754-0392

Columbia County Building Permit Application

Revised 9-23-0

For Office Use Only Application # 0601-62 Date Received 1/24/06 By G Permit # ~~24492~~ 24522

Application Approved by - Zoning Official BLK Date 26.01.06 Plans Examiner DKSTH Date 3-2-06

Flood Zone X Per FIRM Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments Section 2.3.1 (C# 2229) 24522 NOC

Applicants Name Linda ~~Roder~~ ~~BRIAN~~ ANGIE NEITZKE Phone 386-752-2281

Address 387 S.W. Kemp Ct. Lake City FL 32024

Owners Name Brian & Angie Neitzke Phone 754-0392

911 Address 326 S.W. Oakwood Ct. Lake City FL 32024

Contractors Name Brian Neitzke - owner Builder Phone 754-0392

Address 190 S.W. Oak Wood Dr. Lake City FL 32024

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Evan Beamsley / Mark Disosway

Mortgage Lenders Name & Address Log Wonders of America &

Circle the correct power company - FL Power & Light - (Clay Elec.) - Suwannee Valley Elec. - Progressive Energy

Property ID Number 34-45-16-03276-108 Estimated Cost of Construction 160,000

Subdivision Name Hunters Oak Lot ~~8~~ 8/9 Block ____ Unit ____ Phase ____

Driving Directions 47 S. go R on Bishop Lane, L on Winston, R on Ziegler Terrace, L on Dockery, R on S.W. Oakland Ct. 8th Lot dou on L, (Lots 8+9)

Type of Construction SFD Number of Existing Dwellings on Property 0

Total Acreage 4.136 Lot Size ____ Do you need a (Culvert Permit) or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 65' / Side 107' / Side 107' / Rear 494' /

Total Building Height 29'-02" Number of Stories 2 Heated Floor Area 3650 Roof Pitch 10-12, 4-1

Porch 366 GARAGE 652 TOTAL 4668

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 COMMENCMENT 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.

X _____

Owner Builder or Agent (Including Contractor) Contractor Signature

STATE OF FLORIDA
COUNTY OF COLUMBIA

Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Contractors License Number ____

Competency Card Number ____

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me this 8 day of December 20 05.

Personally known ✓ or Produced Identification ____

Notary Signature

JJ Melanie REVISED 3-2-06

Columbia County Property Appraiser

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

PARCEL: 34-4S-16-03276-108 - VACANT (000000)

LOTS 8 & 9 HUNTERS OAK S/D ORB 742-2183. WD 1062-19, WD 1062-20.

Name:	NEITZKE BRIAN & ANGELA	LandVal	$29,000.00
Site:		BldgVal	$0.00
Mail:	190 SW OAK WOOD DR LAKE CITY, FL 32024	ApprVal	$29,000.00
		JustVal	$29,000.00
Sales Info	10/14/2005 $25,000.00V / Q 10/14/2005 $19,900.00V / U 3/7/1991 $19,900.00V / Q	Assd	$29,000.00
		Exmpt	$0.00
		Taxable	$29,000.00

This information, GIS Map Updated: 8/3/2005, 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, it's use, or it's 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.

Prepared by:
Michael H. Harrell
Abstract & Title Services, Inc.
283 NW Cole Terrace
Lake City, Florida 32055

AT9# 16367

Inst:2005025780 Date:10/17/2005 Time:15:08
Doc Stamp-Deed : 175.00
DC,P.DeWitt Cason,Columbia County B:1082 P:20

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 14th day of October, 2005, Terry R. Litteral, and his wife, Sheryl A. Litteral, hereinafter called the grantor, to Brian Neitzke, and his wife, Angela Neitzke whose post office address is: 190 SW Oak Wood Dr., Lake City, FL 32024 hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of $10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, Florida, viz: Parcel ID# R03276-108

Lot 8 and Lot 9, of Hunter's Oak, a subdivision according to plat thereof recorded in Plat Book 6, Page 57, of the Public Records of Columbia County, Florida.

TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2004.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Witness: Traci Landry

Witness: Nicole Storer

Terry R. Litteral

Sheryl A. Litteral

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 14th day of October, 2005 by TERRY R. LITTERAL, AND HIS WIFE, SHERYL A. LITTERAL personally known to me or, if not personally known to me, who produced Driver's License No._____for identification and who did not take an oath.

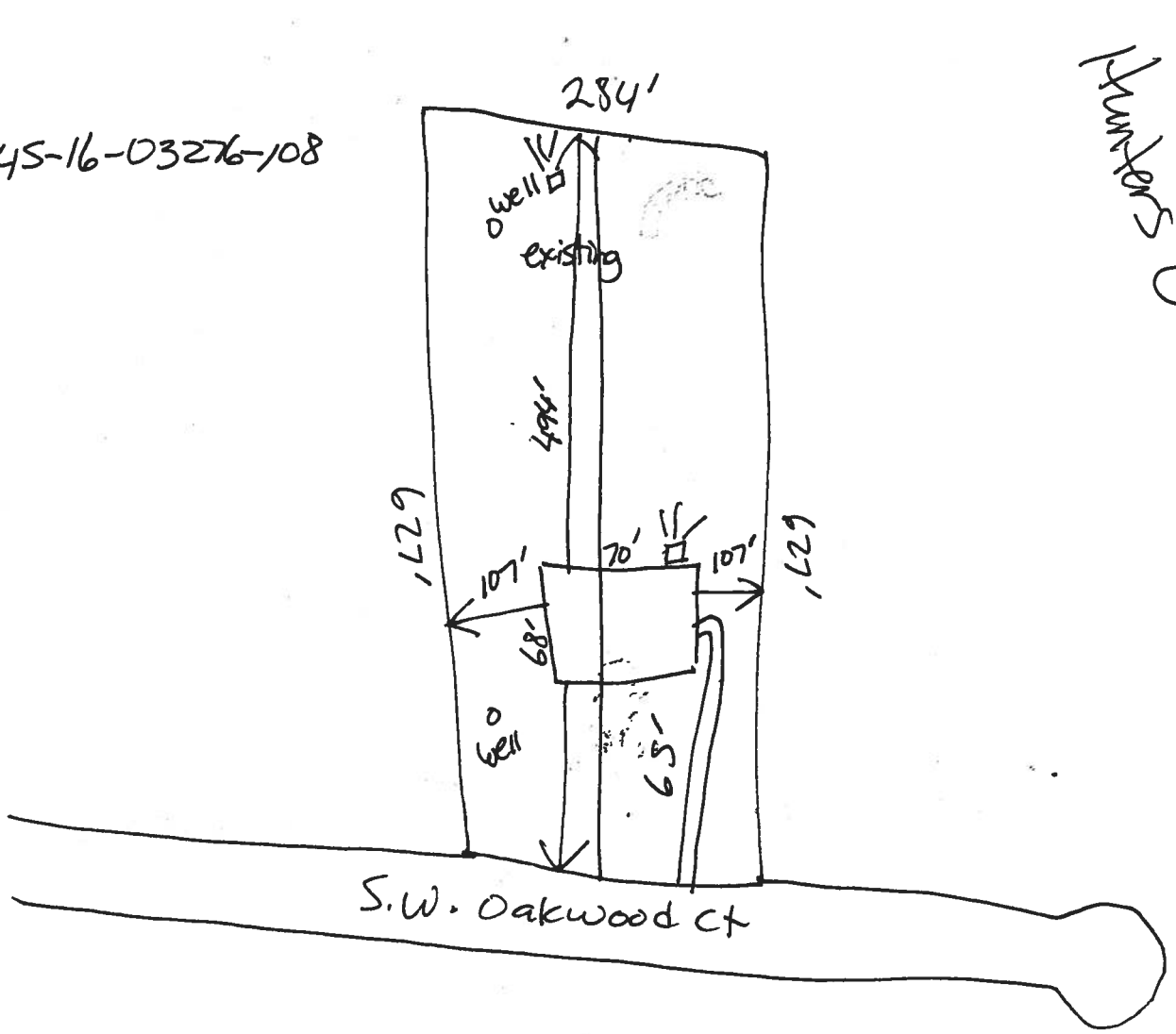
(Notary Public Seal)
MICHAEL H. HARRELL
MY COMMISSION # DD 406480
EXPIRES: April 6, 2009
Bonded Thru Notary Public Underwriters

Notary Public

Brian & Angie Neitzke

Site Plan

34-45-16-03276-108



Lots 8+9 Hunters Oak

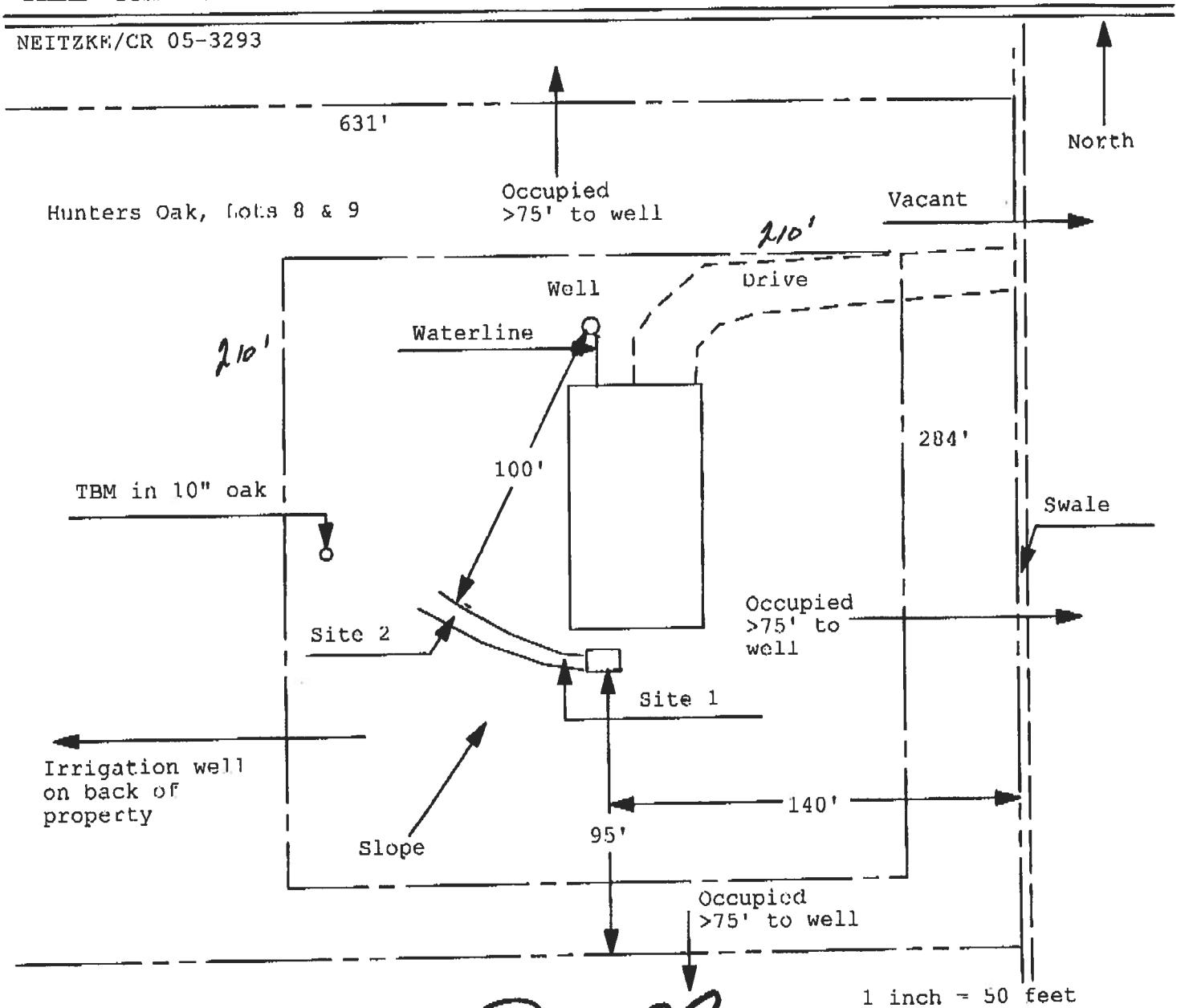
N

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-0001N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

NEITZKE/CR 05-3293



Site Plan Submitted By Paul Lloyd **Date** 12/29/05

Plan Approved ✓ **Not Approved** ____ **Date** 1-4-06

By [signature] Columbia **CPHU**

Notes: ____

DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THER OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

(X) Single Family Dwelling
( ) Farm Outbuilding
( ) New Construction
( ) Two-Family Residence
( ) Other_____
( ) Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I Brian Neitzke, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number 24449

