



# **The Town of Hilton Head Island Regular Design Review Board Meeting**

**Tuesday, May 25th, 2010**

**1:15 p.m. – Benjamin M. Racusin Council Chambers**

## **AGENDA**

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**As a Courtesy to Others Please Turn Off All Cell Phones and Pagers during the Meeting.**

- 1. Call to Order**
- 2. Roll Call**
- 3. Freedom of Information Act Compliance**  
Public notification of this meeting has been published, posted, and mailed in compliance with the Freedom of Information Act and the Town of Hilton Head Island requirements.
- 4. Approval of Agenda**
- 5. Approval of Minutes**  
Regular Design Review Board Meeting of May 11, 2010
- 6. Staff Report**
- 7. Board Business**
- 8. Unfinished Business**
  - a. Sylby Tub Apartments- DR100019**
  - b. Giuseppe's Pizza- DR100020**
  - c. Wise Guys Canopy- DR100024**
- 9. New Business**
  - a. Hilton Head Pizza- FINAL- DR100012**
- 10. Appearance by Citizens**
- 11. Adjournment**

**Please note that a quorum of Town Council may result if four (4) or more of Town Council members attend this meeting.**

**THE TOWN OF HILTON HEAD ISLAND  
REGULAR DESIGN REVIEW BOARD MEETING  
Benjamin M. Racusin Council Chambers**

**DRAFT**

**Date:** Tuesday, May 11, 2010

**Time:** 1:15pm

**Board Members Present:** Chairman Marvin Caretsky, Vice Chairman Tom Parker,  
Jennifer Moffett, Galen Smith, Scott Sodemann and Todd Theodore

**Board Members Absent:** Ted Behling

**Council Members Present:** None

**Present from Town Staff:** Mike Roan, Urban Design Administrator  
Sally Krebs, Natural Resources Division Administrator  
Richard Spruce, Plans Review Administrator  
Kathleen Carlin, Administrative Assistant

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**1) CALL TO ORDER**

Chairman Caretsky called the meeting to order at 1:15pm.

**2) ROLL CALL**

**3) FREEDOM OF INFORMATION ACT COMPLIANCE**

**4) APPROVAL OF THE AGENDA**

The agenda was **approved** as presented by general consent.

**5) APPROVAL OF THE MINUTES**

The minutes of the April 27, 2010 meeting were **approved** as presented by general consent.

**6) STAFF REPORT**

Mr. Roan reported that the Asian Bistro application is withdrawn from today's Unfinished Business. The applicant will make his presentation at a later time. The applicant representing Silby Tub Apartments, however, is present at today's meeting. The applicant would appreciate an opportunity to address the Board if the Chairman agrees. Since this application does not appear on today's agenda, the Board can provide comments but no action can be taken. Chairman Caretsky agreed to allow the applicant for Silby Tub Apartments to address the Board under Unfinished Business.

**7) BOARD BUSINESS**

None

## 8) UNFINISHED BUSINESS

### Silby Tub Apartments

Mr. Roan prefaced the applicant's comments by stating that the Board reviewed this application on April 27, 2010. A decision on the application was tabled at that time due to the Board's concerns with the proposed use of vinyl siding. The use of wood, such as hardi-plank, is preferred to be compliant with the Town's Design Guide. The Board acknowledged the applicant's reasons for wanting to use the vinyl product instead of wood. The reasons are based on cost and maintenance.

Before taking action on this application, the Board requested an opportunity to view one or two neighborhoods that currently use vinyl siding. The Cedar Wells subdivision and Oak View subdivision were suggested. Chairman Caretsky and the other Board members reported that they have completed a site visit to Cedar Wells subdivision and/or Oak View subdivision over the past week to inspect the use of vinyl siding.

As a result of these visits, the Board reported that they would like to see improved installation of the vinyl siding. This is particularly true based upon an inspection of the end elevation of Cedar Wells. The vertical cuts are quite visible at this location. At the completion of these comments, Chairman Caretsky requested that the applicant make his presentation.

Mr. Bill Fishburne, applicant for the project, reviewed several photographs of the Silby Tub Apartments project. Mr. Fishburne reviewed the elevations, the wall installation, the end installation, and the visibility of joints. The applicant and the Board discussed a sample of the vinyl product in a Weathered Wood blend. The applicant also reviewed the color palette including the preferred use of white on the windows and the trim. The white color is preferred by the applicant (over a color in the almond family) based on cost.

The Board discussed the vinyl sample, the color of the roof, and the overall color palette. Use of the vinyl siding in the Weathered Wood blend might be acceptable to the Board for this project only. No precedent is set for the future use of vinyl siding elsewhere. The Board stated that the use of white for the trim and windows for this project might also be acceptable. Again, this allowance would be for this project only. The Board stated that the color of the roof is approved. At the completion of the discussion, Chairman Caretsky stated that the Board cannot take action on this application today. The applicant will return at a later time.

### Wexford Clubhouse - DR090041

Mr. Roan reported that this is an update to a previously approved clubhouse renovation. Since its original review about 18 months ago, the applicant has added three additional items: (1) a replacement of the existing Front Canvas Canopy with a Porte-Cochere of permanent construction; (2) the applicant has changed the front doors to solid wood from the previously approved glass doors; and (3) the applicant has added a roof screen to mask functional roof-top equipment.

The porte-cochere integrates successfully into the existing details of the clubhouse, and it provides a substantial element to the front of the clubhouse. The screen detail picks up on existing elements on the clubhouse as well. All colors and materials match the existing. The landscaping is not impacted, and the Natural Resources Division has no comments. The staff recommends approval. At completion of the staff's presentation, Chairman Caretsky requested that the applicant make his presentation.

Mr. Brandon Cox, with Dan Ogden Architects, presented statements in support of the application. The Board and the applicant discussed the project including the scale of the roof top elements. At the completion of the discussion, Chairman Caretsky requested that a motion be made.

Vice Chairman Parker made a **motion** to **approve** the Wexford Clubhouse application with the caveat that the project is approved and that sensitivity to the scale of the roof top elements be taken into account. Mr. Sodemann **seconded** the motion and the motion **passed** with a vote of 6-0-0.

## 9) **New Business**

### **South Island PSD- New Development - Conceptual Review DR100022**

Mr. Roan introduced the project and stated its location (7 Business Park - corner of Palmetto Bay Road and Genesta Street). The applicant's new headquarters building is one-story (9,500 sq. ft.). The building will be stucco and wood finish with a standing seam metal roof. A water table will be finished at the foundation with brick.

Mr. Roan reviewed the site plan and the elevations. The proposed brick and wood elements provide quality and variety on the human scale. The lot layout goes some way in preserving significant trees. The roof form is appropriate for the building with nicely detailed windows in the front.

Due to the nature of this business, a fleet vehicle parking area is required. The fleet area will be secured with a 7' chain-link fence with native vines. This area will need to be well screened from view. The building location is currently at 7-8 feet MSL and the building will have to be built at 14 feet MSL. Staff will need to know how the fill for this building will be retained so that it does not spill over onto the protected vegetation and/or parking lots.

The site has numerous pond pines, which are specimen size (25" in diameter and over). The applicant will need to identify all of the pines that are 25" in diameter and over and confirm the size and species of trees that are 24" and over. The site is heavily vegetated with native understory vegetation, many species of which are now rare and/or uncommon on the Island. All efforts should be made to maintain as much as possible.

Trees shown to remain in the islands will need more root space than shown. Heavy landscaping in these islands will also destroy root systems on protected trees. This site will require the maximum allowable 3'-0" of retained fill and then some. The impact on the topography should be softened with appropriate understory. At the completion of the staff's presentation, Chairman Caretsky requested that the applicant make his presentation.

Mr. Sam McClesky, McClesky and Associates Architects, presented statements in support of the application. The Board and the applicant discussed several issues including the pitch of the roof. The applicant stated that the roof pitch is 4-1/2:12. At the completion of the discussion, Chairman Caretsky requested that a motion be made.

Vice Chairman Parker made a **motion** to **approve** the South Island PSD, New Development, Conceptual application as submitted with the following comments: (1) the applicant shall verify the roof pitch as discussed; (2) sensitivity shall be given to the grading around the site; (3) comments regarding windows rhythms, roof color and service yard are to be considered as discussed. Mr. Theodore **seconded** the motion and the motion **passed** with a vote of 6-0-0.

### **Drydock Roof- DR100023**

Mr. Roan introduced the project and stated its location (Pope Avenue Executive Park). The applicant is proposing to replace the asphalt shingle roof with a standing seam metal roof in bronze finish. Mr. Roan distributed a color sample of the bronze. The staff recommends approval. The Board discussed the project and agreed with the staff's recommendation to approval. At the completion of the discussion, Chairman Caretsky requested that a motion be made.

Mr. Smith made a **motion** to **approve** the Drydock Roof application as submitted. Vice Chairman Parked **seconded** the motion and the motion **passed** with a vote of 6-0-0.

### **Wise Guys Canopy - DR100024**

Mr. Roan introduced the project and stated its location (1513 Main Street). The applicant is proposing the addition of a burgundy canopy over the existing entrance and outdoor seating area. There is currently a domed awning next to an asphalt gable roof element and a standing seam roof over the bay window element. The addition is intended to consolidate the awning over the front door and the bay window.

The staff believes that, while the proposed hipped canopy does little to unify the two remaining elements, it isn't anymore discordant than the existing (the bay element does seem superfluous underneath the canopy). It is difficult to tell how the canopy relates to the ground plan because no site plan is provided. Encasing the posts might help tie the canopy into the building more. Mr. Roan reviewed a sample of the canopy with the Board. The structure, of galvanized steel, will be attached to the building. Columns and main beams are 4 x 4" tubes welded together.

The staff recommended approval with the condition of a dimensioned site plan and a detailed drawing showing some post treatment. The Natural Resources Division has issued a permit for the removal of a 16" water oak for installation of the canopy. Two water oaks will be planted as replacement. The Main Street Commercial ARB has approved the new awning and the

removal/replacement of trees. At the completion of staff's presentation, Chairman Caretsky requested that the applicant make his presentation.

Mr. Dale Johnson, Architect, presented statements in support of the application. The Board and the applicant discussed the project including the elevations. The Board discussed the need for a more detailed site plan. The Board also agreed that the posts should be encased. At the completion of the discussion, Chairman Caretsky requested that a motion be made.

Mr. Sodemann made a **motion** to **approve** the application with the following conditions: (1) the applicant shall provide a more detailed site plan; (2) the applicant shall move the posts out further on the awning as discussed; (3) the applicant shall encase the posts as discussed. Mr. Theodore **seconded** the motion and the motion **passed** with a vote of 6-0-0.

**10) APPEARANCE BY CITIZENS**

None

**11) ADJOURNMENT**

The meeting was adjourned at 2:50pm.

Submitted By:

Approved By:

\_\_\_\_\_  
Kathleen Carlin  
Administrative Assistant

\_\_\_\_\_  
Marvin Caretsky  
Chairman

## 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

DRB#

DATE

RECOMMEND  APPROVE

RECOMMEND  APPROVE W/COND.

RECOMMEND  DENY

**ARCHITECTURAL DESIGN**  
Applicant is resubmitting color samples that were reviewed favorably at the last meeting. Hard samples will be provided at the meeting

DESIGN GUIDE/LMO CRITERIA	COMPLIES YES/NO/N/A	COMMENTS OR CONDITIONS
Structure is designed to be appropriate to the neighborhood		
Promotes pedestrian scale and circulation		
Design is unobtrusive and set into the natural environment		
Utilizes natural materials and colors		
Avoids distinctive vernacular styles		
Design is appropriate for its use		
All facades are have equal design characteristics		
Avoids monotonous planes or unrelieved repetition		
Has a strong roof form with enough variety to provide visual interest		
Minimum roof pitch of 6/12		
Overhangs are sufficient for the façade height.		
Forms an details are sufficient to reduce the mass of the structure		
Human scale is achieved by the use of proper proportions and architectural elements		
Utilizes a variety of materials, textures and colors		
Incorporates wood or wood simulating materials		
Windows are in proportion to the facade		
Details are clean, simple and appropriate while avoiding excessive ornamentation		
Utilities and equipment are concealed from view		
Decorative lighting is limited and low wattage and adds to the visual character		

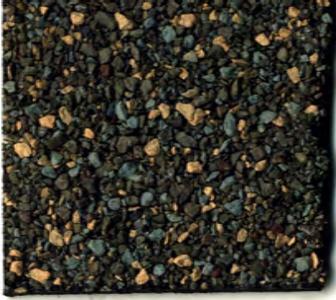
Accessory elements are design to coordinate with the primary structure		
<b>LANDSCAPE DESIGN</b>		
<b>DESIGN GUIDE/LMO CRITERIA</b>	<b>COMPLIES YES/NO/NA</b>	<b>COMMENTS OR CONDITIONS</b>
Treats the Landscape as a major element of the project		
Provides Landscaping of a scope and size that is in proportion to the scale of the development		
Landscape is designed so that it may be maintained in its natural shape and size		
Preserves a variety of existing native trees and shrubs		
Provides for a harmonious setting for the site's structures, parking areas or other construction		
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)		
Shrubs are selected to complement the natural setting, provide visual interest and screen less desirable elements of the project		
A variety of species is selected for texture and color		
Provides overall order and continuity of the Landscape plan		
Native plants or plants that have historically been prevalent on the Island are utilized		
A variety of sizes is selected to create a "layered" appearance for visual interest and a sense of depth		
The location of existing mature trees is taken into account in placement of shrubs so as not to damage tree roots		
Proper spacing and location for plants to reach their mature size and natural shape while avoiding		

excessive or unnatural pruning		
Proposed groundcovers are evergreen species with low maintenance needs		
Large grassed lawn areas encompassing a major portion of the site are avoided		
The adjacent development is taken into account in determining the most appropriate buffer so as not to depart too dramatically from the neighborhood		
Ornamentals and Annuals are limited to entrances and other focal points		

**NATURAL RESOURCES PROTECTION**

DESIGN GUIDE/LMO CRITERIA	COMPLIES YES/NO/NA	COMMENTS OR CONDITIONS
An effort has been made to preserve existing trees and under story plants		NR has no comments.
Supplemental and replacement trees meet LMO requirements for size, species and number		
Wetlands if present are avoided and the required buffers are maintained		
Sand dunes if present are not disturbed		

MISCELLANEOUS COMMENTS/QUESTIONS



**Shingles**  
Certain Teed  
Landmark Series  
Color - Weathered Wood



**Siding**  
KP Building Products Vinyl  
6" Reveal Lap Siding  
Color - Khaki



**Trim/Soffit/Fascia/Windows**  
KP Building Product Vinyl  
Color - Sandtone

# Sylby Tub Color Board

# 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 Giuseppi's Pizza (Shelter Cove) DRB# DR100020

DATE 5/25/2010 RECOMMEND  APPROVE RECOMMEND  APPROVE W/COND. RECOMMEND  DENY

<b>ARCHITECTURAL DESIGN</b>		
<p>The column details appear massive relative to the metal posts. In an effort to align the new columns with those on the building, the panel accents on the building become partially obscured, exaggerating the canopy's lack of integration. The site plan details are still lacking, as are any definitive dimensions to the canopy itself. As presented, Staff would recommend denial. Staff will solicit further information and detail from applicant prior to the meeting.</p>		
DESIGN GUIDE/LMO CRITERIA	COMPLIES YES/NO/N/A	COMMENTS OR CONDITIONS
Structure is designed to be appropriate to the neighborhood		
Promotes pedestrian scale and circulation		
Design is unobtrusive and set into the natural environment		
Utilizes natural materials and colors		
Avoids distinctive vernacular styles		
Design is appropriate for its use		
All facades are have equal design characteristics		
Avoids monotonous planes or unrelieved repetition		
Has a strong roof form with enough variety to provide visual interest		
Minimum roof pitch of 6/12		
Overhangs are sufficient for the façade height.		
Forms an details are sufficient to reduce the mass of the structure		
Human scale is achieved by the use of proper proportions and architectural elements		
Utilizes a variety of materials, textures and colors		
Incorporates wood or wood simulating materials		
Windows are in proportion to the facade		
Details are clean, simple and appropriate while avoiding excessive ornamentation		
Utilities and equipment are		

concealed from view		
Decorative lighting is limited and low wattage and adds to the visual character		
Accessory elements are design to coordinate with the primary structure		

<b>LANDSCAPE DESIGN</b>		
<b>NA</b>		

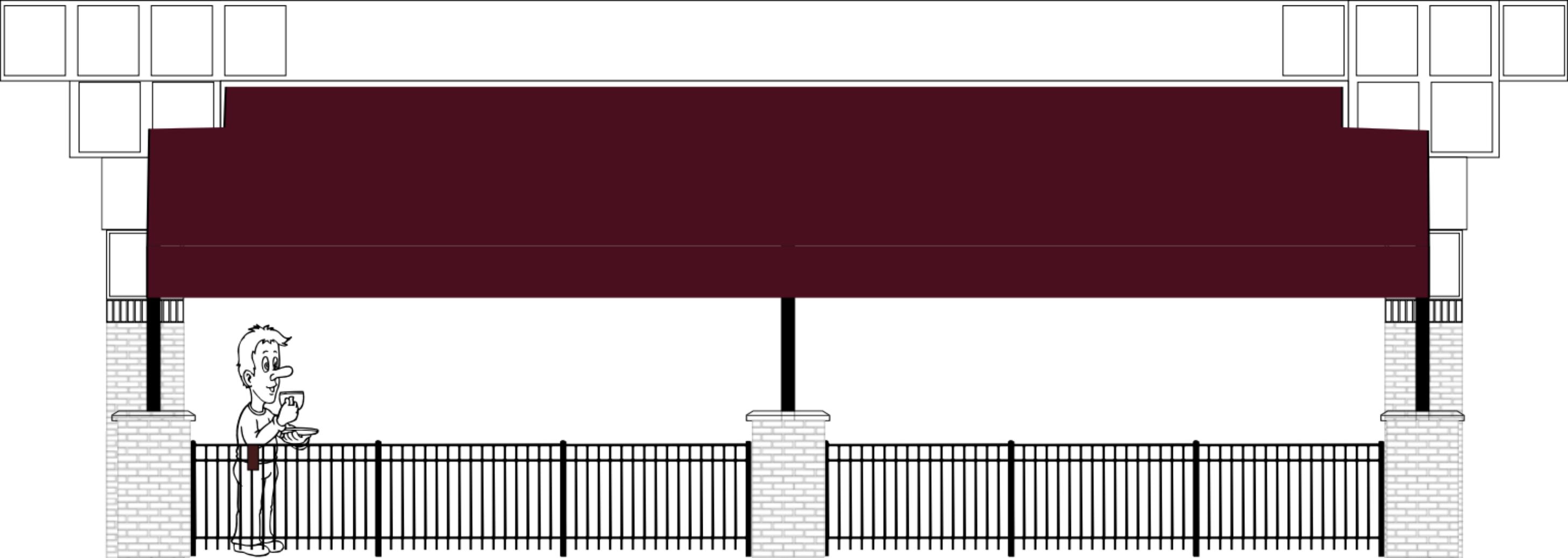
<b>DESIGN GUIDE/LMO CRITERIA</b>	<b>COMPLIES YES/NO/NA</b>	<b>COMMENTS OR CONDITIONS</b>
Treats the Landscape as a major element of the project		
Provides Landscaping of a scope and size that is in proportion to the scale of the development		
Landscape is designed so that it may be maintained in its natural shape and size		
Preserves a variety of existing native trees and shrubs		
Provides for a harmonious setting for the site's structures, parking areas or other construction		
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)		
Shrubs are selected to complement the natural setting, provide visual interest and screen less desirable elements of the project		
A variety of species is selected for texture and color		
Provides overall order and continuity of the Landscape plan		
Native plants or plants that have historically been prevalent on the Island are utilized		
A variety of sizes is selected to create a "layered" appearance for visual interest and a sense of depth		
The location of existing mature trees is taken into account in placement of shrubs so as not to damage		

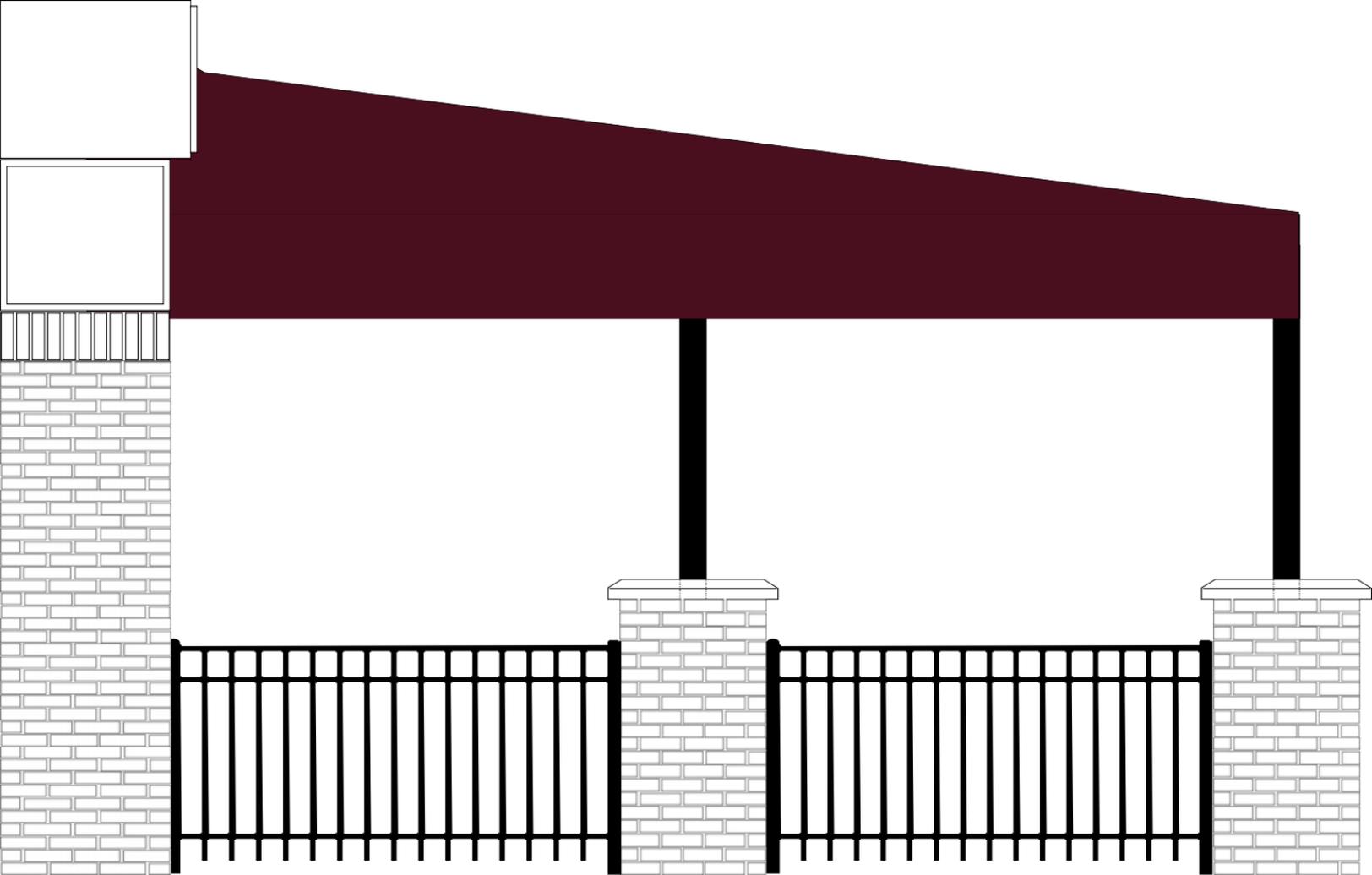
tree roots		
Proper spacing and location for plants to reach their mature size and natural shape while avoiding excessive or unnatural pruning		
Proposed groundcovers are evergreen species with low maintenance needs		
Large grassed lawn areas encompassing a major portion of the site are avoided		
The adjacent development is taken into account in determining the most appropriate buffer so as not to depart too dramatically from the neighborhood		
Ornamentals and Annuals are limited to entrances and other focal points		

**NATURAL RESOURCES PROTECTION**

DESIGN GUIDE/LMO CRITERIA	COMPLIES YES/NO/NA	COMMENTS OR CONDITIONS
An effort has been made to preserve existing trees and under story plants		NR has no comments.
Supplemental and replacement trees meet LMO requirements for size, species and number		
Wetlands if present are avoided and the required buffers are maintained		
Sand dunes if present are not disturbed		

**MISCELLANEOUS COMMENTS/QUESTIONS**



8' - 4x4 Sq. Painted Aluminum Pole

42"

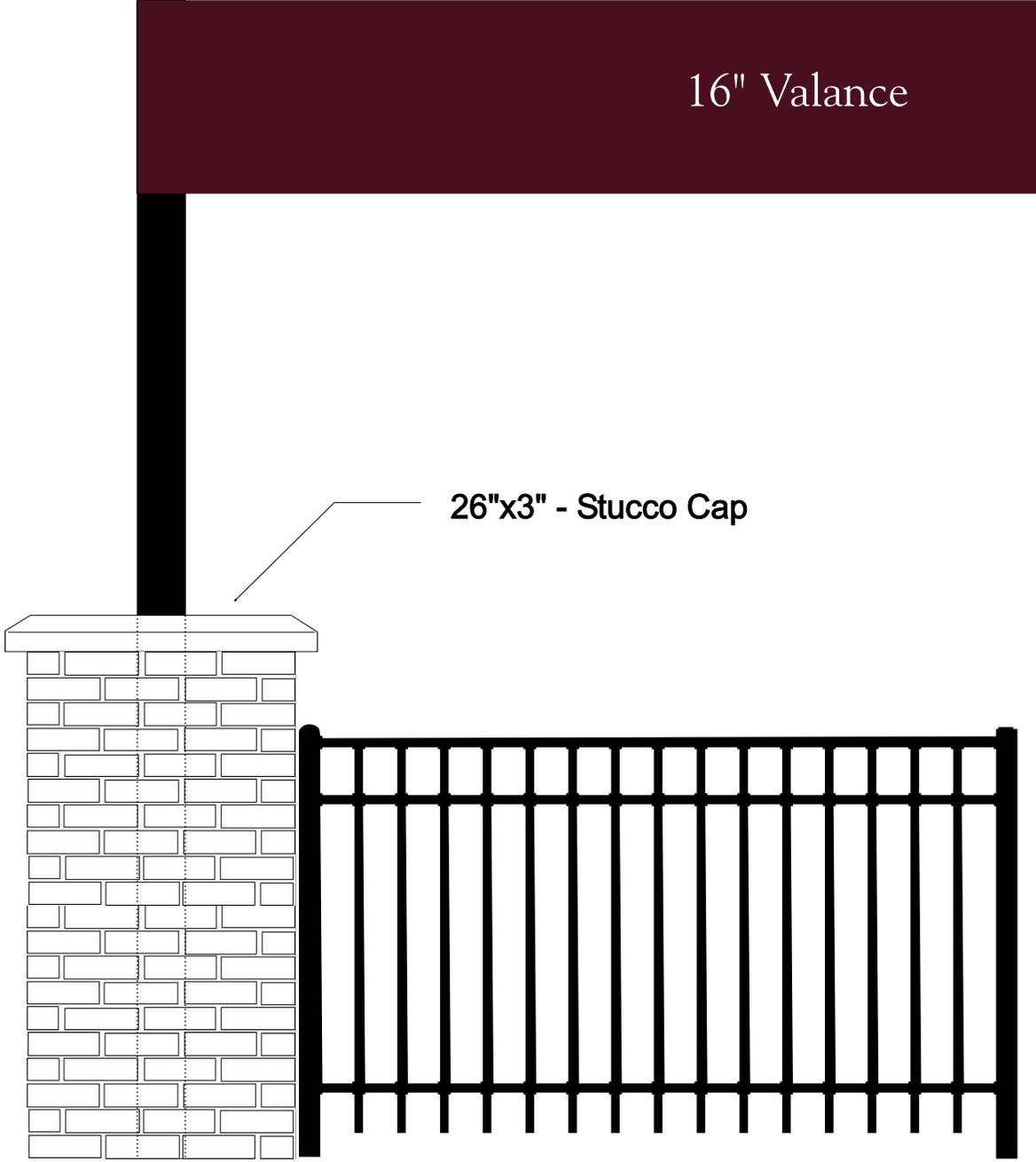
22.5"

16" Valance

26"x3" - Stucco Cap

36" Fence

Brick Column Wrap using match building brick





## 5' Clearance from edge of curb

as shown in photo there is an existing natural curb break at 5'

If requested my customer would be willing to place parking stops 10" from the curb, along the spot in front of the patio, adding an additional 16" of clearance.



