

DATE 07/19/2005

Columbia County Building Permit**PERMIT**

This Permit Expires One Year From the Date of Issue

000023393

APPLICANT SHANNON REGAR PHONE 754-5678

ADDRESS PO BOX 2861 LAKE CITY FL 32056

OWNER PHOENIX LAND DEVELOPMENT PHONE 754-2171

ADDRESS 248 SE RED MAPLE WAY LAKE CITY FL 32025

CONTRACTOR JL DUPREE PHONE 754-5678

LOCATION OF PROPERTY 90 W, L SW DEPUTY JEFF DAVIS LN, TO LAURL LAKE S/D THEN
5TH LOT ON THE RIGHT

TYPE DEVELOPMENT SFD ESTIMATED COST OF CONSTRUCTION 109000.00

HEATED FLOOR AREA 2180.00 TOTAL AREA 3547.00 HEIGHT 21.90 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 7-12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO. _____

PARCEL ID 03-4S-16-02732-105 SUBDIVISION LAUREL LAKE

LOT 5 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES .50

000000744 25.00 CGC060631 Shannon M. Regar

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

PERMIT X05-0185 BK N

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: FLOOR 1 FOOT ABOVE THE ROAD

CITY WATER & SEWER/ ALTERNATIVE TREATMENT PROVIDED

Check # or Cash 1866**FOR BUILDING & ZONING DEPARTMENT ONLY**

(footer/Slab)

Temporary Power _____ Foundation _____ Monolithic _____
date/app. by date/app. by date/app. by

Under slab rough-in plumbing _____ Slab _____ Sheathing/Nailing _____
date/app. by date/app. by date/app. by

Framing _____ Rough-in plumbing above slab and below wood floor _____
date/app. by date/app. by

Electrical rough-in _____ Heat & Air Duct _____ Peri. beam (Lintel) _____
date/app. by date/app. by date/app. by

Permanent power _____ C.O. Final _____ Culvert _____
date/app. by date/app. by date/app. by

M/H tie downs, blocking, electricity and plumbing _____ Pool _____
date/app. by date/app. by

Reconnection _____ Pump pole _____ Utility Pole _____
date/app. by date/app. by date/app. by

M/H Pole _____ Travel Trailer _____ Re-roof _____
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 545.00 CERTIFICATION FEE \$ 17.73 SURCHARGE FEE \$ 17.73

MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ _____ WASTE FEE \$ _____

FLOOD ZONE DEVELOPMENT FEE \$ 9.11 CULVERT FEE \$ 25.00 **TOTAL FEE** 655.46

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Laurel Lakes Lot 5**
Address: _____
City, State: _____
Owner: _____
Climate Zone: **South**

Builder: **JL Dupree**
Permitting Office: **Columbia County**
Permit Number: **23393**
Jurisdiction Number: **21000**

- | | | |
|--|--------------------------------|-----------------------|
| 1. New construction or existing | New | ___ |
| 2. Single family or multi-family | Single family | ___ |
| 3. Number of units, if multi-family | 1 | ___ |
| 4. Number of Bedrooms | 4 | ___ |
| 5. Is this a worst case? | No | ___ |
| 6. Conditioned floor area (ft ²) | 2180 ft ² | ___ |
| 7. Glass area & type | Single Pane | Double Pane |
| a. Clear glass, default U-factor | 0.0 ft ² | 183.0 ft ² |
| b. Default tint | 0.0 ft ² | 0.0 ft ² |
| c. Labeled U or SHGC | 0.0 ft ² | 0.0 ft ² |
| 8. Floor types | | |
| a. Slab-On-Grade Edge Insulation | R=0.0, 289.0(p) ft | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 9. Wall types | | |
| a. Frame, Wood, Exterior | R=13.0, 2312.0 ft ² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| d. N/A | | ___ |
| e. N/A | | ___ |
| 10. Ceiling types | | |
| a. Under Attic | R=30.0, 2398.0 ft ² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 11. Ducts | | |
| a. Sup: Unc. Ret: Unc. AH: Garage | Sup. R=63.6, 6.0 ft | ___ |
| b. N/A | | ___ |

- | | |
|--|----------------------------------|
| 12. Cooling systems | |
| a. Central Unit | Cap: 48.0 kBtu/hr
SEER: 10.00 |
| b. N/A | ___ |
| c. N/A | ___ |
| 13. Heating systems | |
| a. Electric Heat Pump | Cap: 48.0 kBtu/hr
HSPF: 7.00 |
| b. N/A | ___ |
| c. N/A | ___ |
| 14. Hot water systems | |
| a. LP Gas | Cap: 48.0 gallons
EF: 0.66 |
| b. N/A | ___ |
| c. Conservation credits | ___ |
| (HR-Heat recovery, Solar
DHP-Dedicated heat pump) | |
| 15. HVAC credits | PT, CF, ___ |
| (CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating) | |

Glass/Floor Area: 0.08

Total as-built points: 28607
Total base points: 36522

PASS

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

PREPARED BY: William H. Freeman
DATE: 6/20/05

I hereby certify that this building, as designed, is in compliance with the Florida Energy 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 with Section 553.908 Florida Statutes.



