DATE 10/24/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027445

APPLICANT MIKE TODD PHONE 755-4387

ADDRESS 129 NE COLBURN AVE LAKE CITY FL 32055

OWNER BOB KIRCHENSTINER PHONE 561 964-0920

ADDRESS 511 SW ROLLING MEADOWS GLEN FT. WHITE FL 32038

CONTRACTOR MIKE TODD PHONE 755-4387

LOCATION OF PROPERTY 47S, TL ON ROLLING MEADOWS GLEN,LAST LOT ON LEFT

TYPE DEVELOPMENT METAL BUILDING ESTIMATED COST OF CONSTRUCTION 40000.00

HEATED FLOOR AREA _____ TOTAL AREA 1200.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS METAL ROOF PITCH 2/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT _____

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO. _____

PARCEL ID 03-6S-16-03767-402 SUBDIVISION SEDGEFIELD

LOT 2 BLOCK ____ PHASE ____ UNIT ____ TOTAL ACRES 5.00

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
		CGC006209	X

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
EXISTING	08-675	BK	WR	N

COMMENTS: NOC ON FILE, IMPACT FEE EXEMPT

Check # or Cash 13214

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

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

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

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

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

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

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

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

BUILDING PERMIT FEE $ 200.00 CERTIFICATION FEE $ 6.00 SURCHARGE FEE $ 6.00

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $ _____

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ ____ **TOTAL FEE** 287.00

INSPECTORS OFFICE _____ CLERKS OFFICE CH

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

Columbia County Building Permit Application

For Office Use Only Application # 0810-17 Date Received 10/8/08 By LT Permit # 27445

Zoning Official BLK Date 10/10.08 Flood Zone X per plat FEMA Map # N/A Zoning A-3

Land Use A-3 Elevation N/A MFE N/A River N/A Plans Examiner (LWR) Date 10/10/08

Comments Impact Fee Exempt

NOC EH Deed or PA Site Plan State Road Info Parent Parcel #

Dev Permit # In Floodway Letter of Authorization from Contractor

Unincorporated area Incorporated area Town of Fort White Town of Fort White Compliance letter

Septic Permit No. Fax

Name Authorized Person Signing Permit Mike Todd Phone 386-755-4387

Address 129 NE Colburn Ave Lake City, FL 32055

Owners Name Bob Kirchensteiner Phone 561-964-0920

911 Address 511 SW Rolling Meadows Gln. Ft White FL 32038

Contractors Name ~~511 SW Rolling Meadows Gln~~ Mike Todd Phone 386-755-4387

Address 129 NE Colburn Ave Lake City FL 32055

Fee Simple Owner Name & Address Bob Kirchensteiner 3267 Vagabond Rd Lantana FL 33462

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Plans

Mortgage Lenders Name & Address NA

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

Property ID Number 03651603767-402 Estimated Cost of Construction 49,000.

Subdivision Name Sedgefield Ph. 4 Lot 2 Block Unit Phase 4

Driving Directions Hwy 47 South - Left on Rolling Meadows Gln - Last Lot on left

Number of Existing Dwellings on Property 0

Construction of Metal Building Total Acreage 5 Lot Size

Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive) Total Building Height

Actual Distance of Structure from Property Lines - Front 300 Side 50 Side 260 Rear 332

Number of Stories 1 Heated Floor Area N/A Total Floor Area 1200 Roof Pitch 2

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.

Spoke to Mike 10/13/08.

Columbia County Building Permit Application

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment
According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:
YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

OWNERS CERTIFICATION: 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. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

_____
Owners Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.

_____
Contractor's Signature (Permitee)

Contractor's License Number CGC036209
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 1 **day of** Oct **20** 08

Personally known ✓ **or Produced Identification** _____

Teresa N Pierce
_____ **SEAL:**
State of Florida Notary Signature (For the Contractor)

TERESA N. PIERCE
MY COMMISSION # DD474390
EXPIRES: Sept. 21, 2009
(407) 398-0153 Florida Notary Service.com

Rec #10
Return to:
U. S. Title
642 N.E. Santa Fe Blvd.
High Springs, FL 32643
Doc Stamps #490

Inst:2006024648 Date:10/17/2006 Time:11:53
Doc Stamp-Deed : 490.00
DC,P.DeWitt Cason,Columbia County B:1099 P:446

PARCEL ID# Part of R03767-000
BUYER'S TIN#
USH-3685

WARRANTY DEED

THIS INDENTURE, Made this 29th day of September, 2006, BETWEEN SEDGEFIELD LAND COMPANY, a Florida Corporation, grantor whose address is 5345 ORTEGA BLVD., SUITE #7, JACKSONVILLE, FL 32210, and ROBERT KIRCHENSTINER and KAREN M. KIRCHENSTINER, HUSBAND AND WIFE grantee, whose post-office address is: 3267 VAGABOND ROAD, LAKE WORTH, FL 33462.

[The terms 'grantor' and 'grantee' herein shall be construed to include all genders and singular or plural as the context indicates.]

WITNESSETH: That said grantor, for and in consideration of the sum of Ten ($10.00) Dollars, and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs, successors and assigns forever, the following described land, situate, lying and being in COLUMBIA County, ~~Florida~~, to wit:

Lot 2, of SEDGEFIELD PHASE FOUR, as per plat thereof recorded in Plat Book 8, Pages 65-66, of the Public Records of Columbia County, Florida.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, Grantor has hereunto set grantor's hand and seal the day and year first above written.

SEDGEFIELD LAND COMPANY

Signed, sealed and delivered in the presence of:

WITNESS Heather S. Loveland

WITNESS Bethany A. Keller

BY Lee D. Wedekind, Jr.
President

[CORPORATE SEAL]

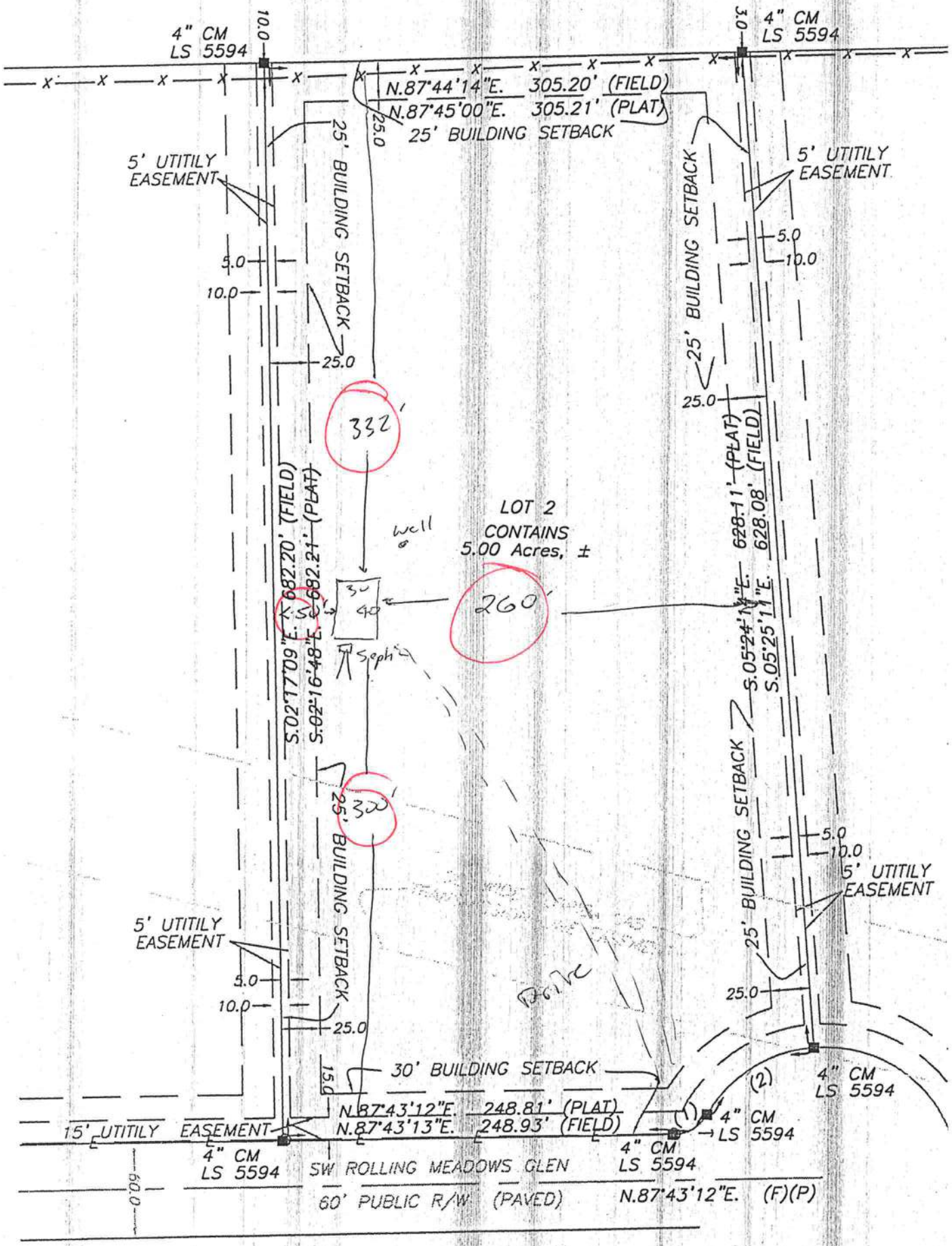
STATE OF FLORIDA
COUNTY OF

The foregoing instrument was acknowledged before me this 29th day of September, 2006, by Lee D. Wedekind, Jr., President of SEDGEFIELD LAND COMPANY on behalf of the corporation. She/He is personally known to me or who has produced a driver's license as identification and who ~~did take an oath~~.

Notary Public, State of Florida
My Commission Expires:
My Commission Number:

Notary Public State of Florida
Heather S Loveland
My Commission DD388572
Expires 03/11/2009

RECORD & RETURN TO:
THIS INSTRUMENT WAS PREPARED BY: JANNETTE S. BOYD, an employee of U.S. TITLE, 642 N.E. SANTA FE BLVD., ~~HIGH SPRINGS, FLORIDA 32643, as a necessary incident to fulfill~~ the requirements of a Title Insurance Binder issued by it. USH-3685.