# 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 Wise Guys Canopy DRB# DR100024

DATE 5/25/2010 RECOMMEND  APPROVE RECOMMEND  APPROVE W/COND. RECOMMEND  DENY

<b>ARCHITECTURAL DESIGN</b>		
Applicant has moved the posts further out on the canopy, as requested by the Board, but the proposed encasement of the post should be fleshed out and utilize some more detail. Staff would recommend approval with a further developed encasement detail.		
DESIGN GUIDE/LMO CRITERIA	COMPLIES YES/NO/N/A	COMMENTS OR CONDITIONS
Structure is designed to be appropriate to the neighborhood		
Promotes pedestrian scale and circulation		
Design is unobtrusive and set into the natural environment		
Utilizes natural materials and colors		
Avoids distinctive vernacular styles		
Design is appropriate for its use		
All facades are have equal design characteristics		
Avoids monotonous planes or unrelieved repetition		
Has a strong roof form with enough variety to provide visual interest		
Minimum roof pitch of 6/12		
Overhangs are sufficient for the façade height.		
Forms an details are sufficient to reduce the mass of the structure		
Human scale is achieved by the use of proper proportions and architectural elements		
Utilizes a variety of materials, textures and colors		
Incorporates wood or wood simulating materials		
Windows are in proportion to the facade		
Details are clean, simple and appropriate while avoiding excessive ornamentation		
Utilities and equipment are concealed from view		
Decorative lighting is limited		

and low wattage and adds to the visual character		
Accessory elements are design to coordinate with the primary structure		

<b>LANDSCAPE DESIGN</b>		
<b>NA</b>		

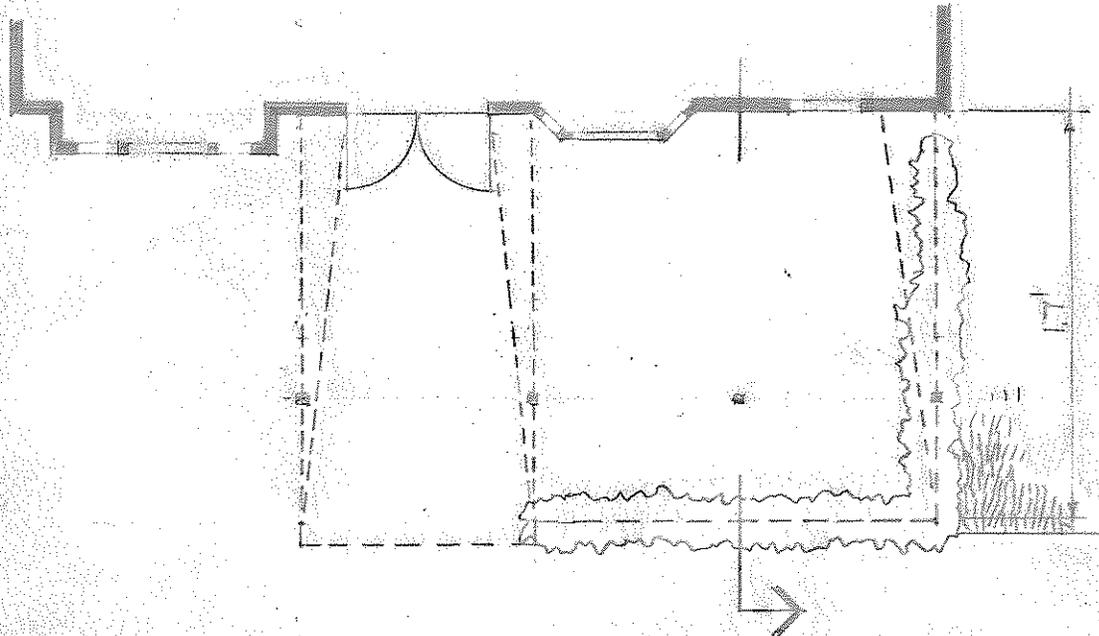
<b>DESIGN GUIDE/LMO CRITERIA</b>	<b>COMPLIES YES/NO/NA</b>	<b>COMMENTS OR CONDITIONS</b>
Treats the Landscape as a major element of the project		
Provides Landscaping of a scope and size that is in proportion to the scale of the development		
Landscape is designed so that it may be maintained in its natural shape and size		
Preserves a variety of existing native trees and shrubs		
Provides for a harmonious setting for the site's structures, parking areas or other construction		
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)		
Shrubs are selected to complement the natural setting, provide visual interest and screen less desirable elements of the project		
A variety of species is selected for texture and color		
Provides overall order and continuity of the Landscape plan		
Native plants or plants that have historically been prevalent on the Island are utilized		
A variety of sizes is selected to create a "layered" appearance for visual interest and a sense of depth		
The location of existing mature trees is taken into account in placement of shrubs so as not to damage tree roots		
Proper spacing and		

location for plants to reach their mature size and natural shape while avoiding excessive or unnatural pruning		
Proposed groundcovers are evergreen species with low maintenance needs		
Large grassed lawn areas encompassing a major portion of the site are avoided		
The adjacent development is taken into account in determining the most appropriate buffer so as not to depart too dramatically from the neighborhood		
Ornamentals and Annuals are limited to entrances and other focal points		

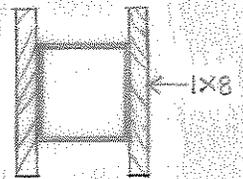
**NATURAL RESOURCES PROTECTION**

DESIGN GUIDE/LMO CRITERIA	COMPLIES YES/NO/NA	COMMENTS OR CONDITIONS
An effort has been made to preserve existing trees and under story plants		NR has no additional comments.
Supplemental and replacement trees meet LMO requirements for size, species and number		
Wetlands if present are avoided and the required buffers are maintained		
Sand dunes if present are not disturbed		

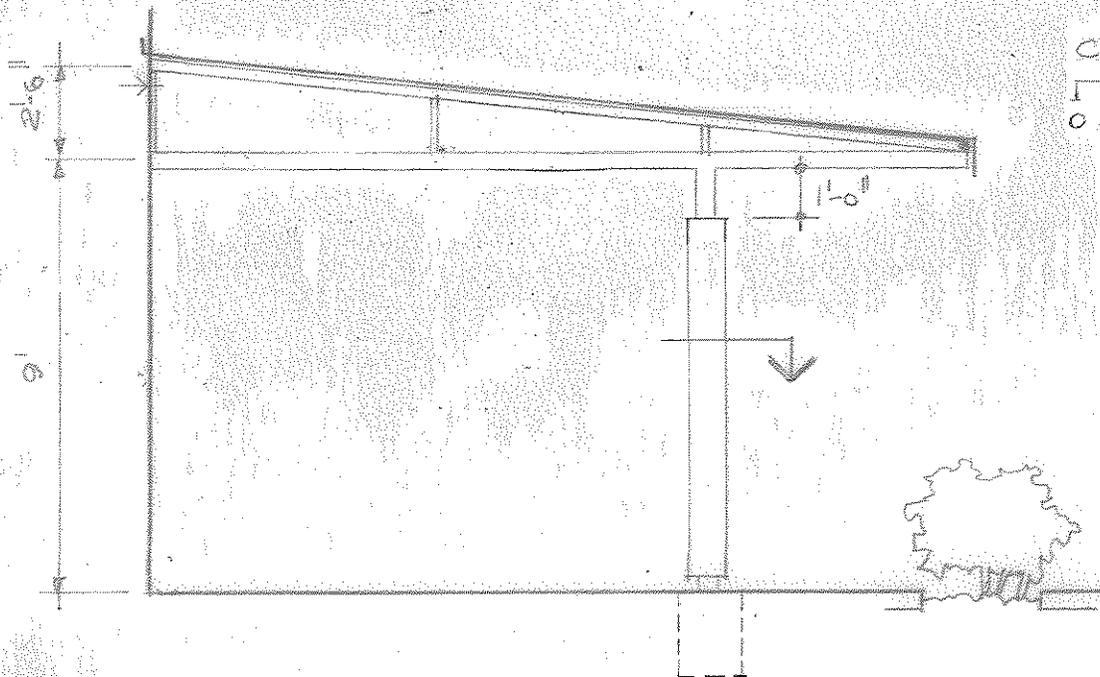
**MISCELLANEOUS COMMENTS/QUESTIONS**

PLAN



COLUMN



SECTION





ELEVATION





WG  
WineGuys



1513  
MAYHEW STREET

WG  
WineGuys

1513  
MAYHEW STREET

WG  
WineGuys

WG  
WineGuys

WG  
WineGuys

# 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 Hilton Head Pizza Company

DRB# DR100012

DATE 5-25-10

RECOMMEND   
APPROVE

RECOMMEND   
APPROVE W/COND.

RECOMMEND   
DENY

**ARCHITECTURAL DESIGN**  
The applicant has addressed all the concerns of the Board to varying extents. Staff recommends approval with the further discussion and clarification of the items with comments below.

DESIGN GUIDE/LMO CRITERIA	COMPLIES YES/NO/N/A	COMMENTS OR CONDITIONS
Structure is designed to be appropriate to the neighborhood	Y	
Promotes pedestrian scale and circulation	Y	
Design is unobtrusive and set into the natural environment	Y	
Utilizes natural materials and colors	Y	
Avoids distinctive vernacular styles	Y	
Design is appropriate for its use	Y	
All facades are have equal design characteristics	Y/N	Increased detailing at the dining porch, and the introduction of windows at the dining room has alleviated some of the concerns of the lack of detail on the rear elevation. The rhythm and balance created by the false windows on the front elevation might benefit the rear elevation as well. The projection of the office at the rear elevation doesn't translate well on the elevation drawing, but does break up the façade.
Avoids monotonous planes or unrelieved repetition	Y	
Has a strong roof form with enough variety to provide visual interest	Y	
Minimum roof pitch of 6/12	Y/N	5/12 is appropriate to the building. Dining porch and roof on left elevation have a very low pitch, and propose a waterproof membrane for the roofing material. This very well could be an invisible detail behind the flashing and gutters, but the exploration of an alternative was discussed by the Board
Overhangs are sufficient for the façade height.	Y	
Forms an details are sufficient to reduce the mass of the structure	Y	
Human scale is achieved by	Y	

the use of proper proportions and architectural elements		
Utilizes a variety of materials, textures and colors	Y	
Incorporates wood or wood simulating materials	Y	
Windows are in proportion to the facade	Y	
Details are clean, simple and appropriate while avoiding excessive ornamentation	Y	
Utilities and equipment are concealed from view	Y	
Decorative lighting is limited and low wattage and adds to the visual character	Y	
Accessory elements are design to coordinate with the primary structure	Y	

**LANDSCAPE DESIGN**

DESIGN GUIDE/LMO CRITERIA	COMPLIES YES/NO/NA	COMMENTS OR CONDITIONS
Treats the Landscape as a major element of the project	Y/N	Limited landscape plan, but lack of material actually preserves the natural character of the site
Provides Landscaping of a scope and size that is in proportion to the scale of the development	Y/N	After putting windows in the dining room, the landscape plan contemplates blocking them with material upon maturity. Conversely, the long, unadorned rear elevation beyond the dining room receives 7 gallon material that will do little to soften the immediate impact of development
Landscape is designed so that it may be maintained in its natural shape and size	Y	
Preserves a variety of existing native trees and shrubs	Y	
Provides for a harmonious setting for the site's structures, parking areas or other construction	Y	
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)	Y	
Shrubs are selected to complement the natural setting, provide visual interest and screen less desirable elements of the project	Y	Adjacent property buffer is addressed well. Character of landscape at drive aisle between lots should carry across the property line
A variety of species is selected for texture and color	Y	
Provides overall order and	Y	

continuity of the Landscape plan		
Native plants or plants that have historically been prevalent on the Island are utilized	Y/N	Japanese boxwood is a very formal plant and limited in precedence. The proposed application is usually, and more successfully, accomplished with dwarf yaupon holly
A variety of sizes is selected to create a "layered" appearance for visual interest and a sense of depth	Y	
The location of existing mature trees is taken into account in placement of shrubs so as not to damage tree roots	Y	
Proper spacing and location for plants to reach their mature size and natural shape while avoiding excessive or unnatural pruning	Y	
Proposed groundcovers are evergreen species with low maintenance needs	Y	
Large grassed lawn areas encompassing a major portion of the site are avoided	Y	The sod area seems to provide little aesthetic function, and will likely denigrate as it becomes an alternate route from the parking to the building. Continuation of the massing of azalea or liriopé might be more successful
The adjacent development is taken into account in determining the most appropriate buffer so as not to depart too dramatically from the neighborhood	Y	
Ornamentals and Annuals are limited to entrances and other focal points	Y	

**NATURAL RESOURCES PROTECTION**

DESIGN GUIDE/LMO CRITERIA	COMPLIES YES/NO/NA	COMMENTS OR CONDITIONS
An effort has been made to preserve existing trees and under story plants		NR has no additional comments.
Supplemental and replacement trees meet LMO requirements for size, species and number		
Wetlands if present are avoided and the required buffers are maintained		
Sand dunes if present are not disturbed		

### ABBREVIATIONS

AB	ABOVE
AMSL	ABOVE MEAN SEA LEVEL
APPROX.	APPROXIMATE
BOT.	BOTTOM
CMU	CONCRETE MASONRY UNIT
CL	CLEAR
CL	CENTERLINE
CLG	CEILING
C.O.	CASED OPENING
CONC	CONCRETE
CONT	CONTINUOUS
CPT	CARPET
COL	COLUMN
DN	DOWN
DP	DESIGN PRESSURE
DS	DOWN SPOUT
DW	DISHWASHER
DWR	DRAWER
EQ	EQUAL
FLR	FLOOR
FRX	FIRE RATED TYPE X GYPSUM BOARD
F.S.	FRAME SIZE
FT	FOOT
GYP BD	GYPSUM BOARD
HB	HOSE BIBB
HT	HEIGHT
HORIZ	HORIZONTAL
IN	INCH
INT	INTERIOR
KDAT	KILN DRIED AFTER TREATMENT
MAX	MAXIMUM
MIN	MINIMUM
OC	ON CENTER
PT	PRESSURE TREATED
REF	REFRIGERATOR
REQ'D	REQUIRED
R.O.	ROUGH OPENING
S.O.	SASH OPENING
SIM	SIMILAR
TYP	TYPICAL
T/SUB	TOP OF SUBFLOOR
T/WALL	TOP OF WALL
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
USG	UNITED STATES GYPSUM
VERT	VERTICAL
WH	WATER HEATER
W/	WITH

### INDEX OF DRAWINGS

COVER SHEET	
L1	LANDSCAPE PLAN
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PE-1	PALMETTO ELECTRIC SITE LIGHTING PLAN
A100	FLOOR PLAN
A101	ROOF PLAN
A200	FRONT ELEVATION
A201	RIGHT ELEVATION
A202	REAR ELEVATION
A203	LEFT ELEVATION
A300	BUILDING SECTIONS
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A601	DOOR AND WINDOW SCHEDULES
S1	GENERAL STRUCTURAL NOTES
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S3	ROOF FRAMING PLAN
S4	FOUNDATION/CMU DETAILS
S5	STEEL CONNECTION DETAILS
E101	FLOOR PLAN- POWER
E102	FLOOR PLAN- LIGHTING
E201	ELECTRICAL DETAILS
M101	FLOOR PLAN- HVAC
M201	HVAC- DETAILS
P101	FLOOR PLAN- PLUMBING WASTE
P102	FLOOR PLAN- PLUMBING WATER
P201	PLUMBING DETAILS
P202	PLUMBING DETAILS

### CODE INFORMATION

2006 International Building Code

Occupancy Classification- Assembly Group A-2, Restaurant

Construction Classification- Type III, sprinkled

#### Area Calculations

3,482 gross sq. ft.

367 covered sq. ft.

3,849 total gross sq. ft.

#### Occupant Load Calculations

807 sq ft Kitchen x 200 sf./person = 4

84 sq ft Bar x 100 sq. ft. /person = 1

82 sq ft Office x 100 sq. ft. /person = 1

706 sq ft Dining Room x 15 sq. ft. /person = 47

492 sq ft Banquet Room x 15 sq. ft. /person = 33

122 sq ft Lobby x 5 sq. ft. /person = 24

24 lin ft bar x 1 person/1.5 ft = 16

Total Occupant Load = 126

## ARCHITECTURE

**GROUP 3 ARCHITECTURE•INTERIORS•PLANNING**  
1600 Main Street  
Hilton Head Island, SC 29926  
(843) 689-9060 Telephone  
(843) 689-9072 Fax

## STRUCTURAL ENGINEER

**ISLAND STRUCTURAL ENGINEERING, LLC**  
306 Seabrook Dr.  
Hilton Head Island, SC 29926  
(803) 342-76230 Telephone

## M. E. P. ENGINEER

**SMITH AND VANDENBULCK**  
5 Oglethorpe Professional Blvd.  
Suite 130  
Savannah, Georgia 31406  
(912) 354-5249 Telephone  
(912) 352-8429 Fax

## CIVIL ENGINEER

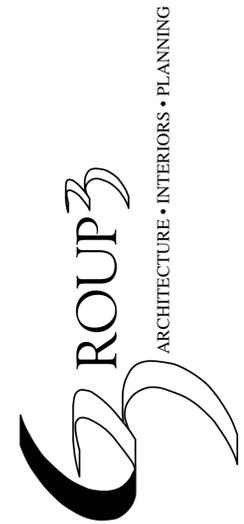
**WARD - EDWARDS**  
P.O. Box 381  
Bluffton, SC 29910  
(866) 837-5250 Telephone  
(843) 837-2558 Fax

## CONTRACTOR

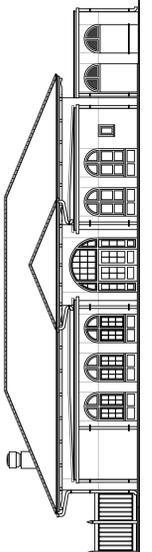
**BOHRER GENERAL CONTRACTORS**  
10 Century Oak Lane  
Hilton Head Island, SC 29926  
(843) 681-5464 Telephone  
(843) 681-5901 Fax

## LANDSCAPE DESIGNER

**NATURE'S IMAGES, INC.**  
(843) 842-6288 Telephone  
(843) 842-6286 Fax

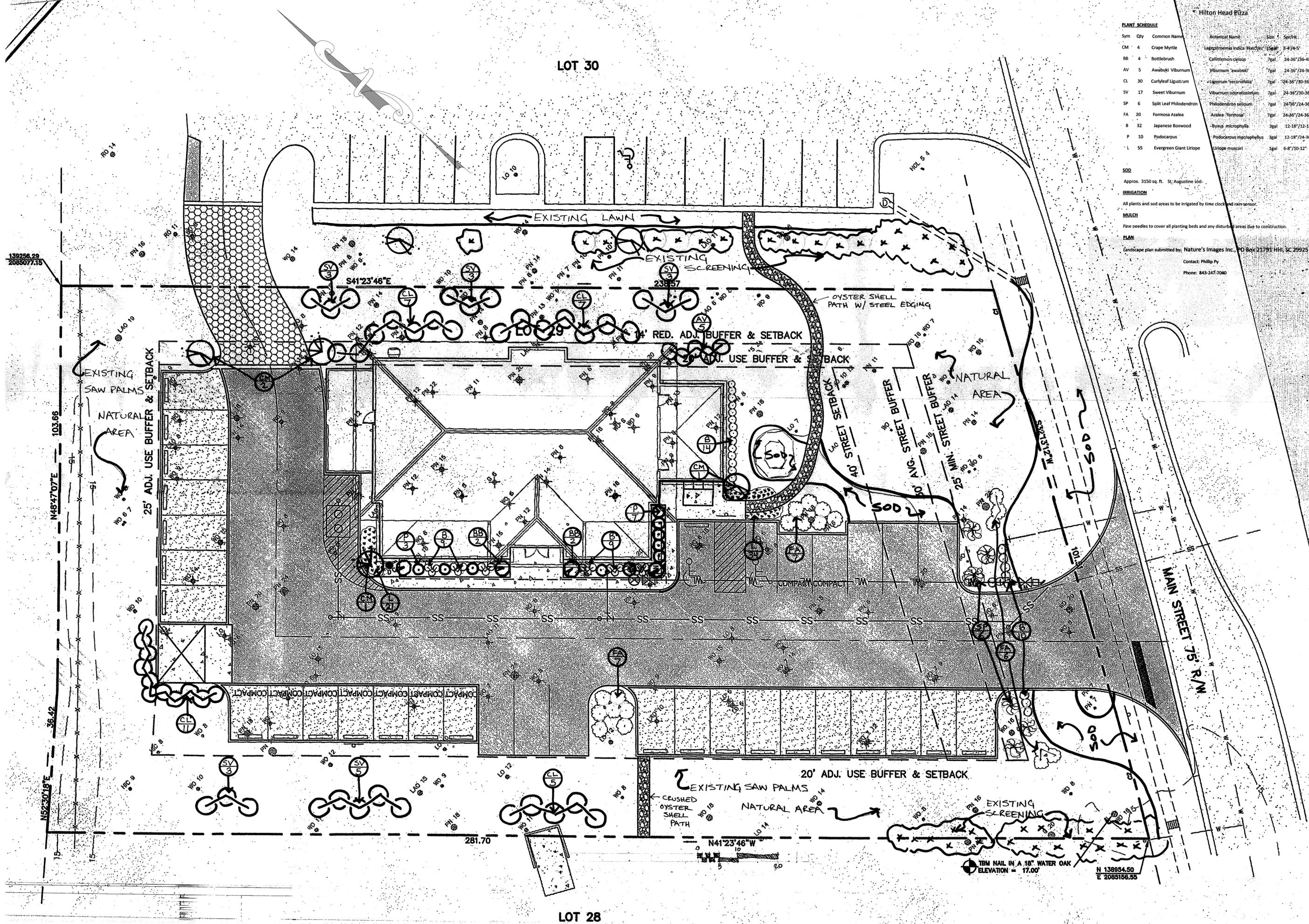


**Hilton Head  
Pizza Company**  
Lot 29 Main Street  
Hilton Head Island, South Carolina



LOT 30

LOT 28



Hilton Head Pizza

Sym	Qty	Common Name	Botanical Name	Size	Sp/HR
CM	4	Crape Myrtle	Lagerstroemia indica 'Natchez'	3-4/4-5'	
BB	4	Bottlebrush	Callistemon citrinus	7gal 24-36"/36-48"	
AV	5	Awabuki Viburnum	Viburnum 'awabuki'	7gal 24-36"/24-36"	
CL	30	Curlyleaf Ligustrum	Ligustrum 'recurvifolia'	7gal 24-36"/30-36"	
SV	17	Sweet Viburnum	Viburnum odoratissimum	7gal 24-36"/30-36"	
SP	6	Split Leaf Philodendron	Philodendron splitum	7gal 24-36"/24-36"	
FA	20	Formosa Azalea	Azalea 'formosa'	7gal 24-36"/24-36"	
B	32	Japanese Boxwood	Buxus microphylla	3gal 12-18"/12-18"	
P	10	Podocarpus	Podocarpus microphyllus	3gal 12-18"/24-36"	
L	55	Evergreen Giant Liriope	Liriope muscari	3gal 6-8"/10-12"	

SOD  
Approx. 3150 sq. ft. St. Augustine sod.

IRRIGATION  
All plants and sod areas to be irrigated by time clock and rain sensor.

MULCH  
Pine needles to cover all planting beds and any disturbed areas due to construction.