X _____ 12-7-08
Signature Date

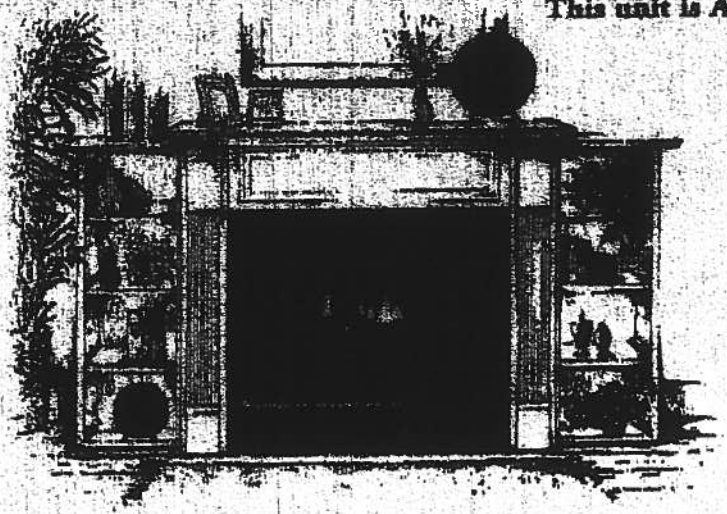
FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date 4-28-06 Building Official/Representative _____

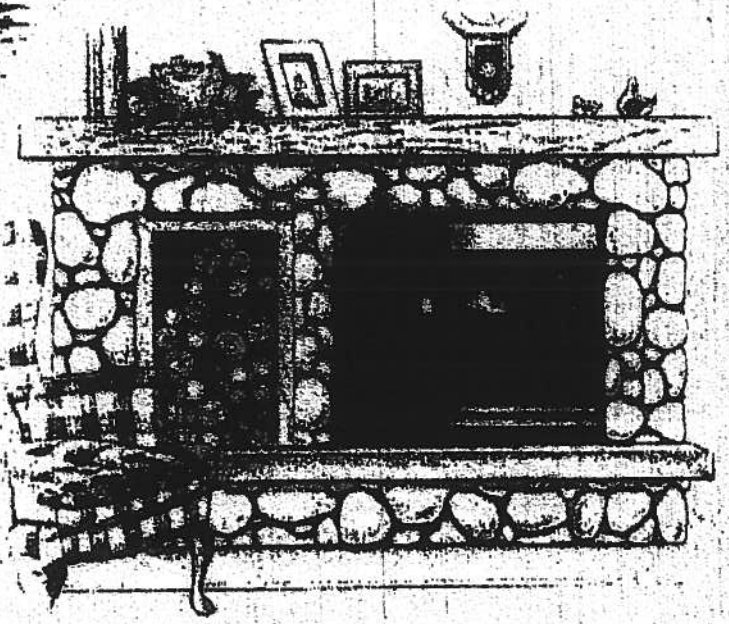
VENT-FREE

This unit is A.G.A. certified as a heater with 99% heat efficiency
No chimney or flue system required
Wide selection of factory installed options offered



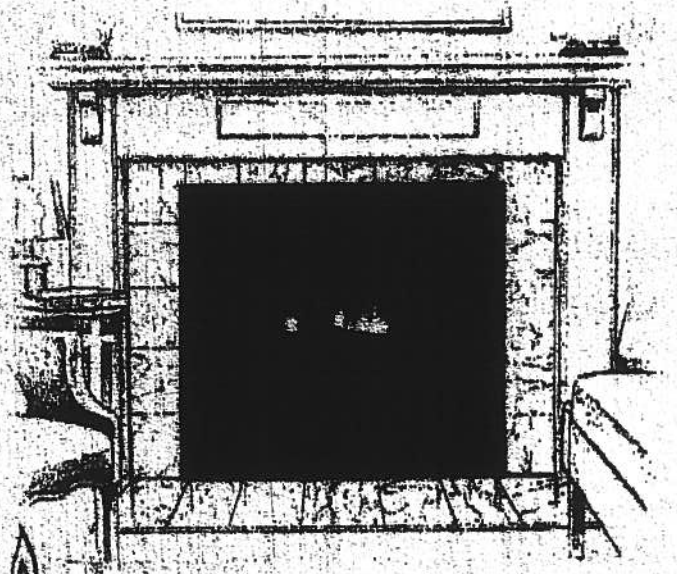
VF-4000

- 14,000 – 25,000 Btu/hr with manual control valve
- 19,500 – 25,000 Btu/hr with millivolt control valve
- Fully assembled and ready to install
- Attractive wood surrounds available
- 15" x 30" fixed or operable screen opening



VF-5000

- 25,000 Btu/hr millivolt variable heat output
- 15" X 30" glass or screen viewing area
- Clean burning, safe and easy to install
- Realistic charred oak logs with glowing embers



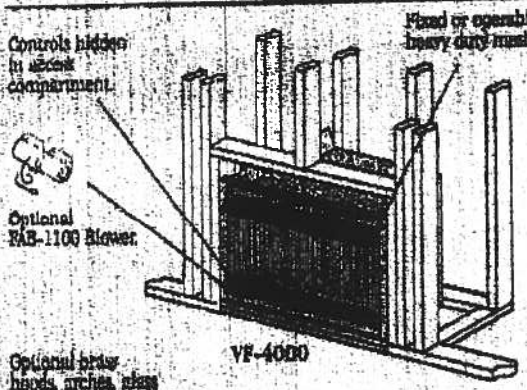
VF-6000

- 32,000 Btu/hr millivolt variable heat output
- Beautiful 20" X 34" glass or screen viewing area
- Will operate during a power failure
- Designed for large rooms

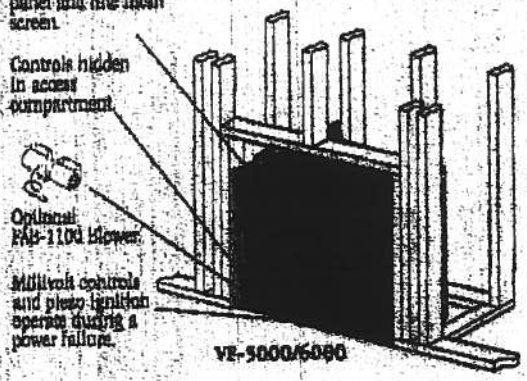
GAS

SUPERIOR

VF-6000 shown



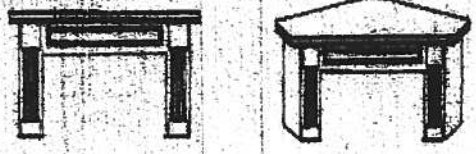
VF-4000



VF-5000/6000

SURROUNDS

The Charleston Poplar Surround is hand crafted using a combination of solid Poplar and Poplar veneer. Using the unique wood type of Poplar allows you the option to paint or stain this elegantly detailed surround. The surround is constructed using easy to assemble cam locks, and available in corner and wall units.



Distributed by:

Refractory tan brick panels

Gas Dux liner kit.

Square brass trim kit.

Brass Louver kit (For VF-4 only)

Screen panel kit. (For VF-5 & VF6 only)

Arch kit. (For VF-5 & VF6 only)

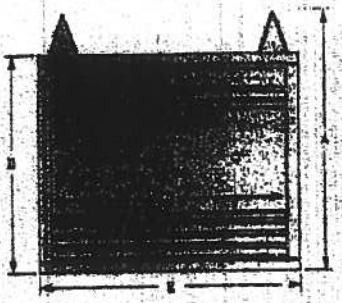
Glass door kit. (For VF-5 & VF6 only)

Brass hood. (For VF-5 & VF6 only)

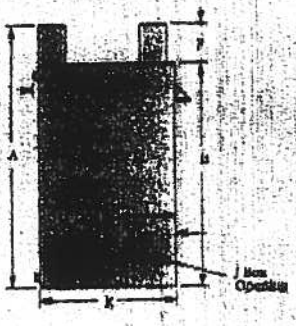
Wall switch or optional wireless remote available. (For VF-4MV, VF-5 & VF-6)

Wall thermostat. (For VF-4MV, VF-5 & VF-6)

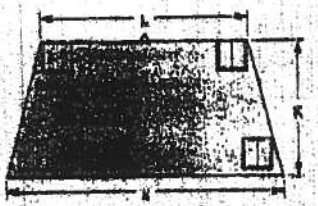
Front View



Left Side View



Top View



Vent-Free Product Dimensions

	VF-4000/5000C	VF-6000C
		42-1/8"
B	33-1/2"	35-5/8"
		20"
D	30"	34"
		40"
F	5-1/2"	5-1/2"
		1-1/2"
H	3-1/4"	3-3/4"
		8-1/2"
J	3"	3"
		19-1/8"
L	37"	28-1/2"

Btu Chart

Model	Natural	Propane
VF-4000 manual	14,000 – 25,000	14,000 – 25,000
VF-4000/5000 millivolt	19,500 – 25,000	19,500 – 25,000
VF-6000	25,000 – 32,000	25,000 – 32,000

Framing Dimension

Model	Width	Height	Depth
VF-4000/5000	37"	37-1/4"	15-1/2"
VF-6000	41"	42-5/8"	19-1/2"

NOTE: Diagrams and illustrations are not to scale. Product design materials, dimensions, specifications, colors and prices subject to change or discontinuation without notice. Built to ANSI Z21.11.2 standard and approved by A.G.A. (report # L29700117).

Consult your distributor for local fireplace code information.

SUPERIOR

www.LennoxHearthProducts.com

P/N 804464 REV # 2/00

FLORIDA BUILDING CODE

Overview | User Registration | Organization Registration | User Association | Organization Search | Organization Accreditation

Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer

Manufact. Buildings

Approval Status: (ALL)

Organization Name: General American Door - Product Manufacturer

Cancel Search

Result List for Organizations

Displaying 1-1 of 1

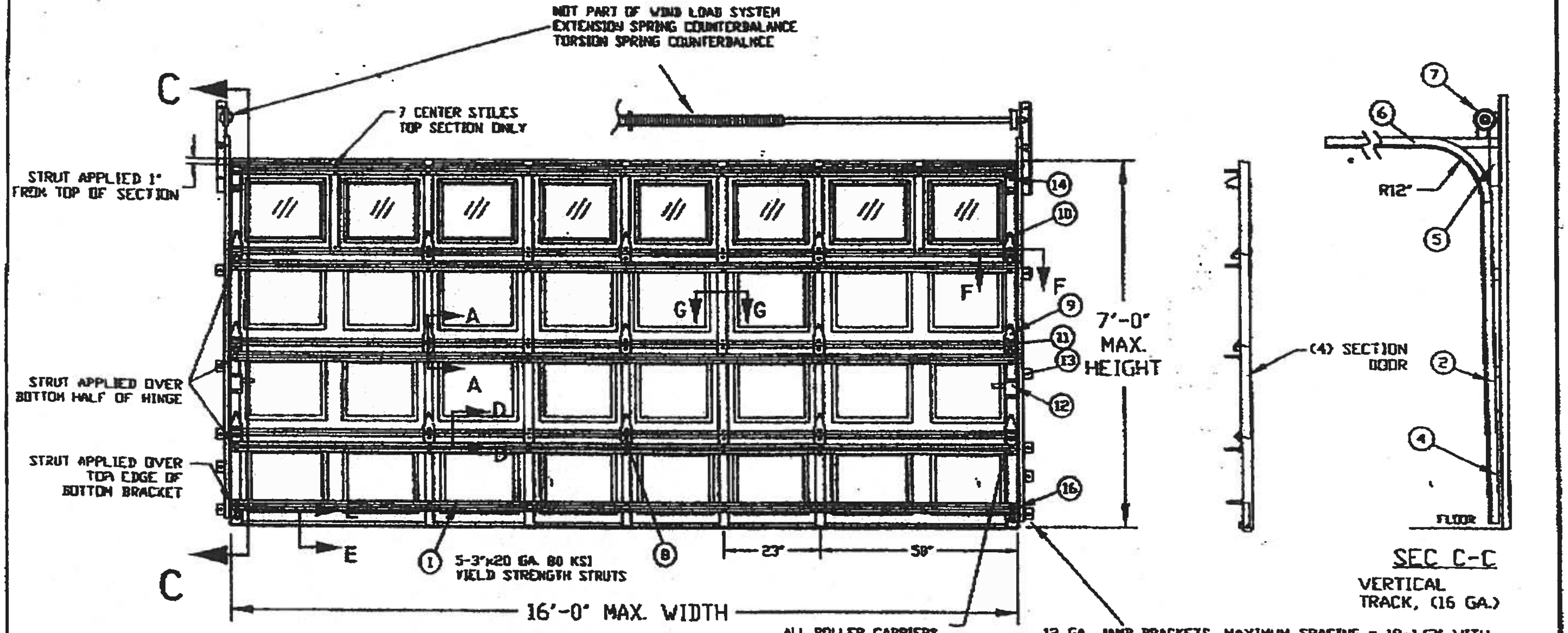
Name	City	Contact	Phone	Type	Expire	Status
General American Door	Montgomery	James Campbell	6308593000	Product Manufacturer	01/01/2099	Approved
Org Code: PDM System ID: 3585			Site Link: www.gadco.com			

Displaying 1-1 of 1

REV.	DATE	BY	DESCRIPTION
A - A	11-10-00	DW	SEE E.C.N. 831

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT= 21"
3. SECTION HEIGHTS OF 21.00" AND 19.50" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION (AS TESTED WITH 1/8" DSB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MINIMUM LENGTH OF ROLLER STEM IS 5¼" (7" AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR 2 AS TESTED.
9. (Δ) DROP IN TYPE OF INSULATION IS OPTIONAL.