4" CM
LS 5594
10.0
4" CM
LS 5594
10.0
N.87°44'14"E. 305.20' (FIELD)
N.87°45'00"E. 305.21' (PLAT)
25' BUILDING SETBACK
25.0
5' UTITILY EASEMENT
5.0
10.0
25' BUILDING SETBACK
25.0
5' UTITILY EASEMENT
5.0
10.0
25' BUILDING SETBACK
25.0
628.11' (PLAT)
628.08' (FIELD)
S.05°24'11"E.
S.05°25'11"E.
332'
LOT 2
CONTAINS
5.00 Acres, ±
well
260'
S.02°17'09"E. 682.20' (FIELD)
S.02°16'48"E. 682.21' (PLAT)
Septic
332'
25' BUILDING SETBACK
25.0
5' UTITILY EASEMENT
5.0
10.0
5' UTITILY EASEMENT
5.0
10.0
25' BUILDING SETBACK
25.0
15.0
30' BUILDING SETBACK
N.87°43'12"E. 248.81' (PLAT)
N.87°43'13"E. 248.93' (FIELD)
15' UTITILY EASEMENT
4" CM
LS 5594
4" CM
LS 5594
4" CM
LS 5594
4" CM
LS 5594
SW ROLLING MEADOWS GLEN
60' PUBLIC R/W (PAVED)
N.87°43'12"E. (F)(P)
60.0

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST
FOR THE FLORIDA RESIDENTIAL BUILDING CODE 2004 with 2005 & 2006
Supplements and One (1) and Two (2) Family Dwellings

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current FLORIDA BUILDING CODES and the Current FLORIDA RESIDENTIAL CODE. ALL PLANS OR DRAWING SHALL PROVIDED 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 SPEEDS ARE PER FIGURE R301.2(4) of the Residential Code (Florida Wind speed map) **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

GENERAL REQUIREMENTS;

- ✓ Two (2) complete sets of plans containing the following:
- ✓ All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void
- ✓ Condition space (Sq. Ft.) and total (Sq. Ft.) under roof shall be shown on the plans.
- ✓ Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents per FBC 106.1.

Site Plan information including:

- ○ Dimensions of lot or parcel of land
- ○ Dimensions of all building set backs
- ○ Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.
- ○ Provide a full legal description of property.

✓ Wind-load Engineering Summary, calculations and any details required:

- ○ Plans or specifications must meet state compliance with FRC Chapter 3
- ○ The following information must be shown as per section FRC
- ○ Basic wind speed (3-second gust), miles per hour
- ○ Wind importance factor and nature of occupancy
- ○ Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- ○ The applicable internal pressure coefficient, 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 Drawing including:

- ○ All side views of the structure
- ○ Roof pitch
- ○ Overhang dimensions and detail with attic ventilation
- ○ Location, size and height above roof of chimneys
- ○ Location and size of skylights with Florida Product Approval
- ○ Number of stories
- ○ e) Building height from the established grade to the roofs highest peak

Floor Plan including:

- Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies and raised floor surfaces located more than 30 inches above the floor or grade
- All exterior and interior shear walls indicated
- Shear wall opening shown (Windows, Doors and Garage doors
- Emergency escape and rescue opening in each bedroom (net clear opening shown)
- Safety glazing of glass where needed
- Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FRC)
- Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FRC 311)
- Plans must show and identify accessibility of bathroom (see FRC 322)

All materials placed within opening or onto/into exterior shear walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

Foundation Plans Per FRC 403:

- a) Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling.
- d) Assumed load-bearing valve of soil_____ (psf)
- e) Location of horizontal and vertical steel, for foundation or walls (include # size and type)

CONCRETE SLAB ON GRADE Per FRC R506

- Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
- Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports

PROTECTION AGAINST TERMITES Per FRC 320:

- Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. Protection shall be provided by registered termiticides

Masonry Walls and Stem walls (load bearing & shear Walls) FRC Section R606

- Show all materials making up walls, wall height, and Block size, mortar type
- Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement

NA

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

NA

- Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer
- Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers
- Girder type, size and spacing to load bearing walls, stem wall and/or priers
- Attachment of joist to girder
- Wind load requirements where applicable
- Show required under-floor crawl space
- Show required amount of ventilation opening for under-floor spaces
- Show required covering of ventilation opening.
- Show the required access opening to access to under-floor spaces
- Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing
- Show Draft stopping, Fire caulking and Fire blocking
- Show fireproofing requirements for garages attached to living spaces, per FRC section R309
- Provide live and dead load rating of floor framing systems (psf).

NA **WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6**

- Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls.
- Fastener schedule for structural members per table R602.3 (1) are to be shown.
- Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing
- Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems.
- Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FRC Table R502.5 (1)
- Indicate where pressure treated wood will be placed.
- Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas
- A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail

NA **ROOF SYSTEMS:**

- Truss design drawing shall meet section FRC R802.10 Wood trusses. Include a layout and truss details and be signed and sealed by Fl. Pro. Eng.
- Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters
- Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details
- Provide dead load rating of trusses

NA **Conventional Roof Framing Layout Per FRC 802:**

- Rafter and ridge beams sizes, span, species and spacing
- Connectors to wall assemblies' include assemblies' resistance to uplift rating.
- Valley framing and support details
- Provide dead load rating of rafter system.

NA **ROOF SHEATHING FRC Table R602,3(2) FRC 803**

- Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing on the edges & intermediate areas

NA **ROOF ASSEMBLIES FRC Chapter 9**

- Include all materials which will make up the roof assembles covering; with Florida Product Approval numbers for each component of the roof assembles covering.

✓ **FCB Chapter 13 Florida Energy Efficiency Code for Building Construction**

- Residential construction shall comply with this code by using the following compliance methods in the FBC Subchapter 13-6, Residential buildings compliance methods. Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area
- Show the insulation R value for the following areas of the structure: Attic space, Exterior wall cavity and Crawl space (if applicable)

NA **HVAC information shown**

- Manual J sizing equipment or equivalent computation
- Exhaust fans locations in bathrooms

✓ **Plumbing Fixture layout shown**

- All fixtures waste water lines shall be shown on the foundation plan

✓ **Electrical layout shown including:**

- Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- Ceiling fans
- Smoke detectors
- Service panel, sub-panel, location(s) and total ampere ratings

- On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. 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. Indicate if the utility company service entrance cable will be of the overhead or underground type.
- Appliances and HVAC equipment and disconnects
- Arc Fault Circuits (AFCI) in bedrooms

- Notarized Disclosure Statement for Owner Builders

- Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

- Size of pump motor
- Size of pressure tank
- Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- Building Permit Application: A current Building Permit Application form is to be completed and submitted for all residential projects.

- Parcel Number: The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

- Environmental Health Permit or Sewer Tap Approval: A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)

- City Approval: If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

- Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED. A development permit will also be required. The permit cost is $50.00.

- Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit ($25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ($50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.

- 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. NOTIFICATION WILL BE GIVEN WHEN THE APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT.

PRODUCT APPROVAL SPECIFICATION SHEET

Location: Columbia Co. **Project Name:** Kirch

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS		3° Ext. door	FL 2502.1
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up	DBC1	10X8 Roll-up	
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Mike Todd

Contractor or Contractor's Authorized Agent Signature

Mike Todd 10/2/04

Print Name Date

Columbia County

Location

Permit # **(FOR STAFF USE ONLY)**

VULCAN STEEL STRUCT.
500 VULCAN PARKWAY
ADEL, GA 31620

DATE: 9/23/08

MIKE TODD CONSTRUCTION
Re: JOB NO. 19076
BUILDING SIZE:
WIDTH : 30 ft.
LENGTH : 40 ft.
EAVE HT : 10 ft.

JOBSITE : FORT WHITE, FL 32038

To Whom It May Concern:

This is to certify that the above referenced building is designed in accordance with the order documentation, the Thirteenth Edition of the American Institute of Steel Construction (AISC) "Manual of Steel Construction" and the 2001 Edition of American Iron and Steel Institute (AISI) " Cold Formed Steel Design Manual. "The basic loads of the subject building meet or exceed the minimum county climatic data as published in the 2002 edition of the MBMA " Low Rise Building Systems Manual ".

The criteria for application of design loads are follows
Governing Code : FBC 04 (with 06 Amendments)
Occupancy Category : II - Normal
Roof Dead Load : 2.000 psf plus wt. of metal bldg structure

Live Load based on the tributary area :

0 - 200 sq. ft.....20 psf
201 - 600 sq. ft.....See Sec 4.9.1 of ASCE 7-02
over 600 sq. ft.....12 psf

Collateral Load	: 0 psf	Roof Snow Load	: NR
Wind Load (3 sec gust)	: 110 mph	Snow Exp. Fac	: NR
Enclosure Type	: Closed	Snow Imp. Fac.	: NR
Wind Exp. Cat	: B	Seismic Coef SDS	: 0.13
Wind Imp. Factor	: 1.00	Seismic Coef SDI	: 0.09
Ground Snow Load	: 0 psf	Seismic Imp. Fact.	: 1.00
Mapped Spectral Response Acceleration, Ss:		0.12	
Mapped Spectral Response Acceleration, S1:		0.06	
Response Modification Factor:		3.50	
Seismic Response Coefficient, Cs:		0.03	

This Letter of Certification applies solely to the building and its component parts as furnished by the Metal Building Manufacturer. Doors, windows and louvers are not structural components of the building. It is the responsibility of the owner to determine if wind lock accessories are supplied if required. Certification specifically excludes any foundation, masonry, or general contract work.

Sincerely,

MIKE MURPHY, P.E.

CONSTRUCTION TESTING CORPORATION
13873 N.W. 19th Ave. Miami, Florida 33054
Phone: (305) 685-6657 Fax: (305) 685-6659

Report No: 95-029

23 August 1995

Test Date: 17 August 1995

TESTS ON ROLL DOWN DOORS

Client:

Door & Building Components, Inc.