PLAN  
Landscape plan submitted by: Nature's Images Inc., PO Box 21791 HHI, SC 29925  
Contact: Phillip Py  
Phone: 843-247-7040

LANDSCAPE PLAN BY NATURE'S IMAGES, INC.  
**HILTON HEAD PIZZA COMPANY**  
 LOT 29 MAIN STREET, HILTON HEAD IS., SC

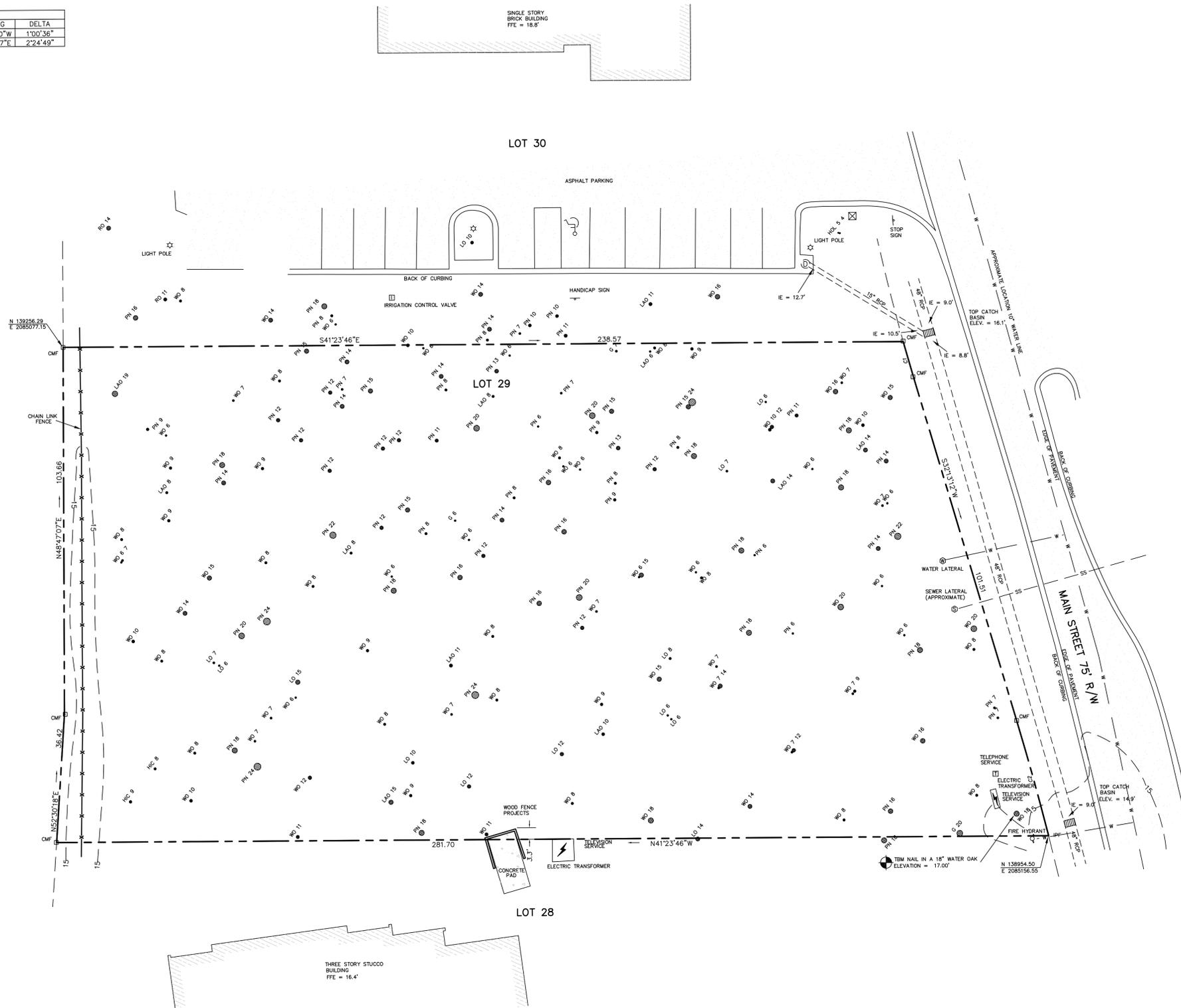
DATE: 5.11.10  
 SCALE: 1" = 10'

L-1

TBM NAIL IN A 1.6" WATER OAK  
 ELEVATION = 17.00'  
 N 138854.50  
 E 2085156.55

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CURVE TABLE					
CURVE	LENGTH	RADIUS	CHORD	BEARING	DELTA
C1	10.36	587.82	10.36	S32°43'30"W	1°00'36"
C2	33.83	803.04	33.83	N33°25'37"E	2°24'49"



HILTON HEAD PLANTATION GOLF COURSE

- NOTES:
- 1) UNDERGROUND UTILITIES NOT LOCATED EXCEPT AS SHOWN.
  - 2) SEA ISLAND LAND SURVEY, LLC. CERTIFIES TO THE BOUNDARY, TOPOGRAPHIC AND ASBLUT INFORMATION PROVIDED HEREON AS THE DATE OF THE SURVEY. THIS SURVEY MAY BE USED IN DIGITAL FORMAT AS A BASE FOR OTHERS AND ANY REVISIONS OR ADDITIONS MADE HEREFTER IS NOT THE RESPONSIBILITY OF SEA ISLAND LAND SURVEY, LLC. A HARD COPY AVAILABLE FROM SEA ISLAND LAND SURVEY, LLC. WILL BE THE ONLY OFFICIAL DOCUMENT.
  - 3) SUBJECT PROPERTY DOES NOT APPEAR TO BE AFFECTED BY THE BEACHFRONT SETBACK REQUIREMENTS OF THE S.C. BEACH PROTECTION ACT OF JULY 1, 1988.
  - 4) HORIZONTAL DATUM IS S.C. STATE PLANE (NAD 83) 2007.
  - 5) VERTICAL DATUM IS NGVD29.
  - 6) CONTOUR INTERVAL IS 1'.
  - 7) USE OF THIS PROPERTY MAY BE AFFECTED BY THE TERMS OF COVENANTS RELATING TO THIS PLANNED COMMERCIAL DEVELOPMENT.
  - 8) BUILDING SETBACKS, WHETHER SHOWN OR NOT, SHOULD BE VERIFIED BY THE LOCAL BUILDING AUTHORITY OR ARCHITECTURAL REVIEW BOARD.
  - 9) THIS SURVEY HAS BEEN PREPARED WITHOUT BENEFIT OF A COMPLETE TITLE SEARCH AND IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.
  - 10) THIS SURVEY DOES NOT CERTIFY TO THE EXISTENCE OR ABSENCE OF FRESHWATER WETLANDS.
  - 11) IF IDENTIFICATION TREES IS CRITICAL TO DEVELOPMENT, AN ARBORIST SHOULD BE CONSULTED TO VERIFY SUCH TREE IDENTIFICATION.
  - 12) THE HILTON HEAD COMPANY RESERVES A UTILITY EASEMENT OF 10 FEET ALONG THE REAR OR STREET SIDE AND ALONG ONE SIDE OF EACH LOT IN THIS SUBDIVISION.
  - 13) THE SUBDIVISION REFERENCE PLAT REQUIRES A VISUAL FRONTAGE BUFFER, REFER TO REFERENCE PLAT FOR DETAILS.

REFERENCE PLAT

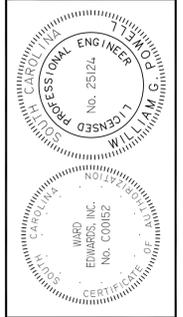
1) A PLAT OF PARCELS C, G, J & K, MAIN STREET, A SECTION OF HILTON HEAD PLANTATION COMMERCIAL SUBDIVISION, HILTON HEAD ISLAND, BEAUFORT COUNTY, SOUTH CAROLINA. DRAWN: 7/23/86, LAST REVISED: 8/08/88 RECORDED IN BOOK 35, PAGE 364 ROD. BEAUFORT COUNTY, SC BY: JERRY L. RICHARDSON S.C.R.L.S. # 4784

- LEGEND & SYMBOLS:
- TREE SIZE ARE INCHES IN DIAMETER
  - SPOT ELEVATION
  - CONTOUR
  - 3" CONCRETE MONUMENT FOUND
  - IPF 1/2" IRON PIN FOUND
  - TM TEMPORARY BENCH MARK
  - IE INVERT ELEVATION
  - FFE FINISHED FLOOR ELEVATION
  - ROP REINFORCED CONCRETE PIPE
  - LO LIVE OAK
  - RO RED OAK
  - LAO LAUREL OAK
  - HIC HICKORY
  - G GUM
  - PN PINE
  - WO WATER OAK
  - ET ELECTRIC TRANSFORMER
  - TEL TELEPHONE SERVICE
  - TV TELEVISION SERVICE
  - FR FIRE HYDRANT
  - CB CATCH BASIN
  - WL WATER LATERAL
  - SL SEWER LATERAL
  - ICV IRRIGATION CONTROL VALVE

PROPERTY AREA = 0.83 AC. (36,336 S.F.)  
 ADDRESS: # 2000 MAIN STREET  
 DISTRICT: 510, MAP: 7B, PARCEL: 20  
 THIS PROPERTY LIES IN F.E.M.A. ZONE C  
 BASE FLOOD ELEVATION = NO MINIMUM ELEVATION  
 COMMUNITY NO. 450250, PANEL 0008D, DATED: 9/29/86

BOUNDARY, TREE AND TOPOGRAPHIC SURVEY OF:  
 LOT 29, HILTON HEAD COMMERCIAL SUBDIVISION,  
 MAIN STREET, HILTON HEAD ISLAND,  
 BEAUFORT COUNTY, SOUTH CAROLINA  
 PREPARED FOR: GROUP 3 ARCHITECTURE

**SIS** Sea Island Land Survey, LLC.  
 4D Mathews Court, Hilton Head Island, SC 29926  
 Tel (843) 681-3248 Fax (843) 689-3871  
 E-mail: sis@sprynet.com  
 FILE No.: 09086/2 DWG No.: 7-1162



PLAN REVISIONS	
NO.	DESCRIPTION
7	
6	
5	
4	
3	
2	
1	

**WARD EDWARDS**  
 ENGINEERING • PLANNING • SCIENCE  
 P.O. BOX 381  
 BLUEFORD, SOUTH CAROLINA 29910  
 PH (866) 837-5250 / FAX (843) 837-2558  
 WWW.WARDEDWARDS.COM

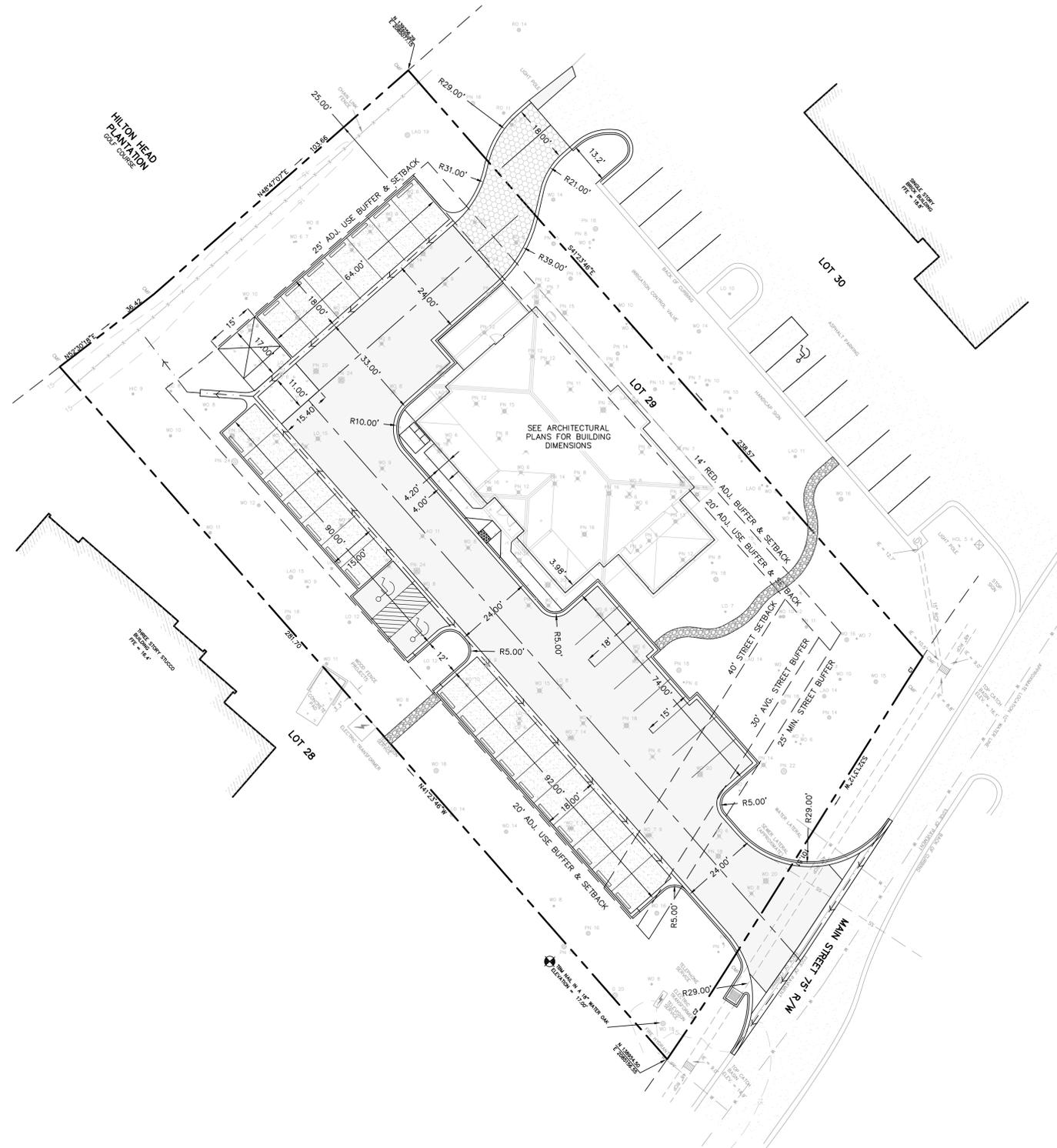
HILTON HEAD PIZZA COMPANY  
 TOWN OF HILTON HEAD ISLAND, BEAUFORT COUNTY, SOUTH CAROLINA  
 Hilton Head Pizza Company  
 Lot 29 Main Street, Hilton Head, SC 29926  
**EXISTING CONDITIONS**

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<input type="checkbox"/> RELEASED FOR CONSTRUCTION
PROJECT #: 090073
DATE: 05/01/10
DESIGNED BY: HED
CHECKED BY: WJ
SCALE: 1"=16'

SHEET  
**C.03**

IF THIS SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

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HILTON HEAD PIZZA COMPANY  
 TOWN OF HILTON HEAD ISLAND, BEAUFORT COUNTY, SOUTH CAROLINA  
 Hilton Head Pizza Company  
 Lot 29 Main Street, Hilton Head, SC 29926  
**OVERALL SITE & STAKING PLAN**

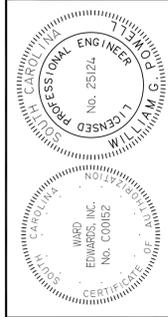
NOT FOR CONSTRUCTION  
 RELEASED FOR CONSTRUCTION

PROJECT #: 090073  
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 DESIGNED BY: HED  
 CHECKED BY: WEP  
 SCALE: 1"=20'

SHEET  
**C.04**

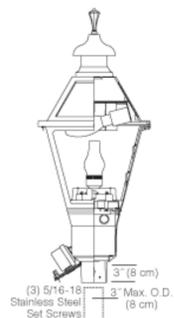
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 BLUEFORD, SOUTH CAROLINA 29910  
 PH (866) 837-5250 / FAX (843) 837-2558  
 WWW.WARDEDWARDS.COM

NO.	DESCRIPTION	DATE
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6		
5		
4		
3		
2		
1		

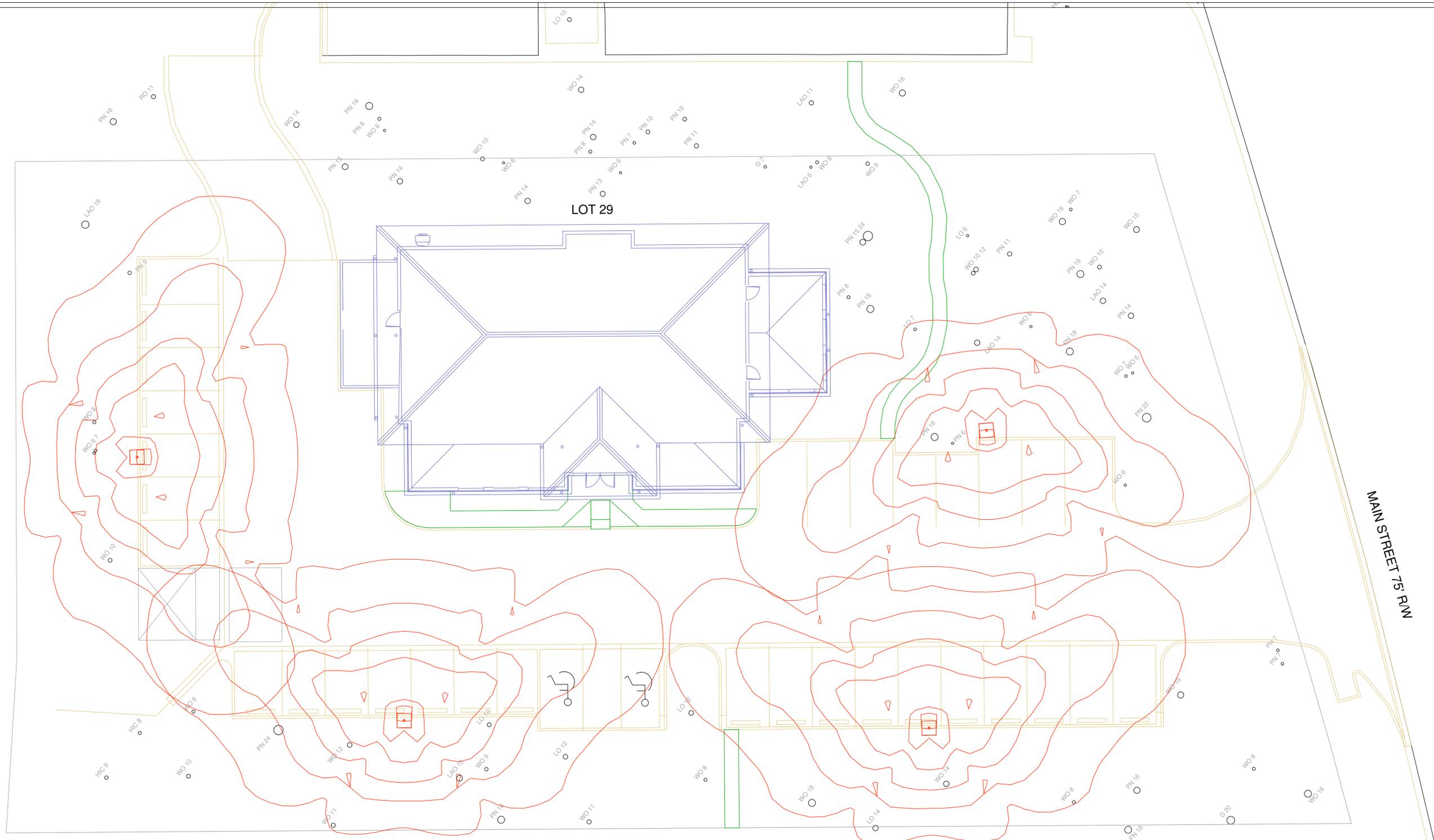


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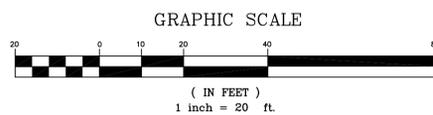
NAME: X:\NMP\JOBS\1005001-12\DWG



HADCO "BALTIMORE" V651 IN VERDE FINISH



LOT 28



**NOTES**

1. P.E.C.I. ONLY PROVIDES LIGHTING DESIGNS AS REQUESTED BY THE CUSTOMER OR AS REQUESTED BY LOCAL GOVERNING AGENCIES.
2. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO ENSURE THAT THE LIGHT VALUES, LOCATIONS, LIGHT TYPE, POLE TYPE, AND MOUNTING HEIGHT ARE IN COMPLIANCE WITH ALL LOCAL GOVERNING AGENCY REQUIREMENTS AND/OR RECOMMENDATIONS.
3. ANY OBSTRUCTIONS, OR THE INTRODUCTION OF, WITHIN THE LIGHTED SPACE MAY PRODUCE RESULTS THAT ARE DIFFERENT FROM THE PREDICTED VALUES.

THESE PLANS ARE FOR THE APPROVAL AND CONSTRUCTION OF PALMETTO ELECTRIC COOPERATIVE, INC. SECURITY LIGHTS ONLY.

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PRELIMINARY LIGHTING PROPOSAL FOR  
 HILTON HEAD PIZZA COMPANY  
 2000 MAIN STREET  
 HILTON HEAD ISLAND  
 BEAUFORT COUNTY, SOUTH CAROLINA

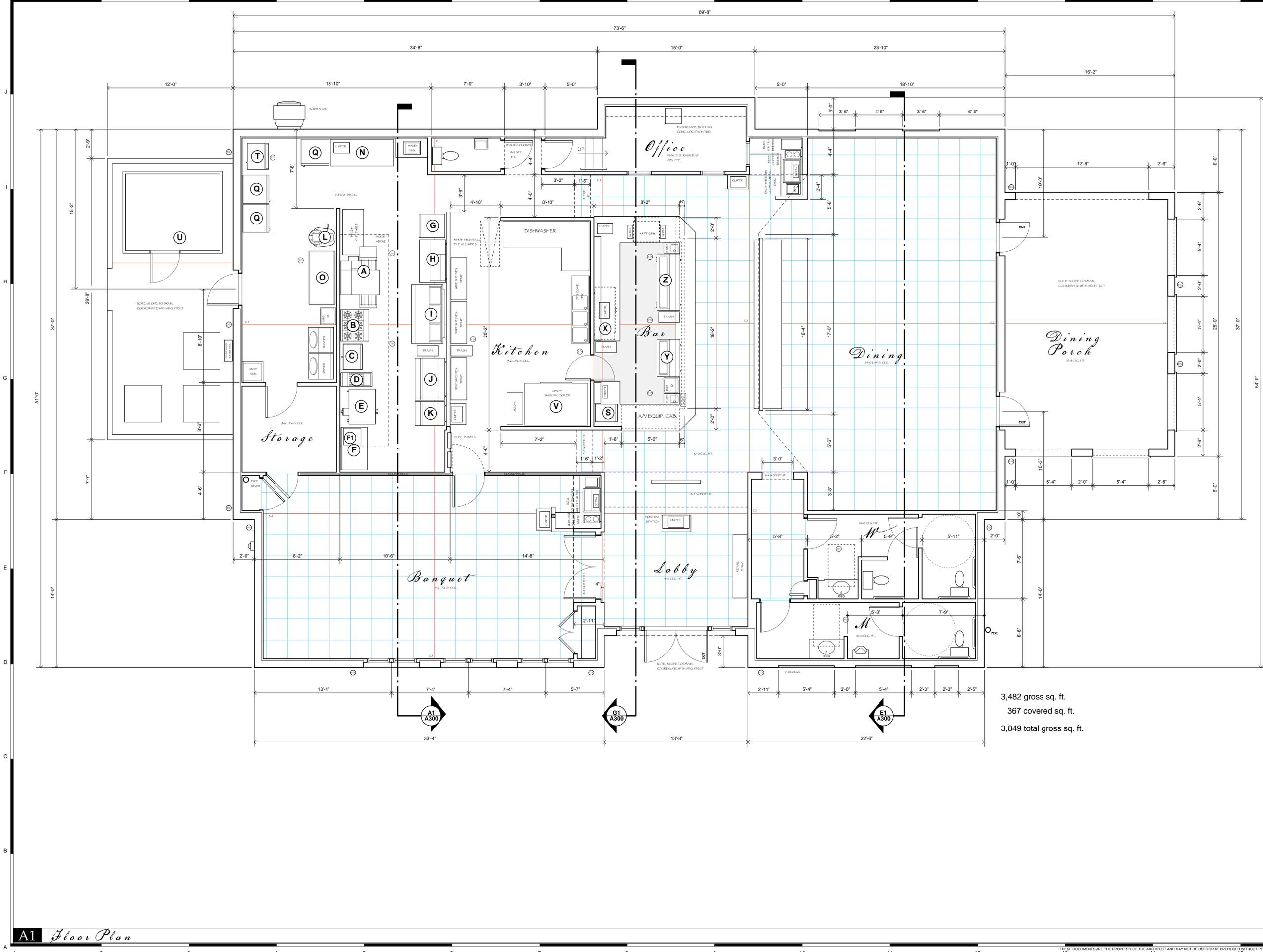
**PE-1**

REMARKS:

DESIGNED BY:	AAG
CHECKED BY:	ENG
DRAWN BY:	AAG
DATE:	06/06/10
SCALE:	1" = 20'
PROJECT NO.:	1005001L-1
MAP NO.:	00000000
SHEET NO.	1
	OF
	1



PALMETTO ELECTRIC COOPERATIVE, INC.  
 1 COOPERATIVE WAY  
 HARDEEVILLE, SOUTH CAROLINA 29927  
 (843) 208-6551 / FAX (843) 208-6582



3,482 gross sq. ft.  
 367 covered sq. ft.  
 3,849 total gross sq. ft.

