

PERMIT
000024003

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

APPLICANT	KEVIN BEDENBAUGH	PHONE	938-5588
ADDRESS	PO BOX 1416	LIVE OAK	FL 32064
OWNER	KEVIN BEDENBAUGH	PHONE	938-5588
ADDRESS	SE PLANT ST	LAKE CITY	FL 32025
CONTRACTOR	KEVIN BEDENBAUGH	PHONE	938-5588

LOCATION OF PROPERTY 90 E, TAKE 100, R 245, R PLANT ST, 4TH ON R PAST GOLDIE WAY

TYPE DEVELOPMENT	SFD, UTILITY	ESTIMATED COST OF CONSTRUCTION	72850.00
HEATED FLOOR AREA	1457.00	TOTAL AREA	2226.00
FOUNDATION	CONCRETE	WALLS FRAMED	5/12
LAND USE & ZONING	RSF-2	MAX. HEIGHT	35
Minimum Set Back Requirements:	STREET-FRONT	25.00	REAR 15.00
		SIDE	10.00
NO. EX.D.U.	0	FLOOD ZONE	X

PARCEL ID	03-4S-17-07570-013	SUBDIVISION	SUZANNE S/D	TOTAL ACRES	
LOT 13	BLOCK	PHASE	UNIT 1		

000000933	RB0066597	Contractor's License Number	BK	LU & Zoning checked by	JH	Approved for Issuance	New Resident
Culvert Permit No.		Culvert Waiver			Applicant/Owner/Contractor		
WAIVER	05-0943-N	Septic Tank Number					
Driveway Connection							

COMMENTS: FLOOR 1 FOOT ABOVE THE ROAD, NOC ON FILE

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power	Foundation	Monolithic	date/app. by
Under slab rough-in plumbing	Slab	Sheathing/Nailing	date/app. by
Framing	Rough-in plumbing above slab and below wood floor	date/app. by	
Electrical rough-in	Heat & Air Duct	Peri. beam (Lintel)	date/app. by
Permanent power	C.O. Final	Culvert	date/app. by
M/H tie downs, blocking, electricity and plumbing	date/app. by	Pool	date/app. by
Reconnection	Pump pole	Utility Pole	date/app. by
M/H Pole	Travel Trailer	Re-roof	date/app. by

BUILDING PERMIT FEE \$	365.00	CERTIFICATION FEE \$	11.13	SURCHARGE FEE \$	11.13
MISC. FEES \$	0.00	ZONING CERT. FEE \$	50.00	FIRE FEE \$	0.00
FLOOD DEVELOPMENT FEE \$		FLOOD ZONE FEE \$	25.00	CULVERT FEE \$	
INSPECTORS OFFICE		CLERKS OFFICE		TOTAL FEE	462.26

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

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Columbia County Building Permit Application

Revised 9-23-04

Application #	0510-70	Date Received	10-24-05	By	OKTH	Permit #	933/2403
Application Approved by - Zoning Official							
Date 25.10.05 Plans Examiner							
Date 11-7-05							
Flood Zone ☒ Development Permit ☒ Zoning ☒ Land Use Plan Map Category ☒ RES. L.V. Dev.							
Comments							

Applicants Name	KEVIN BEDENBAUGH	Address	P.O. Box 1416 Live Oak, FL 32064
Owners Name	KEVIN BEDENBAUGH	Address	561 SE Plant St. L.C. 32025
Contractors Name	Plumb Level Const.	Address	P.O. Box 1416 Live Oak, FL 32064
Free Simple Owner Name & Address	First Federal Savings Bank	Address	2571 US Hwy 90 West Lake City, FL 32055
Bonding Co. Name & Address	Cooper Designs / John K. Gentry	Address	114-B W Green St, Feely
Mortgage Lenders Name & Address		Address	

Circle the correct power company -	FL Power & Light	Clay Elec.	Suwannee Valley Elec.	Progressive Energy
Property ID Number	07570-013	Estimated Cost of Construction	90,000	Unit 1 Phase
Subdivision Name	Suzanne Subdivision	Lot 13 Block		
Driving Directions	Hwy 90 E, RT 90 East 100 GO TO CR 245 Turn Right, on Plant St, 4th on right - past			
Type of Construction	NEW - SF	Number of Existing Dwellings on Property	0	
Total Acreage		Lot Size		
Actual Distance of Structure from Property Lines - Front	45'	Side	60'	Rear
Side	116'			
Total Building Height	16'	Number of Stories	1	Heated Floor Area
Permits	304			1457
				5/12
				Roof Pitch

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

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

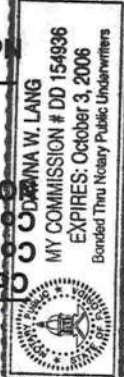
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Agent (Including Contractor) Kevin Bedenbaugh

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 24th day of October 2005.

Personally known ☒ or Produced Identification ☒ FL#B351-512-81-37-0 Exo 04-17-05



Contractor Signature Kevin Bedenbaugh
Contractors License Number AB 06657
Competency Card Number
Notary Signature Danna W. Lang
Notary Stamp/Seal

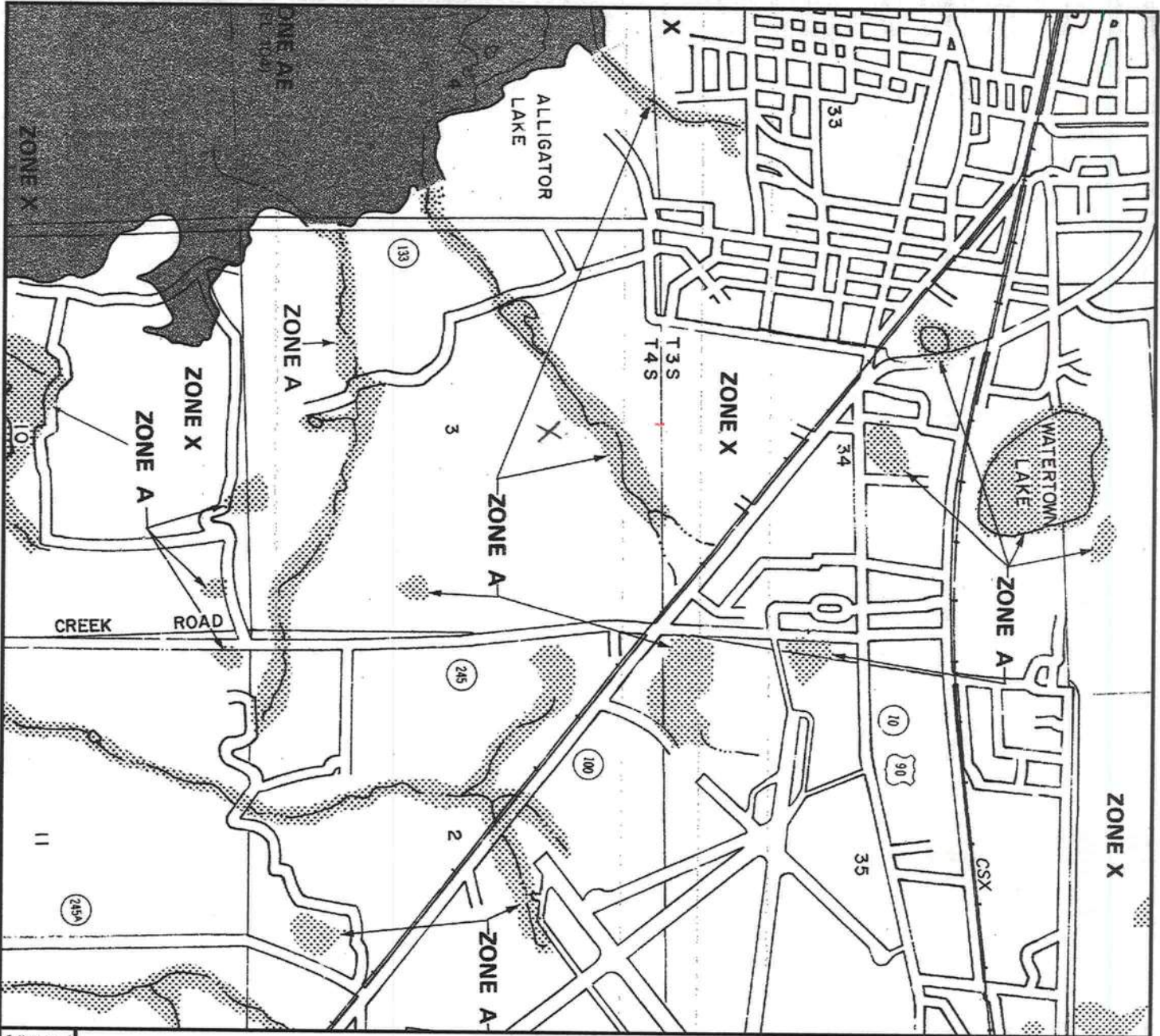


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APPROXIMATE SCALE IN FEET
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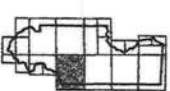
NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 200 OF 300

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0200 B
EFFECTIVE DATE:
JANUARY 6, 1988



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/nifmap.