4310 Industrial Access Road
Douglasville, Georgia 30134

General : Uniform Static Air Pressure Loading, per ASTM E-330

Testing witnessed by:

John W. Knezevich, P.E. Knezevich & Ass.
Don Mills, Product Engineer for D.B.C.I.
Bill Mathews, President J. B. Mathews
George Dotzler, CTC Test Engineer

Statement of Conformance : This is a general statement and does not supersede the specific product descriptions in this report. The specimens are in conformance with drawings provided by the manufacturer, labeled:

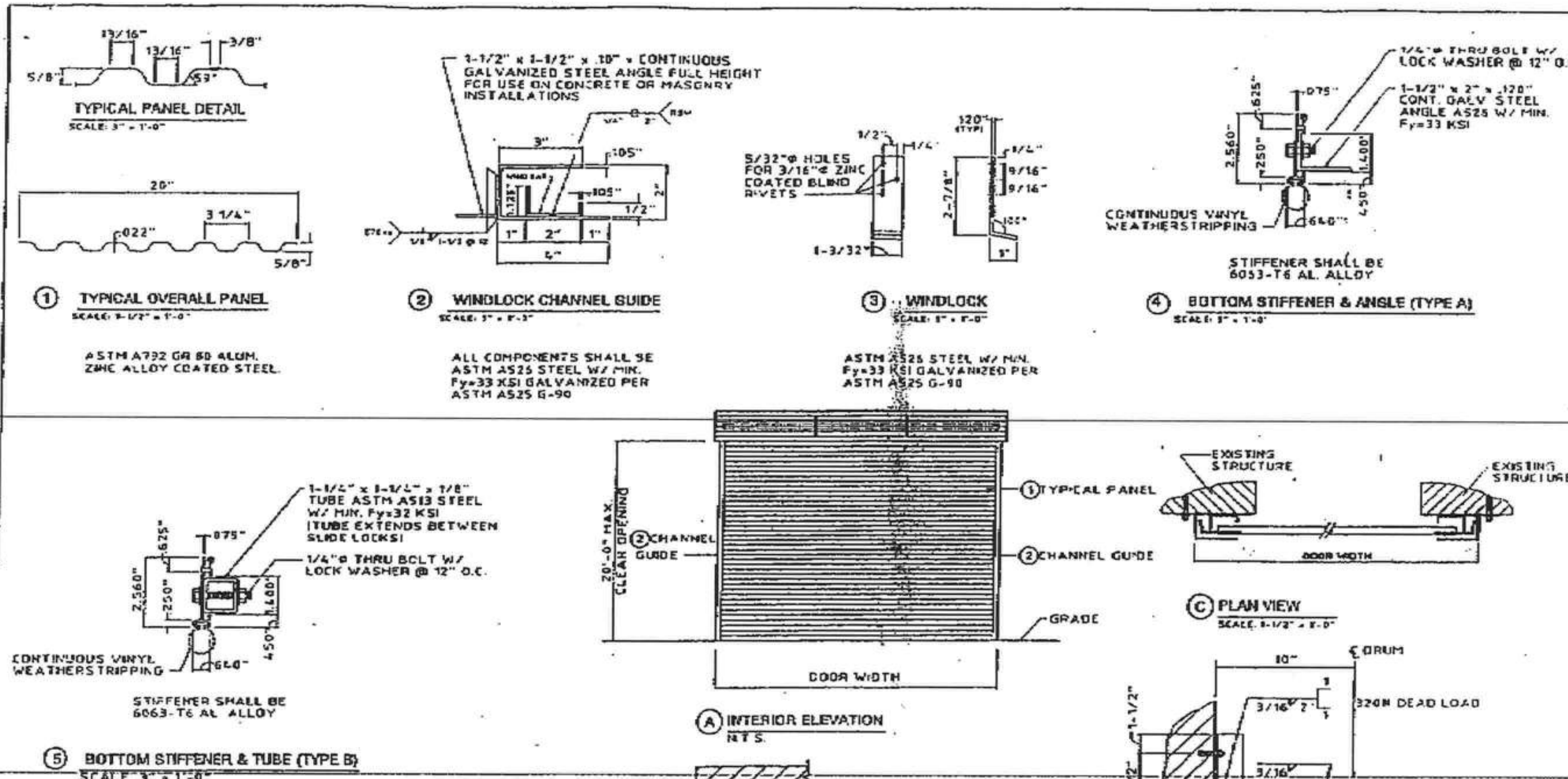
ROLL - UP DOOR

D.B.C.I.

Door & Building Components, Inc.
4310 Industrial Access Road
Douglasville, Georgia 30134

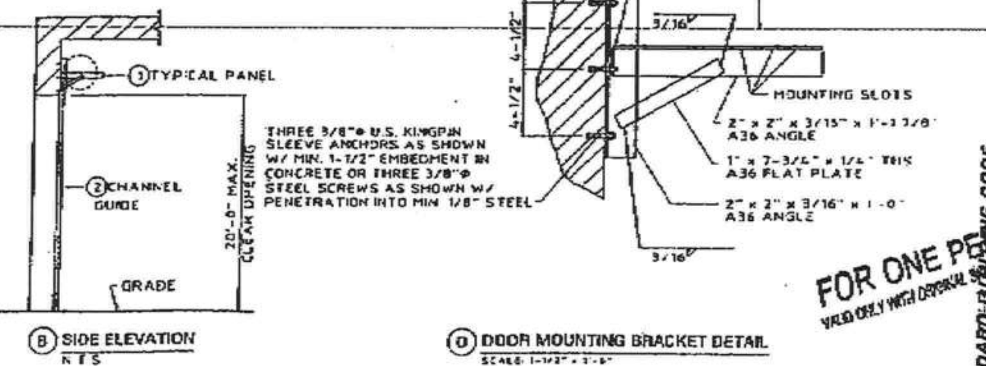
Date : 8 - 23 - 95 Drawing # 95 - 430

Description of Test Specimen: The specimen was a roll down door manufactured by Door & Building Components, Inc. . This door was installed covering a nominal opening 16'-0" wide by 16'-0" high. The door was constructed of painted galvanized steel sheet (mic'd @ 0.0240" w/ galvanized, w/o paint). The specimens channel guides were secured to the steel jamb (1/4" steel plate) of the test chamber with 9/16" hex head self threading 3/8" x 1" screws at 4" on center. These channel guides were as shown in detail 2 "Windlock Channel Guide" of the manufacturers supplied drawings. The left guide fastenings were secured through the 1-1/2" x 1-1/2" angle typically used for concrete installations. The right channel guide did not include this feature (the 1-1/2" x 1-1/2" angle) and the fastenings were secured through the center of the 1" protruding flange as shown detail 2. The door's bottom bar was as shown in detail 5 "Bottom Stiffener & Angle (Type B)" in the manufacturers drawings. Before testing this door was fully functional.



GENERAL NOTES:

1. THIS ROLL-UP DOOR IS DESIGNED IN ACCORDANCE WITH THE STANDARD BUILDING CODE, 1991, 1994 & 1997 EDITION, INCLUDING THE 1995 PALM BEACH COUNTY AMENDMENTS.
2. THIS ROLL-UP DOOR HAS BEEN TESTED IN ACCORDANCE WITH THE STANDARD BUILDING CODE AND ASTM E-330 TO SAFELY RESIST A POSITIVE OR NEGATIVE WIND LOAD AS NOTED IN THE DOOR SCHEDULE. A TEST LOAD OF 1.5 x DESIGN LOAD HAS BEEN USED.
3. WIND LOADS FOR BUILDING OPENINGS SHALL BE DETERMINED BY A PROFESSIONAL ENGINEER USING APPROPRIATE WIND SPEED AND DESIGN CRITERIA. THIS DOOR MAY BE USED WHERE THE DESIGN LOAD MEETS OR EXCEEDS THE DESIGN LOAD FOR THE BUILDING OPENING.
4. SUPERIMPOSED LOADS ON THE JAMBS FROM THIS DOOR ARE DESIGNATED AS Vx AND Vy HEREIN. CONTRACTORS SHALL HAVE BUILDING ENGINEER VERIFY ADEQUACY OF BUILDING STRUCTURE TO RESIST SUPERIMPOSED LOADS Vx, Vy AND BRACKET LOADS SHOWN.
5. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH A.W.S. SPECIFICATIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO A.W.S. A5.1 GRADE E-70.
6. DOORS SHALL BE PROVIDED WITH SLIDE LOCK MECHANISMS AT EACH SIDE OF BOTTOM OF DOOR ENGAGING CHANNEL GUIDES IN THE LOCKED POSITION.



KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
COPYRIGHT © 2000 KNEZEVICH & ASSOCIATES INC.

ROLL - UP DOOR

DBCI

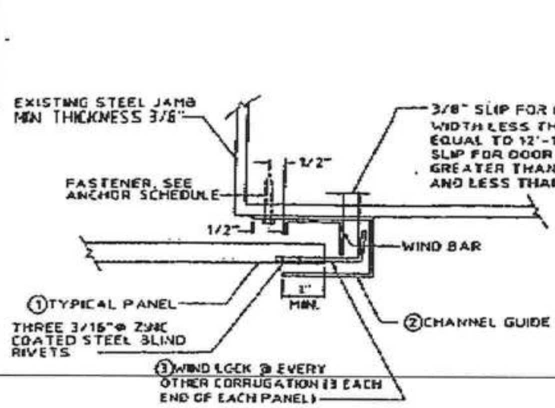
STANDARD BUILDING CODE

FOR ONE PERMIT ONLY
VALID ONLY WITH ORIGINAL SEAL

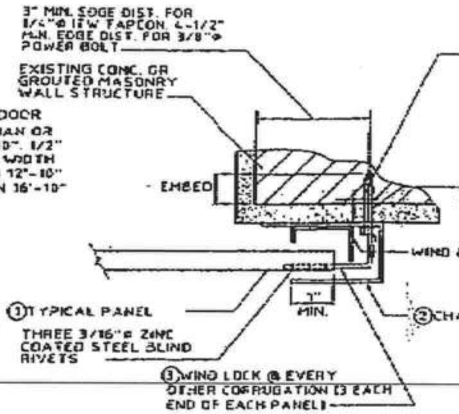
V.J. KNEZEVICH
JAN 10 2001
07/27/98
98-176S
sheet 1 of 2

08/31/99 09:35

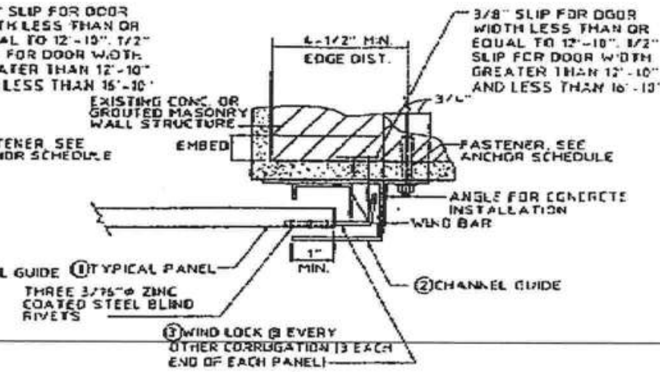
5000 Series Rollup Door
26ga.