1600 Main Street  
 Hilton Head Island, SC 29926  
 (843) 689-9060 ph  
 (843) 689-9072 fax  
 info@Group3Arch.com

ARCHITECTURE • INTERIORS • PLANNING

SEAL:  
 SEAL:

**Hilton Head  
 Pizza Company**  
 Lot 29 Main Street  
 Hilton Head Island, South Carolina

DATE: 5.4.10  
 PARTNER: MGR  
 PROJ. MGR.: MGR  
 DRAWN BY: RMC  
 CHECKED BY: MGR  
 OFFICE: HHI  
 PROJECT NO.:

REVISION:	DATE:	BY:

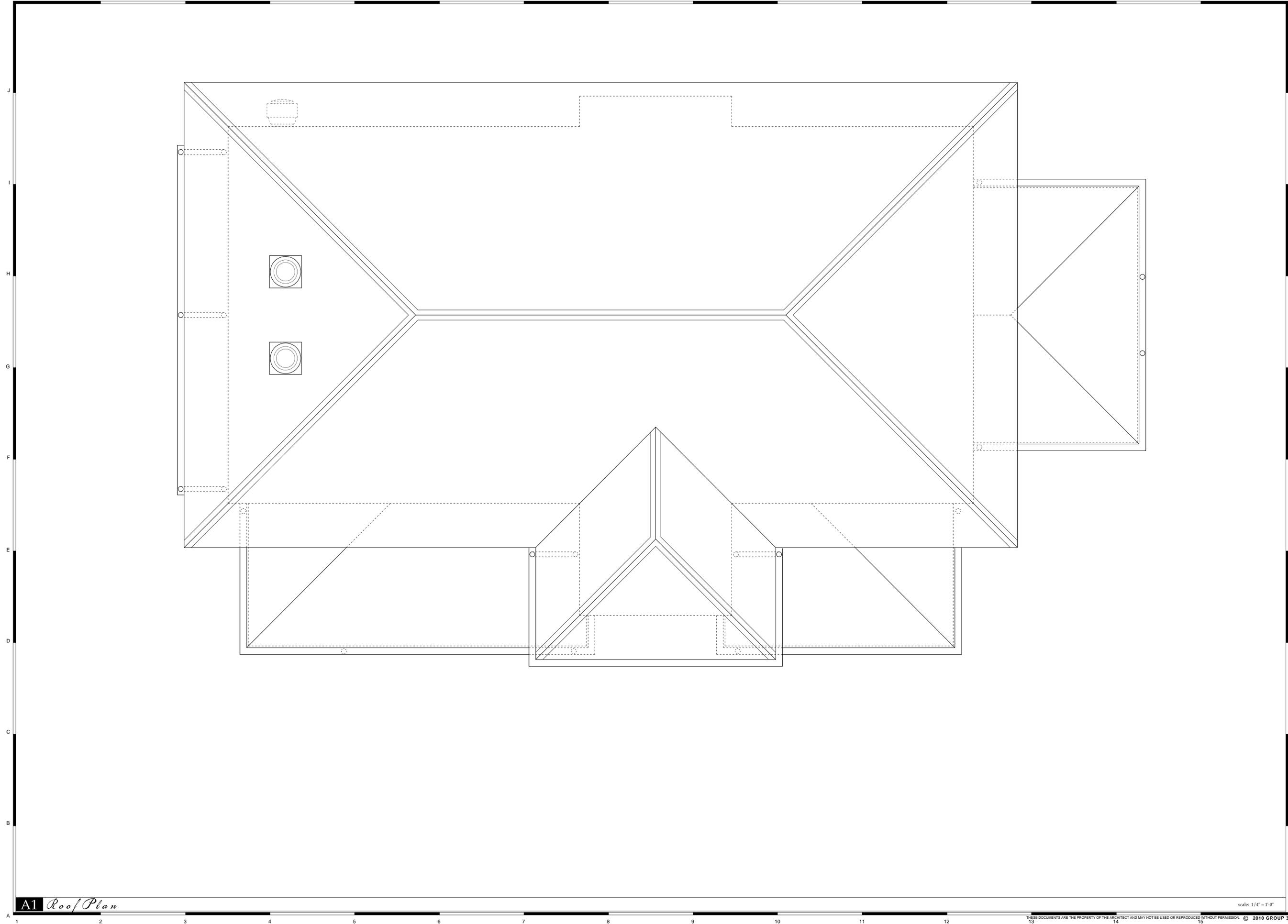
*Floor Plan*

**A1** Floor Plan

scale: 1/4" = 1'-0"

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ISSUED FOR DRB FINAL APPROVAL



A1 Roof Plan

scale: 1/4" = 1'-0"

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SEAL:

SEAL:

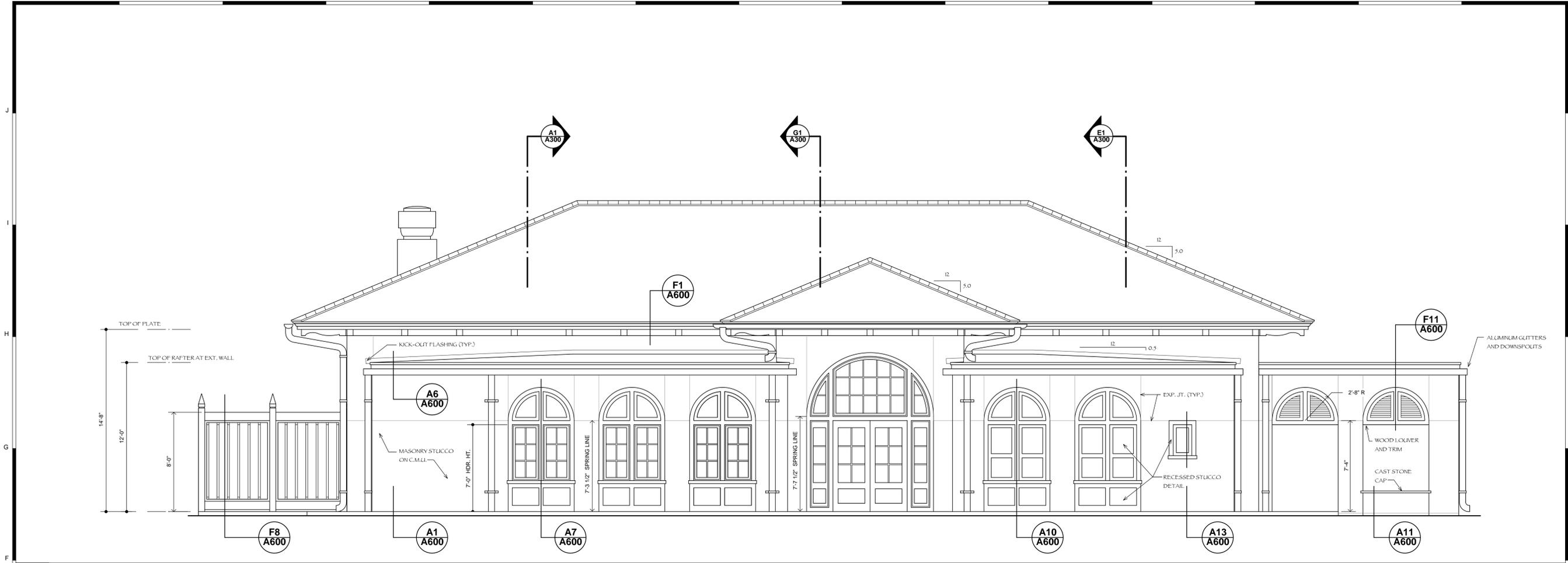
**Hilton Head  
 Pizza Company**  
 Lot 29 Main Street  
 Hilton Head Island, South Carolina

DATE:	5.4.10
PARTNER:	MGR
PROJ. MGR.:	MGR
DRAWN BY:	RMC
CHECKED BY:	MGR
OFFICE:	HHI
PROJECT NO.:	

REVISION:	DATE:	BY:

*Roof Plan*  
**AIOI**

ISSUED FOR DRB FINAL APPROVAL



**F1** *Left Elevation*

scale: 1/4" = 1'-0"



**A1** *Front Elevation*

scale: 1/4" = 1'-0"

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(843) 689-9072 fax  
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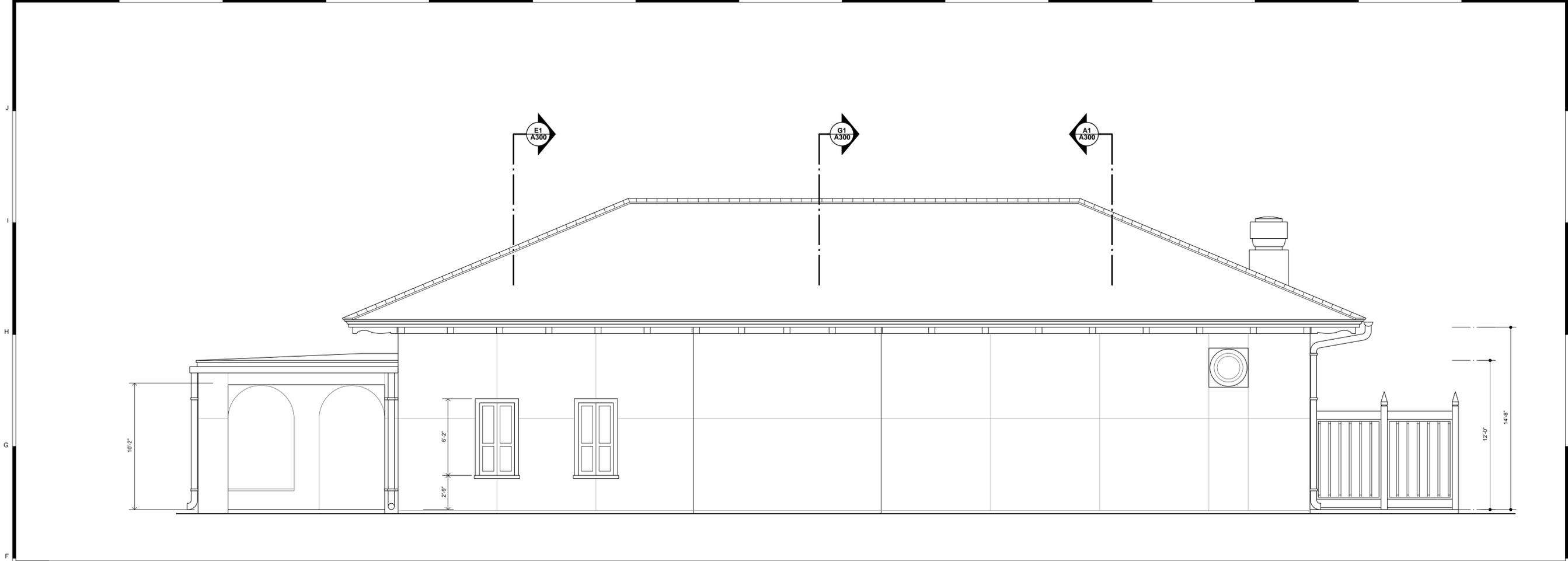
SEAL:  
  
SEAL:

**Hilton Head  
Pizza Company**  
Lot 29 Main Street  
Hilton Head Island, South Carolina

DATE: 5.4.10  
PARTNER: MGR  
PROJ. MGR.: MGR  
DRAWN BY: RMC  
CHECKED BY: MGR  
OFFICE: HHI  
PROJECT NO.:

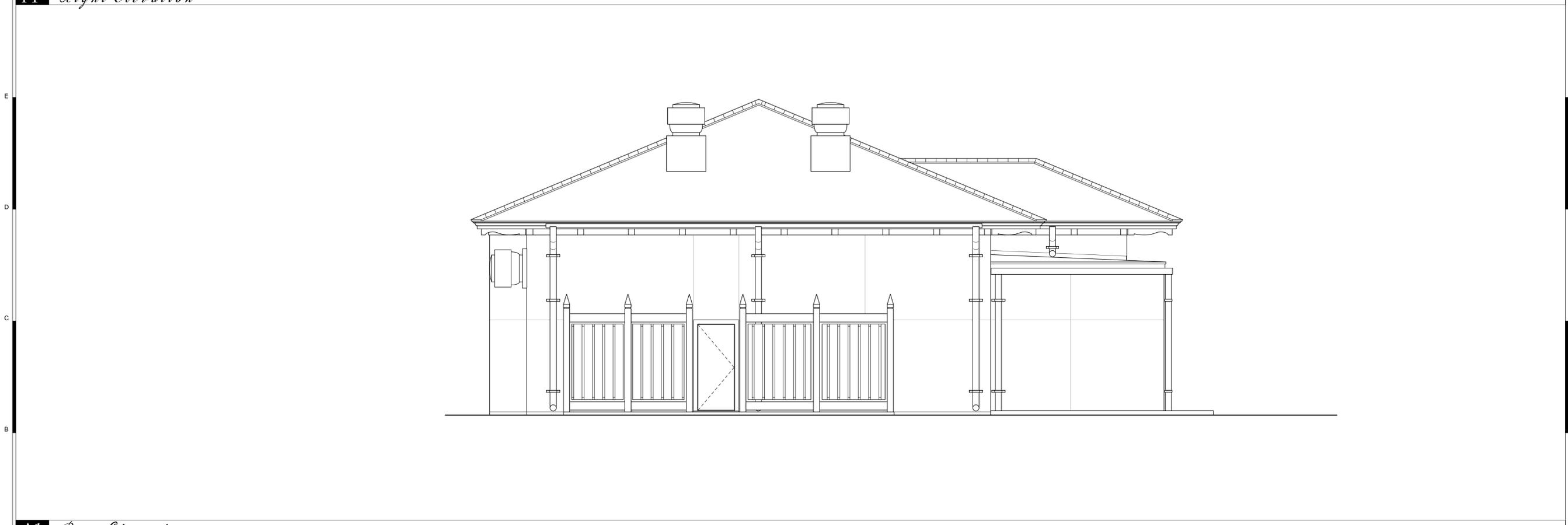
REVISION:	DATE:	BY:

*Exterior  
Elevations*  
**A200**



**F1** Right Elevation

scale: 1/4" = 1'-0"



**A1** Rear Elevation

scale: 1/4" = 1'-0"

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 (843) 689-9072 fax  
 info@Group3Arch.com



ARCHITECTURE · INTERIORS · PLANNING

SEAL:

SEAL:

**Hilton Head  
 Pizza Company**  
 Lot 29 Main Street  
 Hilton Head Island, South Carolina

DATE: 5.4.10  
 PARTNER: MGR  
 PROJ. MGR.: MGR  
 DRAWN BY: RMC  
 CHECKED BY: MGR  
 OFFICE: HHI  
 PROJECT NO:

REVISION:	DATE:	BY:

*Exterior  
 Elevations*  
**A201**



**G1** Building Section

scale: 1/4" = 1'-0"

**E1** Building Section

scale: 1/4" = 1'-0"

**A1** Building Section

scale: 1/4" = 1'-0"

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ARCHITECTURE · INTERIORS · PLANNING

SEAL:

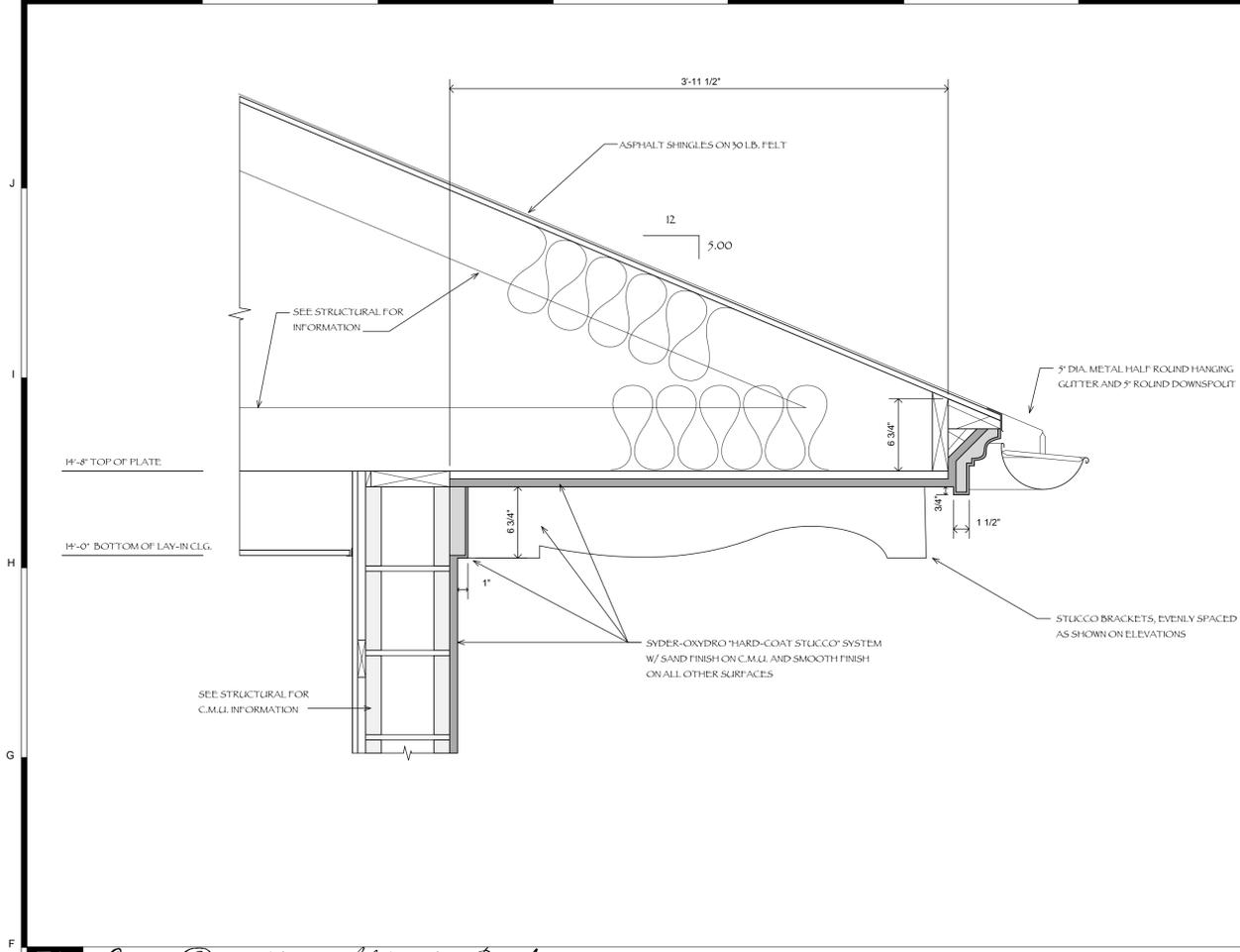
SEAL:

**Hilton Head  
 Pizza Company**  
 Lot 29 Main Street  
 Hilton Head Island, South Carolina

DATE:	5.4.10
PARTNER:	MGR
PROJ. MGR.:	MGR
DRAWN BY:	RMC
CHECKED BY:	MGR
OFFICE:	HHI
PROJECT NO.:	

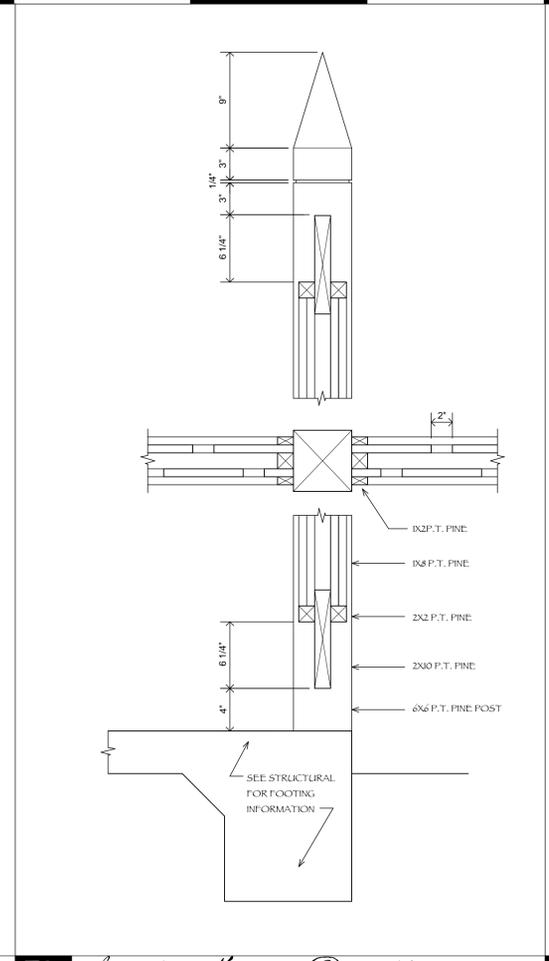
REVISION:	DATE:	BY:

*Building  
 Sections*  
**A300**



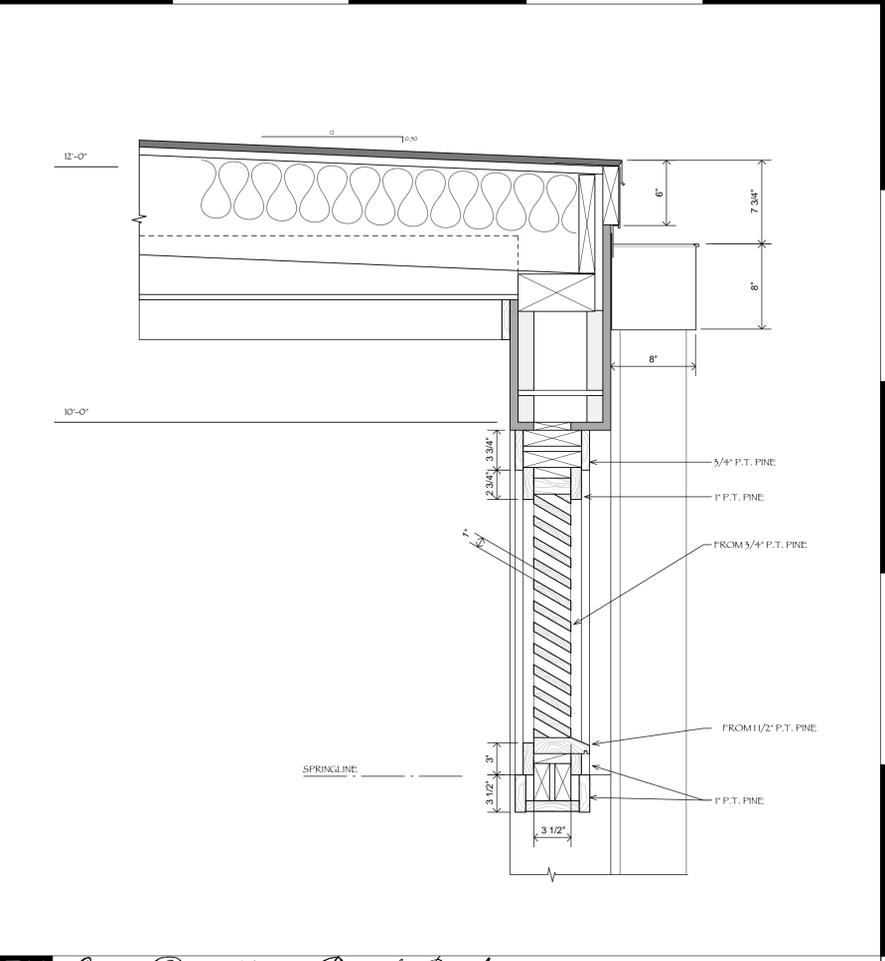
F1 Cave Detail at Shingle Roof

scale: 1 1/2" = 1'-0"



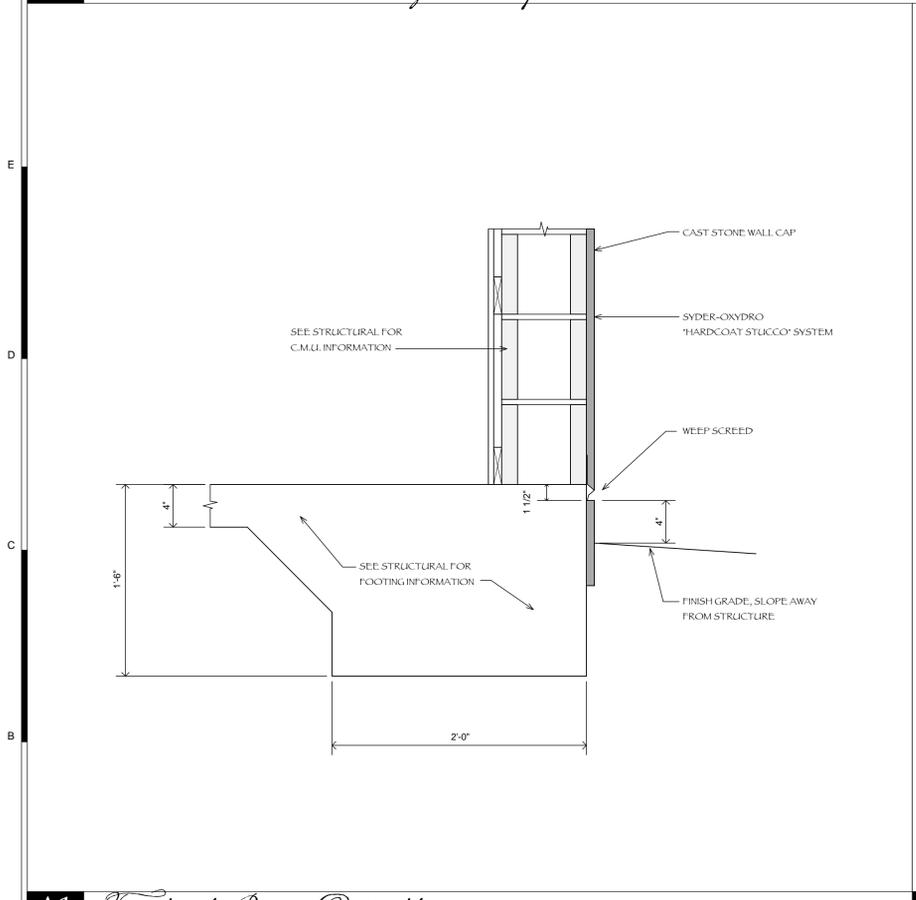
F8 Service Fence Detail

scale: 1 1/2" = 1'-0"



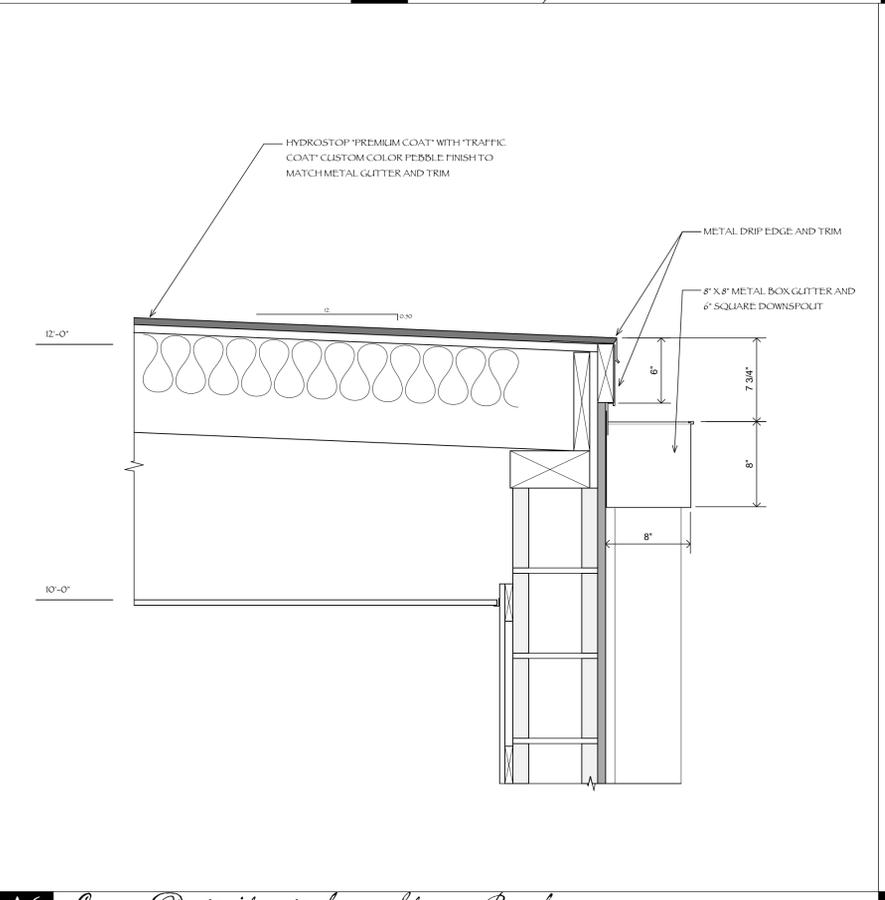
F11 Cave Detail at Porch Roof

scale: 1 1/2" = 1'-0"