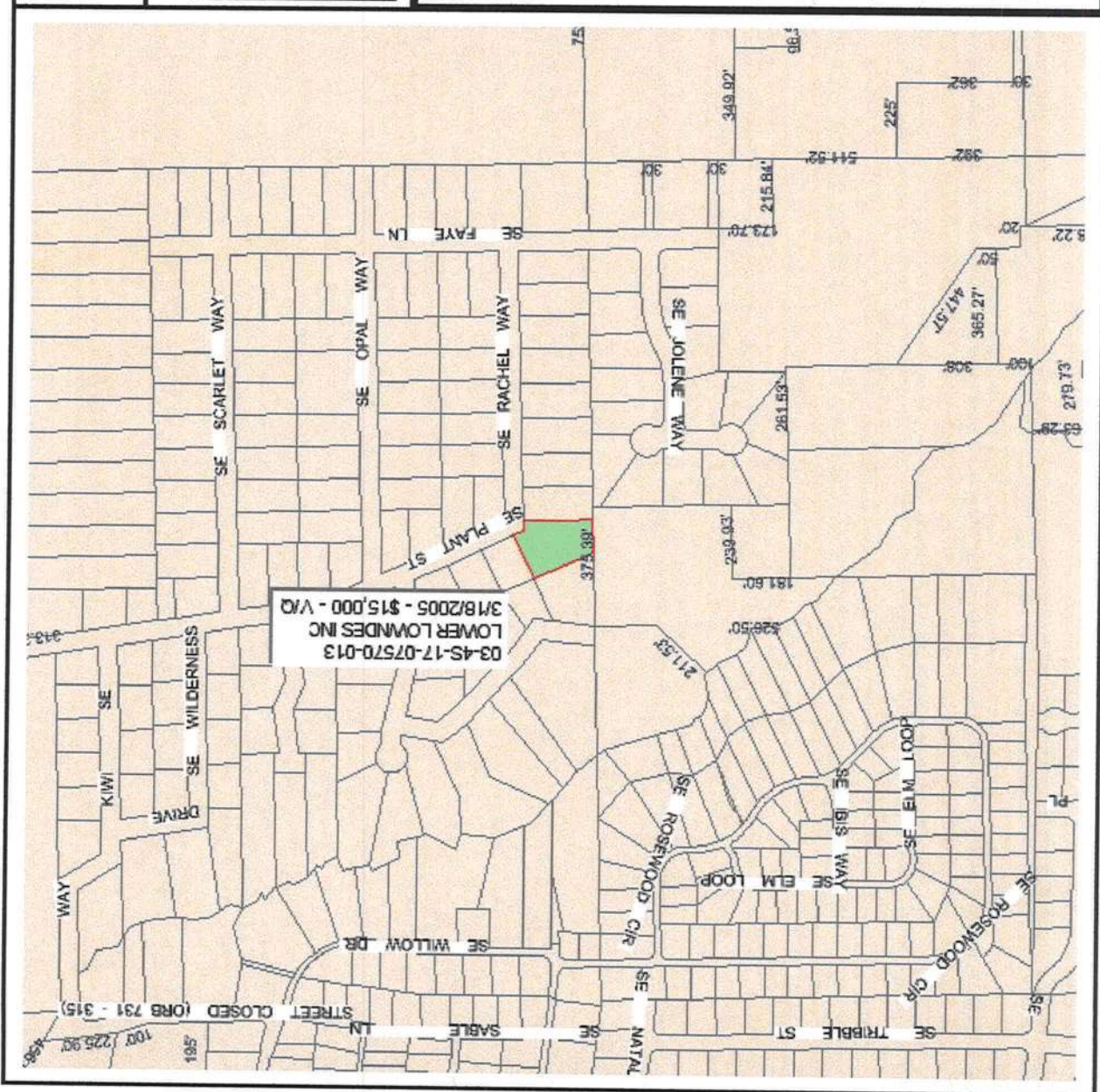
0510-70

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, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Columbia County Property Appraiser
J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083
PARCEL: 03-4S-17-07570-013 - VACANT (000000)
LOT 13 SUZANNE S/D UNIT 1, ORB 522-434, 909-1512, ORB 1034-1682, WD 1041-1289.

Name: LOWER LOWMEDES INC
Site: 5589 OLD US HWY 41 SOUTH
LAKE PARK, GA 31636
Mail: 3/18/2005 \$15,000.00/V / Q
11/1/2004 \$100.00/V / U
8/24/2000 \$7,000.00/V / Q
Sales Info:
LandVal \$11,475.00
BldgVal \$0.00
ApprVal \$11,475.00
JustVal \$11,475.00
Assd \$11,475.00
Exmpt \$0.00
Taxable \$11,475.00





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THIS INSTRUMENT PREPARED BY
AND RETURN TO:
TITLE OFFICES, LLC
1089 SW MAIN BLVD.
LAKE CITY, FLORIDA 32025

Parcel I.D. #: 07570-013

Inst: 2005024761 Date: 10/05/2005 Time: 14:17

DC, P. Dewitt Cason, Columbia County B: 1060 P: 2417

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713.13, Florida Statutes, the following information is provided in this Notice of Commencement. This Notice shall be void and of no force and effect if construction is not commenced within ninety (90) days after recordation.

1. Description of property: (Legal description of property, and street address if available)
Lot 13, SUZANNE SUBDIVISION, Unit 1, according to the map or plat thereof as recorded in Plat Book 4, Page 91, of the Public Records of Columbia County, FLORIDA.

2. General description of improvement: construction of single family dwelling

3. Owner information:
a. Name and address:
KEVIN BEDENBAUGH, SR. and KEVIN
BEDENBAUGH, JR.
P.O. BOX 1416, LIVE OAK, FL 32064
b. Interest in property: Fee Simple
c. Name and Address of Fee Simple Titleholder (if other than owner):

4. Contractor: (Name and Address)
KEVIN BEDENBAUGH, SR. and KEVIN BEDENBAUGH, JR.
P.O. BOX 1416, LIVE OAK, FL 32064
Telephone Number: 386-365-5264

5. Surety (if any):
a. Name and Address:
Telephone Number:
b. Amount of Bond \$

6. Lender: (Name and Address)
FIRST FEDERAL SAVINGS BANK OF FL.
PO BOX 2029, LAKE CITY, FL 32056
Telephone Number: 386-755-0600

7. Persons within the State of Florida designated by Owner upon whom notice or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: (Name and Address)
N/A

8. In addition to himself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (Name and Address)
FIRST FEDERAL SAVINGS BANK OF FL.
PO BOX 2029, LAKE CITY, FL 32056
Telephone Number: 386-755-0600

9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified)

KEVIN BEDENBAUGH, SR. {SEAL}

KEVIN BEDENBAUGH, JR. {SEAL}

Sworn to and subscribed before me this 4th day of October, 2005, by KEVIN BEDENBAUGH, SR. and KEVIN BEDENBAUGH, JR., who are personally known to me or who have produced as identification.

Notary Public
My Commission Expires:

Martha Bryan
Commission # DD232534
Expires August 10, 2007
Bonded by Farm - Insurance, Inc. 000365-7018



The foregoing instrument was acknowledged before me this 15th day of July, 2005, by
MARVIN PEAVEY, JR. as PRESIDENT of LOWER LOWNDES, INC., a Georgia Corporation.
My commission expires
Notary Public
[Signature]

STATE OF FLORIDA
COUNTY OF COLUMBIA

[Signature]
Bonita Hudwin
Printed Name
[Signature]
Brenda Soudage
Printed Name
[Signature]
Brenda Soudage
Printed Name

By: *[Signature]*
Name: MARVIN PEAVEY, JR.
Title: PRESIDENT
L.S.

Signed, sealed and delivered in the presence of:

And the grantor hereby covenants with said grantees that it is lawfully seized of said land in fee simple; that it has good right and lawful authority to sell and convey said land, and 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 caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its proper officers therunto duly authorized, the day and year first above written.

Together with all the 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 grantees that it is lawfully seized of said land in fee simple; that it has good right and lawful authority to sell and convey said land, and 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.

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In Witness Whereof, the said grantor has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its proper officers therunto duly authorized, the day and year first above written.

This Instrument Prepared by & return to:
Bonita Hudwin, an employee of
TITLE OFFICES, LLC
1089 SW MAIN BLVD.
LAKE CITY, FLORIDA 32025
File No. 05V-06185KW

Inst: 2005017112 Date: 07/20/2005 Time: 11:16
Doc Stamp-Deed : 136.50
DC, P. Dewitt Cason, Columbia County B: 1052 P: 806

Parcel I.D. #: 07570-013
SPACE ABOVE THIS LINE FOR PROCESSING DATA
SPACE ABOVE THIS LINE FOR RECORDING DATA

THIS WARRANTY DEED

Made the 15th day of July, A.D. 2005, by

LOWER LOWNDES, INC., a Georgia Corporation

having its principal place of business at 5589 OLD US HWY 41 SOUTH, LAKE PARK, GA 31636.

hereinafter called the grantor, to

KEVIN BEDENBAUGH, SR. and KEVIN BEDENBAUGH, JR.,

JOINT TENANTS WITH RIGHT OF SURVIVORSHIP

whose post office address is 5928 SW CR 751, Jasper, FL 32052,

hereinafter called the grantees:

(Wherever used herein the terms "grantor" and "grantees" include all the parties to this instrument, singular and plural the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantor, for and in consideration of the sum of \$10,000 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in Columbia County, State of FLORIDA, viz:

Lot 13, SUZANNE SUBDIVISION, Unit 1, according to the map or plat thereof as recorded in Plat Book 4, Page 91, of the Public Records of Columbia County, FLORIDA, SUBJECT TO AN EASEMENT ACROSS THE SOUTH 20 FEET.

