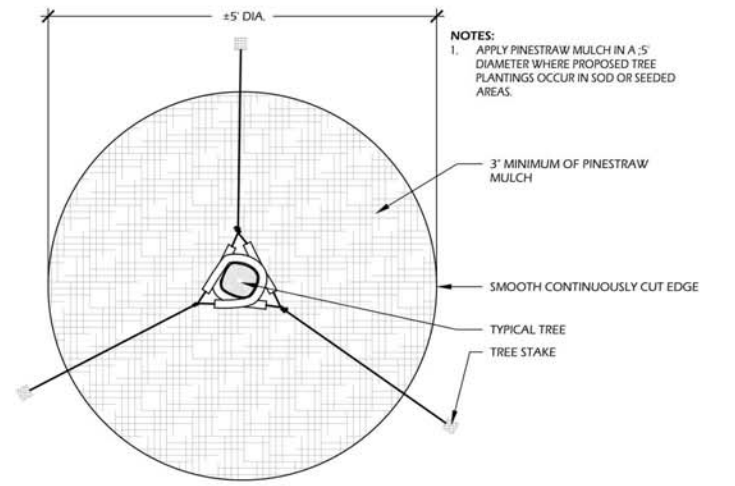
CATEGORY I
LAO 18, 12, 15, 16, 15, 15, 13, 10, 10, 13, 13, 16, 19, 16, 9, 8, 14, 14, 23
LO 29, 17, 20
TREE LEGEND: LAO - LAUREL OAK LO - LIVE OAK

**POOR CONDITION TREE TALLY**

CATEGORY I	CATEGORY II	CATEGORY III	CATEGORY IV
LAO 13, 13, 11, 10, 12	WO 12, 9, 9, 10, 11, 8	PN 1 16, 12, 16, 16, 9, PN 2 7, 17, 13, 13, 19, 16, 17, 19, 12, 14	CM 4, 2
TREE LEGEND: CM - CRAPE MYRTLE   GUM - SWEETGUM   LAO - LAUREL OAK LO - LIVE OAK   MAP - RED MAPLE   PN 1 - LOBLOLLY PINE PN 2 - SLASH PINE   WO - WATER OAK			

**TREE MITIGATION CALCULATIONS**

CATEGORY I	CATEGORY II
# OF TREES TO BE REMOVED (REQUIRE MITIGATION): 5 TOTAL # OF DBH INCHES: 59 59 ÷ 10 = 5.9 # OF NEW TREES REQUIRED: 6 # OF NEW TREES PROVIDED: 27	# OF TREES TO BE REMOVED (REQUIRE MITIGATION): 6 TOTAL # OF DBH INCHES: 59 194 ÷ 10 = 5.9 # OF NEW TREES REQUIRED: 6 # OF NEW TREES PROVIDED: 8
CATEGORY III	CATEGORY IV
# OF TREES TO BE REMOVED: 15 TOTAL # OF DBH INCHES: 216 216 ÷ 10 = 21.6 # OF NEW TREES REQUIRED: 22 # OF NEW TREES PROVIDED: 37	# OF TREES TO BE REMOVED: 2 TOTAL # OF DBH INCHES: 6 6 ÷ 10 = 0.6 # OF NEW TREES REQUIRED: 1 # OF NEW TREES PROVIDED: 1



**5 / L501 TREE STAKING**  
SCALE: N.T.S.



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DESIGN CONCEPTS, DRAWING SHEETS, LOGOS, SPECIFICATIONS, DETAILS, WRITTEN MATERIAL SHALL NOT BE USED OR REPRODUCED IN WHOLE OR IN PART IN ANY FORM WITHOUT PRIOR WRITTEN CONSENT OF WJK LTD.  
THIS SHEET TO SCALE AT: 24"X36"

SITE DEVELOPMENT PLANS  
FOR  
**NORTHRIDGE**  
HILTON HEAD ISLAND, SOUTH CAROLINA

DATE: APR 28, 2020  
PROJECT NO.: 19083.01  
DRAWN BY: JM  
CHECKED BY: BW/JC

**FINAL SUBMITTAL PLAN, NOT FOR CONSTRUCTION**

REVISIONS:

DRAWING TITLE  
**PLANT SCHEDULE AND DETAILS**

DRAWING NUMBER  
**L520**

**SAKRETE** FLO-COAT CONCRETE RESURFACER

The Pro's Choice Since 1938

**SAKRETE** FLO-COAT Concrete Resurfacer is a polymer modified concrete resurfacing material used for the addition of color and texture to concrete surfaces. It is available in a variety of colors and textures. It is applied in a thin layer over existing concrete surfaces. It is available in a variety of colors and textures. It is applied in a thin layer over existing concrete surfaces.

**Features:**

- 10' (3.05m) roll length for convenience
- Available in a variety of colors and textures
- Easy to apply with a trowel
- Interlocking application
- Can be used on all concrete surfaces
- Superior abrasion resistance
- Can be used with other concrete finishes for decorative concrete surfaces.

**Use For:**

- Resurfacing concrete walls
- Applying a decorative finish to concrete walls

**Yield/Water/Coverage:**

Bag Size	Roll	Coverage	Notes
50 lb	6.2' (1.88m) x 4'	8 SF (0.74 m <sup>2</sup> ) at 1/8" (3.2mm) thick	1.75 gal
100 lb	12.4' (3.76m) x 4'	16 SF (1.48 m <sup>2</sup> ) at 1/8" (3.2mm) thick	3.5 gal
50 lb	6.2' (1.88m) x 4'	16 SF (1.48 m <sup>2</sup> ) at 1/8" (3.2mm) thick	3.5 gal
100 lb	12.4' (3.76m) x 4'	32 SF (2.96 m <sup>2</sup> ) at 1/8" (3.2mm) thick	7 gal

**Technical Data:**

Compressive Strength (28 Day): 4,000 psi (27.6 MPa)  
 Flexure: 4,000 psi (27.6 MPa)  
 28 Day: 4,000 psi (27.6 MPa)

**Preparation/Application:**

For best results, application should be done between 50°F (10°C) and 85°F (29°C) in 24 hours after installation.

Sakrete.com • 866-725-7381

**SAKRETE** FLO-COAT CONCRETE RESURFACER

The Pro's Choice Since 1938

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Sakrete.com • 866-725-7381

**FOCUS INDUSTRIES** DIRECTIONAL LIGHTS DL-46-LEDM20

TYPE

**CONSTRUCTION:** Cast aluminum or cast brass integrated heat sink base, mounting and adjustment system, 24V transformer, weather-resistant and corrosion-free housing.

**FINISH:** High impact clear powder-coated finish.

**OPERATION:** Long life, low power consumption.

**SAFETY:** High impact clear powder-coated finish.

**ORDERING INFORMATION:**

CATALOG NO.	DESCRIPTION	LAMP	WATT	WATTAGE
DL-46-LEDM20-01	Cast Aluminum, 24V, 20W	24V LED	20W	20W
DL-46-LEDM20-02	Cast Aluminum, 24V, 40W	24V LED	40W	40W
DL-46-LEDM20-03	Cast Aluminum, 24V, 60W	24V LED	60W	60W
DL-46-LEDM20-04	Cast Aluminum, 24V, 80W	24V LED	80W	80W
DL-46-LEDM20-05	Cast Aluminum, 24V, 100W	24V LED	100W	100W
DL-46-LEDM20-06	Cast Aluminum, 24V, 120W	24V LED	120W	120W
DL-46-LEDM20-07	Cast Aluminum, 24V, 150W	24V LED	150W	150W
DL-46-LEDM20-08	Cast Aluminum, 24V, 200W	24V LED	200W	200W
DL-46-LEDM20-09	Cast Aluminum, 24V, 250W	24V LED	250W	250W
DL-46-LEDM20-10	Cast Aluminum, 24V, 300W	24V LED	300W	300W
DL-46-LEDM20-11	Cast Aluminum, 24V, 400W	24V LED	400W	400W
DL-46-LEDM20-12	Cast Aluminum, 24V, 500W	24V LED	500W	500W
DL-46-LEDM20-13	Cast Aluminum, 24V, 600W	24V LED	600W	600W
DL-46-LEDM20-14	Cast Aluminum, 24V, 800W	24V LED	800W	800W
DL-46-LEDM20-15	Cast Aluminum, 24V, 1000W	24V LED	1000W	1000W

**MANUFACTURER INFORMATION:**

FOCUS INDUSTRIES  
 25301 COMMERCENTRE DRIVE  
 LAKE FOREST, CA 92630  
 PHONE: (949) 830.1350  
 WEB: WWW.FOCUSINDUSTRIES.COM

**MODEL:** DL-46-LEDM2040  
**COLOR:** BRASS

OR APPROVED EQUAL

**FOCUS INDUSTRIES** DIRECTIONAL LIGHTS DL-46-LEDM20

TYPE

**CONSTRUCTION:** Cast aluminum or cast brass integrated heat sink base, mounting and adjustment system, 24V transformer, weather-resistant and corrosion-free housing.

**FINISH:** High impact clear powder-coated finish.

**OPERATION:** Long life, low power consumption.

**SAFETY:** High impact clear powder-coated finish.

**ORDERING INFORMATION:**

CATALOG NO.	DESCRIPTION	LAMP	WATT	WATTAGE
DL-46-LEDM20-01	Cast Aluminum, 24V, 20W	24V LED	20W	20W
DL-46-LEDM20-02	Cast Aluminum, 24V, 40W	24V LED	40W	40W
DL-46-LEDM20-03	Cast Aluminum, 24V, 60W	24V LED	60W	60W
DL-46-LEDM20-04	Cast Aluminum, 24V, 80W	24V LED	80W	80W
DL-46-LEDM20-05	Cast Aluminum, 24V, 100W	24V LED	100W	100W
DL-46-LEDM20-06	Cast Aluminum, 24V, 120W	24V LED	120W	120W
DL-46-LEDM20-07	Cast Aluminum, 24V, 150W	24V LED	150W	150W
DL-46-LEDM20-08	Cast Aluminum, 24V, 200W	24V LED	200W	200W
DL-46-LEDM20-09	Cast Aluminum, 24V, 250W	24V LED	250W	250W
DL-46-LEDM20-10	Cast Aluminum, 24V, 300W	24V LED	300W	300W
DL-46-LEDM20-11	Cast Aluminum, 24V, 400W	24V LED	400W	400W
DL-46-LEDM20-12	Cast Aluminum, 24V, 500W	24V LED	500W	500W
DL-46-LEDM20-13	Cast Aluminum, 24V, 600W	24V LED	600W	600W
DL-46-LEDM20-14	Cast Aluminum, 24V, 800W	24V LED	800W	800W
DL-46-LEDM20-15	Cast Aluminum, 24V, 1000W	24V LED	1000W	1000W

**MANUFACTURER INFORMATION:**

FOCUS INDUSTRIES  
 25301 COMMERCENTRE DRIVE  
 LAKE FOREST, CA 92630  
 PHONE: (949) 830.1350  
 WEB: WWW.FOCUSINDUSTRIES.COM

**MODEL:** DL-46-LEDM2040  
**COLOR:** BRASS

OR APPROVED EQUAL

1 / L600 CONCRETE RESURFACING/THIN COAT SCALE: N.T.S.

2 / L600 UP LIGHT SCALE: N.T.S.



**MANUFACTURER INFORMATION:**

PALMETTO RECREATION EQUIPMENT  
 1052 PENINSULA DRIVE  
 PROSPERITY, SC 29127  
 PHONE: (803) 271.2487  
 WEB: WWW.TIMBERFORM.COM

**MODEL:** 2242-6

OR APPROVED EQUAL



**MANUFACTURER INFORMATION:**

PALMETTO RECREATION EQUIPMENT  
 1052 PENINSULA DRIVE  
 PROSPERITY, SC 29127  
 PHONE: (803) 271.2487  
 WEB: WWW.TIMBERFORM.COM

**MODEL:** 2241-6

OR APPROVED EQUAL

3 / L600 PICNIC TABLE SCALE: N.T.S.

4 / L600 ACCESSIBLE PICNIC TABLE SCALE: N.T.S.

**Winters Jones-Keefe**  
 Ltd. of  
 landscape architecture  
 and planning

W J K Ltd. of  
 400 Provenance Street, Suite 201 | Bluffton, South Carolina 29910 | Ph. 843.787.7411  
 W J K Ltd. of  
 www.wjkltd.com

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SITE DEVELOPMENT PLANS  
 FOR  
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DATE: APR 28, 2020  
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 DRAWN BY: JM  
 CHECKED BY: BW/JC

**FINAL SUBMITTAL  
 PLAN, NOT FOR  
 CONSTRUCTION**

REVISIONS:


DRAWING TITLE  
**SITE DETAILS**

DRAWING NUMBER  
**L600**

## DESIGN TEAM/DRB COMMENT SHEET

*The comments below are staff recommendations to the Design Review Board (DRB)  
and do NOT constitute DRB approval or denial.*

PROJECT NAME: Northridge Plaza Renovation

DRB#: DRB-000317-2020

DATE: 05/19/20

RECOMMENDATION:    Approval                Approval with Conditions                Denial      
RECOMMENDED CONDITIONS:

### ***APPLICATION MATERIAL***

DRB REQUIREMENTS	Complies Yes	No	Not Applicable	Comments or Conditions
Demolition Plan if needed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	There is no Demolition Plan.

### ***ARCHITECTURAL DESIGN***

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Utilizes natural materials and colors	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concerns about the color scheme: 1. Without a color board it is difficult to evaluate the colors together but it appears the color scheme leans too red / coral. 2. The color of the Home Goods entrance is not nature blending and therefore not approvable per the Design Guide (page 16). 3. It appears there are recent changes in trim color that have not been approved.
Forms and details are sufficient to reduce the mass of the structure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reduction of the canopy height exposes large areas of the building wall effectively increasing the mass of the building.
Utilities and equipment are concealed from view	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Add note to pedestrian canopy detail stating that

				electrical conduit shall be concealed.
Decorative lighting is limited and low wattage and adds to the visual character	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	It appears the 36 lumens of the canopy lights will exceed the LMO allowed light levels. Provide a photometric plan or graph for the canopy area to illustrate it meets the LMO requirements.

***LANDSCAPE DESIGN***

<b>DESIGN GUIDE/LMO CRITERIA</b>	<b>Complies Yes</b>	<b>No</b>	<b>Not Applicable</b>	<b>Comments or Conditions</b>
Location of existing trees and new trees provides street buffers, mitigation for parking lots, and an architectural complement that visually mitigates between parking lots and building(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Multiple trees were removed from the landscape island along the main drive at the western property line. Additional trees should be planted in this area to mitigate these removals
Large grassed lawn areas encompassing a major portion of the site are avoided	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Staff suggest straight species Magnolia (not Little Gem Magnolia, a dwarf) be planted along the theater wall to break it up visually.

***NATURAL RESOURCE PROTECTION***

<b>DESIGN GUIDE/LMO CRITERIA</b>	<b>Complies Yes</b>	<b>No</b>	<b>Not Applicable</b>	<b>Comments or Conditions</b>
An effort has been made to preserve existing trees and under story plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	There appear to be conflicts with proposed parking lot lights including trenching for power connections and existing trees. Tree locations should be added to the lighting plan as well new trench locations for the power supply.

***MISC COMMENTS/QUESTIONS***

1. This submittal received Conditional Conceptual Approval at the Feb 25, 2020 DRB meeting. The Conceptual Notice of Actions is included in this packet.
2. The narrower pedestrian canopy has increased in width from 6' (at Conceptual) to 8'.
3. How will the sidewalk be "repair as required"? Will the old and new concrete be stained the same color? How will the sidewalk be removed to allow construction of the new footers? What will the joints look like?
4. It is Staff's understanding that all timber curbs will be replaced with concrete curbs.
5. The place holders for tenant façade signs appear to be larger than what is allowed by the LMO. A new sign system will need to be submitted before any tenant signs can be permitted. Consider having a more realistic and LMO compliant placeholder for the signs as part of the Final application.



Town of Hilton Head Island  
 Community Development Department  
 One Town Center Court  
 Hilton Head Island, SC 29928  
 Phone: 843-341-4757 Fax: 843-842-8908  
[www.hiltonheadislandsc.gov](http://www.hiltonheadislandsc.gov)

<b>FOR OFFICIAL USE ONLY</b>	
Date Received:	_____
Accepted by:	_____
DRB #:	_____
Meeting Date:	_____

Applicant/Agent Name: BRIAN WITNER Company: WITNER JONES KEEFER  
 Mailing Address: 23 PRAMENADEST SUITE 201 City: BLANDFORD State: SC Zip: 29910  
 Telephone: 843 757 7411 Fax: \_\_\_\_\_ E-mail: BRIAN@WJKLTD.COM  
 Project Name: PAHETTA BOY LOCKERS Project Address: 7 TARGET ROAD  
 Parcel Number [PIN]: R552 015 000 0015 0368  
 Zoning District: \_\_\_\_\_ Overlay District(s): \_\_\_\_\_

**CORRIDOR REVIEW, MAJOR  
 DESIGN REVIEW BOARD (DRB) SUBMITTAL REQUIREMENTS**

Digital Submissions may be accepted via e-mail by calling 843-341-4757.

Project Category:  
 Concept Approval – Proposed Development  Alteration/Addition  
 Final Approval – Proposed Development  Sign

Submittal Requirements for *All* projects:

- Private Architectural Review Board (ARB) Notice of Action (if applicable): When a project is within the jurisdiction of an ARB, the applicant shall submit such ARB’s written notice of action per LMO Section 16-2-103.I.4.b.iii.01. Submitting an application to the ARB to meet this requirement is the responsibility of the applicant.
- Filing Fee: Concept Approval-Proposed Development \$175, Final Approval – Proposed Development \$175, Alterations/Additions \$100, Signs \$25; cash or check made payable to the Town of Hilton Head Island.

Additional Submittal Requirements:

**Concept Approval – Proposed Development**

- A survey (1"=30' minimum scale) of property lines, existing topography and the location of trees meeting the tree protection regulations of Sec. 16-6-104.C.2, and if applicable, location of bordering streets, marshes and beaches.
- A site analysis study to include specimen trees, access, significant topography, wetlands, buffers, setbacks, views, orientation and other site features that may influence design.
- A draft written narrative describing the design intent of the project, its goals and objectives and how it reflects the site analysis results.
- Context photographs of neighboring uses and architectural styles.
- Conceptual site plan (to scale) showing proposed location of new structures, parking areas and landscaping.
- Conceptual sketches of primary exterior elevations showing architectural character of the proposed development, materials, colors, shadow lines and landscaping.

Additional Submittal Requirements:

**Final Approval – Proposed Development**

- A final written narrative describing how the project conforms with the conceptual approval and design review guidelines of Sec. 16-3-106.F.3.
- Final site development plan meeting the requirements of Appendix D: D-6.F.
- Final site lighting and landscaping plans meeting the requirements of Appendix D: D-6.H and D-6.I.
- Final floor plans and elevation drawings (1/8"=1'-0" minimum scale) showing exterior building materials and colors with architectural sections and details to adequately describe the project.
- A color board (11"x17" maximum) containing actual color samples of all exterior finishes, keyed to the elevations, and indicating the manufacturer's name and color designation.
- Any additional information requested by the Design Review Board at the time of concept approval, such as scale model or color renderings, that the Board finds necessary in order to act on a final application.

Additional Submittal Requirements:

**Alterations/Additions**

- All of the materials required for final approval of proposed development as listed above, plus the following additional materials.
- A survey (1"=30' minimum scale) of property lines, existing topography and the location of trees meeting the tree protection regulations of Sec. 16-6-104.C.2, and if applicable, location of bordering streets, marshes and beaches.
- Photographs of existing structure.

Additional Submittal Requirements:

**Signs**

- Accurate color rendering of sign showing dimensions, type of lettering, materials and actual color samples.

For freestanding signs:

- Site plan (1"=30' minimum scale) showing location of sign in relation to buildings, parking, existing signs, and property lines.
- Proposed landscaping plan.

For wall signs:

- Photograph or drawing of the building depicting the proposed location of the sign.
- Location, fixture type, and wattage of any proposed lighting.

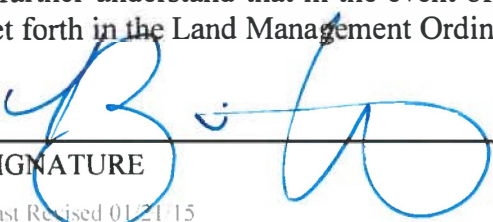
Note: All application items must be received by the deadline date in order to be reviewed by the DRB per LMO Appendix D: D-23.

