

DATE01/09/2006

Columbia County Building Permit

PERMIT000024029

This Permit Expires One Year From the Date of Issue

APPLICANTDAVID SIMQUE

PHONE755-7787

ADDRESSPO BOX 2962LAKE CITYFL32056

OWNERRIMROCK DEVELOPMENT, INC.

PHONE755-1586

ADDRESS301343NW COLE TERRLAKE CITYFL32035

CONTRACTORDAVID SIMQUE

PHONE755-7787

LOCATION OF PROPERTY90, R COLE RD, AT END

TYPE DEVELOPMENTCOMM METAL BLDG

ESTIMATED COST OF CONSTRUCTION200000.00

HEATED FLOOR AREATOTAL AREAHEIGHT24.00STORIES1

FOUNDATIONCONCRETEWALLSMETALROOF PITCH.5/12FLOORSLAB

LAND USE & ZONINGCIMAX. HEIGHT35

Minimum Set Back Requirments:STREET-FRONT20.00REAR15.00SIDE5.00

NO. EX.D.U.0FLOOD ZONEXDEVELOPMENT PERMIT NO.

PARCEL ID36-3S-16-02611-303

SUBDIVISIONGLEASON PLACE

LOT3BLOCKPHASEUNITTOTAL ACRES0.50

Culvert Permit No.Culvert WaiverContractor's License NumberApplicant/Owner/Contractor

EXISTINGX05-288BKJHN

Driveway ConnectionSeptic Tank NumberLU & Zoning checked byApproved for IssuanceNew Resident

COMMENTS:SDP ARRPOVED 04-5

SRWMD ICLUDED,

Check # or Cash1717

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Powerdate/app. byFoundationdate/app. byMonolithicdate/app. by

Under slab rough-in plumbingdate/app. bySlabdate/app. bySheathing/Nailingdate/app. by

Framingdate/app. byRough-in plumbing above slab and below wood floordate/app. by

Electrical rough-indate/app. byHeat & Air Ductdate/app. byPeri. beam (Lintel)date/app. by

Permanent powerdate/app. byC.O. Finaldate/app. byCulvertdate/app. by

M/H tie downs, blocking, electricity and plumbingdate/app. byPooldate/app. by

Reconnectiondate/app. byPump poledate/app. byUtility Poledate/app. by

M/H Poledate/app. byTravel Trailerdater/app. byRe-roofdate/app. by

BUILDING PERMIT FEE \$1000.00

CERTIFICATION FEE \$0.00

SURCHARGE FEE \$0.00

MISC. FEES \$0.00

ZONING CERT. FEE \$50.00

FIRE FEE \$0.00

WASTE FEE \$

FLOOD DEVELOPMENT FEE \$

FLOOD ZONE FEE \$25.00

CULVERT FEE \$

TOTAL FEE1075.00

INSPECTORS OFFICE

CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVINCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

# **ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

**Florida Department of Community Affairs**

**EnergyGauge FlaCom v1.22 FORM 400A-2001**

**Whole Building Performance Method for Commercial Buildings**

**Jurisdiction:** COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)

**Short Desc:** RimDes

**Project:** Rimrock Design

**Owner:** Micah Linton

**Address:** -

**City:** Lake City

**State:** FL

**Zip:** 0

**PermitNo:** 0

**Storeys:** 1

**Type:** Office (Business)

**GrossArea:** 8188

**Class:** New Finished building

**Net Area:** 8188

**Max Tonnage:** 4 (if different, write in)

## **Compliance Summary**

<b>Component</b>	<b>Design</b>	<b>Criteria</b>	<b><u>Result</u></b>
Gross Energy Use	80.86	100.00	<b>PASSES</b>
Other Envelope Requirements - A			<b>PASSES</b>
LIGHTING CONTROLS			<b>PASSES</b>
EXTERNAL LIGHTING			<b>PASSES</b>
HVAC SYSTEM			<b>PASSES</b>
PLANT			<b>PASSES</b>
WATER HEATING SYSTEMS			<b>PASSES</b>
PIPING SYSTEMS			<b>PASSES</b>
Met all required compliance from Check List?			<b>Yes/No/NA</b>

***IMPORTANT NOTE: An input report Print-Out from EnergyGauge FlaCom of this design building must be submitted along with this Compliance Report.***

**COMPLIANCE CERTIFICATION:**

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Efficiency Code.

**PREPARED BY:** Nicholas Paul Geisler

**DATE:** 29 July 2005

I hereby certify that this building is in compliance with the Florida Energy Efficiency Code.

**OWNER AGENT:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, F.S.

**BUILDING OFFICIAL:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

If required by Florida law, I hereby certify (\*) that the system design is in compliance with the Florida Energy Code.

**REGISTRATION  
No.**

**ARCHITECT :**

N. P. Geisler

AP 0007005

**ELECTRICAL SYSTEM DESIGNER**

**LIGHTING SYSTEM DESIGNER:**

**MECHANICAL SYSTEM DESIGNER:**

**PLUMBING SYSTEM DESIGNER:**

(\*) Signature is required where Florida Law requires design to be performed by registered design professionals. Typed names and registration numbers may be used where all relevant information is contained on signed/sealed plans.

**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)  
**(WEA File:** JACKSONVILLE.TMY)

### Whole Building Compliance

	Design	Reference
<b>Total</b>	<b>80.86</b>	<b>100.00</b>
<b>ELECTRICITY</b>	<b>80.86</b>	<b>100.00</b>
<b>AREA LIGHTS</b>	<b>21.81</b>	<b>32.35</b>
<b>MISC EQUIPMT</b>	<b>6.44</b>	<b>6.44</b>
<b>PUMPS &amp; MISC</b>	<b>0.07</b>	<b>0.07</b>
<b>SPACE COOL</b>	<b>10.87</b>	<b>19.47</b>
<b>VENT FANS</b>	<b>41.66</b>	<b>41.66</b>

Credits & Penalties (if any): Modified Points: = 80.86

**PASSES**

**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)  
**(WEA File:** JACKSONVILLE.TMY)

### Other Envelope Requirements

Item	Zone	Description	Design	Limit	Meet Req.
Pr0Zo1Rf1	Pr0Zo1	Exterior Roof - Max Uo Limit	0.05	0.09	Yes
Pr0Zo1Rf2	Pr0Zo1	Exterior Roof - Max Uo Limit	0.05	0.09	Yes

**Meets Other Envelope Requirements**

**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA COUNTY,  
 FL (221000)  
**(WEA File:** JACKSONVILLE.TMY)

### External Lighting Compliance

Description	Category	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Exit (with or without Canopy)	25.00	20.0	500	60
Ext Light 2	Exit (with or without Canopy)	25.00	20.0	500	200

**Design:** 260 (W)

**Allowance:** 1000 (W)

**PASSES**

**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)  
**(WEA File:** JACKSONVILLE.TMY)

### Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	No. of Tasks	Design CP	Min CP	Compli- ance
Pr0Zo1Sp1	26	Offices (Partitions>4.5 ft below ceiling) Enclosed offices, all open plan offices without partitions	4,000	1	16	5	PASSES
Pr0Zo1Sp2	11	Stair - Active Traffic	188	1	3	2	PASSES
Pr0Zo2Sp1	99	Retail Establishments (Merchandising & Circulation Area) Applicable to all lighting, including accen	4,000	4	12	5	PASSES

**PASSES**

**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)  
**(WEA File:** JACKSONVILLE.TMY)

### System Report Compliance

**Pr0Sy1**      **System 1**      **Constant Volume Air Cooled**      **No. of Units**  
**Split System < 65000 Btu/hr**      **2**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Cooled < 65000 Btu/h Cooling Capacity		12.00	10.00	8.00		PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.80			PASSES

**Pr0Sy2**      **System 2**      **Constant Volume Air Cooled**      **No. of Units**  
**Split System < 65000 Btu/hr**      **4**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Cooled < 65000 Btu/h Cooling Capacity		12.00	10.00	8.00		PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.80			PASSES

**PASSES**

### Plant Compliance

Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
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**None**

**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA COUNTY,  
 FL (221000)  
**(WEA File:** JACKSONVILLE.TMY)

### Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
Water Heater 1	Storage Water Heater - Electric	<=120 [gal] & <= 12 [kW]	0.90	0.88			PASSES
							PASSES

**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA

### Piping System Compliance

Category	Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Cond [Btu-in/hr .SF.F]	Ins Thick [in]	Req Ins Thick [in]	Compliance
Domestic and Service Hot Water Systems	0.75	False	125.00	0.28	1.37	1.33	PASSES
							PASSES

**Project: RimDes**

**Title: Rimrock Design**

**Type: Office (Business)**

**Location: COLUMBIA COUNTY, COLUMBIA**

### **Other Required Compliance**

<b>Category</b>	<b>Section</b>	<b>Requirement (write N/A in box if not applicable)</b>	<b>Check</b>
Infiltration	406.1	Infiltration Criteria have been met	<input type="checkbox"/>
System	407.1	HVAC Load sizing has been performed	<input type="checkbox"/>
Ventilation	409.1	Ventilation criteria have been met	<input type="checkbox"/>
ADS	410.1	Duct sizing and Design have been performed	<input type="checkbox"/>
T & B	410.1	Testing and Balancing will be performed	<input type="checkbox"/>
Electrical	413.1	Metering criteria have been met	<input type="checkbox"/>
Motors	414.1	Motor efficiency criteria have been met	<input type="checkbox"/>
Lighting	415.1	Lighting criteria have been met	<input type="checkbox"/>
O & M	102.1	Operation/maintenance manual will be provided to owner	<input type="checkbox"/>
Roof/Ceil	404.1	R-19 for Roof Deck with supply plenums beneath it	<input type="checkbox"/>
Report	101	Input Report Print-Out from EnergyGauge FlaCom attached?	<input type="checkbox"/>



# ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

EnergyGauge FlaCom v1.22

## INPUT DATA REPORT

### Project Information

Project Name: RimDes

Project Title: Rimrock Design

Address: -

State: FL

Zip: 0

Owner: Micah Linton

Orientation: South

Building Type: Office (Business)

Building Classificatio New Finished building

No.of Storeys: 1

GrossArea: 8188

### Zones

No	Acronym	Description	Type	Load Profile	Area [sf]	Multiplier	Total Area [sf]
1	Pr0Zo1	Zone 1	CONDITIONED	Uses Building Load Profile	4188.0	1	4188.0
2	Pr0Zo2	Zone 2	CONDITIONED	Uses Building Load Profile	4000.0	1	4000.0

Spaces									
No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]
In Zone: Pr0Zo1									<input type="checkbox"/>
1	Pr0Zo1Sp1	Zo0Sp1	Offices (Partitions>4.5 ft below ceiling) Enclosed offices, all open plan offices without partitions	100.00	40.00	8.00	1	4000.0	32000.0
2	Pr0Zo1Sp2	Zo0Sp2	Stair - Active Traffic	12.00	15.67	19.00	1	188.0	3572.8
In Zone: Pr0Zo2									<input type="checkbox"/>
1	Pr0Zo2Sp1	Zo0Sp1	Retail Establishments (Merchandising & Circulation Area) Applicable to all lighting, including accen	40.00	100.00	11.00	1	4000.0	44000.0

Lighting				
No	Type	Power [W]	Control Type	No.of Ctrl pts
<b>In Zone: Pr0Zo1</b>				
<b>In Space: Pr0Zo1Sp1</b>				
1	Recessed Fluorescent - No vent	5400.00	Manual On/Off	9 <input type="checkbox"/>
2	Compact Fluorescent	800.00	Manual On/Off	3 <input type="checkbox"/>
3	Incandescent	300.00	Manual On/Off	4 <input type="checkbox"/>
<b>In Space: Pr0Zo1Sp2</b>				
1	Incandescent	420.00	Manual On/Off	3 <input type="checkbox"/>
<b>In Zone: Pr0Zo2</b>				
<b>In Space: Pr0Zo2Sp1</b>				
1	Recessed Fluorescent - No vent	6400.00	Manual On/Off	8 <input type="checkbox"/>
2	Incandescent	240.00	Manual On/Off	4 <input type="checkbox"/>

## Walls

No	Description	Type	Width H (Effec) [ft]	Multi plier	Area [sf]	Direction	Conductance [Btu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.s.f.F/Btu]
<b>In Zone: Pr0Zo1</b>										
1	Pr0Zo1Wa1	Metal siding/2x4@24"+R1 1Batt/5/8"Gyp	100.00	8.00	1	800.0	North	0.0920	1.0718	19.38
2	Pr0Zo1Wa2	Metal siding/2x4@24"+R1 1Batt/5/8"Gyp	40.00	8.00	1	320.0	West	0.0920	1.0718	19.38
3	Pr0Zo1Wa3	Metal siding/2x4@24"+R1 1Batt/5/8"Gyp	100.00	8.00	1	800.0	South	0.0920	1.0718	19.38
4	Pr0Zo1Wa4	Metal siding/2x4@24"+R1 1Batt/5/8"Gyp	40.00	8.00	1	320.0	East	0.0920	1.0718	19.38
5	Pr0Zo1Wa5	Metal siding/2x4@24"+R1 1Batt/5/8"Gyp	15.67	19.00	1	297.7	North	0.0920	1.0718	19.38
6	Pr0Zo1Wa6	Metal siding/2x4@24"+R1 1Batt/5/8"Gyp	12.00	19.00	1	228.0	East	0.0920	1.0718	19.38
7	Pr0Zo1Wa7	Metal siding/2x4@24"+R1 1Batt/5/8"Gyp	15.67	19.00	1	297.7	South	0.0920	1.0718	19.38
<b>In Zone: Pr0Zo2</b>										
1	Pr0Zo2Wa1	Metal siding/2x4@24"+R1 1Batt/5/8"Gyp	100.00	40.00	1	4000.0	South	0.0920	1.0718	19.38
2	Pr0Zo2Wa2	Metal siding/2x4@24"+R1 1Batt/5/8"Gyp	40.00	11.00	1	440.0	West	0.0920	1.0718	19.38
3	Pr0Zo2Wa3	Metal siding/2x4@24"+R1 1Batt/5/8"Gyp	100.00	11.00	1	1100.0	North	0.0920	1.0718	19.38

4	Pr0Zo2Wa4	Metal siding/2x4@24"+R1 1Batt/5/8"Gyp	28.00	11.00	1	308.0	East	0.0920	1.0718	19.38	10.87	<input type="checkbox"/>
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Windows												
No	Description	Type	Shaded	UCen [Btu/hr sf F]	SC	Vis.Tr	W [ft]	H (Effec) [ft]	Multi plier	Total Area [sf]		
<b>In Zone: Pr0Zo1</b>												
In Wall	Pr0Zo1Wa1	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	6.00	5.00	7	210.0	<input type="checkbox"/>	
In Wall	Pr0Zo1Wa2	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	9.00	4.00	1	36.0	<input type="checkbox"/>	
In Wall	Pr0Zo1Wa3	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	14.00	4.00	3	168.0	<input type="checkbox"/>	
In Wall	Pr0Zo1Wa4	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	6.00	5.00	1	30.0	<input type="checkbox"/>	
In Wall	Pr0Zo1Wa6	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	8.17	18.00	1	147.1	<input type="checkbox"/>	
In Wall	Pr0Zo1Wa7	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	12.83	18.00	1	230.9	<input type="checkbox"/>	
<b>In Zone: Pr0Zo2</b>												
In Wall	Pr0Zo2Wa1	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	14.33	9.00	4	515.9	<input type="checkbox"/>	
In Wall	Pr0Zo2Wa2	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	9.00	9.00	1	81.0	<input type="checkbox"/>	
	2	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	12.00	9.00	1	108.0	<input type="checkbox"/>	
In Wall	Pr0Zo2Wa4	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	6.00	9.00	2	108.0	<input type="checkbox"/>	

## Doors

No	Description	Type	Shaded?	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Dens. Heat Cap. [lb/cf] [Btu/sf. F]	R-Value [h.s.f.F/Btu]
<b>In Zone: Pr0Zo1</b>										
<b>In Wall: Pr0Zo1Wa1</b>										
1	Pr0Zo1Wa1Dr1	Solid core flush	No	3.00	6.67	1	20.0	0.5834	0.00	1.71
<b>In Zone: Pr0Zo2</b>										
<b>In Wall: Pr0Zo2Wa3</b>										
1	Pr0Zo2Wa3Dr1	Solid core flush	No	3.00	7.00	4	21.0	0.5834	0.00	1.71

## Roofs

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Tilt [deg]	Cond. [Btu/hr. Sf. F]	Heat Cap [lb/cf] [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.s.f.F/Btu]
<b>In Zone: Pr0Zo1</b>											
1	Pr0Zo1Rf1	Mtl Bldg Roof/R-19 Batt	100.00	40.00	1	4000.0	0.00	0.0492	1.34	9.49	20.34
2	Pr0Zo1Rf2	Mtl Bldg Roof/R-19 Batt	15.67	12.00	1	188.0	0.00	0.0492	1.34	9.49	20.34

## Skylights

No	Description	Type	UCen [Btu/hr sf F]	Shading Coeff	Vis. Tran	W [ft]	H (Effec) [ft]	Multiplier	Area [Sf]	Total Area [Sf]
<b>In Zone:</b>										
<b>In Roof:</b>										

Floors									
No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Heat Cap. Dens. [Btu/sf. F]	R-Value [h.s.f./Btu]
<b>In Zone: Pr0Zo1</b>									
1	Pr0Zo1F11	Concrete floor, carpet and rubber pad	100.00	40.00	1	4000.0	0.5987	9.33	140.00
									1.67
2	Pr0Zo1F12	Concrete floor, carpet and rubber pad	15.67	12.00	1	188.0	0.5987	9.33	140.00
									1.67
<b>In Zone: Pr0Zo2</b>									
1	Pr0Zo2F11	Concrete floor, carpet and rubber pad	100.00	40.00	1	4000.0	0.5987	9.33	140.00
									1.67

Systems						
Pr0Sy1		System 1		Constant Volume Air Cooled Split System < 65000 Btu/hr		No. Of Units 2
Component	Category	Capacity	Efficiency	IPLV		
1	Cooling System (Air Cooled < 65000 Btu/h Cooling Capacity)	48000.00	12.00	8.00		<input type="checkbox"/>
2	Air Handling System -Supply (Air Handler (Supply) - Constant Volume)	1600.00	0.80			<input type="checkbox"/>
Pr0Sy2		System 2		Constant Volume Air Cooled Split System < 65000 Btu/hr		No. Of Units 4
Component	Category	Capacity	Efficiency	IPLV		
1	Cooling System (Air Cooled < 65000 Btu/h Cooling Capacity)	18000.00	12.00	8.00		<input type="checkbox"/>
2	Air Handling System -Supply (Air Handler (Supply) - Constant Volume)	1600.00	0.80			<input type="checkbox"/>