Together with all the 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 grantees that it is lawfully seized of said land in fee simple; that it has good right and lawful authority to sell and convey said land, and 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 caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its proper officers therunto duly authorized, the day and year first above written.

Signed, sealed and delivered in the presence of:

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 1787 * Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE ISSUED: October 21, 2005

ENHANCED 9-1-1 ADDRESS:

561 SE PLANT ST (LAKE CITY, FL 32025)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS:

PROPERTY APPRAISER PARCEL NUMBER: 03-4S-17-07570-013

Other Contact Phone Number (If any):

Building Permit Number (If known):

Remarks: LOT 13 SUZANNE S/D UNIT 1

Address Issued By:

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 1787 * Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Posting of Address Numbers in accordance with Ordinance 2001-9, Section 5:

- A. Principal Buildings (residence, apartment building or "In Town" business) shall display the assigned address number made of Arabic numerals not less than 3 inches in height and 1 1/2 inches in width of a contrasting color to the background on which affixed, as near to the front entrance as possible and practical so that the number is visible and legible from the sidewalk (if any), the public or private way on which the principal building fronts and the opposite side of the public or private way, day or night.
- B. Private Lane and Long Driveways: for any principal building (residence, apartment building or business) (except malls or shopping centers) located so that the address number is not clearly legible and visible from the public or private way, shall post an additional set of numbers at the intersection of the driveway to the principal building at the public or private way. The additional address number shall be made up of Arabic numerals not less than 3 inches in height and 1-1/2 inches in width. Numbers shall be contrasting in color with the background on which they are affixed, visible day or night, and placed upon a post or other structure which displays the number so it is visible and legible to emergency services personnel approaching from either direction along the public or private way.
- C. Industrial and Commercial Structures in Low Density Areas: All industrial and commercial structures located in low-density development areas (areas in which small residential style address numbers are not visible from the public or private way) shall display address numbers of not less than 10 inches in height. The numbers shall contrast in color with the background on which they are affixed and shall be visible and legible day or night from the public or private way. When possible, the number shall be displayed beside or over the main entrances of the structure.
- D. Apartment Buildings and High-Rises: All apartment buildings and high-rises style principal buildings shall display address numbers above or to the side of the primary entrance to the Addressed location. Numbers shall contrast with the color of the background to which they are affixed, and shall be at least 6 inches in height and visible and legible day or night. Apartment numbers for individual units within the complex shall be displayed on, above, or to the side of the doorway of each unit. Assigned number shall be displayed on each separate front entrance in the case of a principal building which is occupied by more than one business or family dwelling unit.
- E. Any different numbers, which might be mistaken for or confused with the numbers assigned in accordance with the "Numbering System", shall be removed upon proper display of the assigned address number.
- F. The responsibility of placement and maintenance of the building address numbers is that of the occupant or property owner.

|||||

- | Single Pane | | Double Pane | |
|-------------|---------------------|-------------|---------------------|
| 10a. | R = 0 | 10a. | R = 196 |
| 10b. | R = | 10b. | R = |
| 10c. | R = | 10c. | R = |
| 10d. | R = | 10d. | R = |
| 10e. | R = | 10e. | R = |
| 11a-1 | R = | 11a-1 | R = |
| 11a-2 | R = 11 | 11a-2 | R = 1408 |
| 11b-1 | R = | 11b-1 | R = |
| 11b-2 | R = | 11b-2 | R = |
| 12a. | R = 30 | 12a. | R = 1457 |
| 12b. | R = | 12b. | R = |
| 13. | R = | 13. | R = |
| 14a. | Type: Central | 14a. | Type: Central |
| 14b. | SEER/EER: 12 | 14b. | SEER/EER: 12 |
| 14c. | Capacity: | 14c. | Capacity: |
| 15a. | Type: A - Pump | 15a. | Type: A - Pump |
| 15b. | HSPF/COP/AFUE: 7.7+ | 15b. | HSPF/COP/AFUE: 7.7+ |
| 15c. | Capacity: | 15c. | Capacity: |
| 16a. | Type: B2FC | 16a. | Type: B2FC |
| 16b. | EF: '90 | 16b. | EF: '90 |

Please Print **CK**

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Residential Component Prescriptive Method B
NORTH 1 2 3
FORM 600B-01

TABLE 6B-2 MINIMUM REQUIREMENTS FOR ALL PACKAGES		REQUIREMENTS		CHECK
COMPONENTS		SECTION		
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.	N/A	✓
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%.	N/A	✓
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.	✓	✓

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. 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:

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.

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 ship backups.

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.

Single package units minimum SEER=9.7, HSPF = 6.6. Minimum efficiencies for gas and electric hot water systems apply to 40 gallon water heaters. Refer to Table 6-12 for minimum Code efficiencies for oil water heaters and other sizes.

COMPONENTS		PACKAGES FOR NEW CONSTRUCTION			
GLASS	Max % of glass to Floor Area	15%	15%	20%	25%
	Type	Double Clear (DC)	Double Clear (DC)	Double Clear (DC)	Double Tint (DT)
WALLS	Overhang	1'4"	2'	2'	2'
	Masonry	EXTERIOR AND ADJACENT MASONRY WALLS R-5			
CEILING	Wood	EXTERIOR, ADJACENT, AND COMMON WOOD FRAME WALLS R-11			
	Frame	R-30	R-30	R-30	R-30
FLOORS		(NO SINGLE ASSEMBLY CEILINGS ALLOWED)			
DUCTS	Slab-On-Grade	R-0			
	Raised Wood	R-19 (ONLY STEM WALL CONSTRUCTION ALLOWED EXCEPT PACKAGE C)			
SPACE COOLING (SEER)	Raised Concrete	R-7			
		R-6	R-6	R-6, TESTED	R-6, TESTED
HEAT	Elect. (HSPF)	12.0	10.5	12.0	11.0
	Gas/Oil (AFUE)	7.9	7.1	7.4	7.4
HOT WATER SYSTEM	Electric**	EF .88	NOT ALLOWED	EF .91	NOT ALLOWED
	Gas & Oil**	MINIMUM EF OF .54			
Other		Any of the following are allowed: dedicated heat pump, heat recovery unit or solar system.			

MINIMUM REQUIREMENTS

TABLE 6B-1

Climate Zones 1 2 3

TO BE INSTALLED	15	DC: ☒ DT: ☐	FEET
EXT: R =		ADJ: R =	
COM: R =		ADJ: R =	
EXT: R =		ADJ: R =	
COM: R =		ADJ: R =	
UNDER ATTIC: R = 30		COMMON: R =	
R =	0	R =	
R =		R =	
R =		R =	
COND. ☐		SEER =	12.5
COP =	7.7	AFUE =	
EF =	0.9	EF =	
DHP: ☐		HRU: ☐	
SOLAR: ☐		EF =	

coefficient.

4. The applicable enclosure classifications and, if designing with ASCE 7, internal pressure

wind direction shall be indicated.

3. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable

ASCE 7 and building classification in Table 1-1, ASCE 7.

2. Wind importance factor, IW, and building classification from Table 1604.5 or Table 6-1,

1. Basic wind speed (3-second gust), miles per hour (km/hr).

loads govern the design of the lateral-force-resisting system of the building:

The following information related to wind loads shall be shown, regardless of whether wind

1. 1603.1.4 Wind design data:

reference to this application.

Please include application number 0510-70 when making

On the date of October 26, 2005 application 0510-70 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.