*A representative for each agenda item is strongly encouraged to attend the meeting.*

**Are there recorded private covenants and/or restrictions that are contrary to, conflict with, or prohibit the proposed request? If yes, a copy of the private covenants and/or restrictions must be submitted with this application.  YES  NO**

To the best of my knowledge, the information on this application and all additional documentation is true, factual, and complete. I hereby agree to abide by all conditions of any approvals granted by the Town of Hilton Head Island. I understand that such conditions shall apply to the subject property only and are a right or obligation transferable by sale.

I further understand that in the event of a State of Emergency due to a Disaster, the review and approval times set forth in the Land Management Ordinance may be suspended.

  
SIGNATURE

4/28/20  
DATE





---

## PROJECT NARRATIVE - PALMETTO BAY LODGES

---

The intent of this project is to provide workforce housing dwelling units. The site is comprised of three tracts of land (parcels C, F, and G on the survey) totaling 2.78 acres. The projects consist of a 16 dwelling unit 2 story multi-family building, a clubhouse building with grill area and activity lawn, associated parking, sidewalks and drives. The placement of the buildings and activity lawn are primary in the existing clearing to minimize trees removal. Placement also utilizes the same area for the entry drive as the existing asphalt entry area. Building colors are nature blending and plantings selected are native and naturalized species. Please note the one large lawn area is for active use with the design concept being it's everyones' yard spilling out the back of the clubhouse / grill area.

Sincerely,

A handwritten signature in black ink that reads "Brian Witmer". The signature is fluid and cursive, written in a professional style.

Brian Witmer  
Principal  
Witmer Jones Keefer

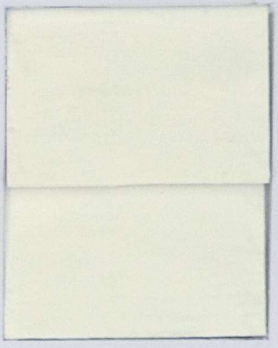
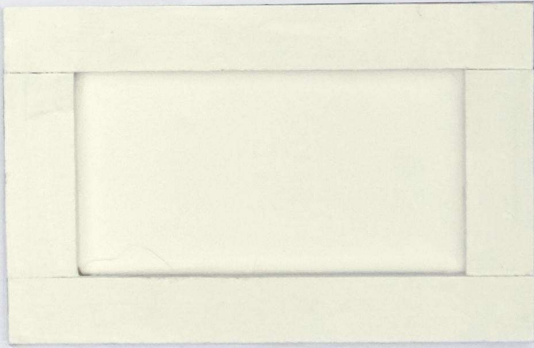
**23 Promenade Street, Suite 201  
Bluffton, SC 29910  
Tel: 843.757.7411**



WHITE BRICK

FIBER CEMENT BOARD AND BATTEN SIDING, PANEL AND TRIM  
 SW4539 - SOOTHING WHITE

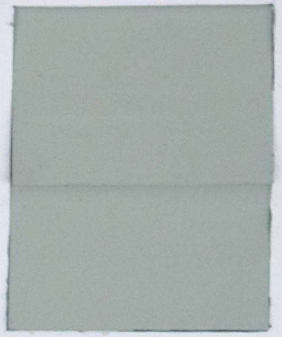
FIBER CEMENT LAP SIDING  
 SW4539 - SOOTHING WHITE

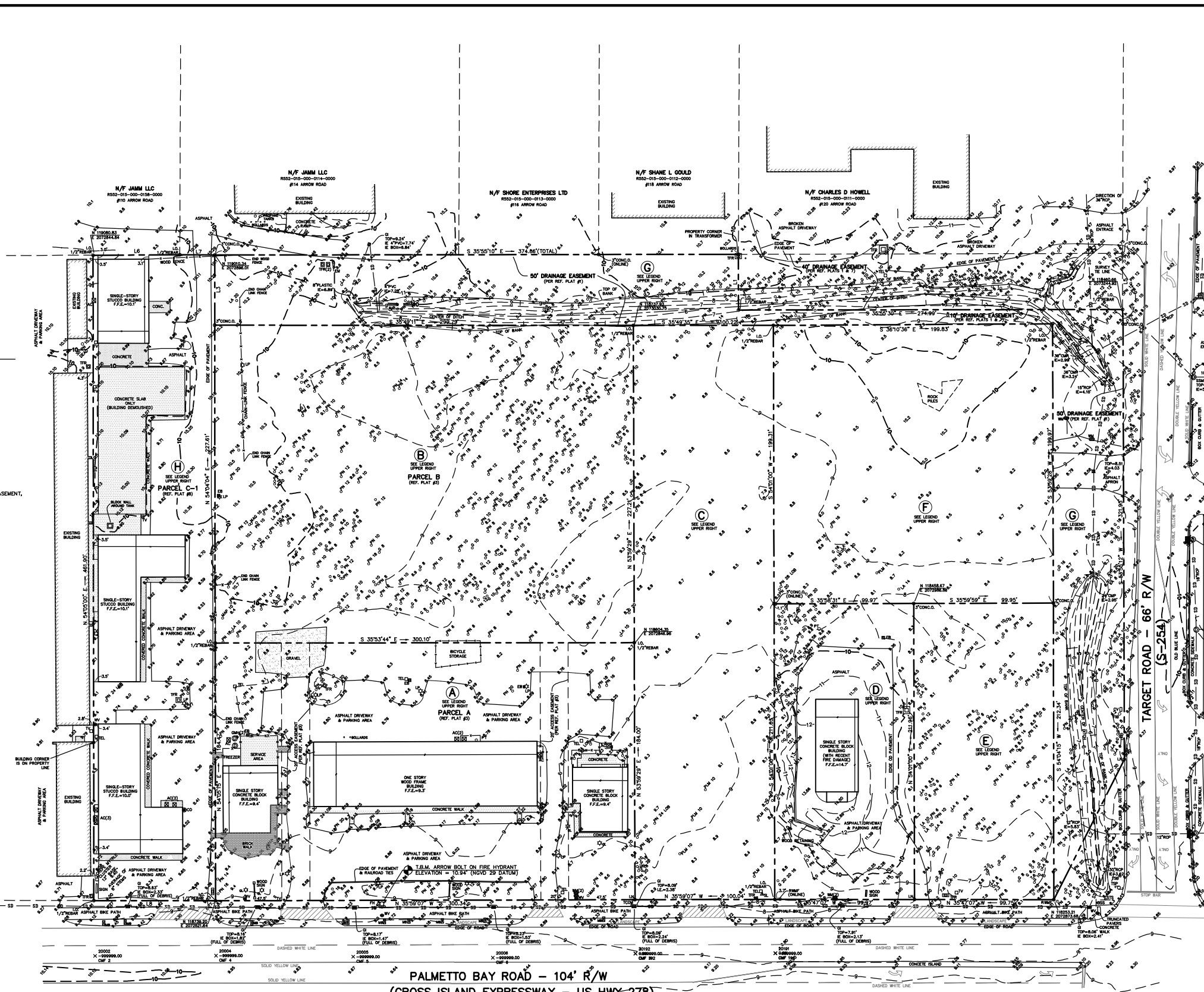
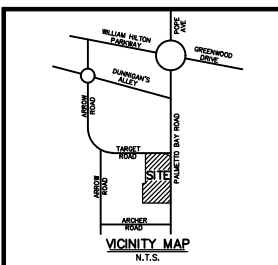


LIGHT GRAY SHINGLES

FIBER CEMENT BOARD AND BATTEN SIDING  
 SW4258 - TRICORN

FIBER CEMENT LAP SIDING  
 SW7073 - NETWORK GRAY





- REFERENCE PLATS:**
- 1) PALMETTO BAY ROAD COMMERCIAL SUBDIVISION COMPOSITE, SEA PINES PLANTATION, DATED: 04/29/74; LATEST REVISION: 5/21/86, BY: JERRY L. RICHARDSON, S.C.R.L.S. No. 4784, RECORDED: P.B. 33, PG. 227; 6/2/86.
  - 2) PLAT OF PALMETTO BAY ROAD COMMERCIAL SUBDIVISION No. 1, SEA PINES PLANTATION, DATED: 01/28/72; LATEST REVISION: 01/31/72, BY: JOSEPH J. HUTTON, S.C.R.L.S. No. 1650, RECORDED: P.B. 18, PG. 140; 02/10/72.
  - 3) PROPOSED SUBDIVISION PLAT OF PARCELS A & B, PALMETTO BAY ROAD, FORMERLY LOTS C2, C3, C4, A SECTION OF PALMETTO BAY ROAD COMMERCIAL SUBDIVISION, DATED: 8/1/86, BY: TERRY G. HATCHELL, S.C.R.L.S. No. 11059, RECORDED: P.B. 58, PG. 91, 11/18/86.
  - 4) CROSS ISLAND PARKWAY, PART 1, FILE #7558, SO. DOT CONSTRUCTION DRAWINGS, PROJECT NO. SHP 2589, DATED: 3/16/90, SHEET NOS. 17 & 23.
  - 5) BOUNDARY SURVEY OF 0.91 ACRE PORTION OF 50' DRAINAGE EASEMENT, TARGET ROAD, PALMETTO BAY ROAD, PALMETTO BAY ROAD COMMERCIAL SUBDIVISION No. 1, DATED: 2/13/08, BY: TERRY G. HATCHELL, S.C.R.L.S. No. 11059.
  - 6) BOUNDARY SURVEY OF LOT 3 & LOT C5, TARGET ROAD AND PALMETTO BAY ROAD, PALMETTO BAY ROAD COMMERCIAL SUBDIVISION, DATED: 6/28/08, REVISED: 9/08/07, BY: TERRY G. HATCHELL, S.C.R.L.S. No. 11059.
  - 7) BOUNDARY RECONSTRUCTION SURVEY OF LOT 12, ARROW ROAD, PALMETTO BAY ROAD COMMERCIAL SUBDIVISION, DATED: 5/15/07, BY: MARK R. RENEW, S.C.R.L.S. No. 25437, RECORDED: P.B. 120, PG. 92.
  - 8) A AS-BUILT SURVEY OF PARCEL A, PARCEL B, & PARCEL C-1, A PORTION OF PALMETTO BAY ROAD COMMERCIAL SUBDIVISION, DATED: 09/08/04, BY: MACK A. THOMAS, S.C.R.L.S. No. 14531.

- LEGEND:**
- TREE SIZES ARE INCHES IN DIAMETER
- SPOT ELEVATION
  - CONTOUR
  - CONCRETE MONUMENT, OLD (FOUND)
  - T.B.M. TEMPORARY BENCH MARK
  - BIRCH
  - CYPRESS
  - LAUREL OAK
  - LIVE OAK
  - MAGNOLIA
  - MAPLE
  - PINE
  - GRATE INLET
  - INVERT ELEVATION
  - REINFORCED CONCRETE PIPE
  - STORM DRAIN MANHOLE
  - CURB INLET
  - TELEPHONE BOX
  - TRANSFORMER
  - ELECTRIC BOX
  - TELECOMMUNICATIONS BOX
  - WATER METER
  - WATER VALVE
  - CABLE TV BOX
  - ELECTRIC METER
  - SANITARY SEWER MANHOLE
  - STREET SIGN
  - TRAFFIC SIGNAL BOX
  - TRAFFIC SIGNAL POLE
  - FIRE HYDRANT
  - CLEAN-OUT
  - BICYCLE STOP SIGN
  - STORM DRAIN LINE
  - SANITARY SEWER LINE
  - IRON FOUND
  - IRON NEW, 1/2" REBAR WITH CAP SET
  - 3" X 3" CONCRETE MONUMENT FOUND
  - RIGHT-OF-WAY MONUMENT FOUND
  - LOG
  - UNDERGROUND WATERLINE APPROXIMATE

- NOTES:**
- 1) I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY AS SPECIFIED THEREIN; ALSO THERE ARE NO OBVIOUS, APPARENT OR VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN.
  - 2) AS OF THE DATE OF THIS SURVEY THIS PROPERTY IS LOCATED IN ZONE A-2, A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY FLOOD PANEL 13-0, COMMUNITY NO. 450250, MAP DATED 3/29/88. BASE ELEVATION IS 0. FLOOD HAZARD ZONE AND BASE ELEVATION SHOULD BE VERIFIED BY PROPER TOWN OR COUNTY BUILDING INSPECTIONS DEPARTMENT.
  - 3) BUILDING SETBACKS WHICH EXIST FOR THESE LOTS, SHOWN OR NOT SHOWN ON THIS SURVEY, ARE EXPLAINED IN THE COVENANTS, EASEMENTS & SETBACKS SHOWN SHOULD BE VERIFIED THRU THE APPROPRIATE ARCHITECTURAL REVIEW BOARD OR BUILDING AGENCY.
  - 4) UNDERGROUND UTILITIES NOT LOCATED EXCEPT AS SHOWN.
  - 5) SURVEYING CONSULTANTS CERTIFIES TO THE BOUNDARY, TOPOGRAPHIC AND AS-BUILT INFORMATION PROVIDED HEREON AS OF THE DATE OF SURVEY. THIS DOCUMENT IS PROVIDED AS A BASE MAP FOR OTHERS. INFORMATION ADDED AFTER THE DATE OF SURVEY IS NOT THE RESPONSIBILITY OF SURVEYING CONSULTANTS.
  - 6) THIS SURVEY WAS PERFORMED WITHOUT BENEFIT OF A CURRENT TITLE REPORT.
  - 7) PARCEL ADDRESSES SHOWN PER BEAUFORT COUNTY GIS AND TOWN OF HILTON HEAD ISLAND 911 ADDRESSING (843-341-4741).
  - 8) BEARINGS AND SOUTH CAROLINA STATE PLANE COORDINATES SHOWN WERE ESTABLISHED FROM GPS OPUS OBSERVATION. SEE REFERENCE PLATS FOR RECORD BEARING AND DISTANCES.

LINE	LENGTH	BEARING
L1	39.84'	N. 54°32'40" E.
L2	112.49'	S. 80°32'07" W.
L3	50.17'	N. 54°14'37" E.
L4	10.20'	N. 52°10'53" E.
L5	40.49'	N. 54°17'47" E.
L6	62.05'	S. 38°11'47" E.
L7	29.08'	S. 35°28'01" E.
L8	87.08'	N. 32°58'12" W.

**SUBJECT PROPERTY LEGEND**

PARCEL LABEL	AREA	TAX PARCEL ID. #	ADDRESS & OWNER
A	1.27 ACRES	R552-015-000-0368-0000	#24 PALMETTO BAY ROAD (DAVID L. SCHREIBER)
B	1.57 ACRES	R552-015-000-0015-0000	#22 PALMETTO BAY ROAD (PALMETTO BAY HOLDINGS LLC)
C	0.94 ACRES	R552-015-000-0012-0000	#20 PALMETTO BAY ROAD (SOUTHEAST FINANCIAL CORP.)
D	0.49 ACRES	R552-015-000-0078-0000	#20 PALMETTO BAY ROAD (CARET 3 DRY LLC)
E	0.49 ACRES	R552-015-000-0100-0000	#14 PALMETTO BAY ROAD (OLIVER RUG CLEANER INC.)
F	0.82 ACRES	R552-015-000-0102-0000	#7 TARGET ROAD (BETTY ANN ATKINS)
G	0.82 ACRES	R552-015-000-0418-0000 & 0417	DRAINAGE EASEMENT (SOUTHEAST FINANCIAL CORP.)
H	0.82 ACRES	R552-014-000-0051-0000 & 051A	#25 PALMETTO BAY ROAD (PALMETTO BAY HOLDINGS LLC)

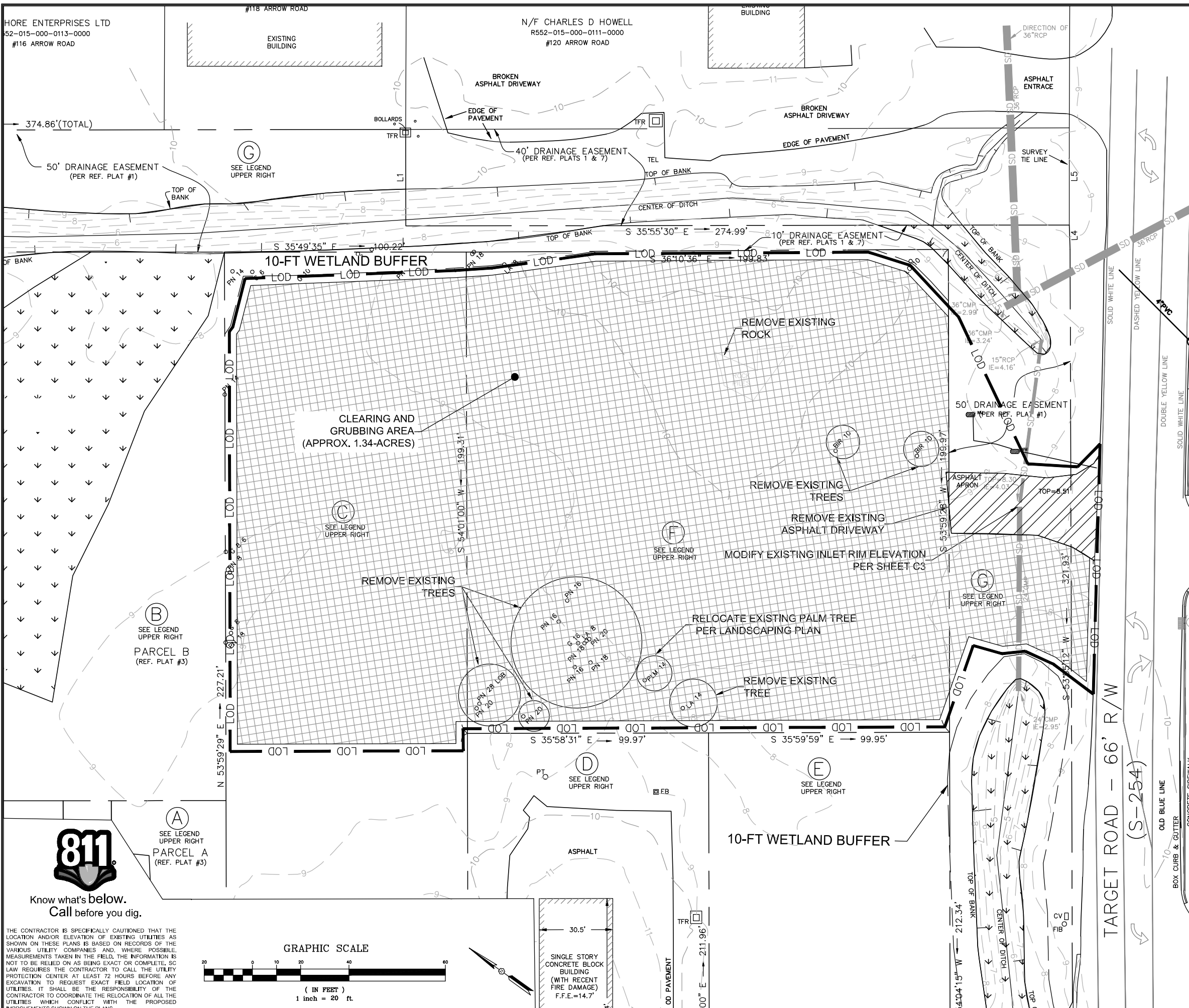
\*TOTAL AREA OF SUBJECT PARCELS IS 7.52 ACRES

PREPARED FOR: SEA PINES COMPANY  
 ADDRESS: #7 TARGET ROAD and #14, #15, #20, #22, #24 & #26 PALMETTO BAY ROAD  
 TAX PARCEL I.D. NO. R552-015-000-0015,0368,0012,0078,0100,0102,0416,0417,0051 & 051A-0000



AS-BUILT, BOUNDARY, TREE AND TOPOGRAPHIC SURVEY OF  
**TAX PARCELS #s R552-015-000-0015, 0368, 0012, 0078, 0100, 0102, 0416, 0417, 0051 & 051A-0000**  
**TARGET ROAD AND PALMETTO BAY ROAD**  
 A SECTION OF  
**PALMETTO BAY ROAD**  
**COMMERCIAL SUBDIVISION NO. 1**  
 HILTON HEAD ISLAND, BEAUFORT COUNTY, SOUTH CAROLINA  
 SCALE: 1" = 30' DATE: 08/28/2014 JOB NO: SC95133P.1  
 REVISION: 10/14/2014; ADDED OWNER NAMES TO SUBJECT PARCELS  
 REVISION: 11/03/2014; UPDATED TO SHOW FINE TYPE  
 REVISION: 03/23/2020; UPDATED TO SHOW WATER LINE & STRUCTURES ALONG TARGET ROAD ONLY  
**SURVEYING CONSULTANTS**  
 17 Sheridans Drive, Suite C, Bluffton, SC 29910  
 8C Telephone: (843) 815-3904 FAX: (843) 815-3905  
 GA Telephone: (912) 858-8770  
 www.SurveyingConsultants.com  
 Email: SC@SurveyingConsultants.com  
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**LEGEND**

EXISTING ROADWAY EDGE OF PAVEMENT	
EXISTING BUILDING	
EXISTING PROPERTY LINE	
EXISTING WETLANDS	
EXISTING FIRE HYDRANT	
EXISTING STORM DRAIN PIPE	
EXISTING WATERMETER	
PROPOSED PERVIOUS CONCRETE	
PROPOSED CONCRETE	
PROPOSED STORM DRAINAGE PIPE	
PROPOSED FENCE	
PROPOSED WETLAND BUFFER	
PROPOSED WASTEWATER EASEMENT	
PROPOSED LIMITS OF DISTURBANCE	
PROPOSED DEMOLITION	
PROPOSED GRUBBING AREA	

**REVISION**

NO.	DATE	DESCRIPTION

APPROVALS:

ENGINEER	DESIGNER	TECHNICIAN	CHECKED BY	APPROVED
WBC	JPM	PEM	AVK	WBC

Professional Engineer Seal for Alliance Consulting Engineers, Inc. No. 35612. Signature of W. Williamsburg.