Plant				
Equipment	Category	Size	Inst.No	Eff. IPLV
<input type="checkbox"/>				

Water Heaters				
W-Heater Description	Capacit Cap.Unit	I/P Rt.	Efficienc	Loss
1 Storage Water Heater - Electric	40 Gal	3 [kW]	0.9000 [EF]	[%/hr]
<input type="checkbox"/>				

Ext-Lighting				
Description	Categories.	Area/Len/No. of units [sf/R/No]	Wattage [W]	
1 Ext Light 1	Exit (with or without Canopy)	20.00	60.00	<input type="checkbox"/>
2 Ext Light 2	Exit (with or without Canopy)	20.00	200.00	<input type="checkbox"/>

Piping						
No	Type	Operating Temperature [F]	Insulation Conductivity [Btu-in/h.s.f.F]	Nomonal pipe Diameter [in]	Insulation Thickness [in]	Is Runout?
1	Domestic and Service Hot Water Systems	125.00	0.28	0.75	1.37	No
<input type="checkbox"/>						

Fenestration Used							
Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.s.f.F]	SC	VLT	Frame Conductance [Btu/h.s.f.F]	Frame Absorbance
<input type="checkbox"/>							

ApLbWnd9	DOUBLE REF B TINT-L IG	2	0.6039	0.1800	0.0450	0.4340	0.7000	<input type="checkbox"/>
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## Materials Used

Mat No	Acronym	Description	Only R-Value Used	RValue [h.s.f.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHea t
18	Mat118	2 in. Wood	No	2.3857	0.1670	0.0700	37.00	0.3900
264	Mat1264	ALUMINUM, 1/16 IN	No	0.0002	0.0050	26.0000	480.00	0.1000
214	Mat1214	POLYSTYRENE, EXP., 1-1/4IN,	No	5.2100	0.1042	0.0200	1.80	0.2900
187	Mat1187	GYP OR PLAS BOARD, 1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000
206	Mat1206	CELLULOSE, FILL, 5.5IN, R- 20	No	20.8318	0.4583	0.0220	3.00	0.3300
151	Mat1151	CONC HW, DRD, 140LB, 4IN	No	0.4403	0.3333	0.7570	140.00	0.2000
178	Mat1178	CARPET W/RUBBER PAD	Yes	1.2300				
265	Mat1265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000
48	Mat148	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000
123	Mat1123	CONC BLOCK MW, 8IN, HOLLOW	No	1.7227	0.6667	0.3870	53.00	0.2000
159	Mat1159	CONC HW-UNDRD-140LB-4IN	No	0.3202	0.3333	1.0410	140.00	0.2000
57	Mat157	3/4 in. Plaster or gypsum	No	0.1488	0.0625	0.4200	100.00	0.2000
72	Mat172	AIR LAYER, 3/4IN OR LESS, VERT. WALLS	Yes	0.9000				
267	Mat1267	0.75" stucco	No	0.1563	0.0625	0.4000	16.00	0.2000
266	Mat1266	2x4@16" oc + R11 Batt	No	8.3343	0.2917	0.0350	9.70	0.2000
215	Mat1215	POLYSTYRENE, EXP., 2IN,	No	8.3350	0.1667	0.0200	1.80	0.2900
105	Mat1105	CONC BLK HW, 8IN, HOLLOW	No	1.1002	0.6667	0.6060	69.00	0.2000
256	Mat1256	WOOD, SOFT, 1-1/2IN	No	1.8939	0.1250	0.0660	32.00	0.3300
268	Mat1268	0.625" stucco	No	0.1302	0.0521	0.4000	16.00	0.2000
42	Mat142	8 in. Lightweight concrete block	No	2.0212	0.6670	0.3300	38.00	0.2000



269	Matl269	.75" ISO BTWN24" oc	No	2.2321	0.0625	0.0280	4.19	0.3000	<input type="checkbox"/>
86	Matl86	BRICK, COMMON, 4IN	No	0.8012	0.3333	0.4160	120.00	0.2000	<input type="checkbox"/>
211	Matl211	POLYSTYRENE,EXP.,1/2I N,	No	2.0850	0.0417	0.0200	1.80	0.2900	<input type="checkbox"/>
12	Matl12	3 in. Insulation	No	10.0000	0.2500	0.0250	2.00	0.2000	<input type="checkbox"/>
218	Matl218	POLYURETHANE,EXP.,1/2 IN,	No	3.2077	0.0417	0.0130	1.50	0.3800	<input type="checkbox"/>
23	Matl23	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000	<input type="checkbox"/>
4	Matl4	Steel siding	No	0.0002	0.0050	26.0000	480.00	0.1000	<input type="checkbox"/>
271	Matl271	2x4@24" oc + R11 Batt	No	10.4179	0.2917	0.0280	7.11	0.2000	<input type="checkbox"/>
272	Matl272	Panel with 7/16" panels	Yes	0.9044					<input type="checkbox"/>
273	Matl273	Hollow core flush (1.375")	Yes	1.2777					<input type="checkbox"/>
274	Matl274	Solid core flush (1.375")	Yes	1.7141					<input type="checkbox"/>
275	Matl275	Panel with 7/16" panels (1.375")	Yes	1.0019					<input type="checkbox"/>
276	Matl276	Hollow core flush (1.75")	Yes	1.3239					<input type="checkbox"/>
277	Matl277	Panel with 1-1/8" panels (1.75")	Yes	1.7141					<input type="checkbox"/>
278	Matl278	Solid core flush (1.75")	Yes	1.6500					<input type="checkbox"/>
279	Matl279	Solid core flush (2.25")	Yes	2.8537					<input type="checkbox"/>
280	Matl280	Fiberglass/Mineral wool core	Yes	0.8167					<input type="checkbox"/>
281	Matl281	Paper Honeycomb core	Yes	0.9357					<input type="checkbox"/>
282	Matl282	Solid Urethane foam core	Yes	1.6500					<input type="checkbox"/>
283	Matl283	Solid mineral fiberboard core	Yes	1.7816					<input type="checkbox"/>
284	Matl284	Polystyrene core (18 ga steel) 1	Yes	2.0071					<input type="checkbox"/>
285	Matl285	Polyurethane core (18 ga steel) 2	Yes	2.5983					<input type="checkbox"/>
286	Matl286	Polyurethane core (24 ga steel) 1	Yes	2.5983					<input type="checkbox"/>
287	Matl287	Polyurethane core (24 ga steel) 2	Yes	4.1500					<input type="checkbox"/>
288	Matl288	Solid Urethane foam core	Yes	4.1500					<input type="checkbox"/>
81	Matl81	ASPHALT-ROOFING, ROLL	Yes	0.1500					<input type="checkbox"/>
244	Matl244	PLYWOOD, 1/2IN	No	0.6318	0.0417	0.0660	34.00	0.2900	<input type="checkbox"/>
185	Matl185	CLAY TILE, PAVER, 3/8IN	No	0.0301	0.0313	1.0410	120.00	0.2000	<input type="checkbox"/>



No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	R Value [h.sf.F/Btu]
1023	Solid core flush	No	Yes	0.58			1.7141 <input type="checkbox"/>
Layer	Material No.	Material	Thickness [ft]	Framing Factor			
1	274	Solid core flush (1.375")		0.00	<input type="checkbox"/>		
No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	R Value [h.sf.F/Btu]
1047	Mel Bldg Roof/R-19 Batt	No	No	0.05	1.34	9.49	20.3366 <input type="checkbox"/>
Layer	Material No.	Material	Thickness [ft]	Framing Factor			
1	94	BUILT-UP ROOFING, 3/8IN	0.0313	0.00	<input type="checkbox"/>		
2	23	6 in. Insulation	0.5000	0.00	<input type="checkbox"/>		

# **ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

**Florida Department of Community Affairs**

**EnergyGauge FlaCom v1.22 FORM 400A-2001**

**Whole Building Performance Method for Commercial Buildings**

**Jurisdiction:** COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)

**Short Desc:** RimDes

**Project:** Rimrock Design

**Owner:** Micah Linton

**Address:** -

**City:** Lake City

**State:** FL

**Zip:** 0

**PermitNo:** 0

**Storeys:** 1

**Type:** Office (Business)

**GrossArea:** 8188

**Class:** New Finished building

**Net Area:** 8188

**Max Tonnage:** 4 (if different, write in)

## **Compliance Summary**

<b>Component</b>	<b>Design</b>	<b>Criteria</b>	<b><u>Result</u></b>
Gross Energy Use	80.86	100.00	PASSES
Other Envelope Requirements - A			PASSES
LIGHTING CONTROLS			PASSES
EXTERNAL LIGHTING			PASSES
HVAC SYSTEM			PASSES
PLANT			PASSES
WATER HEATING SYSTEMS			PASSES
PIPING SYSTEMS			PASSES
Met all required compliance from Check List?			Yes/No/NA

***IMPORTANT NOTE: An input report Print-Out from EnergyGauge FlaCom of this design building must be submitted along with this Compliance Report.***

# **COMPLIANCE CERTIFICATION:**

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Efficiency Code.

**PREPARED BY:** Nicholas Paul Geisler

**DATE:** 29 July 2005

I hereby certify that this building is in compliance with the Florida Energy Efficiency Code.

**OWNER AGENT:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, F.S.

**BUILDING OFFICIAL:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

If required by Florida law, I hereby certify (\*) that the system design is in compliance with the Florida Energy Code.

**REGISTRATION  
No.**

**ARCHITECT :**

**N. P. Geisler**

AR 0007005

**ELECTRICAL SYSTEM DESIGNER**

**LIGHTING SYSTEM DESIGNER:**

**MECHANICAL SYSTEM DESIGNER:**

**PLUMBING SYSTEM DESIGNER:**

(\*) Signature is required where Florida Law requires design to be performed by registered design professionals. Typed names and registration numbers may be used where all relevant information is contained on signed/sealed plans.

**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)  
**(WEA File:** JACKSONVILLE.TMY)

### Whole Building Compliance

	Design	Reference
<b>Total</b>	<b>80.86</b>	<b>100.00</b>
<b>ELECTRICITY</b>	<b>80.86</b>	<b>100.00</b>
<b>AREA LIGHTS</b>	<b>21.81</b>	<b>32.35</b>
<b>MISC EQUIPMT</b>	<b>6.44</b>	<b>6.44</b>
<b>PUMPS &amp; MISC</b>	<b>0.07</b>	<b>0.07</b>
<b>SPACE COOL</b>	<b>10.87</b>	<b>19.47</b>
<b>VENT FANS</b>	<b>41.66</b>	<b>41.66</b>

**Credits & Penalties (if any): Modified Points: = 80.86**

**PASSES**

**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)  
**(WEA File:** JACKSONVILLE.TMY)

### Other Envelope Requirements

Item	Zone	Description	Design	Limit	Meet Req.
Pr0Zo1Rf1	Pr0Zo1	Exterior Roof - Max Uo Limit	0.05	0.09	Yes
Pr0Zo1Rf2	Pr0Zo1	Exterior Roof - Max Uo Limit	0.05	0.09	Yes

**Meets Other Envelope Requirements**

**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA COUNTY,  
 FL (221000)  
**(WEA File:** JACKSONVILLE.TMY)

### External Lighting Compliance

Description	Category	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Exit (with or without Canopy)	25.00	20.0	500	60
Ext Light 2	Exit (with or without Canopy)	25.00	20.0	500	200

**Design:** 260 (W)

**Allowance:** 1000 (W)

**PASSES**

**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)  
**(WEA File:** JACKSONVILLE.TMY)

### Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	No. of Tasks	Design CP	Min CP	Compli- ance
Pr0ZolSp1	26	Offices (Partitions>4.5 ft below ceiling) Enclosed offices, all open plan offices without partitions	4,000	1	16	5	PASSES
Pr0ZolSp2	11	Stair - Active Traffic	188	1	3	2	PASSES
Pr0Zo2Sp1	99	Retail Establishments (Merchandising & Circulation Area) Applicable to all lighting, including accen	4,000	4	12	5	PASSES

**PASSES**

**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)  
**(WEA File:** JACKSONVILLE.TMY)

### System Report Compliance

**Pr0Sy1**      **System 1**      **Constant Volume Air Cooled**      **No. of Units**  
    **Split System < 65000 Btu/hr**      **2**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Cooled < 65000 Btu/h Cooling Capacity		12.00	10.00	8.00		PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.80			PASSES

**Pr0Sy2**      **System 2**      **Constant Volume Air Cooled**      **No. of Units**  
    **Split System < 65000 Btu/hr**      **4**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Cooled < 65000 Btu/h Cooling Capacity		12.00	10.00	8.00		PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.80			PASSES

**PASSES**

### Plant Compliance

Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
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**None**



**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA COUNTY,  
 FL (221000)  
**(WEA File:** JACKSONVILLE.TMY)

### Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Comp liance
Water Heater 1	Storage Water Heater - Electric	<=120 [gal] & <= 12 [kW]	0.90	0.88			PASSES

**PASSES**

**Project:** RimDes  
**Title:** Rimrock Design  
**Type:** Office (Business)  
**Location:** COLUMBIA COUNTY, COLUMBIA

### Piping System Compliance

Category	Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Cond [Btu-in/hr .SF.F]	Ins Thick [in]	Req Ins Thick [in]	Compliance
Domestic and Service Hot Water Systems	0.75	False	125.00	0.28	1.37	1.33	PASSES

**PASSES**

**Project: RimDes**

**Title: Rimrock Design**

**Type: Office (Business)**

**Location: COLUMBIA COUNTY, COLUMBIA**

### **Other Required Compliance**

<b>Category</b>	<b>Section</b>	<b>Requirement (write N/A in box if not applicable)</b>	<b>Check</b>
Infiltration	406.1	Infiltration Criteria have been met	<input type="checkbox"/>
System	407.1	HVAC Load sizing has been performed	<input type="checkbox"/>
Ventilation	409.1	Ventilation criteria have been met	<input type="checkbox"/>
ADS	410.1	Duct sizing and Design have been performed	<input type="checkbox"/>
T & B	410.1	Testing and Balancing will be performed	<input type="checkbox"/>
Electrical	413.1	Metering criteria have been met	<input type="checkbox"/>
Motors	414.1	Motor efficiency criteria have been met	<input type="checkbox"/>
Lighting	415.1	Lighting criteria have been met	<input type="checkbox"/>
O & M	102.1	Operation/maintenance manual will be provided to owner	<input type="checkbox"/>
Roof/Ceil	404.1	R-19 for Roof Deck with supply plenums beneath it	<input type="checkbox"/>
Report	101	Input Report Print-Out from EnergyGauge FlaCom attached?	<input type="checkbox"/>

# ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

EnergyGauge FlaCom v1.22

## INPUT DATA REPORT

### Project Information

**Project Name:** RimDes

**Orientation:** South

**Project Title:** Rimrock Design

**Building Type:** Office (Business)

**Address:** -

**Building Classificatio** New Finished building

**State:** FL

**No.of Storeys:** 1

**Zip:** 0

**GrossArea:** 8188

**Owner:** Micah Linton

### Zones

No	Acronym	Description	Type	Load Profile	Area [sf]	Multiplier	Total Area [sf]
1	Pr0Zo1	Zone 1	CONDITIONED	Uses Building Load Profile	4188.0	1	4188.0
2	Pr0Zo2	Zone 2	CONDITIONED	Uses Building Load Profile	4000.0	1	4000.0

## Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]
<b>In Zone: Pr0Zo1</b>									
1	Pr0Zo1Sp1	Zo0Sp1	Offices (Partitions>4.5 ft below ceiling) Enclosed offices, all open plan offices without partitions	100.00	40.00	8.00	1	4000.0	32000.0
2	Pr0Zo1Sp2	Zo0Sp2	Stair - Active Traffic	12.00	15.67	19.00	1	188.0	3572.8
<b>In Zone: Pr0Zo2</b>									
1	Pr0Zo2Sp1	Zo0Sp1	Retail Establishments (Merchandising & Circulation Area) Applicable to all lighting, including accen	40.00	100.00	11.00	1	4000.0	44000.0

## Lighting

No	Type	Power [W]	Control Type	No. of Ctrl pts
<b>In Zone: Pr0Zo1</b>				
<b>In Space: Pr0Zo1Sp1</b>				
1	Recessed Fluorescent - No vent	5400.00	Manual On/Off	9
2	Compact Fluorescent	800.00	Manual On/Off	3
3	Incandescent	300.00	Manual On/Off	4
<b>In Space: Pr0Zo1Sp2</b>				
1	Incandescent	420.00	Manual On/Off	3
<b>In Zone: Pr0Zo2</b>				
<b>In Space: Pr0Zo2Sp1</b>				
1	Recessed Fluorescent - No vent	6400.00	Manual On/Off	8
2	Incandescent	240.00	Manual On/Off	4

## Walls

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Direction	Conductance [Btu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.s.f.F/Btu]
<b>In Zone: Pr0Zo1</b>											
1	Pr0Zo1Wa1	Metal siding/2x4@24"+R1 1 Batt/5/8"Gyp	100.00	8.00	1	800.0	North	0.0920	1.0718	19.38	10.87
2	Pr0Zo1Wa2	Metal siding/2x4@24"+R1 1 Batt/5/8"Gyp	40.00	8.00	1	320.0	West	0.0920	1.0718	19.38	10.87
3	Pr0Zo1Wa3	Metal siding/2x4@24"+R1 1 Batt/5/8"Gyp	100.00	8.00	1	800.0	South	0.0920	1.0718	19.38	10.87
4	Pr0Zo1Wa4	Metal siding/2x4@24"+R1 1 Batt/5/8"Gyp	40.00	8.00	1	320.0	East	0.0920	1.0718	19.38	10.87
5	Pr0Zo1Wa5	Metal siding/2x4@24"+R1 1 Batt/5/8"Gyp	15.67	19.00	1	297.7	North	0.0920	1.0718	19.38	10.87
6	Pr0Zo1Wa6	Metal siding/2x4@24"+R1 1 Batt/5/8"Gyp	12.00	19.00	1	228.0	East	0.0920	1.0718	19.38	10.87
7	Pr0Zo1Wa7	Metal siding/2x4@24"+R1 1 Batt/5/8"Gyp	15.67	19.00	1	297.7	South	0.0920	1.0718	19.38	10.87
<b>In Zone: Pr0Zo2</b>											
1	Pr0Zo2Wa1	Metal siding/2x4@24"+R1 1 Batt/5/8"Gyp	100.00	40.00	1	4000.0	South	0.0920	1.0718	19.38	10.87
2	Pr0Zo2Wa2	Metal siding/2x4@24"+R1 1 Batt/5/8"Gyp	40.00	11.00	1	440.0	West	0.0920	1.0718	19.38	10.87
3	Pr0Zo2Wa3	Metal siding/2x4@24"+R1 1 Batt/5/8"Gyp	100.00	11.00	1	1100.0	North	0.0920	1.0718	19.38	10.87

4	Pr0Zo2Wa4	Metal siding/2x4@24"+R1 1Batt/5/8"Gyp	28.00	11.00	1	308.0	East	0.0920	1.0718	19.38	10.87	<input type="checkbox"/>
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## Windows