1 of Suzanne Subdivision

Plumb Level Construction Owner Kevin Bedenbaugh Lot 13 Unit

Reference to: Build permit application Number:

0510-70

From: The Columbia County Building Department

Plans Review

135 NE Hernando Av.

P. O Box 1529

Lake City Florida, 32056-1529

5. Components and cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional.

2. On the plans show the shear wall perimeter boundary element.

3. Show on the elevation plan the total height of the structure from the established finished grade.

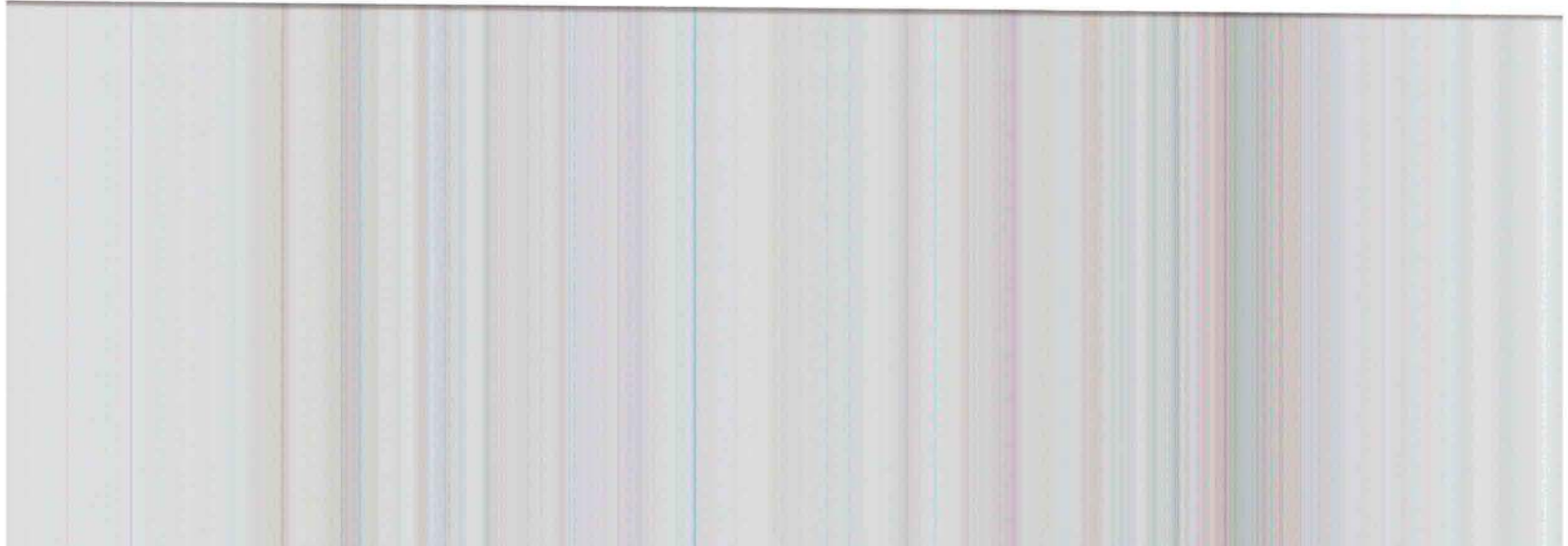
4. Define the type material that will be used for the supporting 8" columns and provide a detail drawing showing the method of attachment of the columns to the foundation and the two 2"x10" header beams to the columns.

5. Show compliance with the 2004 Residential Code R308.4 Hazardous locations. Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers.

Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface. As this code requirement relates to the dwelling bathrooms.

6. Show compliance with the 2004 Residential Code R313.1 Smoke alarms: Smoke alarms shall be installed in the following locations:

1. In each sleeping room.
2. Outside each separate sleeping area in the immediate vicinity of the bedrooms.
3. On each additional story of the dwelling, including basements but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.



When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

7. Show compliance with section R309.1 of the FRC 2004: Opening protection.

Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 13/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 13/8 inches (35 mm) thick, or 20-minute fire-rated doors.

R309.1.1 Duct penetration. Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other approved material and shall have no openings into the garage.

R309.2 Separation required.

The garage shall be separated from the residence and its attic area by not less than 1/2-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch (15.9 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than 1/2-inch (12.7 mm) gypsum board or equivalent.

Thank you,

Joe Haltiwanger
Plan Examiner

Columbia County Building Department



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

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

SIGNED: [Signature] DATE: 1/30/06

COMMENTS: _____

APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

CULVERT WAIVER IS:

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE

PUBLIC WORKS DEPARTMENT USE ONLY

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

SIGNATURE: [Signature]

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.

PARCEL ID # 03-4S-17-07570-013

SUBDIVISION/LOT/BLOCK/PHASE/UNIT SUZANNE S/D 13 1

GOLDIE WAY

LOCATION OF PROPERTY 90 E, TAKE 100, R 245, R PLANT ST, 4TH ON R PAST

CONTRACTOR KEVIN BEDENBAUGH

PHONE 938-5588

ADDRESS 561 SE PLANT ST

LAKE CITY FL 32025

OWNER KEVIN BEDENBAUGH

PHONE 938-5588

ADDRESS PO BOX 1416

LIVE OAK FL 32064

APPLICANT KEVIN BEDENBAUGH

PHONE 938-5588

DATE: 12/30/2005

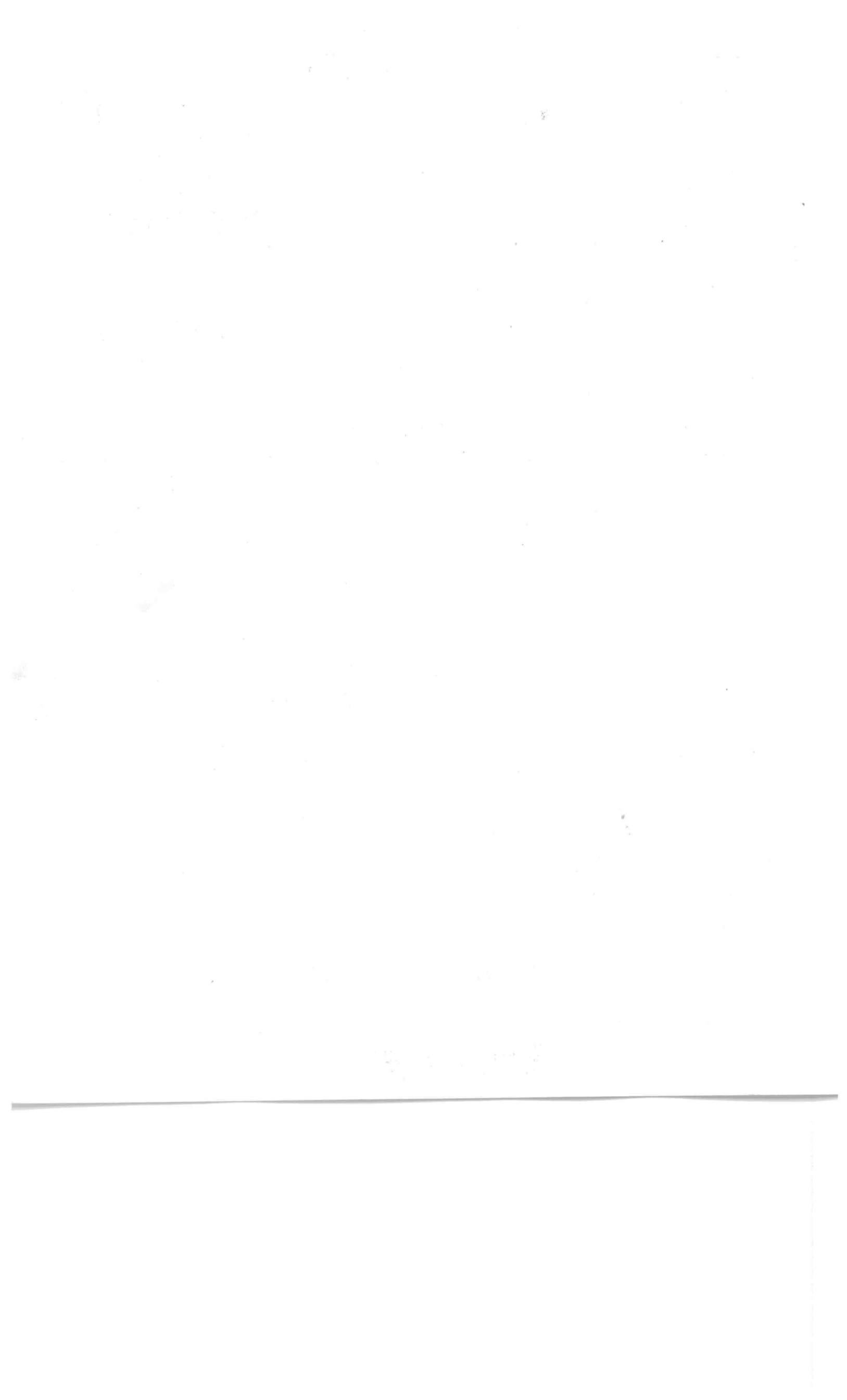
BUILDING PERMIT NO. 24003

Culvert Waiver

Columbia County Building Department

Attn: Wiegie

Culvert Waiver No. 000000933



CERTIFICATE OF OCCUPANCY

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 03-4S-17-07570-013

Building permit No. 000024003

Use Classification SFD, UTILITY

Fire: 35.52

Permit Holder KEVIN BEDENBAUGH

Waste: 73.50

Owner of Building KEVIN BEDENBAUGH

Total: 109.02

Location: 561 SE PLANT STREET

Date: 04/05/2006

Harry Dickson

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



COASTAL RESOURCES ENGINEERING, LLC.

114b West Green Street
P.O. Box 1034, Perry, FL 32348
Telephone: (850) 584-4408
E-mail: laurib@gctcom.net

November 4, 2005

Mr. Joe Halitwanger, Plans Examiner
Columbia County Building Department
P.O. Box 1529
Lake City, FL
32056-1529

Re: Kevin Bedenbaugh Home
Application Number 0510-70

Dear Mr. Halitwanger,

This letter is an Addendum to the Plans I certified for the referenced home. The contractor must follow the additional requirements in this Addendum in building the home. The additional information and requirements below follow the order of the plans review comments we received from you.