**ALLIANCE CONSULTING ENGINEERS**  
 Alliance Consulting Engineers, Inc.  
 115 Central Island Street, One Central Island Plaza, Suite 150  
 Charleston, South Carolina 29492-7319  
 Phone (843) 203-1600 • Fax (843) 203-1601

PROJECT: CONSTRUCTION PLANS FOR A 16 UNIT APARTMENT COMPLEX ON #6.54-ACRES LOCATED ON THE INTERSECTION OF PALMETTO BAY ROAD (US HIGHWAY 78) AND TARGET ROAD IN THE TOWN OF HILTON HEAD ISLAND, BEAUFORT COUNTY, SOUTH CAROLINA

EXISTING CONDITIONS AND DEMOLITION PLAN

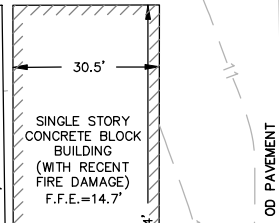
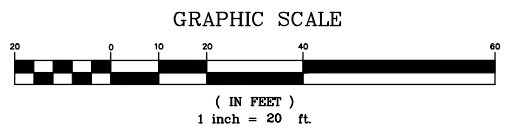
DATE: MARCH 2020 SCALE: 1" = 20'

PARCEL LABEL	AREA	TAX PARCEL ID.#	ADDRESS & (OWNER)
(A)	1.27 ACRES	R552-015-000-0368-0000	#24 PALMETTO BAY ROAD (DAVID L. SCHREIBER)
(B)	1.57 ACRES	R552-015-000-0015-0000	#22 PALMETTO BAY ROAD (PALMETTO BAY HOLDINGS LLC)
(C)	0.94 ACRES	R552-015-000-0012-0000	#20 PALMETTO BAY ROAD (SOUTHCOST FINANCIAL CORP.)
(D)	0.49 ACRES	R552-015-000-0078-0000	#16 PALMETTO BAY ROAD (CAHETI 3 DRY LLC)
(E)	0.49 ACRES	R552-015-000-0100-0000	#14 PALMETTO BAY ROAD (CULVER RUG CLEANER INC.)
(F)	0.92 ACRES	R552-015-000-0102-0000	#7 TARGET ROAD (BETTY ANN ATKINS)
(G)	0.92 ACRES	R552-015-000-0416-0000 & 0417	DRAINAGE EASEMENT (SOUTHCOST FINANCIAL CORP.)



Know what's below.  
Call before you dig.

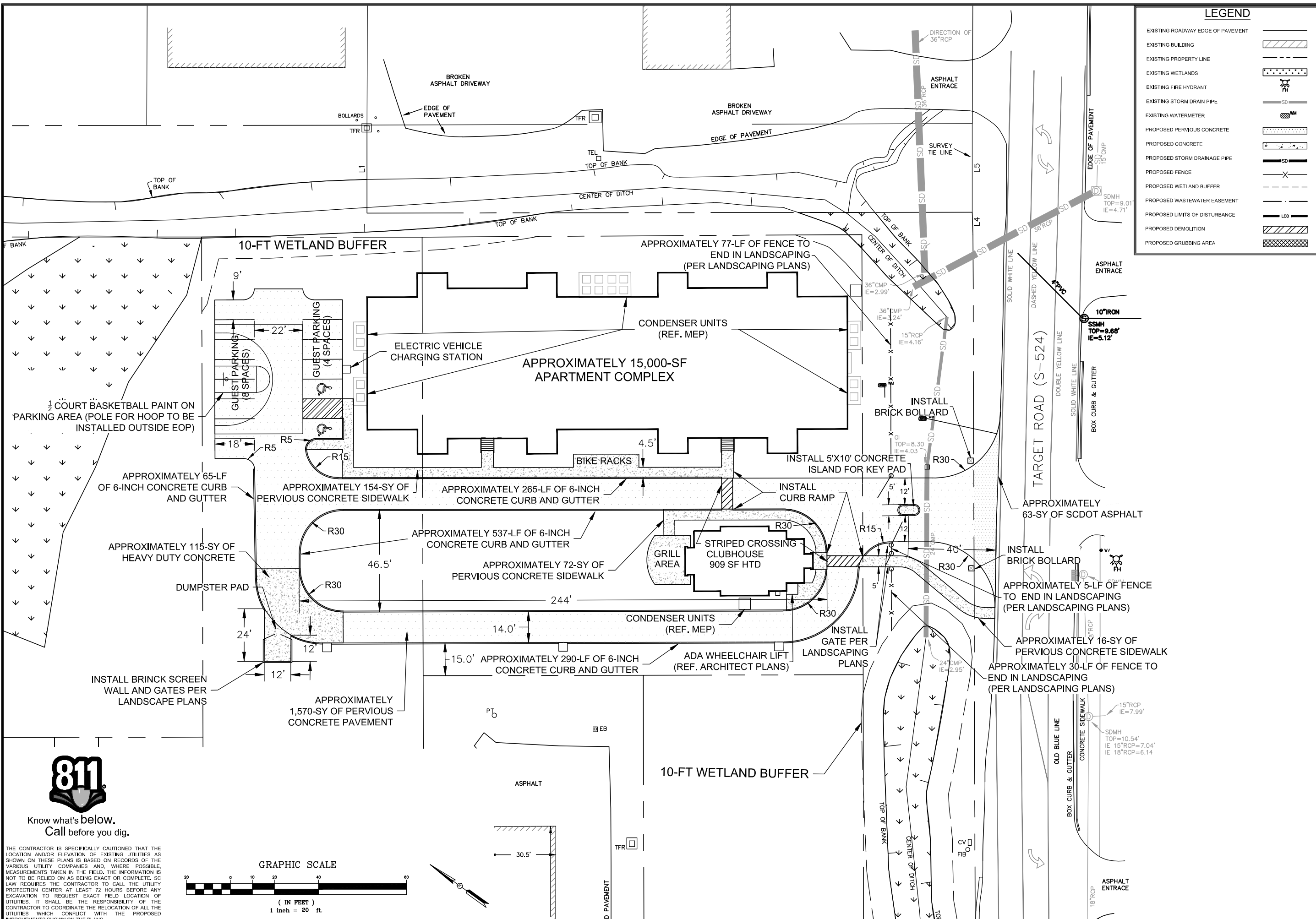
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. SC LAW REQUIRES THE CONTRACTOR TO CALL THE UTILITY PROTECTION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE RELOCATION OF ALL THE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.



FILE NAME: 20124 BASE.DWG  
 REFERENCE FILE: 20124 BASE.DWG  
 PROJECT NO.: 20124-0007

SHEET C2 OF 12  
 DWG NO. XX.XX-DX

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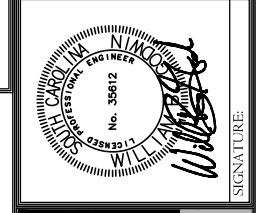
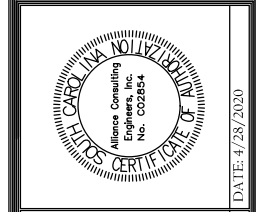


**LEGEND**

EXISTING ROADWAY EDGE OF PAVEMENT	---
EXISTING BUILDING	▨
EXISTING PROPERTY LINE	- - -
EXISTING WETLANDS	▨
EXISTING FIRE HYDRANT	⊕
EXISTING STORM DRAIN PIPE	SD
EXISTING WATERMETER	WM
PROPOSED PERVIOUS CONCRETE	▨
PROPOSED CONCRETE	▨
PROPOSED STORM DRAINAGE PIPE	SD
PROPOSED FENCE	X
PROPOSED WETLAND BUFFER	- - -
PROPOSED WASTEWATER EASEMENT	---
PROPOSED LIMITS OF DISTURBANCE	LOD
PROPOSED DEMOLITION	▨
PROPOSED GRUBBING AREA	▨

REVISION DATE

APPROVALS	ENGINEER	WBC	DESIGNER	PTM	TECHNICIAN	PTM	CHECKED BY	AWK	APPROVED	WBC
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**ALLIANCE CONSULTING ENGINEERS**  
 Alliance Consulting Engineers, Inc.  
 115 Central Island Street, One Central Island Plaza, Suite 150  
 Charleston, South Carolina 29402-7319  
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SHEET  
 PROJECT  
 CONSTRUCTION PLANS FOR A 16 UNIT APARTMENT COMPLEX ON #6.54-ACRES LOCATED ON THE INTERSECTION OF PALMETTO BAY ROAD (US HIGHWAY 78) AND TARGET ROAD IN THE TOWN OF HILTON HEAD ISLAND, BEAUFORT COUNTY, SOUTH CAROLINA

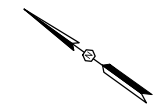
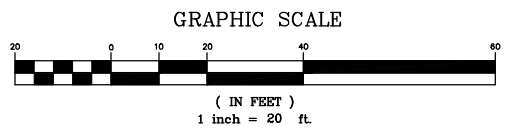
WILLIAMSBURG COUNTY SOUTH CAROLINA  
 DATE: MARCH 2020  
 SCALE: 1" = 20'

FILE NAME:	20124 BASE.DWG	SHEET	C3
REFERENCE FILE:	20124 BASE.DWG	OF	12
PROJECT NO.:	20124-0007	DWG NO.	XX.XX-DX

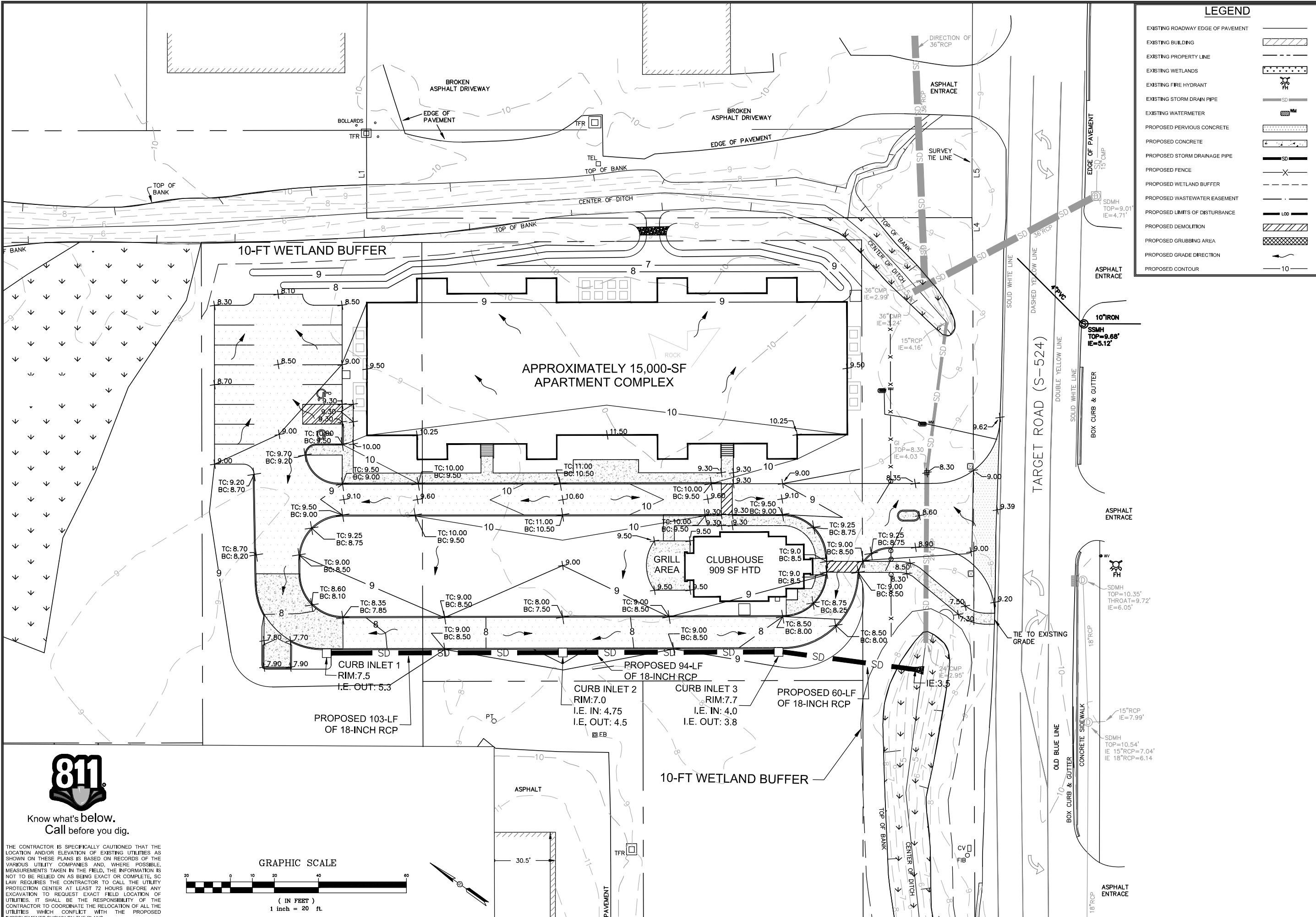


Know what's below.  
 Call before you dig.

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. SC LAW REQUIRES THE CONTRACTOR TO CALL THE UTILITY PROTECTION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE RELOCATION OF ALL THE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.



April 28, 2020 - 12:41:01 PM C:\Users\cmeyf\Desktop\20124-0007 Design & Permit\3x16 Unit Apt Complex Town of Hilton Head Island\Bldg\20124-0007 Construction\Plan.dwg  
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LEGEND	
EXISTING ROADWAY EDGE OF PAVEMENT	
EXISTING BUILDING	
EXISTING PROPERTY LINE	
EXISTING WETLANDS	
EXISTING FIRE HYDRANT	
EXISTING STORM DRAIN PIPE	
EXISTING WATERMETER	
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PROPOSED WASTEWATER EASEMENT	
PROPOSED LIMITS OF DISTURBANCE	
PROPOSED DEMOLITION	
PROPOSED GRUBBING AREA	
PROPOSED GRADE DIRECTION	
PROPOSED CONTOUR	

APPROVALS	REVISION DATE
ENGINEER	
WBC	
DESIGNER	
PEM	
TECHNICIAN	
CHECKED BY	
APPROVED	
WBC	

Alliance Consulting Engineers, Inc.  
 No. 35612  
 No. 022854  
 DATE: 4/28/2020  
 SIGNATURE:

**ALLIANCE CONSULTING ENGINEERS**  
 Alliance Consulting Engineers, Inc.  
 115 Central Island Street, One Central Island Plaza, Suite 150  
 Charleston, South Carolina 29402-7319  
 Phone: (843) 203-1600 • Fax: (843) 203-1601

SHEET  
 CONSTRUCTION PLANS FOR A 16 UNIT APARTMENT COMPLEX ON ±6.54-ACRES LOCATED ON THE INTERSECTION OF PALMETTO BAY ROAD (US HIGHWAY 78) AND TARGET ROAD IN THE TOWN OF HILTON HEAD ISLAND, BEAUFORT COUNTY, SOUTH CAROLINA  
 WILLIAMSBURG COUNTY SOUTH CAROLINA  
 DATE: MARCH 2020  
 SCALE: 1" = 20'

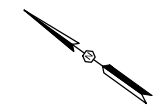
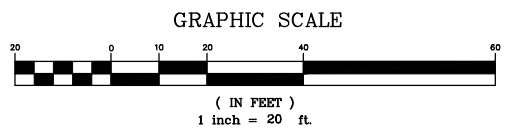
PROJECT  
 FILE NAME: 20124 BASE.DWG  
 REFERENCE FILE: 20124 BASE.DWG  
 PROJECT NO.: 20124-0007

SHEET  
 C4  
 OF  
 12  
 DWG NO. XX.XX-DX



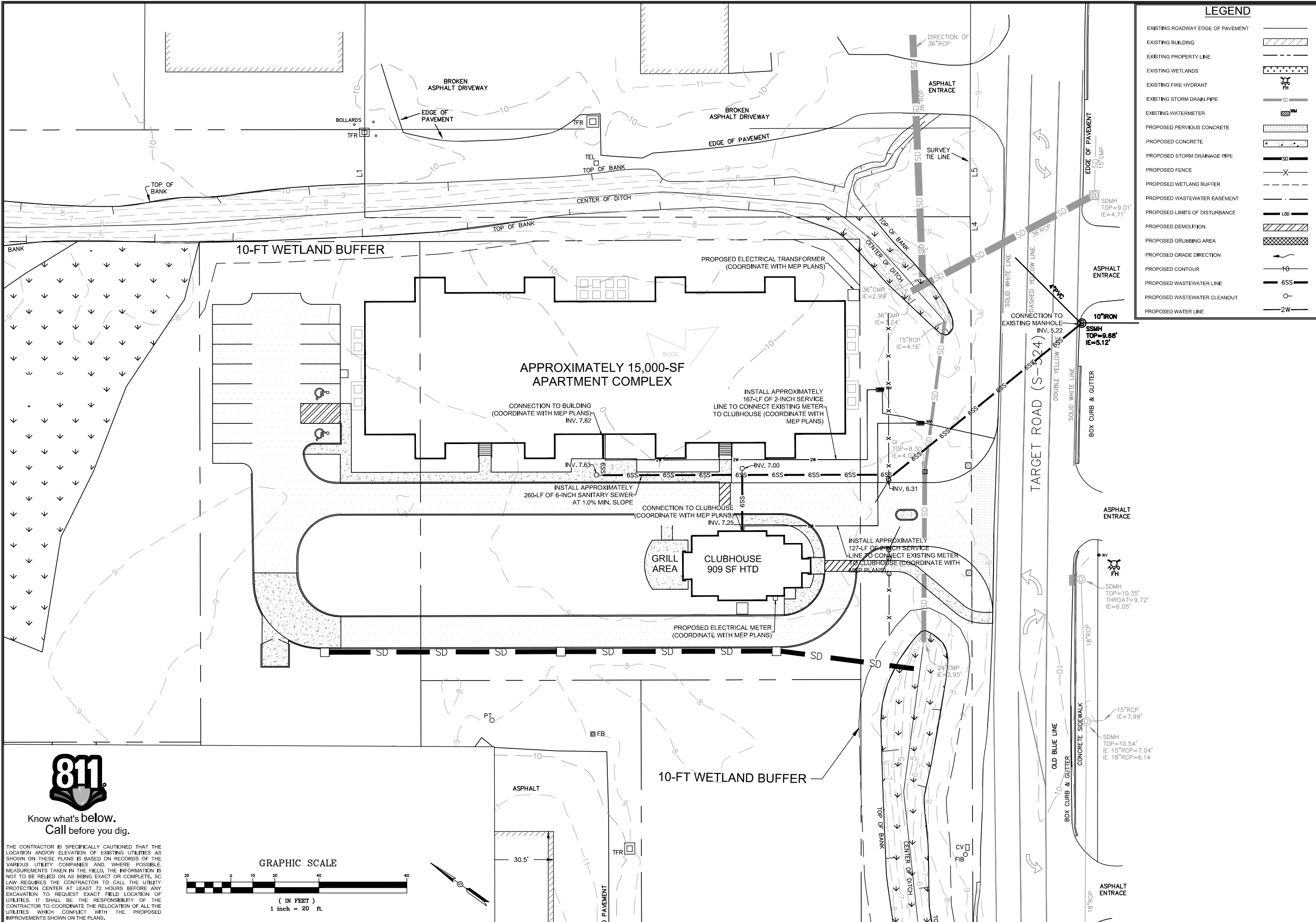
Know what's below.  
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THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. SC LAW REQUIRES THE CONTRACTOR TO CALL THE UTILITY PROTECTION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE RELOCATION OF ALL THE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.