INSIDE ELEVATION

12 GA. JAMB BRACKETS, MAXIMUM SPACING = 19-1/2" WITH LOWEST BRACKET APPROX. 3" FROM FLOOR, 2ND BRACKET NEAR THE HORIZONTAL ℄ OF THE BOTTOM SECTION, AND 3RD BRACKET NEAR THE TOP OF THE BOTTOM SECTION

The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s), dimensions and installation(s) of the door as tested.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL PE No. 024280 YASER R. KEYVAN

LISTED SBCCI PST & ESI REPORT No. 2202

TEST REPORTS ON FILE VIBCO 10/19/00 (00293)

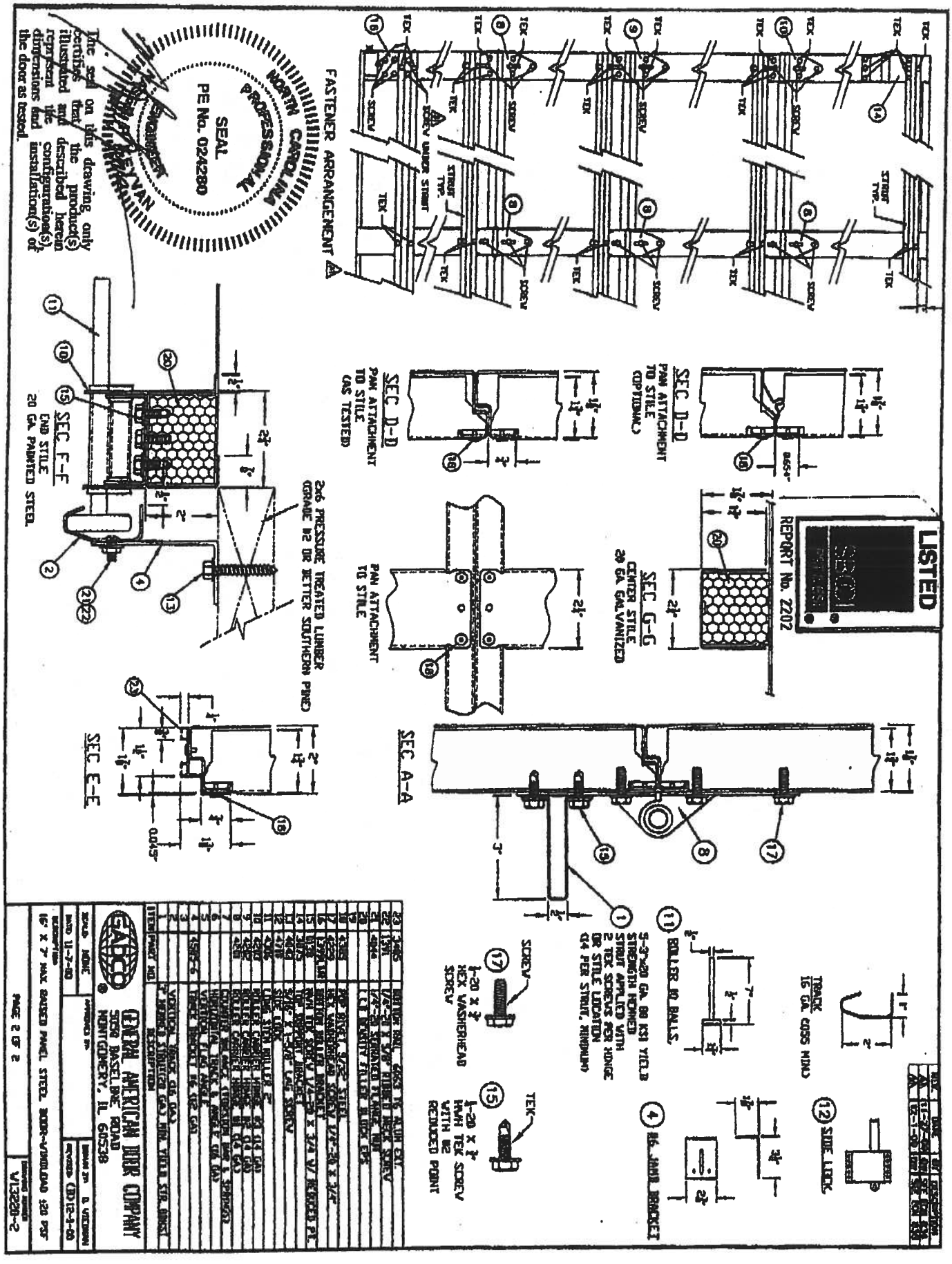
DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

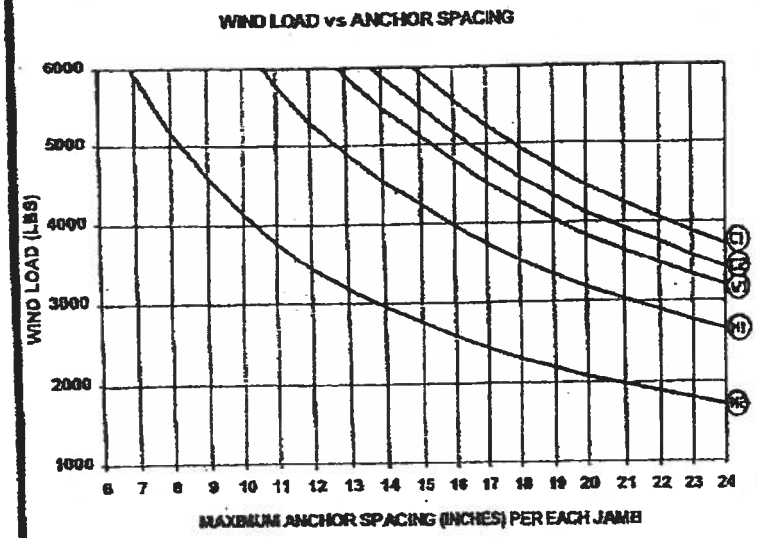
GADCO DOORS
SERIES 7480, EXTERIOR STEEL =.017 MIN (AS TESTED)
SERIES 7825, EXTERIOR STEEL =.019" MIN Δ
SERIES 7524, EXTERIOR STEEL =.024" MIN Δ
(TESTED WITH WINDOWS)

MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS 80 KSI SIZE	STRUTS 80 KSI QTY.	VERTICAL TRACK
16'	7'	23"	3"	5	2 IN.

GADCO GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE: 1/35 | APPROVED BY: | DRAWN BY: D. WIEDMAN
DATE: 10-20-00 | REVISED: (A) 11-10-00
DESCRIPTION: 16' X 7' MAX. RAISED PANEL STEEL DOOR -WINDLOAD ±20 PSF
PART NUMBER: PAGE 1 OF 2 | DRAWING NUMBER: W13220-1


FASTENER ARRANGEMENT
SEC A-A
SEC B-B
SEC C-C
SEC D-D
SEC E-E
SEC F-F
SEC G-G
LISTED
REPORT No. 2202
SEAL
PE No. 024280
NORTH CAROLINA
PROFESSIONAL
2x6 PRESSURE TREATED LUMBER (GRADE #2 OR BETTER SOUTHERN PINE)
CENTRAL AMERICAN DOOR COMPANY
5508 BASELINE ROAD
MONTGOMERY, IL 60538
15' X 7' MAX RAISED PANEL STEEL DOOR-VARIOUS 20 PSF
PAGE 2 OF 2
VI3220-2



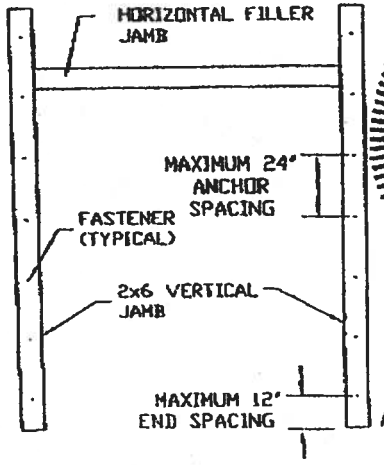
DESIGN LOAD (LBS/FT²) X GARAGE DOOR AREA(WIDTH-FT X HEIGHT-FT) = WIND LOAD(LBS)

EXAMPLE

30 LBS/FT² X (16 FT WIDE X 8 FT HIGH) = 3840 LBS

- C1 USE 22" SPACING
- C2 USE 21" SPACING
- V1 USE 19" SPACING
- M1 USE 16" SPACING
- M2 USE 10" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



NORTH CAROLINA PROFESSIONAL SEAL PE No. 024280 ENGINEER NASER R KEYVAN

NASER R KEYVAN S3774 STATE OF FLORIDA PROFESSIONAL ENGINEER

3/8/2002

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2x6 PRESSURE TREATED (GRADE #2 OR BETTER SOUTHERN PINE) WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.

2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION: SSTD 10," CURRENT EDITION.

3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.

4) WOOD FRAME BUILDINGS: STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE (#2 GRADE OR BETTER) WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.

5) REINFORCED CMU OR CONCRETE: 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2150 PSI. GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI; REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.

7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4"

8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.

9) WASHERS ARE REQUIRED ON ALL FASTENERS.

10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.

11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

GADCO®

GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

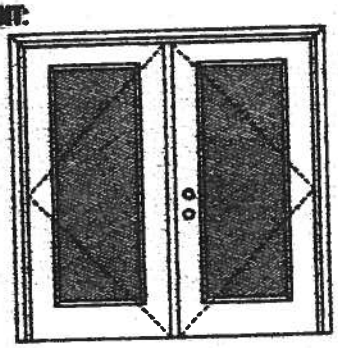
SCALE: NONE	APPROVED BY:	DRAWN BY: DV
DATE: 8-30-99		REVISED
DESCRIPTION: JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS		
	MASTER DRAWING NUMBER: A10560	DRAWING NUMBER

XX
Glazed Outswing Unit

[redacted]

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Double Door
Maximum unit size – 6'0" x 6'8"

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


135 Series


680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


12 RL, 23 RL, 24 RL Series*


107 Series*


108 Series


304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

XX
Glazed Outswing Unit

COP-NW-JH4162-02

WOOD-EDGE STEEL DOORS

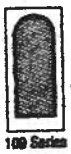
APPROVED DOOR STYLES:
3/4 GLASS:

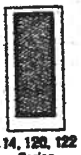

404 Series


410 Series


450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Johnson Entry Systems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

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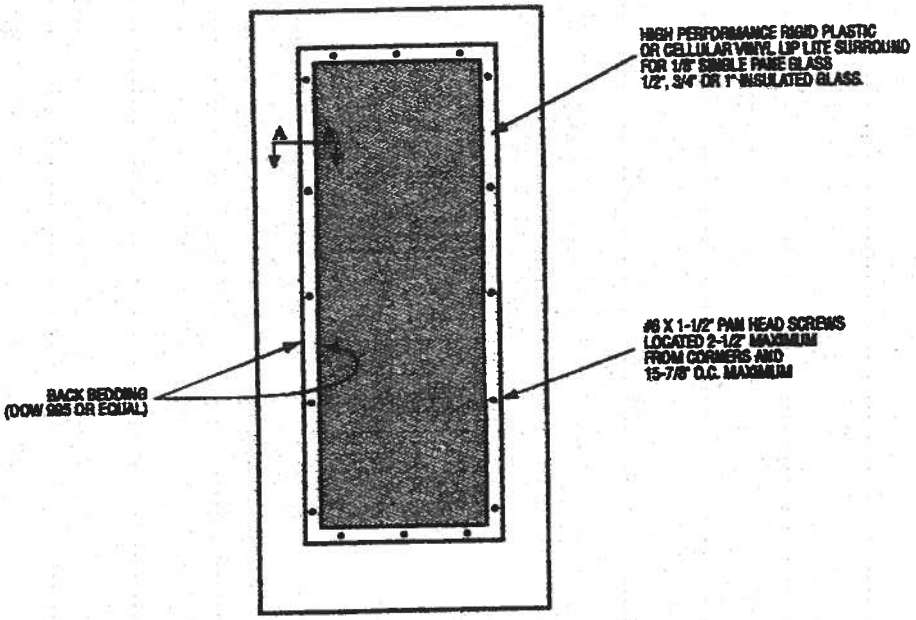
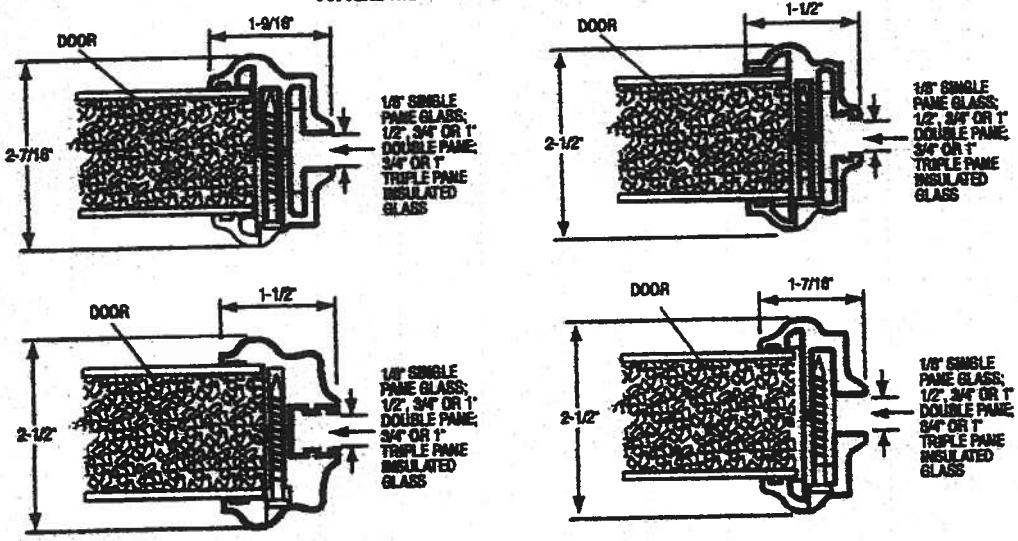
GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND

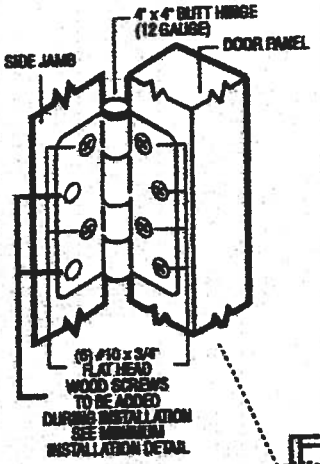


XX
Unit

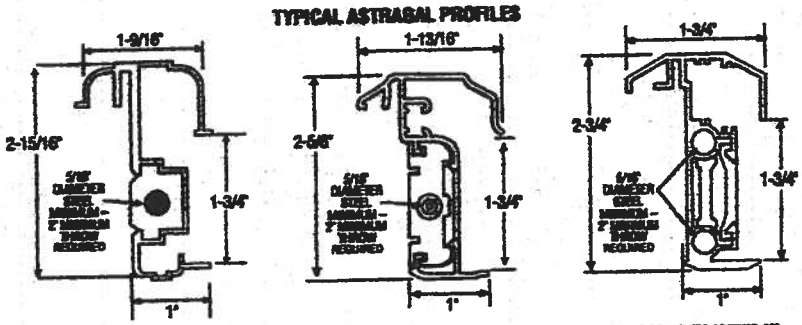
MAD-WL-MA0012-02

OUTSWING UNITS WITH DOUBLE DOOR

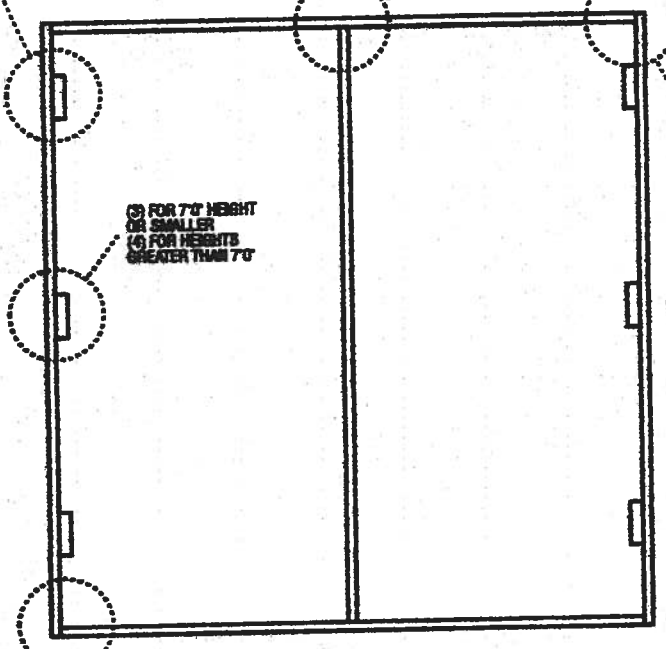
TYPICAL HINGE ATTACHMENT



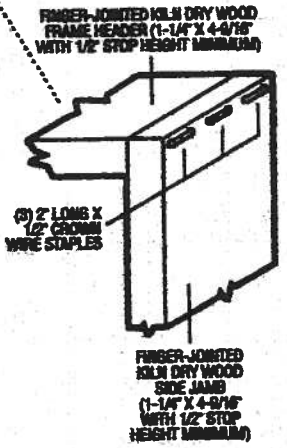
TYPICAL ASTRAGAL PROFILES



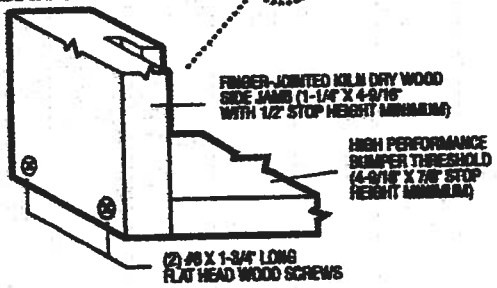
ALUMINUM EXTRUDED ASTRAGAL (0.05" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDERICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS – LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.



TYPICAL HEADER & SIDE JAMB ATTACHMENT



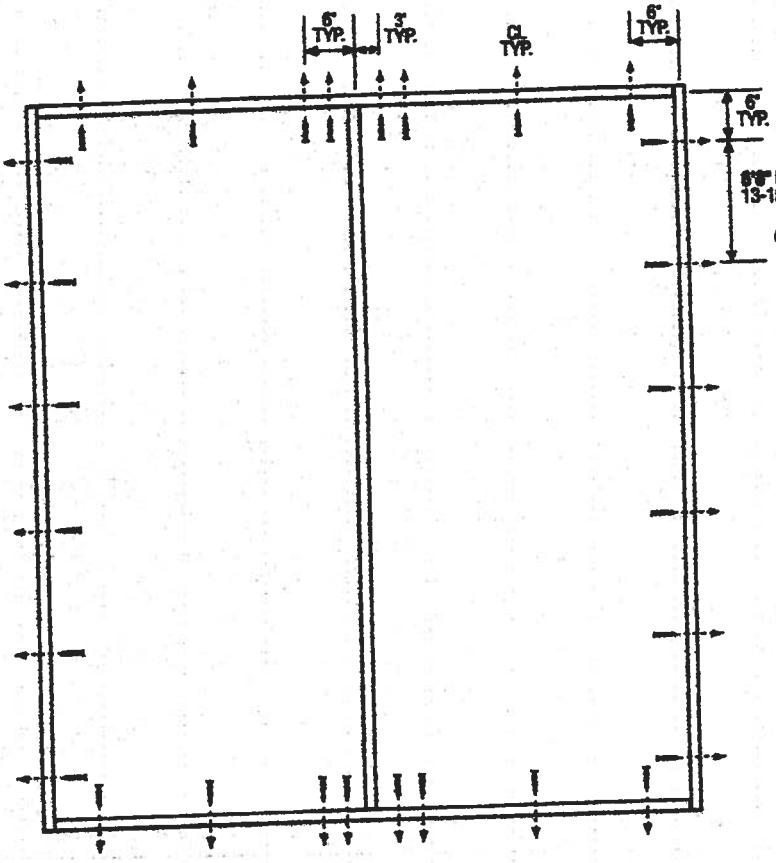
TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



XX
Unit

IND-WL-MA0002 0X

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylinderical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®

Masonite International Corporation

March 29, 2002

TAMKO®
ROOFING PRODUCTS

FEB - 4 RECD

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

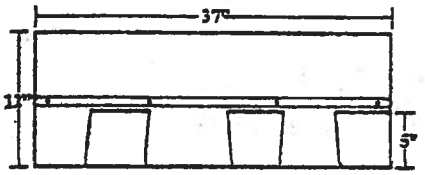
TAMKO Roofing Products, Inc.

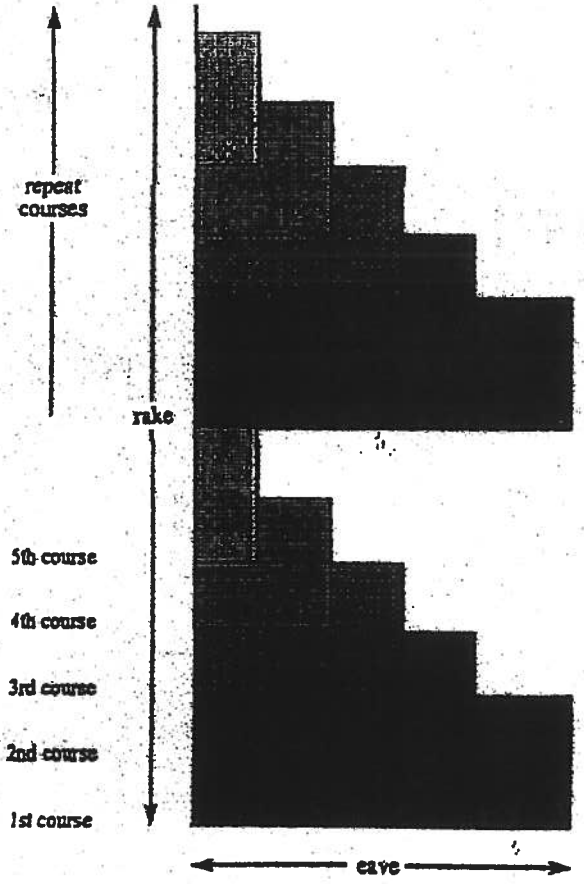
CORPORATE HEADQUARTERS
220 W. FOURTH STREET P.O. BOX 1404 JOPLIN, MO 64802-1404 800-641-4691 FAX 800-641-1925

TAMKO
ROOFING PRODUCTS

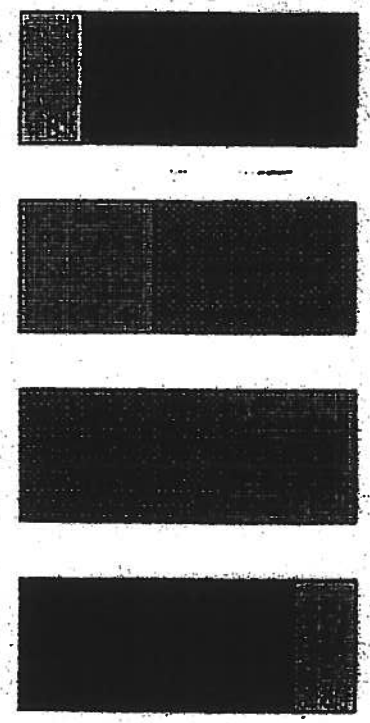
Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"





The 4 cuts in the first 10 courses:



In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.

TAMKO ROOFING PRODUCTS

Application Instructions for

• Glass-Seal • Elite Glass-Seal®
• Glass-Seal AR • Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.
THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.
IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thick-nails and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement.
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.
FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

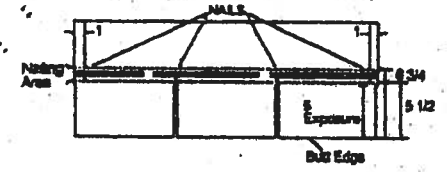
3. FASTENING

NAILS: TAMKO recommends the use of nails as the preferred method of application.
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

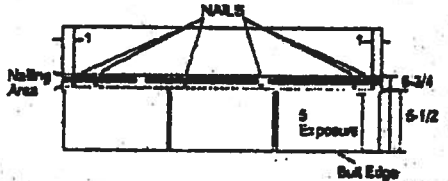
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 6-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below).



2) Mansard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fastener per shingle. (See Mansard fastening pattern illustrated below.)



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

(Continued)

(CONTINUED from Pg. 2)

TAMKO ROOFING PRODUCTS

• Glass-Seal • Elite Glass-Seal®
• Glass-Seal AR • Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a 3.25 piece and applied to shingles with a 5 in. exposure, use 6 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

8. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and refasten in a new location. Remove all drip edge metal and replace with new.