1. Wind Design Data
 - The Basin Wind Speed (3-second gust) - 100 mph
 - Wind Importance Factor - 1.0, Building Classification II
 - Wind Exposure - B
 - Category - Enclosed, GC = ± 0.18
 - C&C Window and Door Pressure = - 30 psf

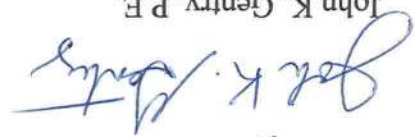
2. The total length of the shear wall perimeter boundary is 86 ft.
 3. With a foundation that is 3 blocks high, the total height of the structure from finished grade is 19' - 2".
 4. 4x 4 PT posts will be utilized in lieu of the columns to support the rear porch. Simpson ABU44Z bases are required to attach the posts to the stemwall. Simpson BC4Z caps will attach the posts to the porch headers.
 5. Glazing is required in the bathrooms on enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers where the enclosure is less than 60 inches measured vertically above any standing or walking surface.
 6. Smoke alarms must be installed in the following locations.
 - In each sleeping room
 - Outside each separate sleeping area in the immediate vicinity of the bedroom.
- The alarms must be interconnected in such a manner that the actuation of one alarm

will activate all of the alarms in the individual unit. The alarms shall be clearly audible over background noise.

7. The door opening between the garage and the hallway must be equipped with a solid wood or solid or honeycomb steel door not less than 1-3/8" thick, or a 20-minute fire-rated door. Ducts in the garage, and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage sheet steel or other approved material and shall not have openings into the garage. The garage shall be separated from the residence and its attic area by not less than 1/2" gypsum board applied to the garage wall.

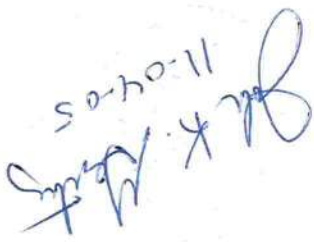
If you have any questions or require further information please contact me at 850/584-4408.

Sincerely,



John K. Gentry, P.E.

Cc: Plumb Level Construction
Jodi Cooper


11-04-05

Handwritten text, likely bleed-through from the reverse side of the page. The text is faint and mostly illegible due to the quality of the scan. It appears to be a list or a series of notes, possibly related to a study or a project. The handwriting is cursive and somewhat slanted.

** LAMAR BOOZER **
900 EAST PUTNAM STREET
LAKE CITY, FL 32055

PROJECT: CUSTOM
CLIENT: PLUMB LEAVEL
DATE: 9 19 05

RESIDENTIAL/LIGHT COMMERCIAL HVAC LOADS

DESIGNER: LAMAR BOOZER

CLIENT INFORMATION:

NAME: PLUMB LEAVEL
ADDRESS:
CITY, STATE: LAKE CITY, FLORIDA

TOTAL BUILDING LOADS:

BLDG. LOAD DESCRIPTIONS	AREA QUAN	SEN. LOSS	LAT. + GAIN	SEN. = GAIN	TOTAL GAIN
3-C WINDOW DBL PANE CLR GLS METL FR	85	2,773	0	2,964	2,964
12-D WALL R-11 +1/2"ASPHLT BRD(R-1.3)	1,219	4,389	0	2,400	2,400
11-C DOOR METAL POLYSTYRENE CORE	40	846	0	462	462
16-G CEILING R-30 INSULATION	1,457	2,627	0	2,627	2,627
22-A SLAB ON GRADE NO EDGE INSUL	111	4,046	0	0	0
SUBTOTALS FOR STRUCTURE:	2,912	14,681	0	8,453	8,453
PEOPLE	10	0	0	3,000	3,000
APPLIANCES	0	0	800	1,500	2,300
DUCTWORK	0	734	0	1,841	1,841
INFILTRATION W.CFM: 0.0 S.CFM: 235.9	0	0	7,859	5,449	13,308
VENTILATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
SENSIBLE GAIN TOTAL				20,243	
TEMP. SWING MULTIPLIER				X 1.00	
BUILDING LOAD TOTALS		15,415	8,659	20,243	28,902

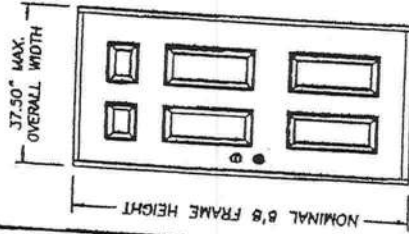
SUPPLY CFM AT 20 DEG DT: 920 CFM PER SQUARE FOOT: 0.520
SQUARE FT. OF ROOM AREA: 1,457 SQUARE FOOT PER TON: 734.482

TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 15.415 MBH
TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 2.409 TONS

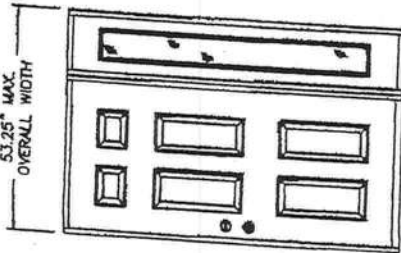
CALCULATIONS ARE BASED ON 7TH EDITION OF ACCA MANUAL J.
ALL COMPUTED RESULTS ARE ESTIMATES AS BUILDING USE AND WEATHER MAY VARY.
BE SURE TO SELECT A UNIT THAT MEETS BOTH SENSIBLE AND LATENT LOADS.

CONSTRUCTION SERIES®

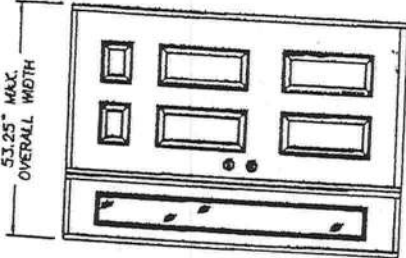
OPAQUE INSULATED STEEL DOOR
OUT-SWING / IN-SWING 6-8 UNITS W/ & W/O SIDELITES



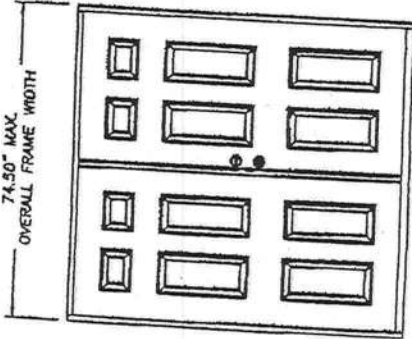
DESIGN PRESSURE RATING
OUT-SWING / IN-SWING POS. 67.0 NEG. 67.0



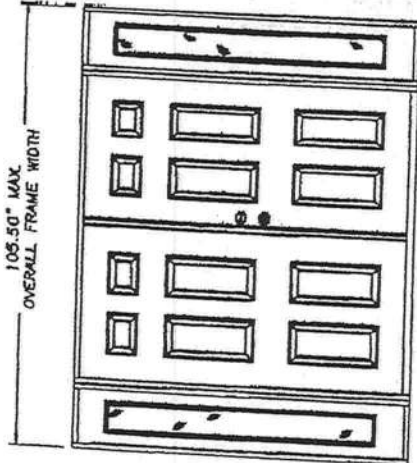
DESIGN PRESSURE RATING
OUT-SWING / IN-SWING POS. 60.0 NEG. 60.0



DESIGN PRESSURE RATING
OUT-SWING / IN-SWING POS. 60.0 NEG. 60.0



ASTRALGAL TYPE	DESIGN PRESSURE RATING
Coated Alum. Astragal	OUT-SWING / IN-SWING POS. 60.0 NEG. 60.0
* Standard Alum. Astragal	OUT-SWING / IN-SWING POS. 40.0 NEG. 40.0



ASTRALGAL TYPE	DESIGN PRESSURE RATING
Coated Alum. Astragal	OUT-SWING / IN-SWING POS. 60.0 NEG. 60.0
* Standard Alum. Astragal	OUT-SWING / IN-SWING POS. 40.0 NEG. 40.0

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE FLORIDA BUILDING CODE.
2. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS.
3. THE SIDELITES REQUIRE WINDBORNE DEBRIS EXTERNAL PROTECTION AS DESCRIBED IN SECTION 1926.1 OF THE FLORIDA BUILDING CODE WHEN USED IN WINDBORNE DEBRIS AREAS.
4. FOR INSWING MASONRY ANCHORING SEE SHEET 2 OF 4.
5. FOR OUTSWING MASONRY ANCHORING SEE SHEET 3 OF 4.
6. FOR INSWING/OUTSWING WOOD STUD ANCHORING SEE SHEET 4 OF 4.