No	Description	Type	Shaded	UCen [Btu/hr sf F]	SC	Vis.Tr	W [ft]	H (Effec) [ft]	Multi plier	Total Area [sf]	
<b>In Zone: Pr0Zo1</b>											
In Wall	Pr0Zo1Wa1	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	6.00	5.00	7	210.0	<input type="checkbox"/>
In Wall	Pr0Zo1Wa2	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	9.00	4.00	1	36.0	<input type="checkbox"/>
In Wall	Pr0Zo1Wa3	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	14.00	4.00	3	168.0	<input type="checkbox"/>
In Wall	Pr0Zo1Wa4	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	6.00	5.00	1	30.0	<input type="checkbox"/>
In Wall	Pr0Zo1Wa6	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	8.17	18.00	1	147.1	<input type="checkbox"/>
In Wall	Pr0Zo1Wa7	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	12.83	18.00	1	230.9	<input type="checkbox"/>
<b>In Zone: Pr0Zo2</b>											
In Wall	Pr0Zo2Wa1	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	14.33	9.00	4	515.9	<input type="checkbox"/>
In Wall	Pr0Zo2Wa2	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	9.00	9.00	1	81.0	<input type="checkbox"/>
	2	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	12.00	9.00	1	108.0	<input type="checkbox"/>
In Wall	Pr0Zo2Wa4	DOUBLE REF B TINT-L IG	No	0.6039	0.18	0.05	6.00	9.00	2	108.0	<input type="checkbox"/>

## Doors

No	Description	Type	Shaded?	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Dens. Heat Cap. [lb/cf] [Btu/sf. F]	R-Value [h.s.f.F/Btu]
<b>In Zone: Pr0Zo1</b>										
<b>In Wall: Pr0Zo1Wa1</b>										
1	Pr0Zo1Wa1Dr1	Solid core flush	No	3.00	6.67	1	20.0	0.5834	0.00	1.71
<b>In Zone: Pr0Zo2</b>										
<b>In Wall: Pr0Zo2Wa3</b>										
1	Pr0Zo2Wa3Dr1	Solid core flush	No	3.00	7.00	4	21.0	0.5834	0.00	1.71

## Roofs

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Tilt [deg]	Cond. [Btu/hr. Sf. F]	Heat Cap [lb/cf] [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.s.f.F/Btu]
<b>In Zone: Pr0Zo1</b>											
1	Pr0Zo1Rf1	Mtl Bldg Roof/R-19 Batt	100.00	40.00	1	4000.0	0.00	0.0492	1.34	9.49	20.34
2	Pr0Zo1Rf2	Mtl Bldg Roof/R-19 Batt	15.67	12.00	1	188.0	0.00	0.0492	1.34	9.49	20.34

## Skylights

No	Description	Type	UCen [Btu/hr sf F]	Shading Coeff	Vis. Tran	W [ft]	H (Effec) [ft]	Multiplier	Area [Sf]	Total Area [Sf]
<b>In Zone:</b>										
<b>In Roof:</b>										

## Floors

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Heat Cap. Dens. [Btu/sf. F]	R-Value [h.s.f.F/Btu]
<b>In Zone: Pr0Zo1</b>									
1	Pr0Zo1FI1	Concrete floor, carpet and rubber pad	100.00	40.00	1	4000.0	0.5987	9.33	140.00
									1.67
2	Pr0Zo1FI2	Concrete floor, carpet and rubber pad	15.67	12.00	1	188.0	0.5987	9.33	140.00
									1.67
<b>In Zone: Pr0Zo2</b>									
1	Pr0Zo2FI1	Concrete floor, carpet and rubber pad	100.00	40.00	1	4000.0	0.5987	9.33	140.00
									1.67

## Systems

Pr0Sy1		System 1	Constant Volume Air Cooled Split System < 65000 Btu/hr				No. Of Units
Component	Category		Capacity	Efficiency	IPLV		2
1	Cooling System (Air Cooled < 65000 Btu/h Cooling Capacity)		48000.00	12.00	8.00		
2	Air Handling System -Supply (Air Handler (Supply) - Constant Volume)		1600.00	0.80			
Pr0Sy2		System 2	Constant Volume Air Cooled Split System < 65000 Btu/hr				No. Of Units
Component	Category		Capacity	Efficiency	IPLV		4
1	Cooling System (Air Cooled < 65000 Btu/h Cooling Capacity)		18000.00	12.00	8.00		
2	Air Handling System -Supply (Air Handler (Supply) - Constant Volume)		1600.00	0.80			



Plant				
Equipment	Category	Size	Inst.No	Eff. IPLV
				<input type="checkbox"/>

Water Heaters				
W-Heater Description	Capacit Cap.Unit	I/P Rt.	Efficienc	Loss
1 Storage Water Heater - Electric	40 Gal	3 [kW]	0.9000 [EF]	[%/hr] <input type="checkbox"/>

Ext-Lighting				
Description	Categories.	Area/Len/No. of units [sf/ft/No]	Wattage [W]	
1 Ext Light 1	Exit (with or without Canopy)	20.00	60.00	<input type="checkbox"/>
2 Ext Light 2	Exit (with or without Canopy)	20.00	200.00	<input type="checkbox"/>

Piping				
No	Type	Operating Temperature [F]	Insulation Conductivity [ Btu-in/h.sf.F]	Nomonal pipe Diameter [in]
1	Domestic and Service Hot Water Systems	125.00	0.28	0.75
				1.37
				No <input type="checkbox"/>

Fenestration Used				
Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SC
				VLT
				Frame Conductance [Btu/h.sf.F]
				Frame Absorptance

ApLbWnd9	DOUBLE REF B TINT-L IG	2	0.6039	0.1800	0.0450	0.4340	0.7000	<input type="checkbox"/>
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## Materials Used

Mat No	Acronym	Description	Only R-Value Used	RValue [h.s.f.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHea t
18	Mat118	2 in. Wood	No	2.3857	0.1670	0.0700	37.00	0.3900
264	Mat1264	ALUMINUM, 1/16 IN	No	0.0002	0.0050	26.0000	480.00	0.1000
214	Mat1214	POLYSTYRENE, EXP., 1-1/4IN,	No	5.2100	0.1042	0.0200	1.80	0.2900
187	Mat1187	GYP OR PLAS BOARD, 1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000
206	Mat1206	CELLULOSE, FILL, 5.5IN, R- 20	No	20.8318	0.4583	0.0220	3.00	0.3300
151	Mat1151	CONC HW, DRD, 140LB, 4IN	No	0.4403	0.3333	0.7570	140.00	0.2000
178	Mat1178	CARPET W/RUBBER PAD	Yes	1.2300				
265	Mat1265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000
48	Mat148	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000
123	Mat1123	CONC BLOCK MW, 8IN, HOLLOW	No	1.7227	0.6667	0.3870	53.00	0.2000
159	Mat1159	CONC HW-UNDRD-140LB-4IN	No	0.3202	0.3333	1.0410	140.00	0.2000
57	Mat157	3/4 in. Plaster or gypsum	No	0.1488	0.0625	0.4200	100.00	0.2000
72	Mat172	AIR LAYER, 3/4IN OR LESS, VERT. WALLS	Yes	0.9000				
267	Mat1267	0.75" stucco	No	0.1563	0.0625	0.4000	16.00	0.2000
266	Mat1266	2x4@16" oc + R11 Batt	No	8.3343	0.2917	0.0350	9.70	0.2000
215	Mat1215	POLYSTYRENE, EXP., 2IN,	No	8.3350	0.1667	0.0200	1.80	0.2900
105	Mat1105	CONC BLK HW, 8IN, HOLLOW	No	1.1002	0.6667	0.6060	69.00	0.2000
256	Mat1256	WOOD, SOFT, 1-1/2IN	No	1.8939	0.1250	0.0660	32.00	0.3300
268	Mat1268	0.625" stucco	No	0.1302	0.0521	0.4000	16.00	0.2000
42	Mat142	8 in. Lightweight concrete block	No	2.0212	0.6670	0.3300	38.00	0.2000

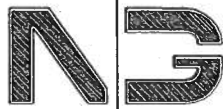
269	Matl269	.75" ISO BTWN24" oc	No	2.2321	0.0625	0.0280	4.19	0.3000	<input type="checkbox"/>
86	Matl86	BRICK, COMMON, 4IN	No	0.8012	0.3333	0.4160	120.00	0.2000	<input type="checkbox"/>
211	Matl211	POLYSTYRENE,EXP.,1/2I N <sub>2</sub>	No	2.0850	0.0417	0.0200	1.80	0.2900	<input type="checkbox"/>
12	Matl12	3 in. Insulation	No	10.0000	0.2500	0.0250	2.00	0.2000	<input type="checkbox"/>
218	Matl218	POLYURETHANE,EXP.,1/2 IN <sub>2</sub>	No	3.2077	0.0417	0.0130	1.50	0.3800	<input type="checkbox"/>
23	Matl23	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000	<input type="checkbox"/>
4	Matl4	Steel siding	No	0.0002	0.0050	26.0000	480.00	0.1000	<input type="checkbox"/>
271	Matl271	2x4@24" oc + R11 Batt	No	10.4179	0.2917	0.0280	7.11	0.2000	<input type="checkbox"/>
272	Matl272	Panel with 7/16" panels	Yes	0.9044					<input type="checkbox"/>
273	Matl273	Hollow core flush (1.375")	Yes	1.2777					<input type="checkbox"/>
274	Matl274	Solid core flush (1.375")	Yes	1.7141					<input type="checkbox"/>
275	Matl275	Panel with 7/16" panels (1.375")	Yes	1.0019					<input type="checkbox"/>
276	Matl276	Hollow core flush (1.75")	Yes	1.3239					<input type="checkbox"/>
277	Matl277	Panel with 1-1/8" panels (1.75")	Yes	1.7141					<input type="checkbox"/>
278	Matl278	Solid core flush (1.75")	Yes	1.6500					<input type="checkbox"/>
279	Matl279	Solid core flush (2.25")	Yes	2.8537					<input type="checkbox"/>
280	Matl280	Fiberglass/Mineral wool core	Yes	0.8167					<input type="checkbox"/>
281	Matl281	Paper Honeycomb core	Yes	0.9357					<input type="checkbox"/>
282	Matl282	Solid Urethane foam core	Yes	1.6500					<input type="checkbox"/>
283	Matl283	Solid mineral fiberboard core	Yes	1.7816					<input type="checkbox"/>
284	Matl284	Polystyrene core (18 ga steel) 1	Yes	2.0071					<input type="checkbox"/>
285	Matl285	Polyurethane core (18 ga steel) 2	Yes	2.5983					<input type="checkbox"/>
286	Matl286	Polyurethane core (24 ga steel) 1	Yes	2.5983					<input type="checkbox"/>
287	Matl287	Polyurethane core (24 ga steel) 2	Yes	4.1500					<input type="checkbox"/>
288	Matl288	Solid Urethane foam core	Yes	4.1500					<input type="checkbox"/>
81	Matl81	ASPHALT-ROOFING, ROLL	Yes	0.1500					<input type="checkbox"/>
244	Matl244	PLYWOOD, 1/2IN	No	0.6318	0.0417	0.0660	34.00	0.2900	<input type="checkbox"/>
185	Matl185	CLAY TILE, PAVER, 3/8IN	No	0.0301	0.0313	1.0410	120.00	0.2000	<input type="checkbox"/>

82	Mat182	ASPHALT-SHINGLE AND SIDING	Yes	0.4400						<input type="checkbox"/>
11	Mat111	2 in. Insulation	No	6.6800	0.1670	0.0250	2.00	0.2000		<input type="checkbox"/>
47	Mat147	2 in. Heavyweight concrete	No	0.1670	0.1670	1.0000	140.00	0.2000		<input type="checkbox"/>
95	Mat195	CONC BLOCK	No	0.7107	0.3333	0.4690	101.00	0.2000		<input type="checkbox"/>
248	Mat1248	HW-4IN-HOLLOW ROOF GRAVEL OR SLAG1/2IN	No	0.0500	0.0417	0.8340	55.00	0.4000		<input type="checkbox"/>
94	Mat194	BUILT-UP ROOFING, 3/8IN	No	0.3366	0.0313	0.0930	70.00	0.3500		<input type="checkbox"/>

### Constructs Used

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.s.f.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	R Value [h.s.f.F/Btu]	
1004	Concrete floor, carpet and rubber pad	No	No	0.60	9.33	140.00	1.6703	<input type="checkbox"/>
Layer	Material No.	Material	Thickness [ft]	Framing Factor				
1	151	CONC HW, DRD, 140LB, 4IN	0.3333	0.00				<input type="checkbox"/>
2	178	CARPET W/RUBBER PAD		0.00				<input type="checkbox"/>
No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.s.f.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	R Value [h.s.f.F/Btu]	
1019	Metal siding/2x4@24"+R11 Batt/5/8"Gyp	No	No	0.09	1.07	19.38	10.8713	<input type="checkbox"/>
Layer	Material No.	Material	Thickness [ft]	Framing Factor				
1	4	Steel siding	0.0050	0.00				<input type="checkbox"/>
2	271	2x4@24" oc + R11 Batt	0.2917	0.00				<input type="checkbox"/>
3	187	GYP OR PLAS BOARD, 1/2IN	0.0417	0.00				<input type="checkbox"/>

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]
1023	Solid core flush	No	Yes	0.58			1.7141 <input type="checkbox"/>
	Layer	Material No.	Material	Thickness [ft]	Framing Factor		
	1	274	Solid core flush (1.375")		0.00		<input type="checkbox"/>
No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]
1047	Mtl Bldg Roof/R-19 Batt	No	No	0.05	1.34	9.49	20.3366 <input type="checkbox"/>
	Layer	Material No.	Material	Thickness [ft]	Framing Factor		
	1	94	BUILT-UP ROOFING, 3/8IN	0.0313	0.00		<input type="checkbox"/>
	2	23	6 in. Insulation	0.5000	0.00		<input type="checkbox"/>



**NICHOLAS  
PAUL  
GEISLER  
ARCHITECT**  
N.C.A.R.B. Certified

■ 1758 NW Brown Road  
■ Lake City, FL 32055  
■ 386/755-9021

22 NOVEMBER 2005

JOE HALTIWANGER, PLANS REVIEW  
COLUMBIA COUNTY, BUILDING DEPT.  
COLUMBIA COUNTY COURTHOUSE ANNEX  
LAKE CITY, FLORIDA 32055

RE: RIMROCK DEVELOPMENT, INC.  
PLAN REVIEW Nr.: 0510-51

DEAR SIR:

WITH REGARD TO THE PLAN REVIEW NOTES YOU HAVE PROVIDED, THE FOLLOWING CLARIFICATIONS AND CORRECTIONS ARE PROVIDED. ITEM NUMBERS MATCH YOUR COMMENTS.

FIRST FLOOR - FUTURE TENNENT AREA

1. PROVIDED BY OTHERS.
2. SHELL ONLY, THIS PERMIT - NO TENNENT BUILD-OUTS - SEE ATTACHMENT.
3. SHELL ONLY, THIS PERMIT - NO TENNENT BUILD-OUTS.
4. SHELL ONLY, THIS PERMIT - NO TENNENT BUILD-OUTS.
5. SHELL ONLY, THIS PERMIT - NO TENNENT BUILD-OUTS.
6. SEE ATTACHMENT.

SECOND FLOOR - RIMROCK DEVELOPMENT, INC.

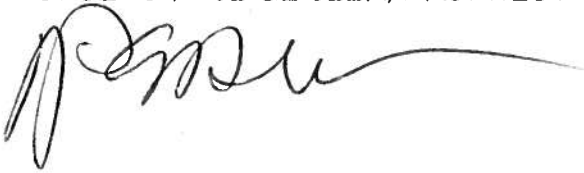
1. BUILDING IS TYPE III-B, WITH LESS THAN 50 OCCUPANTS: MIN. STAIR WIDTH 36".
2. SEE A/A2, INT. 4 C/A.1, EXT. - SEE ALSO, ATTACHMENT FOR BALCONY/BALUSTERS
3. BUILDING IS TYPE III-B, WOOD PERMITTED AT INTERIOR LOCATIONS
4. SEE ATTACHMENT.
5. SEE ATTACHMENT.
6. SEE ATTACHMENT.
7. PROVIDED BY OTHERS.
8. SEE ATTACHMENT.

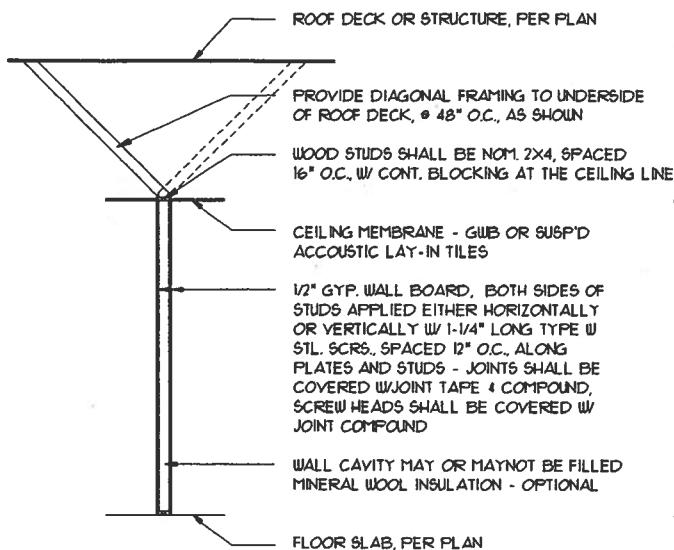
PAGE 2

- 9. SEE ATTACHMENT.
- 10. PROVIDED BY OTHERS.
- 11. SEE ATTACHMENT.
- 12. SEE ATTACHMENT.

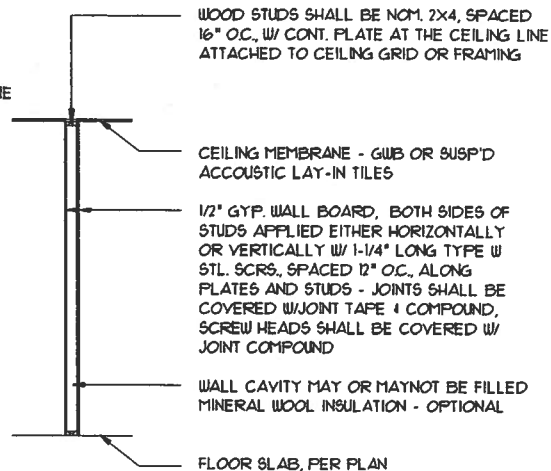
FOLLOWING REVIEW OF THE VARIOUS ATTACHMENTS, SHOULD YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL FOR ASSISTANCE.