(E1) WINDLOCK GUIDE CONNECTION TO STEEL JAMB DETAIL
SCALE: 3" = 1'-0"

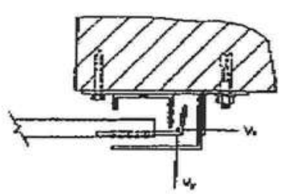


(E2) WINDLOCK GUIDE CONNECTION TO CONCRETE OR GROUTED MASONRY DETAIL (INSIDE GUIDE)
SCALE: 3" = 1'-0"



(E3) WINDLOCK GUIDE CONNECTION TO CONCRETE OR GROUTED MASONRY DETAIL (OUTSIDE GUIDE)
SCALE: 3" = 1'-0"

DOOR SCHEDULE				ANCHOR SCHEDULE - (FASTENER MAXIMUM SPACING)							
MAX. DOOR WIDTH	MAX. DESIGN PRESSURE (P.S.F.)	Vx (P.L.F.)	Vy (P.L.F.)	DETAIL (E1)	DETAIL (E2)		DETAIL (E2)		DETAIL (E3)	
				3/8"φ -12 x 1" HEX WASHER HEAD TYPE B THREAD FORMING ZINC PLATED STEEL SCREW PLUS A 3/8"φ FLAT WASHER	3/8"φ POWER BOLT ANCHOR WITH MINIMUM 2" EMBEDMENT		1/4"φ ITW TAPCON ANCHOR WITH MINIMUM 1-3/4" EMBEDMENT		3/8"φ U.S. KINGPIN SLEEVE ANCHOR WITH MINIMUM 1-7/8" EMBEDMENT	
				STEEL STRUCTURE	CONCRETE STRUCTURE	GROUTED MASONRY STRUCTURE (SEE NOTE No. 2)	CONCRETE STRUCTURE	GROUTED MASONRY STRUCTURE (SEE NOTE No. 2)	CONCRETE STRUCTURE	GROUTED MASONRY STRUCTURE (SEE NOTE No. 2)
≤ 12'-10"	± 35.0	810	223	12"	12"	12"	6"	4"	12"	7"
	± 26.0	638	165	14"	14"	14"	11"	5"	14"	11"
≤ 12'-10"	± 30.3	1169	255	8"	12"	9"	4"	N/A	8"	5"
≤ 16'-10"	± 26.0	962	218	8"	14"	11"	5"	3"	10"	6"



(E) SUPERIMPOSED LOAD DIAGRAM
SCALE: 3" = 1'-0"

ANCHOR NOTES:

1. EMBEDMENT LENGTH DOES NOT INCLUDE STUCCO FINISH
2. FOR HOLLOW MASONRY, FILL ALL CELLS WITHIN 8" OF THE ANCHOR W/ 2500 PSI GROUT
3. ANCHORS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURERS SPECIFICATIONS

KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING

ROLL - UP DOOR

STANDARD BUILDING CODE

W.J. KNEZEVICH PROFESSIONAL ENGINEER

FOR ONE PERMIT ONLY
VALID ONLY WITH ORIGINAL SIGNATURE & IMPRESSION SEAL
JAN 10 2001

date 07/27/98
drawing no. 98-176S
sheet 2 of 2

05/31/99 09:35

26ga

CONSTRUCTION TESTING CORPORATION
13873 N.W. 19th Ave. Miami, Florida 33054
Phone: (305) 685-6657 Fax: (305) 685-6659

Static Wind Loading / Manner of Testing:

Loads applied to the specimen (10 seconds durations in loading cycles greater than 40 seconds) were at levels specified by the client's Consulting Engineer. Polyethylene film (2 mil) and tape were used to seal air leakage during loads. The film and tape were used in a manner that did not influence the results. Deflection gauges were mounted at each jamb to record deflections along the center line of the door. The deflection readings are as follows:

		Left		Center		Right		Net @ Center Line		
Load	Load	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Percent
PSF	In. H2O	@ Load	@ Rec'y	@ Load	@ Rec'y	@ Load	@ Rec'y	@ Load	@ Rec'y	Recovery
0.0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	NA
15.6	3.0	0.500	0.063	11.438	0.188	0.500	0.016	10.938	0.148	98.6
20.8	4.0	0.531	0.063	12.063	0.125	0.516	0.156	11.539	0.016	99.9
26.0	5.0	0.531	0.031	13.000	0.063	0.563	0.031	12.453	0.031	99.7
31.2	6.0	0.563	0.031	13.750	0.125	0.625	0.063	13.156	0.078	99.4
38.5	7.4	0.625	0.125	14.938	0.313	0.750	0.063	14.250	0.219	98.5
45.5	8.8	0.688	0.156	16.250	0.750	0.875	0.063	15.469	0.641	95.9
52.5	10.1	NR	NR	NR	NR	NR	NR	NR	NR	NR

As loading was initiated it momentarily rose to approximately 55 PSF then imediately reduced to the desired level.

The correct load was held for approximately 4 seconds when the windlocks failed at the center of the right jamb.

SUMMARY

One roll down door specimen manufactured by DBCI was wind loaded in accordance with **ASTM E-330** under the supervision of the clients consulting engineer. Loads were chosen to prove the adequacy of the product to sustain a design load of 25.5 PSF. In fact the sustained test load of 45.5 PSF proved the product to a design load of 30.3 PSF.

Respectfully submitted,

CONSTRUCTION TESTING CORPORATION.
(Dade County Certification # 95-0419.02)

Report by George Dotzler: _____

Test witnessed & report reviewed by John W. Knezevich, P.E. _____

13873 N.W. 19th Ave. Miami, Florida 33054
Phone: (305) 685-6657 Fax: (305) 685-6659

Static Wind Loading / Manner of Testing:

Loads applied to the specimen (10 seconds durations in loading cycles greater than 40 seconds) were at levels specified by the client's Consulting Engineer. Polyethylene film (2 mil) and tape were used to seal air leakage during loads. The film and tape were used in a manner that did not influence the results. Deflection gauges were mounted at each jamb to record deflections along the center line of the door. The deflection readings are as follows:

		Left		Center		Right		Net @ Center Line		
Load	Load	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Percent
PSF	In. H2O	@ Load	@ Rec'y	@ Load	@ Rec'y	@ Load	@ Rec'y	@ Load	@ Rec'y	Recovery
0.0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	NA
15.6	3.0	0.313	0.000	7.825	0.094	0.406	0.000	7.266	0.094	98.7
20.8	4.0	0.313	0.016	8.063	0.094	0.438	0.000	7.688	0.086	98.9
26.0	5.0	0.313	0.016	8.625	0.188	0.500	0.000	8.219	0.180	97.8
31.2	6.0	0.375	0.016	9.125	0.219	0.531	0.000	8.672	0.211	97.6
38.5	7.4	0.375	0.016	9.750	0.125	0.594	0.031	9.266	0.102	98.9
45.5	8.8	0.406	0.016	10.531	0.172	0.688	0.063	9.984	0.133	98.7
52.5	10.1	0.469	0.031	11.266	0.563	0.813	0.188	10.625	0.453	95.7
61.1	11.8	0.938	NR	14.875	NR	1.250	NR	13.781	NR	NR

Load was held for 9 seconds at this level when the wind locks failed at the left center jamb.

13575 N.W. 19th Ave. Miami, Florida 33054
Phone: (305) 685-6657 Fax: (305) 685-6659

Impact Manner of Testing: In accordance with Dade County Test Protocol PA 201-94 (rev 2) IMPACT TEST PROCEDURE.

This testing was performed as an experiment for the research and development of this product for Dade County Product Approval. One door assembly was tested, this was installed as previously described. It was impacted twice with a **9.0 lb. 2x4 of No. 2 Southern Pine** in locations as indicated in the document "Answers to questions most frequently asked about the new impact test" (by Jaime Gascon of DCPC) and a third time in a location specified by the clients engineer.

Impact Test Results

Shot	Impact Location	Impact Coordinates Rt(in), Up(in)	Firing Pressure in Hg	Impact Velocity Ft / Sec	Results
1	Right Bottom Corner	140, 12	9.88	49.6	No Penetration
2	Panel center @ Midspan	72, 33.5	10.00	50.2	No Penetration
3	Panel seam @ Midspan	73, 42.5	10.00	49.5	No Penetration

SUMMARY

One roll down door specimen manufactured by DBCI was wind loaded in accordance with **ASTM E-330** under the supervision of the clients consulting engineer. Loads were chosen to prove the adequacy of the product to sustain a design load of 25.5 PSF. In fact the product sustained a test load of 52.5 PSF adequate to prove a design load of 35 PSF.

Following wind loading undamaged portions of the specimen were subjected to three impacts in accordance with **Dade County Test Protocol PA 201-94 (ver 2.0)**. None of these impacts resulted in the penetration of the specimen.

Respectfully submitted,

CONSTRUCTION TESTING CORPORATION.
(Dade County Certification # 95-0419.02)

Report by George Dotzler : 8-23-95

Test witnessed & report reviewed by John W. Knezevich, P.E. :


AMTROL INC.
WEL-FLO®
Pre-pressurized
Water System Tanks
• Proven Diaphragm Design
• Tough Glass Finish
• Sizes from 14 to 119 Gallons
• Outstanding Value
Wel-Flo

1. Air Valve. Allows air to be put into tank. Must be at or 2 psi below cut-in pressure with tank empty.
2. Pressure switch. Sets cut-in and cut-off pressure for pump.
3. Pressure gauge. Shows actual pressure in tank
4. Hose bibb. May be used to drain tank or for watering purposes
5. Pressure release valve. Safety device to prevent explosion of tank.