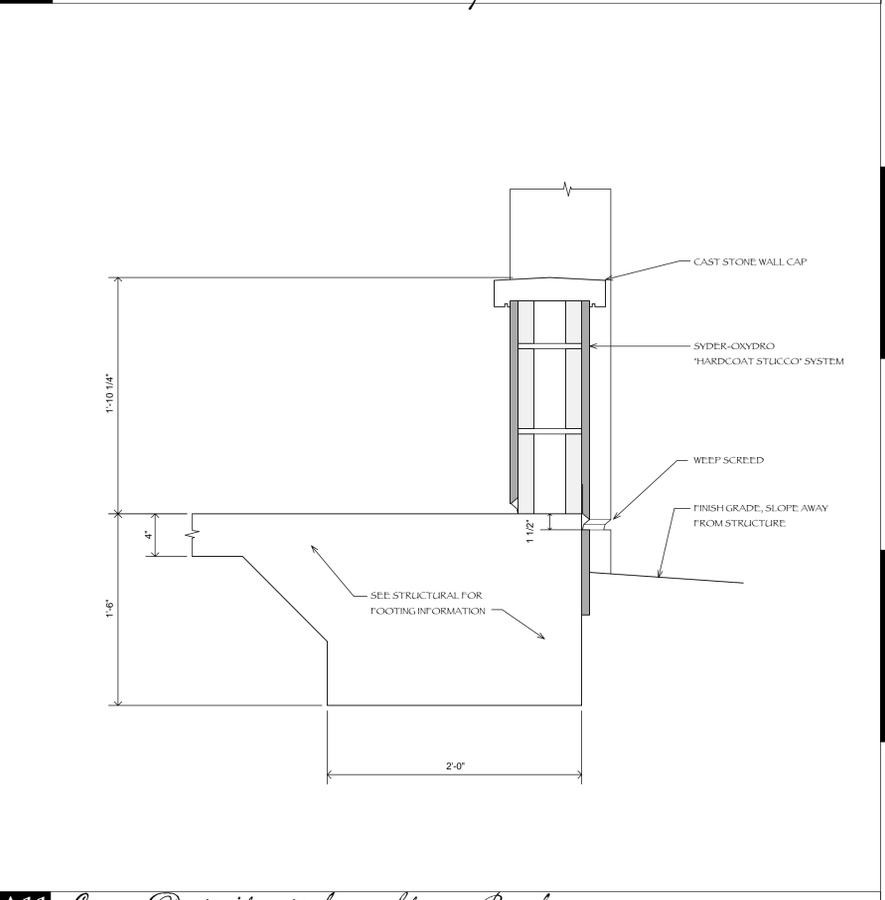
A1 Typical Base Detail

scale: 1 1/2" = 1'-0"



A6 Cave Detail at Low Slope Roof

scale: 1 1/2" = 1'-0"



A11 Cave Detail at Low Slope Roof

scale: 1 1/2" = 1'-0"

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SEAL:

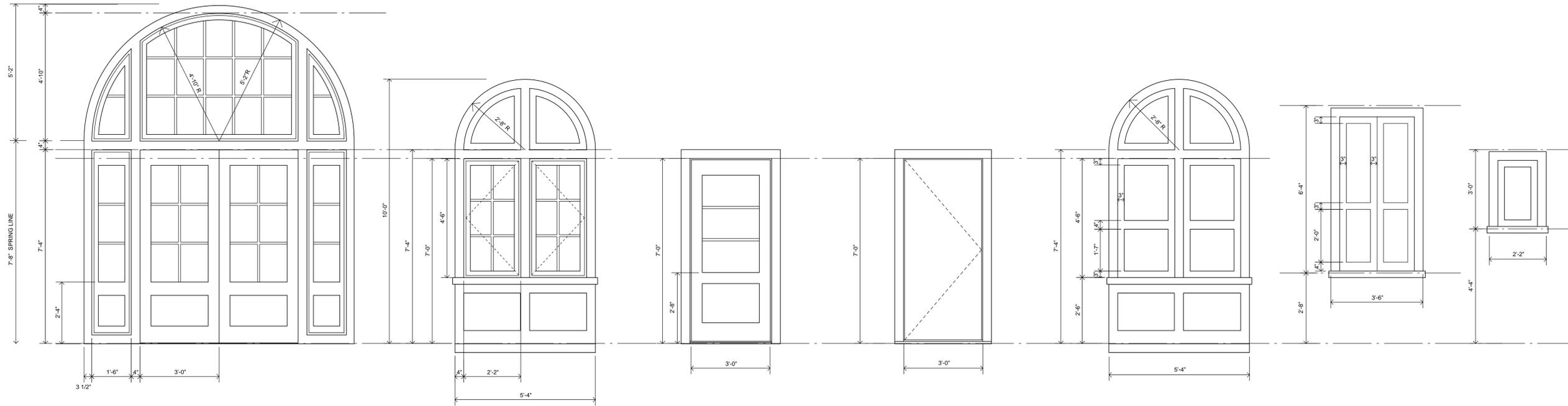
SEAL:

**Hilton Head  
Pizza Company**  
Lot 29 Main Street  
Hilton Head Island, South Carolina

DATE: 5.4.10  
PARTNER: MGR  
PROJ. MGR.: MGR  
DRAWN BY: RMC  
CHECKED BY: MGR  
OFFICE: HHI  
PROJECT NO:

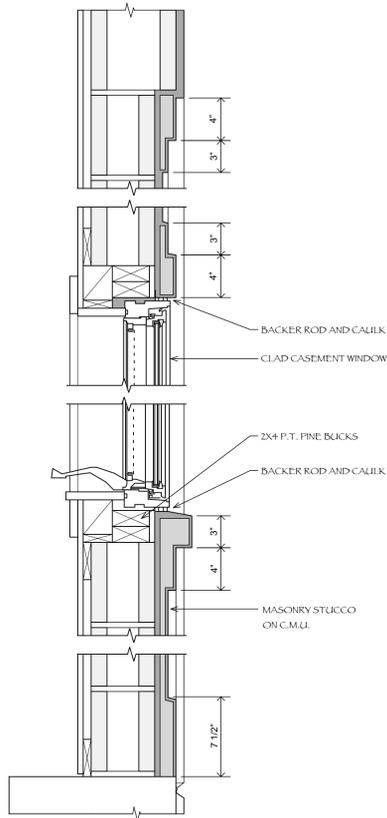
REVISION:	DATE:	BY:

Exterior  
Details  
**A600**



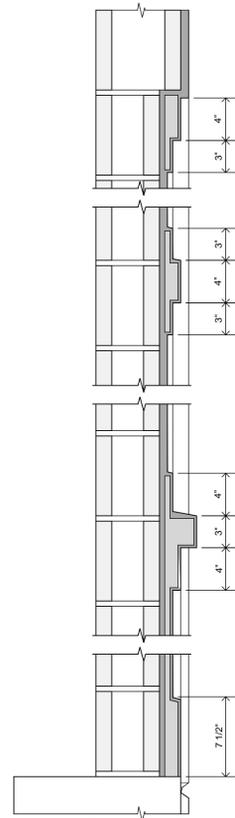
**F1** Exterior Doors and Windows

scale: 1/2" = 1'-0"



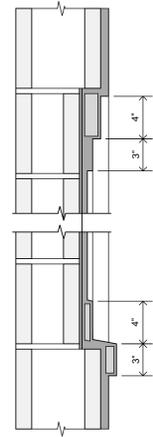
**A7** Window Detail

scale: 1 1/2" = 1'-0"



**A10** Faux Window Detail

scale: 1 1/2" = 1'-0"



**A13** Faux Window Detail

scale: 1 1/2" = 1'-0"

**Hilton Head  
Pizza Company**  
Lot 29 Main Street  
Hilton Head Island, South Carolina

DATE: 5.4.10  
PARTNER: MGR  
PROJ. MGR.: MGR  
DRAWN BY: RMC  
CHECKED BY: MGR  
OFFICE: HHI  
PROJECT NO:

REVISION:	DATE:	BY:

*Exterior  
Details*  
**A601**

1600 Main Street  
Hilton Head Island, SC 29926  
(843) 689-9060 ph  
(843) 689-9072 fax  
info@Group3Arch.com



ARCHITECTURE · INTERIORS · PLANNING.

SEAL:

SEAL:

**ELECTRICAL LEGEND**

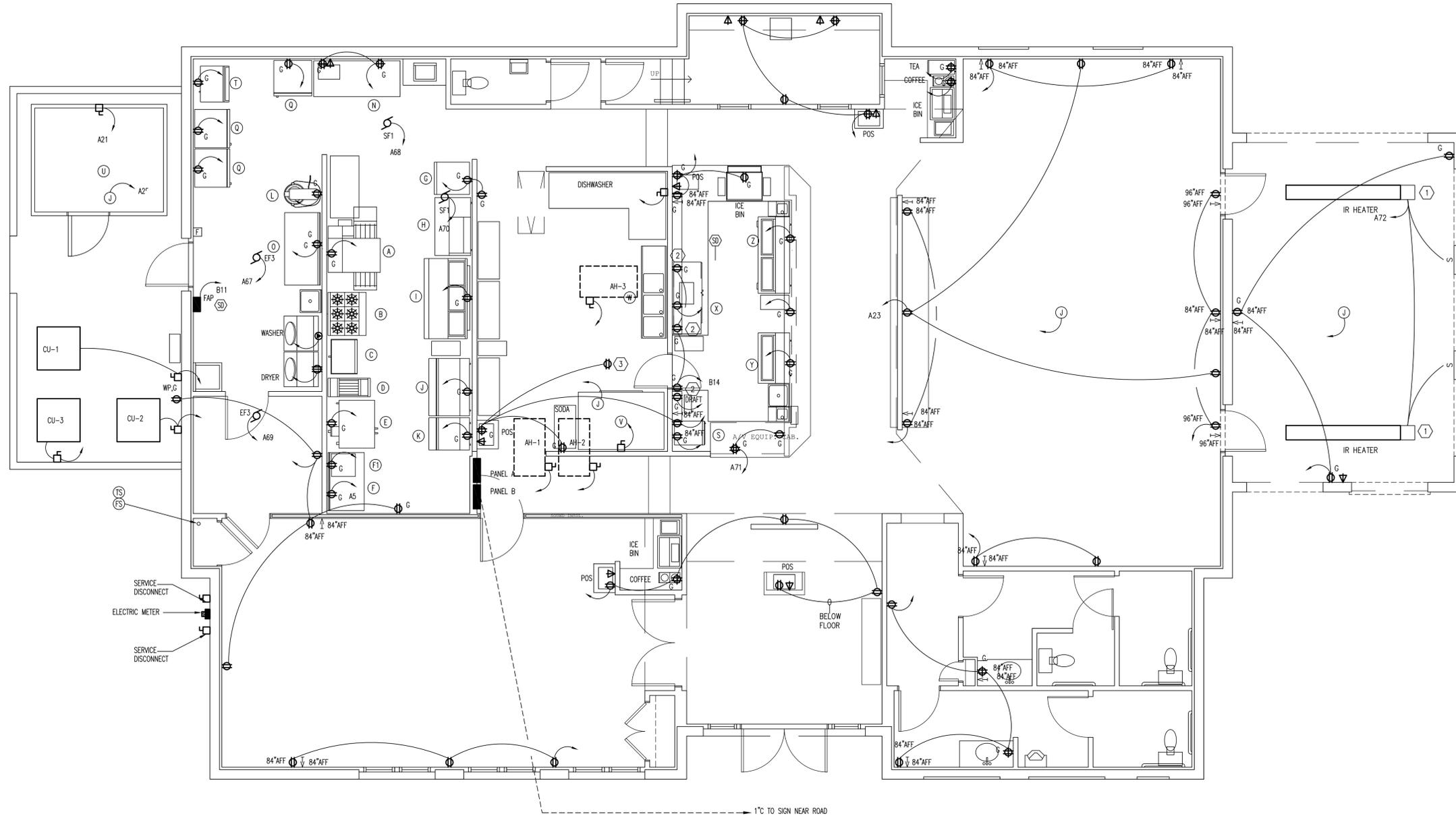
⊕	RECEPTACLE, DUPLEX, WALL MTD 16" AFF TO BOTTOM	Ⓜ	MOTOR	⊗	EXIT LIGHT, WITH BATTERY PACK. WALL/CEILING MOUNTED
⊕	RECEPTACLE, DUPLEX, WALL MTD COORD HEIGHT WITH CASEWORK/COUNTER	TTB	TELEPHONE TERMINAL BOARD	WL	WATER LINE
⊕WP	RECEPTACLE, DUPLEX, WEATHERPROOF	TVTB	TELEVISION TERMINAL BOARD	—H—	GROUND ROD
⊕G	RECEPTACLE, DUPLEX, GROUND FAULT INTERRUPTER	Ⓜ	TELEVISION OUTLET	Ⓢ	CIRCUIT BREAKER
⊕	RECEPTACLE, 240V, 3 WIRE, RATING NOTED	—	CONDUIT DOWN	AH	AIR HANDLING UNIT
⊕	RECEPTACLE, QUAD, WALL MTD 16" AFF TO BOTTOM	—	CONDUIT UP	WH	WATER HEATER
Ⓜ	TELEPHONE/DATA OUTLET	Ⓜ	THERMOSTAT	EM	EMERGENCY
S, \$	SWITCH, 125V, 20A, WALL MOUNTED	Ⓜ	TEMPERATURE SENSOR	WP	WEATHER PROOF
S <sub>3</sub>	THREE WAY SWITCH, WALL MOUNTED	FAP	FIRE ALARM PANEL	AFF	ABOVE FINISHED FLOOR
S <sub>M</sub>	SWITCH - MOTOR RATED	F	FIRE ALARM INITIATOR STATION	DP	DIMMER PANEL
S <sub>D</sub>	SWITCH - DIMMER CONTROL	Ⓜ	SMOKE DETECTOR, CEILING MOUNTED	T/C	TIME CLOCK
		Ⓜ	SMOKE DETECTOR, DUCT MOUNTED	P/C	PHOTO CONTROL
				EF	EXHAUST FAN

**SURGE SUPPRESSER SPECIFICATIONS**

- A. COMPLIES WITH UL 1449 CLAMPING DOCUMENTATION AND CATEGORY C3 TEST RESULTS.
- B. FOR 1-PHASE, 3-WIRE WYE CONFIGURATIONS, SUPPRESSORS SHALL PROVIDE SUPPRESSION ELEMENTS BETWEEN ALL PHASES AND EACH PHASE CONDUCTOR AND THE SYSTEM NEUTRAL, AND BETWEEN EACH PHASE AND GROUND. AN ADDITIONAL SUPPRESSION ELEMENT IS REQUIRED BETWEEN THE SYSTEM NEUTRAL AND THE ELECTRICAL GROUNDING CONDUCTOR PROVIDING A TOTAL OF (6) SUPPRESSION ELEMENTS.
- C. CONDUCTORS BETWEEN SUPPRESSOR AND POINT OF ATTACHMENT TO THE PANEL BOARD SHALL BE KEPT AS SHORT AND STRAIGHT AS POSSIBLE.
- D. NEMA 3R ENCLOSURE FOR OUTDOOR INSTALLATION.
- E. SERVICE PANEL: MAX IMPULSE CURRENT: 80,000 A  
PULSE LIFE RATING: 10,000 A, 100 OCCURENCES  
BRANCH PANEL: MAX IMPULSE CURRENT: 30,000 A  
PULSE LIFE RATING: 1,000 A, 100 OCCURENCES  
5,000 A, 50 OCCURENCES
- F. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

**POWER NOTES**

- 1. HEATER DESCRIPTION.
- 2. INSTALL HIGH ON WALL PER OWNER'S INSTRUCTION (FOR INTERIOR SIGN LIGHTING).
- 3. IN ATTIC NEAR AIR HANDLERS.



1 FLOOR PLAN - POWER  
E101 SCALE: 1/4" = 1'-0"

Ⓜ ON PIV SEE SITE UTILITY PLAN.



**GENERAL NOTE:**  
DRAWINGS ARE SCHEMATIC. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL DEVICE LOCATIONS AND INTERCONNECT ROUTING WITH ARCHITECTURAL AND STRUCTURAL CONFIGURATIONS AND REQUIREMENTS.

Revision:

**SMITH and VANDENBULCK**  
ENGINEERING and LANDSCAPE ARCHITECTURE  
A DIVISION OF SAY ENGINEERING, INC.  
5 OGLETHORPE PROFESSIONAL BOULEVARD, SUITE 130  
SAVANNAH, GEORGIA 31406  
PHONE: 912-354-5249 FACSIMILE: 912-352-8429

Seal:  
PROGRESS SET  
05/04/10

Project:  
HILTON HEAD PIZZA COMPANY  
LOT 29 MAIN STREET  
HILTON HEAD ISLAND, SOUTH CAROLINA  
Drawing Name:  
FLOOR PLAN - POWER

PROJECT NO. 2010-007  
DATE 05/04/10  
DRAWN BY ESM  
CHECKED BY KSj  
DRAWING NO.

E101

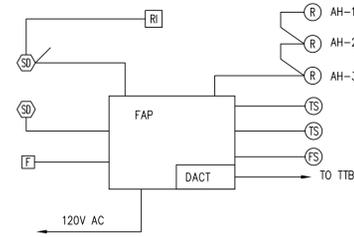
SHEET NO. of

LIGHTING NOTES

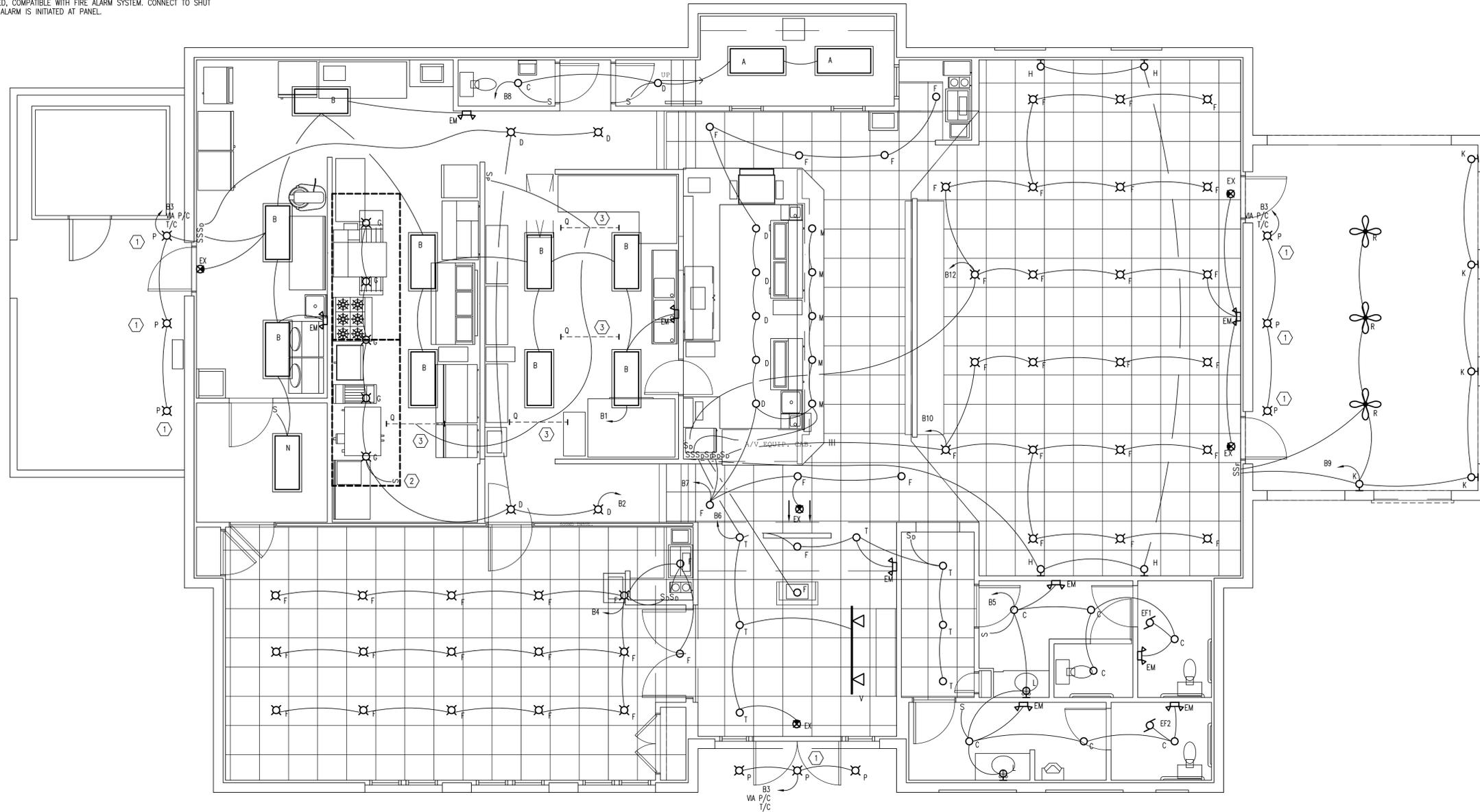
- COORDINATE FIXTURE LOCATION WITH DECORATIVE SOFFIT.
- SWITCH ON HOOD FACE.
- LOCATED IN ATTIC. INSTALL FOR MINIMUM SHADOWING BY DUCT WORK.

FIRE ALARM SPECIFICATIONS

- FIRE ALARM PANEL, CLASS 'B' TWO-WIRE, FULLY SUPERVISED WITH 24-HOUR BATTERY BACK-UP, WALL SURFACE MOUNTED, INCLUDING POWER SUPPLY TO SERVICE CONTROL PANEL MODULES, ALARM SIGNAL DEVICES AND DIGITAL COMMUNICATOR. ZONES WITH ALARM AND TROUBLE INDICATION PER ZONE. ALARM CONDITION SHALL SHUT DOWN A/C UNITS.
- COORDINATE WITH OWNER FOR SELECTION OF ALARM MONITORING AGENCY AND PROGRAMMING OF DIGITAL COMMUNICATOR.
- SMOKE DETECTOR, DUCT MOUNTED, PHOTOELECTRIC DETECTORS WITH DUCT SAMPLING TUBE EXTENDING WIDTH OF DUCT, AUXILIARY SPDT RELAY CONTACT. TWO-WIRE DETECTOR WITH COMMON POWER SUPPLY AND SIGNAL CIRCUIT.
- REMOTE INDICATOR, WALL OR CEILING MOUNTED, WITH NORMAL/RESET/TEST SWITCH AND INDICATOR LIGHT WHICH OPERATES WHEN DUCT SMOKE DETECTOR IS IN ALARM MODE.
- MANUAL INITIATOR STATION, SEMI-FLUSH MOUNTED, DOUBLE ACTION NO-BREAK GLASS TYPE, RED FINISH.
- IF REQUIRED: ALARM HORN WITH STROBE: MINIMUM 90 dB AT 10' (65 dB AT 150') MINIMUM 15 CANDELA STROBE, FLASH RATE APPROXIMATELY 1/SECOND. WHITE STROBE LENS WITH RED LETTERED 'FIRE'. PAINT HOUSING TO MATCH WALL. MOUNT 84" AFF.
- IF REQUIRED: STROBE: MIN 15 CANDELA, FLASH RATE APPROXIMATELY 1/SECOND, WHITE LENS, RED LETTERED, 'FIRE'. MOUNT 80" AFF.
- SHUTDOWN RELAY: SUPERVISED, COMPATIBLE WITH FIRE ALARM SYSTEM. CONNECT TO SHUT DOWN AIR HANDLERS WHEN ALARM IS INITIATED AT PANEL.



A FIRE ALARM RISER DIAGRAM  
E102 SCALE: NTS



1 FLOOR PLAN - LIGHTING  
E102 SCALE: 1/4" = 1'-0"



GENERAL NOTE:

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Revision:

**SMITH and VANDENBULCK**  
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5 OGLETHORPE PROFESSIONAL BOULEVARD, SUITE 130  
SAVANNAH, GEORGIA 31406  
PHONE: 912-354-5249 FACSIMILE: 912-352-8429

Seal:  
PROGRESS SET  
05/04/10

Project:  
HILTON HEAD PIZZA COMPANY  
LOT 29 MAIN STREET  
HILTON HEAD ISLAND, SOUTH CAROLINA  
Drawing Name:  
FLOOR PLAN - LIGHTING

PROJECT NO. 2010-007

DATE 05/04/10

DRAWN BY ESM

CHECKED BY KSj

DRAWING NO.