BUILDING OFFICIAL: _____
DATE: _____

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	2180.0	32.50	12753.0	Double, Clear	N	1.5	6.0	60.0	31.93	0.94	1801.4
				Double, Clear	E	1.5	6.0	45.0	68.60	0.92	2832.2
				Double, Clear	S	1.5	6.0	25.0	58.45	0.87	1277.4
				Double, Clear	S	1.5	6.0	15.0	58.45	0.87	766.4
				Double, Clear	W	1.5	6.0	30.0	61.59	0.92	1696.3
				Double, Clear	W	1.5	5.0	8.0	61.59	0.88	435.1
				As-Built Total:		183.0			8808.8		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		2312.0	2.40		5548.8	
Exterior	2312.0	2.70	6242.4								
Base Total: 2312.0 6242.4				As-Built Total:		2312.0			5548.8		
DOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Wood			34.0	9.40		319.6	
Exterior	53.0	6.40	339.5	Exterior Wood			19.0	9.40		179.0	
Base Total: 53.0 339.5				As-Built Total:		53.0			498.6		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2180.0	2.80	6104.0	Under Attic	30.0		2398.0	2.77 X 1.00		6642.5	
Base Total: 2180.0 6104.0				As-Built Total:		2398.0			6642.5		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	289.0(p)	-20.0	-5780.0	Slab-On-Grade Edge Insulation	0.0		289.0(p)	-20.00		-5780.0	
Raised	0.0	0.00	0.0								
Base Total: -5780.0				As-Built Total:		289.0			-5780.0		
INFILTRATION Area X BSPM = Points											
						Area X SPM = Points					
2180.0 18.79 40962.2						2180.0 18.79 40962.2					

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT											
Summer Base Points:		60621.1		Summer As-Built Points:					56680.9						
Total Summer Points	X	System Multiplier	=	Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	=	Cooling Points
60621.1		0.4266		25860.9	56680.9		1.000		(1.058 x 1.165 x 1.00)		0.341		0.902		21500.6
					56680.9		1.00		1.233		0.341		0.902		21500.6

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE	AS-BUILT																																																																			
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Type/SC</th> <th colspan="3">Overhang</th> <th rowspan="2">Area</th> <th rowspan="2">X WPM</th> <th rowspan="2">X WOF</th> <th rowspan="2">= Points</th> </tr> <tr> <th>Ornt</th> <th>Len</th> <th>Hgt</th> </tr> </thead> <tbody> <tr> <td>Double, Clear</td> <td>N</td> <td>1.5</td> <td>6.0</td> <td>60.0</td> <td>4.38</td> <td>0.99</td> <td>260.5</td> </tr> <tr> <td>Double, Clear</td> <td>E</td> <td>1.5</td> <td>6.0</td> <td>45.0</td> <td>3.30</td> <td>1.02</td> <td>151.6</td> </tr> <tr> <td>Double, Clear</td> <td>S</td> <td>1.5</td> <td>6.0</td> <td>25.0</td> <td>3.12</td> <td>1.02</td> <td>79.4</td> </tr> <tr> <td>Double, Clear</td> <td>S</td> <td>1.5</td> <td>6.0</td> <td>15.0</td> <td>3.12</td> <td>1.02</td> <td>47.6</td> </tr> <tr> <td>Double, Clear</td> <td>W</td> <td>1.5</td> <td>6.0</td> <td>30.0</td> <td>3.98</td> <td>1.00</td> <td>119.1</td> </tr> <tr> <td>Double, Clear</td> <td>W</td> <td>1.5</td> <td>5.0</td> <td>8.0</td> <td>3.98</td> <td>1.00</td> <td>31.8</td> </tr> <tr> <td colspan="4">As-Built Total:</td> <td>183.0</td> <td></td> <td></td> <td>690.1</td> </tr> </tbody> </table>	Type/SC	Overhang			Area	X WPM	X WOF	= Points	Ornt	Len	Hgt	Double, Clear	N	1.5	6.0	60.0	4.38	0.99	260.5	Double, Clear	E	1.5	6.0	45.0	3.30	1.02	151.6	Double, Clear	S	1.5	6.0	25.0	3.12	1.02	79.4	Double, Clear	S	1.5	6.0	15.0	3.12	1.02	47.6	Double, Clear	W	1.5	6.0	30.0	3.98	1.00	119.1	Double, Clear	W	1.5	5.0	8.0	3.98	1.00	31.8	As-Built Total:				183.0			690.1
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WINTER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT									
Winter Base Points:		1889.0		Winter As-Built Points:					1727.9				
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	= Heating Points
1889.0		0.6274	1185.2	1727.9 1727.9		1.000 1.00		(1.076 x 1.137 x 1.00) 1.223		0.487 0.487		0.950 0.950	978.3 978.3