PRODUCT DESCRIPTION

1. THE DOOR FACE SHEETS ARE 25 GA (0.0187) MIN. THICKNESS.
2. THE STILES AND RAILS ARE WOOD CONSTRUCTION.
3. THE INTERIOR DOOR CAVITY IS URETHANE.
4. THE SIDELITE GLAZING IS 0.5" INSULATED TEMPERED GLASS BY THERMA-TRU.
5. THE WOOD JAMBS ARE A MIN. 4-9/16".
6. THE THRESHOLD IS AN ALUMINUM BUMP FACE TYPE (OUTSWING) OR AN ALUMINUM SADDLE TYPE (INSWING).
- *7. THE STANDARD ALUMINUM ASTRALGAL UTILIZES 7.5" LONG x 0.312" DIA. STEEL ROD WITH A 6.0" LONG ALUMINUM SLIDE ROD REINFORCEMENT BAR TOP AND BOTTOM.
8. ALL LATCHBOLT AND DEADBOLT HARDWARE MUST BE CYLINDRICAL GRADE 8 WITH A 181 EDGE PREP AND A MINIMUM 1.0" DEADBOLT THROW.

[Signature]

AUGUST 12, 2002

Lyndon F. Schmidt
Florida P. E. No. 43409
19506 French Lane Drive Lotz, FL 33558

THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE

PRODUCT: WOOD EDGE STEEL DOOR
OPAQUE W/NO SIDELITES
PART OR ASSEMBLY:

613.859.819

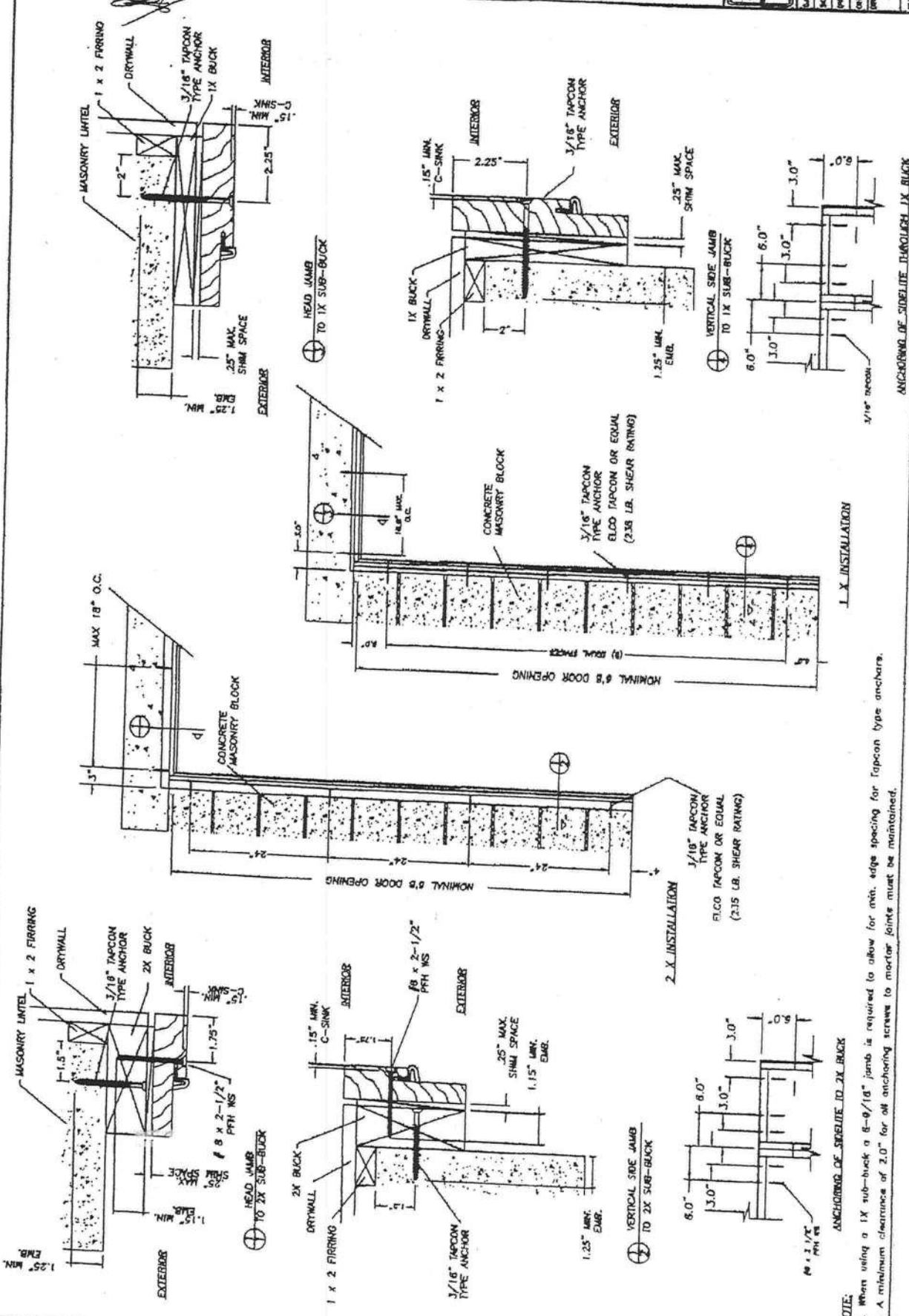
DATE: 7/30/02
SCALE: N.T.S.
DWG. BY: WLN
CHK. BY: RW
SHEET NO.:
TT-108-01
SHEET 1 OF 4

Lyndon F. Schmidt
Florida P. E. No. 43409

THEMA-TRU CORPORATION
1687 WOODLANDS DRIVE
MAUMEE, OHIO

ANCHOR CROSS SECTIONS
MASONRY 6.8
OUT-SWING WOOD FRAME

DATE: 7/30/02
SCALE: NTS
WKS BY: WLN
CHK BY: RW
DRAWING NO.: 17-109-0C
SHEET 3 OF 4



NOTE:
1. Where using a 1X sub-buck a 6-0/18\" jamb is required to allow for min. edge spacing for Tapcon type anchors.
2. A minimum clearance of 2.0\" for all anchoring screws to mortar joints must be maintained.

ANCHORING OF SIDEITE THROUGH 1X BUCK

Report No. ETC 01-741-10622.0
DC Notification Number ETC 01018 - Date: May 25, 2001
ETC Certification # 99-0416.01
Test Start Date: March 23, 2001
Test End Date: May 1, 2001

Test Requested By: THERMA TRU CORP

108 Murtzfeld Rd.
Butler, IN 46721
Phone 219 - 868 - 5811
Facsimile 219 - 868 - 5190

Tests Conducted:

PA 201, PA 202 & PA 203 (with no deviations)

Design Pressures:

Specimen 1	(PA 202)	Out-swing	+ 67.0 psf.
Specimen 2,	(PA 202)	In-swing	+ 67.0 psf.
Specimen 5	(PA 201 & 203)	In-swing	+ 67.0 psf.
Specimens 3 & 4	(PA 201 & 203)	Out-swing	+ 67.0 psf.

Section 1 - DESCRIPTION OF SERIES:

Model Designation - Therma-Tru Construction Series Opaque Wood Edge Steel Door

Overall Size:

Specimens 1, 3 & 4 - Out-swing Bumper Threshold - 37.5 in. W. x 80.5 in. H. x 4.6 in. D
Specimens 2 & 5 - In-swing Saddle Threshold - 37.5 in. W. x 82.0 in. H. x 4.6 in. D

Configuration:

All Specimens are operable (X)

No. & Size of Boor: All Specimens are opaque door panels
1 active leaf - 36.0 in. W x 79.25 in. H

Section 2 - MATERIAL CHARACTERISTICS:

Frame and Door Material: Finger jointed pine jambs and steel panels.

Florida Registered Professional Engineers Review:

Reg. # 42929, May 25, 2001 - Joseph L. Doldan

Signature:

Joseph L. Doldan

8-701

Section 2 - MATERIAL CHARACTERISTICS

Cont:

The head jamb and side jamb are finger jointed pine measuring 4.656 in. W. x 1.211 in. Thk. The head jamb and side jamb are mortised, butted and joined using (3) 0.5 in. Crown x 2 in. - 16 ga. wire staples at each end. The following thresholds were tested, specimens 1, 3 & 4 - Thermo-Tru Aluminum Out-swing Bump measuring 4.602 in. x 0.837 in. and attached to the jamb with an add-on high dam sill that increased the height of the original bump threshold to 1.878 in. at the inner most plane of the frame system. Specimens 2 & 5 - Self-adjusting In-swing saddle threshold (Alum/Wood/Vinyl) measuring 5.767 in. x 1.548 in. and attached to the jamb with (2) 0.5 in. Crown x 2.5 in. - 16 ga. wire staples at each end. Specimen 1A was affixed with a self-locating hinges located at 9.25 in., 38.5 in. and 67.75 in. from the top of the door jamb.

Panel Construction:

The panel is constructed from 25 Ga. (0.018 in. min. thick) galvanized and primed coated steel face sheets. The interior cavity of each door is filled with BASF polyurethane foam. The face sheet edges are roll formed to form a mechanical interlock with the hinge (1.234 in. thick x 1.660 in. wide) and latch finger sheets. The top rail is finger jointed pine (0.789 in. thick x 1.660 in. wide). The stiles are machined to interlock with the steel face composite (0.892 in. thick by 1.660 in. wide) and kerfed to receive a door sweep (sweep used on in-swing models only). The stiles and rails are pressure fitted and contact cement is used to secure them to the steel face sheets. The hinge stile was mortised at 8.375 in., 37.625 in. and 66.875 in. from the top of the door panel to receive 3 Thermo-Tru 4.0" x 4.0" butt type hinges.