Union - Used to separate tank from well

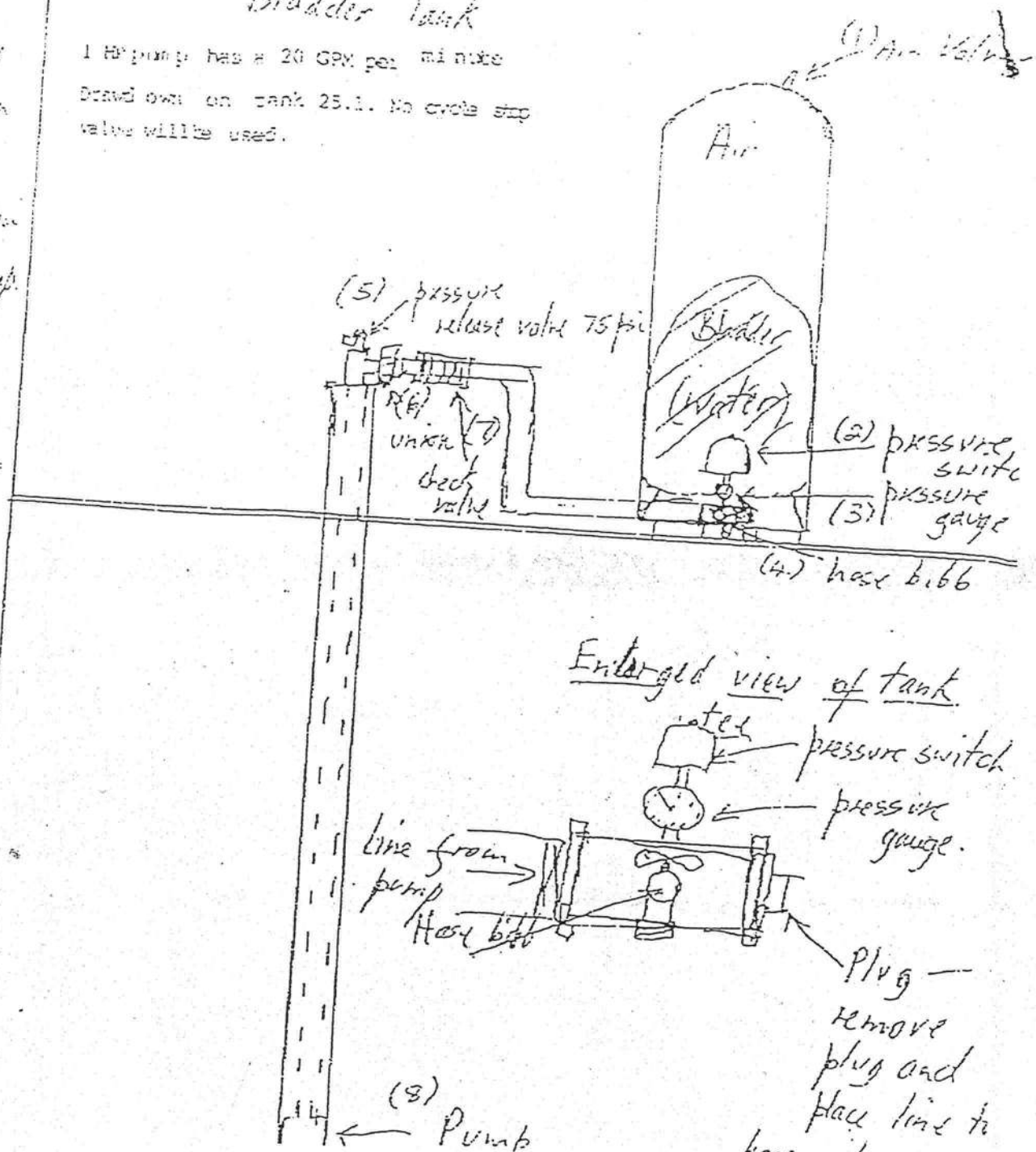
Check valve. Prevents water from running back down well.

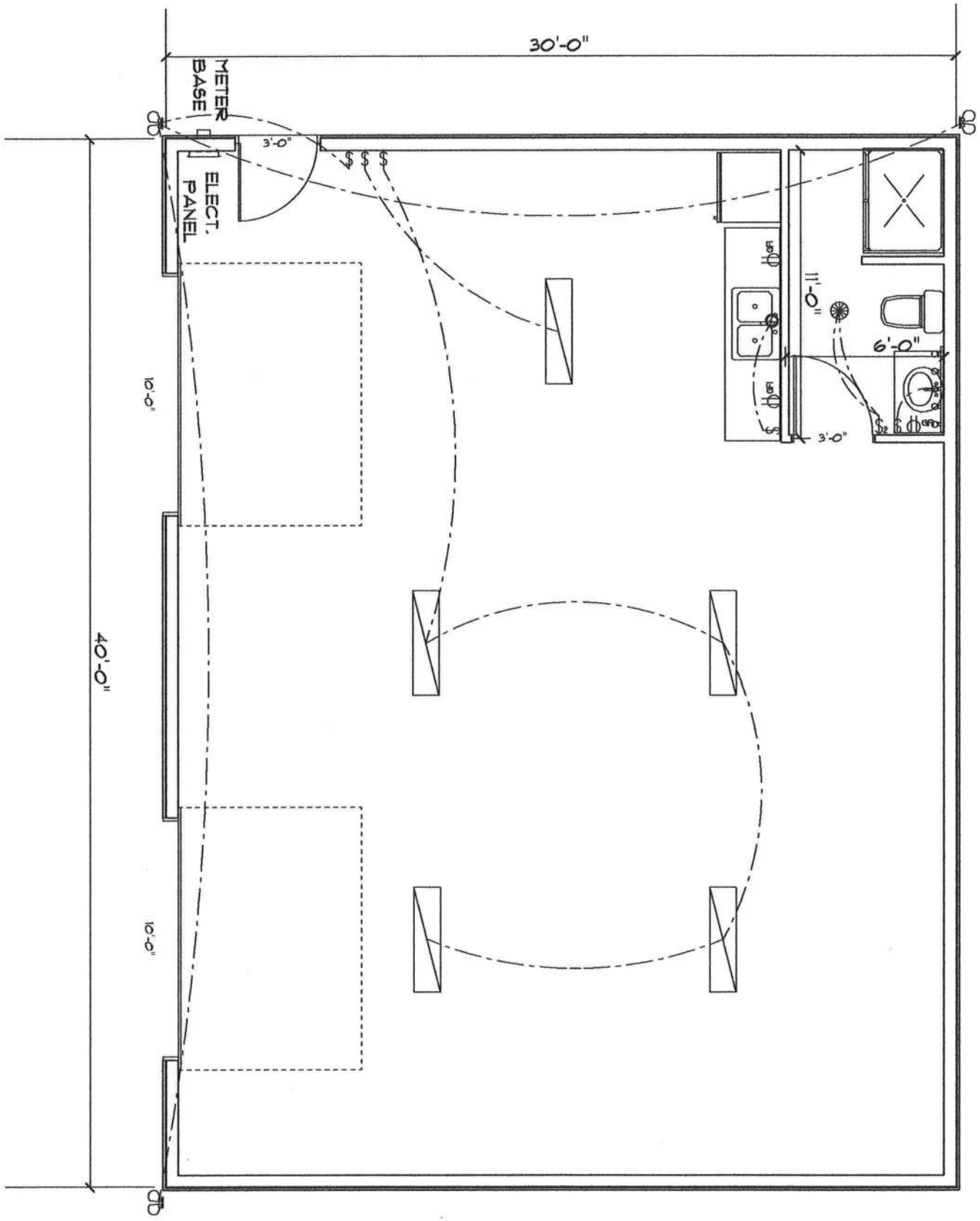
Pump - Pushes water up from well into tank.

Bladder Tank

1 HP pump has a 20 GPM per minute

Drawdown on tank 25.1. No cycle stop valve will be used.




30'-0"
METER BASE
ELECT. PANEL
3'-0"
11'-0"
6'-0"
3'-0"
10'-0"
10'-0"
40'-0"

Columbia County Property Appraiser

DB Last Updated: 8/5/2008

2008 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

Parcel: 03-6S-16-03767-402

Search Result: 1 of 1

Owner & Property Info

Owner's Name	KIRCHENSTINER ROBERT & KAREN M		
Site Address			
Mailing Address	3267 VAGABOND RD LAKE WORTH, FL 33462		
Use Desc. (code)	VACANT (000000)		
Neighborhood	3616.00	**Tax District**	3
UD Codes	MKTA02	**Market Area**	02
Total Land Area	5.000 ACRES		
Description	LOT 2 SEDGEFIELD S/D PHASE 4. WD 1099-446		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$55,100.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$55,100.00

Just Value	$55,100.00
Class Value	$0.00
Assessed Value	$55,100.00
Exempt Value	$0.00
Total Taxable Value	$55,100.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
9/29/2006	1099/446	WD	V	Q		$70,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
			NONE			

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (5.000AC)	1.00/1.00/1.00/1.00	$55,100.00	$55,100.00

Columbia County Property Appraiser DB Last Updated: 8/5/2008

NOTICE OF COMMENCEMENT

Inst:200812018809 Date:10/13/2008 Time:3:47 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1160 P:941

Tax Parcel Identification Number Part of R03767-000

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property. and in accordance with Section 713.13 of the Florida Statutes. the following information is provided in this **NOTICE OF COMMENCEMENT.**

1. Description of property *(legal description)*: Lot 2 Sedrefield S/D Phase 4.
   a) Street *(job)* Address: 511 SW Rolling Meadows Gln Fort White fl 32038
2. General description of improvements: Storage buildings
3. Owner Information
   a) Name and address: Mr. Thos. Kirchenstiner 3267 Vagabond Rd Lake Worth FL
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property Warranty Deed
4. Contractor Information
   a) Name and address: Mike Todd 129 NE Colburn Ave Lake City fl 32055
   b) Telephone No : 386-755-4387 Fax No. (Opt.) _____
5. Surety Information
   a) Name and address: N-A
   b) Amount of Bond: _____
   c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
   a) Name and address: N-A
   b) Phone No. _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: Contractor
   b) Telephone No.: _____ Fax No. (Opt.) _____
8. In addition to himself. owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b). Florida Statutes:
   a) Name and address: Contractor
   b) Telephone No.: _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**: _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. _____
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Mike Todd
Print Name

The foregoing instrument was acknowledged before me , a Florida Notary, this 9 day of October, 20 08, by: Mike Todd as President **(type of authority, e.g. officer, trustee, attorney fact) for** Mike Todd Construction, Inc **(name of party on behalf of whom instrument was executed).**

Personally Known ✓ OR Produced Identification ____ Type _____

Notary Signature Teresa Pierce Notary Stamp or Seal:

NOTARY PUBLIC STATE OF FLORIDA
TERESA N. PIERCE
MY COMMISSION # DD474390
EXPIRES: Sept. 21, 2009
(407) 398-0153 Florida Notary Service.com

—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

X _____
Signature of Natural Person Signing (in line #10 above.)