YOURS TRULY,  
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005

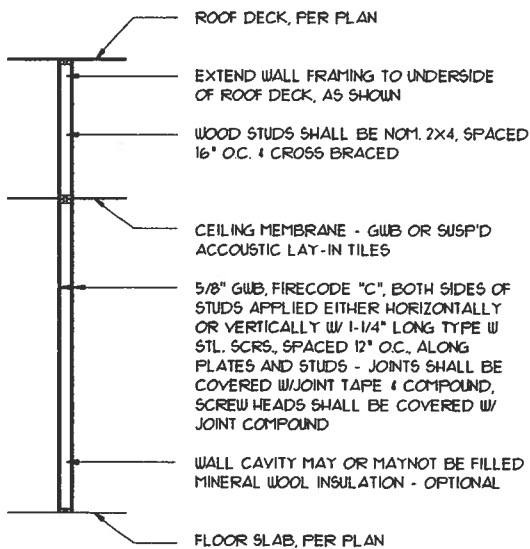
A handwritten signature in black ink, appearing to read 'N. Geisler', with a long horizontal flourish extending to the right.



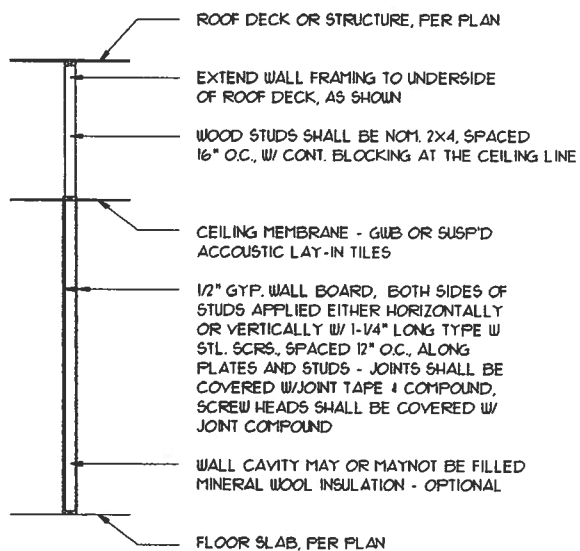
**TYPE 3**  
NON-BEARING INTERIOR PARTITION, FRAMING  
TOP SUPPORTED TO STRUCTURE, ABOVE W/  
ALTERNATING DIAGONAL BRACES



**TYPE 4**  
NON-BEARING INTERIOR PARTITION, FRAMING  
W/ TOP PLATE SECURED TO CEILING VIA GRID  
OR CEILING FRAMING - WALL DOES NOT BREAK  
PLANE OF CEILING



**TYPE 1**  
1 HOUR FIRE RESISTIVE WALL BETWEEN TENNENT  
AREAS EQUAL TO UL Des. U333 - NON-BEARING



**TYPE 2**  
NON-BEARING INTERIOR PARTITION, FRAMING  
EXTENDING TO ROOF DECK OR FRAMING

# TYPICAL INTERIOR PARTITIONS

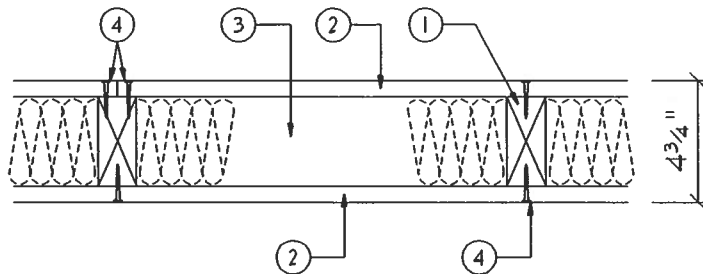
SCALE: NONE

*Rim*  
MAR 7 2005



## Design No. U333

Bearing Wall Rating-1 Hr.  
Finish Rating-23 Min.



1 Wood Studs-Nom 2 by 4 in., spaced 16 in. D.C. effectively cross-braced.

2. Gypsum Wallboard\*-5/8 in. thick, 4 ft wide, applied either vertically or horizontally, screw attached to studs and plates with 1 1/4 in. long Type W steel screws, spaced 12 in. D.C.

Canadian Gypsum Co. Ltd-Type C.  
Georgia-Pacific Corp., Gypsum Div.-Type GFPS-C.  
United States Gypsum Co.-Type C or IP-X2.

3. Batts and Blankets\*-(Optional)-Mineral wool insulation, partially or completely filling stud cavity.

USG Interiors Inc.  
United States Gypsum Co.

4. Joints and Nailheads-Wallboard joints covered with paper tape and joint compound. Screwheads covered with joint compound.

\*Bearing the UL Classification Marking

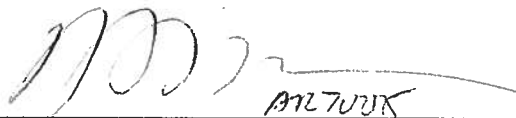
*M. J. ...*  
AR27035

## TERMITE PROTECTION NOTES:

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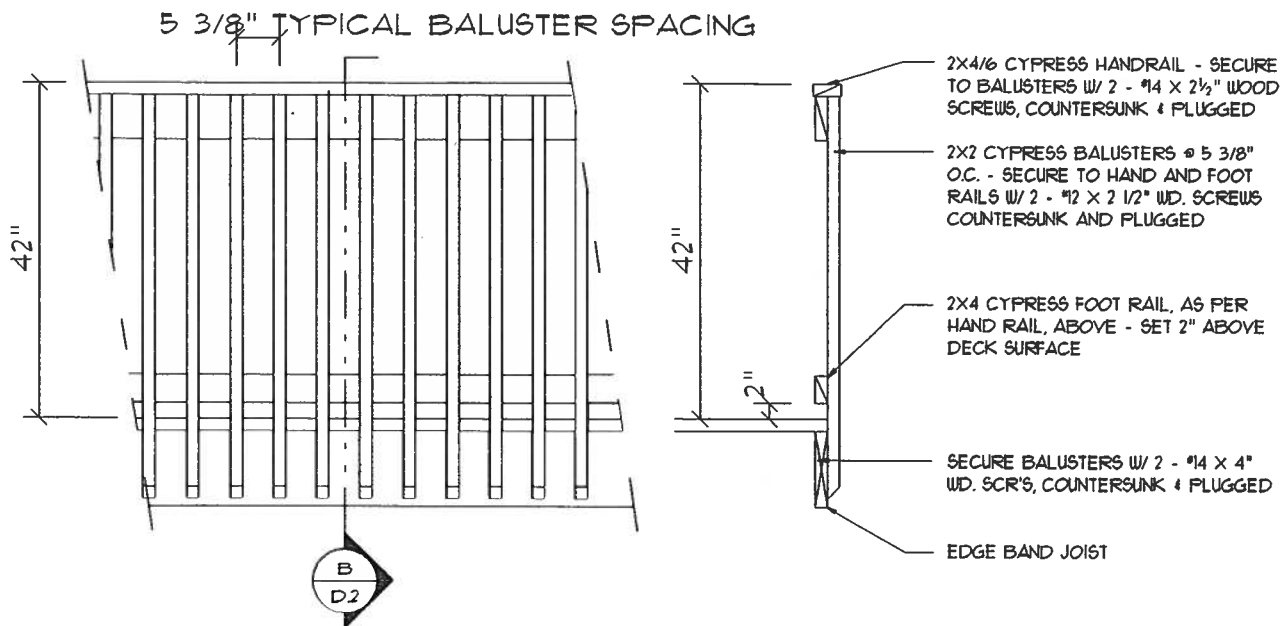
### SOIL CHEMICAL BARRIER METHOD:

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6
2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6".  
EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6
5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2
7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3
8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4
9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5
10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6
11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1816.1.6
12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7
13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY \* LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1816.1.7
14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4



M. J. T.

28 NOV 2005



### Balc.Rail'g ELEV.

SCALE: 3/4" = 1'-0"

A

### Balc.Railing SEC.

SCALE: 3/4" = 1'-0"

B

### GENERAL NOTES:

1. ALL LUMBER SHALL BE SOUTHERN BALD CYPRESS (RED OR YELLOW), GRADE 2 OR BETTER.
2. FASTENERS SHALL BE AS FOLLOWS:  
#12d GALVANIZED FINISH NAILS  
#14 X 4" GALV. WOOD SCREWS  
#14 X 2 1/2" GALV. WOOD SCREWS  
REFER TO DETAILS FOR APPLICATION.
3. ALL WOOD SHALL BE SMOOTH SANDED READY FOR APPLIED FINISH, AS DIRECTED BY THE OWNER.
4. ALL CUTS SHALL BE MADE PLUMB AND SQUARE.
5. FINISH NAILS SHALL BE SET BELOW SURFACE OF ATTACHED MEMBER.
6. ALL SCREW HEADS SHALL BE COUNTERSUNK AND PLUGGED, FLUSH WITH SURROUNDING WOOD SURFACE.
7. JOB CONDITIONS AS ENCOUNTERED SHALL BE TREATED PER THESE TYPICAL DETAILS - RAILINGS SHALL BE A MINIMUM OF 42" ABOVE WALKING SURFACE AND ALL OPENINGS SHALL BE LIMITED TO REJECT A 4" BALL.

*MD*  
APR 7 2005

ATTACHMENT 2-4 / RIMROCK DEVELOPMENT, INC. Nr.: 0510-51

$$\text{AVERAGE FOOTCANDLES} = \frac{\text{LUMENS/LAMP} \times \text{LAMPS/LUMINAIRE} \times \text{CU} \times \text{LLD} \times \text{LDD}}{\text{AREA OF ROOM (SQFT)}}$$

WHERE:

CU = COEFFICIENT OF UTILIZATION

LLD = LAMP LUMEN DEPRECIATION

LDD = LUMINAIRE DIRT DEPRECIATION

CU = 0.61 FOR PLASTIC LENSE

LLD = 0.83

LDD = 0.85

AREA = 175 SQFT

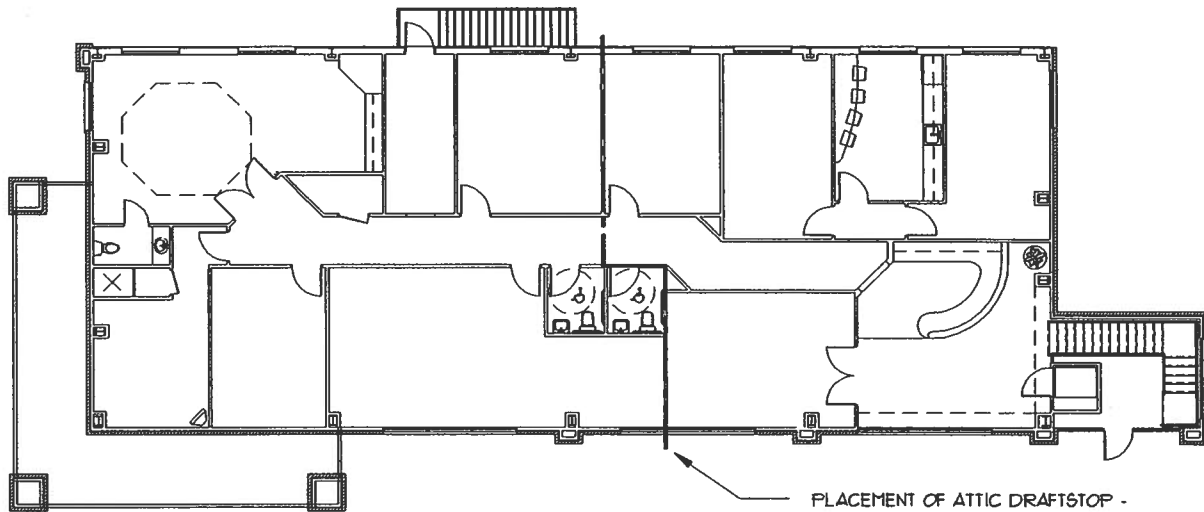
LAMPS = 4 - 40W FLU.

LUMENS/LAMP = 3100

$$\text{AVERAGE FOOTCANDLES} = \frac{3100 \times 4 \times .61 \times .83 \times .85}{175} = 33.49 \text{ FOOTCANDLES/SQFT}$$

33.49 FC IS GREATER THAN 10.00 FC, THEREFORE, OK

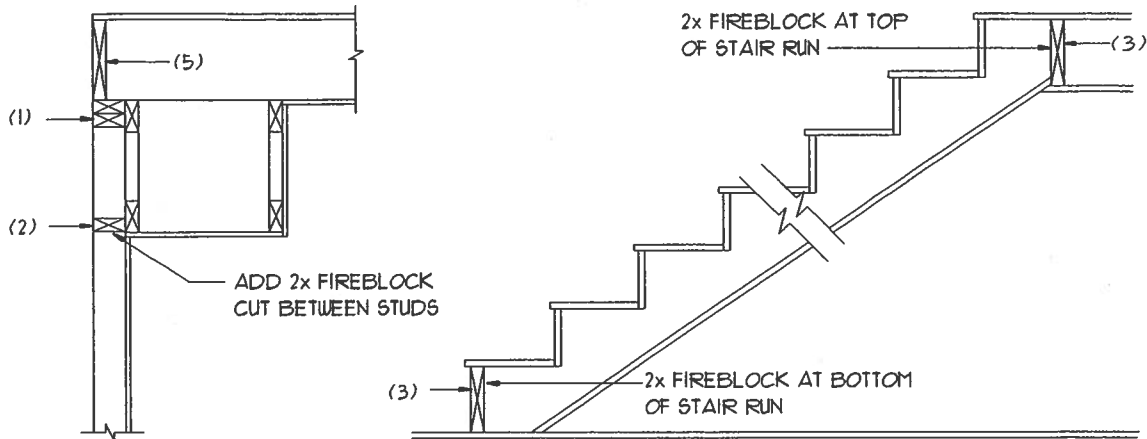
ATTACHMENT 2-6 / RIMROCK DEVELOPMENT, INC. Nr.: 0510-51



PLACEMENT OF ATTIC DRAFTSTOP -  
REFER TO WALL TYPE 1, ATTACHMENT 1-2  
FOR WALL CONSTRUCTION, ABOVE CEILING  
APPLY GWB TO ONE SIDE OF WALL, ONLY.

*[Handwritten signature]*

28 NOV 2005

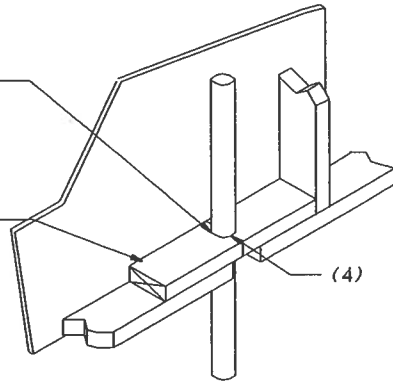


SOFFIT/DROPPED CLG.

BETWEEN STAIR STRINGERS

NONCOMBUSTIBLE  
FIREBLOCK

2x SCAB TO  
REDUCE OPENING



#### FIREBLOCKING NOTES:

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.

2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN.
4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"
5. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

PENETRATIONS

## Fire Stopping DETAILS

SCALE: NONE

*Handwritten signature and date: 12/10/15*

ATTACHMENT 2-9 / RIMROCK DEVELOPMENT, INC. Nr.: 0510-57

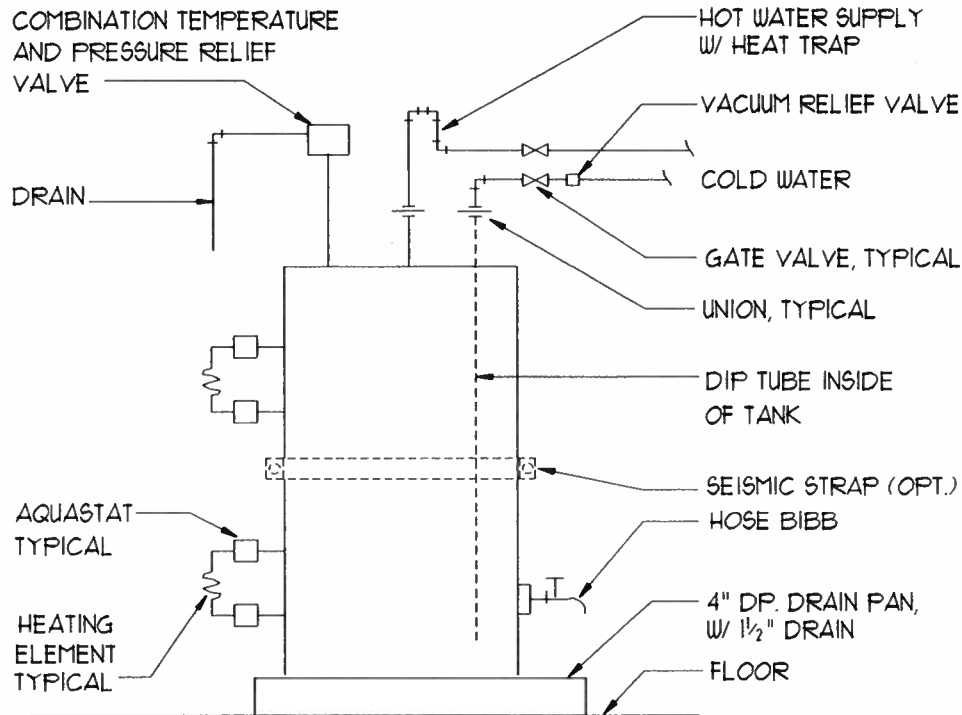
ADD THE FOLLOWING NOTE TO SHEET A.7

NOTE:

2nd FLOOR FRAMING SYSTEM SHALL BE DESIGNED TO SUSTAIN THE FOLLOWING APPLIED LIVE LOADS:

OFFICE AREAS:	50 PSF	2000 LBS CONCENTRATED LOAD
CORRIDORS:	80 PSF	2000 LBS CONCENTRATED LOAD

ATTACHMENT 2-11 / RIMROCK DEVELOPMENT, INC. Nr.: 0510-57



## Electric Water Heater DETAIL

SCALE: NONE

NOTE ! PLACE WATER HEATER IN HALL CLOSET

B

*Handwritten signature and date:*  
M. J. J. 11/7/05

RIMROCK DEVELOPMENT, INC. LOAD COMPUTATION:

LOAD:	KW
FLU LIGHTING	6500 W
INC LIGHTING	2100 W
BATH FANS	540 W
GP RECEPTICALS	15480 W
REF	1200 W
EWB	3000 W
AC Nr.1	10800 W
AC Nr.2	10800 W

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SUB-TOTAL LOAD	50420 W
+ 25% LM	2700 W

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TOTAL LOAD	53120 W
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FEEDER SIZE:

53120 W / 240 V = 221.33 AMPERS


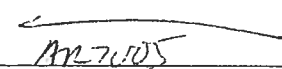
USE: 2 #4/0-THW-Cu, 1 #3/0-THW-Cu-NEUT. & 1 #2-Cu-GND  
WITH 2 1/2" CONDUIT

PNL "R":

225 AMPER - 120/240V - 1 $\phi$  - 4 WIRE - 40 SLOT

NOTE!

THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS  
AND DISCONNECT SWITCHES SHALL BE 22,000 AIC.

28 NOV 2005

**From:** The Columbia County Building Department  
Plans Review  
135 NE Hernando Av.  
P. O Box 1529  
Lake City Florida, 32056-1529

**Reference to: Build permit application Number: 0510-57 Simque  
Construction owners Rimrock Development Inc. Gleason  
Place.**

On the date of September 8, 2005 application 0510-57 and plans for construction of a two story building with occupancies groups (B business group) and (M mercantile group) areas were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

**Please include application number 0510-57 when making  
reference to this application.**

M mercantile group first story 4,800 square feet.

B business group second story 4,800 square feet.

Total occupiable space 9,600 square feet.

Type construction III construction is that type of construction in which the exterior walls are of noncombustible materials and the interior building elements are of any material permitted by this code.

**First Floor**

1. Please submit product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 for all windows and doors which will be placed within the shear wall of the building (include the second floor doors and windows).
2. Show a typical wall section which will serve as a one-hour wall for tenant separation requirements of the FBC-2004 sections 708: Fire partitions 708.1 General: 5. Wall separating individual tenant spaces.
3. Show the location of the HVAC equipment each tenant.
4. Show the electrical panel for each tenant, along with the amperage rating for each electrical panel.



5. Show the method of providing Emergency lighting facilities for means of egress as required by the FBC-2004 sections 1006.2.1.

6. On the foundation plan show the method of termite treatment.

**Second Floor B business group 4,800 square feet.**

1. Give the width of the interior stairs treads: show compliance with the FBC-2004 section:

1009.1 Stairway widths. The width of stairways shall be determined as specified in Section

1005.1, but such width shall not be less than 44 inches (1118 mm). See Section 1007.1 for

accessible means of egress stairways. Exceptions: 1. Stairways serving an occupant load of 50 or less shall have a width of not less than 36 inches (914 mm).

2. Show compliance with the FBC-2004 section 1009: construction of guards and handrails for both the interior stairs and the exterior stairs.

3. Show compliance with the FBC-2004 section 1009.5 Stairway construction.

All stairways shall be built of materials consistent with the types permitted for the type of construction of the building, except that wood handrails shall be permitted for all types of construction.

4. Show full compliance with the FBC-2004 section 1006 Means of egress: illumination and signs. 1006.1.3 The floors and other walking surfaces within an exit and within the portions of the exit access and exit discharge designated in Section 1006.1.1 shall be illuminated to values of at least 1 footcandle (10 lux) measured at the floor. During conditions of stair use, the minimum illumination for new stairs shall be at least 108 lux (10 foot-candle), measured at the walking surface.

**5. Show the method of construction of the corridor to comply with FBC-2004 sections 1016.1**

**Corridors Construction: Corridors shall be fire-resistance rated in accordance with Table 1016.1.**

**The corridor walls required to be fire-resistance rated shall comply with Section 708 for fire partitions and submit the fire rating for all doors, door hardware and self closing hardware which are located within the corridors walls.**

**6. Show the method of draftstopping in the second floor attic area which contains 4,800 square feet.**

**As required in section 717.4.3 of the FBC-2004: Draftstopping shall be installed in attics and concealed roof spaces, such that any horizontal area does not exceed 3,000 square feet (279 m<sup>2</sup>).**

**7. Show the location of the HVAC equipment and if the duct system penetrations through the Corridors show the method of fireblocking.**

**8. Show the method of fireblocking as required by the FBC-2004 section 717: 717.2.2 Concealed wall spaces. Fireblocking shall be provided in concealed spaces of stud walls and partitions, including furred spaces, and parallel rows of studs or staggered studs, as follows:**

- a. Vertically at the ceiling and floor levels.**
- b. Horizontally at intervals not exceeding 10 feet (3048 mm).**

**717.2.3 Connections between horizontal and vertical spaces.**

**Fireblocking shall be provided at interconnections between concealed vertical stud walls or partition spaces and concealed horizontal spaces created by an assembly of floor joists or trusses, and between concealed vertical and horizontal spaces such as occur at soffits, drop ceilings, cove ceilings and similar locations.**

**717.2.4 Stairways. Fireblocking shall be provided in concealed spaces between stair stringers at the top and bottom of the run. Enclosed spaces under stairs shall also comply with Section 1019.1.5.**

**9. Show compliance with the FBC-2004 sections 1607 Live Loads Table 1607.12.**

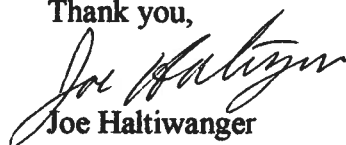
OCCUPANCY OR USE	UNIFORM (psf)	CONCENTRATED (lbs.)
<b>25. Office buildings</b>		
File and computer rooms shall be designed for heavier loads based on anticipated occupancy Lobbies and first floor corridors	100	2,000
Offices	50	2,000
Corridors above first floor	80	2,000

**10. Provide shop drawing of the vertical wheelchair plat form lift and enclosure.**

**11. Show the location of the Water heater and heater capacity to include drain pan with overflow discharge drain size.**

**12. Provide the location of the second floor electrical panel and the electrical panel amperage rating.**

Thank you,



**Joe Haltiwanger  
Plan Examiner  
Columbia County Building Department**

## **COLUMBIA COUNTY BUILDING DEPARTMENT**

### **COMMERCIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 WITH AMENDMENTS**

**ALL REQUIREMENTS LISTED ARE SUBJECT TO CHANGE**  
**EFFECTIVE MARCH 1, 2002**

**ALL BUILDING PLANS MUST INCLUDE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 WITH AMENDMENTS BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SIGNATURE AND SEAL OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA. THE FOLLOWING BASIC WIND SPEED AS PER SECTION 1606 SHALL BE USED.**

**WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75**

- 1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH**
- 2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ----- 110 MPH**
- 3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION**

#### **APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

**GENERAL REQUIREMENTS:** Two (2) complete sets of plans containing a floor plan, site plan, foundation plan, floor/roof framing plan or truss layout, wall sections and all exterior elevations with the following criteria and documents:

#### **Applicant**

#### **Plans Examiner**

- |                                     |                          |   |
|-------------------------------------|--------------------------|---|
| <input type="checkbox"/>            | <input type="checkbox"/> | All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Designers name and signature on document (FBC 104.2.1) If licensed architect or engineer, official seal shall be affixed.   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <b><u>Two (2) Copies of Approved Site Plan</u></b>  |
| <input type="checkbox"/>            | <input type="checkbox"/> | <b><u>Minimum Type Construction</u></b> (FBC Table 500)   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <b><u>Wind Load Engineering Summary, calculations and any details required:</u></b><br>a) Plans or specifications must state compliance with FBC Section 1606<br>b) The following information must be shown as per section 1606.1.7 FBC <ol style="list-style-type: none"><li>1. Basic wind speed (MPH)</li><li>2. Wind importance factor (I) and building category</li><li>3. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated</li><li>4. The applicable internal pressure coefficient</li><li>5. Components and Cladding. The design wind pressure in terms of psf (kN/m<sup>2</sup>), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional</li></ol> |
| <input type="checkbox"/>            | <input type="checkbox"/> | <b><u>Fire Resistant Construction Requirements shall include:</u></b><br>a) Fire resistant separations (listed system)<br>b) Fire resistant protection for type of construction<br>c) Protection of openings and penetrations of rated walls (listed systems)<br>d) Fire blocking and draft-stopping<br>e) Calculated fire resistance   |
| <input type="checkbox"/>            | <input type="checkbox"/> |   |
| <input type="checkbox"/>            | <input type="checkbox"/> |   |
| <input type="checkbox"/>            | <input type="checkbox"/> |   |
| <input type="checkbox"/>            | <input type="checkbox"/> |   |
| <input type="checkbox"/>            | <input type="checkbox"/> |   |

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**Fire Suppression Systems shall include: (To be reviewed by Fire Department)**

- a) Fire sprinklers
- b) Fire alarm system (early warning) with name of licensed installer. If not shown on plans or not known at time of permitting, a separate permit shall be required by the licensed installer
- c) Smoke evacuation system schematic
- d) Stand-pipes
  - Pre-engineered system
  - Riser diagram

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- ☐

**Life Safety Systems shall include: (To be reviewed by Fire Department)**

- a) Occupancy load and egress capacity
- b) Early warning
- c) Smoke control
- d) Stair pressurization
- e) Systems schematic

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- ☐

**Occupancy Load/Egress Requirements shall include:**

- a) Occupancy load (gross and net)
- b) Means of egress
  - exit access, exit and exit discharge
- c) Stair construction/geometry and protection
- d) Doors
- e) Emergency lighting and exit signs
- f) Specific occupancy requirements
  1. Construction requirements
  2. Horizontal exits/exit passageways

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**Structural Requirements shall include:**

- a) Soil conditions/analysis
- b) Show type of termite treatment (termicide or alternative method)
- c) Design loads
- d) Wind requirements
- e) Building envelope
- f) Structural calculations
- g) Foundations
- h) Wall systems
- i) Floor systems
- j) Roof systems
- k) Threshold inspection plan (if applicable)
- l) Stair systems

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**Materials shall include:**

- a) Wood
- b) Steel
- c) Aluminum
- d) Concrete
- e) Plastic
- f) Glass (mfg. Listing for wind zone including details for installation and attachments)
- g) Masonry
- h) Gypsum board and plaster
- i) Insulating (mechanical)
- j) Roofing (mfg. Listed system for wind zone with installation and attachments)
- k) Insulation

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**Accessibility Requirements shall include:**

- a) Site requirements
- b) Accessible route
- c) Vertical accessibility
- d) Toilet and bathing facilities
- e) Drinking fountains
- f) Equipment
- g) Special occupancy requirements
- h) Fair housing requirements

<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Interior Requirements shall include:**

- a) Interior finishes (flame spread/smoke develop)
- b) Light and ventilation
- c) Sanitation

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Special Systems shall include:**

- a) Elevators
- b) Escalators
- c) Lifts

**Swimming Pools – Commercial** – Plans shall be signed and sealed by a Professional Engineer registered in the State of Florida and approved by the Department of Business and Professional Regulation/Health Department Indicating compliance with the Florida Administrative Code, Chapter 64E-9 And Section 424 of the Florida Building Code

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**Electrical:**

- a) Electrical wiring, services, feeders and branch circuits, over-current protection, grounding, wiring methods and materials, GFCIs
- b) Equipment
- c) Special Occupancies
- d) Emergency Systems
- e) Communication Systems
- f) Low Voltage
- g) Load calculations
- h) Riser diagram

<input checked="" type="checkbox"/>	<input type="checkbox"/>
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**Plumbing:**

- a) Minimum plumbing facilities
- b) Fixture requirements
- c) Water supply piping
- d) Sanitary drainage
- e) Water heaters
- f) Vents
- g) Roof drainage
- h) Back flow prevention
- i) Irrigation
- j) Location of water supply
- k) Grease traps
- l) Environmental requirements
- m) Plumbing riser

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**Mechanical:**

- a) Energy calculation (signed and sealed by Architect or Engineer, registered in the State of Florida)
- b) Exhaust systems (clothes dryer exhaust, kitchen equipment exhaust, Specialty equipment exhaust)
- c) Equipment
- d) Equipment location
- e) Make-up air
- f) Roof mounted equipment
- g) Duct systems
- h) Ventilation
- i) Combustion air
- j) Chimneys, fireplaces and vents
- k) Appliances
- l) Boilers
- m) Refrigeration
- n) Bathroom ventilation
- o) Laboratory

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<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>

**Gas:**

- a) Gas piping
- b) Venting
- c) Combustion air
- d) Chimney's and vents
- e) Appliances
- f) Type of gas
- g) Fireplaces
- h) LP tank locations
- i) Riser diagram/shut offs

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

**Disclosure Statement for Owner Builders**

**\*\*\*Notice of Commencement Required Before Any Inspections will be Done**

**Private Potable Water:**

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

**THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS:**

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all construction projects; If you were required to have a Site and Development Plan Approval, list SDP number.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser is required. A copy of property deed is also requested. (386) 758-1084
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic tank approval or sewer tap is required
4. **City Approval:** If the project is located within the city limits of the Town of Fort White prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) **has been** established shall meet the requirements of section 8.8 of the Columbia County Land Development Regulations. Any project that is located within a flood zone where the base flood elevation (100 year flood) **has not been** established shall meet the requirements of section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**  
A development permit will also be required. The development permit cost is \$50.00
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit must be made (\$25.00). Culvert installation for commercial, industrial and other uses shall **conform to the approved site plan or to the specifications of a registered engineer. Joint use culverts will comply with Florida Department of Transportation specifications.** If the project is to be located on a F.D.O.T. maintained road, then an F.D.O.T. access permit is required.
7. **Suwannee River Water Management District Approval:** All commercial projects must have an SRWMD permit issued or an exemption letter, before a building will be issued.

**ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS – PLEASE DO NOT ASK**



# **NOTICE:**

## **ADDRESSES BY APPOINTMENT ONLY!**

**TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:**

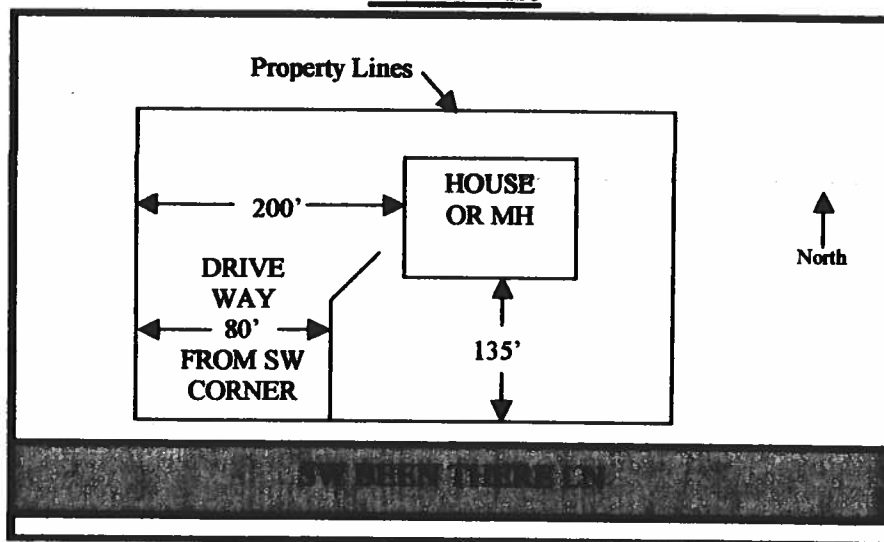
## **YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!**

**THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).**

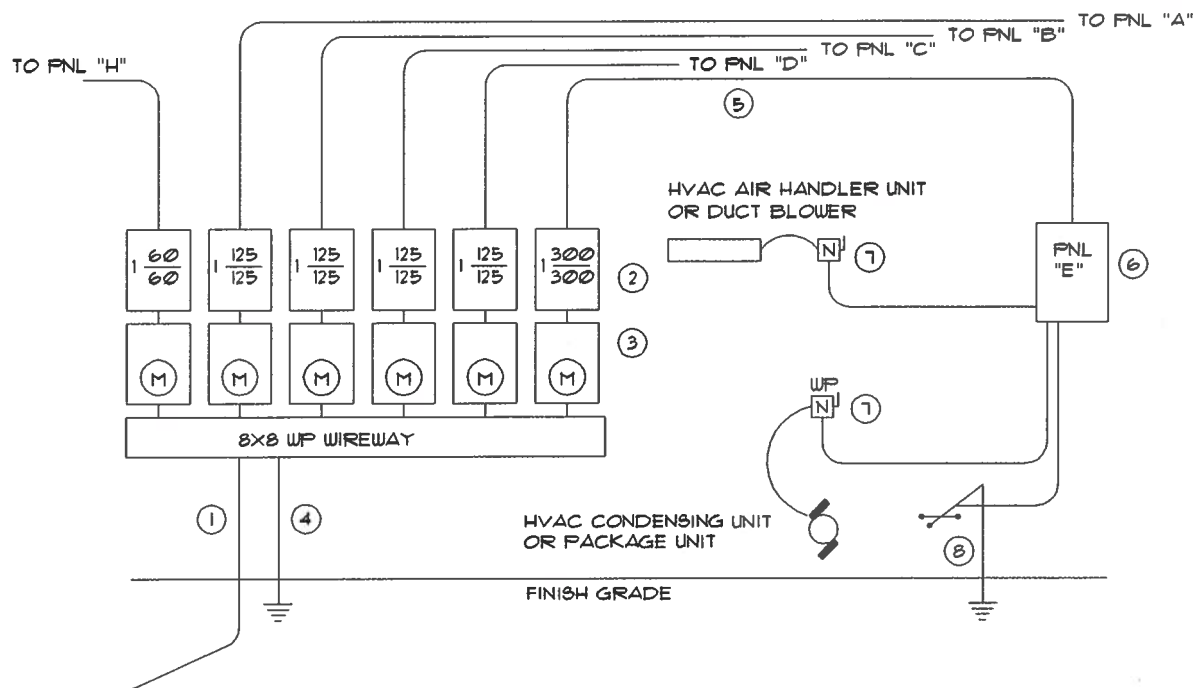
### **THE REQUESTER WILL NEED THE FOLLOWING:**

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
  - a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
  - b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
  - c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

### **SAMPLE:**



**NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.**



## ELECTRICAL RISER DIAGRAM: 800A

SCALE: NONE

- ① Service/Feeder Entrance Conductors: 3-1/2" rigid conduit, min. 18" deep, w/ continuous Ground Bonding Conductor. Service/Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
- ② Meter Enclosure, weatherproof, U.L. Listed.
- ③ Main Disconnect Switch: fused or Main BRKR, weatherproof, U.L. Listed.
- ④ Service entrance Ground: 3/8"  $\phi$  iron/steel rod x 8'-0" long and/or concrete encased foundation steel rebar x 20'-0" long. Grounding Conductor shall be bonded to each piece of Service/Entrance Equipment, and shall be sized per Item #5, below.
- ⑤ 800 AMP SERVICE: 9-#600MCM-USE-Cu, 3-#2-Cu-GND, 3-3" Cond.
- ⑥ Tenant Panel (PNL), U.L. Listed, sized per schedule.
- ⑦ Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
- ⑧ Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

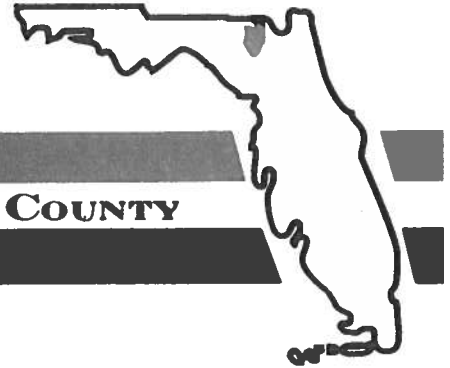
### NOTE!

THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS AND DISCONNECT SWITCHES SHALL BE 22,000 AIC.