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**LEGEND**

EXISTING ROADWAY EDGE OF PAVEMENT	
EXISTING BUILDING	
EXISTING PROPERTY LINE	
EXISTING WETLANDS	
EXISTING FIRE HYDRANT	
EXISTING STORM DRAIN PIPE	
EXISTING WATERMETER	
PROPOSED PERVIOUS CONCRETE	
PROPOSED CONCRETE	
PROPOSED STORM DRAINAGE PIPE	
PROPOSED FENCE	
PROPOSED WETLAND BUFFER	
PROPOSED WASTEWATER EASEMENT	
PROPOSED LIMITS OF DISTURBANCE	
PROPOSED DEMOLITION	
PROPOSED GRUBBING AREA	
PROPOSED GRADE DIRECTION	
PROPOSED CONTOUR	
PROPOSED WASTEWATER LINE	
PROPOSED WASTEWATER CLEANOUT	
PROPOSED WATER LINE	

REVISION		DATE

ENGINEER	WBC	DESIGNER	PTM	TECHNICIAN	PTM	CHECKED BY	AYK	APPROVED	WBC
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DATE: 4/28/2020

**ALLIANCE CONSULTING ENGINEERS**  
 Alliance Consulting Engineers, Inc.  
 115 Central Island Square One Coastal Island Plaza, Suite 150  
 Charleston, South Carolina 29492-7319  
 Phone: (843) 203-1600 • Fax: (843) 203-1601

**UTILITY LAYOUT PLAN**

SHEET

DATE: MARCH 2020

SCALE: 1" = 20'

PROJECT

CONSTRUCTION PLANS FOR A 16 UNIT APARTMENT COMPLEX ON 6.54-ACRES LOCATED ON THE INTERSECTION OF PALMETTO RAY ROAD (US HIGHWAY 78) AND TARGET ROAD IN THE TOWN OF HILTON HEAD ISLAND, BEAUFORT COUNTY, SOUTH CAROLINA

WILLIAMSBURG COUNTY SOUTH CAROLINA

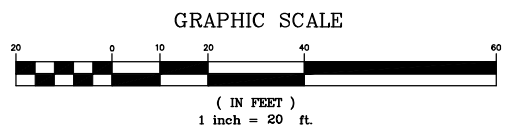
FILE NAME:	20124 BASE.DWG	SHEET	
REFERENCE FILE:	20124 BASE.DWG	OF	
PROJECT NO.:	20124-0007		

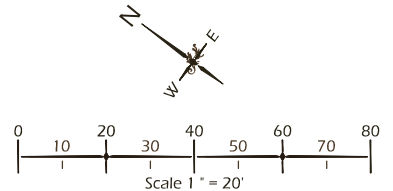
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 THIS SHEET TO SCALE AT: 24"X36"

SITE DEVELOPMENT PLANS  
 FOR  
**PALMETTO BAY LODGES**  
 LANDSCAPE PLAN  
 HILTON HEAD ISLAND, SOUTH CAROLINA

DATE: APR 28, 2020  
 PROJECT NO.: 20044.01  
 DRAWN BY: CK  
 CHECKED BY: BW

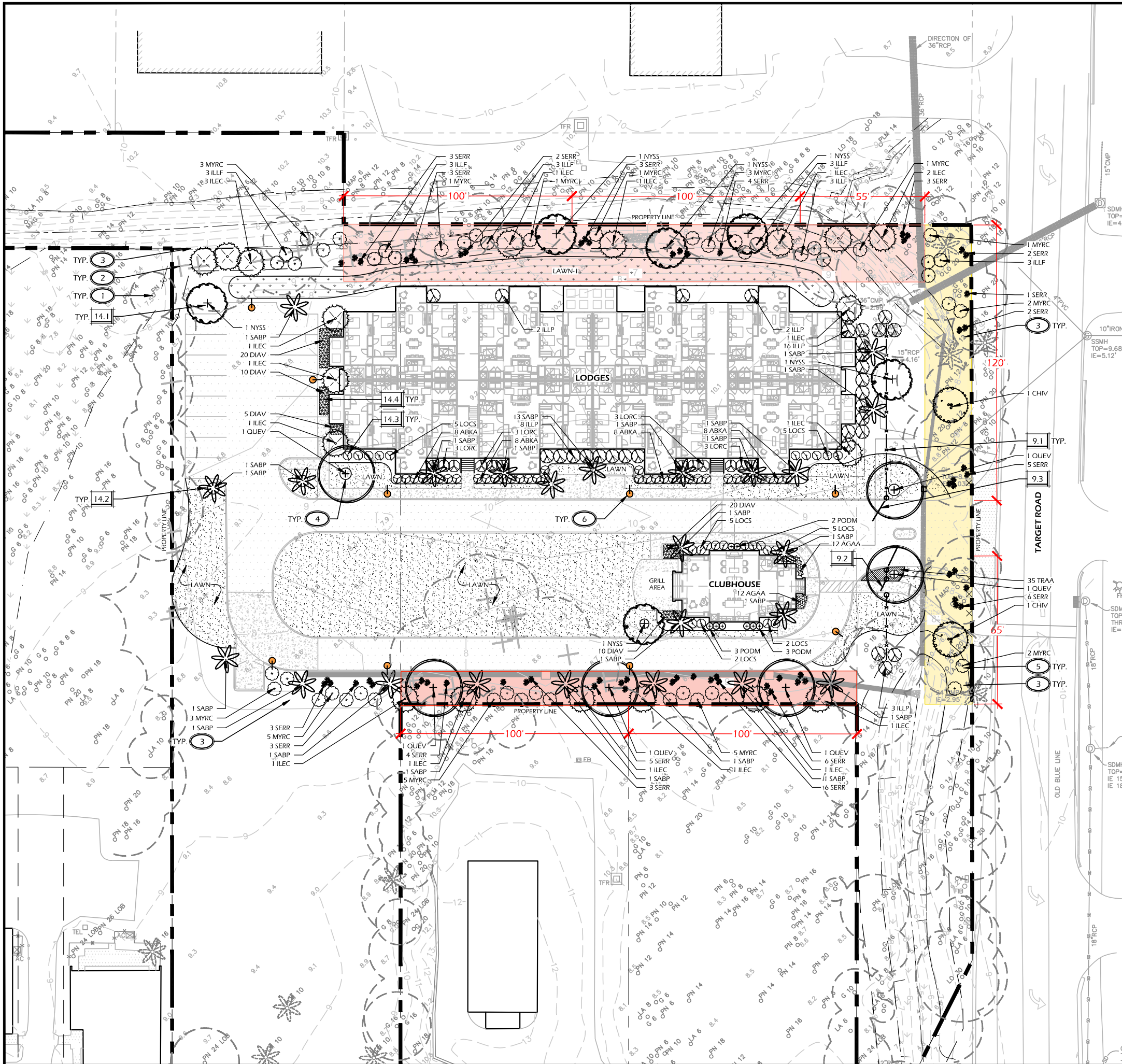
**PRELIMINARY  
 SUBMITTAL PLAN,  
 NOT FOR  
 CONSTRUCTION**

REVISIONS:


DRAWING TITLE  
**SITE ANALYSIS**

DRAWING NUMBER  
**L10**





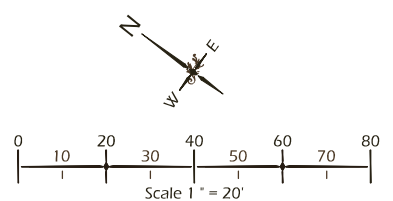
BUFFER SUMMARY						
BUFFER SECTION	OVERSTORY REQUIRED	OVERSTORY PROVIDED	UNDERSTORY REQUIRED	UNDERSTORY PROVIDED	SHRUBS REQUIRED	SHRUBS PROVIDED
<b>NORTHEAST BUFFER (TYPE B - OPTION 1, 25' WIDE)</b>						
SEC. 1 (100 LF)	3	4 (2 EXISTING)	6	6	10	15
SEC. 2 (100 LF)	3	3 (1 EXISTING)	6	6	10	10
SEC. 3 (55 LF)	2	(2 EXISTING)	3	3	5	6
<b>SOUTHWEST BUFFER (TYPE B - OPTION 2, 15' WIDE)</b>						
SEC. 1 (100 LF)	4	4	8	8	12	12
SEC. 2 (100 LF)	4	4	8	8	12	12
<b>SOUTHEAST BUFFER (TYPE A - OPTION 1, 20' WIDE)</b>						
SEC. 1 (120 LF)	2	(9 EXISTING)	4	4	10	13
SEC. 2 (65 LF)	1	(4 EXISTING)	2	3	5	6

SITE DETAILS		
CALL-OUT	DESCRIPTION	DETAIL
9.1	WOODEN FENCE	1/L600
9.2	PEDESTRIAN GATE	2/L600
9.3	VEHICULAR GATE	3/L600

PLANTING DETAILS		
CALL-OUT	DESCRIPTION	DETAIL
14.1	TREE PLANTING	1/L501
14.2	PALM TREE PLANTING	2/L501
14.3	SHRUB PLANTING	3/L501
14.4	GROUND COVER PLANTING	4/L501

PLANT KEY LEGEND		
Abbrev	Botanical Name	Common Name
<b>TREES</b>		
NYSS	<i>Nyssa sylvatica</i>	Black Gum
QUEV	<i>Quercus virginiana</i>	Live Oak
SABP	<i>Sabal palmetto</i>	Cabbage Palm
<b>UNDERSTORY TREES</b>		
CHIV	<i>Chionanthus virginicus</i>	Fringe Tree
ILEC	<i>Ilex cassine</i>	Dahoon Holly
MYRC	<i>Myrica cerifera</i>	Wax Myrtle
<b>SHRUBS</b>		
ABKA	<i>Abelia x grandiflora</i> 'Kaleidoscope'	Kaleidoscope Abelia
ILLF	<i>Illicium floridanum</i>	Florida Anise
ILLP	<i>Illicium parviflorum</i>	Yellow Anise
LOCS	<i>Loropetalum chinense</i> 'Shang-white' PP21738	Emerald Snow Fringe Flower
LORC	<i>Loropetalum chinense</i> 'Chang Nian Hong'	Ever Red Fringe Flower
PODM	<i>Podocarpus macrophyllus</i>	Podocarpus
SERR	<i>Serenoa repens</i>	Saw Palmetto
<b>GROUND COVERS, VINES &amp; PERENNIALS</b>		
AGAA	<i>Agapanthus africanus</i>	Lily of the Nile
DIAV	<i>Dianella tasmanica</i> 'Variegata'	Variegated Flax Lily
TRAA	<i>Trachelospermum asiaticum</i>	Asiatic Jasmine

- PLANTING REFERENCE NOTES:**
- 1 EXISTING TREES TO REMAIN.
  - 2 EXISTING TREES TO BE REMOVED.
  - 3 MULCH DISTURBED AREAS DUE TO CONSTRUCTION.
  - 4 MULCH RING, TYP.
  - 5 CAREFULLY EXCAVATE SHRUB PITS IN VICINITY OF EXISTING TREES, WITHOUT DISTURBING TREE ROOTS.
  - 6 STREET LIGHT LOCATION.



**Winters Jones-Keefe Ltd.**  
 landscape architecture  
 land planning  
 www.wjkltd.com  
 88 Promenade Street, Suite 201 | Burlington, South Carolina 29910 | ph. 843.287.7411

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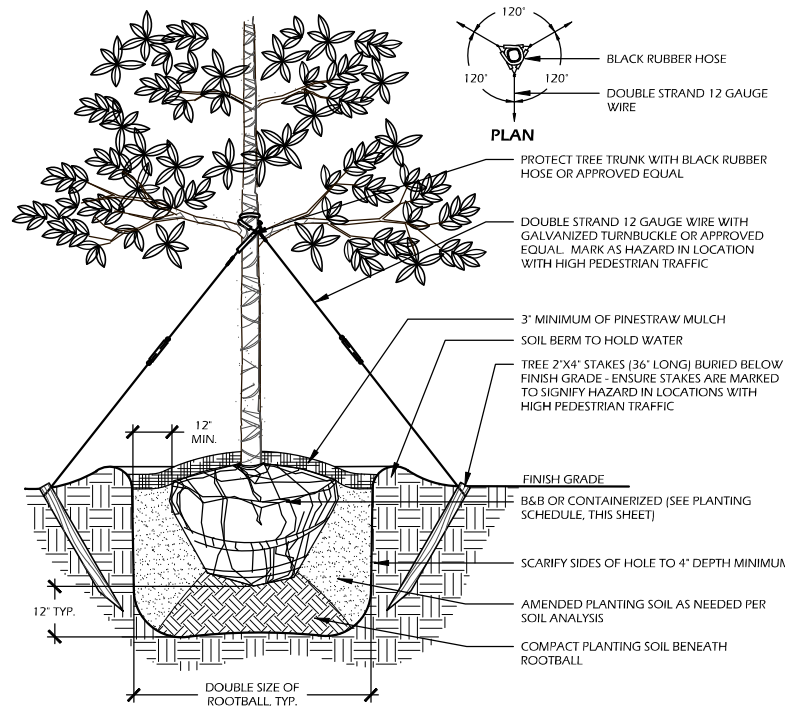
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**PRELIMINARY  
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 CONSTRUCTION**

REVISIONS:  
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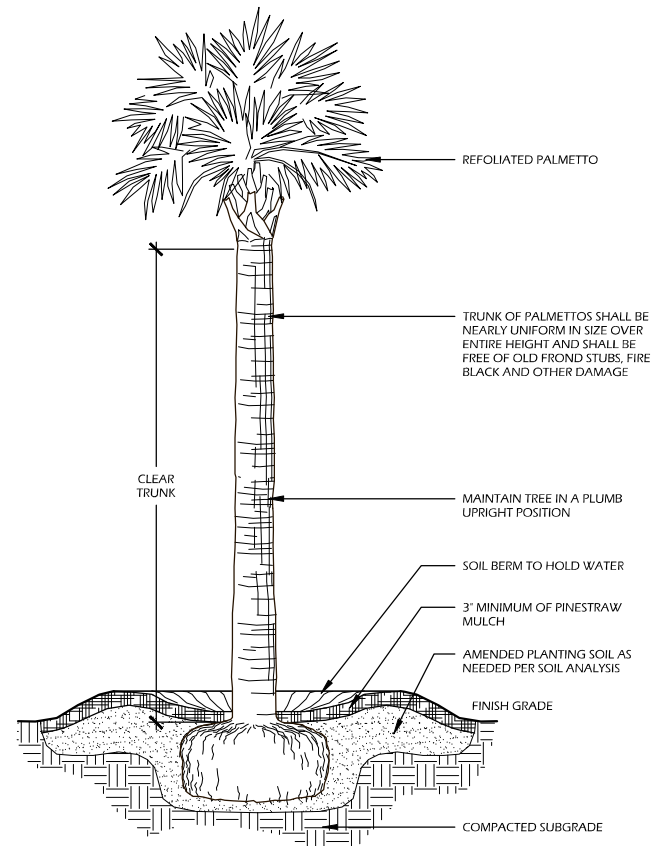
DRAWING TITLE  
**PLANTING PLAN**

DRAWING NUMBER  
**L500**



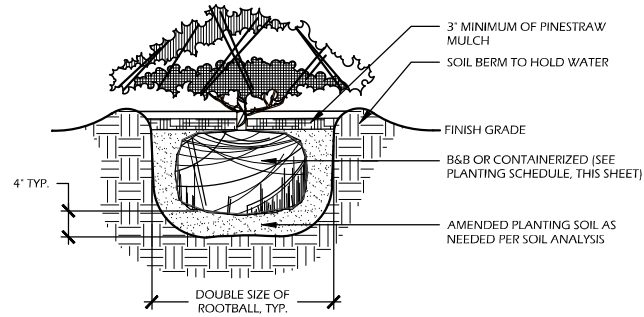
- NOTES:**
1. TREE STAKING OPTIONAL, HOWEVER, LANDSCAPE CONTRACTOR RESPONSIBLE FOR MAINTAINING TREES IN AN UPRIGHT (90 DEGREE/ PERPENDICULAR) POSITION FOR 1 YEAR AFTER PLANTING IS COMPLETE OR UNTIL TREE ROOT SYSTEM IS FULLY ESTABLISHED AND STURDY. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER'S REPRESENTATIVE.
  2. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
  3. IN SEMI-IMPERVIOUS SOIL CONDITIONS, ROOTBALL ELEVATION SHALL BE 2" ABOVE FINISH GRADE. COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO SETTING ROOTBALL ELEVATIONS.

1 // L501 TREE PLANTING  
SCALE: N.T.S.



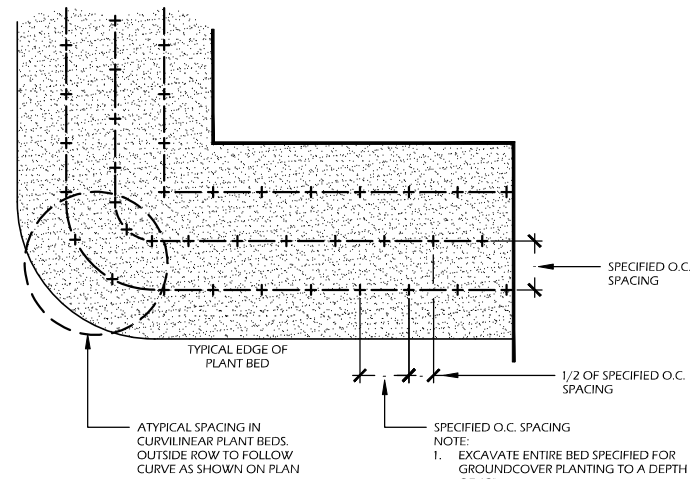
- NOTES:**
1. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE.
  2. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
  3. SABAL PALMETTOS SHALL BE REFOLIATED, PROTECT CABBAGE HEAD FROM DAMAGE.

2 // L501 PALM TREE PLANTING  
SCALE: N.T.S.



- NOTES:**
1. WHEN GROUNDCOVERS AND SHRUBS ARE USED IN MASSES, ENTIRE BED TO BE EXCAVATED TO RECEIVE PLANTING SOIL AND PLANT MATERIAL.
  2. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
  3. IN SEMI-IMPERVIOUS SOIL CONDITIONS, ROOTBALL ELEVATION SHALL BE 2" ABOVE FINISH GRADE. COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO SETTING ROOTBALL ELEVATIONS.

3 // L501 SHRUB PLANTING  
SCALE: N.T.S.



4 // L501 GROUND COVER PLANTING  
SCALE: N.T.S.