E102

SHEET NO.

of

PANEL A  
 120/240 V, 2 P, 3 W, S/N, 400 A MLD  
 FLUSH MOUNTING, 84 TOTAL SPACES, 1 SECTIONS

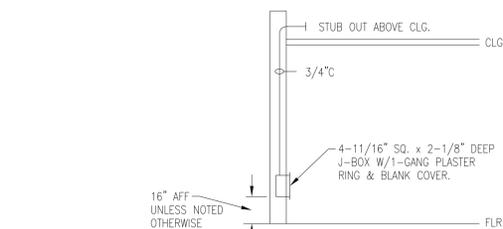
MCB A. I. C. - 10,000  
 BRANCH CB A. I. C. - 10,000  
 MINIMUM SERIES-RATED

C. B. NO.	POLES	TRIP AMPS	LOAD KVA	DESCRIPTION	C. B. NO.	POLES	TRIP AMPS	LOAD KVA	DESCRIPTION
1	1	20	1.0	(A) PIZZA OVEN	2	1	20	1.0	(G) REFRIGERATOR
3	1	20	1.2	(E) CONVECTION OVEN	4	1	20	0.8	(I) PREP TABLE
5	1	20	0.7	(F) FREEZER	6	1	20	1.1	(J) PREP TABLE
7	2	20	2.6	(FI) GRILLE	8	1	20	0.6	(K) PREP TABLE
9	-	-	-	↓	10	1	20	0.4	RECEPTACLES - KITCHEN
11	1	20	0.7	(O) FREEZER	12	1	20	1.6	(L) MIXER
13	1	20	1.9	(T) ICE MAKER	14	1	20	0.6	(O) REFRIGERATOR
15	1	20	-	SPARE	16	1	20	1.5	WASHER
17	1	20	0.7	(O) FREEZER	18	2	30	5.0	DRYER
19	1	20	0.7	(O) FREEZER	20	-	-	-	↓
21	2	30	4.1	(U) WIC	22	1	20	1.6	(V) PREP TABLE
23	-	-	-	↓	24	1	20	1.6	(V) PREP TABLE
25	1	20	0.5	(U) WIC	26	1	20	-	SPARE
27	1	20	-	SPARE	28	1	20	-	SPARE
29	1	20	1.0	(X) UNDER BAR REFRIGERATOR	30	1	20	1.2	DISHWASHER
31	1	20	0.9	(Y) UNDER BAR CHILLER	32	1	20	-	SPARE
33	1	20	1.0	(Z) UNDER BAR BOTTLE COOLER	34	1	20	-	SPARE
35	1	20	1.0	(Z) UNDER BAR BOTTLE COOLER	36	1	20	-	SPARE
37	1	20	-	SPARE	38	1	20	-	SPARE
39	1	20	-	SPARE	40	1	20	-	SPARE
41	1	20	0.5	DRAFT	42	1	20	-	SPARE
43	1	20	0.3	(S) GLASS DOOR REFRIGERATOR	44	1	20	-	SPARE
45	1	20	1.5	(J) DINING PROJECTOR	46	1	20	-	SPARE
47	1	20	-	SPARE	48	1	20	-	SPARE
49	1	20	-	SPARE	50	1	20	-	SPARE
51	2	60	11.5	AH-1 WITH 10KW STRIP HEAT	52	2	50	8.2	CU-1
53	-	-	-	↓	54	-	-	-	↓
55	2	60	11.5	AH-2 WITH 10KW STRIP HEAT	56	2	50	8.2	CU-2
57	-	-	-	↓	58	-	-	-	↓
59	2	60	11.5	AH-3 WITH 10KW STRIP HEAT	60	2	50	8.2	CU-3
61	-	-	-	↓	62	-	-	-	↓
63	1	20	1.7	TEA MAKER	64	1	20	-	SPARE
65	1	20	1.7	COFFEE MAKER	66	1	20	-	SPARE
67	1	20	1.6	EF3 - HOOD	68	1	20	1.2	SF1 - HOOD
69	1	20	1.6	EF3 - HOOD	70	1	20	1.2	SF1 - HOOD
71	1	20	1.0	A/V EQUIPMENT	72	1	20	0.6	IR HEATERS - PORCH
73	1	20	-	SPARE	74	1	20	-	SPARE
75	1	20	-	SPARE	76	1	20	-	SPARE
77	1	20	-	SPARE	78	1	20	-	SPARE
79	1	20	-	SPARE	80	1	20	-	SPARE
81	1	20	-	SPARE	82	2	20	-	SURGE SUPPRESSOR
83	1	20	-	SPARE	84	-	-	-	↓

PANEL B  
 120/240 V, 2 P, 3 W, S/N, 200 A MLD  
 FLUSH MOUNTING, 42 TOTAL SPACES, 1 SECTIONS

MCB A. I. C. - 10,000  
 BRANCH CB A. I. C. - 10,000  
 MINIMUM SERIES-RATED

C. B. NO.	POLES	TRIP AMPS	LOAD KVA	DESCRIPTION	C. B. NO.	POLES	TRIP AMPS	LOAD KVA	DESCRIPTION
1	1	20	1.5	LIGHTING - KITCHEN, ATTIC	2	1	20	1.2	LIGHTING - KITCHEN, HOOD
3	1	20	0.3	LIGHTING - EXTERIOR VIA P/C AND T/C	4	1	20	1.7	LIGHTING - BANQUET
5	1	20	1.3	LIGHTING - TOILETS	6	1	20	1.1	LIGHTING - LOBBY
7	1	20	1.5	LIGHTING - BAR	8	1	20	0.6	LIGHTING - OFFICE, TOILET
9	1	20	0.8	LIGHTING - PATIO & FANS	10	1	20	1.1	LIGHTING - DINING
11	1	20	0.3	FAP	12	1	20	1.0	LIGHTING - DINING
13	1	20	1.6	LIGHTING - ABOVE BAR	14	1	20	1.5	LIGHTING - SIGN VIA P/C AND T/C
15	1	20	0.8	RECEPTACLES - BANQUET, POS, LOBBY	16	1	20	1.0	RECEPTACLES - TOILETS
17	1	20	0.8	RECEPTACLES - OFFICE, POS	18	1	20	1.0	RECEPTACLES - TV, POS
19	1	20	1.5	PATIO PROJECTOR	20	1	20	1.0	RECEPTACLES - TV
21	1	20	1.0	RECEPTACLES - TV, PATIO	22	1	20	1.0	RECEPTACLES - TV, DINING
23	1	20	0.6	RECEPTACLES - DINING	24	1	20	1.0	RECEPTACLES - TV, DINING
25	1	20	1.0	RECEPTACLES - STORAGE, BANQUET	26	1	20	1.0	RECEPTACLES - TV, DINING
27	1	20	0.6	RECEPTACLES - BANQUET	28	1	20	1.0	RECEPTACLES - TV, DINING
29	1	20	-	SPARE	30	1	20	-	SPARE
31	1	20	-	SPARE	32	1	20	-	SPARE
33	1	20	-	SPARE	34	1	20	-	SPARE
35	1	20	-	SPARE	36	1	20	-	SPARE
37	1	20	-	SPARE	38	1	20	-	SPARE
39	1	20	-	SPARE	40	2	20	-	SURGE SUPPRESSOR
41	1	20	-	SPARE	42	-	-	-	↓



A  
E201  
TELEPHONE/DATA/COMM. OUTLET INSTALLATION DETAIL  
SCALE: NTS

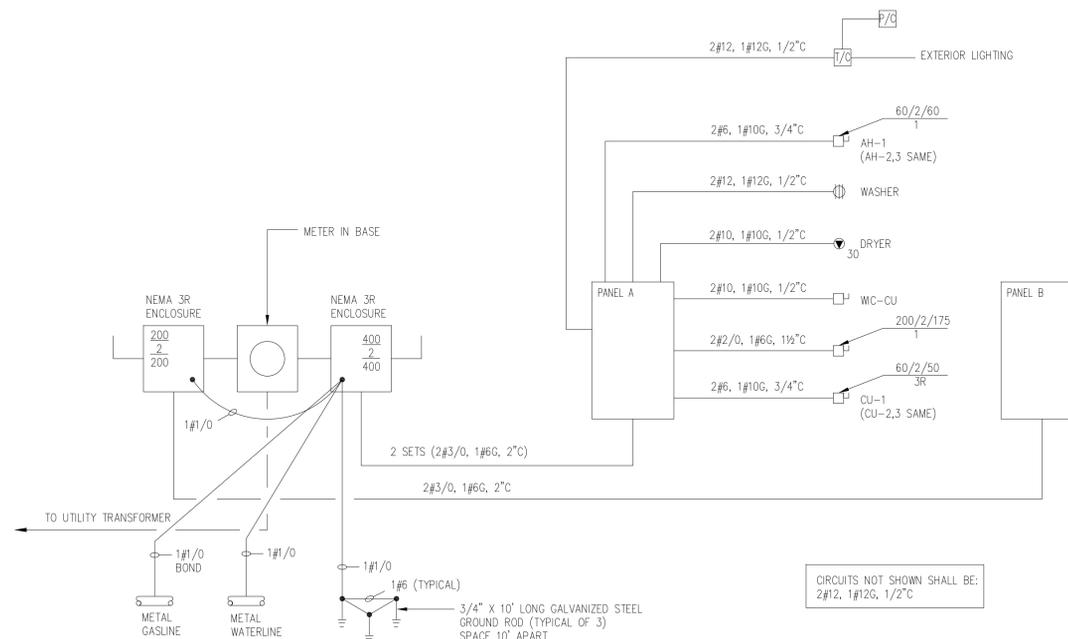
LUMINAIRE SCHEDULE

SYM	NO. OF LAMPS	WATTS	VOLTS	TYPE LAMP	MOUNTING	TYPE LENS	MFG. & CAT. NO.	REMARKS
A	4	32	120	F32T8	SURFACE CEILING	WRAP AROUND ACRYLIC	LITHONIA LB432GEB10IS	1,3,4
B	3	32	120	F32T8	SURFACE CEILING	WRAP AROUND ACRYLIC	LITHONIA LB332GEB10IS	1,3,4
C	1	150	120	A21	RECESSED CEILING	CLEAR OPEN	GOTHAM A 6AR	5
D	1	100	120	A19	RECESSED CEILING	CLEAR OPEN	GOTHAM A 4AR	5
EM	2	9	120/6	MR24	SURFACE WALL/CEILING	LAMP FACE	LITHONIA ELM6T8	2,6
EX	MANY	6	120/6	GREEN LED	SURFACE WALL/CEILING	SINGLE FACE GREEN "EXIT" SIGN	LITHONIA LS S W 1 G EL N	2,6
F	1	100	120	A19	RECESSED T-GRID CEILING	CLEAR OPEN	GOTHAM A 6AR	5
G	1	150	120	A21	SURFACE HOOD	VAPORITITE CLEAR GLASS	SUPPLIED WITH COOKLINE HOOD	-
H	1	60	120	A19	SURFACE WALL SCENCE	ACRYLIC	TO BE SELECTED BY OWNER/ARCHITECT	-
K	1	60	120	A19	SURFACE WALL SCENCE	ACRYLIC	TO BE SELECTED BY OWNER/ARCHITECT	-
L	2	17	120	F17T8	SURFACE WALL ABOVE LAV.	WRAP AROUND ACRYLIC	TO BE SELECTED BY OWNER/ARCHITECT	-
M	1	60	120	A19	CEILING SURFACE PENDANT	GLASS	TO BE SELECTED BY OWNER/ARCHITECT	-
N	3	32	120	F32T8	SURFACE CEILING	WRAP AROUND ACRYLIC	LITHONIA LB332GEB10IS	1,4
P	1	26	120	F26DTT	RECESSED SOFFIT	OPEN	PRESCOLITE LFC6V 26 EB 6CFV	1,7,8
Q	2	32	120	F32T8	SURFACE ROOF TRUSS	NONE	LITHONIA C232GEB10IS	1,4
R	-	-	120	-	SURFACE CEILING	NONE	TO BE SELECTED BY OWNER/ARCHITECT	-
T	1	50	120	PAR30	RECESSED CEILING	EYEBALL	HALO E1700AT-ER1700	-
V	3	30	120	MR16	T-GRID CEILING SURFACE	6' TRACK WITH 3 LIGHTS	TO BE SELECTED BY OWNER/ARCHITECT	-

- NOTES:
- ELECTRONIC BALLAST.
  - EMERGENCY BATTERY PACK.
  - FIXTURES MARKED "EM" SHALL HAVE EMERGENCY BATTERY PACK TO PRODUCE 1100 LUMENS FOR MIN 90 MINUTES.
  - EQUALS BY HOLOPHANE, COLUMBIA, LIGHTOLIER AND HUBBELL.
  - EQUALS BY HALO, HOLOPHANE, LIGHTOLIER, AND PRESCOLITE.
  - EQUALS BY DUAL-LITE, SAFE-LITE, HOLOPHANE AND LIGHTOLIER.
  - DAMP LOCATION RATED.
  - EQUALS BY HALO, HOLOPHANE, LIGHTOLIER, AND GOTHAM.

ELECTRICAL LOAD SUMMARY

LOAD TYPE	CONNECTED (kva)	DEMAND (kva)
LIGHTING	15.2	15.2
AIR CONDITIONING	29.1	29.1
HEATING	30.6	15.3
WATER HEATER	-	-
MISC. POWER	60.9	35.5
COOKING	-	-
TOTAL	135.8	95.1



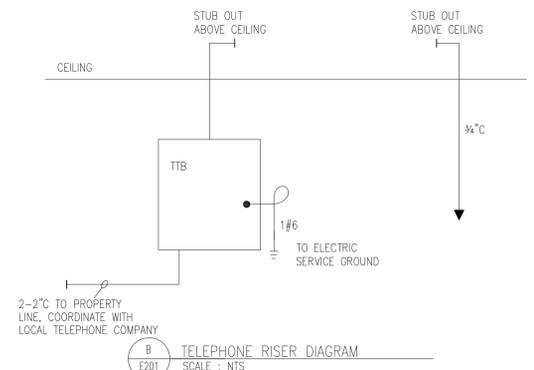
C  
E201  
POWER RISER DIAGRAM  
SCALE: NTS

EQUIPMENT LIST

SYM	DESCRIPTION	ELECTRICAL				GAS		PLUMBING			
		V	Ø	A	W	HP	SIZE	BTUH	H	C	WASTE
A	PIZZA OVEN	120	1	8	1000	-	1/2"	156,000	-	-	-
B	36"W RANGE	-	-	-	-	-	3/4"	227,000	-	-	-
C	GRIDDLE	-	-	-	-	-	3/4"	40,000	-	-	-
D	FRYER	-	-	-	-	-	3/4"	105,000	-	-	-
E	CONVECTION OVEN	120	1	9	-	1/2	3/4"	44,000	-	-	-
F	WORKTOP FREEZER	115	1	6.1	-	1/4	-	-	-	-	-
F-1	GRILL	240	1	11.2	2670	-	-	-	-	-	-
G	REFRIGERATOR	115	1	7.6	-	-	-	-	-	-	-
H	ROLL TABLE	-	-	-	-	-	-	-	-	-	-
I	PREP TABLE	115	1	6.3	-	-	-	-	-	-	-
J	PREP TABLE	115	1	8.6	-	-	-	-	-	-	-
K	PREP TABLE	115	1	4.9	-	-	-	-	-	-	-
L	FLOOR MIXER	120	1	9.5	-	3/4	-	-	-	-	-
N	PREP TABLE	-	-	-	-	-	-	-	-	-	-
O	WORKTOP REFRIGERATOR	115	1	5.1	-	-	-	-	-	-	-
Q	FREEZER	115	1	5.5	-	1/3	-	-	-	-	-
S	GLASS DOOR REFRIGERATOR	120	1	2.4	-	-	-	-	-	-	-
T	ICE MAKER	120	1	16	-	-	-	-	-	1/2"	-
U	WALK-IN COOLER	240	1	17.1	-	1-1/2	-	-	-	-	-
V	WALK-IN COOLER	115	1	13.3	-	5/8	-	-	-	-	-
		115	1	16.1	-	-	-	-	-	-	-
W	3 COMPARTMENT SINK	-	-	-	-	-	-	-	1/2"	1/2"	2"
X	UNDERBAR REFRIGERATOR	115	1	7.7	-	-	-	-	-	-	-
Y	UNDERBAR CHILLER	115	1	6.8	-	-	-	-	-	-	-
Z	UNDERBAR BOTTLE COOLER	115	1	8.7	-	-	-	-	-	-	-
-	MOP SINK	-	-	-	-	-	-	-	1/2"	1/2"	2"
-	HAND SINK	-	-	-	-	-	-	-	1/2"	1/2"	1-1/2"
-	ICE BIN	-	-	-	-	-	-	-	-	-	1"
-	ICE BIN	-	-	-	-	-	-	-	-	-	1"
-	ICE TEA BREWER	120	1	14.4	1730	-	-	-	-	-	-
-	COFFEE BREWER	120	1	13.9	-	-	-	-	-	-	-
-	DISHWASHER	115	1	-	1125	1.5	-	-	1/2"	-	2"
-	SODA DISPENSER	115	1	20	-	-	-	-	1/2"	3" ID	-

ELECTRICAL SPECIFICATION NOTES

- ALL WORK SHALL CONFORM TO LOCAL CODES AND ORDINANCES.
- CONDUCTORS: COPPER WITH THW OR THWN INSULATION UNLESS OTHERWISE NOTED.
- WIRE METHODS: THW OR THWN IN CONDUIT. TYPE 'MC' CABLE MAY BE USED WHERE CONCEALED.
- RACEWAYS: ABOVE SLAB OR GRADE: INTERIOR: EMT WITH STEEL COMPRESSION OR SET SCREW FITTING. EXTERIOR: EMT WITH STEEL COMPRESSION FITTINGS AND SEALTITE WITH COMPATIBLE FITTINGS.
- RACEWAYS BELOW SLAB OR GRADE: SCHEDULE 40 PVC WITH SOLVENT WELD JOINTS AND FITTINGS. USE GALVANIZED STEEL ELBOWS ON 1-1/2" AND LARGER CONDUIT.
- PROVIDE GROUNDING CONDUCTORS IN ALL CONDUIT AND CABLES.
- DEVICES SHALL BE SPECIFICATION GRADE. COLOR TO BE SELECTED. DEVICE COVER PLATES SHALL BE SMOOTH PLASTIC TO MATCH DEVICE COLOR.
- DISCONNECT SWITCHES: OUTDOOR: NEMA 3R, HEAVY DUTY RATINGS AS NOTED. INDOOR: GENERAL DUTY NEMA 1, RATINGS AS NOTED.
- PANELBOARDS: INDOOR: NEMA 1 WITH PLATED ALUMINUM OR COPPER BUSES ARRANGED FOR DISTRIBUTED PHASE CONNECTIONS, FULL NEUTRAL BUS, ISOLATED GROUND BAR, PLUG-IN BRANCH AUTOMATIC CIRCUIT BREAKERS, BOLT-ON MAIN AUTOMATIC CIRCUIT BREAKERS. QUANTITY, POLES, TRIP RATING SHOWN.
- LUMINAIRES SHALL BE SUPPLIED COMPLETE WITH LAMPS AND ALL NECESSARY HANGERS, HARDWARE AND TRIM.
- INSTALL TYPEWRITTEN CIRCUIT DIRECTORY ON EACH PANELBOARD COVER INTERIOR SHOWING THE "AS WIRED" CONDITION, AFTER WIRING IS COMPLETE.
- IF EQUIPMENT SELECTED REQUIRES SPECIAL CIRCUIT BREAKER, FUSE PROTECTION, OR WIRE SIZE OTHER THAN SHOWN, CONTRACTOR SHALL SUPPLY AND INSTALL IT.
- EQUIPMENT CONNECTIONS SHALL BE MADE WITH SHORT SECTION OF FLEXIBLE CONDUIT (SEALTITE IN EXTERIOR LOCATIONS) USING COMPATIBLE FITTINGS.
- JUNCTION AND OUTLET BOXES: A. INTERIOR: GALVANIZED STEEL. B. EXTERIOR: CAST ALLOY
- NOTIFY THE UTILITIES PROTECTION CENTER AT LEAST THREE BUSINESS DAYS PRIOR TO BEGINNING: A. EARTH EXCAVATION OR DIGGING WORK. B. WORK WHICH POTENTIALLY COMES WITHIN 10' OF ANY OVERHEAD HIGH VOLTAGE LINE.
- NOTIFY ALL RESPECTIVE UTILITY COMPANY(ES) WHOSE LINES ARE ROUTED THROUGH, CONNECTED TO, OR ARE IN 10' PROXIMITY OF CONSTRUCTION SITE.
- COORDINATE WITH UTILITY COMPANY AS REQUIRED FOR SERVICE CONNECTION AND METER LOCATION.



B  
E201  
TELEPHONE RISER DIAGRAM  
SCALE: NTS

Revision:

SMITH and VANDENBULCK  
 ENGINEERING and LANDSCAPE ARCHITECTURE  
 A DIVISION OF SAV ENGINEERING, INC.  
 5 OGLETHORPE PROFESSIONAL BOULEVARD, SUITE 130  
 SAVANNAH, GEORGIA 31406  
 PHONE: 912-354-5249 FACSIMILE: 912-352-8429

PROGRESS SET  
 05/04/10

HILTON HEAD PIZZA COMPANY  
 LOT 29 MAIN STREET  
 HILTON HEAD ISLAND, SOUTH CAROLINA  
 Drawing Name: DETAILS, SCHEDULES AND RISERS - ELECTRICAL

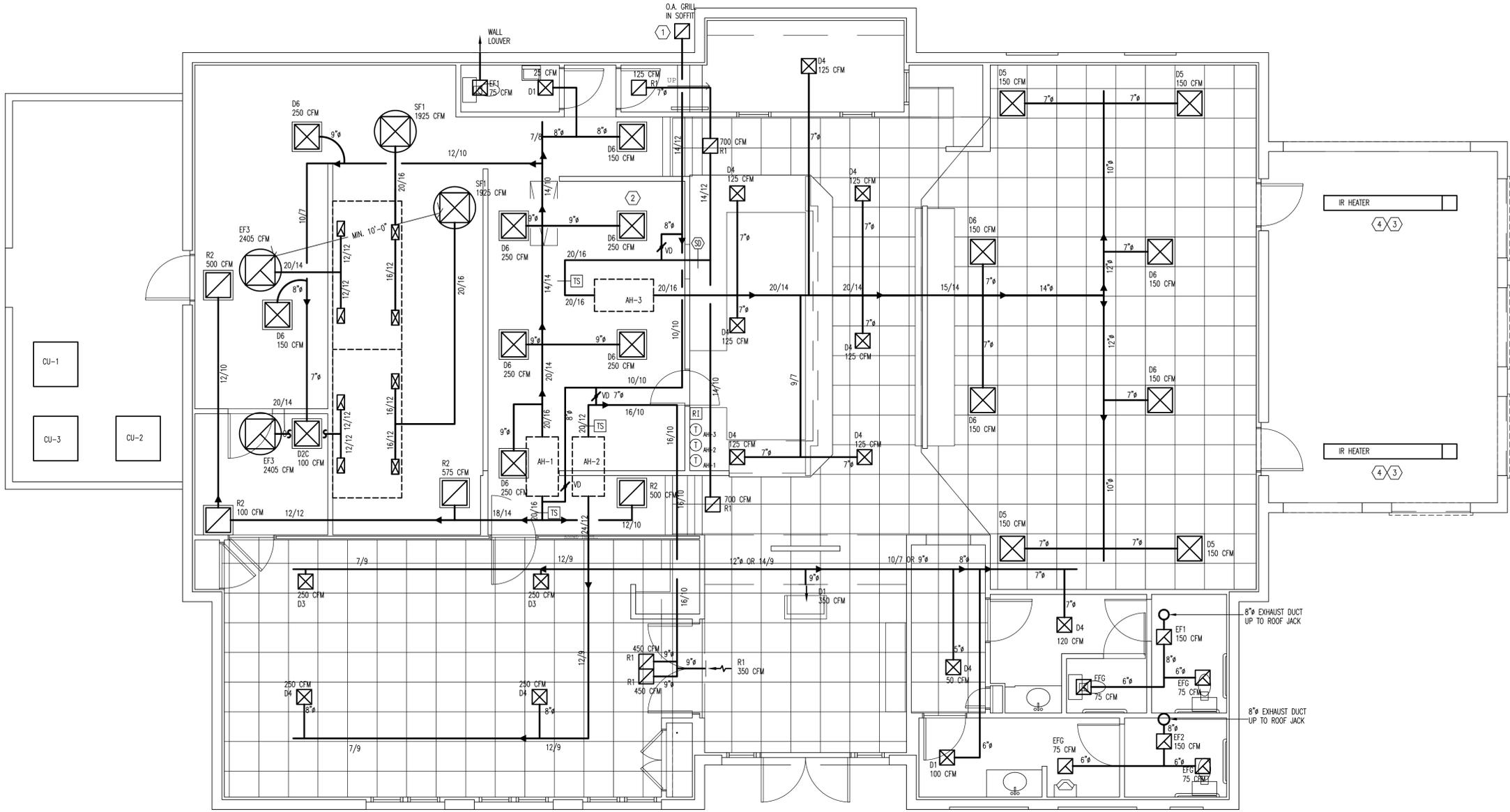
PROJECT NO. 2010-007  
 DATE 05/04/10  
 DRAWN BY ESM  
 CHECKED BY KSj

DRAWING NO. E201

SHEET NO. - of -

- MECHANICAL LEGEND**
- ☒ AIR RETURN DUCT/GRILLE
  - ☒ AIR SUPPLY DUCT/DIFFUSER
  - ☒ EXHAUST FAN DUCT/GRILLE
  - ☒ ROOF MOUNTED EXHAUST FAN
  - ⊖ THERMOSTAT
  - ⊖ TS REMOTE TEMPERATURE SENSOR
  - ⊖ FLEXIBLE DUCT
  - AIR FLOW DIRECTION
  - DUCT SIZE TRANSITION
  - ∅ ROUND DUCT, SIZE NOTED.
  - RAG RETURN AIR GRILLE
  - SAG SUPPLY AIR GRILLE
  - RA RETURN AIR
  - SA SUPPLY AIR
  - A/C AIR CONDITIONING SYSTEM
  - AHU AIR HANDLING UNIT
  - AH AIR HANDLER
  - CU CONDENSING UNIT/OR COMPRESSOR UNIT
  - EF EXHAUST FAN
  - CFM CUBIC FEET PER MINUTE
  - OA OUTSIDE AIR
  - SP STATIC PRESSURE
  - ⊖ SD DUCT MOUNTED SMOKE DETECTOR
  - ⊖ RI REMOVE INDICATOR, AUDIBLE AND VISIBLE ALARM, TEST AND RESET SWITCH.

- HVAC NOTES**
1. COORDINATE OUTSIDE AIR GRILLE LOCATION WITH DECORATIVE SOFFIT. INSTALL IN SOFFIT.
  2. DISHWASHER IS CHEMICAL SANITATION STYLE AND DOES NOT REQUIRE HOOD.
  3. OWNER-FURNISHED INFRARED GAS-FIRED HEATER INSTALLED NEAR CEILING.
  4. COORDINATE LOCATION WITH CEILING FANS. SEE SHEET E201.
  5. COORDINATE LOCATION OF A/C SYSTEMS' CONTROLLERS AND AH-3 REMOTE INDICATOR.



1 FLOOR PLAN - HVAC  
M101 SCALE: 1/4" = 1'-0"



**GENERAL NOTE:**  
DRAWINGS ARE SCHEMATIC. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL DEVICE LOCATIONS AND INTERCONNECT ROUTING WITH ARCHITECTURAL AND STRUCTURAL CONFIGURATIONS AND REQUIREMENTS.

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Seal:  
PROGRESS SET  
05/04/10

Project:  
HILTON HEAD PIZZA COMPANY  
LOT 29 MAIN STREET  
HILTON HEAD ISLAND, SOUTH CAROLINA  
Drawing Name:  
FLOOR PLAN - HVAC

PROJECT NO. 2010-007  
DATE 05/04/10  
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CHECKED BY KSj  
DRAWING NO.