01 DEC 2005

District No. 1 - Ronald Williams  
District No. 2 - Dewey Weaver  
District No. 3 - George Skinner  
District No. 4 - Jennifer Flinn  
District No. 5 - James Montgomery

**BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY**



16 July 2004

David Simque  
P.O. Box 2972  
Lake City, FL 32056-2972

RE: Site and Development Plan 04-5 (Rimrock Development)

Dear David:

This is to confirm that the Columbia County Planning and Zoning Board approved the above referenced Site and Development Plan on 24 June 2004 at there regularly scheduled meeting with the condition of final review by the Land Development Regulation Administrator for meeting the County's Land Development Regulations and concurrency. The above referenced Site and Development Plan does meet the County's Land Development Regulations and concurrency requirements.

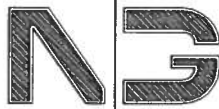
If you have any questions concerning this matter, please do not hesitate to contact me at 758.1007.

Sincerely,

Brian L. Kepner  
Land Development Regulation Administrator,  
County Planner

xc: Ann M. Newland, Bailey, Bishop & Lane, Inc.

BOARD MEETS FIRST THURSDAY AT 7:00 P.M.  
AND THIRD THURSDAY AT 7:00 P.M.



**NICHOLAS  
PAUL  
GEISLER**  
**ARCHITECT**  
N.C.A.R.B. Certified

1758 NW Brown Road  
Lake City, FL 32055  
386/755-9021

21 DECEMBER 2005

JOE HALTIWANGER, PLANS REVIEWER  
COLUMBIA COUNTY, BUILDING DEPT.  
COLUMBIA COUNTY COURTHOUSE ANNEX  
LAKE CITY, FLORIDA 32055

RE: RIMROCK DEVELOPMENT for DAVID SIMQUE, CONSTRUCTION  
PERMIT Nr.: \_\_\_\_\_

DEAR SIR:

IN CONSULTATION WITH THE METAL BUILDING ENGINEER, REGARDING THE  
LIVE LOAD / DEFLECTION ISSUE FOR THE ABOVE REFERENCED PROJECT, I  
HAVE DETERMINED THAT THE FLOOR SYSTEM IS SATISFACTORY AS DESIGNED  
TO SUPPORT THE DESIGN LOADS FOR THIS PROJECT.

WHILE THE DEFLECTION LIMIT OF  $L/360$  IS REACHED AT A LOADING OF  
112 PSF, THERE IS A CONSIDERABLE COLLATERAL LOAD BUILT INTO THIS  
DESIGN WHICH WILL OFFSET THE SLIGHT DEFICIENCY IN THE LIVE LOAD  
CAPACITY. PRESENTLY THERE IS A 20 PSF COLLATERAL LOAD FOR THE  
PURPOSE OF PROVIDING FOR INTERIOR PARTITION LOAD - A VARIABLE,  
THUS, LIVE LOAD. A SUITABLE COLLATERAL LOAD FOR INTERIOR  
PARTITIONS MAY BE TAKEN AT 5 PSF, THUS RAISING THE POTENTIAL LIVE  
LOAD CAPACITY TO 127 PSF AND THEREBY SATISFYING THE CODE  
REQUIREMENTS.

SHOULD YOU HAVE ANY FURTHER QUESTIONS WITH THIS, PLEASE CALL FOR  
ASSISTANCE.

YOURS TRULY,  
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005

RIMROCK DEVELOPMENT, INC. LOAD COMPUTATION:

LOAD:	KW
FLU LIGHTING	6500 W
INC LIGHTING	2100 W
BATH FANS	540 W
GP RECEPTALS	15480 W
REF	1200 W
EWB	3000 W
AC Nr.1	10800 W
AC Nr.2	10800 W

SUB-TOTAL LOAD	50420 W
+ 25% LM	2700 W

TOTAL LOAD	53120 W
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FEEDER SIZE:

53120 W / 240 V = 221.33 AMPERS - PROVIDE 300 AMPERS

USE: 2-350MCM-THW-Cu, 1-350MCM-THW-Cu-NEUT. & 1-#2-Cu-GND  
WITH 3" CONDUIT

PNL "E":

300 AMPER - 120/240V - 1 $\phi$  - 4 WIRE - 40 SLOT

BUILDING LOAD COMPUTATION:

LOAD:	D.F.	KW
RIMROCK DESIGN:	-	53120 W
PNL "A":	125A @ 80%	24000 W
PNL "B":	125A @ 80%	24000 W
PNL "C":	125A @ 80%	24000 W
PNL "D":	125A @ 80%	24000 W
PNL "H":	60A @ 80%	11520 W
+ 25% LM	-	2700 W

SERVICE LOAD:	-	163340 W
---------------	---	----------

SERVICE SIZE:

163340 W / 240 V = 680.58 AMPERS - PROVIDE: 800 AMPERS

USE: 3-3" CONDUITS EA. WITH:

2-300MCM-THW-Cu, 1-300MCM-THW-Cu-NEUT. & 1-#2-Cu-GND

NOTE!

THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS  
AND DISCONNECT SWITCHES SHALL BE 22,000 AIC.

 AK7005

01 DEC 2005



## **Cal-Tech Testing, Inc.**

- Engineering
- Geotechnical
- Environmental

**LABORATORIES**

P.O. Box 1625 • Lake City, FL 32056-1625  
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-3633 • Fax (386) 752-5456  
Tel. (904) 262-4046 • Fax (904) 262-4047

October 7, 2005

Simque Construction  
P. O. Box 2962  
Lake City, Florida 32056

Attention: David Simque

Reference: Proposed Building  
Gleason Place  
Lake City, Florida  
Cal-Tech Project No. 05-516

Dear Mr. Simque,

Cal-Tech Testing, Inc. has completed the subsurface investigation and engineering evaluation of the site for a building to be constructed at Gleason Place in Lake City, Florida. Our work was performed in conjunction with and authorized by you.

We understand the building will have lateral dimensions of approximately 40 feet by 100 feet. Support for the building is to be provided by conventional, shallow spread footings. Anticipated foundations loads have not been provided; however, we assume column and wall loads will not exceed 25 kips and 2 kips per foot, respectively.

The purposes of our investigation were to evaluate the existing subgrade soils for an allowable bearing pressure of 2,000 pounds per square foot and to provide recommendations as appropriate.

### Site Investigation

The site was investigated by performing two (2) dynamic cone penetration tests with hand-auger borings advanced to depths of 7.0 feet. The borings were performed at the approximate locations indicated on the attached Location Plan. The proposed building area was delineated on site.

The dynamic cone penetration test is performed by driving a standard 60 degree cone into the soil by blows from a 15-pound slide-hammer falling 20 inches. The number of blows required to advance the cone 1.75 inches is designated the dynamic cone penetration resistance. This value can be correlated to N-values of the Standard Penetration Test and is an index of soil density or consistency.

Hand-auger borings are performed by manually advancing a 3-inch diameter, metal sleeve into the soil to recover samples from limited depths. Samples are examined for soil type and color.

### Findings

The soil borings generally encountered two soil strata. The first layer consists of 5 to 7 or more feet of generally loose to medium dense, tannish gray or grayish tan sand (SP) or sand with silt (SP/SM). Equivalent N-values of this layer range from 8 to 43 blows per foot.

The second layer consists of an undetermined thickness of loose to medium dense, tannish gray and orange, clayey sand (SC). The equivalent N-values of this layer range from 7 to 18 blows per foot.

Groundwater was not encountered at the time of our investigation. For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Logs.


### Discussion

We have performed a bearing capacity analysis for the immediate bearing soils and have assumed a conventional strip footing having a width of 20 inches and embedment of 16 inches. For this foundation and the site soils as encountered, we obtained an allowable bearing capacity of 2,000 pounds per square foot with a factor of safety of about 1.9 against a bearing capacity failure. It is therefore our opinion the subgrade soils are suitable for the proposed foundations and an allowable bearing capacity of 2,000 pounds per square foot.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,  
Cal-Tech Testing, Inc.

  
Linda Creamer  
President / CEO

  
John C. Dorman, Jr., Ph.D., P.E.  
Geotechnical Engineer  
10/7/05  
52612

## A-1

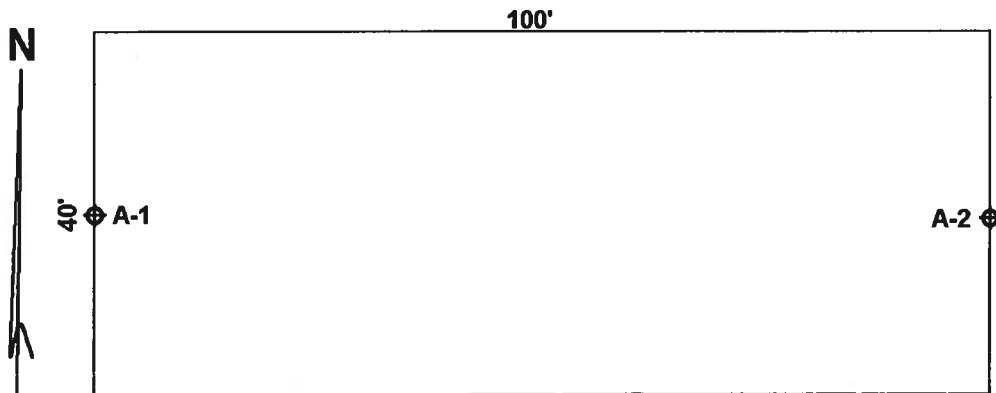
Water Table: N/A

Depth (ft)	Equivalent N-value	Soil Description
0	21	Medium Dense, Greyish Tan Sand, Trace Clay (SP)
10	10	Loose, Tannish Grey Sand with Silt, Trace Organics (SP/SM)
8	8	Loose, Light Greyish Tan and Orange Sand (SP)
10	10	Loose, Light Grey and Orange Sand (SP)
5	7	Loose to Medium Dense, Light Tannish Grey and Orange, Clayey Sand (SC)
18	18	

## A-2

Water Table: N/A

Depth (ft)	Equivalent N-value	Soil Description
0	27	Medium Dense, Light Greyish Tan Sand (SP)
24	24	Medium Dense to Dense, Tannish Grey Sand with Silt, Trace Organics (SP/SM)
43	43	Medium Dense, Light Greyish Tan Sand (SP)
14	14	Loose, Light Greyish Tan and Orange Sand (SP)
10	10	Medium Dense, Light Grey and Orange Sand (SP)
12	12	Medium Dense, Light Grey and Orange Sand (SP)
13	13	



## Boring Logs and Location Plan: Proposed Building Gleason Place



From: The Columbia County Building Department  
Plans Review  
135 NE Hernando Av.  
P. O Box 1529  
Lake City Florida, 32056-1529

Reference to: Build permit application Number: **0510-57 Simque**  
**Construction owners Rimrock Development Inc. Gleason**  
**Place.**

On the date of September 8, 2005 application 0510-57 and plans for construction of a two story building with occupancies groups (B business group) and (M mercantile group) areas were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

**Please include application number 0510-57 when making reference to this application.**

M mercantile group first story 4,800 square feet.

B business group second story 4,800 square feet.

Total occupiable space 9,600 square feet.

Type construction III construction is that type of construction in which the exterior walls are of noncombustible materials and the interior building elements are of any material permitted by this code.

**First Floor**

1. Please submit product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 for all windows and doors which will be placed within the shear wall of the building (include the second floor doors and windows).
2. Show a typical wall section which will serve as a one-hour wall for tenant separation requirements of the FBC-2004 sections 708: Fire partitions 708.1 General: 5. Wall separating individual tenant spaces.
3. Show the location of the HVAC equipment each tenant.
4. Show the electrical panel for each tenant, along with the amperage rating for each electrical panel.

5. Show the method of providing Emergency lighting facilities for means of egress as required by the FBC-2004 sections 1006.2.1.
6. On the foundation plan show the method of termite treatment.

**Second Floor B business group 4,800 square feet.**

1. Give the width of the interior stairs treads: show compliance with the FBC-2004 section: 1009.1 Stairway widths. The width of stairways shall be determined as specified in Section 1005.1, but such width shall not be less than 44 inches (1118 mm). See Section 1007.1 for accessible means of egress stairways. Exceptions: 1. Stairways serving an occupant load of 50 or less shall have a width of not less than 36 inches (914 mm).

2. Show compliance with the FBC-2004 section 1009: construction of guards and handrails for both the interior stairs and the exterior stairs.

3. Show compliance with the FBC-2004 section 1009.5 Stairway construction.

All stairways shall be built of materials consistent with the types permitted for the type of construction of the building, except that wood handrails shall be permitted for all types of construction.

4. Show full compliance with the FBC-2004 section 1006 Means of egress: illumination and signs. 1006.1.3 The floors and other walking surfaces within an exit and within the portions of the exit access and exit discharge designated in Section 1006.1.1 shall be illuminated to values of at least 1 footcandle (10 lux) measured at the floor. During conditions of stair use, the minimum illumination for new stairs shall be at least 108 lux (10 foot-candle), measured at the walking surface.

**5. Show the method of construction of the corridor to comply with FBC-2004 sections 1016.1**

**Corridors Construction: Corridors shall be fire-resistance rated in accordance with Table 1016.1.**

**The corridor walls required to be fire-resistance rated shall comply with Section 708 for fire partitions and submit the fire rating for all doors, door hardware and self closing hardware which are located within the corridors walls.**

**6. Show the method of draftstopping in the second floor attic area which contains 4,800 square feet.**

**As required in section 717.4.3 of the FBC-2004: Draftstopping shall be installed in attics and concealed roof spaces, such that any horizontal area does not exceed 3,000 square feet (279 m2).**

**7. Show the location of the HVAC equipment and if the duct system penetrations through the Corridors show the method of fireblocking.**

**8. Show the method of fireblocking as required by the FBC-2004 section 717: 717.2.2 Concealed wall spaces. Fireblocking shall be provided in concealed spaces of stud walls and partitions, including furred spaces, and parallel rows of studs or staggered studs, as follows:**

- a. Vertically at the ceiling and floor levels.**
- b. Horizontally at intervals not exceeding 10 feet (3048 mm).**

**717.2.3 Connections between horizontal and vertical spaces.**

**Fireblocking shall be provided at interconnections between concealed vertical stud walls or partition spaces and concealed horizontal spaces created by an assembly of floor joists or trusses, and between concealed vertical and horizontal spaces such as occur at soffits, drop ceilings, cove ceilings and similar locations.**

**717.2.4 Stairways. Fireblocking shall be provided in concealed spaces between stair stringers at the top and bottom of the run. Enclosed spaces under stairs shall also comply with Section 1019.1.5.**

**9. Show compliance with the FBC-2004 sections 1607 Live Loads Table 1607.12.**

<b>OCCUPANCY OR USE</b>	<b>UNIFORM (psf)</b>	<b>CONCENTRATED (lbs.)</b>
<b>25. Office buildings</b>		
File and computer rooms shall be designed for heavier loads based on anticipated occupancy Lobbies and first floor corridors	100	2,000
Offices	50	2,000
Corridors above first floor	80	2,000

**10. Provide shop drawing of the vertical wheelchair plat form lift and enclosure.**

**11. Show the location of the Water heater and heater capacity to include drain pan with overflow discharge drain size.**

**12. Provide the location of the second floor electrical panel and the electrical panel amperage rating.**

Thank you,

Joe Haltiwanger  
Plan Examiner  
Columbia County Building Department

# ~~24976~~  
# 24029



# Lake City Fire Department

225 NW Main Blvd., Suite 101, Lake City, FL 32055  
Phone: 386-752-3312 Fax: 386-758-5424

Michael Johnson  
Fire Chief

## Inspection Division

**Fire Safety Inspectors**  
Carlton A. Tunsil  
Assistant Fire Chief

Frank E. Armijo  
Battalion Chief

Nathiel L. Williams, Sr.  
Fire Inspector

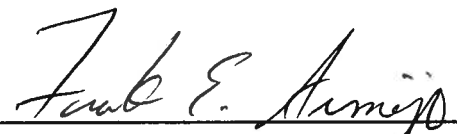
To: David Simque

FROM: Frank E. Armijo, Battalion Chief  
State Fire Inspector License #112877

DATE: December 14, 2006

SUBJECT: Fire Safety Inspection

A fire safety inspection was performed today at Gleason Place, located at 343 s.w. Cole Terr. Suite 101 Sports Extreme & Suite 105 Title Offices & Suite 107 vacant office, Lake City, FL. This facility meets all requirements of Chapter 38 of the Florida Fire Prevention Code, 2004 Edition. No violations were noted. I recommend approval.

  
\_\_\_\_\_  
Frank E. Armijo, Battalion Chief  
State Fire Inspector License #112877



# Lake City Fire Department

---

225 NW Main Blvd., Suite 101, Lake City, FL 32055  
Phone: 386-752-3312 Fax: 386-758-5424

Michael Johnson  
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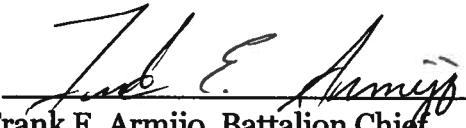
To: David Simque

FROM: Frank E. Armijo, Battalion Chief  
State Fire Inspector License #112877

DATE: February 13, 2007

SUBJECT: Fire Safety Inspection

A fire safety inspection was performed on December 14 at RimRock, located at 343 N.W. Cole Terr. Suite 201, Lake City, FL. This business meets all requirements of Chapter 38 of the Florida Fire Prevention Code, 2004 Edition. Division Chief David conducted the final where there were some minor issues that have been corrected. No violations were noted. I recommend approval.

  
\_\_\_\_\_  
Frank E. Armijo, Battalion Chief  
State Fire Inspector License #112877



Lake City (386) 755-3611  
Gainesville (352) 494-5751  
Fax (386) 755-3885  
Toll Free 1-800-616-4707

**Certificate of Compliance for Termite Protection**  
(as required by Florida Building Code (FBC) 1816.1.7)

Aspen Pest Control, Inc.  
(386) 755-3611  
State License # - JB109476  
State Certification # - JF104376

**343 NW Cole Ter. Lake City, Fl . 32055 Rimrock (New Bldg)**

Address of Treatment or Lot/Block of Treatment

**Soil Barrier**

Method of Termite Prevention Treatment - Soil Barrier, Wood Treatment, Bait System, Other

**Horizontal, Vertical, Void and Exterior Treatment**

Description of Treatment

The above named structure has received a complete treatment for the prevention of subterranean termites. Treatment was done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services.

  
Authorized Signature



Commercial • Residential

321 NW Cole Terrace, Suite 107 / Lake City, Florida 32055



Jan. 30. 2007 12:49PM  
Jan. 27. 2007 11:22AM

RIMROCK DESIGN.