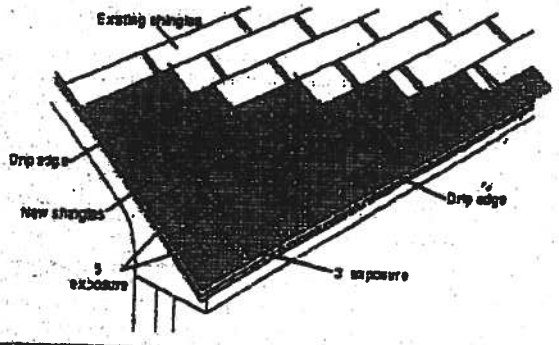
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nesting procedure described below is the preferred method for re-roofing over square tab strip shingles with a 5 in. exposure.

Starter Course: Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in. tabs from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Succeeding Courses: According to the off-set application method you choose to use, remove the appropriate length from the rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingle used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.



9. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Fast® or a minimum 50 lb. roll roofing in the valley. Nail the felt only where necessary to hold it in place and then only nail the outside edges.

IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

- Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.

Note: For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

- To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.

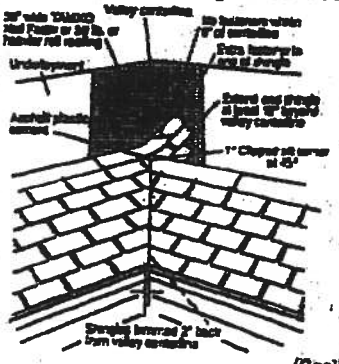
Note: For a neater installation, snap a chalkline over the shingles for guidance.

- Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

- *CAUTION: Adhesive must be applied in smooth, thin, even layers.*

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.



(Continued)

(CONTINUED from Pg. 3)

TAMKO ROOFING PRODUCTS

- **Glass-Seal**
- **Glass-Seal AR**
- **Elite Glass-Seal®**
- **Elite Glass-Seal® AR**

THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

10. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

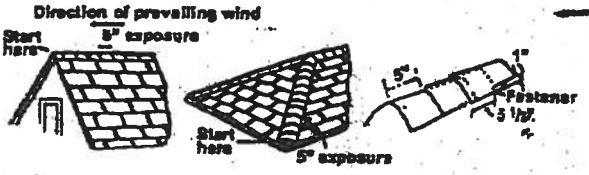
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite Glass-Seal AR shingles.

Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.



THIS PRODUCT IS COVERED BY A LIMITED WARRANTY. THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

In this paragraph "You" and "Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper, or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

I

AAMA/NWWDA 101/I.S.2-97
TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin
TYPE: Aluminum Single Hung Window

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:mlb

1 APRIL 2002

ALLEN D. REEVES
No. 11354
STATE OF FLORIDA
PROFESSIONAL ENGINEER

II

Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allan M. Reeves
1 APRIL 2002

ALLAN M. REEVES
LICENSE
NO. 15384
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

III

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen N. Reevestad
1 APRIL 2002

ALLEN N. REEVESTAD
CERTIFICATE NO. 18554
STATE OF FLORIDA
PROFESSIONAL ENGINEER

IV

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft^2	0.3 cfm/ft^2 max
	Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.		
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 25.9 psf (positive)	0.42"*	0.26" max.
	@ 34.7 psf (negative)	0.43"*	0.26" max.
	**Exceeds L/175 for deflection, but passes all other test requirements.*		
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 38.9 psf (positive)	0.02"	0.18" max.
	@ 52.1 psf (negative)	0.02"	0.18" max.

Allen N. Reeves
1 APRIL 2002

ALLEN N. REEVES ★ CERTIFICATE NO. 18[illegible] ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER ★

Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987)		
	In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"*	0.26" max.
	@ 47.2 psf (negative)	0.46"*	0.26" max.
	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 67.5 psf (positive)	0.05"	0.18" max.
	@ 70.8 psf (negative)	0.05"	0.18" max.

Exceeds L/175 for deflection, but passes all other test requirements.

Allen M. Reeves
1 APRIL 2002

LEN N. REEVES
CERTIFICATE
No. 18334
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

VI

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

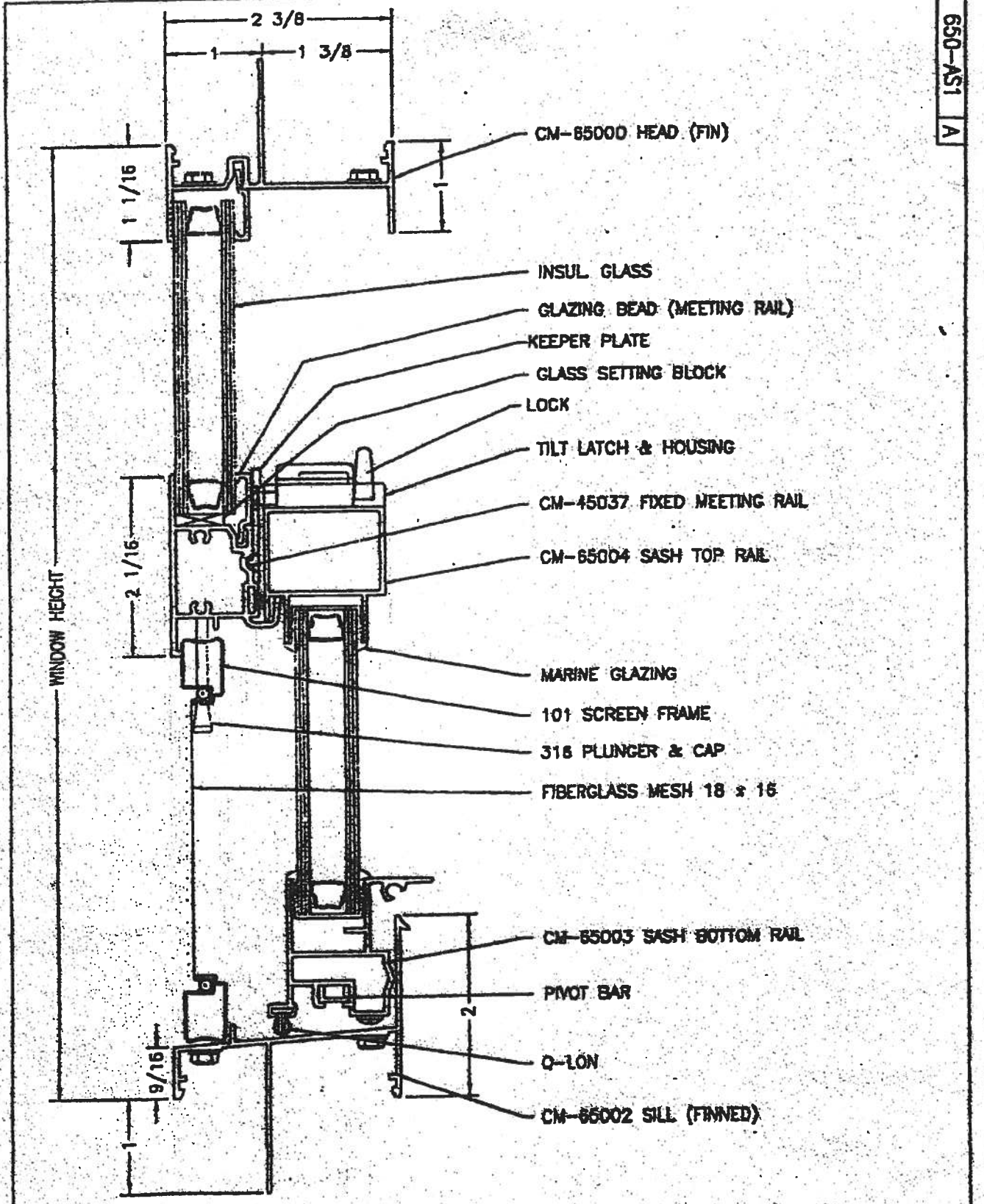
For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002

MAH:nlb
01-41134.01

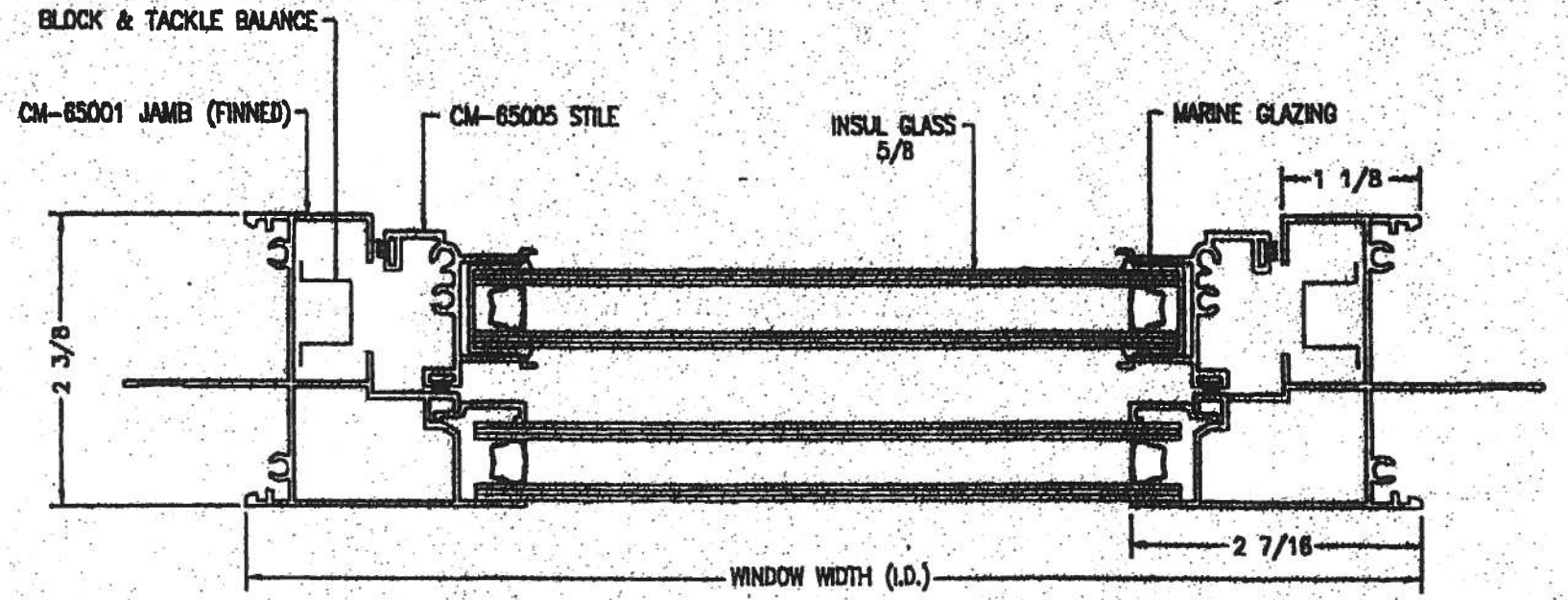
650-AS1 A



MI HOME PRODUCTS
650 WEST MARKET STREET • GRATZ, PA • 17030-0370

TITLE	650 SH FIN MAIN FRAME VERTICAL CROSS SECTION				
DRAWN Y.M.R.	DATE 4-7-82	SCALE FULL	DWG. NO. 650-AS1	REV. A	

650-AS2 | B



MI HOME PRODUCTS
950 WEST MARKET STREET • GRATZ, PA • 17030-0370

TITLE: 650 SH FIN MAIN FRAME INSULATED GLASS HORIZONTAL CROSS SECTION

DRN	DATE	SCALE	DRAWING NO.	REV
VJLR	4-7-92	FULL	650-AS2	B

Nortate

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 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 the following:

Applicant	Plans Examiner	
☑	☐	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.
☑	☐	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional
☑	☐	**Elevations including:**
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation
☑	☐	d) Location, size and height above roof of chimneys
☑	☐	e) Location and size of skylights
☑	☐	f) Building height
☑	☐	e) Number of stories

Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accesssable bathroom)

Foundation Plan including:

- a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel

Roof System:

- a) Truss package including:
  1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
  2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) Conventional Framing Layout including:
  1. Rafter size, species and spacing
  2. Attachment to wall and uplift
  3. Ridge beam sized and valley framing and support details
  4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- a) Masonry wall
  1. All materials making up wall
  2. Block size and mortar type with size and spacing of reinforcement
  3. Lintel, tie-beam sizes and reinforcement
  4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
  5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
  6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
  7. Fire resistant construction (if required)
  8. Fireproofing requirements
  9. Shoe type of termite treatment (termiticide or alternative method)
  10. Slab on grade
      a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
      b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
  11. Indicate where pressure treated wood will be placed
  12. Provide insulation R value for the following:
      a. Attic space
      b. Exterior wall cavity
      c. Crawl space (if applicable)

☐ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

☑ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☑ ☐ b) Floor joist size and spacing

☑ ☐ c) Girder size and spacing

☑ ☐ d) Attachment of joist to girder

☑ ☐ e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

☑ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☑ ☐ b) Ceiling fans

☑ ☐ c) Smoke detectors

☑ ☐ d) Service panel and sub-panel size and location(s)

☑ ☐ e) Meter location with type of service entrance (overhead or underground)