M101  
SHEET NO. of

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**AIR CONDITIONING EQUIPMENT SCHEDULE**

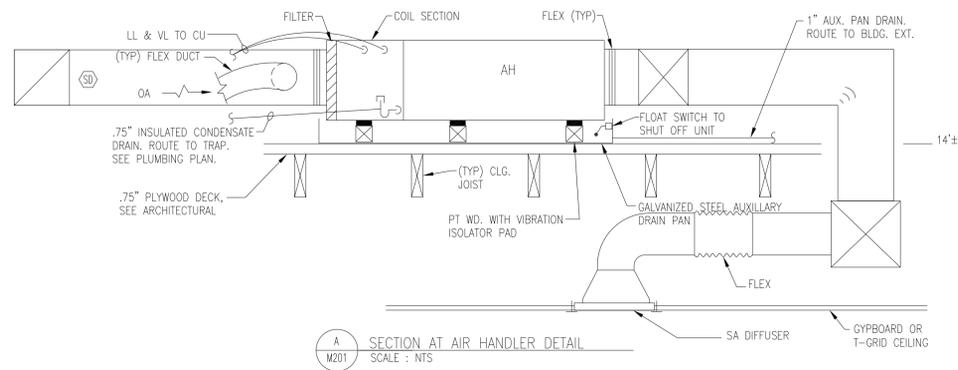
UNIT NO.	NOMINAL COOLING TONS (T)	MIN. SEER	INDOOR FAN		OA CFM	SYS ESP IN WC	COOLING			HEATING			ELECTRICAL			NOM WT LBS	DESIGN BASIS MFR & MODEL #	NOTES		
			CFM	HP			TOTAL MBH	SENS MBH	STGS	MIN COP	HSPF	HEATING REV CYC MBH	AUX. STRIP KW	HEAT STGS	VOLTS				PH	MCA
AH-1	5	13	1925	3/4	300	0.6	59.5	44.89	1	3.74	8.8	60.0	10	240	1	53.8	60	207	CARRIER #FV4BNF006	1
CU-1	-	-	-	-	-	-	-	-	-	-	-	-	-	240	1	34.1	50	299	CARRIER #25HCB360A0031	-
AH-2	4	13	1675	3/4	200	0.6	46.5	35.35	1	3.78	8.6	48.5	10	240	1	53.8	60	207	CARRIER #FV4BNF006	1
CU-2	-	-	-	-	-	-	-	-	-	-	-	-	-	240	1	35.4	50	299	CARRIER #25HCB360A0031	-
AH-3	5	13	2075	3/4	250	0.6	59.5	44.89	1	3.74	8.8	60.0	10	240	1	53.8	60	207	CARRIER #FV4BNF006	1
CU-3	-	-	-	-	-	-	-	-	-	-	-	-	-	240	1	34.1	50	299	CARRIER #25HCB360A0031	-

- NOTES:  
 1. CONTROLLER: THERMISTAT: CARRIER 33CS450, PROGRAMMABLE, HUMIDITY MODULE, AND REMOTE TEMPERATURE SENSOR.  
 2.  
 3.

**FAN SCHEDULE**

SYMB.	AREA SERVED	CFM	SP IN. H <sub>2</sub> O	RPM MAX.	DRIVE	WATTS (HP)	ELECT V/Ø/Hz	SONES	MOUNT	OPTIONS	CONTROL	MANUFACTURER MODEL
EF1	TOILET	150	0.25	1400	DIRECT	100	120/1/60	2.0	ABOVE CEILING	1,2	3	GREENHECK #CSP-A190
EF2	TOILET	150	0.25	1400	DIRECT	100	120/1/60	2.0	ABOVE CEILING	1,2	3	GREENHECK #CSP-A190
EF3	HOOD EXHAUST	2405	1	1010	BELT	(3/4)	120/1/60	13.7	ROOF CURB	1,2,4	5	GREENHECK #CUBE-180-7
SF1	HOOD SUPPLY	1925	0.5	708	DIRECT	(1/2)	120/1/60	15.7	ROOF CURB	1,2,4	5	GREENHECK #SAF-112

- NOTES:  
 1. BACKDRAFT DAMPER.  
 2. DISCONNECT SWITCH.  
 3. CONNECTED TO OPERATE WITH TOILET ROOM LIGHTING.  
 4. WITH SLOPE ADAPTER ON ROOF CURB.  
 5. HOOD SWITCH CONTROLS AND FIREX SYSTEM.

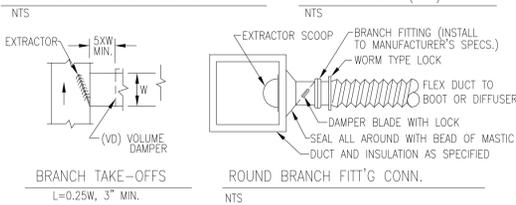
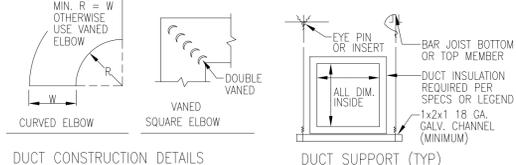
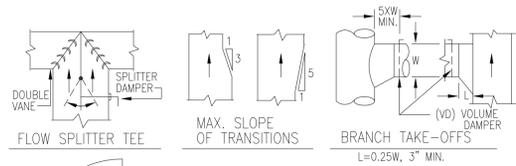


**AIR DISTRIBUTION SCHEDULE**

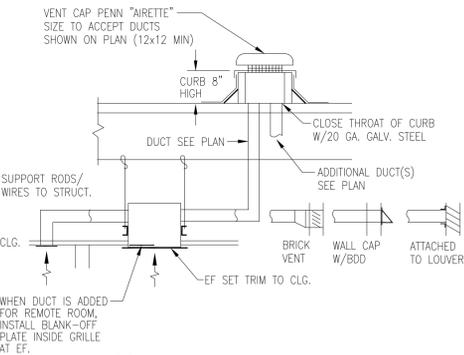
SYM	MANUFACTURER/ MODEL NUMBER	TYPE	SERVICE	DIRECTION	REMARKS
D1	PRICE AMD SERIES	SURFACE MOUNTED	SUPPLY	1-WAY	AMD/1/1S/B12 OPPOSED BLADE DAMPER AND EQUALIZING GRID
D2C	PRICE AMD SERIES	LAY-IN	SUPPLY	2-WAY	AMD/3P/2G/B12 OPPOSED BLADE DAMPER AND EQUALIZING GRID
D2H	PRICE AMD SERIES	LAY-IN	SUPPLY	2-WAY	AMD/3P/2S/B12 OPPOSED BLADE DAMPER AND EQUALIZING GRID
D3	PRICE AMD SERIES	SURFACE MOUNTED	SUPPLY	3-WAY	AMD/1/3A/B12 OPPOSED BLADE DAMPER AND EQUALIZING GRID
D4	PRICE AMD SERIES	SURFACE MOUNTED	SUPPLY	4-WAY	AMD/1/4A/B12 OPPOSED BLADE DAMPER AND EQUALIZING GRID
D5	PRICE AMD SERIES	LAY-IN	SUPPLY	3-WAY	AMD/3P/3A/B12 OPPOSED BLADE DAMPER AND EQUALIZING GRID
D6	PRICE AMD SERIES	LAY-IN	SUPPLY	4-WAY	AMD/3P/4A/B12 OPPOSED BLADE DAMPER AND EQUALIZING GRID
R1	PRICE 600 SERIES	SURFACE MOUNT ON CEILING	RETURN	-	635/F/L/Ø/B12 WITH OPPOSED BLADE DAMPER RETURN GRILLE
R2	PRICE 600 SERIES	SURFACE MOUNT ON T-GRID CEILING	RETURN	-	635/F/L/Ø/B12 WITH OPPOSED BLADE DAMPER RETURN GRILLE

**EQUIPMENT LIST**

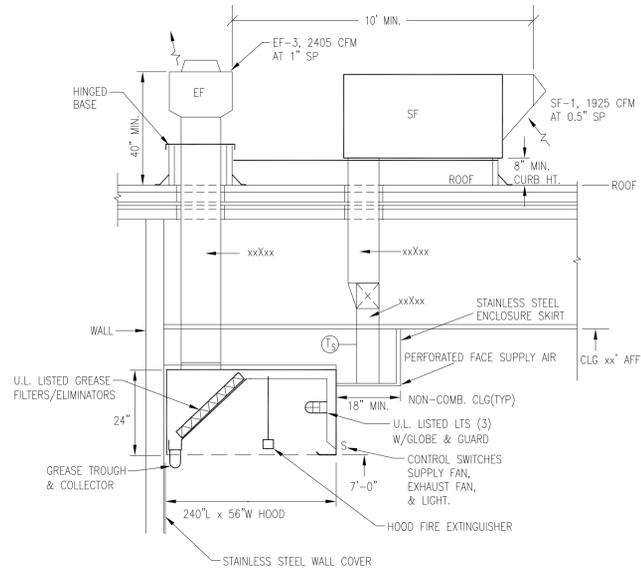
SYM	DESCRIPTION	ELECTRICAL			GAS		PLUMBING					
		V	Ø	A	W	HP	SIZE	BTUH	H	C	WASTE	
A	PIZZA OVEN	120	1	8	1000	-	1/2"	156,000	-	-	-	
B	36"W RANGE	-	-	-	-	-	3/4"	227,000	-	-	-	
C	GRIDDLE	-	-	-	-	-	3/4"	40,000	-	-	-	
D	FRYER	-	-	-	-	-	3/4"	105,000	-	-	-	
E	CONVECTION OVEN	120	1	9	-	1/2	3/4"	44,000	-	-	-	
F	WORKTOP FREEZER	115	1	6.1	-	1/4	-	-	-	-	-	
F-1	GRILL	240	1	11.2	2670	-	-	-	-	-	-	
G	REFRIGERATOR	115	1	7.6	-	-	-	-	-	-	-	
H	ROLL TABLE	-	-	-	-	-	-	-	-	-	-	
I	PREP TABLE	115	1	6.3	-	-	-	-	-	-	-	
J	PREP TABLE	115	1	8.6	-	-	-	-	-	-	-	
K	PREP TABLE	115	1	4.9	-	-	-	-	-	-	-	
L	FLOOR MIXER	120	1	9.5	-	3/4	-	-	-	-	-	
N	PREP TABLE	-	-	-	-	-	-	-	-	-	-	
O	WORKTOP REFRIGERATOR	115	1	5.1	-	-	-	-	-	-	-	
Q	FREEZER	115	1	5.5	-	1/3	-	-	-	-	-	
S	GLASS DOOR REFRIGERATOR	120	1	2.4	-	-	-	-	-	-	-	
T	ICE MAKER	120	1	16	-	-	-	-	-	1/2"	-	
U	WALK-IN COOLER	240	1	17.1	-	1-1/2	-	-	-	-	-	
V	WALK-IN COOLER	115	1	13.3	-	5/8	-	-	-	-	-	
W	3 COMPARTMENT SINK	-	-	-	-	-	-	-	-	1/2"	1/2"	2"
X	UNDERBAR REFRIGERATOR	115	1	7.7	-	-	-	-	-	-	-	-
Y	UNDERBAR CHILLER	115	1	6.8	-	-	-	-	-	-	-	-
Z	UNDERBAR BOTTLE COOLER	115	1	8.7	-	-	-	-	-	-	-	-
-	MOP SINK	-	-	-	-	-	-	-	-	1/2"	1/2"	2"
-	HAND SINK	-	-	-	-	-	-	-	-	1/2"	1/2"	1-1/2"
-	ICE BIN	-	-	-	-	-	-	-	-	-	-	1"
-	ICE BIN	-	-	-	-	-	-	-	-	-	-	1"
-	ICE TEA BREWER	120	1	14.4	1730	-	-	-	-	-	-	-
-	COFFEE BREWER	120	1	13.9	-	-	-	-	-	-	-	-
-	DISHWASHER	115	1	-	1125	1.5	-	-	-	1/2"	-	2"
-	SODA DISPENSER	115	1	20	-	-	-	-	-	1/2"	3" ID	-



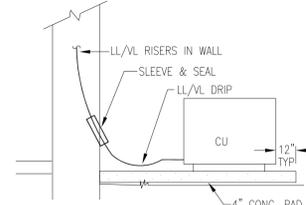
**B** DUCT DETAILS  
SCALE: NTS



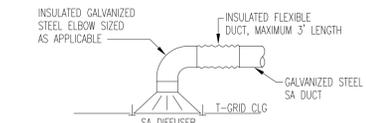
**E** EXHAUST FAN DETAIL  
SCALE: NTS



**D** KITCHEN HOOD DETAIL  
SCALE: NTS



**C** CU INSTALLATION DETAIL  
SCALE: NTS



**F** SUPPLY AIR DIFFUSER INSTALLATION  
SCALE: NTS

**MECHANICAL SPECIFICATION NOTES**

- ALL WORK SHALL CONFORM TO LOCAL CODES AND ORDINANCES.
  - EXHAUST DUCTS: GALVANIZED STEEL.
  - A/C SUPPLY AND RETURN DUCTS:
    - DIMENSIONS SHOWN ARE CLEAR INSIDE. DUCTS WITHOUT DIMENSIONS SHALL BE SIZED AT 0.07/100'.
    - RECTANGULAR AND ROUND GALVANIZED STEEL: FABRICATE PER SMACNA LOW VELOCITY DUCT STANDARDS. SEAL ALL JOINTS IN DUCT WITH APPROVED MASTIC.
    - FLEXIBLE RUNOUTS: UL CLASS 1, ASSEMBLE WITH SOLID VINYL LINER, GALVANIZED HELICAL WIRE FORMER, 1" FIBERGLASS BLANKET WITH POLY-VAPOR BARRIER. SECURE ENDS WITH BAND CLAMPS: ONE DUCT-TO-COLLAR AND ONE OVER VAPOR BARRIER, TO SEAL OPEN SLEEVE END. MAXIMUM LENGTH 5 FT..
    - INSULATION: 2" FIBERGLASS INSULATION WITH VAPOR BARRIER. SEAL SEAMS IN VAPOR BARRIER WITH 10 X 10 MESH GLASS FABRIC AND MASTIC.
    - DUCT LINER: 1" THICKNESS, COATED AIRSIDE, K=0.24. INSTALL WITH 100% ADHESIVE COVERAGE. PROVIDE MECHANICAL FASTENERS ON 15" CENTERS ON TOP AND SIDE OF DUCTWORK JOINTS WITH MASTIC. DUCT LINER: 1/2" WHERE NOTED FOR PLENUMS AND DUCTS IN CONDITIONED SPACE.
  - CONNECTIONS WITH SCOOP AND DAMPER.
  - REFRIGERATION TUBING: COPPER.
  - CONDENSATE PIPING: PVC.
    - SUCTION LINES: 3/4" THICKNESS.
    - CONDENSATE LINES: 1/2" THICKNESS.
- ALL RETURN AND EXHAUST AIR GRILLES SHALL BE ALUMINUM WITH OBD.

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Seal: PROGRESS SET  
05/04/10

Project: HILTON HEAD PIZZA COMPANY  
 LOT 29 MAIN STREET  
 HILTON HEAD ISLAND, SOUTH CAROLINA  
 Drawing Name: DETAILS, SCHEDULES AND RISERS - HVAC

PROJECT NO. 2010-007  
 DATE 05/04/10  
 DRAWN BY ESM  
 CHECKED BY KSj  
 DRAWING NO.

**M201**

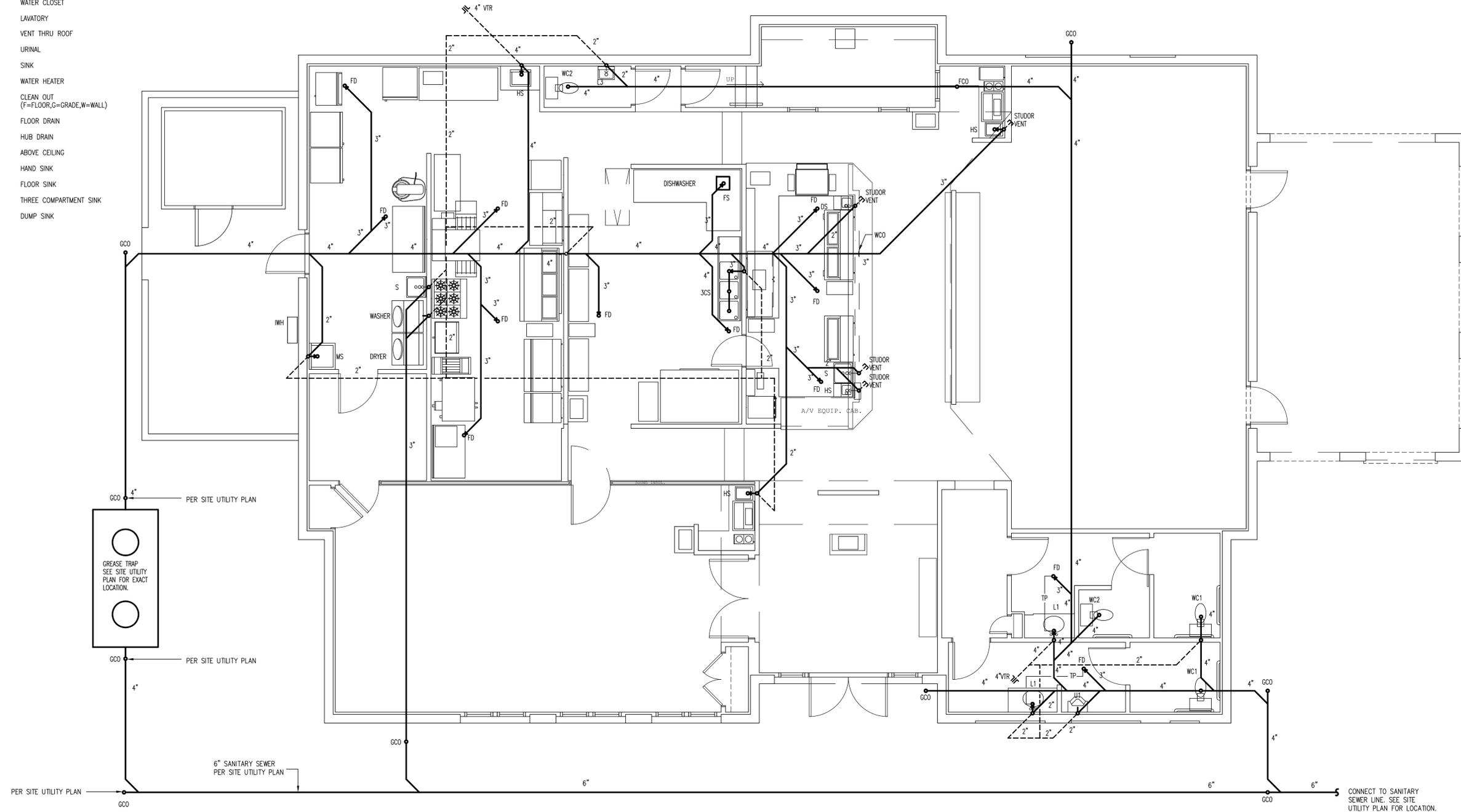
SHEET NO. of

**PLUMBING LEGEND**

- SAN SEWER
- SAN VENT
- COLD WATER
- HOT WATER
- HOT WATER RETURN
- LP GAS
- TP TRAP PRIMER
- PIPE DOWN
- PIPE UP
- HB HOSE BIBB
- P-TRAP
- WATER HAMMER ARRESTOR PISTON TYPE
- WC WATER CLOSET
- L LAVATORY
- VTR VENT THRU ROOF
- U URINAL
- S SINK
- WH WATER HEATER
- CO CLEAN OUT (F=FLOOR,G=GRADE,W=WALL)
- FD FLOOR DRAIN
- HD HUB DRAIN
- AC ABOVE CEILING
- HS HAND SINK
- FS FLOOR SINK
- 3CS THREE COMPARTMENT SINK
- DS DUMP SINK

**PLUMBING SPECIFICATION NOTES**

1. ALL WORK SHALL CONFORM TO LOCAL CODES AND ORDINANCES.
2. WATER LINES INSIDE BUILDING:  
A. COPPER TYPE "L" WITH LEAD FREE SOLDER.
3. WATER LINES OUTSIDE BUILDING:  
A. WATER METER TO BUILDING: SCHEDULE 40 PVC WITH SOLVENT JOINTS.
4. WASTE AND VENT: SCHEDULE 40 PVC WITH DRAINAGE PATTERN FITTINGS AND SOLVENT WELDED JOINTS. NO FOAM CORE.
5. PROVIDE SHUT-OFF VALVES AT FIXTURES AND EQUIPMENT.
6. EXPOSED FIXTURE TRIM SHALL BE CHROME PLATED.
7. CAULK/SEAL ALL FIXTURE MOUNTING AT COUNTER, WALL AND FLOOR AS APPLICABLE.
8. ALL FIXTURES AND EQUIPMENT SHALL BE PROVIDED WITH A UNION TYPE CONNECTION TO FACILITATE REMOVAL/SERVICE.
9. PIPE INSULATION:  
A. HOT WATER LINES FROM WATER HEATER THROUGHOUT SYSTEM: WITH 3/4" FIBERGLASS PREFORM OR "FR" TYPE RUBBER FLEXIBLE FOAM.  
B. COLD WATER LINES ABOVE GRADE 1/2" FIBERGLASS OR "FR" TYPE RUBBER FLEXIBLE FOAM.
10. COORDINATE WITH UTILITY COMPANIES AS REQUIRED FOR SERVICE AND METER LOCATIONS.
11. NOTIFY THE UTILITIES PROTECTION CENTER AT LEAST THREE BUSINESS DAYS PRIOR TO BEGINNING:  
A. EARTH EXCAVATION OR DIGGING WORK.  
B. WORK WHICH POTENTIALLY COMES WITHIN 10' OF ANY OVERHEAD HIGH VOLTAGE LINE.
12. NOTIFY ALL RESPECTIVE UTILITY COMPANY(ES) WHOSE LINES ARE ROUTED THROUGH, CONNECTED TO, OR ARE IN 10' PROXIMITY OF CONSTRUCTION SITE.
13. GAS LINES (NATURAL OR LP):  
A. LESS THAN 2 PSI:  
2" AND SMALLER: SCHEDULE 40 BLACK STEEL WITH SCREWED JOINTS.  
2.5" AND LARGER: SCHEDULE 40 BLACK STEEL WITH WELDED JOINTS.  
COPPER TYPE "L" WITH SILVER SOLDER JOINTS (1000°F).  
TYPE "SST" STAINLESS STEEL WITH JACKET AND COMPATIBLE FITTINGS.  
B. GREATER THAN 2 PSI: SCHEDULE 40 BLACK STEEL WITH WELDED JOINTS.



1 FLOOR PLAN - PLUMBING WASTE  
P101 SCALE: 1/4" = 1'-0"

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Seal:  
PROGRESS SET  
05/04/10

Project:  
HILTON HEAD PIZZA COMPANY  
LOT 29 MAIN STREET  
HILTON HEAD ISLAND, SOUTH CAROLINA  
Drawing Name:  
FLOOR PLAN - PLUMBING WASTE

PROJECT NO. 2010-007

DATE 05/04/10

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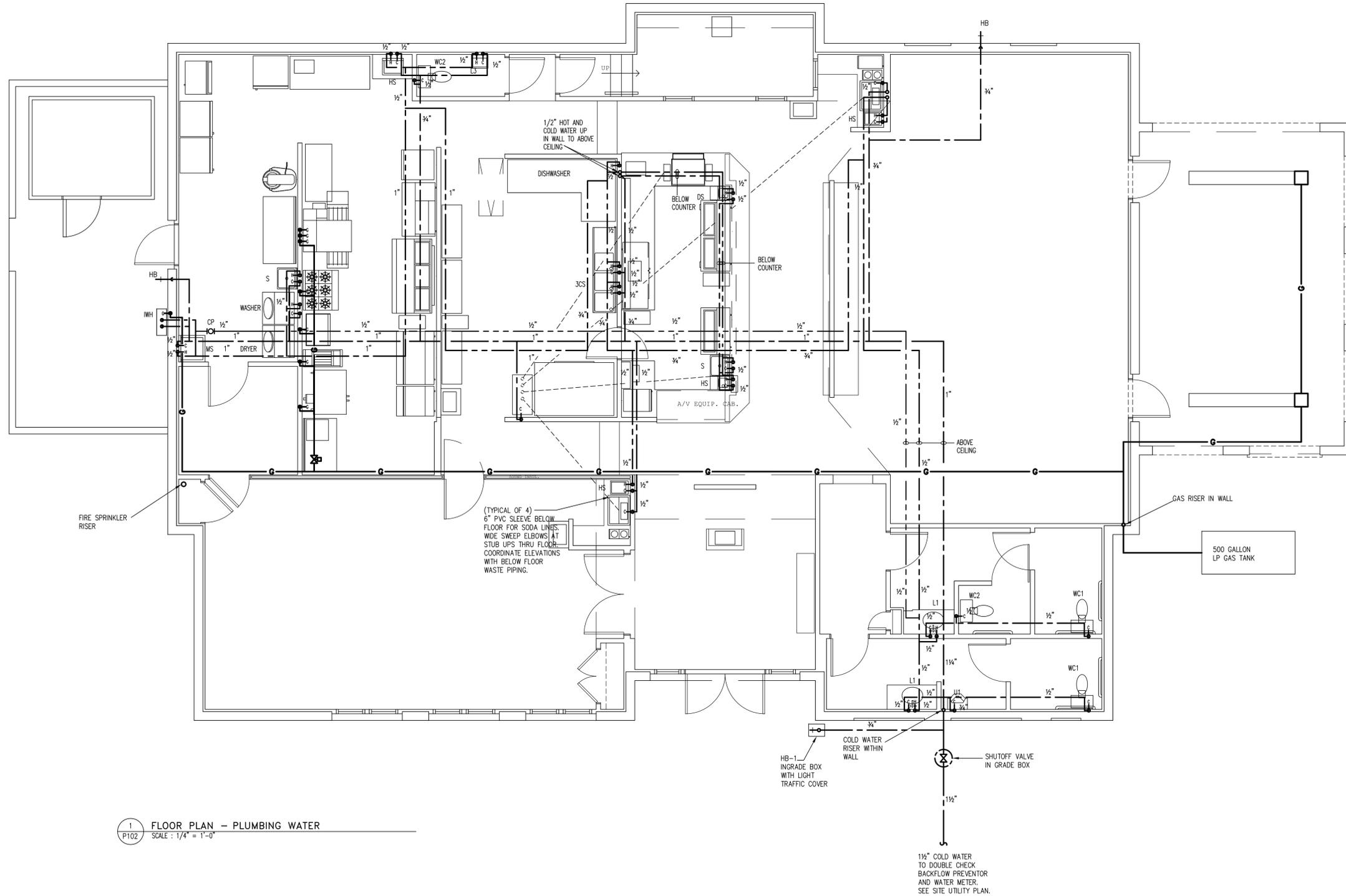
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P101

SHEET NO.