Permit # 0810-17
Septic 08-0675

STATE OF FLORIDA
DEPARTMENT OF HEALTH

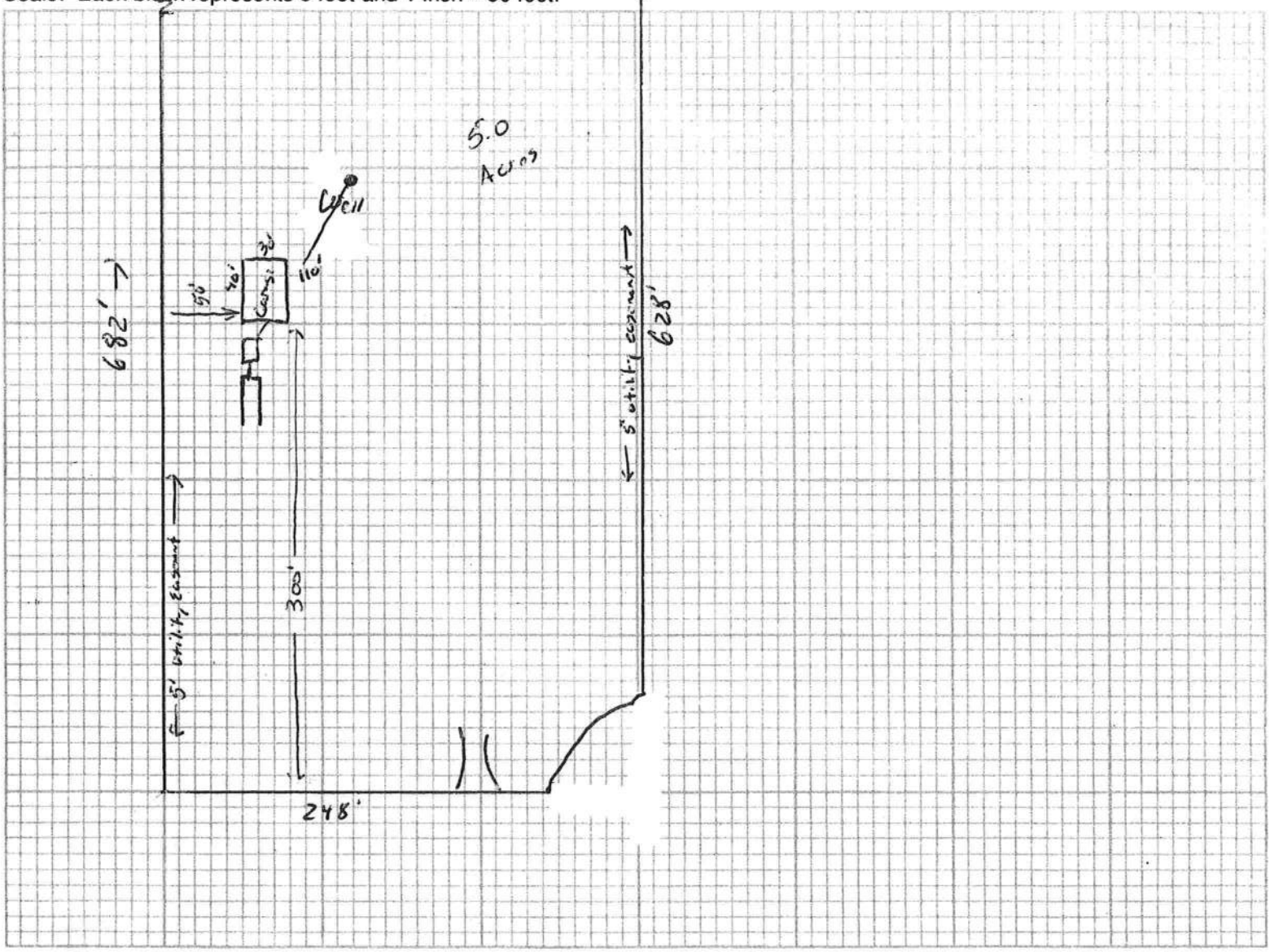
0810-17

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 08-0675

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: _____

Site Plan submitted by: Rocky Ford (MSI) _____ Agent
Signature Title

Plan Approved ✓ Not Approved _____ Date 10-10-08

By _____ Columbia County Health Departmen

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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 03-6S-16-03767-402 **Building permit No.** 000027445

Use Classification METAL BUILDING **Fire:** 0.00

Permit Holder MIKE TODD **Waste:**

Owner of Building BOB KIRCHENSTINER **Total:** 0.00

Location: 511 SW ROLLING MEADOWS GLEN, FT. WHITE, FL

Date: 01/14/2009

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

VULCAN STEEL STRUCT.
500 VULCAN PARKWAY
ADEL, GA 31620

27445

DATE: 9/23/08

MIKE TODD CONSTRUCTION
Re: JOB NO. 19076
BUILDING SIZE:
WIDTH : 30 ft.
LENGTH : 40 ft.
EAVE HT : 10 ft.

JOBSITE : FORT WHITE, FL 32038

To Whom It May Concern:

This is to certify that the above referenced building is designed in accordance with the order documentation, the Thirteenth Edition of the American Institute of Steel Construction (AISC) "Manual of Steel Construction" and the 2001 Edition of American Iron and Steel Institute (AISI) " Cold Formed Steel Design Manual. "The basic loads of the subject building meet or exceed the minimum county climatic data as published in the 2002 edition of the MBMA " Low Rise Building Systems Manual ".

The criteria for application of design loads are follows
Governing Code : FBC 04 (with 06 Amendments)
Occupancy Category : II - Normal
Roof Dead Load : 2.000 psf plus wt. of metal bldg structure

Live Load based on the tributary area :

0 - 200 sq. ft.....20 psf
201 - 600 sq. ft.....See Sec 4.9.1 of ASCE 7-02
over 600 sq. ft.....12 psf

Collateral Load	: 0 psf	Roof Snow Load	: NR
Wind Load (3 sec gust)	: 110 mph	Snow Exp. Fac	: NR
Enclosure Type	: Closed	Snow Imp. Fac.	: NR
Wind Exp. Cat	: B	Seismic Coef SDS	: 0.13
Wind Imp. Factor	: 1.00	Seismic Coef SDI	: 0.09
Ground Snow Load	: 0 psf	Seismic Imp. Fact.	: 1.00

Mapped Spectral Response Acceleration, Ss: 0.12
Mapped Spectral Response Acceleration, S1: 0.06
Response Modification Factor: 3.50
Seismic Response Coefficient, Cs: 0.03

This Letter of Certification applies solely to the building and its component parts as furnished by the Metal Building Manufacturer. Doors, windows and louvers are not structural components of the building. It is the responsibility of the owner to determine if wind lock accessories are supplied if required. Certification specifically excludes any foundation, masonry, or general contract work.

Sincerely,

MIKE MURPHY, P.E.

SEP 24 2008

Noling Pest Control
Cory Noling. Owner
Phone (386)454-3888
(386) 935-2007
P.O. Box 949
High Springs, Florida 32655-0949

GRAPH AND SPECIFICATIONS

2745

BUYER'S NAME Bob Kirschenstiner SELLER'S NAME _____ DATE 10-28-08

INSPECTION ADDRESS 511 SW Rolling Meadow Glen CITY ft White STATE Fl ZIP 32038

BUSINESS PHONE _____ HOME PHONE _____ INSPECTED BY: _____

Scale Used: _____ Well: ❑ Yes ❑ No How close to house? _____ ft. Additions? ❑ Yes ❑ No Access? _____

Additional specifications and comments: 1200 Sq ft Promise Pro 100 g Soil treatment Graph not to Sq ft

Lineal Footage: Square Footage: Contract Price:

Type Foundation: ❑ Floating Slab ❑ Supported Slab ❑ Monolithic Slab ❑ Crawl ❑ Basement Type Construction: ❑ CBS ❑ Woodframe ❑ Brick

Type Infestation Key

T-Subterranean Termite Activity
D - Drywood Termite Activity
ST - Suspected Termite Activity
P - Powder Post Beetles
W - Wood Borers
M - Moisture Condition
F - Wood Decaying Fungi
X-Damage Present
. . . - Vertical Drill Location

Location Key

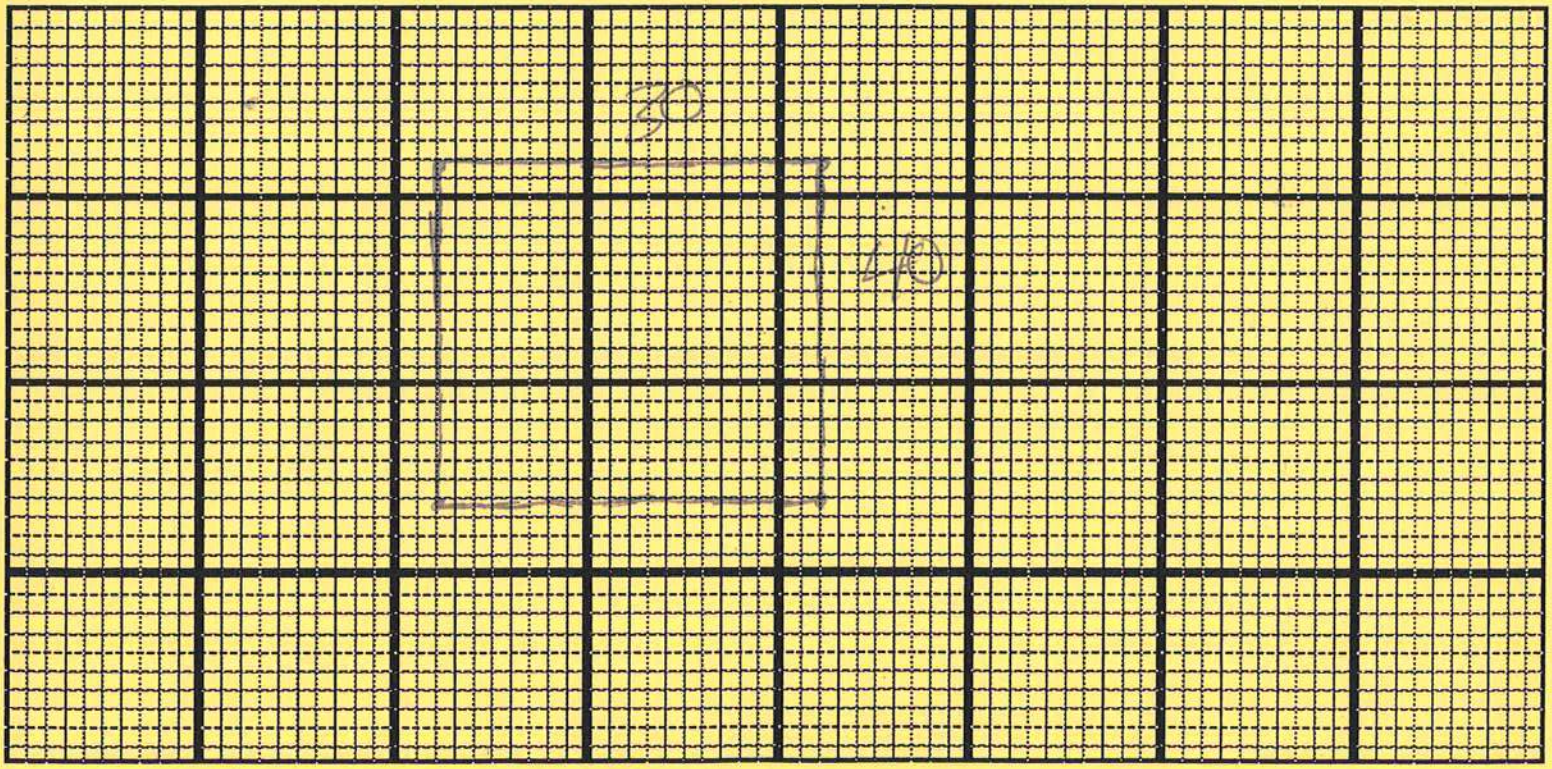
F - Front R - Right L - Left RE - Rear C-Center

Infested Area	Type	Location
❑ Sills / Joists		
❑ Sub Floor		
❑ Finished Floor		
❑ Walls, Studs, Plates		
❑ Interior Trim		
❑ Paneled Wall		
❑ Door/Window Frame		
❑ Furniture/Cabinets		
❑ Attic		
❑ Roof		

General Conditions

Stucco below grade? Yes ❑ No ❑
Are Termites swarming? Yes ❑ No ❑
Wood supports on ground? Yes ❑ No ❑
Proper clearance for treating? Yes ❑ No ❑
Make A3access opening? Yes ❑ No ❑
Electricity available? Yes ❑ No ❑
Bath trap opening? Yes ❑ No ❑
Shrubbery Light ❑ Heavy ❑
Type Floor Covering: _____
Other: _____

VISIBLE DAMAGE WHICH EXISTS AT THE TIME OF THE INSPECTION IS DESIGNATED BY AN "X"



SPECIFICATIONS

State Regulations.