☑ ☐ f) Appliances and HVAC equipment

HVAC information

☑ ☐ a) Manual J sizing equipment or equivalent computation

☑ ☐ b) Exhaust fans in bathroom

☑ ☐ **Energy Calculations** (dimensions shall match plans)

☐ ☐ **Gas System** Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

Residential System Sizing Calculation

Summary

Neitzke

, FL

Project Title:
509013NeitzkeResidence

Class 3 Rating
Registration No. 0
Climate: North

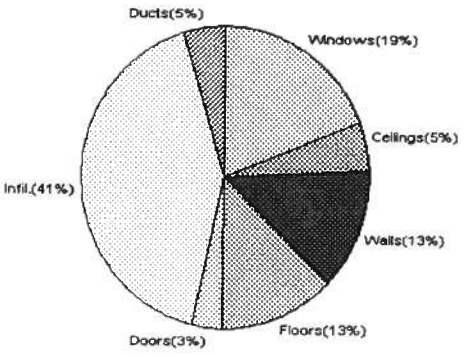
12/8/2005

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	18	F
Total heating load calculation	**50793**	**Btuh**	**Total cooling load calculation**	**53038**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	124.0	63000	Sensible (SHR = 0.5)	86.5	31500
Heat Pump + Auxiliary(0.0kW)	124.0	63000	Latent	189.3	31500
			Total (Electric Heat Pump)	118.8	63000

WINTER CALCULATIONS

Winter Heating Load (for 3650 sqft)

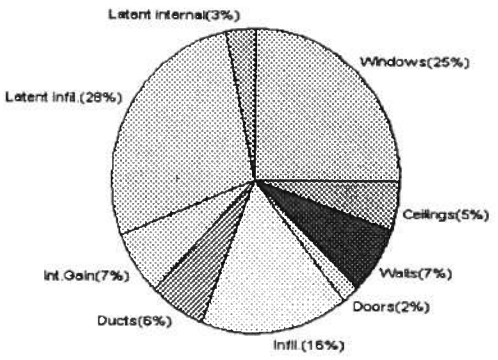
Load component			Load	
Window total	345	sqft	9764	Btuh
Wall total	2288	sqft	6703	Btuh
Door total	100	sqft	1654	Btuh
Ceiling total	2035	sqft	2646	Btuh
Floor total	See detail report		6689	Btuh
Infiltration	488	cfm	20920	Btuh
Subtotal			**48375**	**Btuh**
Duct loss			2419	Btuh
TOTAL HEAT LOSS			**50793**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 3650 sqft)

Load component			Load	
Window total	345	sqft	13340	Btuh
Wall total	2288	sqft	3799	Btuh
Door total	100	sqft	1014	Btuh
Ceiling total	2035	sqft	2890	Btuh
Floor total			0	Btuh
Infiltration	427	cfm	8448	Btuh
Internal gain			3600	Btuh
Subtotal(sensible)			**33091**	**Btuh**
Duct gain			3309	Btuh
Total sensible gain			**36400**	**Btuh**
Latent gain(infiltration)			14797	Btuh
Latent gain(internal)			1840	Btuh
Total latent gain			**16637**	**Btuh**
TOTAL HEAT GAIN			**53038**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: Ben Gilbert

DATE: 12-8-05

System Sizing Calculations - Winter

Residential Load - Component Details

Neitzke
, FL

Project Title:
509013NeitzkeResidence

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

12/8/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	4.0	28.3	113 Btuh
2	2, Clear, Metal, DEF	N	12.0	28.3	340 Btuh
3	2, Clear, Metal, DEF	N	16.0	28.3	453 Btuh
4	2, Clear, Metal, DEF	N	30.0	28.3	849 Btuh
5	2, Clear, Metal, DEF	E	16.0	28.3	453 Btuh
6	2, Clear, Metal, DEF	SE	10.0	28.3	283 Btuh
7	2, Clear, Metal, DEF	S	20.0	28.3	566 Btuh
8	2, Clear, Metal, DEF	SW	10.0	28.3	283 Btuh
9	2, Clear, Metal, DEF	S	30.0	28.3	849 Btuh
10	2, Clear, Metal, DEF	W	45.0	28.3	1274 Btuh
11	2, Clear, Metal, DEF	S	3.0	28.3	85 Btuh
12	2, Clear, Metal, DEF	SE	2.0	28.3	57 Btuh
13	2, Clear, Metal, DEF	S	4.0	28.3	113 Btuh
14	2, Clear, Metal, DEF	SW	2.0	28.3	57 Btuh
15	2, Clear, Metal, DEF	S	6.0	28.3	170 Btuh
16	2, Clear, Metal, DEF	N	60.0	28.3	1698 Btuh
17	2, Clear, Metal, DEF	E	15.0	28.3	424 Btuh
18	2, Clear, Metal, DEF	W	30.0	28.3	849 Btuh
19	2, Clear, Metal, DEF	S	30.0	28.3	849 Btuh
	Window Total		345		9764 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	2028	3.1	6287 Btuh
2	Frame - Adjacent	13.0	260	1.6	416 Btuh
	Wall Total		2288		6703 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		80	18.3	1466 Btuh
2	Insulated - Adjac		20	9.4	188 Btuh
	Door Total		100		1654Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2035	1.3	2646 Btuh
	Ceiling Total		2035		2646Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	196.0 ft(p)	31.6	6194 Btuh
2	Raised Wood/Enclosed	19	550.0 sqft	0.9	495 Btuh
	Floor Total		746		6689 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	36500(sqft)	488	20920 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			488	20920 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Neitzke
, FL

Project Title:
509013NeitzkeResidence

Class 3 Rating
Registration No. 0
Climate: North

12/8/2005

Totals for Heating	**Subtotal**	**48375 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**2419 Btuh**
	Total Btuh Loss	**50793 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

Neitzke
, FL

Project Title:
509013NeitzkeResidence

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F 12/8/2005

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load	
1	2, Clear, DEF, N, N	N	0	0	4.0	0.0	4.0	22	22	88	Btuh
2	2, Clear, DEF, N, N	N	0	0	12.0	0.0	12.0	22	22	264	Btuh
3	2, Clear, DEF, N, N	N	0	0	16.0	0.0	16.0	22	22	352	Btuh
4	2, Clear, DEF, N, N	N	0	0	30.0	0.0	30.0	22	22	660	Btuh
5	2, Clear, DEF, N, N	E	0	0	16.0	0.0	16.0	22	72	1152	Btuh
6	2, Clear, DEF, N, N	SE	8	7	10.0	10.0	0.0	22	62	220	Btuh
7	2, Clear, DEF, N, N	S	4	7	20.0	20.0	0.0	22	37	440	Btuh
8	2, Clear, DEF, N, N	SW	8	7	10.0	10.0	0.0	22	62	220	Btuh
9	2, Clear, DEF, N, N	S	1.5	7	30.0	30.0	0.0	22	37	660	Btuh
10	2, Clear, DEF, N, N	W	0	0	45.0	0.0	45.0	22	72	3240	Btuh
11	2, Clear, DEF, N, N	S	6	2	3.0	3.0	0.0	22	37	66	Btuh
12	2, Clear, DEF, N, N	SE	8	2	2.0	2.0	0.0	22	62	44	Btuh
13	2, Clear, DEF, N, N	S	4	2	4.0	4.0	0.0	22	37	88	Btuh
14	2, Clear, DEF, N, N	SW	8	2	2.0	2.0	0.0	22	62	44	Btuh
15	2, Clear, DEF, N, N	S	1.5	2	6.0	6.0	0.0	22	37	132	Btuh
16	2, Clear, DEF, N, N	N	1.5	6.5	60.0	0.0	60.0	22	22	1320	Btuh
17	2, Clear, DEF, N, N	E	0	0	15.0	0.0	15.0	22	72	1080	Btuh
18	2, Clear, DEF, N, N	W	0	0	30.0	0.0	30.0	22	72	2160	Btuh
19	2, Clear, DEF, N, N	S	0	0	30.0	0.0	30.0	22	37	1110	Btuh
	Window Total				345					13340	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	2028.0	1.7	3529	Btuh
2	Frame - Adjacent	13.0	260.0	1.0	270	Btuh
	Wall Total		2288.0		3799	Btuh

Doors	Type	Area	HTM	Load	
1	Insulated - Exter	80.0	10.1	811	Btuh
2	Insulated - Adjac	20.0	10.1	203	Btuh
	Door Total	100.0		1014	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	2035.0	1.4	2890	Btuh
	Ceiling Total		2035.0		2890	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	196.0 ft(p)	0.0	0	Btuh
2	Raised Wood	19.0	550.0 sqft	0.0	0	Btuh
	Floor Total		746.0		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.70	36500	426.7	8448	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			427	8448	Btuh

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

Manual J Summer Calculations

Residential Load - Component Details (continued)

Neitzke
, FL

Project Title:
509013NeitzkeResidence

Class 3 Rating
Registration No. 0
Climate: North

12/8/2005

Totals for Cooling	Subtotal	33091	Btuh
	Duct gain(using duct multiplier of 0.10)	3309	Btuh
	Total sensible gain	36400	Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	14797	Btuh
	Latent occupant gain (8 people @ 230 Btuh per person)	1840	Btuh
	Latent other gain	0	Btuh
	TOTAL GAIN	53038	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)

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: 0601-60

Brian Neitzke Owner Brian Neitzke Lot 8 & 9 of Hunter Oak Subdivision

On the date of January 25, 2006 application 0601-60 and plans for construction of a single family dwelling 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.

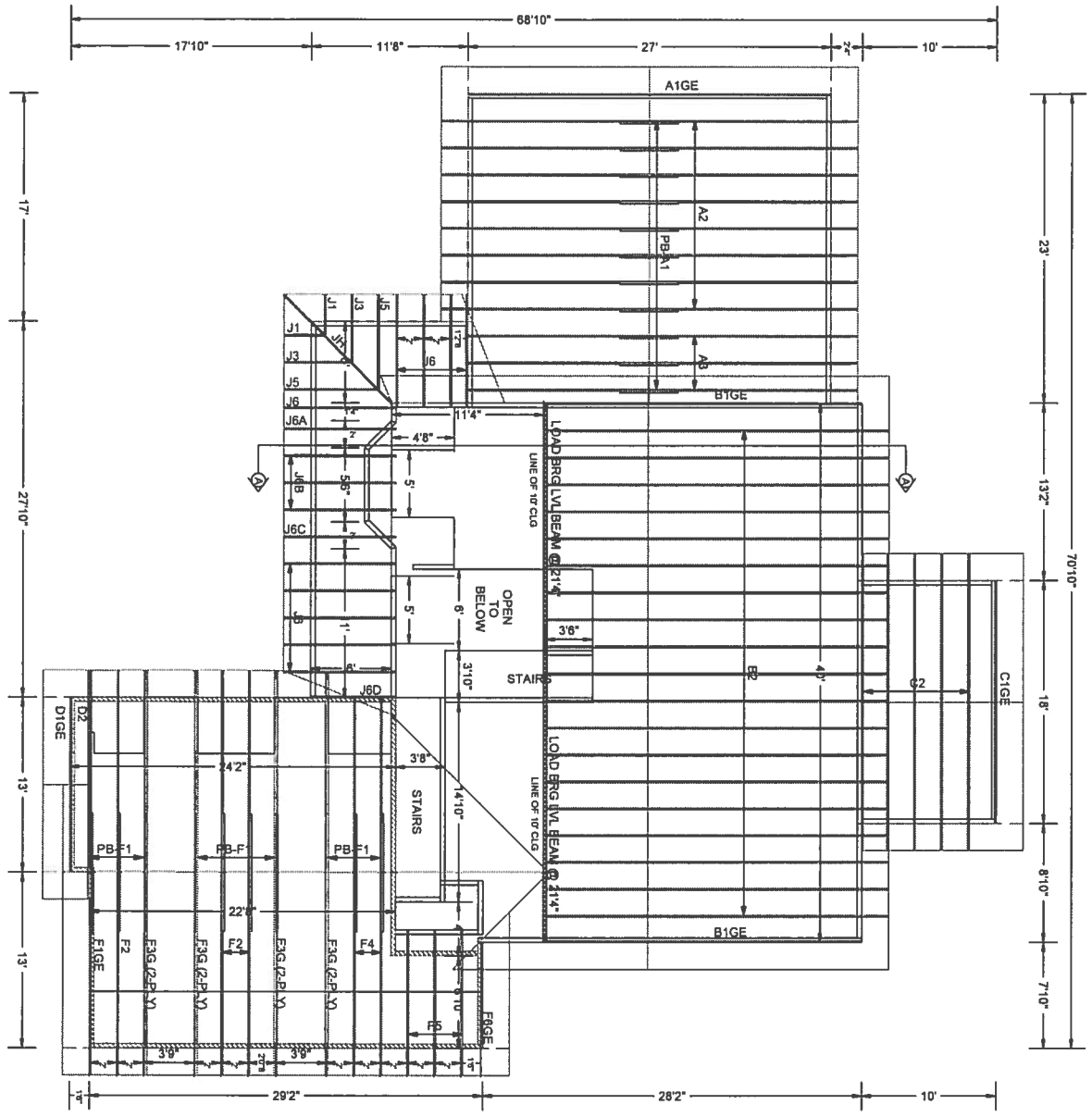
Please include application number 0601-60 when making reference to this application.