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
4		2369.00	9476.0	48.0	0.66	4		1.00	1531.95
				As-Built Total:					6127.8

CODE COMPLIANCE STATUS													
BASE					AS-BUILT								
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
25861		1185		9476		36522	21501		978		6128		28607

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq. ft. window area; .5 cfm/sq. ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.0

The higher the score, the more efficient the home.

1 1 1 1

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 48.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 10.00
4. Number of Bedrooms	4	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	2180 ft ²	___		___
7. Glass area & type	Single Pane	Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft ²	183.0 ft ²	a. Electric Heat Pump	Cap: 48.0 kBtu/hr
b. Clear - double pane	0.0 ft ²	0.0 ft ²		HSPF: 7.00
c. Tint/other SHGC - single pane	0.0 ft ²	0.0 ft ²	b. N/A	___
d. Tint/other SHGC - double pane			c. N/A	___
8. Floor types				___
a. Slab-On-Grade Edge Insulation	R=0.0, 289.0(p) ft	___	14. Hot water systems	
b. N/A		___	a. LP Gas	Cap: 48.0 gallons
c. N/A		___		EF: 0.66
9. Wall types			b. N/A	___
a. Frame, Wood, Exterior	R=13.0, 2312.0 ft ²	___	c. Conservation credits	___
b. N/A		___	(HR-Heat recovery, Solar	
c. N/A		___	DHP-Dedicated heat pump)	
d. N/A		___	15. HVAC credits	PT, CF, ___
e. N/A		___	(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types			HF-Whole house fan,	
a. Under Attic	R=30.0, 2398.0 ft ²	___	PT-Programmable Thermostat,	
b. N/A		___	MZ-C-Multizone cooling,	
c. N/A		___	MZ-H-Multizone heating)	
11. Ducts				
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=63.6, 6.0 ft	___		
b. N/A		___		

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction,*

contact the Department of Community Affairs Energy Gauge Hotline (304) 482-1824.

Energy Gauge Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Project Title:
Laurel Lakes Lot 5

Code Only
Professional Version
Climate: South

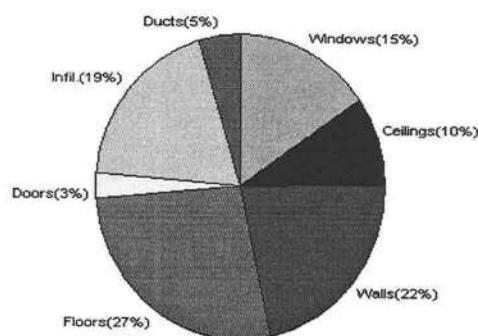
6/20/2005

Location for weather data: Orlando - User customized: Latitude(28) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(44gr.)			
Winter design temperature	38 F	Summer design temperature	98 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	32 F	Summer temperature difference	23 F
Total heating load calculation	27601 Btuh	Total cooling load calculation	29232 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	173.9 48000	Sensible (SHR = 0.5)	101.8 24000
Heat Pump + Auxiliary(0.0kW)	173.9 48000	Latent	424.6 24000
		Total (Electric Heat Pump)	164.2 48000

WINTER CALCULATIONS

Winter Heating Load (for 2180 sqft)

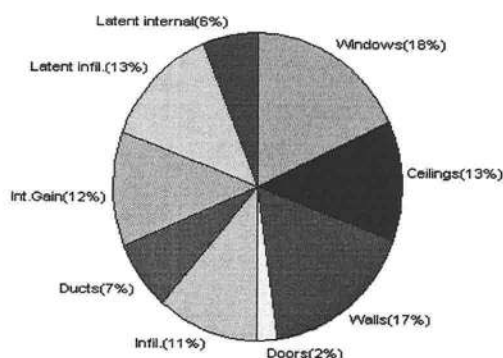
Load component	Load
Window total 183 sqft	4246 Btuh
Wall total 2312 sqft	6011 Btuh
Door total 53 sqft	781 Btuh
Ceiling total 2398 sqft	2638 Btuh
Floor total 289 ft	7485 Btuh
Infiltration 146 cfm	5126 Btuh
Subtotal	26286 Btuh
Duct loss	1314 Btuh
TOTAL HEAT LOSS	27601 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2180 sqft)