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1 FLOOR PLAN - PLUMBING WATER  
SCALE: 1/4" = 1'-0"



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HILTON HEAD PIZZA COMPANY  
LOT 29 MAIN STREET  
HILTON HEAD ISLAND, SOUTH CAROLINA  
Drawing Name:  
FLOOR PLAN - PLUMBING WATER

PROJECT NO. 2010-007

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DRAWING NO.

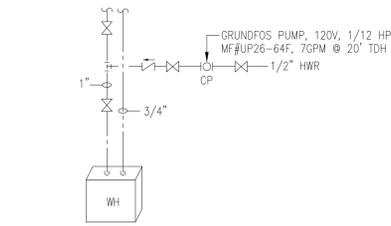
P102

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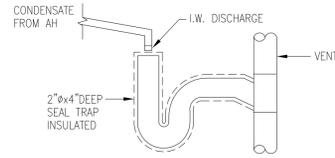
of

PLUMBING FIXTURE SCHEDULE						
SYM	DESCRIPTION	MANUFACTURER MODEL	COLD	HOT	WASTE	NOTES
WC1	WATER CLOSET, ADA RATED, FLOOR MTD, TANK TYPE, 1.6GPF, VITREOUS CHINA, NOMINAL 18" SEAT HT, PRESSURE ASSISTED	KOHLER K-3544	1/2"	-	4"	1,2,8,9,10
WC2	WATER CLOSET, FLOOR MTD, TANK TYPE, 1.6GPF, VITREOUS CHINA, NOMINAL 15-1/2" SEAT HT, PRESSURE ASSISTED	KOHLER K-3458	1/2"	-	4"	1,2,8,9,10
U1	URINAL, ADA RATED, WALL MTD, 1.0 GPF, NOMINAL 17" LIP HT, VITREOUS CHINA, SIPHON JET	KOHLER K-5016-ET	3/4"	-	2"	3,10
L1	LAVATORY, ADA RATED, COUNTER MTD, SELF-RIMMING, GRID DRAIN, VITREOUS CHINA, SINGLE LEVER FAUCET, 4" CENTERS	KOHLER K-2196-4	1/2"	1/2"	1-1/4"	4,5,6,9,10,11
L2	LAVATORY, COUNTER MTD, SELF-RIMMING, GRID DRAIN, VITREOUS CHINA, SINGLE LEVER FAUCET, 4" CENTERS	KOHLER K-2196-4	1/2"	1/2"	1-1/4"	5,6,9,10,11
L3	LAVATORY, ADA RATED, WALL MTD, GRID DRAIN, VITREOUS CHINA, SINGLE LEVER FAUCET, 4" CENTERS	KOHLER K-2032	1/2"	1/2"	1-1/4"	4,5,6,8,9,10,11
FD	FLOOR DRAIN, CAST IRON BODY, NICKALOY GRID TOP.	JAY R. SMITH 2005YA-03-P050	-	-	3"	10
TP	TRAP PRIMER	JAY R. SMITH 2698	-	-	1/2"	-
HB	HOSE BIBB, ANTI-SIPHON AND VANDAL RESISTANT VACUUM BREAKER, HEAVY DUTY CHROME PLATED BRONZE	MIFAB MHY-30	3/4"	-	-	10
HB-1	HOSE BIBB, IN GROUND BOX VACUUM BREAKER	MIFAB MHY-60	3/4"	-	-	-
MS	MOP SINK, FLOOR MTD, MOLDED STONE, 24x24	FIAT MSB-2424	1/2"	1/2"	1-1/2"	7,10
S	LAVATORY, WALL MTD, GRID DRAIN, VITREOUS CHINA, SINGLE LEVER FAUCET, 4" CENTERS	TO BE SELECTED BY OWNER	1/2"	1/2"	1-1/4"	5,6,8,9,10,11
WH	WATER HEATER, TANKLESS, 199K BTUH, LP GAS INPUT, OUTDOOR RATED	RHEEM RTG-74XN	3/4"	3/4"	-	8

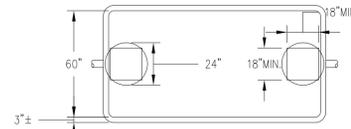
NOTES:  
1. SEAT: HEAVY DUTY SOLID PLASTIC, OPEN FRONT WITH STAINLESS STEEL SELF-SUSTAINING CHECK HINGE.  
2. LOCATE FLUSH OPERATOR ON MOST OPEN SIDE OF FIXTURE.  
3. SLOAN ROYAL FLUSHOMETER #186-1.  
4. OFFSET TAIL PIECE.  
5. MOEN FAUCET #L4621.  
6. P-TRAP, 17 GAUGE, CHROME PLATED BRASS.  
7. FIAT SERVICE FAUCET #830-AA.  
8. SOLID BLOCKING IN WALL FOR FIXTURE SUPPORT.  
9. ANGLE STOP(S) AND FLEXIBLE SUPPLY(IES).  
10. CAULK/GROUT/SEAL FIXTURE CONTACT WITH WALL/FLOOR/COUNTER, AS APPLICABLE.  
11. TEMPERATURE LIMITING CONTROL SET AT 110°F.



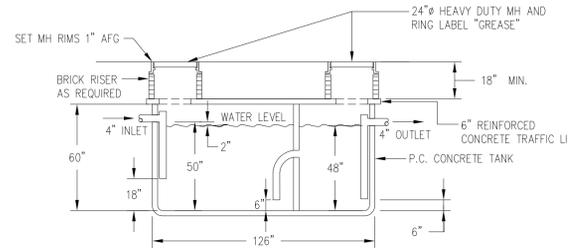
B WATER HEATER DETAIL  
SCALE: NTS



A CONDENSATE DRAIN  
SCALE: NTS



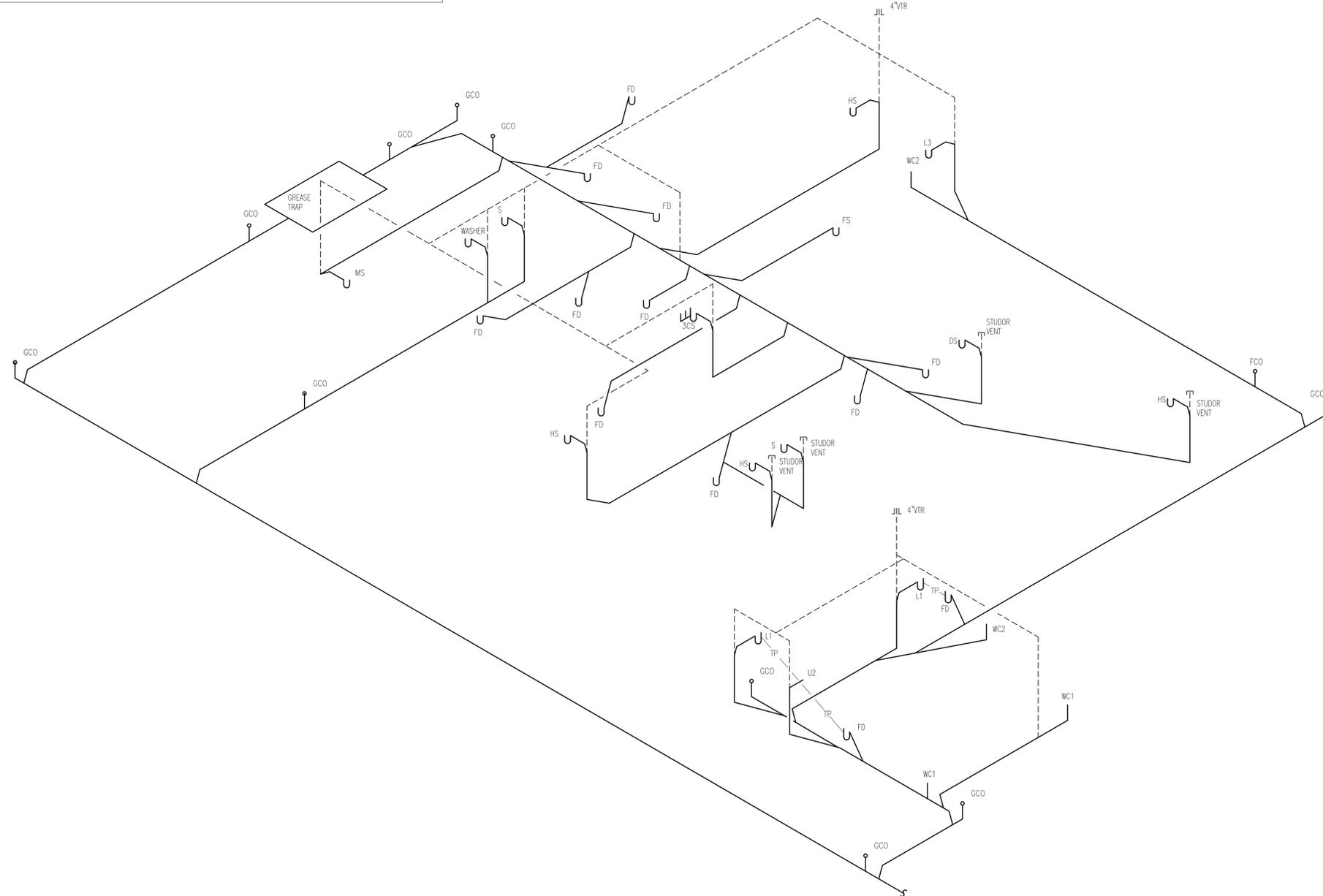
C 1500 GALLON GREASE TRAP  
SCALE: NTS



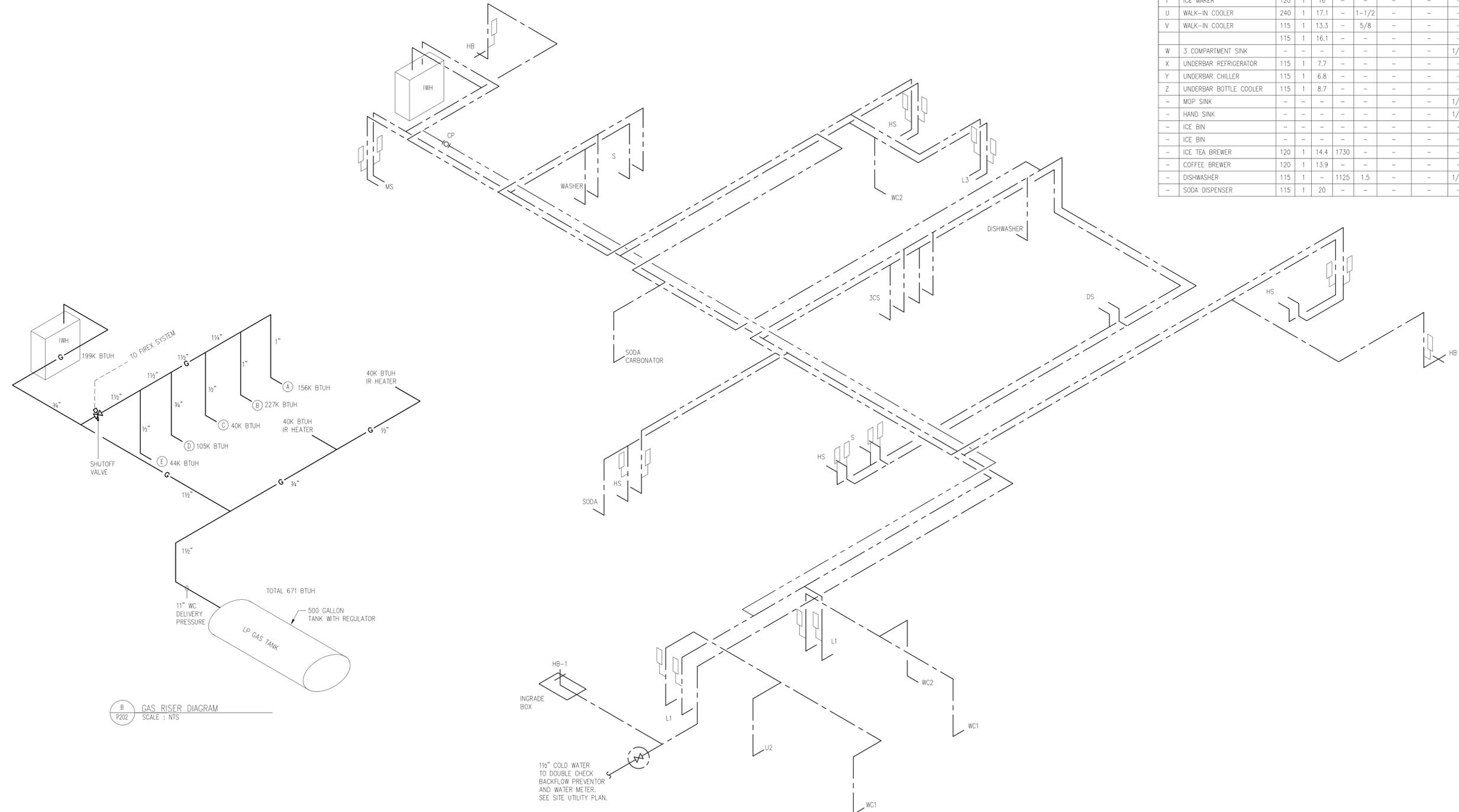
SYM	DESCRIPTION	ELECTRICAL				GAS		PLUMBING			
		V	Ø	A	W	HP	SIZE	BTUH	H	C	WASTE
A	PIZZA OVEN	120	1	8	1000	-	1/2"	156,000	-	-	-
B	36" W RANGE	-	-	-	-	-	3/4"	227,000	-	-	-
C	GRIDDLE	-	-	-	-	-	3/4"	40,000	-	-	-
D	FRYER	-	-	-	-	-	3/4"	105,000	-	-	-
E	CONVECTION OVEN	120	1	9	-	1/2"	3/4"	44,000	-	-	-
F	WORKTOP FREEZER	115	1	6.1	-	1/4"	-	-	-	-	-
F-1	GRILL	240	1	11.2	2670	-	-	-	-	-	-
G	REFRIGERATOR	115	1	7.6	-	-	-	-	-	-	-
H	ROLL TABLE	-	-	-	-	-	-	-	-	-	-
I	PREP TABLE	115	1	6.3	-	-	-	-	-	-	-
J	PREP TABLE	115	1	8.6	-	-	-	-	-	-	-
K	PREP TABLE	115	1	4.9	-	-	-	-	-	-	-
L	FLOOR MIXER	120	1	9.5	-	3/4"	-	-	-	-	-
N	PREP TABLE	-	-	-	-	-	-	-	-	-	-
O	WORKTOP REFRIGERATOR	115	1	5.1	-	-	-	-	-	-	-
Q	FREEZER	115	1	5.5	-	1/3"	-	-	-	-	-
S	GLASS DOOR REFRIGERATOR	120	1	2.4	-	-	-	-	-	-	-
T	ICE MAKER	120	1	16	-	-	-	-	-	1/2"	-
U	WALK-IN COOLER	240	1	17.1	-	1-1/2"	-	-	-	-	-
V	WALK-IN COOLER	115	1	13.3	-	5/8"	-	-	-	-	-
		115	1	16.1	-	-	-	-	-	-	-
W	3 COMPARTMENT SINK	-	-	-	-	-	-	-	1/2"	1/2"	2"
X	UNDERBAR REFRIGERATOR	115	1	7.7	-	-	-	-	-	-	-
Y	UNDERBAR CHILLER	115	1	6.8	-	-	-	-	-	-	-
Z	UNDERBAR BOTTLE COOLER	115	1	8.7	-	-	-	-	-	-	-
-	MOP SINK	-	-	-	-	-	-	-	1/2"	1/2"	2"
-	HAND SINK	-	-	-	-	-	-	-	1/2"	1/2"	1-1/2"
-	ICE BIN	-	-	-	-	-	-	-	-	-	1"
-	ICE BIN	-	-	-	-	-	-	-	-	-	1"
-	ICE TEA BREWER	120	1	14.4	1730	-	-	-	-	-	-
-	COFFEE BREWER	120	1	13.9	-	-	-	-	-	-	-
-	DISHWASHER	115	1	-	1125	1.5	-	-	1/2"	-	2"
-	SODA DISPENSER	115	1	20	-	-	-	-	1/2"	3" ID	-

### FIRE PROTECTION SPECIFICATIONS

- WET PIPE FIRE SPRINKLER SYSTEM.
- FIRE DEPARTMENT/MARSHAL COMPLIANCE. INSTALL FIRE PROTECTION SYSTEMS IN ACCORDANCE WITH LOCAL REGULATIONS OF FIRE DEPARTMENT OR FIRE MARSHALL AND NFPA 13, LIGHT HAZARD IN DINING AND SEATING AREA, ORDINARY HAZARD GROUP 1 IN KITCHEN AREA.
- SUBMIT SHOP DRAWINGS, HYDRAULIC CALCULATIONS AND PRODUCT DATA FOR APPROVAL. SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE SYSTEM IS BEING INSTALLED OR A NICET LEVEL III TECHNICIAN.
- PROVIDE PIPING MATERIALS AND FACTORY-FABRICATED PIPING PRODUCTS OF SIZES, TYPES, PRESSURE RATINGS, TEMPERATURE RATINGS, AND CAPACITIES AS INDICATED. WHERE NOT INDICATED, PROVIDE PROPER SELECTION AS DETERMINED BY INSTALLER TO COMPLY WITH INSTALLATION REQUIREMENTS. PROVIDE SIZES AND TYPES MATCHING PIPING AND EQUIPMENT CONNECTIONS; PROVIDE FITTINGS OF MATERIALS WHICH MATCH PIPE MATERIALS USED IN FIRE PROTECTION SYSTEMS. WHERE MORE THAN ONE TYPE OF MATERIALS OR PRODUCTS ARE INDICATED, SELECTION IS INSTALLER'S OPTION.
- AT EACH SPRINKLER VALVE, SIGN INDICATING WHAT PORTION OF SYSTEM VALVE CONTROLS. AT EACH OPERABLE DEVICE, SIGN INDICATING FUNCTION, E.G. "FLOW SWITCH".
- PIPES AND PIPE FITTINGS: BURIED PIPING: DUCTILE IRON WITH MECHANICAL JOINTS, ABOVE GROUND INSIDE BUILDING PIPING: BLACK STEEL 2" AND SMALLER WITH THREADED JOINTS, SCHEDULE 40, 2-1/2" AND LARGER WITH ROLL GROOVES, SCHEDULE 10 AS PERMITTED BY NFPA 13. PIPING FOR DRY SYSTEMS SHALL BE GALVANIZED.
- PROVIDE FLOW SWITCH, ELECTRIC ALARM GONG, AND INSTALL FIRE DEPARTMENT CONNECTION, PIPE ESCUTCHEONS, DRIP PANS, PIPE SLEEVES AND SLEEVE SEALS.
- SUPPORTS AND ANCHORS SHALL BE AS REQUIRED BY NFPA 13.
- INTERIOR VALVES: GATE VALVES: UL LISTED FOR SPRINKLER SERVICE.
- GAGES: PRESSURE GAGES, 0-250 PSI RANGE.
- TAMPER SWITCHES: PROVIDE PRODUCTS RECOMMENDED BY VALVE MANUFACTURER FOR USE IN SERVICE INDICATED.
- SPRINKLERS WITH FUSIBLE LINKS: EXPOSED: BRASS, UPRIGHT. FINISHED ROOMS: SEMI-RECESSED, CHROME PLATED WITH ESCUTCHEON.
- DOUBLE CHECK BACK FLOW DEVICE: MANUFACTURERS AS APPROVED BY LOCAL WATER DEPARTMENT. DEVICE SHALL BE COMPLETE WITH CHECK VALVES, GATE VALVES AND TEST VALVES.
- EXAMINE AREAS AND CONDITIONS UNDER WHICH FIRE PROTECTION MATERIALS AND PRODUCTS ARE TO BE INSTALLED. DO NOT PROCEED WITH WORK UNTIL PRODUCTS ARE TO BE INSTALLED. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN A MANNER ACCEPTABLE TO INSTALLER. COORDINATE WITH OTHER SYSTEM CONTRACTORS TO INSURE SPACE IS MADE AVAILABLE FOR ALL SYSTEMS.
- INSTALLATION OF PIPES AND PIPE FITTINGS: COMPLY WITH REQUIREMENTS OF NFPA 13 FOR INSTALLATION OF FIRE PROTECTION PIPING MATERIALS. INSTALL PIPING PRODUCTS WHERE INDICATED, IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES TO ENSURE THAT PIPING SYSTEMS COMPLY WITH REQUIREMENTS.
- TESTING ADJUSTING AND CLEANING: SPRINKLER PIPING FLUSHING: PRIOR TO CONNECTING SPRINKLER RISER FLUSH WATER FEED MAINS, LEAD-IN CONNECTIONS AND CONTROL PORTIONS OF SPRINKLER PIPING. AFTER FIRE SPRINKLER PIPING IS PLACED IN SERVICE, FLUSH ENTIRE SPRINKLER SYSTEM AS REQUIRED TO REMOVE FOREIGN SUBSTANCES, UNDER PRESSURE AS SPECIFIED IN NFPA 13. CONTINUE FLUSHING UNTIL WATER IS CLEAR, AND CHECK TO ENSURE THAT DEBRIS WILL NOT CLOG SPRINKLERS. HYDROSTATIC TESTING: AFTER FLUSHING SYSTEM, TEST FIRE SPRINKLER PIPING HYDROSTATICALLY FOR PERIOD OF 2 HOURS, AT NOT LESS THAN 200 PSI OR AT 50 PSI IN EXCESS OF MAXIMUM STATIC PRESSURE WHEN MAXIMUM STATIC PRESSURE IS IN EXCESS OF 150 PSI. CHECK SYSTEM FOR LEAKAGE OF JOINTS. MEASURE HYDROSTATIC PRESSURE AT LOW POINT OF EACH SYSTEM ZONE BEING TESTED. REPAIR OR REPLACE PIPING SYSTEM AS REQUIRED TO ELIMINATE LEAKAGE IN ACCORDANCE WITH NFPA STANDARDS FOR "LITTLE OR NO LEAKAGE". AND RETEST TO DEMONSTRATE SPECIFIED COMPLIANCE.
- PAINT EXPOSED SPRINKLER PIPING TWO COATS, (1 PRIMER, 1 FINISH) TO MATCH SURROUNDING FINISHES.



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**B** GAS RISER DIAGRAM  
P202 SCALE : NTS

**A** PLUMBING WATER RISER DIAGRAM  
P202 SCALE : NTS

SYM	DESCRIPTION	ELECTRICAL					GAS		PLUMBING		
		V	Ø	A	W	HP	SIZE	BTUH	H	C	WASTE
A	PIZZA OVEN	120	1	8	1000	-	1/2"	156,000	-	-	-
B	36"W RANGE	-	-	-	-	-	3/4"	227,000	-	-	-
C	GRIDDLE	-	-	-	-	-	3/4"	40,000	-	-	-
D	FRYER	-	-	-	-	-	3/4"	105,000	-	-	-
E	CONVECTION OVEN	120	1	9	-	1/2	-	44,000	-	-	-
F	WORKTOP FREEZER	115	1	6.1	-	1/4	-	-	-	-	-
F-1	GRILL	240	1	11.2	2670	-	-	-	-	-	-
G	REFRIGERATOR	115	1	7.6	-	-	-	-	-	-	-
H	ROLL TABLE	-	-	-	-	-	-	-	-	-	-
I	PREP TABLE	115	1	6.3	-	-	-	-	-	-	-
J	PREP TABLE	115	1	8.6	-	-	-	-	-	-	-
K	PREP TABLE	115	1	4.9	-	-	-	-	-	-	-
L	FLOOR MIXER	120	1	9.5	-	3/4	-	-	-	-	-
N	PREP TABLE	-	-	-	-	-	-	-	-	-	-
O	WORKTOP REFRIGERATOR	115	1	5.1	-	-	-	-	-	-	-
Q	FREEZER	115	1	5.5	-	1/3	-	-	-	-	-
S	GLASS DOOR REFRIGERATOR	120	1	2.4	-	-	-	-	-	-	-
T	ICE MAKER	120	1	16	-	-	-	-	-	1/2"	-
U	WALK-IN COOLER	240	1	17.1	-	1-1/2	-	-	-	-	-
V	WALK-IN COOLER	115	1	13.3	-	5/8	-	-	-	-	-
W	3 COMPARTMENT SINK	-	-	-	-	-	-	-	1/2"	1/2"	2"
X	UNDERBAR REFRIGERATOR	115	1	7.7	-	-	-	-	-	-	-
Y	UNDERBAR CHILLER	115	1	6.8	-	-	-	-	-	-	-
Z	UNDERBAR BOTTLE COOLER	115	1	8.7	-	-	-	-	-	-	-
-	MOP SINK	-	-	-	-	-	-	-	1/2"	1/2"	2"
-	HAND SINK	-	-	-	-	-	-	-	1/2"	1/2"	1-1/2"
-	ICE BIN	-	-	-	-	-	-	-	-	-	1"
-	ICE BIN	-	-	-	-	-	-	-	-	-	1"
-	ICE TEA BREWER	120	1	14.4	1730	-	-	-	-	-	-
-	COFFEE BREWER	120	1	13.9	-	-	-	-	-	-	-
-	DISHWASHER	115	1	-	1125	1.5	-	-	1/2"	-	2"
-	SODA DISPENSER	115	1	20	-	-	-	-	1/2"	3" ID	-

Revision:

**SMITH and VANDENBULCK**  
ENGINEERING and LANDSCAPE ARCHITECTURE  
A DIVISION OF SAV ENGINEERING, INC.  
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SAVANNAH, GEORGIA 31406  
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Seal:  
PROGRESS SET  
05/04/10

Project:  
HILTON HEAD PIZZA COMPANY  
LOT 29 MAIN STREET  
HILTON HEAD ISLAND, SOUTH CAROLINA  
Drawing Name:  
DETAILS, SCHEDULES AND RISERS - PLUMBING

PROJECT NO. 2010-007  
DATE 05/04/10  
DRAWN BY ESM  
CHECKED BY KSj  
DRAWING NO.

P202

SHEET NO. of

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<b>MISCELLANEOUS COMMENTS/QUESTIONS</b>