**PLANT SCHEDULE:**

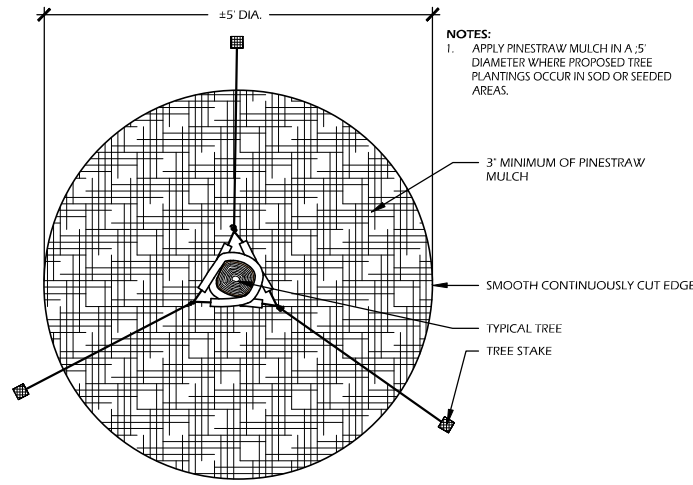
Quantity	Abbrev	Botanical Name	Common Name	Height	Spread	Container	Gal./Spacing	Notes
<b>TREES</b>								
6	NYSS	Nyssa sylvatica	Black Gum	10'-12'	5'-6'	Cont.	2'	Full
6	QUEV	Quercus virginiana	Live Oak	10'-12'	6'-8'	Cont.	2'	Full
24	SABP	Sabal palmetto	Cabbage Palm	10'-14'	6'-8'	Cont.	-	Refoliated, See plan for heights
<b>UNDERSTORY TREES</b>								
2	CHIV	Chionanthus virginicus	Fringe Tree	6'-7'	3'-4'	15 gal.	-	Full
19	ILEC	Ilex cassine	Dahoon Holly	6'-7'	3'-4'	15 gal.	-	Full
33	MYRC	Myrica cerifera	Wax Myrtle	6'-7'	2'-3'	30 gal.	-	Full
<b>SHRUBS</b>								
36	ABKA	Abelia x grandiflora 'Kaleidoscope'	Kaleidoscope Abelia	30"-36"	24"-30"	7 gal.	-	Full
18	ILLF	Illicium floridanum	Florida Anise	30"-36"	24"-30"	7 gal.	-	Full
31	ILLP	Illicium parviflorum	Yellow Anise	30"-36"	24"-30"	7 gal.	-	Full
24	LOCS	Loropetalum chinense 'Shang-white' PP21738	Emerald Snow Fringe Flower	30"-36"	24"-30"	7 gal.	-	Full
12	LORC	Loropetalum chinense 'Chang Nian Hong'	Ever Red Fringe Flower	30"-36"	24"-30"	7 gal.	-	Full
8	PODM	Podocarpus macrophyllus	Podocarpus	36"-42"	24"-30"	7 gal.	-	Full
64	SERR	Serenoa repens	Saw Palmetto	36' min.	24'-30'	7 gal.	-	Full
<b>GROUND COVERS, VINES &amp; PERENNIALS</b>								
24	AGAA	Agapanthus africanus	Lily of the Nile	12"-18"	8"-12"	1 gal.	24" O.C.	Blue Flowers, Full
65	DIAY	Dianella tasmanica 'Variegata'	Variegated Flax Lily	12" 18"	12" 18"	1 gal.	24" O.C.	Full
35	TRAA	Trachelospermum asiaticum	Asiatic Jasmine	4'-6'	12' runners	1 gal.	18" O.C.	Full
<b>SOD &amp; MULCH</b>								
11,550	LAWN-SF	-	Centipede Sod	-	-	-	-	-
2,800	LAWN-1-SF	-	Centipede Seed	-	-	-	-	-
31,600	MULCH-SF	Pine Straw - all disturbed areas	Pine Straw	-	-	-	-	-

**TREE MITIGATION TABLES:**

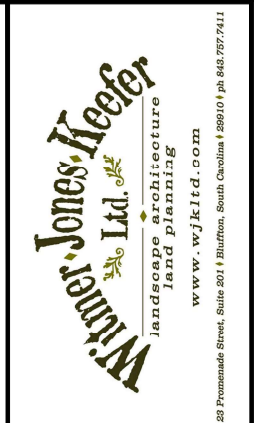
Species Abbrev.	Trees Removed						Tree Mitigation Calculations				
	LO	LA	G	BIR	PLM	PN	CAT. I	CAT. II	CAT. III	CAT. IV	
Caliper Inches	10	8	6	10	14	14	4	10	18	0	
		8	10	10			40	98	308	0	
		14	14	14	14	14					
		8	8	8	8	8					
		6	6	6	6	6					
		8	8	8	8	8					
		16	16	16	16	16					
		20	20	20	20	20					
		28	28	28	28	28					
		16	16	16	16	16					
		16	16	16	16	16					
		16	16	16	16	16					
		16	16	16	16	16					
		16	16	16	16	16					
Species DBH Totals	10	30	78	20	14	294					
Total DBH Inches	CAT. I	40	CAT. II	98	CAT. III	308					

**TREE LEGEND:** LO-Live Oak, LA-Laurel Oak, G-Sweet Gum, BIR-River Birch, PLM-Palmetto, PN-Pine

\*NOTE: 14 CAT. IV TREES TO BE USED TO MEET THE ADDITIONAL 7 CAT. III TREES REQUIRED



5 // L501 TREE STAKING  
SCALE: N.T.S.



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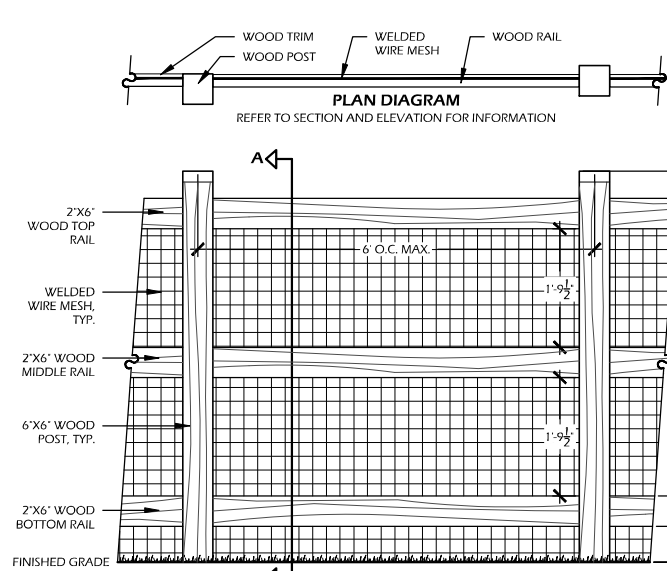
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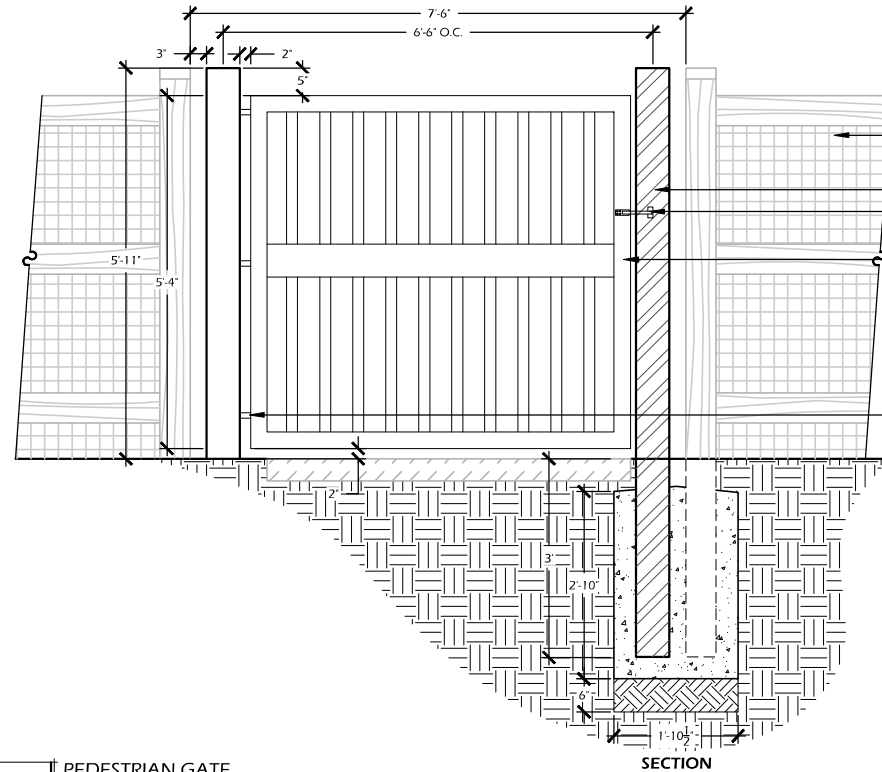
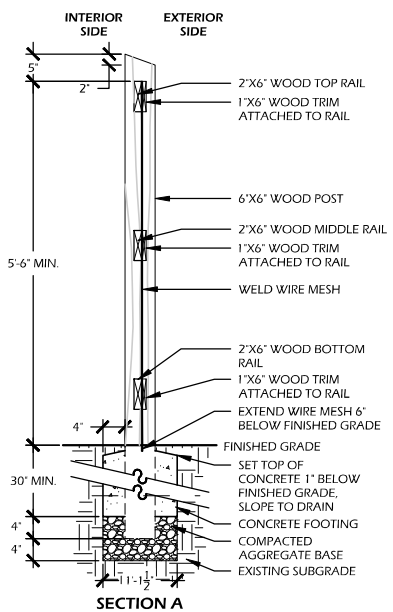

DRAWING TITLE  
PLANT SCHEDULE AND DETAILS

DRAWING NUMBER  
**L501**



**MATERIAL SPECIFICATION:**  
**WOOD:** NO. 1 PRESSURE TREATED SOUTHERN YELLOW PINE  
**WOOD COLOR:** STAINED TO MATCH ARCHITECTURE OR WHITE  
**WELDED WIRE MESH:** 14 GAUGE, 3'X3' GRID MAX.  
**MESH COLOR:** NA  
**CONCRETE:** 3,000 P.S.I. @ 28 DAYS

**NOTES:**  
 1. WOOD TRIM SHALL BE ATTACHED TO WOOD RAIL TO CONCEAL WELDED WIRE MESH.  
 2. SLOPE ALL WOOD POSTS AS SHOWN TO DRAIN.  
 3. CONTRACTOR SHALL PROVIDE COLOR SAMPLES TO BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.  
 4. ALL ATTACHMENTS SHALL BE WITH STAINLESS STEEL SCREWS SUITABLE FOR PRESSURE TREATED WOOD, NO NAILS SHALL BE USED.

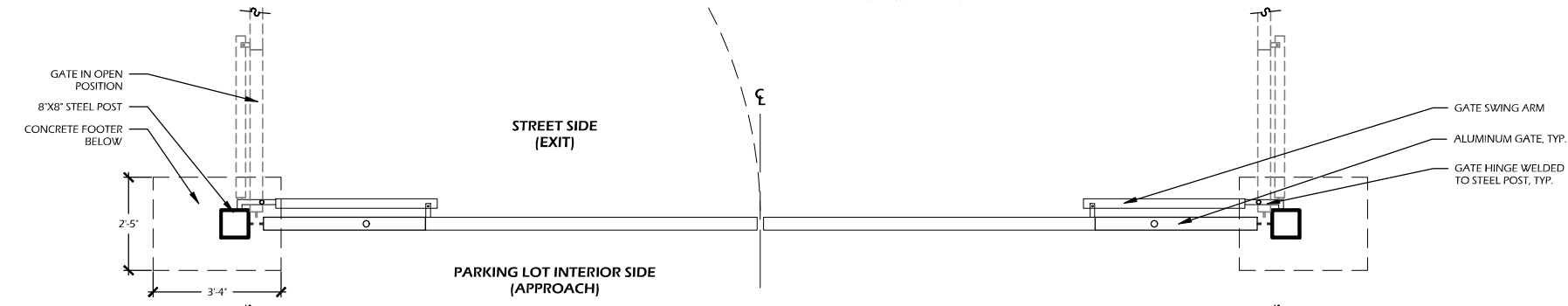


**GATE INFORMATION:**  
**GATE:** CUSTOM ALUMINUM GATE. FINAL SHOP DRAWINGS TO BE PROVIDED BY FABRICATOR FOR APPROVAL BY OWNER AND LANDSCAPE ARCHITECT PRIOR TO FABRICATION.  
**STEEL POST:** SHARE FOOTINGS WITH ADJACENT FENCE POSTS  
**HINGE:** TO BE SELECTED BY OWNER  
**GATE I-BEAM, STEEL POST, HINGE COLOR:** POWER COATED TO MATCH VEHICULAR GATE. GATE CONTRACTOR SHALL PROVIDE COLOR SAMPLES FOR APPROVAL BY OWNER AND LANDSCAPE ARCHITECT PRIOR TO FABRICATION.

**NOTES:**  
 1. GATE CONTRACTOR SHALL CONFIRM GATE OPENING, HINGE AND STEEL POST ATTACHMENTS TO COLUMNS PRIOR TO CONSTRUCTION.  
 2. IT IS THE RESPONSIBILITY OF THE GATE CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR AND PROVIDE SHOP DRAWINGS AND STRUCTURAL DRAWINGS FOR GATE ASSEMBLY INCLUDING, BUT NOT LIMITED TO, ALUMINUM GATE, CONNECTIONS / WELDS, HINGES, STEEL POST, I-BEAM, ETC. FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT AND OWNER OR OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.  
 3. GATE CONTRACTOR TO OBTAIN SWING GATE SYSTEM SHOP DRAWINGS AND SPECIFICATIONS TO BE REVIEWED AND APPROVED BY OWNER OR OWNER'S REPRESENTATIVE BEFORE ORDERING AND INSTALLATION. INSTALL ALL ITEMS PER MANUFACTURER SPECIFICATIONS AND RECOMMENDATIONS.

1 // L600 WOOD FENCE  
 SCALE: 3/4" = 1'-0"

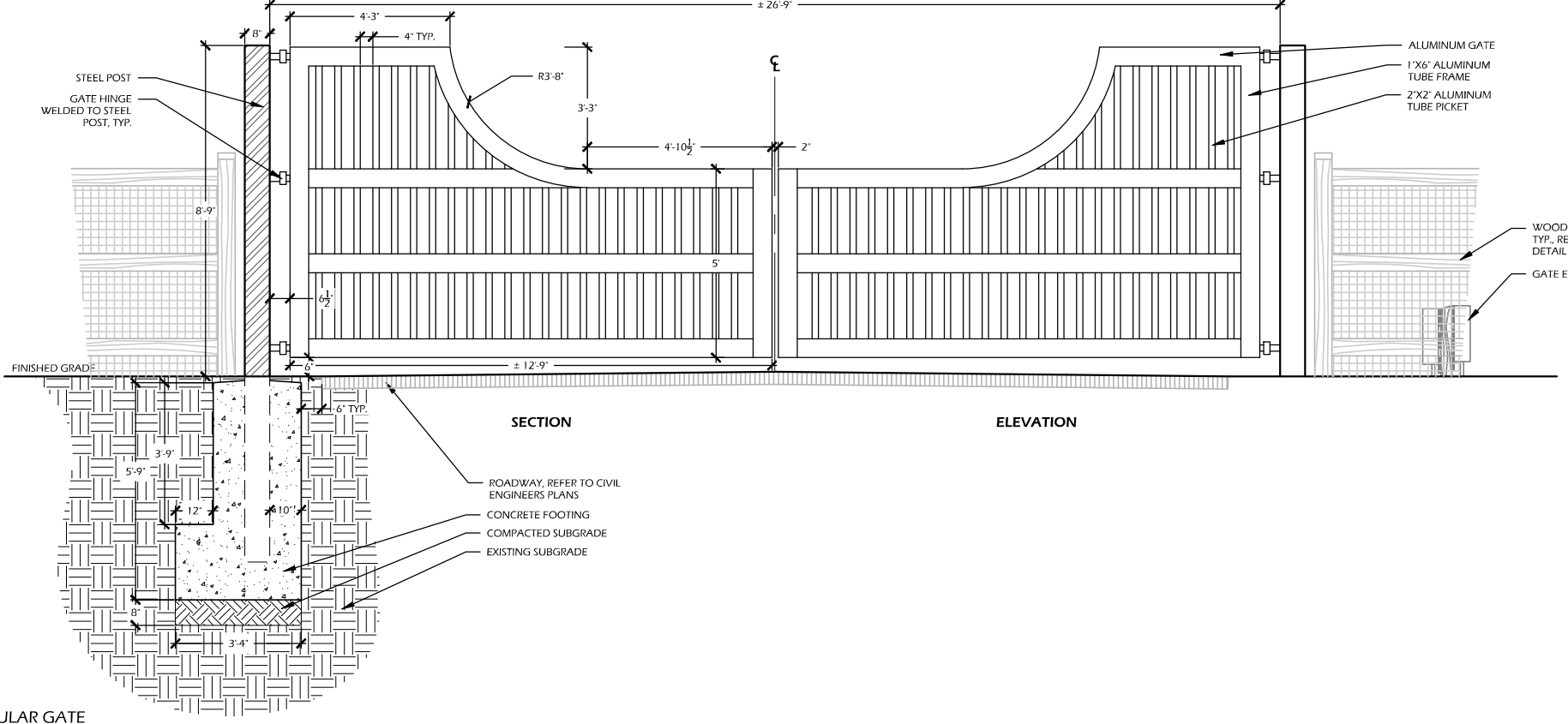
2 // L600 PEDESTRIAN GATE  
 SCALE: 3/4" = 1'-0"



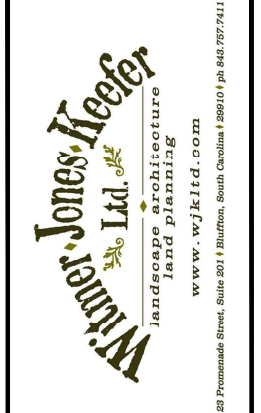
**MATERIAL INFORMATION:**  
**GATE:** CUSTOM ALUMINUM GATE, FINAL SHOP DRAWINGS TO BE PROVIDED BY FABRICATOR FOR APPROVAL PRIOR TO CONSTRUCTION. MECHANISM TO BE PROVIDED AND INSTALLED BY GATE CONTRACTOR. GATE TO BE PAINTED CHARLESTON GREEN TO MATCH FENCE  
**STEEL POST:** 8'X8' STEEL TUBING SET INTO CONCRETE FOOTING PER GATE CONTRACTOR, BLACK COLOR.  
**CONCRETE:** 3,000 P.S.I., TYP.  
**SOIL COMPACTION:** 98% STANDARD PROCTOR

**GATE MANUFACTURER INFORMATION:**  
 SALT MARSH METALWORKS  
 3 HUNTER ROAD, UNIT C  
 HILTON HEAD ISLAND, SC. 29925  
 PHONE: (843) 540-4714  
 WEB: WWW.SALTMARSHMETALWORKS.COM

**NOTES:**  
 1. GATE DIMENSIONS AND OPENING WIDTH TO BE VERIFIED IN FIELD PRIOR TO FABRICATION.  
 2. GATE CONTRACTOR SHALL CONFIRM GATE OPENING, HINGE AND STEEL POST ATTACHMENTS TO COLUMNS PRIOR TO CONSTRUCTION.  
 3. IT IS THE RESPONSIBILITY OF THE GATE CONTRACTOR TO PROVIDE SHOP DRAWINGS AND STRUCTURAL DRAWINGS FOR GATE ASSEMBLY, INCLUDING (BUT NOT LIMITED TO) CONNECTIONS, HINGES, STEEL POST, STEEL I-BEAM, ETC. FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT AND OWNER OR OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.  
 4. THE CONTRACTOR SHALL COORDINATE WITH GATE FABRICATOR TO PROVIDE SHOP DRAWINGS DETAILING THE GATE FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.  
 5. GATE SHALL BE INSTALLED WITH SWING MECHANISM, REMOTE ENTRY AND AN EMERGENCY KEYPAD AT THE REQUEST OF THE OWNER'S REPRESENTATIVE.  
 6. GATE OPERATOR ARM SELECTION TO BE APPROVED BY OWNERS REPRESENTATIVE. INSTALL ALL ITEMS PER MANUFACTURER SPECIFICATIONS AND RECOMMENDATIONS.  
 7. CONTRACTOR TO STUB-OUT ELECTRICAL SUPPLY OF 220 VOLT / 20 AMP POWER FOR GATE OPERATOR.  
 8. GATE OPERATING SYSTEM TO INCLUDE 'CLICK TO ENTER' AND KNOX KEY SWITCH FOR EMERGENCY ACCESS.  
 9. LANDSCAPE ARCHITECT AND OWNER OR OWNER'S REPRESENTATIVE TO APPROVE SHOP DRAWINGS PRIOR TO CONSTRUCTION.  
 10. GATE EQUIPMENT TO BE CONCEALED/HIDDEN AND LOCATION TO BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE.