Load component	Load
Window total 183 sqft	5272 Btuh
Wall total 2312 sqft	4948 Btuh
Door total 53 sqft	651 Btuh
Ceiling total 2398 sqft	3741 Btuh
Floor total	0 Btuh
Infiltration 127 cfm	3224 Btuh
Internal gain	3600 Btuh
Subtotal(sensible)	21436 Btuh
Duct gain	2144 Btuh
Total sensible gain	23579 Btuh
Latent gain(infiltration)	3812 Btuh
Latent gain(internal)	1840 Btuh
Total latent gain	5652 Btuh
TOTAL HEAT GAIN	29232 Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: White H. Lee

DATE: 6/20/05

System Sizing Calculations - Winter

Residential Load - Component Details

Project Title:
Laurel Lakes Lot 5

Code Only
Professional Version
Climate: South

Reference City: Orlando (User customized) Winter Temperature Difference: 32.0 F

6/20/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	60.0	23.2	1392 Btuh
2	2, Clear, Metal, DEF	E	45.0	23.2	1044 Btuh
3	2, Clear, Metal, DEF	S	25.0	23.2	580 Btuh
4	2, Clear, Metal, DEF	S	15.0	23.2	348 Btuh
5	2, Clear, Metal, DEF	W	30.0	23.2	696 Btuh
6	2, Clear, Metal, DEF	W	8.0	23.2	186 Btuh
Window Total			183		4246 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	2312	2.6	6011 Btuh
Wall Total			2312		6011 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		34	14.7	500 Btuh
2	Wood - Exter		19	14.7	280 Btuh
Door Total			53		781 Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2398	1.1	2638 Btuh
Ceiling Total			2398		2638 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	289.0 ft(p)	25.9	7485 Btuh
Floor Total			289		7485 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	21800(sqft)	146	5126 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				146	5126 Btuh

Totals for Heating	Subtotal	26286 Btuh
	Duct Loss(using duct multiplier of 0.05)	1314 Btuh
	Total Btuh Loss	27601 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Project Title:
Laurel Lakes Lot 5

Code Only
Professional Version
Climate: South

Reference City: Orlando (User customized) Summer Temperature Difference: 23.0 F

6/20/2005

Window	Type	Overhang		Window Area(sqft)			HTM		Load		
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, DEF, B, N	N	1.5	6	60.0	0.0	60.0	17	17	1020	Btuh
2	2, Clear, DEF, B, N	E	1.5	6	45.0	9.3	35.7	17	48	1871	Btuh
3	2, Clear, DEF, B, N	S	1.5	6	25.0	25.0	0.0	17	26	425	Btuh
4	2, Clear, DEF, B, N	S	1.5	6	15.0	15.0	0.0	17	26	255	Btuh
5	2, Clear, DEF, B, N	W	1.5	6	30.0	4.0	26.0	17	48	1317	Btuh
6	2, Clear, DEF, B, N	W	1.5	5	8.0	0.0	8.0	17	48	384	Btuh
Window Total					183					5272	Btuh
Walls	Type	R-Value			Area		HTM		Load		
	1	Frame - Exterior	13.0			2312.0		2.1		4948	Btuh
	Wall Total					2312.0				4948	Btuh
Doors	Type				Area		HTM		Load		
	1	Wood - Exter				34.0		12.3		418	Btuh
	2	Wood - Exter				19.0		12.3		234	Btuh
	Door Total					53.0				651	Btuh
Ceilings	Type/Color	R-Value			Area		HTM		Load		
	1	Under Attic/Dark	30.0			2398.0		1.6		3741	Btuh
	Ceiling Total					2398.0				3741	Btuh
Floors	Type	R-Value			Size		HTM		Load		
	1	Slab-On-Grade Edge Insulation	0.0			289.0 ft(p)		0.0		0	Btuh
	Floor Total					289.0				0	Btuh
Infiltration	Type	ACH			Volume		CFM=		Load		
	Natural	0.35			21800		127.4		3224	Btuh	
	Mechanical						0		0	Btuh	
	Infiltration Total							127		3224	Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	8	X 300 +	1200	3600 Btuh

Totals for Cooling	Subtotal	21436 Btuh
	Duct gain(using duct multiplier of 0.10)	2144 Btuh
	Total sensible gain	23579 Btuh
	Latent infiltration gain (for 44 gr. humidity difference)	3812 Btuh
	Latent occupant gain (8 people @ 230 Btuh per person)	1840 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		29232 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

EnergyGauges® FLRCPB v3.30



BAILEY BISHOP & LANE, INC.