1. Subterranean Termites, Drywood Termites, Powder Post Beetles, Woodborers, or other damage were discovered in portions of the premises shown in the drawing on the reverse side.
2. The notice of treatment is located at:

---

3. Control covered by this contract is ❑ for existing infestation ❑ for prevention of infestation ❑ recommended on the basis of presumptive evidence of infestation.
4. The Company will make:
   ❑ no repairs or structurall modifications
   ❑ only the following strutiral repairs and/or modifications:

If applicable laws or regulations require pre-treatment completionof any repairs and/or structural modifications which the Company has not expressly agreed in this paragraph, to do, the Buyer is responsible for (a) having such repairs and/or structural modifications done at his own expense, or (b) obtaining the iissuance to the Company of appropriate waivers under applicable laws or regulations permitting the Company to provide treatment without such work having been done.

Individual Treatments

Treating Specifications for the Protection of Your Property.

The drawings checked indicated the combination of treating procedures that will be used to protect your home. All vertical drilling is normally done at intervals of approximately 16" and drill holes will be carefully refilled. Arrangements should be made to have any cellulose debris that is removed from beneath your home during treatment hauled from your property.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

FORM 600B-01 — **Residential Component Prescriptive Method B** — **NORTH 1 2 3**

Compliance with Method B Chapter 6 of the Florida Energy Efficiency Code may be demonstrated by the use of Form 600B for single and multifamily residences of 3 stories or less in height, and additions to existing residential buildings. To comply, a building must meet or exceed all of the energy efficiency prescriptives in any one of the prescriptive component packages and comply with the prescriptive measures listed in Table 6B-1 of this form. An alternative method is provided for additions of 600 square feet or less by use of Form 600C. If a building does not comply with this method, it may still comply under other sections in Chapter 6 of the Code.

PROJECT NAME: AND ADDRESS: Rich	BUILDER: Mike Taylor		
	PERMITTING OFFICE: Columbia Co.	CLIMATE ZONE: 1 ☐ 2 ☐ 3 ☐	
OWNER: Kitchen Stiner	PERMIT NO.: ☐☐☐☐☐☐☐	JURISDICTION NO.: ☐☐☐☐☐☐	

GENERAL DIRECTIONS

1. New construction including additions which incorporates any of the following features cannot comply using this method: steel stud walls, single assembly roof/ceiling construction, or skylights or other non-vertical roof glass.
2. Choose one of the component packages "A" through "E" fromTable 6B-1 by which you intend to comply with the Code. Circle the column of the package you have chosen.
3. Fill in all the applicable spaces of the "To Be Installed" column on Table 6B-1 with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
4. Complete page 1 based on the "To Be Installed" column information.
5. Read "Minimum Requirements for All Packages", Table 6B-2 and check each box to indicate your intent to comply with all applicable items.
6. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

	Please Print	CK
1. Compliance package chosen (A-F)	1.	
2. New construction or addition	2. New	
3. Single family detached or Multifamily attached	3. Garage	
4. If Multifamily—No. of units covered by this submission	4.	
5. Is this a worst case? (yes / no)	5. No	
6. Conditioned floor area (sq. ft.)	6. 0	
7. Predominant eave overhang (ft.)	7. 6"	
8. Glass type and area :	Single Pane / Double Pane	
a. Clear glass	8a. _____ sq. ft. / _____ sq. ft.	
b. Tint, film or solar screen	8b. _____ sq. ft. / _____ sq. ft.	
9. Percentage of glass to floor area	9. 0 %	
10. Floor type, area or perimeter, and insulation:		
a. Slab on grade (R-value)	10a. R= 0 _____ lin. ft.	
b. Wood, raised (R-value)	10b. R= _____ _____ sq. ft.	
c. Wood, common (R-value)	10c. R= _____ _____ sq. ft.	
d. Concrete, raised (R-value)	10d. R= _____ _____ sq. ft.	
e. Concrete, common (R-value)	10e. R= _____ _____ sq. ft.	
11. Wall type, area and insulation: Steel		
a. Exterior: 1. Masonry (Insulation R-value)	11a-1 R= 13 1220 sq. ft.	
2. Wood frame (Insulation R-value)	11a-2 R= _____ _____ sq. ft.	
b. Adjacent: 1. Masonry (Insulation R-value)	11b-1 R= _____ _____ sq. ft.	
2. Wood frame (Insulation R-value)	11b-2 R= _____ _____ sq. ft.	
12. Ceiling type, area and insulation:		
a. Under attic (Insulation R-value)	12a. R= 22 1200 sq. ft.	
b. Single assembly (Insulation R-value)	12b. R= _____ _____ sq. ft.	
13. Air Distribution System: Duct insulation, location Test report (attach if required)	13. R= _____ _____	
14. Cooling system	14a. Type: None	
(Types: central, room unit, package terminal A.C., gas, none)	14b. SEER/EER: _____	
15. Heating system:	14c. Capacity: _____	
(Types: heat pump, elec. strip, nat. gas, L.P. gas, gas h.p., room or PTAC, none)	15a. Type: None	
	15b. HSPF/COP/AFUE:	
16. Hot water system:	15c. Capacity: _____	
(Types: elec., nat. gas, L.P. gas, solar, heat rec., ded. heat pump, other, none)	16a. Type: ~~Electric~~ Elect	
	16b. EF: .92	

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

PREPARED BY: _____ DATE: 10/2/08

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

OWNER AGENT: _____ DATE: 10/2/08

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

BUILDING OFFICIAL: _____

DATE: _____

TABLE 6B-1 MINIMUM REQUIREMENTS Climate Zones 1 2 3

COMPONENTS		PACKAGES FOR NEW CONSTRUCTION					TO BE INSTALLED
		A	B	C	D	E	
GLASS	Max.%of glass to Floor Area	15%	15%	20%	20%	25%	0 %
	Type	Double Clear (DC)	Double Clear (DC)	Double Clear (DC)	Double Clear (DC)	Double Tint (DT)	DC: ☐ DT: ☐
	Overhang	1'4"	2'	2'	2'	2'	FEET
WALLS	Masonry	EXTERIOR AND ADJACENT MASONRY WALLS R-5 COMMON MASONRY WALLS R-3 EACH SIDE. Steel					EXT: R = 13 ADJ: R = COM: R =
	Wood Frame	EXTERIOR, ADJACENT, AND COMMON WOOD FRAME WALLS R-11					EXT: R = ADJ: R = COM: R =
CEILINGS		R-30	R-30	R-30	R-30	R-30	UNDER ATTIC: R = 22 COMMON: R =
		(NO SINGLE ASSEMBLY CEILINGS ALLOWED)					
FLOORS	Slab-On-Grade	R-0					R =
	Raised Wood	R-19 (ONLY STEM WALL CONSTRUCTION ALLOWED EXCEPT PACKAGE C)					R =
	Raised Concrete	R-7					R =
DUCTS		R-6	R-6	R-6, TESTED	R-6	R-6, TESTED	R = COND. ☐
SPACE COOLING (SEER)		12.0	10.5	12.0	11.0	12.0	SEER =
HEAT	Elect. (HSPF)	7.9	7.1	7.4	7.4	7.4	COP=
	Gas/Oil (AFUE)	MINIMUM OF .73 (Direct heating) or .78 (Central)					AFUE =
HOT WATER SYSTEM	Electric Resistance**	EF .88	NOT ALLOWED (SEE BELOW)	EF .91	NOT ALLOWED (SEE BELOW)	EF .91	EF = .88
	Gas & Oil **	MINIMUM EF OF .54				NATURAL GAS ONLY (SEE BELOW)	EF =
	Other	Any of the following are allowed: dedicated heat pump, heat recovery unit or solar system.					DHP: ☐ EF= HRU: ☐ SOLAR: ☐ EF=

* Single package units minimum SEER=9.7, HSPF = 6.6.

** Minimum efficiencies for gas and electric hot water systems apply to to 40 gallon water heaters. Refer to Table 6-12 for minimum Code efficiencies for oil water heaters and other sizes.

DESCRIPTION OF BUILDING COMPONENTS LISTED

Percent of Glass to Floor Area: This percentage is calculated by dividing the total of all glass areas by the total conditioned floor area.

Overhang: The overhang is the distance the roof or soffit projects out horizontally from the face of the glass. All glass areas shall be under an overhang of at least the prescribed length with the following exceptions: 1) glass on the gabled ends of a house and 2) the glass in the lower stories of a multi-story house.

Wall, Ceiling and Floor Insulation Values: The R-values indicated represent the minimum acceptable insulation level added to the structural components of the wall, ceiling or floor. The R-value of the structural building materials shall not be included in this calculation. "Common" components are those separating conditioned tenancies in a multifamily building. "Adjacent" components separate conditioned space from unconditioned but enclosed space. "Exterior" components separate conditioned space from unconditioned and unenclosed space.

Floor: Slab-on-grade floors without edge insulation are acceptable. Raised wood floors shall have continuous stem walls with insulation placed on the stem wall or under the floor except Package C.

Ducts: "TESTED" shall mean the ducts have less than 5% leakage based on a certified test report by a State-approved tester.

Space Cooling System: Cooling systems shall have a Seasonal Energy Efficiency Ratio (SEER) for central units or Energy Efficiency Ratio (EER) for room units or PTAC's equal to or greater than the prescribed value.

Electric Space Heating Option: Heat pump systems shall be rated with a Heating Seasonal Performance Factor (HSPF) equal to or greater than the prescribed HSPF. Heat pump systems may contain electric strip backups meeting the criteria of section 608.1.ABC.3.2.1.2. No electric resistance space heat is allowed for these packages.

Electric Resistance Hot Water Option: For packages designated "Not Allowed", an electric resistance hot water system may be installed only in conjunction with one of the "Other Hot Water System Options". See below.