3 // L600 VEHICULAR GATE  
 SCALE: 1/2" = 1'-0"



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 CHECKED BY: BW

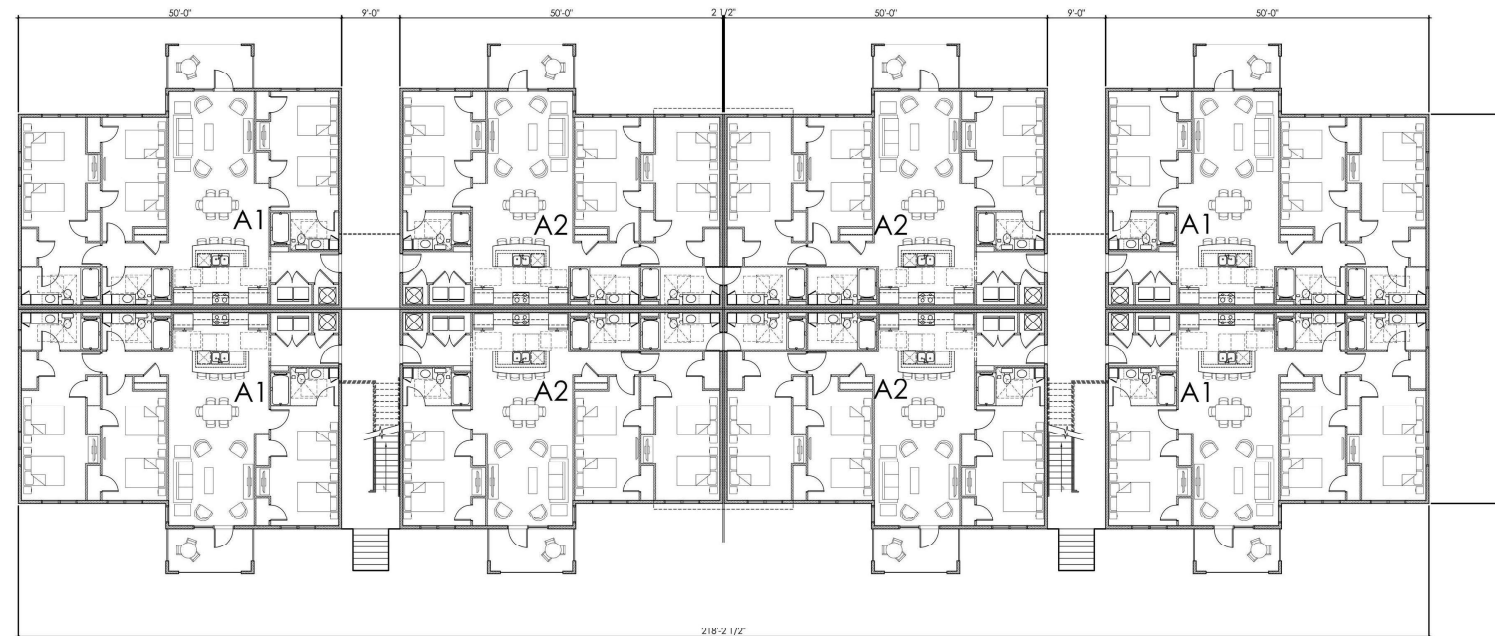
PRELIMINARY SUBMITTAL PLAN,  
 NOT FOR CONSTRUCTION

REVISIONS:


DRAWING TITLE  
 SITE DETAILS

DRAWING NUMBER

L600



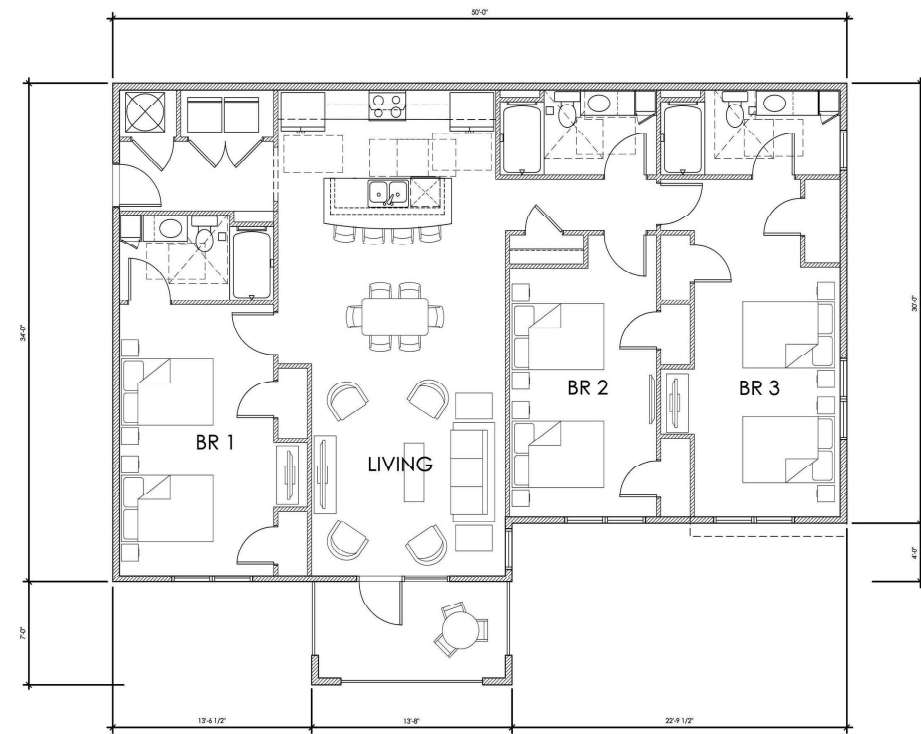
**GARDEN BUILDING 1 - FLOORPLAN**  
 (2ND FLOOR SIMILAR)  
 8 UNITS/FLOOR 16 UNITS BUILDING



**SEA PINES RESORT - PALMETTO BAY  
 HILTON HEAD ISLAND, SC**

BUILDING 1 KEY PLAN  
 CONCEPTUAL DRB SUBMITTAL  
 14 APRIL 2020





**TYPICAL UNIT PLAN**  
 3 BEDROOM, 3 BATH.  
 1608 SF HUD



SEA PINES RESORT - PALMETTO BAY  
 HILTON HEAD ISLAND, SC

TYPICAL UNIT PLAN  
 CONCEPTUAL DRB SUBMITTAL  
 14 APRIL 2020





SEA PINES RESORT - PALMETTO BAY  
 HILTON HEAD ISLAND, SC

COLORED ELEVATIONS 3  
 CONCEPTUAL DRB SUBMITTAL  
 14 APRIL 2020



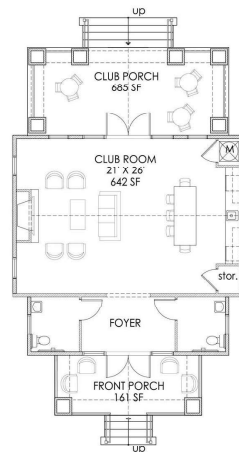


- CUPOLA
- BRACKETS
- STANDING SEAM
- METAL ROOFING
- FIBER CEMENT BOARD
- FASCIA
- EXPOSED RAFTER TAILS
- FIBER CEMENT BOARD
- AND BALL IN SIDING
- FIBER CEMENT
- STAGGER LAP SIDING
- VINYL WINDOW
- WITH FIBER CEMENT TRIM
- HARDIE BOARD
- WITH DRIP EDGE
- BRICK PIERS

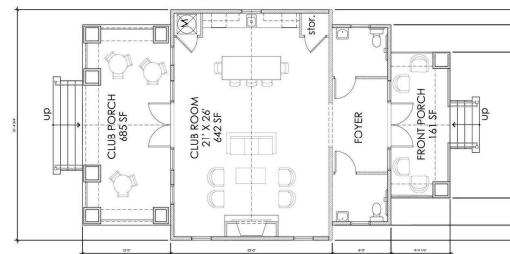
- STANDING SEAM
- METAL ROOFING
- FIBER CEMENT TRIM
- EXPOSED RAFTER TAILS
- BRACKETS
- FIBER CEMENT
- STAGGER LAP SIDING
- VINYL RAILING
- HARDIE BOARD
- WITH DRIP EDGE
- BRICK PIERS

FRONT CLUB ELEVATION

SIDE CLUB ELEVATION



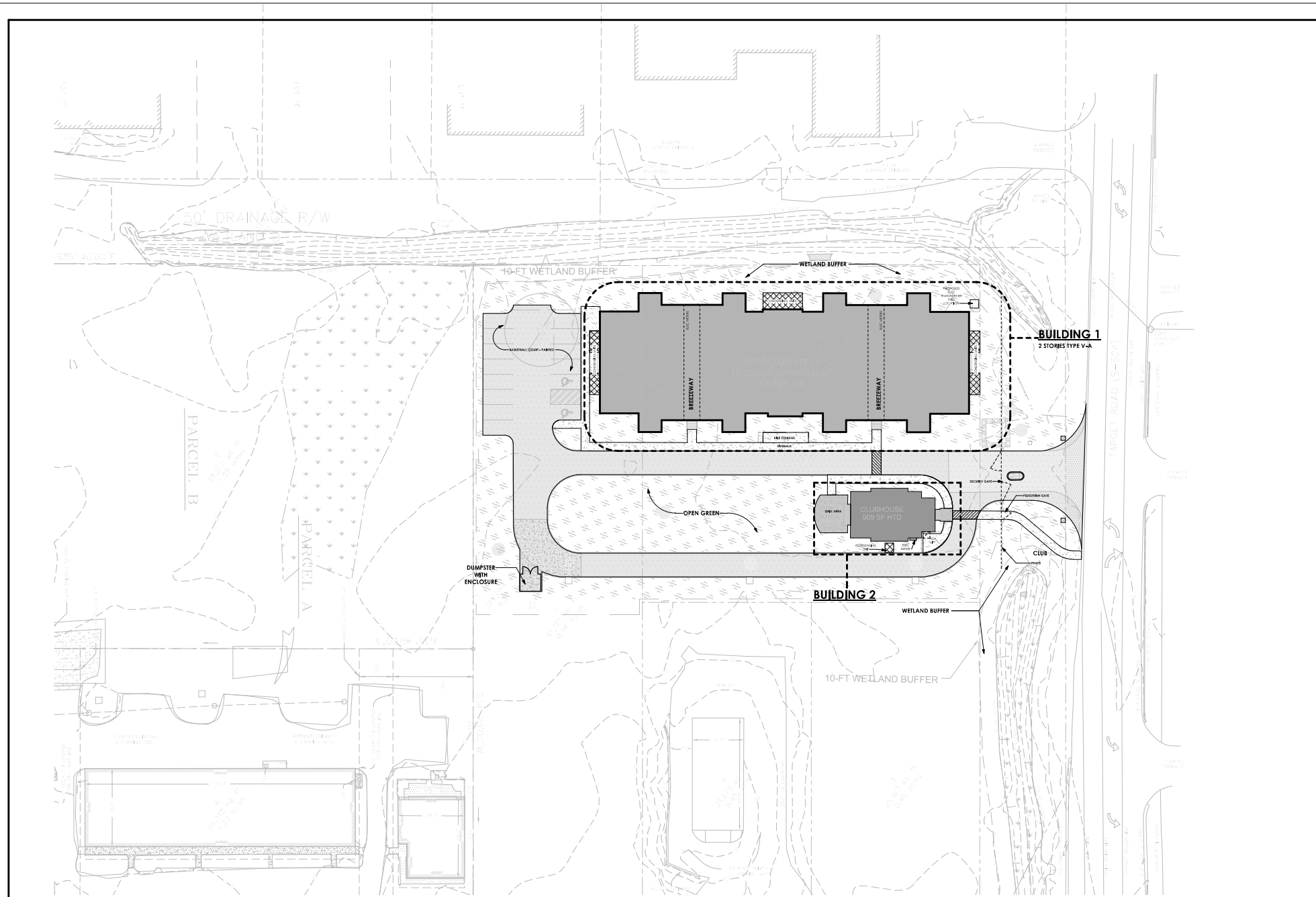
CLUB FLOORPLAN



SEA PINES RESORT - PALMETTO BAY  
 HILTON HEAD ISLAND, SC

COLORED ELEVATIONS 3  
 CONCEPTUAL DRB SUBMITTAL  
 14 APRIL 2020





**SEA PINES - PALMETTO BAY ROAD  
WORKFORCE HOUSING**

HILTON HEAD ISLAND, SC

**HOUSING  
STUDIO**  
333 West Fourth Street, Suite 300  
Charleston, SC 29401  
T: 704.333.7642 F: 704.237.2642



**VOLUME 1: CIVIL - LANDSCAPE -  
ARCHITECTURE - INTERIORS**

PROJECT NUMBER: 1920  
ISSUE DATE: APRIL 22, 2020  
ISSUED FOR: DD DRAWING SET



ARCHITECTURAL SITE  
PLAN

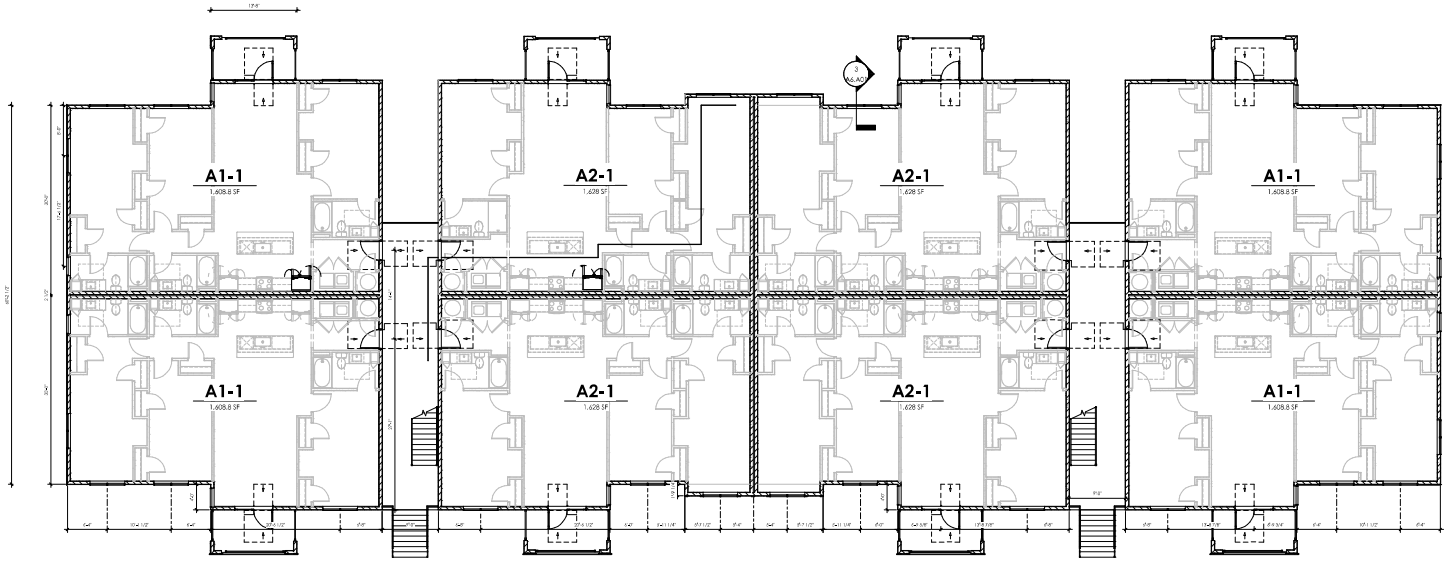


**A0.02**



**GENERAL NOTES - ENLARGED BUILDING PLANS**

- REFER TO ALL GENERAL NOTES AND SPECIFICATIONS.
- ALL EXTERIOR WALLS ON ALL FLOORS ARE 20A WOOD STUDS, MATCHED TO BE OPEN END BRICKWORK OF EXISTING.
- ALL EXTERIOR WALLS ARE TO BE FINISHED WITH 5/8" THICK LAYER OF GYPSUM BOARD ON INSULATION AND EXTERIOR FINISH TO BE DETERMINED BY THE OWNER.
- ALL INTERIOR WALLS ARE TO BE FINISHED WITH 5/8" THICK LAYER OF GYPSUM BOARD ON INSULATION AND INTERIOR FINISH TO BE DETERMINED BY THE OWNER.
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BLDG 1 - OVERALL FIRST FLOOR PLAN  
1/8" = 1'-0"

**SEA PINES - PALMETTO BAY ROAD  
WORKFORCE HOUSING**

HILTON HEAD ISLAND, SC

**HOUSING STUDIO**  
BSI  
333 West York Street, Suite 300  
Charleston, SC 29405  
P: 704.333.7642 F: 704.237.3842

**VOLUME 1: CIVIL - LANDSCAPE -  
ARCHITECTURE - INTERIORS**

PROJECT NUMBER: 1920  
ISSUE DATE: APRIL 22, 2020  
ISSUED FOR: DD DRAWING SET



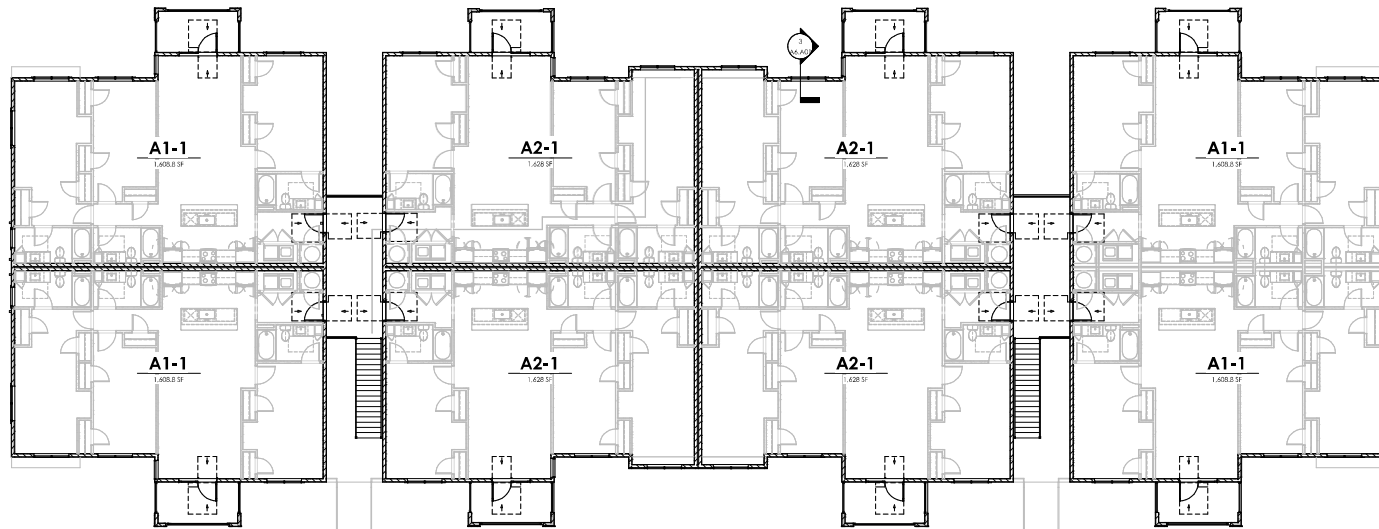
BLDG 1 - OVERALL 1ST  
FLOOR PLAN



**A3.A01**

**GENERAL NOTES - ENLARGED BUILDING PLANS**

- ALL DIMENSIONS SHOWN ARE TO FACE UNLESS NOTED OTHERWISE.
- ALL STRUCTURAL WALLS ON ALL FLOORS ARE TO BE CONCRETE. HANDRAILS TO BE 1 1/4" DIA. STAINLESS STEEL.
- ALL CORNER WALLS ARE TO BE FINISHED WITH 1/2" GYPSUM BOARD OVER 1/2" SHEETROCK. WALL TOPS ARE TO BE FINISHED WITH 1/2" GYPSUM BOARD OVER 1/2" SHEETROCK.
- THE STRUCTURAL FRAMEWORK TO BE EXPOSED IN THE COMMON AREAS IS TO BE CONCRETE. ALL EXPOSED CONCRETE IS TO BE PAINTED OR FINISHED AS NOTED.
- ALL INTERIOR FINISHES TO BE NOTED IN THE SCHEDULES. ALL OTHER FINISHES TO BE AS NOTED.
- ALL INTERIOR FINISHES TO BE NOTED IN THE SCHEDULES. ALL OTHER FINISHES TO BE AS NOTED.
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- ALL INTERIOR FINISHES TO BE NOTED IN THE SCHEDULES. ALL OTHER FINISHES TO BE AS NOTED.