Engineers

Surveyors

Planners

RECORDS OF COLUMBIA COUNTY, FL

00-21511

'00 DEC 12 PM 4:13

December 11, 2000

mck

R. Dewitt Cason
Clerk of Court
Columbia County, Florida

RE: AFFIDAVIT: Amendment to record plat of LAUREL LAKE, recorded in Plat Book 7,
Pages 9 and 10 of the Public Records of Columbia County, Florida

The purpose of this amendment is to correct erroneous building setback requirements stated on the
record plat of Laurel Lake as follows:

Front - 30 feet
Side - 15 feet

These distances are graphically shown in error on each lot as well as erroneously stated in Note No. 6 on
Sheet 2.

Zoning for Laurel Lake is RSF-2. According to the Columbia County Land Development Regulations,
Section 4.7, "RSF" Residential Single Family Zoning, the correct required minimum setback distances are:
Front - 25 feet, and side - 10 feet.

The original intention was to specify on the record plat the minimum setbacks as stated in the Land
Development Regulations.

The rear setback distance as stated on the record plat is correct.

Acknowledged by:

John M. Lane
John M. Lane, P.S.M.
LS 4303

EK 0916 PG0337

OFFICIAL RECORDS

Date: 12-12-2000

Debra J Channell

My Commission CC964434

Expires August 29, 2004

Notarized and Witnessed By:

Debra J Channell
Debra Channell

Date: 12-12-2000

STATE OF FLORIDA, COUNTY OF COLUMBIA

I HEREBY CERTIFY, that the above and foregoing

is a true copy of the original filed in this office.

R. DEWITT CASON, CLERK OF COURTS

Marcel C. Kuen
Deputy Clerk

Dec 12, 2000

Columbia County Building Department Culvert Permit

Culvert Permit No.
000000744

DATE 07/19/2005 PARCEL ID # 03-4S-16-02732-105
APPLICANT JL DUPREE PHONE 754-5678
ADDRESS PO BOX 2861 LAKE CITY FL 32056
OWNER PHOENIX LAND DEVELOPMENT PHONE 754-2171
ADDRESS 248 SE RED MAPLE WAY LAKE CITY FL 32025
CONTRACTOR JL DUPREE PHONE 754-5678
LOCATION OF PROPERTY 90 W, L SW DEPUTY JEFF DAVIS LN, L INTO LAURL LAKE S/D,
5TH LOT ON RIGHT BY THE LAKE

SUBDIVISION/LOT/BLOCK/PHASE/UNIT LAUREL LAKE 5

SIGNATURE *Shannon M. Regan*

INSTALLATION REQUIREMENTS

☐

Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
 - b) the driveway to be served will be paved or formed with concrete.
- Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

☐

Culvert installation shall conform to the approved site plan standards.

☐

Department of Transportation Permit installation approved standards.

☒

Other SUBDIVISION IS APPROVED FOR 24 FOOT CULVERTS

18" DIAMETER BY 24' LENGTH WITH MITERED ENDS

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALLATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



ck# 1866

Columbia County Building Permit Application

23393 / 744

For Office Use Only	Application # <u>0507-12</u>	Date Received <u>7/6/05</u>	By <u>JW</u>	Permit# <u>23393 / 744</u>
Application Approved By - Zoning Official <u>BLK</u>		Date <u>15-07-05</u>		Plans Examiner <u>OK JTH</u>
Flood Zone <u>per plot</u>	Development Permit <u>N/A</u>	Zoning <u>RSF-2</u>	Land use Plan map Category <u>RES. Low Den</u>	
Comments _____				

Shannon

✓ Applicants Name J.L DuPree Construction Services, Inc Phone 754-5678
✓ Address PO Box 2861 Lake City, Florida 32056
✓ Owners Name Phoenix Land Development & Property Management Phone 754-2171
✓ 911 Address 248 SE Red Maple Way Lake City, FL
✓ Contractors Name J.L. DuPree Construction Services Phone 386-754-5678
✓ Address P.O. Box 2861 Lake City Florida 32056
✓ Fee Simple Owner Name & Address _____
✓ Bonding Co. Name & Address _____
✓ Architect/Engineer Name & Address Freeman Design Group
✓ Mortgage Lenders Name & Address _____
✓ Property ID Number 03-4s-16-02732-105 Estimated Cost of Construction _____
✓ Subdivision Name Laurel Lake Lot 5 Block _____ Unit _____ Phase _____
✓ Driving Directions 90 W to SW Deputy Jeff Davis Lane Come to Laurel Lake Subdivision on left, 5th lot

On right (by lake)