Other Hot Water System Options: Any dedicated heat pump, heat recovery unit, or solar hot water system may be installed. Solar systems must have an EF of 1.5 or higher. Electric resistance systems having an EF of .88 or greater, or natural gas systems with EF .54 or greater may be used in conjunction with these systems.

TABLE 6B-2 MINIMUM REQUIREMENTS FOR ALL PACKAGES

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Exterior Joints & Cracks	606.1	To be caulked, gasketed, weather-stripped or otherwise sealed.	✓
Exterior Windows & Doors	606.1	Max .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Sole & Top Plates	606.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	
Recessed Lighting	606.1	Type IC rated with no penetrations (two alternatives allowed).	
Multi-story Houses	606.1	Air barrier on perimeter of floor cavity between floors.	
Exhaust Fans	606.1	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	✓
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	✓
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 minimum thermal efficiency of 78%.	
Hot Water Pipes	612.1	Insulation is required for hot water circulating systems (including heat recovery units).	
Shower Heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	✓
HVAC Duct Construction, Insulation & Installation	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 610.1. Ducts in attics must be insulated to a minimum of R-6.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	

FORM 600B-01

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Residential Component Prescriptive Method B

NORTH 1 2 3

Compliance with Method B Chapter 6 of the Florida Energy Elficiency Code may be demonstrated by the use of Form 600B for single and multifamily residences of 3 stories or less in height, and additions to existing residential buildings. To comply, a building must meet or exceed all of the energy efficiency prescriptives in any one of the prescriptive component packages and comply with the prescriptive measures listed in Table 6B-1 of this form. An alternative method is provided for additions of 600 square feet or less by use of Form 600C. If a building does not comply with this method, it may still comply under other sections in Chapter 6 of the Code.

PROJECT NAME: AND ADDRESS: Rich	BUILDER: Mike Todd		
	PERMITTING OFFICE: Columbia Co.	CLIMATE ZONE: 1 ☐ 2 ☐ 3 ☐	
OWNER: Kitchen Stover	PERMIT NO.:	JURISDICTION NO.:	

GENERAL DIRECTIONS

1. New construction including additions which incorporates any of the following features cannot comply using this method: steel stud walls, single assembly roof/ceiling construction, or skylights or other non-vertical roof glass.
2. Choose one of the component packages "A" through "E" fromTable 6B-1 by which you intend to comply with the Code. Circle the column of the package you have chosen.
3. Fill in all the applicable spaces of the "To Be Installed" column on Table 6B-1 with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
4. Complete page 1 based on the "To Be Installed" column information.
5. Read "Minimum Requirements for All Packages", Table 6B-2 and check each box to indicate your intent to comply with all applicable items.
6. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

	Please Print	CK
1. Compliance package chosen (A-F)		
2. New construction or addition	New	
3. Single family detached or Multifamily attached	Garage	
4. If Multifamily—No. of units covered by this submission		
5. Is this a worst case? (yes / no)	NO	
6. Conditioned floor area (sq. ft.)	0	
7. Predominant eave overhang (ft.)	6"	
8. Glass type and area :	Single Pane / Double Pane	
a. Clear glass	8a. ____ sq. ft. / ____ sq. ft.	
b. Tint, film or solar screen	8b. ____ sq. ft. / ____ sq. ft.	
9. Percentage of glass to floor area	9. 0 %	
10. Floor type, area or perimeter, and insulation:		
a. Slab on grade (R-value)	10a. R= 0 ____ lin. ft.	
b. Wood, raised (R-value)	10b. R= ____ ____ sq. ft.	
c. Wood, common (R-value)	10c. R= ____ ____ sq. ft.	
d. Concrete, raised (R-value)	10d. R= ____ ____ sq. ft.	
e. Concrete, common (R-value)	10e. R= ____ ____ sq. ft.	
11. Wall type, area and insulation: Steel		
a. Exterior: 1. Masonry (Insulation R-value)	11a-1 R= 13 1220 sq. ft.	
2. Wood frame (Insulation R-value)	11a-2 R= ____ ____ sq. ft.	
b. Adjacent: 1. Masonry (Insulation R-value)	11b-1 R= ____ ____ sq. ft.	
2. Wood frame (Insulation R-value)	11b-2 R= ____ ____ sq. ft.	
12. Ceiling type, area and insulation:		
a. Under attic (Insulation R-value)	12a. R= 22 1200 sq. ft.	
b. Single assembly (Insulation R-value)	12b. R= ____ ____ sq. ft.	
13. Air Distribution System: Duct insulation, location Test report (attach if required)	13. R= ____ ____	
14. Cooling system (Types: central, room unit, package terminal A.C., gas, none)	14a. Type: None	
	14b. SEER/EER: ____	
	14c. Capacity: ____	
15. Heating system: (Types: heat pump, elec. strip, nat. gas, L.P. gas, gas h.p., room or PTAC, none)	15a. Type: None	
	15b. HSPF/COP/AFUE:	
	15c. Capacity: ____	
16. Hot water system: (Types: elec., nat. gas, L.P. gas, solar, heat rec., ded. heat pump, other, none)	16a. Type: Electric Elect	
	16b. EF: .92	

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

PREPARED BY: _____ DATE: 10/2/08

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

OWNER AGENT: _____ DATE: 10/2/08

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

BUILDING OFFICIAL: _____

DATE: _____

TABLE 6B-1 **MINIMUM REQUIREMENTS** **Climate Zones 1 2 3**

COMPONENTS		PACKAGES FOR NEW CONSTRUCTION					TO BE INSTALLED
		A	B	C	D	E	
GLASS	Max.%of glass to Floor Area	15%	15%	20%	20%	25%	0 %
	Type	Double Clear (DC)	Double Clear (DC)	Double Clear (DC)	Double Clear (DC)	Double Tint (DT)	DC: ☐ DT: ☐
	Overhang	1'4"	2'	2'	2'	2'	____ FEET
WALLS	Masonry	EXTERIOR AND ADJACENT MASONRY WALLS R-5 COMMON MASONRY WALLS R-3 EACH SIDE. Steel					EXT: R = 13 ADJ: R = ____ COM: R = ____
	Wood Frame	EXTERIOR, ADJACENT, AND COMMON WOOD FRAME WALLS R-11					EXT: R = ____ ADJ: R = ____ COM: R = ____
CEILINGS		R-30	R-30	R-30	R-30	R-30	UNDER ATTIC: R = 22 COMMON: R = ____
		(NO SINGLE ASSEMBLY CEILINGS ALLOWED)					
FLOORS	Slab-On-Grade	R-0					R = ____
	Raised Wood	R-19 (ONLY STEM WALL CONSTRUCTION ALLOWED EXCEPT PACKAGE C)					R = ____
	Raised Concrete	R-7					R = ____
DUCTS		R-6	R-6	R-6, TESTED	R-6	R-6, TESTED	R = ____ COND. ☐
SPACE COOLING (SEER)		12.0	10.5	12.0	11.0	12.0	SEER = ____
HEAT	Elect. (HSPF)	7.9	7.1	7.4	7.4	7.4	COP= ____
	Gas/Oil (AFUE)	MINIMUM OF .73 (Direct heating) or .78 (Central)					AFUE = ____
HOT WATER SYSTEM	Electric Resistance**	EF .88	NOT ALLOWED (SEE BELOW)	EF .91	NOT ALLOWED (SEE BELOW)	EF .91	EF = .88
	Gas & Oil **	MINIMUM EF OF .54				NATURAL GAS ONLY (SEE BELOW)	EF = ____
	Other	Any of the following are allowed: dedicated heat pump, heat recovery unit or solar system.					DHP: ☐ EF= ____ HRU: ☐ SOLAR: ☐ EF= ____

* Single package units minimum SEER=9.7, HSPF = 6.6.

** Minimum efficiencies for gas and electric hot water systems apply to to 40 gallon water heaters. Refer to Table 6-12 for minimum Code efficiencies for oil water heaters and other sizes.

DESCRIPTION OF BUILDING COMPONENTS LISTED

Percent of Glass to Floor Area: This percentage is calculated by dividing the total of all glass areas by the total conditioned floor area.

Overhang: The overhang is the distance the roof or soffit projects out horizontally from the face of the glass. All glass areas shall be under an overhang of at least the prescribed length with the following exceptions: 1) glass on the gabled ends of a house and 2) the glass in the lower stories of a multi-story house.

Wall, Ceiling and Floor Insulation Values: The R-values indicated represent the minimum acceptable insulation level added to the structural components of the wall, ceiling or floor. The R-value of the structural building materials shall not be included in this calculation. "Common" components are those separating conditioned tenancies in a multifamily building. "Adjacent" components separate conditioned space from unconditioned but enclosed space. "Exterior" components separate conditioned space from unconditioned and unenclosed space.

Floor: Slab-on-grade floors without edge insulation are acceptable. Raised wood floors shall have continuous stem walls with insulation placed on the stem wall or under the floor except Package C.

Ducts: "TESTED" shall mean the ducts have less than 5% leakage based on a certified test report by a State-approved tester.

Space Cooling System: Cooling systems shall have a Seasonal Energy Efficiency Ratio (SEER) for central units or Energy Efficiency Ratio (EER) for room units or PTAC's equal to or greater than the prescribed value.

Electric Space Heating Option: Heat pump systems shall be rated with a Heating Seasonal Performance Factor (HSPF) equal to or greater than the prescribed HSPF. Heat pump systems may contain electric strip backups meeting the criteria of section 608.1.ABC.3.2.1.2. No electric resistance space heat is allowed for these packages.

Electric Resistance Hot Water Option: For packages designated "Not Allowed", an electric resistance hot water system may be installed only in conjunction with one of the "Other Hot Water System Options". See below.

Other Hot Water System Options: Any dedicated heat pump, heat recovery unit, or solar hot water system may be installed. Solar systems must have an EF of 1.5 or higher. Electric resistance systems having an EF of .88 or greater, or natural gas systems with EF .54 or greater may be used in conjunction with these systems.

TABLE 6B-2 MINIMUM REQUIREMENTS FOR ALL PACKAGES

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Exterior Joints & Cracks	606.1	To be caulked, gasketed, weather-stripped or otherwise sealed.	✓
Exterior Windows & Doors	606.1	Max .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Sole & Top Plates	606.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	
Recessed Lighting	606.1	Type IC rated with no penetrations (two alternatives allowed).	
Multi-story Houses	606.1	Air barrier on perimeter of floor cavity between floors.	
Exhaust Fans	606.1	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	✓
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	✓
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 minimum thermal efficiency of 78%.	
Hot Water Pipes	612.1	Insulation is required for hot water circulating systems (including heat recovery units).	
Shower Heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	✓
HVAC Duct Construction, Insulation & Installation	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 610.1. Ducts in attics must be insulated to a minimum of R-6.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	