Glazing:	N/A
Glazing Material:	N/A
Glazing Method:	N/A
Davlight Opening:	N/A
Weather-stripping:	

Specimens 1, 3 & 5

Hinge Jamb 1 pc Thermo-Tru long reach foam compression weather-strip.
Latch Jamb 1 pc Thermo-Tru long reach foam compression weather-strip.
Head Jamb 1 pc Thermo-Tru long reach foam compression weather-strip.
Corner pad seals 2 - 1 at each side jamb at threshold

Specimens 2 & 4

Hinge Jamb 1 pc Thermo-Tru short reach foam compression weather-strip.
Latch Jamb 1 pc Thermo-Tru short reach foam compression weather-strip.
Head Jamb 1 pc Thermo-Tru short reach foam compression weather-strip.
Corner pad seals 2 - 1 at each side jamb at threshold

Specimens 1, 3 & 4 -

Out-swing Bump threshold 1 row Thermo-Tru vinyl bulb weather-strip.
Thermo-Tru vinyl fixed door bottom sweep.

Specimens 2 & 5 -

Thermo-Tru vinyl fixed door bottom sweep.

Section 2 - MATERIAL CHARACTERISTICS (Cont.):

Hardware: (1) Kwikset 700 Series Latchbolt at 44.0 in. from top of panel.
(The strikeplate was attached to the jamb with (2) #8 x 2.5 in. PFH WS.)
(1) Kwikset 700 Deadbolt at 38.5 in. from top of panel.
(The strikeplate was attached to the jamb with (2) #8 x 2.5 in. PFH WS.)
(3) Thermo-Tru 4 in. butt type hinges
(The hinge was fastened to the door panel with (4) #10 x 0.75 in. PFH WS and
(1) #10 x 2.0 in. PFH WS.)

Weepholes:

None

Muntins:

None

Reinforcement:

None

SEALANT:

Latex caulking as needed to seal unit into rough opening.

ADDITIONAL DESCRIPTION:

All specimens were installed in a wood test buck.

Section 3 - INSTALLATION:

Screws and Method of Attachment:

Specimens 1, 2, 3, 4 & 5

14 - # 8 x 2.5 in. PFH WS, used to fasten the frame to the wood buck at head and side jambs.

(2) header - one at 6.0 in. from each end.

(6) hinge and latch jamb - In-swing one at 6.0 in. from each end and (4) additional at 14.0 in. on center.
Out-swing one at 6.0 in. from each end and (4) additional at 13.75 in. on center.

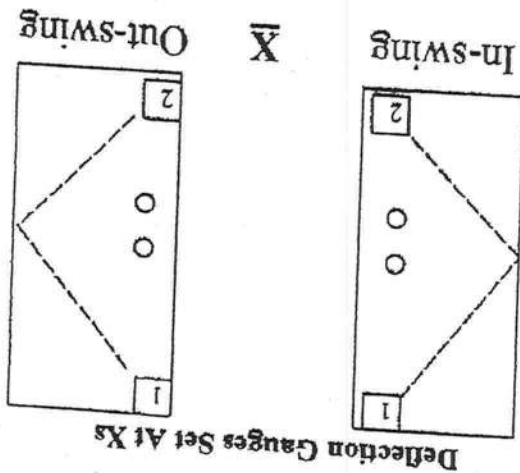
(3) threshold - 6.0 from each end and one in the center.

Note - Specimens 2 and 5 (in-swing) were not attached to the wood buck with any screws.

Section 4 - SEQUENCE OF TESTS PERFORMED:

Test Sequence: PA 202

1. Air Infiltration
2. 1/2 Test Pressure Positive
3. Design Pressure Positive
4. 1/2 Test Pressure Negative
5. Design Pressure Negative
6. Water Infiltration Positive Direction
7. Full Test Pressure Positive
8. Full Test Pressure Negative
9. Forced Entry



Deflection was measured with two (2) Aerospace 2.0" dial indicators: location # 1-SN 213293 and location # 2-SN213848.

TEST RESULTS:

AIR INFILTRATION

Air Infiltration Tests were conducted in accordance with DCBCCD PA 202-94

Air at 1.57 psf	
Specimen 1	Specimen 2
Out-swing	In-swing
0.02 CFM/SQ FT	0.17 CFM/SQ FT
Actual	
	Allowable
	0.34 CFM/SQ FT
	0.34 CFM/SQ FT

WATER INFILTRATION TEST

Water Infiltration Test was conducted in accordance with DCBCCD PA 202 - 94

Specimen 1	Specimen 1A	Specimen 2
Out-swing	Out-swing	In-swing
Water @ 8.25 psf for 15 min.	Water @ 10.0 psf for 15 min.	Water @ 2.86 psf for 15 min.
No water penetration over sill.	No water penetration over sill.	No water penetration over sill.

Note: Specimen 1 (remained 1A for water test) was affixed with an add on prototype threshold increasing the inner plane of the threshold to 1.875 in. above floor to achieve the higher water test pressure of 10.0 PSF.

Florida Registered Professional Engineers Review:

Signature:

Reg. # 42929, May 25, 2001 - Joseph L. Doidan

8-7-01

TEST RESULTS Cont.:

STATIC AIR PRESSURE TESTS

Static Tests were conducted in accordance with DCBCCD PA 202-94

Specimen 1 (out-swing) Design Loads + 67.0 psf, - 67.0 psf.

Positive loads					Negative loads														
Range of test		Time (Sec.)		Load (psf)		Deflection (in.)		Perm. Set (in.)		Range of test		Time (Sec.)		Load (psf)		Deflection (in.)		Perm. Set (in.)	
Test		30		100.50		Door T (1) 0.389		0.015		Test		30		100.50		Door T (1) 1.750		0.281	
Design		30		67.00		Door B (2) 0.372		0.016		Design		30		67.00		Door B (2) 1.650		0.257	
1/2 Test		30		50.25						1/2 Test		30		50.25					

(1) Door T - Max. allowable perm. set at completion of test load (0.4% of span). $.004 \times 79.25 \text{ in.} = 0.317 \text{ in.}$
 (1) Door T - Max. allowable perm. set at completion of test load (0.4% of span). $.004 \times 79.25 \text{ in.} = 0.317 \text{ in.}$

Specimen 2 (In-swing) Design Loads + 67.0 psf, - 67.0 psf.

Range of test		Positive loads		Negative loads		Range of test	
Time (Sec.)	Load (psf)	Time (Sec.)	Load (psf)	Time (Sec.)	Load (psf)	Time (Sec.)	Load (psf)
30	50.25	30	50.25	30	50.25	30	50.25
30	67.00	30	67.00	30	67.00	30	67.00
30	100.50	30	100.50	30	100.50	30	100.50
Door T (1) 1.610		Door T (1) 1.610		Door T (1) 0.395		Door T (1) 0.395	
Door B (2) 1.510		Door B (2) 1.510		Door B (2) 0.365		Door B (2) 0.365	
Deflection (in.)		Deflection (in.)		Deflection (in.)		Deflection (in.)	
Perm. Set (in.)		Perm. Set (in.)		Perm. Set (in.)		Perm. Set (in.)	
0.274		0.274		0.012		0.012	
0.251		0.251		0.010		0.010	

(1) Door T - Max. allowable perm. set at completion of test load (0.4% of span) $.004 \times 79.25 \text{ in.} = 0.317 \text{ in.}$
 (1) Door T - Max. allowable perm. set at completion of test load (0.4% of span) $.004 \times 79.25 \text{ in.} = 0.317 \text{ in.}$

Florida Registered Professional Engineers Review:

Signature:

Reg. # 42929, May 25, 2001 - Joseph L. Doldan

8-7-8

TEST RESULTS Cont:

FORCED ENTRY TEST

Forced Entry Test was conducted in accordance with DCBCCD PA202-94

Specimen	Size	Time	Result
Specimen 1	37.5 in. W x 80.5 in. H	30 seconds	(Doors remained locked & shut)
Specimen 2	37.5 in. W x 82.0 in. H	30 seconds	(Doors remained locked & shut)

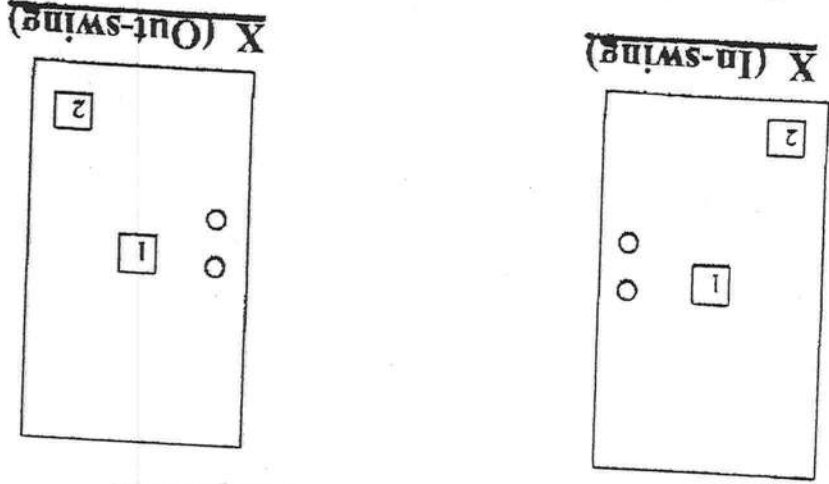
NOTE: Active door panel remained engaged and was operable before and after all tests.