Type of Construction Residential Number of existing dwellings on property 0
Total Acreage .5 Lot Size 0.5 Do You need A Culvert Permit or Culvert Waiver or Have an existing Drive
Actual Distance of structure from property lines (Front 21' Side 15' Side 15'-8" Rear 89'-7")
Total Building Height 21'9" Number of stories 1 Heated floor area 2180 roof pitch 7-12

✓ Porches 51'
GARAGE 85'
TOTAL 3, 54'

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

Owner Builder or Agent (including Contractor)

J.L. DuPree
Contractor Signature
Contractors License Number CGC060631
Competency Card Number _____

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY STAMP/ SEAL

Sworn to (or affirmed) and subscribed before me
This 6th day of July 20 05
Personally known ✓ or Produced Identification

Kern L. Clark
Notary Signature



Kern L. Clark
My Commission DD373744
Expires November 21 2008

COLUMBIA COUNTY FLORIDA OFFICE OF CIVIL ENGINEERING

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 03-4S-16-02732-105

Building permit No. 000023393

Use Classification SFD

Fire: 29.60

Permit Holder JL DUPREE

Waste: 61.25

Owner of Building PHOENIX LAND DEVELOPMENT

Total: 90.85

Location: 248 SE RED MAPLE WAY(LAUREL LAKE, LOT 5)