1. Please have Mr. Mark Disosway supply the following information, show all required connectors with uplift rating for the truss system and required number and size of fasteners for continuous tie from the roof to foundation. These connection points shall be designed by a Windload engineer using the engineered roof truss plans.
2. On the electrical plan show the location of the electrical panel and include the total amperage rating of the electrical service panel also show the overcurrent protection device which shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to

a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department



W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

ROOF PITCH:	4/12, 5.7/12, 6/12, & 12/12
CLG PITCH:	N/A
OVERHANG:	24" PLUMB CUT
LOADING:	40 PSF T.L./SHINGLE
WIND LOAD:	110 MPH/ENCLOSED
EXT WALLS:	2x4 FRAMING
DATE:	1-4-06

NOTES:

ALL GABLE END TRUSSES HAVE A DROPPED TOP CHORD FOR 2x4 OUTLOOKERS EXCEPT FOR TRUSS F1GE TO ALLOW CONTINUOUS BONUS ROOM HEIGHT.

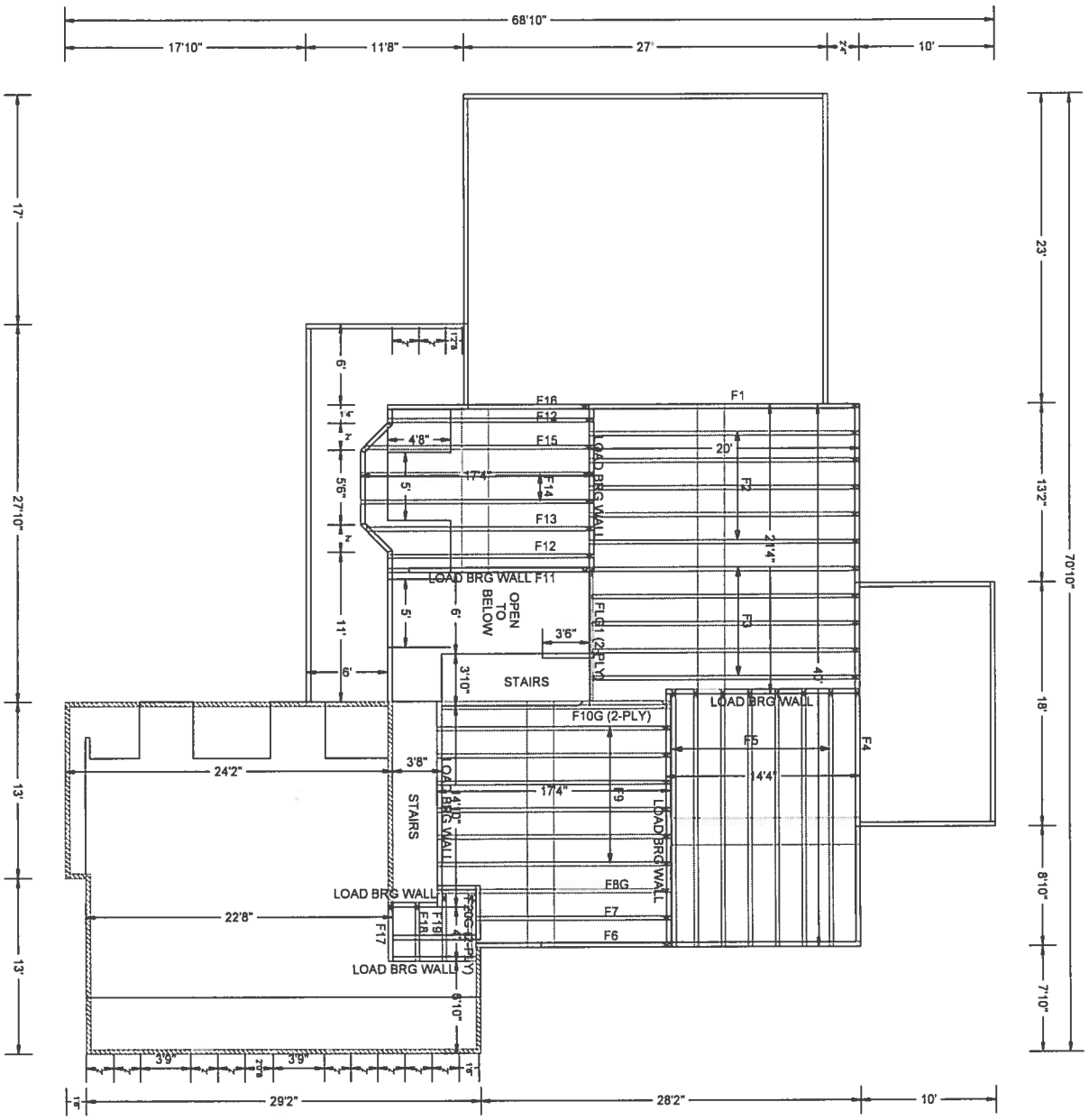
CONV FRAMING REQ'D IN AREA WHERE NO TRUSSES ARE PLACED ON LAYOUT

PLEASE REVIEW LAYOUT AND DRAWINGS CAREFULLY AS TRUSSES WILL BE BUILT IN STRICT ACCORDANCE WITH THIS LAYOUT

Job Name: Brian and Angie Neitzke R
Customer: OWNER BUILDER
Designer: Chris McCall

JOB NO: 3095

PAGE NO: 1 OF 1



W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

SY42 FLOOR SYSTEM

DEPTH:	16"
SPACING:	24" O.C.
LOADING:	55 PSF T.L/STANDARD
WIND LOAD:	N/A
EXT WALLS:	2x4 FRAMING
DATE:	1-4-06

PLEASE REVIEW LAYOUT AND DRAWINGS CAREFULLY AS TRUSSES WILL BE BUILT IN STRICT ACCORDANCE WITH THIS LAYOUT

PAGE NO: 1 OF 1	JOB NO: 3095F	Job Name: Brian and Angie Neitzke R Customer: OWNER BUILDER Designer: Chris McCall	

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

******THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.******

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number ____________ PERMIT NUMBER 24522

1. Description of property: (legal description of the property and street address or 911 address)
   Lots 8&9 Hunter's Oak Sub.
   326 SW Oakwood ct. Lake City, FL 32024
2. General description of improvement: Construction of house
3. Owner Name & Address Brian & Angela Neitzke 190 SW Oakwood Ct. Lake City, FL 32024 Interest in Property ____________
4. Name & Address of Fee Simple Owner (if other than owner): ____________
5. Contractor Name Brian & Angela Neitzke Phone Number (386) 754-0392
   Address 190 SW Oakwood Ct Lake City FL 32024
6. Surety Holders Name ____________ Phone Number ____________
   Address ____________
   Amount of Bond ____________
7. Lender Name Owner Builder Loan Services Phone Number (734) 677-0220
   Address ____________
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statu
   Name ____________
   Address ____________

Inst:2006016301 Date:07/10/2006 Time:10:07
J.T. DC,P.DeWitt Cason,Columbia County B:1088 P:[illegible]

9. In addition to himself/herself the owner designates ____________ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (a) 7. Phone Number of the designee ____________
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) ____________

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

[signature]
Signature of Owner
[signature]

Sworn to (or affirmed) and subscribed before day of 10th July, 2006

NOTARY STAMP/SEAL

ROSITA MARGA ROBINSON
MY COMMISSION # DD 396521
EXPIRES: May 19, 2009
Bonded Thru Notary Public Underwriters

[signature]
Signature of Notary

Attn: Weggie

Columbia County Building Department Culvert Waiver

Culvert Waiver No. 000001080

DATE: 05/22/2007 BUILDING PERMIT NO. 24522

APPLICANT ANGIE NEITZKE PHONE 386.752.2281

ADDRESS 190 SW OAKWOOD CT send copy LAKE CITY FL 32024

OWNER BRIAN & ANGIE NEITZKE PHONE 386.754.0392

ADDRESS 326 SW OAKWOOD COURT LAKE CITY FL 32024

CONTRACTOR BRIAN & ANGIE NEITZKE PHONE 386.754.0392

LOCATION OF PROPERTY 47-S TO BISHOP LN,TR TO WINSTON,TL TO ZIEGLER,TR TO DOCKERY,TL TO OAKLAND CT. 8TH LOT DOWN ON L. (LOTS 8/9)

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HUNTERS OAK 8/9 ___ ___ ___

PARCEL ID # 34-4S-16-03276-108

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: Angela Neitzke

A SEPARATE CHECK IS REQUIRED

MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

✓ APPROVED ______ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: ______

SIGNED: [signature] DATE: 6-8-07

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

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

RECEIVED
JUN 01 2007
By______

COLUMBIA COUNTY GATEWAY TO FLORIDA

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**509013NeitzkeResidence**	Builder:	Owner
Address:	**Lot: 8 & 9, Sub: Hunters Oak, Plat:**	Permitting Office:	Columbia County
City, State:	**, FL**	Permit Number:	2455 2
Owner:	**Neitzke**	Jurisdiction Number:	221000
Climate Zone:	**North**		

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?	Yes	
6.	Conditioned floor area (ft²)	3650 ft²	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 192.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 192.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 196.0(p) ft	
b.	Raised Wood, Adjacent	R=19.0, 550.0ft²	
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 2028.0 ft²	
b.	Frame, Wood, Adjacent	R=13.0, 260.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 2035.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 290.0 ft	
b.	N/A		
12.	Cooling systems		
a.	Central Unit	Cap: 63.0 kBtu/hr SEER: 10.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 63.0 kBtu/hr HSPF: 7.00	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 40.0 gallons EF: 0.93	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.09 Total as-built points: 41773 Total base points: 45304 **PASS**

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

PREPARED BY: _____

DATE: 12-8-05

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: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 8 & 9, Sub: Hunters Oak, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	**3650.0**	**20.04**	**13166.3**	Double, Clear	NW	0.0	0.0	4.0	25.97	1.00	103.9
				Double, Clear	NW	0.0	0.0	12.0	25.97	1.00	311.7
				Double, Clear	NW	0.0	0.0	16.0	25.97	1.00	415.6
				Double, Clear	NW	0.0	0.0	30.0	25.97	1.00	779.2
				Double, Clear	NE	0.0	0.0	16.0	29.56	1.00	472.9
				Double, Clear	E	8.0	7.0	10.0	42.06	0.48	202.8
				Double, Clear	SE	4.0	7.0	20.0	42.75	0.63	537.0
				Double, Clear	S	8.0	7.0	10.0	35.87	0.50	179.4
				Double, Clear	SE	1.5	7.0	30.0	42.75	0.92	1178.2
				Double, Clear	SW	0.0	0.0	45.0	40.16	1.00	1807.1
				Double, Clear	SE	6.0	2.0	3.0	42.75	0.38	48.7
				Double, Clear	E	8.0	2.0	2.0	42.06	0.36	30.0
				Double, Clear	SE	4.0	2.0	4.0	42.75	0.40	69.1
				Double, Clear	S	8.0	2.0	2.0	35.87	0.43	31.0
				Double, Clear	SE	1.5	2.0	6.0	42.75	0.55	141.9
				Double, Clear	NW	1.5	6.5	60.0	25.97	0.94	1460.4
				Double, Clear	NE	0.0	0.0	15.0	29.56	1.00	443.3
				Double, Clear	SW	0.0	0.0	30.0	40.16	1.00	1204.7
				Double, Clear	SE	0.0	0.0	30.0	42.75	1.00	1282.6
				As-Built Total:				**345.0**			**10699.5**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	260.0	0.70	182.0	Frame, Wood, Exterior	13.0	2028.0	1.50	3042.0
Exterior	2028.0	1.70	3447.6	Frame, Wood, Adjacent	13.0	260.0	0.60	156.0
Base Total:	**2288.0**		**3629.6**	**As-Built Total:**		**2288.0**		**3198.0**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	2.40	48.0	Exterior Insulated	80.0	4.10	328.0
Exterior	80.0	6.10	488.0	Adjacent Insulated	20.0	1.60	32.0
Base Total:	**100.0**		**536.0**	**As-Built Total:**	**100.0**		**360.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2035.0	1.73	3520.6	Under Attic	30.0	2035.0	1.73 X 1.00	3520.6
Base Total:	**2035.0**		**3520.6**	**As-Built Total:**		**2035.0**		**3520.6**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 8 & 9, Sub: Hunters Oak, Plat: , , FL,** PERMIT #:

BASE					AS-BUILT					
FLOOR TYPES	Area X	BSPM	=	Points	Type	R-Value	Area X	SPM	=	Points
Slab	196.0(p)	-37.0		-7252.0	Slab-On-Grade Edge Insulation	0.0	196.0(p	-41.20		-8075.2
Raised	550.0	-3.99		-2194.5	Raised Wood, Adjacent	19.0	550.0	0.40		220.0
Base Total:				**-9446.5**	**As-Built Total:**		**746.0**			**-7855.2**
INFILTRATION	Area X	BSPM	=	Points			Area X	SPM	=	Points
	3650.0	10.21		37266.5			3650.0	10.21		37266.5
Summer Base Points: 48672.4					**Summer As-Built Points:**					**47189.4**
Total Summer Points	X System Multiplier	= Cooling Points			Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
					(sys 1: Central Unit 63000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
					47189	1.00	(1.09 x 1.147 x 0.91)	0.341	1.000	18323.6
48672.4	**0.4266**			**20763.7**	**47189.4**	**1.00**	**1.138**	**0.341**	**1.000**	**18323.6**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 8 & 9, Sub: Hunters Oak, Plat: , , FL,** PERMIT #:

BASE

GLASS TYPES

.18 X	Conditioned Floor Area	X BWPM	= Points
.18	**3650.0**	**12.74**	**8370.2**

WALL TYPES

	Area	X BWPM	= Points
Adjacent	260.0	3.60	936.0
Exterior	2028.0	3.70	7503.6
Base Total:	**2288.0**		**8439.6**

DOOR TYPES

	Area	X BWPM	= Points
Adjacent	20.0	11.50	230.0
Exterior	80.0	12.30	984.0
Base Total:	**100.0**		**1214.0**

CEILING TYPES

	Area	X BWPM	= Points
Under Attic	2035.0	2.05	4171.8
Base Total:	**2035.0**		**4171.8**

AS-BUILT

GLASS TYPES

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF =	Points
Double, Clear	NW	0.0	0.0	4.0	24.30	1.00	97.2
Double, Clear	NW	0.0	0.0	12.0	24.30	1.00	291.6
Double, Clear	NW	0.0	0.0	16.0	24.30	1.00	388.7
Double, Clear	NW	0.0	0.0	30.0	24.30	1.00	728.9
Double, Clear	NE	0.0	0.0	16.0	23.57	1.00	377.1
Double, Clear	E	8.0	7.0	10.0	18.79	1.32	249.0
Double, Clear	SE	4.0	7.0	20.0	14.71	1.46	429.6
Double, Clear	S	8.0	7.0	10.0	13.30	2.96	394.2
Double, Clear	SE	1.5	7.0	30.0	14.71	1.07	471.7
Double, Clear	SW	0.0	0.0	45.0	16.74	1.00	753.1
Double, Clear	SE	6.0	2.0	3.0	14.71	2.65	116.9
Double, Clear	E	8.0	2.0	2.0	18.79	1.51	56.6
Double, Clear	SE	4.0	2.0	4.0	14.71	2.48	145.6
Double, Clear	S	8.0	2.0	2.0	13.30	3.66	97.3
Double, Clear	SE	1.5	2.0	6.0	14.71	1.68	148.4
Double, Clear	NW	1.5	6.5	60.0	24.30	1.00	1461.3
Double, Clear	NE	0.0	0.0	15.0	23.57	1.00	353.5
Double, Clear	SW	0.0	0.0	30.0	16.74	1.00	502.1
Double, Clear	SE	0.0	0.0	30.0	14.71	1.00	441.2
As-Built Total:				**345.0**			**7504.0**

WALL TYPES

Type	R-Value	Area X	WPM =	Points
Frame, Wood, Exterior	13.0	2028.0	3.40	6895.2
Frame, Wood, Adjacent	13.0	260.0	3.30	858.0
As-Built Total:		**2288.0**		**7753.2**

DOOR TYPES

Type	Area X	WPM =	Points
Exterior Insulated	80.0	8.40	672.0
Adjacent Insulated	20.0	8.00	160.0
As-Built Total:	**100.0**		**832.0**

CEILING TYPES

Type	R-Value	Area X	WPM X WCM =	Points
Under Attic	30.0	2035.0	2.05 X 1.00	4171.8
As-Built Total:		**2035.0**		**4171.8**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 8 & 9, Sub: Hunters Oak, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT					
FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	=	Points
Slab	196.0(p)	8.9	1744.4	Slab-On-Grade Edge Insulation	0.0	196.0(p	18.80		3684.8
Raised	550.0	0.96	528.0	Raised Wood, Adjacent	19.0	550.0	2.20		1210.0
Base Total:			**2272.4**	**As-Built Total:**		**746.0**			**4894.8**
INFILTRATION	Area X	BWPM	= Points			Area X	WPM	=	Points
	3650.0	-0.59	-2153.5			3650.0	-0.59		-2153.5
Winter Base Points:			**22314.4**	**Winter As-Built Points:**					**23002.2**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
				(sys 1: Electric Heat Pump 63000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
				23002.2	1.000	(1.069 x 1.169 x 0.93)	0.487	1.000	13022.7
22314.4	**0.6274**	**14000.1**		**23002.2**	**1.00**	**1.162**	**0.487**	**1.000**	**13022.7**

FORM 600A-2004 EnergyGauge® 4.0

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 8 & 9, Sub: Hunters Oak, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
4	2635.00	10540.0		40.0	0.93	4	1.00	2606.67	1.00	10426.7	
				As-Built Total:						**10426.7**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
20764	**14000**	**10540**	**45304**	**18324**	**13023**	**10427**	**41773**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 8 & 9, Sub: Hunters Oak, Plat: , , FL,** 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 612.1.ABC.3.2. 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* = 84.0

The higher the score, the more efficient the home.

Neitzke, Lot: 8 & 9, Sub: Hunters Oak, Plat: , , FL,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family	a.	Central Unit	Cap: 63.0 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?	Yes			
6.	Conditioned floor area (ft²)	3650 ft²	c.	N/A	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)				
a.	U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 192.0 ft²	a.	Electric Heat Pump	Cap: 63.0 kBtu/hr
b.	SHGC:				HSPF: 7.00
	(or Clear or Tint DEFAULT) 7b.	(Clear) 192.0 ft²	b.	N/A	
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 196.0(p) ft	c.	N/A	
b.	Raised Wood, Adjacent	R=19.0, 550.0ft²			
c.	N/A		14.	Hot water systems	
9.	Wall types		a.	Electric Resistance	Cap: 40.0 gallons
a.	Frame, Wood, Exterior	R=13.0, 2028.0 ft²			EF: 0.93
b.	Frame, Wood, Adjacent	R=13.0, 260.0 ft²	b.	N/A	
c.	N/A				
d.	N/A		c.	Conservation credits	
e.	N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 2035.0 ft²	15.	HVAC credits	
b.	N/A			(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 290.0 ft		MZ-C-Multizone cooling,	
b.	N/A			MZ-H-Multizone heating)	

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 EnergyStar™ 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 at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

BUILDING INPUT SUMMARY REPORT

PROJECT

Title:	509013NeitzkeResidence	**Family Type:**	Single	**Address Type:**	Lot Information
Owner:	Neitzke	**New/Existing:**	New	**Lot #:**	8 & 9
# of Units:	1	**Bedrooms:**	4	**Subdivision:**	Hunters Oak
Builder Name:	(blank)	**Conditioned Area:**	3650	**Platbook:**	(blank)
Climate:	North	**Total Stories:**	2	**Street:**	N/A
Permit Office:	(blank)	**Worst Case:**	Yes	**County:**	Columbia
Jurisdiction #:	(blank)	**Rotate Angle:**	0	**City, St, Zip:**	, FL,

FLOORS

#	Floor Type	R-Val	Area/Perimeter	Units
1	Slab-On-Grade Edge Insulation	0.0	196.0(p) ft	1
2	Raised Wood - Adjacent	19.0	550.0ft²	1

DOORS

#	Door Type	Orientation	Area	Units
1	Insulated	Exterior	20.0 ft²	4
2	Insulated	Adjacent	20.0 ft²	1

CEILINGS

#	Ceiling Type	R-Val	Area	Base Area	Units
1	Under Attic	30.0	2035.0 ft²	2035.0 ft²	1

Credit Multipliers: None

COOLING

#	System Type	Efficiency	Capacity
1	Central Unit	SEER: 10.00	63.0 kBtu/hr

Credit Multipliers: None

WALLS

#	Wall Type	Location	R-Val	Area	Units
1	Frame - Wood	Exterior	13.0	2028.0 ft²	1
2	Frame - Wood	Adjacent	13.0	260.0 ft²	1

HEATING

#	System Type	Efficiency	Capacity
1	Electric Heat Pump	COP: 7.00	63.0 kBtu/hr

Credit Multipliers: None

WINDOWS

#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
1	Double	Clear	N	4.0 ft²	0.0 ft	0.0 ft	1
2	Double	Clear	N	12.0 ft²	0.0 ft	0.0 ft	1
3	Double	Clear	N	8.0 ft²	0.0 ft	0.0 ft	2
4	Double	Clear	N	15.0 ft²	0.0 ft	0.0 ft	2
5	Double	Clear	E	16.0 ft²	0.0 ft	0.0 ft	1
6	Double	Clear	SE	10.0 ft²	8.0 ft	7.0 ft	1
7	Double	Clear	S	10.0 ft²	4.0 ft	7.0 ft	2
8	Double	Clear	SW	10.0 ft²	8.0 ft	7.0 ft	1
9	Double	Clear	S	15.0 ft²	1.5 ft	7.0 ft	2
10	Double	Clear	W	15.0 ft²	0.0 ft	0.0 ft	3
11	Double	Clear	S	3.0 ft²	6.0 ft	2.0 ft	1
12	Double	Clear	SE	2.0 ft²	8.0 ft	2.0 ft	1
13	Double	Clear	S	4.0 ft²	4.0 ft	2.0 ft	1
14	Double	Clear	SW	2.0 ft²	8.0 ft	2.0 ft	1
15	Double	Clear	S	6.0 ft²	1.5 ft	2.0 ft	1
16	Double	Clear	N	15.0 ft²	1.5 ft	6.5 ft	4
17	Double	Clear	E	15.0 ft²	0.0 ft	0.0 ft	1
18	Double	Clear	W	15.0 ft²	0.0 ft	0.0 ft	2
19	Double	Clear	S	15.0 ft²	0.0 ft	0.0 ft	2

DUCTS

#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length
1	Uncond.	Uncond.	Interior	6.0	290.0 ft

Credit Multipliers: None

WATER

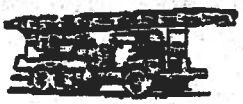
#	System Type	EF	Cap.	Conservation Type	Con. EF
1	Electric Resistance	0.93	40.0	None	0.00

REFR.

#	Use Default?	Annual Operating Cost	Electric Rate
1	Yes	N/A	N/A

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,

Donald D. Hall
DDH/jk

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001080

DATE 05/17/2006 PARCEL ID # 34-4S-16-03276-108

APPLICANT ANGIE NEITZKE PHONE 386.752.2281

ADDRESS 190 SW OAKWOOD CT LAKE CITY FL 32024

OWNER BRIAN & ANGIE NEITZKE PHONE 386.754.0392

ADDRESS 326 SW OAKWOOD COURT LAKE CITY FL 32024

CONTRACTOR BRIAN & ANGIE NEITZKE PHONE 386.754.0392

LOCATION OF PROPERTY 47-S TO BISHOP LN,TR TO WINSTON,TL TO ZIEGLER,TR TO DOCKERY,TL TO OAKLAND CT. 8TH LOT DOWN ON L. (LOTS 8/9)

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HUNTERS OAK 8/9

SIGNATURE Angela Neitzke

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght 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 _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION 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

COLUMBIA COUNTY GATEWAY TO FLORIDA

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

#24522

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB109478 Company Phone No. 386-755-3611
FHA/VA Case No. (if any) ______

Section 2: Builder Information

Company Name: Angie Mitchell Company Phone No. ______

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 326 S.W. Oakwood Ct. Lake City, Fl

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other ______
Approximate Depth of Footing: Outside 12 Inside 24 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 7-14-06
Brand Name of Product(s) Used A-Pro
EPA Registration No. 79676-1
Approximate Final Mix Solution % 0.25%
Approximate Size of Treatment Area: Sq. ft. 3534 Linear ft. 240 Linear ft. of Masonry Voids 240
Approximate Total Gallons of Solution Applied 744
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) ______

Comments ______

Name of Applicator(s) Steve Brennan Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature [signature] Date 7-16-06

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

CERTIFICATE OF 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 34-4S-16-03276-108 **Building permit No.** 000024522

Use Classification SFD,UTILITY **Fire:** 11.16

Permit Holder BRIAN & ANGIE NEITZKE **Waste:** 33.50

Owner of Building BRIAN & ANGIE NEITZKE **Total:** 44.66

Location: 326 SW OAKWOOD COURT, LAKE CITY, FL

Date: 08/24/2007

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)