INo. 0381 IP. 1



**Toll Free:** 1-800-338-5088  
**Local:** (386) 935-2832  
**Fax:** (386) 935-1020

**SECURITY SAFE COMPANY**

For all your Security needs

STATE CERTIFIED LICENSEES  
EPA000353  
EG13000258

**Sales & Service**  
7585 - 216th Street  
O'Brien, FL 32071

**Internet Address**  
[www.securitysafe.com](http://www.securitysafe.com)

January 29, 2007

Rimrock Design  
ATTN: Micah Linton  
343 NW Cole Terrace Suite 201  
Lake City, FL 32055  
Fax - 752.5381

**To Whom It May Concern:**

This letter is to serve as a notice that the burglar and fire alarm system is fully operational and running. The fire alarm system has been 100% inspected, certified and tagged.

If you have further questions, please feel free to contact our office. Thank You!

Sincerely,

Lois Johnson  
Office Manager



Security, Fire & Medical Alarms • Automation  
Phone Systems • Gate Systems • Central Vacuums  
Structural Wiring/Network Cabling • CCTV



Authorized Dealer  
**Security Pro**







## Lake City Fire Department

225 NW Main Blvd., Suite 101, Lake City, FL 32055  
Phone: 386-752-3312 Fax: 386-758-5424

Michael Johnson  
Fire Chief

### Inspection Division

Fire Safety Inspectors  
Carlton A. Tunsil  
Assistant Fire Chief

Frank E. Armijo  
Battalion Chief

Nathiel L. Williams, Sr.  
Fire Inspector


To: David Simque

FROM: Frank E. Armijo, Battalion Chief  
State Fire Inspector License #112877

DATE: December 14, 2006

SUBJECT: Fire Safety Inspection

A fire safety inspection was performed today at Gleason Place, located at 343 s.w. Cole Terr. Suite 101 Sports Extreme & Suite 105 Title Offices & Suite 107 vacant office, Lake City, FL. This facility meets all requirements of Chapter 38 of the Florida Fire Prevention Code, 2004 Edition. No violations were noted. I recommend approval.

  
Frank E. Armijo, Battalion Chief  
State Fire Inspector License #112877



lot 3  
# ~~22385~~  
# 24029

January 18, 2007

RE: Gleason Place Subdivision, Unit 2

To Whom It May Concern:

This letter is to inform you that the new road, NW Overlow Way, located behind Gleason Place Subdivision will allow access to the property of parcel #02611-000 Richard C Cole.

Sincerely,

Micah Linton  
Rimrock Development, LLC

NOTARY PUBLIC-STATE OF FLORIDA



Michelle Fischer

Commission # DD598374

Expires: SEP 24, 2010

BONDED THRU ATLANTIC BONDING CO., INC.



# BAILEY BISHOP & LANE, INC.

*Engineers*

*Surveyors*

*Planners*

---

January 17, 2007

RE: Gleason Place Subdivision, Unit 2

To whom it may concern;

This letter is to inform you that the new road, N.W. Overflow Way, located behind Gleason Place Subdivision will allow access to the property of parcel # 02611-000 Richard C. Cole.

Sincerely,

Brian Scott Daniel  
Professional Surveyor & Mapper

24029

**COLUMBIA COUNTY 9-1-1 ADDRESSING /  
GIS DEPARTMENT**

P. O. Box 1787, Lake City, FL 32056-1787

Telephone: (386) 758-1125 \* Fax: (386) 758-1365 \* E-mail: ron\_croft@columbiacountyfla.com

**ADDRESS ASSIGNMENT DATA**

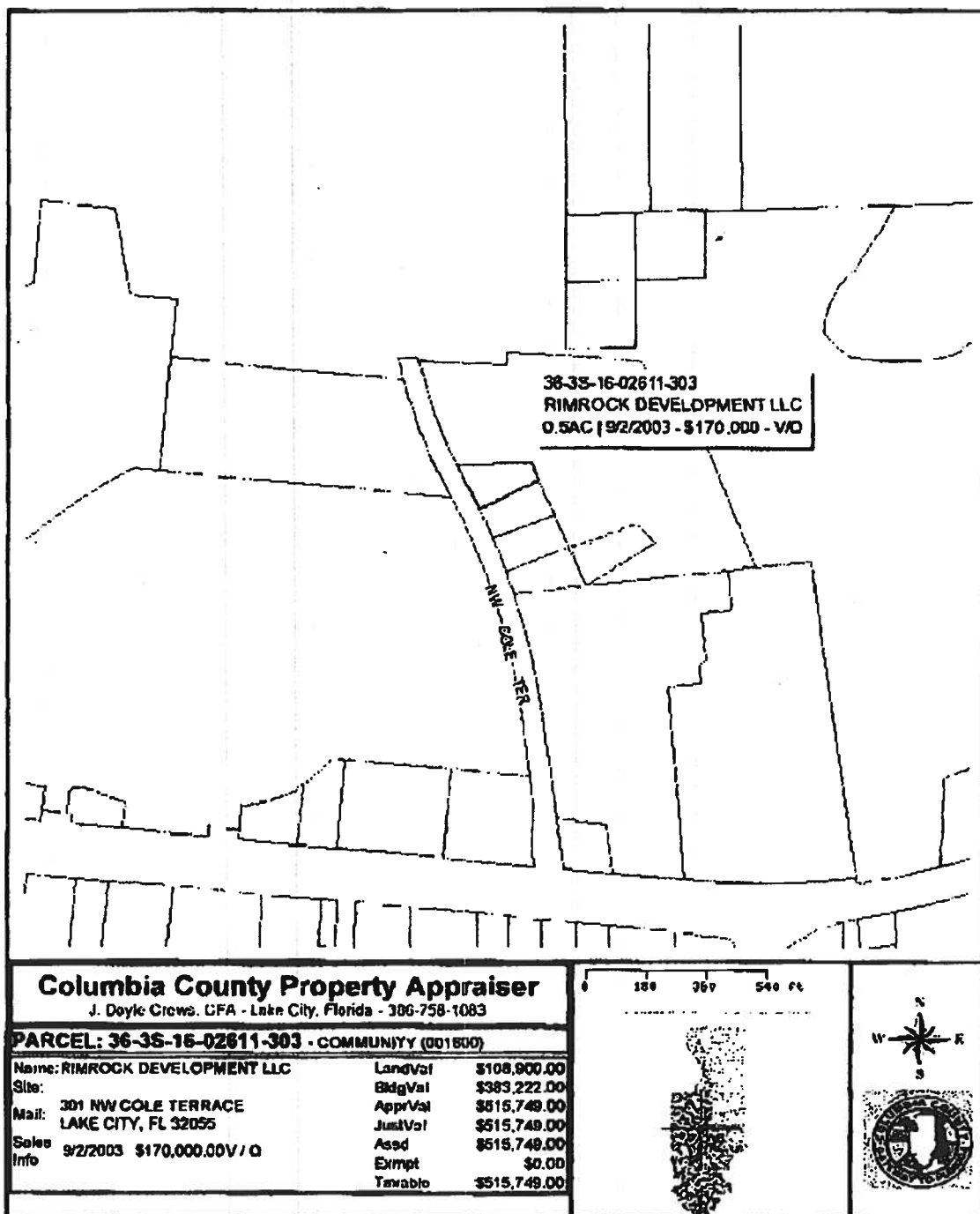
The Columbia County Board of County Commissioners has passed Ordinance 2001-9, which provides for a uniform numbering system. A copy of this ordinance is available in the Clerk of Court records, located in the courthouse. This new numbering system will increase the efficiency of POLICE, FIRE AND EMERGENCY MEDICAL vehicles responding to calls within Columbia County by immediately identifying the location of the caller.

**A Residential or Other Structure(s) on Parcel Number:**  
**36-3S-17-02611-303**

**Address Assignments:**  
**343 NW COLE TER, LAKE CITY, FL 32055**

See attached map printout from Columbia County Property Appraiser web site.

Any questions concerning this information should be referred to the Columbia County 9-1-1 Addressing / GIS Department at the address or telephone number above.

**Columbia County Property Appraiser**

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

**PARCEL: 36-3S-16-02611-303 - COMMUNITY (001800)**

Name: RIMROCK DEVELOPMENT LLC	LandVal	\$108,900.00
Site:	BldgVal	\$383,222.00
301 NW COLE TERRACE	ApprVal	\$515,749.00
LAKE CITY, FL 32055	JustVal	\$515,749.00
Sales Info	Assd	\$515,749.00
9/2/2003 \$170,000.00V/O	Exempt	\$0.00
	Taxable	\$515,749.00

This information, GIS Map Updated: 2/5/2007, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

# COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING INSPECTION

## OCCUPANCY

### COLUMBIA COUNTY, FLORIDA

#### Department of Building and Zoning Inspection

*This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.*

Parcel Number 36-3S-16-02611-303

Building permit No. 000024029

Use Classification COMM METAL BLDG

Fire: 652.32

Permit Holder DAVID SIMQUE

Waste: 0.00

Owner of Building RIMROCK DEVELOPMENT, INC.

Total: 652.32

Location: 343 NW COLE TERR, LOT 3 SUITES 101, 105, 107, 201

Date: 02/27/2007

*Tanya Steele*

Building Inspector



POST IN A CONSPICUOUS PLACE  
(Business Places Only)



# COLUMBIA COUNTY OFFICIAL CERTIFICATE

## OCCUPANCY

COLUMBIA COUNTY, FLORIDA

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Waste: 0.00

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Total: 652.32

Location: 343 NW COLE TERR, LOT 3 SUITES 101, 105, 107, 201

Date: 02/27/2007



Henry Steika Building Inspector

Did not pay

POST IN A CONSPICUOUS PLACE

(Business Places Only)

11/17/08

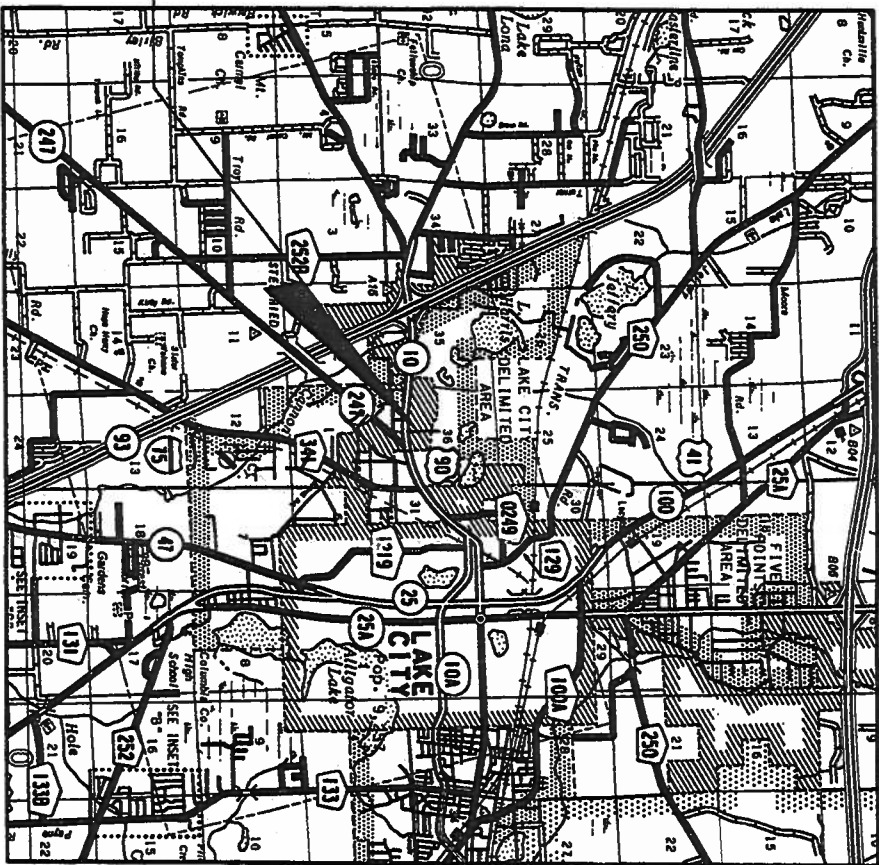
# GLEASON PLACE Subdivision Lots 3 & 4

## SHEET INDEX

- Cover Sheet
- General Notes & Typical Section
- Site Layout
- Grading Plan
- Utility Layout
- DETAILS

- 1
- 2
- 3
- 4
- 5
- 6

## PROJECT LOCATION



## PLANS PREPARED FOR:

Simque Construction  
c/o David Simque  
P.O. Box 2972  
Lake City, FL. 32055  
386.755.7787

EXISTING		LEGEND		PROPOSED	
CONCRETE MONUMENT FOUND	■	CONCRETE MONUMENT SET	□		
IRON PIPE FOUND	○	IRON PIPE SET	○		
LIGHT STANDARD	⊙	LIGHT STANDARD	⊙		
POWER POLE	◇	POWER POLE	◇		
WATER VALVE	⋈	WATER VALVE	⋈		
FIRE HYDRANT	⊕	FIRE HYDRANT	⊕		
BACKFLOW PREVENTER	⋈	BACKFLOW PREVENTER	⋈		
CLEANOUT	○	CLEANOUT	○		
MANHOLE	⊙	MANHOLE	⊙		
GROUND CONTOUR	— 25 —	GROUND CONTOUR	— 25 —		
WELL	⊙	DITCH BLOCK	⊙		
MONITORING WELL	⊙	FINISH ELEVATION	100.0		
ELECTRIC BOX	⊙	FLOW ARROW	→		
TELEPHONE BOX	⊙	HANDICAP PARKING	♿		
CABLE T.V. BOX	⊙	MITERED END	⊙		
D.O.T. MARKER FOUND	○	TREE	⊙		
CONCRETE	■	SEWER TAP	⊙		
SOIL BORING LOCATION	⊙	WATER METER	⊙		
SINGLE POST SIGN	—	BENCH MARK	⊙		
BENCH MARK	⊙				
TRAFFIC LIGHT CABINET	⊙				

## SYMBOLS & ABBREVIATIONS

PL	PROPERTY LINE	LF	LINEAR FEET
CL	CENTER LINE	IP	IRON PIPE
BL	BASE LINE	MH	MANHOLE
SS	SANITARY SEWER	G	GAS
SS	STORM SEWER	UC	UNDERGROUND CABLE
E	ELECTRIC	OC	OVERHEAD CABLE
OE	OVERHEAD ELECTRIC	W	WATER LINE
UG	UNDERGROUND ELECTRIC	RCP	REINFORCED CONCRETE PIPE
OT	OVERHEAD TELEPHONE	RECP	REINFORCED CONCRETE ELLIPTICAL PIPE
UT	UNDERGROUND TELEPHONE	CMP	CORRUGATED METAL PIPE
R=	RADIUS	CMAF	CORRUGATED METAL ARC PIPE
CO	CLEANOUT	BCAP	BITUMINOUS COATED CORRUGATED METAL PIPE
BM	BENCH MARK	PE	POLYETHYLENE PIPE
F.O.C.	FIBER OPTIC CABLE		

## COVER SHEET



BAILEY BISHOP & LANE, INC.  
P. O. BOX 3717  
LAKE CITY, FL 32056-3717  
PH. (386) 752-5640 FAX (386) 755-7771  
Eng. Lic. 7362 Survey Lic. LB-0006685

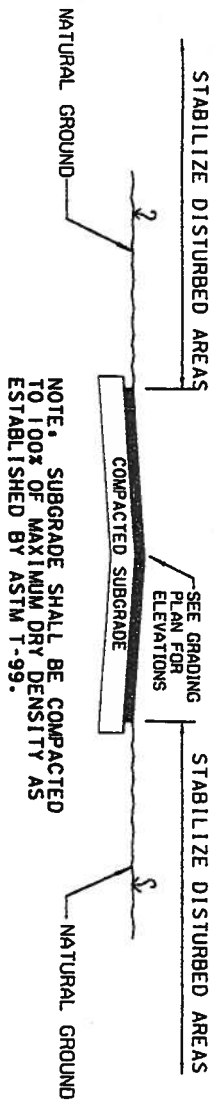
## REVISIONS

JOB NO.	030916a1m
DATE	
SHEET NO.	1



GENERAL NOTES

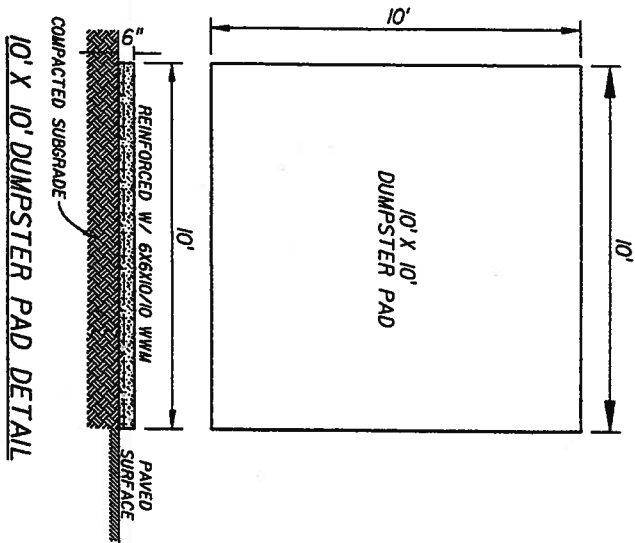
1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, TOPOGRAPHY AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.
2. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AS SET FORTH BY THE ISSUED SUMANNEE RIVER WATER MANAGEMENT DISTRICT ENVIRONMENTAL RESOURCE PERMIT.
3. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.
4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER.
5. THE SITE IS LOCATED IN SECTION 36, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.
6. THE CONTRACTOR SHALL IMPLEMENT ALL COMPONENTS OF THE EROSION AND SEDIMENTATION CONTROL PLAN PRIOR TO ANY EARTH DISTURBING ACTIVITIES. ALL COMPONENTS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL VEGETATION IS ESTABLISHED. THE ENTIRE PROJECT AREA IS STABILIZED AND THE OWNER HAS ACCEPTED OPERATION AND MAINTENANCE.
7. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG-TERM VEGETATION AND QUICK GROWING SHORT-TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THROUGH AUGUST, THE MIX SHALL CONSIST OF 70 PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.
8. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.
9. ALL UTILITY CONSTRUCTION SHALL MEET THE CITY OF LAKE CITY WATER UTILITY STANDARDS.
10. THE CONTRACTOR SHALL WASTE ALL EXCESS EARTH ON SITE AS DIRECTED BY THE ENGINEER.
11. CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL REQUIRED UTILITY CONNECTIONS PRIOR TO BIDDING. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS REQUIRED TO COMPLETE CONNECTION TO THE EXISTING UTILITIES. THIS INCLUDES BUT IS NOT LIMITED TO MANHOLE CORING, WET TAPS, PAVEMENT REPAIRS AND DIRECTIONAL BORING.
12. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT AREA.
13. CONTRACTOR SHALL PROVIDE ACTUAL INVERT ELEVATIONS ON ALL DRAINAGE STRUCTURES, INCLUDING CULVERTS, PRIOR TO PLACING ANY BASE MATERIAL. DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE ENGINEER BEFORE CONTINUING WORK.