Date: 05/02/2006



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Engineers • Planners

161 N.W. Madison St., Suite 102
Lake City, Florida 32055
Tel: 386-758-4209
Fax: 386-758-4290

Wednesday, August 03, 2005

Columbia County Building Dept.
Lake City, FL. 32055

RE: Permit #23393

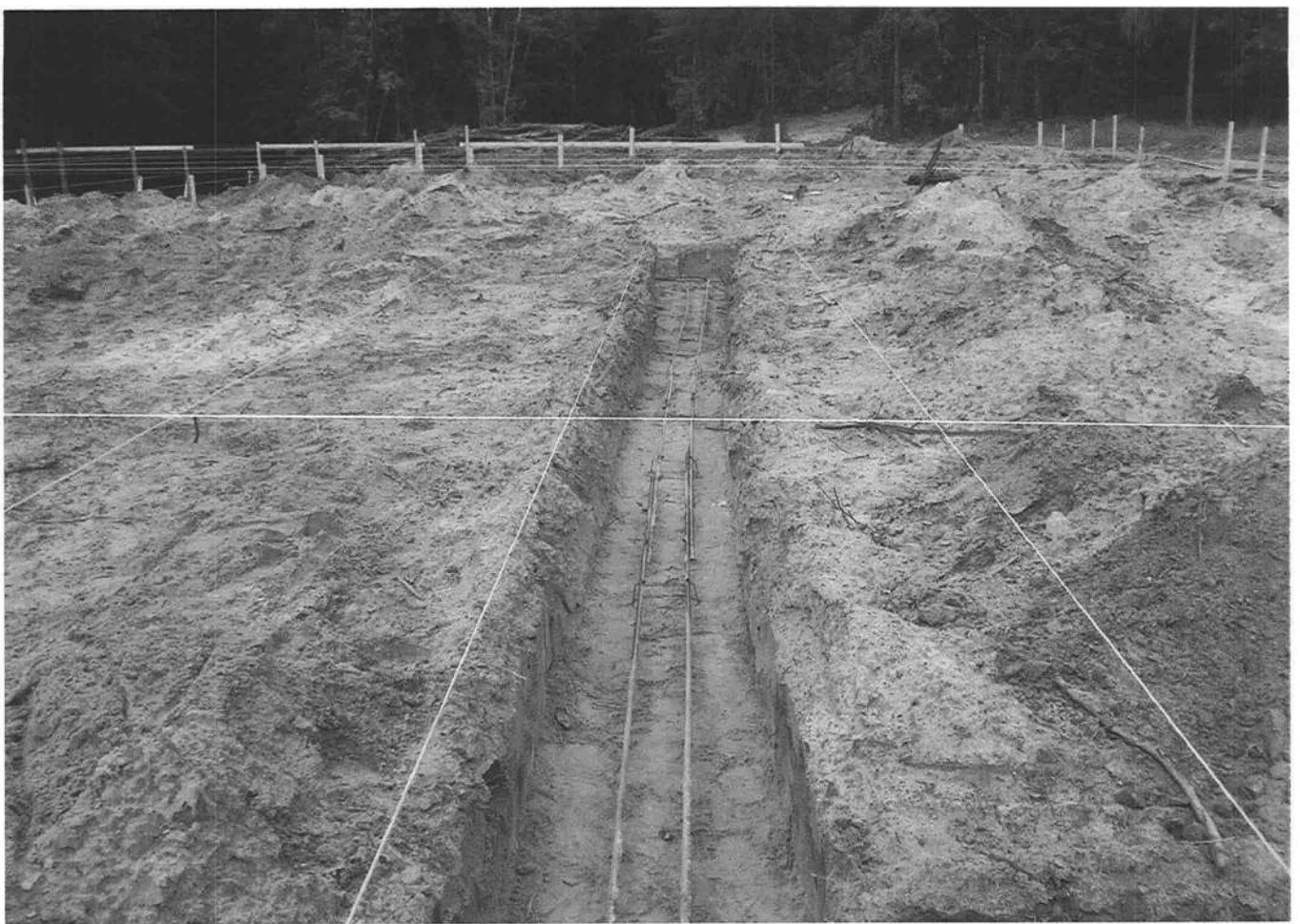
To Whom It May Concern:,

I have performed a footing inspection, and I certify that the footings are in compliance with the approved plans. If you have any questions, please call me at (386) 758-4209.

Sincerely,

A handwritten signature in cursive script that reads "William H. Freeman".

William H. Freeman, P.E.
President
Certificate of Authorization # 00008701





Engineers • Planners

161 N.W. Madison St., Suite 102
Lake City, Florida 32055
Tel: 386-758-4209
Fax: 386-758-4290

Thursday, September 13, 2005

Columbia County Building Dept.
Lake City, FL. 32055

RE: Permit #23393, Lot #5 Laurel Lake Subdivision

To Whom It May Concern:

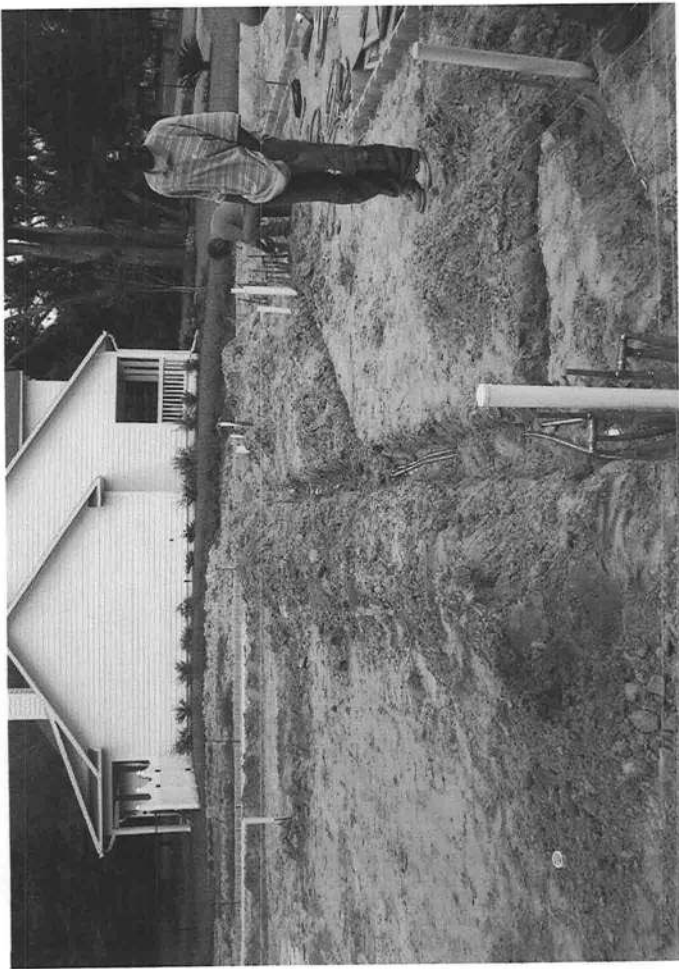
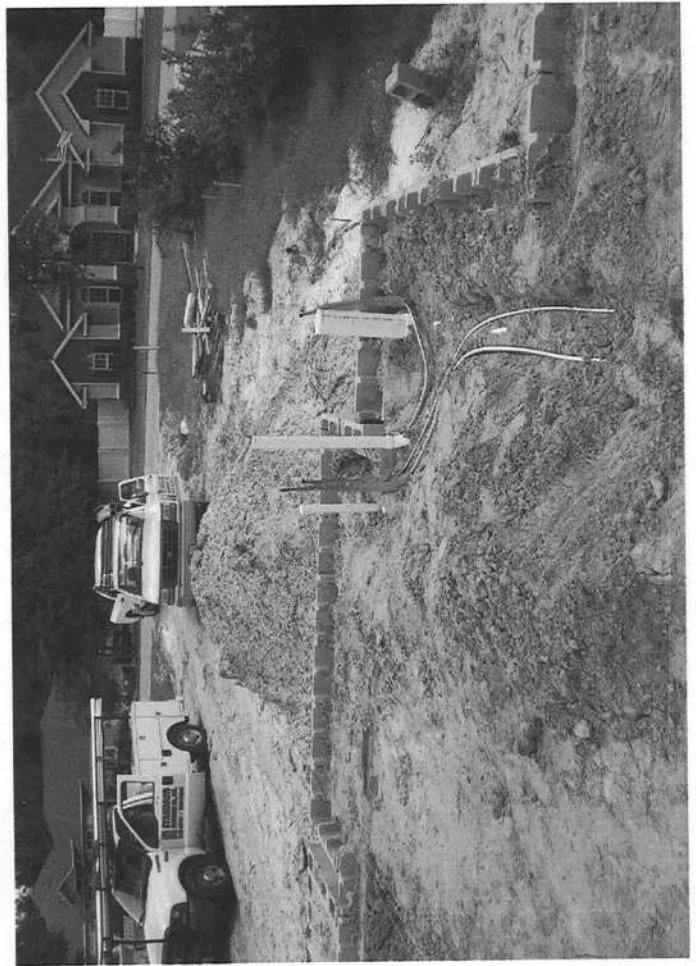
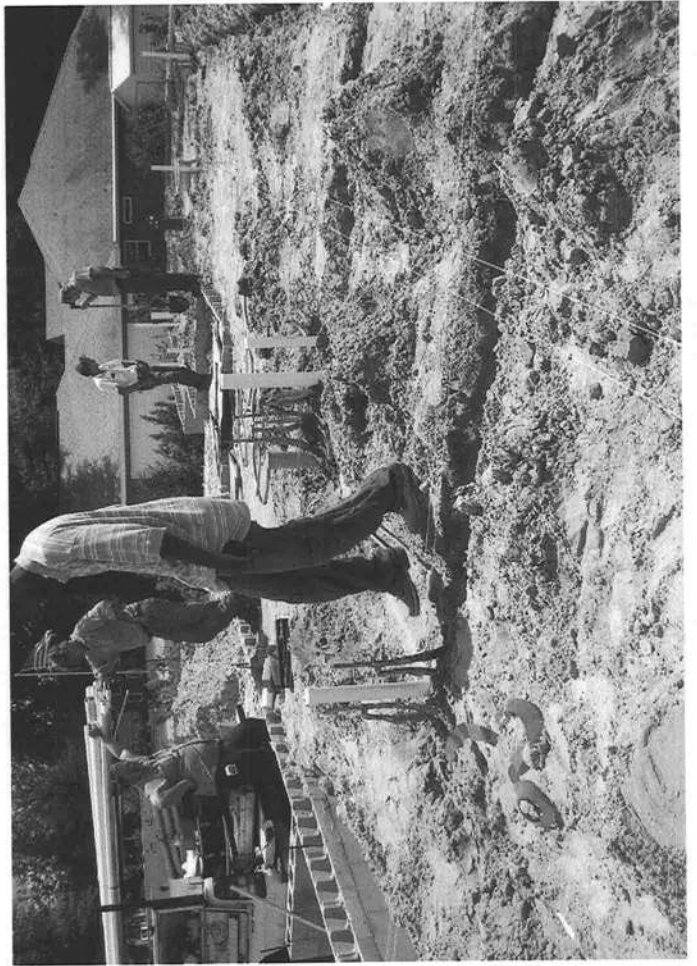
I have performed the under slab rough plumbing inspection for the above referenced project. I certify the plumbing is in compliance with the approved plans and specifications. If you have any questions, please call me at (386) 758-4209.

Sincerely,

William H. Freeman, P.E.

President

Certificate of Authorization # 00008701





Engineers • Planners

161 N.W. Madison St., Suite 102
Lake City, Florida 32055
Tel: 386-758-4209
Fax: 386-758-4290

Thursday, September 29, 2005

Columbia County Building Dept.
Lake City, FL. 32055

RE: Permit #23393, Lot #5 Laurel Lake Subdivision

To Whom It May Concern:

I have performed the pre-slab inspection for the above referenced project. I certify the work has been completed in compliance with the approved plans and specifications. If you have any questions, please call me at (386) 758-4209.

Sincerely,

William H. Freeman, P.E.
President
Certificate of Authorization # 00008701

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

Date: 5-25-05

248 SW Pied Maple Way Lot #5 ^{Laurel Lakes} Lake City
(Address of Treatment or Lot/Block of Treatment) City

Florida Pest Control & Chemical Co.

www.flapest.com

Product to be used: Bora-Care Termiticide (Wood Treatment)

Chemical to be used: 23% Disodium Octaborate Tetrahydrate

Application will be performed onto structural wood at dried-in stage of construction. Bora-Care Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1861.1.8

(Information to be provided to local building code offices prior to concrete foundation installation.)