BIDG 1 - OVERALL SECOND FLOOR  
1/8" = 1'-0"

**SEA PINES - PALMETTO BAY ROAD  
WORKFORCE HOUSING**

HILTON HEAD ISLAND .SC

**HOUSING  
STUDIO**  
333 West Fourth Street, Suite 300  
Charleston, SC 29401  
T: 704.333.7842 F: 704.337.8862



**VOLUME 1: CIVIL - LANDSCAPE -  
ARCHITECTURE - INTERIORS**

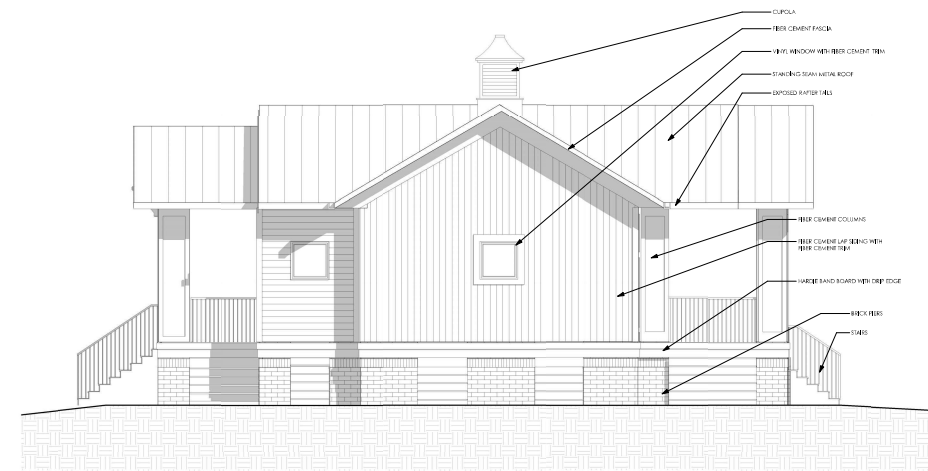
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ISSUE DATE: APRIL 22, 2020  
ISSUED FOR: DD DRAWING SET



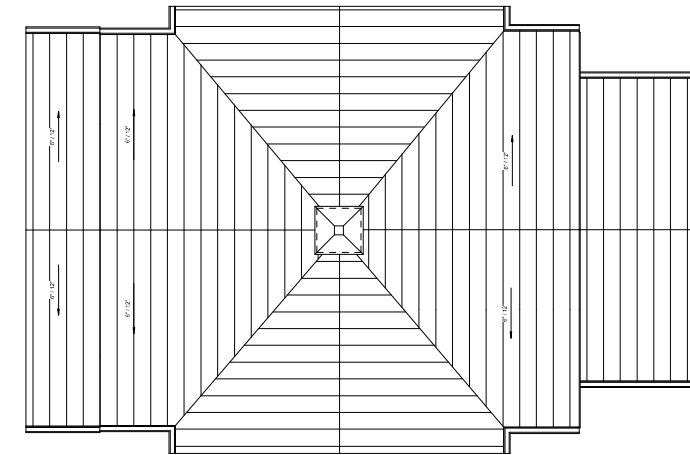
BIDG 1 - OVERALL  
2ND FLOOR PLAN



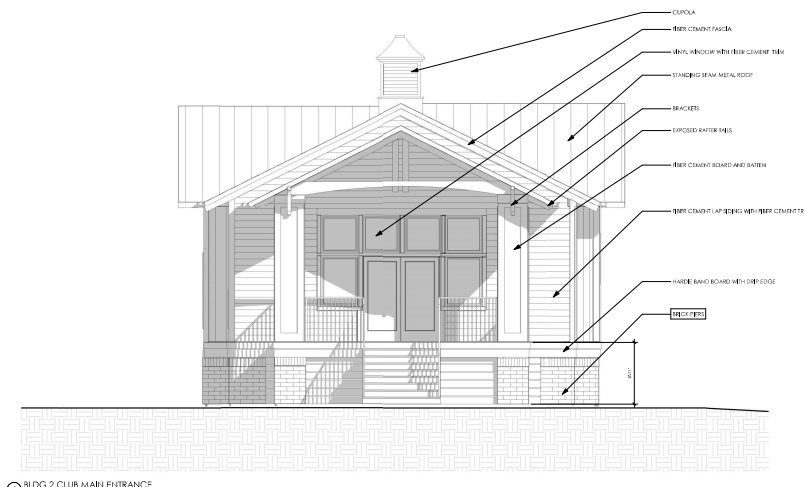
**A3.A02**



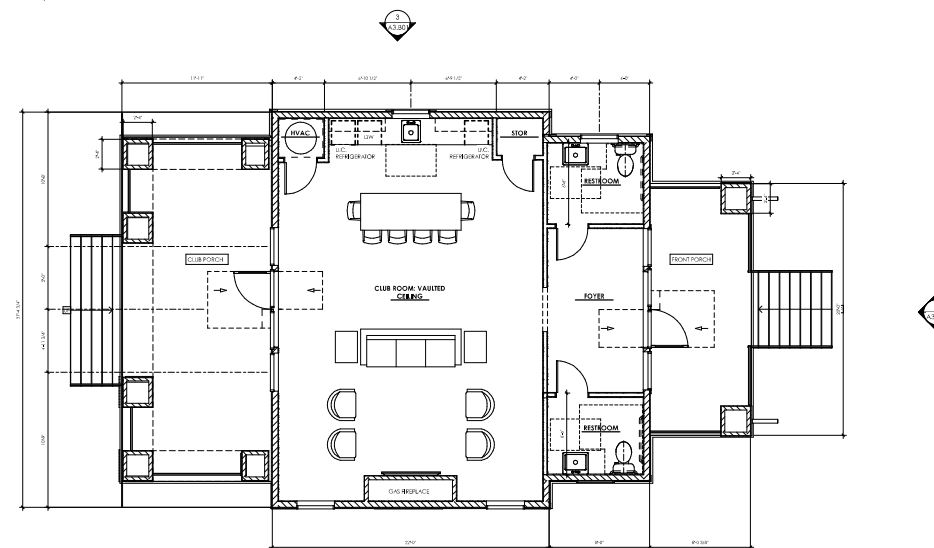
BLDG 2 ELEVATION 2  
1/4" = 1'-0"



BLDG 2 ROOF  
1/4" = 1'-0"



BLDG 2 CLUB MAIN ENTRANCE  
1/4" = 1'-0"



BLDG 2 CLUB FLOOR PLAN  
1/4" = 1'-0"

**SEA PINES - PALMETTO BAY ROAD  
WORKFORCE HOUSING**

HILTON HEAD ISLAND .SC



**VOLUME 1: CIVIL - LANDSCAPE -  
ARCHITECTURE - INTERIORS**

PROJECT NUMBER: 1920  
ISSUE DATE: APRIL 22, 2020  
ISSUED FOR: DD DRAWING SET



BLDG 2 - 1ST FLOOR -  
OVERALL PLAN



**A3.B01**













## DESIGN TEAM/DRB COMMENT SHEET

*The comments below are staff recommendations to the Design Review Board (DRB) and do NOT constitute DRB approval or denial.*

PROJECT NAME: Palmetto Bay Lodges

DRB#: DRB-000901-2020

DATE: May 13, 2020

RECOMMENDATION: Approval  Approval with Conditions  Denial

RECOMMENDED CONDITIONS:

1. Staff does not support the applicants request to combine Final and Conceptual DRB Review.
2. The applicant should reconsider the site plan and provide the DRB with a Site Analysis.

<b><i>APPLICATION MATERIAL</i></b>				
<b>DRB REQUIREMENTS</b>	<b>Complies Yes</b>	<b>No</b>	<b>Not Applicable</b>	<b>Comments or Conditions</b>
Dimensioned Details and of Sections	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Insufficient elevation information provided. The maximum building height allowed in the SPC District is 45 ft. The flood zone for this site is A-7, which requires a 15' FFE. Per LMO Section 16- 5- 112.C, sites shall not be elevated with fill material to an average height greater than three feet above existing grade. The fill material must be retained under the footprint of the structure. Since the average grade is 8 to 10 feet, you will need to demonstrate how the flood elevation (A7, 14) will be met while meeting the 3-foot fill limit in the DPR submittal. Depending on this is addressed, it will impact the design of the buildings.

<b>ARCHITECTURAL DESIGN</b>				
<b>DESIGN GUIDE/LMO CRITERIA</b>	<b>Complies Yes</b>	<b>No</b>	<b>Not Applicable</b>	<b>Comments or Conditions</b>
Promotes pedestrian scale and circulation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pedestrian circulation could be improved: <ol style="list-style-type: none"> <li>1. Locate the pedestrian path on the building side of the entrance.</li> <li>2. Do not dump pedestrian onto Target Road. Extend the pedestrian path to the Palmetto Bay Road pathway.</li> <li>3. Add a pedestrian path across the entrance drive.</li> <li>4. Eliminate the one-way drive isle for a two way drive isle adjacent to the southwest property line and swap the locations of the building and lawn so pedestrian do not cross a drive isle to get to the lawn from the apartments.</li> <li>5. Internal pedestrian paths should connect to the dumpster.</li> <li>6. Shift the bike racks closer to the main building accesses.</li> <li>7. How is ADA access to the apartment building provided? This affects the site design.</li> </ol>
Design is unobtrusive and set into the natural environment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This site is currently cleared of most vegetation. Impacts to the existing vegetation/trees on the site and along the drainage easement/buffer areas should be avoided. Effort should be made to preserve the existing pine tree cluster on the southwest property line. It appears at least one of these pines is a significant tree.
Utilizes natural materials and colors	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The proposed color scheme reads as black and white, which is high contrast and is not in keeping with the recommendations of the Town's Design Guide. Colors should be more nature blending with lower contrast.
Has a strong roof form with enough variety to provide visual interest	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The largest single roof section in the middle of the residential building should be broken up. It appears that metal roofing has been added to match the clubhouse in the rendering, but there is no indication of a metal roof material in the color board. Please

				submit a roof plan.
Overhangs are sufficient for the façade height.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gutters are not indicated on the elevations or details. How does not having gutters affect walks immediately adjacent to the apartments and clubhouse?
Incorporates wood or wood simulating materials	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fiber cement board siding, panels and trim should have a woodgrain texture rather than smooth.
Decorative lighting is limited and low wattage and adds to the visual character	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Provide lighting plans for the building and the site. The only lighting information included was the proposed location for site lighting/poles.
Accessory elements are design to coordinate with the primary structure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Details not provided for doors, windows, railings, stairs, brick bollards by entrance, bike racks ADA lift or grill area design. Fence and gate designs seem foreign to each other. Fence and gate colors should coordinate with approved building colors and materials.

<b>LANDSCAPE DESIGN</b>				
<b>DESIGN GUIDE/LMO CRITERIA</b>	<b>Complies Yes</b>	<b>No</b>	<b>Not Applicable</b>	<b>Comments or Conditions</b>
Treats the Landscape as a major element of the project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Survey does not meet requirements for date/tree information thus limiting this review. Landscape plan does not include ADA lift at clubhouse.
Preserves a variety of existing native trees and shrubs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Updated survey/tree information needed for this review.
Location of existing trees and new trees provides street buffers, mitigation for parking lots, and an architectural complement that visually mitigates between parking lots and building(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Updated survey/tree information needed for this review.
A variety of sizes is selected to create a “layered” appearance for visual interest and a sense of depth	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The plantings proposed around the building should be native and placed in a more natural form, rather than straight rows of an individual species. Replace lawn adjacent to buildings with evergreen groundcover.
The location of existing mature trees is taken into account in placement of shrubs so as not to damage tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Updated survey/tree information needed for this review.
Large grassed lawn areas encompassing a major portion of the site are avoided	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Limited lawn areas may be appropriate for the desired common space, but should not be used for buffer areas and should be fit into a more natural design with additional plants surrounding the perimeter.

Ornamentals and Annuals are limited to entrances and other focal points	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No landscape plan for entry island.
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***NATURAL RESOURCE PROTECTION***

<b>DESIGN GUIDE/LMO CRITERIA</b>	<b>Complies Yes</b>	<b>No</b>	<b>Not Applicable</b>	<b>Comments or Conditions</b>
An effort has been made to preserve existing trees and under story plants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Updated survey/tree information needed for this review.
Supplemental and replacement trees meet LMO requirements for size, species and number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Updated survey/tree information needed for this review.
Wetlands if present are avoided and the required buffers are maintained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Updated survey/tree information needed for this review.

***MISC COMMENTS/QUESTIONS***

<p>Properties must be combined for proposed concept.</p> <p>Buffers are not shown on the plans. No buffer shown along rear of parking area/property.</p> <ul style="list-style-type: none"> <li>- Adjacent street buffer type A required from Target Road</li> <li>- Adjacent use buffer type B required from 16 Palmetto Bay Road</li> <li>- Adjacent use buffer type B required from R552 015 000 0100 0000</li> <li>- Adjacent use buffer type B required from 24 Palmetto Bay Road</li> <li>- Adjacent use buffer type B required from R552 015 000 0015 0000</li> <li>- Adjacent use buffer type B required from R552 015000 0416 0000</li> <li>- Adjacent use buffer type B required from 120 - 124 Arrow Road</li> </ul> <p>Setbacks are not shown on the plans. It appears the setbacks provided may not be adequate. Setbacks are as follows</p> <ul style="list-style-type: none"> <li>- 20' adjacent street setback from Target Road</li> <li>- 25' adjacent use setback from 16 Palmetto Bay Road</li> <li>- 25' adjacent use setback from R552 015 000 0100 0000</li> <li>- 25' adjacent use setback from 24 Palmetto Bay Road</li> <li>- 25' adjacent use setback from R552 015 000 0015 0000</li> <li>- 25' adjacent use setback from 120-124 Arrow Road</li> <li>- 25' adjacent use setback from R552 015 000 0416 0000</li> </ul> <p>Wetland buffer is incorrect. Should be 20' with additional 5' for structures. Wetland Buffers Standards Sec. 16 6 102.D - Ensure that the buffers associated with Tidal and Freshwater Wetlands meet the requirements indicated in this section as they relate to the Type of Development (single family including accessory structures, pervious and impervious surfaces, Multi family or Non residential Development including Pervious Paved Surfaces, Structures, and Impervious Surfaces, and Lagoons and Stormwater Retention or Detention Areas). See Table 16 6 102.D.2 "Wetland Buffer Width 1, 2, 3." Note the additional 5' offset from the wetland buffer for buildings, surface parking lots, and vehicular access ways.</p> <p>Note that the following development activities are prohibited in Wetland Buffers:</p> <ul style="list-style-type: none"> <li>- Removal, excavation, or disturbance of the soil, except for minimal disturbance associated with the installion of trees and plants as approved by the official where a wetland buffer is re-established.</li> </ul>
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<ul style="list-style-type: none"> <li>- dumping or filling with any materials</li> <li>- placement of any sod or garden of any type</li> <li>- placement of structures or other pervious or impervious surfaces</li> <li>- removal or destruction of trees, plants, grasses, or vines.</li> </ul>
Showing grading and lawn areas in buffers.
Limits of disturbance does not include stormwater areas and potential tree impacts in drainage easement.
Minimum of 24' drive isle behind 90 degree parking spaces.
Fire Department access roads are required to be at least 20 feet wide – where one-way traffic occurs 14 feet minimum clearance is required each way.
Gate location needs additional review.
The number of parking spaces is insufficient. 32 spaces required for 16 – 3 BR Units.
The maximum impervious area allowed is 60%. Provide a calculation demonstrating the proposed improvements will not increase the impervious area over the maximum allowed.
Tree survey it too old.
Applicant should provide a density calculation showing what is permitted vs what they are proposing to demonstrate they aren't exceeding what is allowed in the SPC zoning district. Density is calculated by total acreage minus tidal wetlands.



Town of Hilton Head Island  
 Community Development Department  
 One Town Center Court  
 Hilton Head Island, SC 29928  
 Phone: 843-341-4757 Fax: 843-842-8908  
[www.hiltonheadislandsc.gov](http://www.hiltonheadislandsc.gov)

<b>FOR OFFICIAL USE ONLY</b>	
Date Received:	_____
Accepted by:	_____
DRB #:	_____
Meeting Date:	_____

Applicant/Agent Name: Anne Cyran Company: Town of Hilton Head Island  
 Mailing Address: One Town Center Court City: Hilton Head Island State: SC Zip: 29928  
 Telephone: 843-341-4697 Fax: \_\_\_\_\_ E-mail: annec@hiltonheadislandsc.gov  
 Project Name: Cordillo Tennis Courts Project Address: 104 Cordillo Parkway  
 Parcel Number [PIN]: R 552 015 000 0204 0000  
 Zoning District: PR Overlay District(s): COR

**CORRIDOR REVIEW, MAJOR  
 DESIGN REVIEW BOARD (DRB) SUBMITTAL REQUIREMENTS**

**Digital Submissions may be accepted via e-mail by calling 843-341-4757.**

Project Category:  
 Concept Approval – Proposed Development  Alteration/Addition  
 Final Approval – Proposed Development  Sign

Submittal Requirements for *All* projects:

N/A Private Architectural Review Board (ARB) Notice of Action (if applicable): When a project is within the jurisdiction of an ARB, the applicant shall submit such ARB’s written notice of action per LMO Section 16-2-103.I.4.b.iii.01. Submitting an application to the ARB to meet this requirement is the responsibility of the applicant.

N/A Filing Fee: Concept Approval-Proposed Development \$175, Final Approval – Proposed Development \$175, Alterations/Additions \$100, Signs \$25; cash or check made payable to the Town of Hilton Head Island.

Additional Submittal Requirements:  
**Concept Approval – Proposed Development**

A survey (1"=30' minimum scale) of property lines, existing topography and the location of trees meeting the tree protection regulations of Sec. 16-6-104.C.2, and if applicable, location of bordering streets, marshes and beaches.

A site analysis study to include specimen trees, access, significant topography, wetlands, buffers, setbacks, views, orientation and other site features that may influence design.

A draft written narrative describing the design intent of the project, its goals and objectives and how it reflects the site analysis results.

Context photographs of neighboring uses and architectural styles.

Conceptual site plan (to scale) showing proposed location of new structures, parking areas and landscaping.

Conceptual sketches of primary exterior elevations showing architectural character of the proposed development, materials, colors, shadow lines and landscaping.

Additional Submittal Requirements:

**Final Approval – Proposed Development**

- \_\_\_\_\_ A final written narrative describing how the project conforms with the conceptual approval and design review guidelines of Sec. 16-3-106.F.3.
- \_\_\_\_\_ Final site development plan meeting the requirements of Appendix D: D-6.F.
- \_\_\_\_\_ Final site lighting and landscaping plans meeting the requirements of Appendix D: D-6.H and D-6.I.
- \_\_\_\_\_ Final floor plans and elevation drawings (1/8"=1'-0" minimum scale) showing exterior building materials and colors with architectural sections and details to adequately describe the project.
- \_\_\_\_\_ A color board (11"x17" maximum) containing actual color samples of all exterior finishes, keyed to the elevations, and indicating the manufacturer's name and color designation.
- \_\_\_\_\_ Any additional information requested by the Design Review Board at the time of concept approval, such as scale model or color renderings, that the Board finds necessary in order to act on a final application.

Additional Submittal Requirements:

**Alterations/Additions**

- \_\_\_\_\_ All of the materials required for final approval of proposed development as listed above, plus the following additional materials.
- \_\_\_\_\_ A survey (1"=30' minimum scale) of property lines, existing topography and the location of trees meeting the tree protection regulations of Sec. 16-6-104.C.2, and if applicable, location of bordering streets, marshes and beaches.
- \_\_\_\_\_ Photographs of existing structure.

Additional Submittal Requirements:

**Signs**

- \_\_\_\_\_ Accurate color rendering of sign showing dimensions, type of lettering, materials and actual color samples.
- For freestanding signs:
- \_\_\_\_\_ Site plan (1"=30' minimum scale) showing location of sign in relation to buildings, parking, existing signs, and property lines.
  - \_\_\_\_\_ Proposed landscaping plan.
- For wall signs:
- \_\_\_\_\_ Photograph or drawing of the building depicting the proposed location of the sign.
  - \_\_\_\_\_ Location, fixture type, and wattage of any proposed lighting.

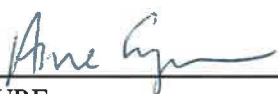
Note: All application items must be received by the deadline date in order to be reviewed by the DRB per LMO Appendix D: D-23.

*A representative for each agenda item is strongly encouraged to attend the meeting.*

**Are there recorded private covenants and/or restrictions that are contrary to, conflict with, or prohibit the proposed request? If yes, a copy of the private covenants and/or restrictions must be submitted with this application.  YES  NO**

To the best of my knowledge, the information on this application and all additional documentation is true, factual, and complete. I hereby agree to abide by all conditions of any approvals granted by the Town of Hilton Head Island. I understand that such conditions shall apply to the subject property only and are a right or obligation transferable by sale.

I further understand that in the event of a State of Emergency due to a Disaster, the review and approval times set forth in the Land Management Ordinance may be suspended.

  
\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
May 12, 2020  
DATE

## Cordillo Courts Park

### Project Narrative

The Town of Hilton Head Island recently resurfaced the tennis courts at Cordillo Courts Park. Phase 2 of this upgrade to the existing facilities is the construction of a restroom, shelter and storage building to facilitate organized activities at this park.