PARKING APRON PAVEMENT DESIGN

1.0" TYPE S ASPHALTIC CONCRETE

6" LIMESTONE BASE



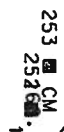
General Notes & Typical Section



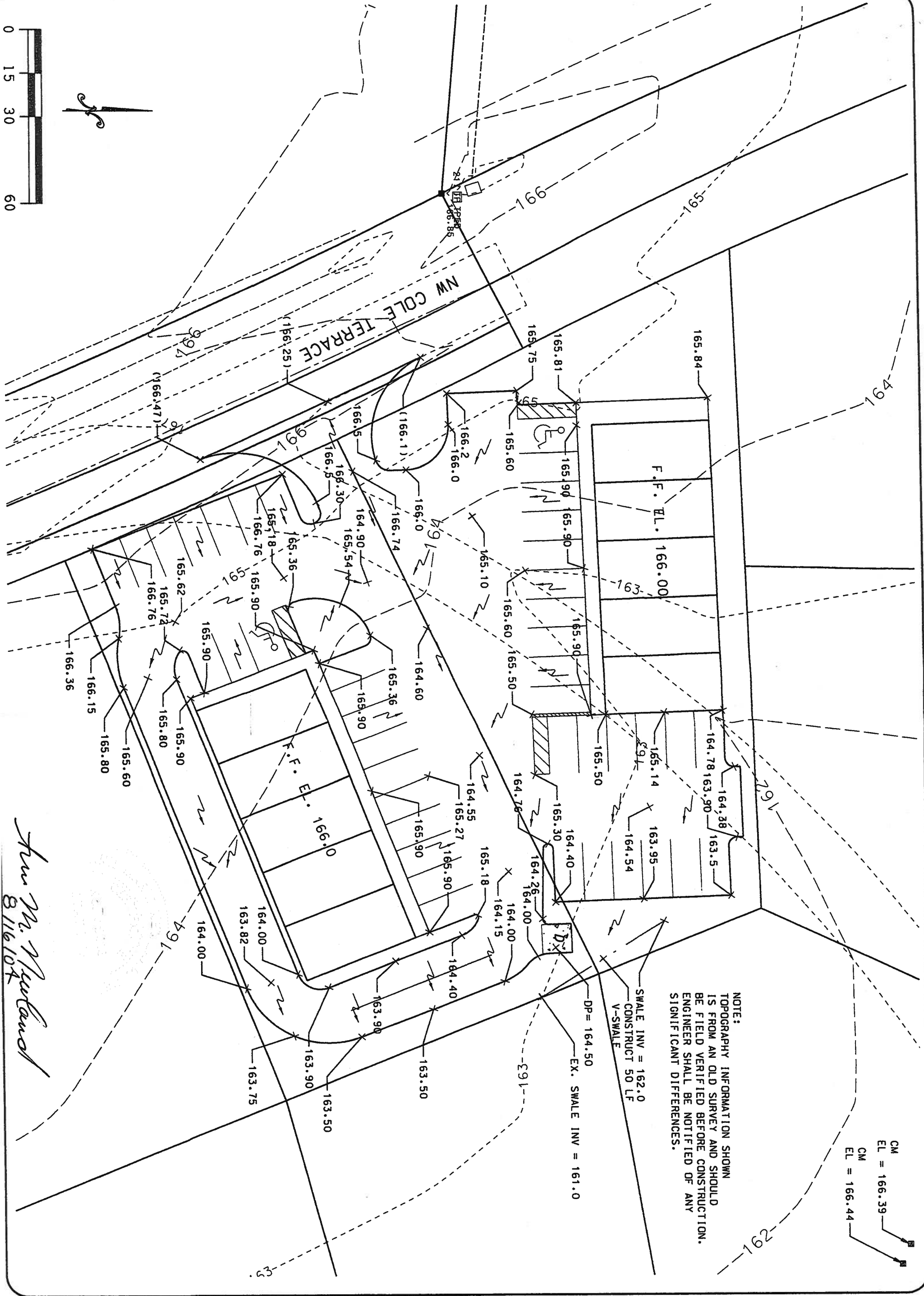
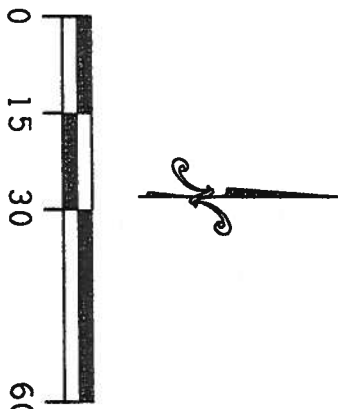
BAILEY BISHOP & LANE, INC.  
P. O. BOX 3717  
LAKE CITY, FL 32056-3717  
PH. (386) 752-5640 FAX (386) 755-7771  
Eng. Lic. 7362 Survey Lic. LB-0006685

REVISIONS

JOB NO.  
03091 6slm  
SHEET NO.  
2



3	JOB NO.	REVISIONS	Site Layout		<b>BAILEY BISHOP &amp; LANE, INC.</b> P. O. BOX 3717 LAKE CITY, FL 32056-3717 PH. (386) 752-5640 FAX (386) 755-7771 Eng. Lic. 7362 Survey Lic. LB-0006685
	SHEET NO.				



for Mr. Neeland  
8/16/10

NOTE:  
TOPOGRAPHY INFORMATION SHOWN  
IS FROM AN OLD SURVEY AND SHOULD  
BE FIELD VERIFIED BEFORE CONSTRUCTION.  
ENGINEER SHALL BE NOTIFIED OF ANY  
SIGNIFICANT DIFFERENCES.

CM  
EL = 166.39  
CM  
EL = 166.44

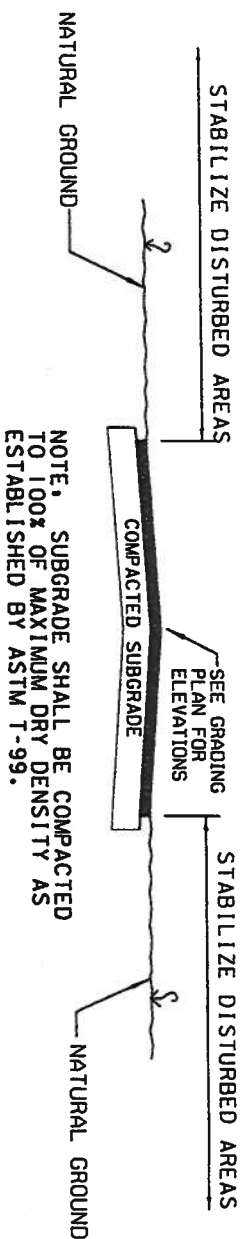
REVISIONS

# Grading Plan

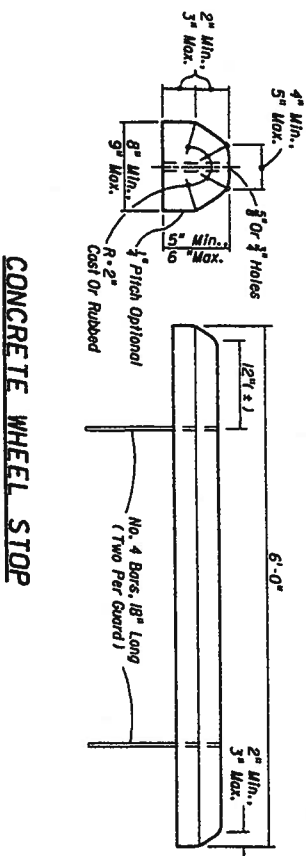
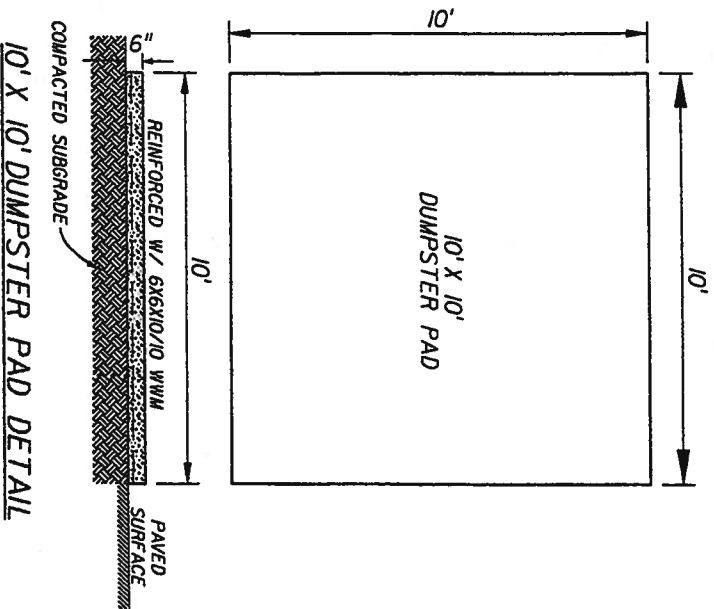


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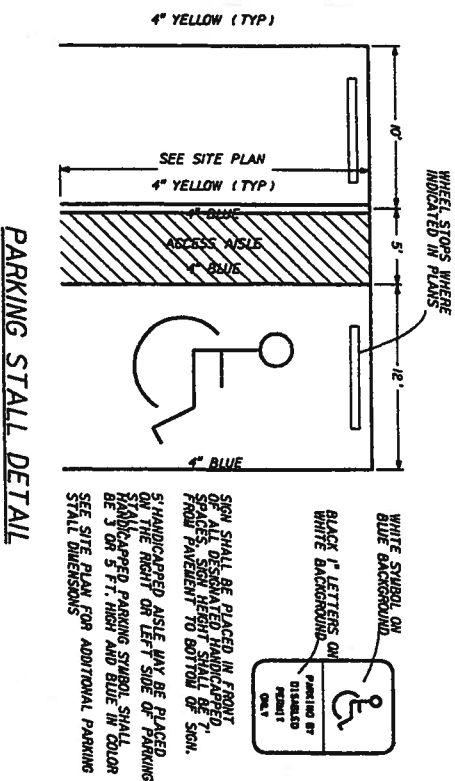
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030916sm  
SHEET NO.  
4



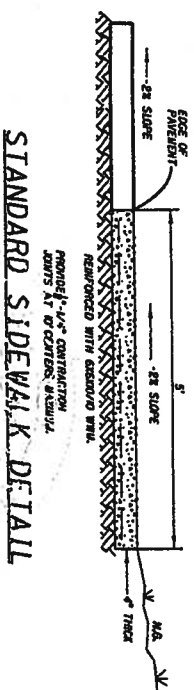
# PARKING APRON PAVEMENT DESIGN 1.5" TYPE S ASPHALTIC CONCRETE 7.25" LIMEROCK BASE



## CONCRETE WHEEL STOP



## PARKING STALL DETAIL



## STANDARD SIDEWALK DETAIL

John M. Muscarel

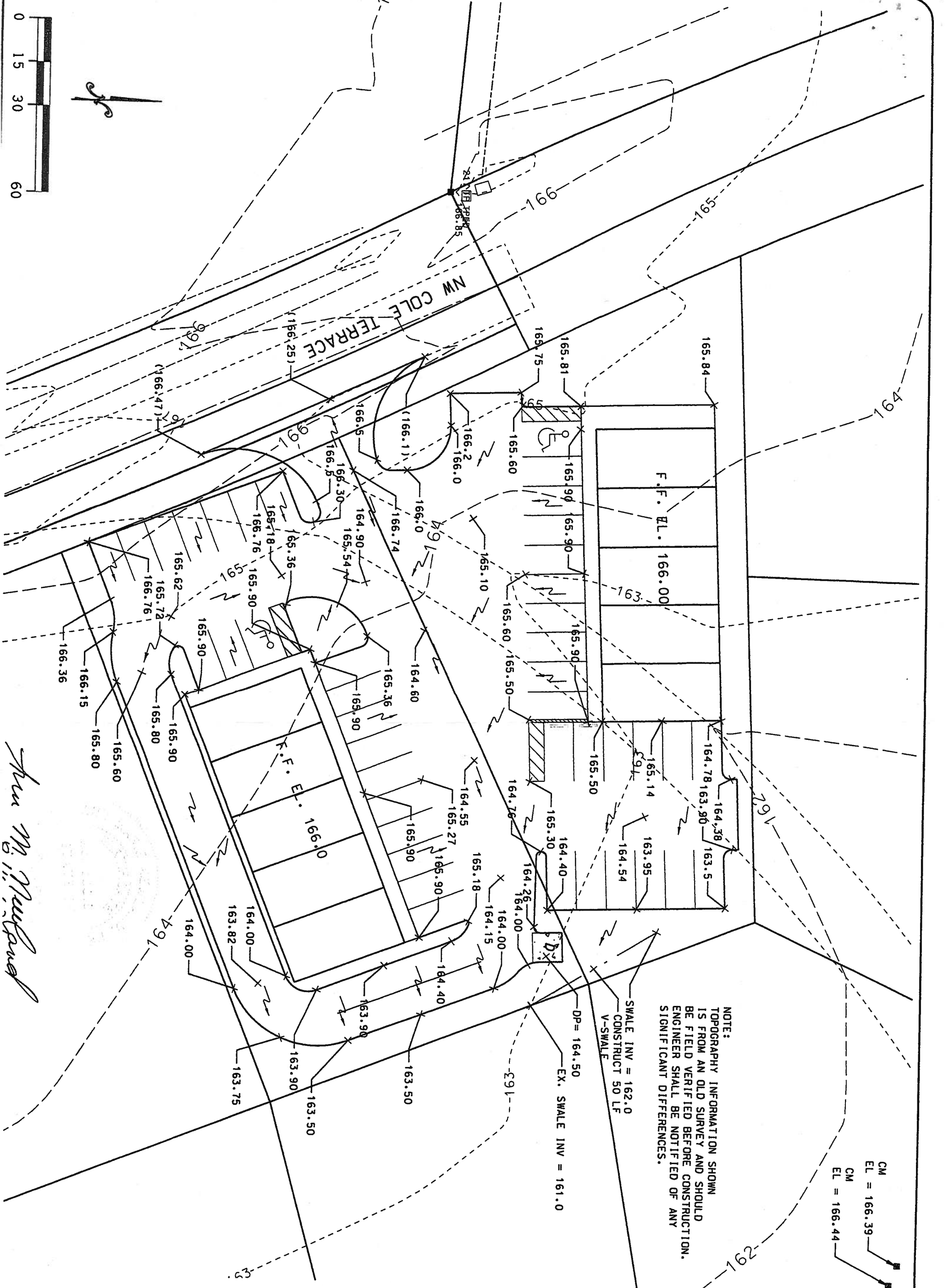
## DETAILS



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## REVISIONS

JOB NO.  
030916S1M  
SHEET NO.

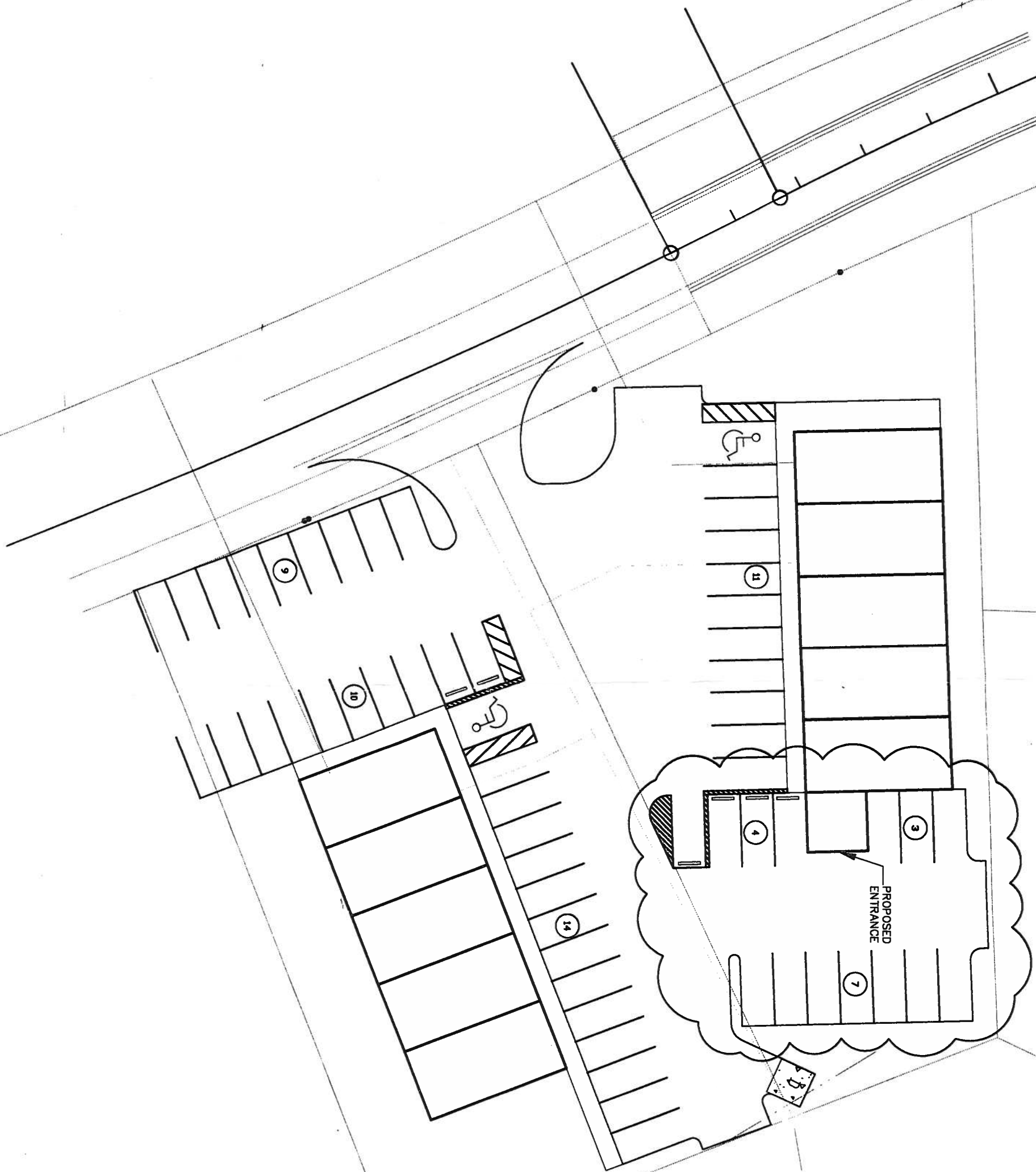


See M. McFarland

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ENGINEER SHALL BE NOTIFIED OF ANY  
SIGNIFICANT DIFFERENCES.

CM  
EL = 166.39  
CM  
EL = 166.44

52-2



JOB NUMBER: 030916SIM

SIGNATURE & SEAL

REVISIONS:

4/25/05

OWNER CHANGES

## SITE LAYOUT



**Bailey Bishop & Lane, Inc.**

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