**NOT FOR  
CONSTRUCTION**

Docu

FOR CONSTRUCTION



**Town of HHI IDC -  
Cordillo Courts Phase II  
Toilet Facility**

Town of Hilton Head Island  
#104 Cordillo Parkway  
Hilton Head Island, South Carolina

MARK	DATE (YYYY-MM-DD)	DESCRIPTION
	03/19/2020	Owner Review

FWA PROJECT NO: 2509.08  
SCO PROJECT NO:

DRAWN BY: Author  
APPROVED BY: Approver

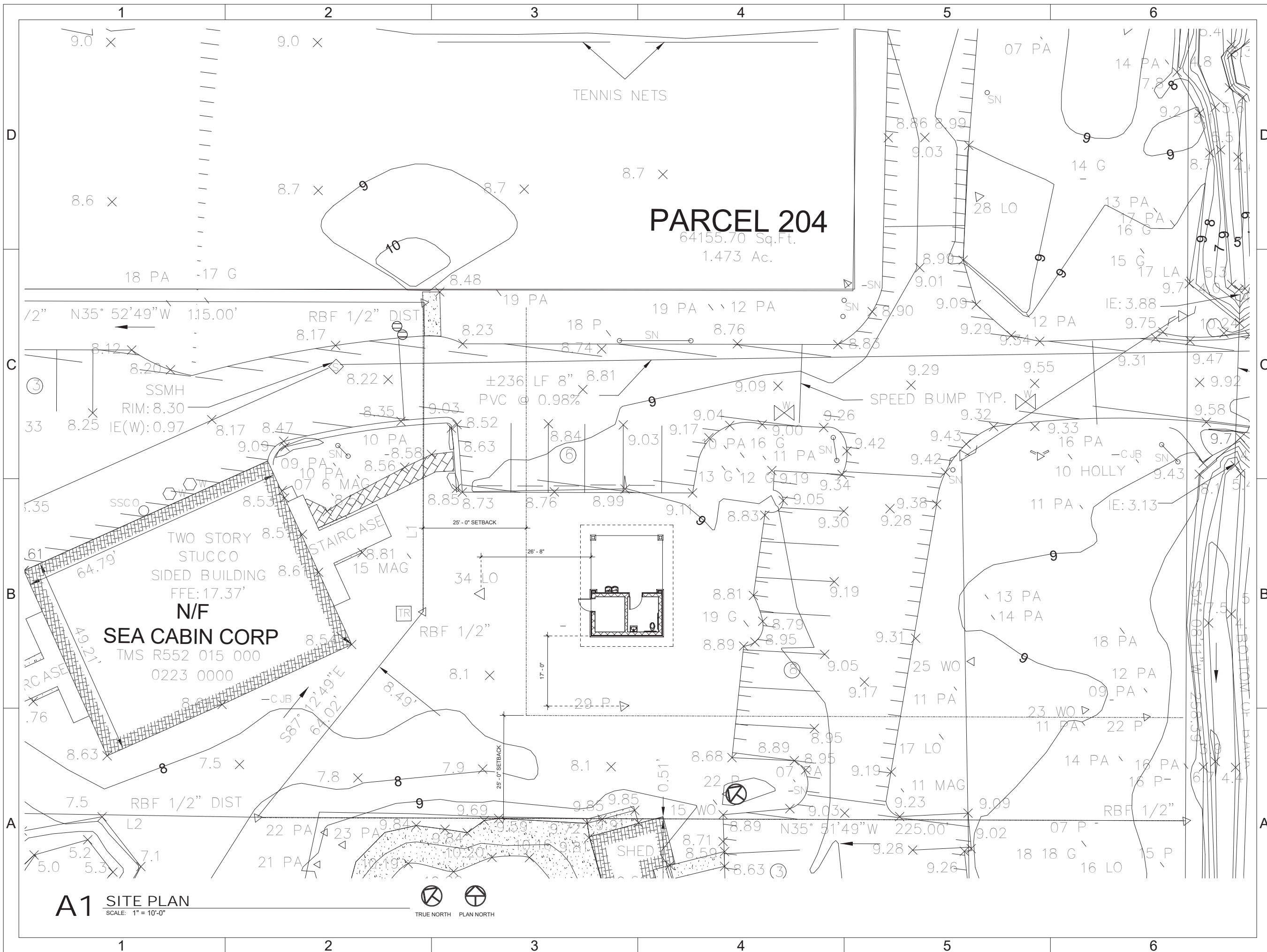
THESE DRAWINGS AND THE PROJECT MANUAL  
ARE INSTRUMENTS OF SERVICE AND REMAIN  
THE PROPERTY OF THE FWA GROUP  
ARCHITECTS. UNAUTHORIZED DUPLICATION OR  
REUSE WITHOUT WRITTEN CONSENT IS  
PROHIBITED.

SHEET TITLE

**SITE PLAN**

SHEET NUMBER

**AS-101**



**A1 SITE PLAN**  
SCALE: 1" = 10'-0"



NOT FOR CONSTRUCTION

FOR CONSTRUCTION



Town of HHI IDC -  
Cordillo Courts Phase II  
Toilet Facility

Town of Hilton Head Island  
#104 Cordillo Parkway  
Hilton Head Island, South Carolina

MARK	DATE (YYYY-MM-DD)	DESCRIPTION

FWA PROJECT NO: 2509.08  
SCO PROJECT NO:

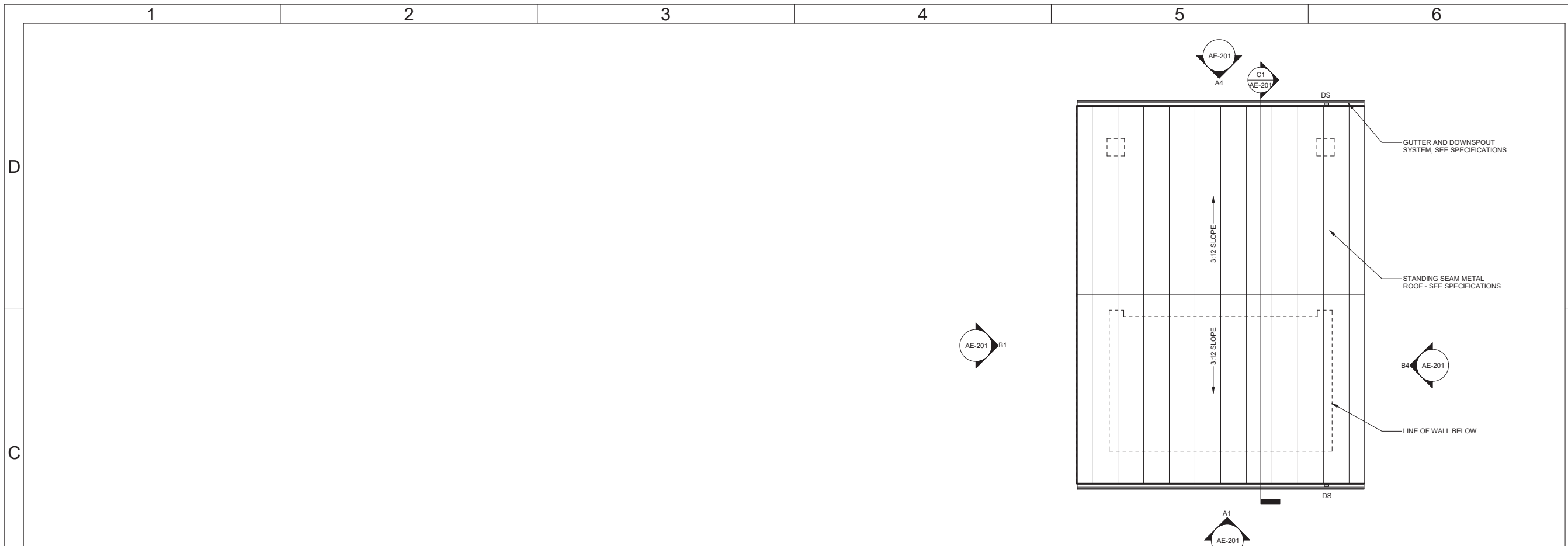
DRAWN BY: Author  
APPROVED BY: Approver

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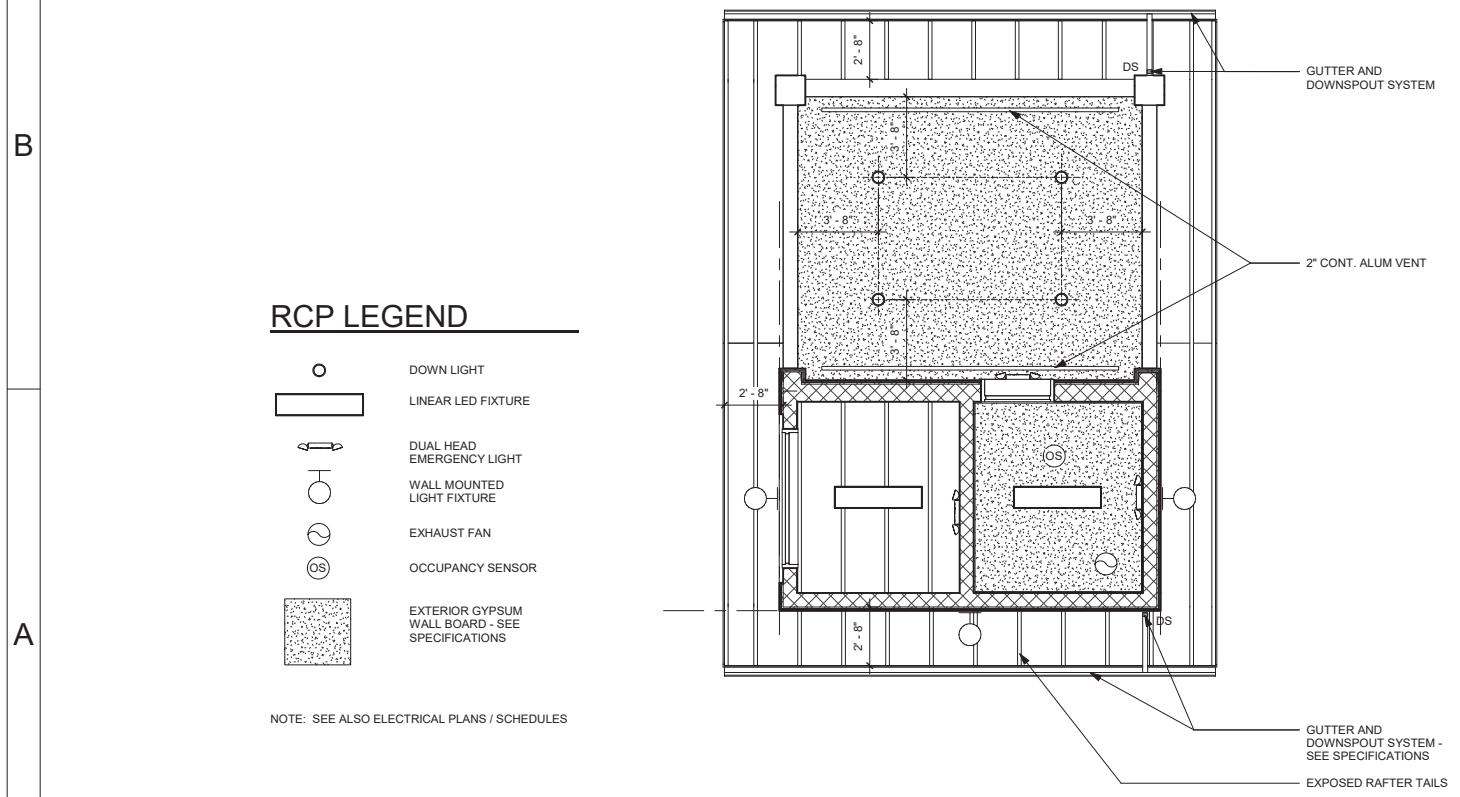
SHEET TITLE  
**PLANS**

SHEET NUMBER

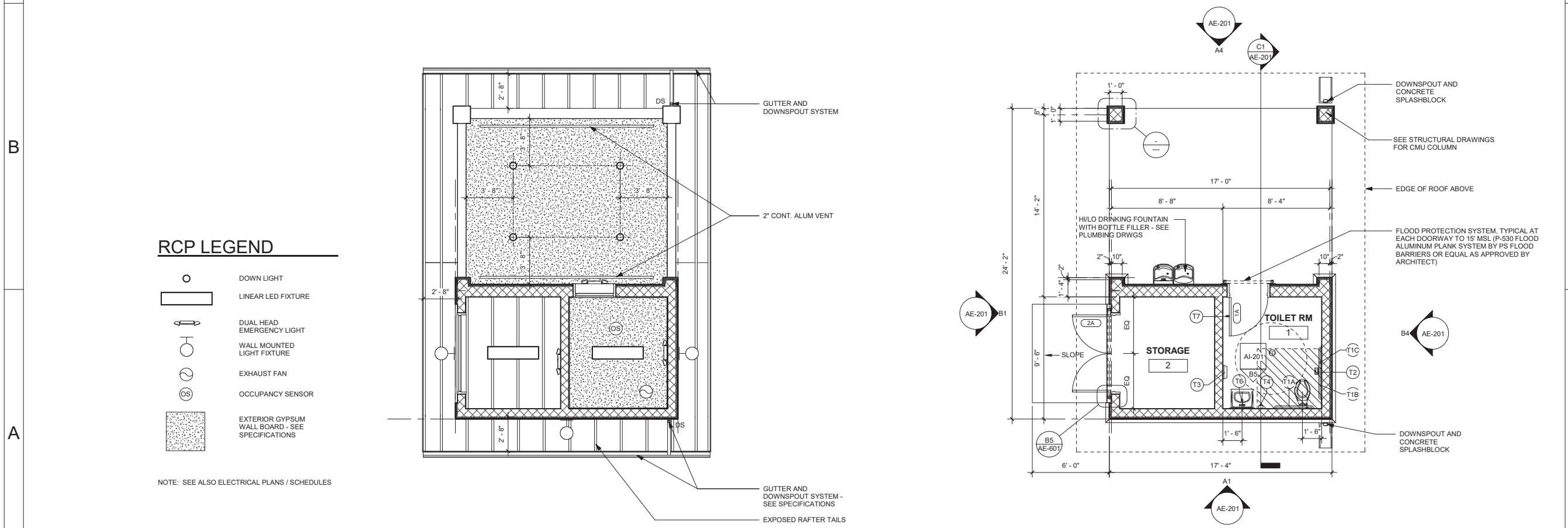
**AE-101**



**C4** ROOF PLAN  
SCALE: 1/4" = 1'-0"



**A2** REFLECTED CEILING PLAN  
SCALE: 1/4" = 1'-0"



**A4** FLOOR PLAN  
SCALE: 1/4" = 1'-0"

**RCP LEGEND**

- DOWN LIGHT
- LINEAR LED FIXTURE
- DUAL HEAD EMERGENCY LIGHT
- WALL MOUNTED LIGHT FIXTURE
- EXHAUST FAN
- OCCUPANCY SENSOR
- EXTERIOR GYPSUM WALL BOARD - SEE SPECIFICATIONS

NOTE: SEE ALSO ELECTRICAL PLANS / SCHEDULES

NOT FOR  
CONSTRUCTION

FOR CONSTRUCTION



Town of HHI IDC -  
Cordillo Courts Phase II  
Toilet Facility

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#104 Cordillo Parkway  
Hilton Head Island, South Carolina

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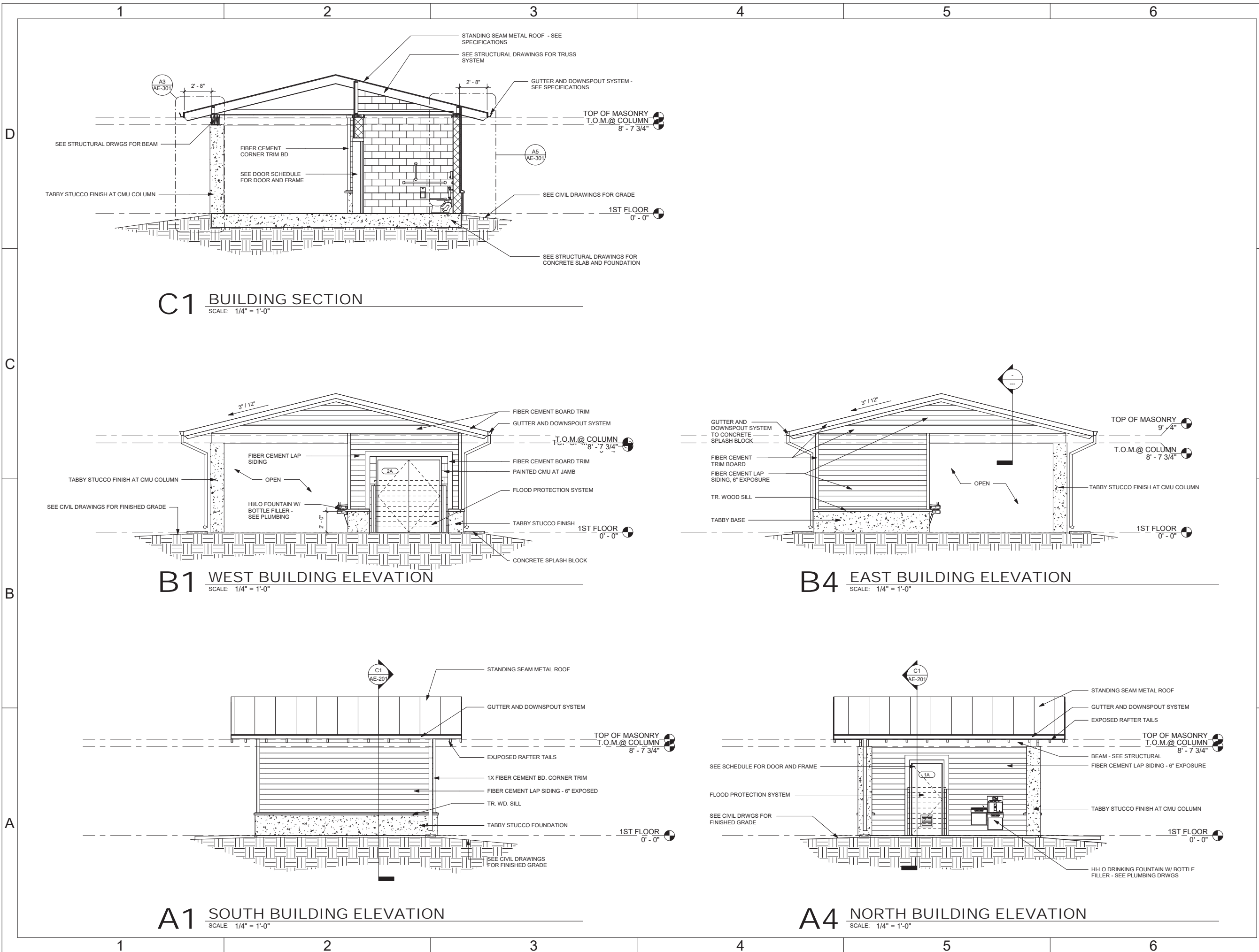
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SHEET TITLE

**BUILDING  
ELEVATIONS &  
SECTIONS**

SHEET NUMBER

**AE-201**



**C1 BUILDING SECTION**  
SCALE: 1/4" = 1'-0"

**B1 WEST BUILDING ELEVATION**  
SCALE: 1/4" = 1'-0"

**B4 EAST BUILDING ELEVATION**  
SCALE: 1/4" = 1'-0"

**A1 SOUTH BUILDING ELEVATION**  
SCALE: 1/4" = 1'-0"

**A4 NORTH BUILDING ELEVATION**  
SCALE: 1/4" = 1'-0"

## DESIGN TEAM/DRB COMMENT SHEET

*The comments below are staff recommendations to the Design Review Board (DRB)  
and do NOT constitute DRB approval or denial.*

PROJECT NAME: Cordillo Tennis Courts

DRB#: DRB-000991-2020

DATE: 05/19/2020

RECOMMENDATION: Approval  Approval with Conditions  Denial

RECOMMENDED CONDITIONS: Approval with Staff comments.

### ***ARCHITECTURAL DESIGN***

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Utilizes natural materials and colors	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Provide a color board at Final.
Decorative lighting is limited and low wattage and adds to the visual character	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Any planned site lighting / parking lot lighting shall be approved at Final.

### ***LANDSCAPE DESIGN***

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Treats the Landscape as a major element of the project	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Provide a landscape plan at Final.

### ***NATURAL RESOURCE PROTECTION***

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
An effort has been made to preserve existing trees and under story plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Provide a tree protection plan at Final.
Supplemental and replacement trees meet LMO requirements for size, species and number	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Planting plan shall include required tree planting if any.