IMPACT TEST - LARGE MISSILE

Impact tests were conducted in accordance with DCBCCD PA 201-94.

Note:
X measurement from left edge of specimen.
Y measurement from top edge of test specimen.

Type and weight of missile: # 2 Southern Yellow Pine, Nominal 2x4,
Length approx. 88.25 in., Weight - 9 lb.



Specimen 3 Opaque Single Door (Out-swing)

Impact No.	Impact Loc.	Speed (Ft/Sec)	X-Meas. (in.)	Y-Meas. (in.)
1.	1	50.1	16.75	40.25
2.	2	50.2	28.75	71.00

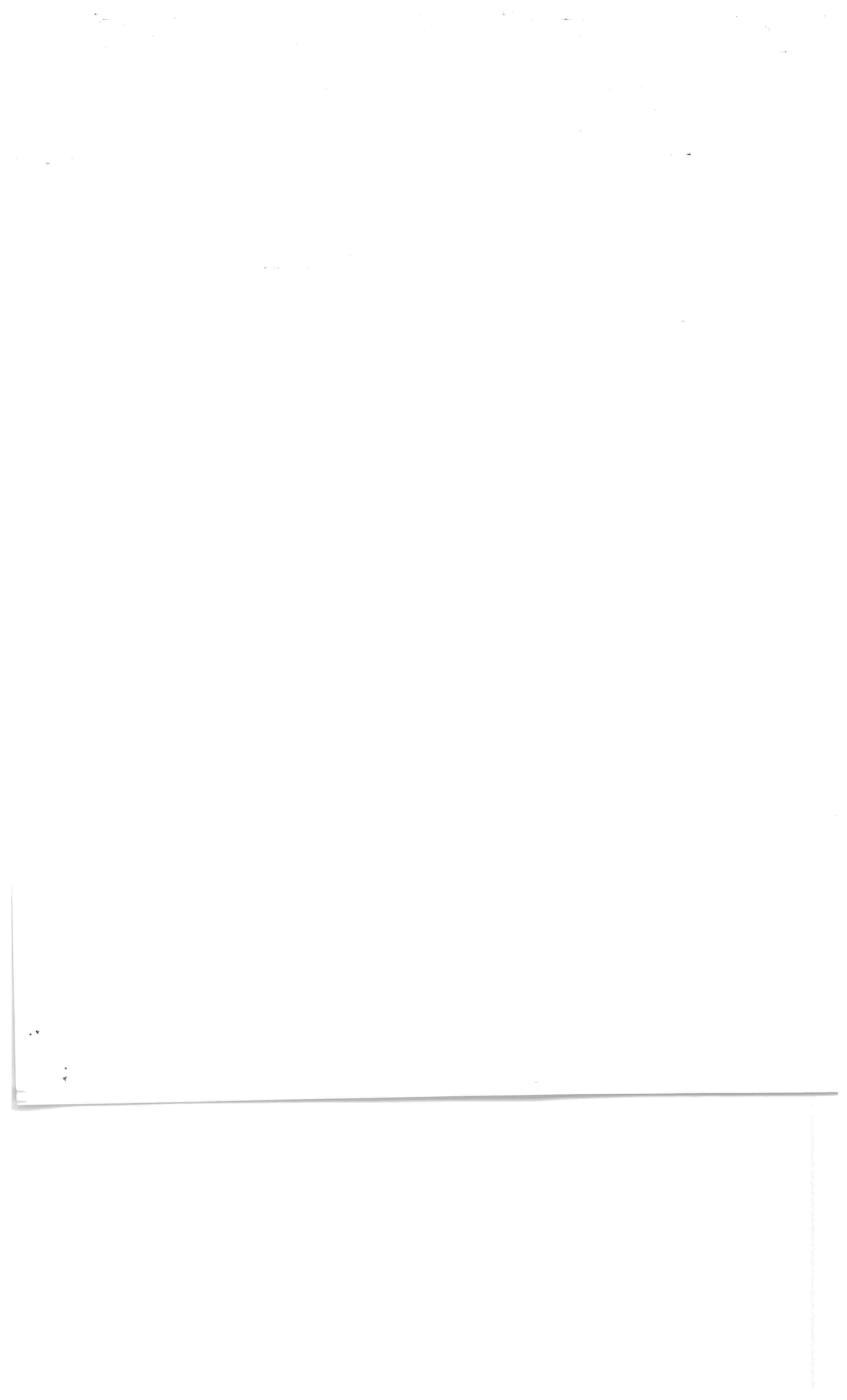
None of the impacts penetrated the specimen and all locks remained engaged.

Florida Registered Professional Engineers Review:

Signature:

Reg. # 42929, May 25, 2001 - Joseph L. Doldan

P-7-01



TEST RESULTS

Cont:

IMPACT TEST - LARGE MISSILE

Cont:

Specimen 4 Opaque Single Door (Out-swing)

Impact No.	Impact Loc.	Speed (Ft/Sec)	X-Meas (in.)	Y-Meas (in.)
1	1	50.1	18.0	40.0
2	2	50.0	28.5	72.5

None of the impacts penetrated the specimen and all locks remained engaged.

Specimen 5 Opaque Single Door (In-swing)

Impact No.	Impact Loc.	Speed (Ft/Sec)	X-Meas (in.)	Y-Meas (in.)
1	1	50.2	16.75	39.50
2	2	50.1	8.0	72.0

None of the impacts penetrated the specimen and all locks remained engaged.

FATIGUE LOADING TEST

Cycle tests were conducted in accordance with DCBCCD PA 203

Specimen 3

Design Load psf = + 67.0 psf, - 67.0 psf

Positive Loads				
Range of Test	# Cycles	Load (psf)	Cycles/Min	
+ 0 to 0.5	600	33.5	23	
+ 0 to 0.6	70	40.2	23	
+ 0 to 1.3	1	87.1	23	
671 cycles completed				

Negative Loads				
Range of Test	# Cycles	Load (psf)	Cycles/Min	
+ 0 to 0.5	600	33.5	23	
+ 0 to 0.6	70	40.2	23	
+ 0 to 1.3	1	87.1	23	
671 cycles completed				

Florida Registered Professional Engineers Review:

Signature:

Reg. # 42929, May 25, 2001 - Joseph L. Doldan

8-7-01

TEST RESULTS Cont.:

FATIGUE LOADING TEST (Cont.)

Specimen 4
Opaque Single Door (Out-swing)
Design Load psf = + 67.0 psf, - 67.0 psf

Positive loads			
Range of Test			
+ 0 to 0.5	600	# Cycles	671 cycles completed
+ 0 to 0.6	70		
+ 0 to 1.3	1		
Load (psf)			
33.5			
40.2			
87.1			
Cycles/Min.			
23			
23			

Negative Loads			
Range of Test			
+ 0 to 0.5	600	# Cycles	671 cycles completed
+ 0 to 0.6	70		
+ 0 to 1.3	1		
Load (psf)			
33.5			
40.2			
87.1			
Cycles/Min.			
23			
23			

Specimen 5
Opaque Single Door (In-swing)
Design Load psf = + 67.0 psf, - 67.0 psf

Positive loads			
Range of Test			
+ 0 to 0.5	600	# Cycles	671 cycles completed
+ 0 to 0.6	70		
+ 0 to 1.3	1		
Load (psf)			
33.5			
40.2			
87.1			
Cycles/Min.			
23			
23			

Negative Loads			
Range of Test			
+ 0 to 0.5	600	# Cycles	671 cycles completed
+ 0 to 0.6	70		
+ 0 to 1.3	1		
Load (psf)			
33.5			
40.2			
87.1			
Cycles/Min.			
23			
23			

Specimens showed no resultant failure or distress after cycle test. No failure of fasteners. Locks remained engaged. There were no cracks longer than 5 in. x 1/16 in. through which air could pass observed. The door was operable at end of test.

Florida Registered Professional Engineers Review:

Reg. # 42929, May 25, 2001 - Joseph I. Doldan

Signature:

Joseph I. Doldan

8-7-01

Section 5 - DRAWINGS TO BE SUBMITTED:

1. L-2110 sheets 1 through 10 of 10
2. Laboratory Anchor Sketch

Comment: Nominal 2 mil polyethylene film was used to seal against air leakage during structural loads. The film was used in a manner that did not influence the test results.

Observers:

Steve Kepler - Project Scientist, THERMA-TRU Corp.
Rick Wright - Consultant, R.W. Building Consultants, Inc.

Dade County Witness:

Not present

All Tests Witnessed by:

Joseph L. Doldan, P.E.
Arthur Murray, ETC Laboratories
Bill Yanda, ETC Laboratories

cc:

THERMA TRU CORP.

Rick Wright

File

- (2)
- (2)
- (1)

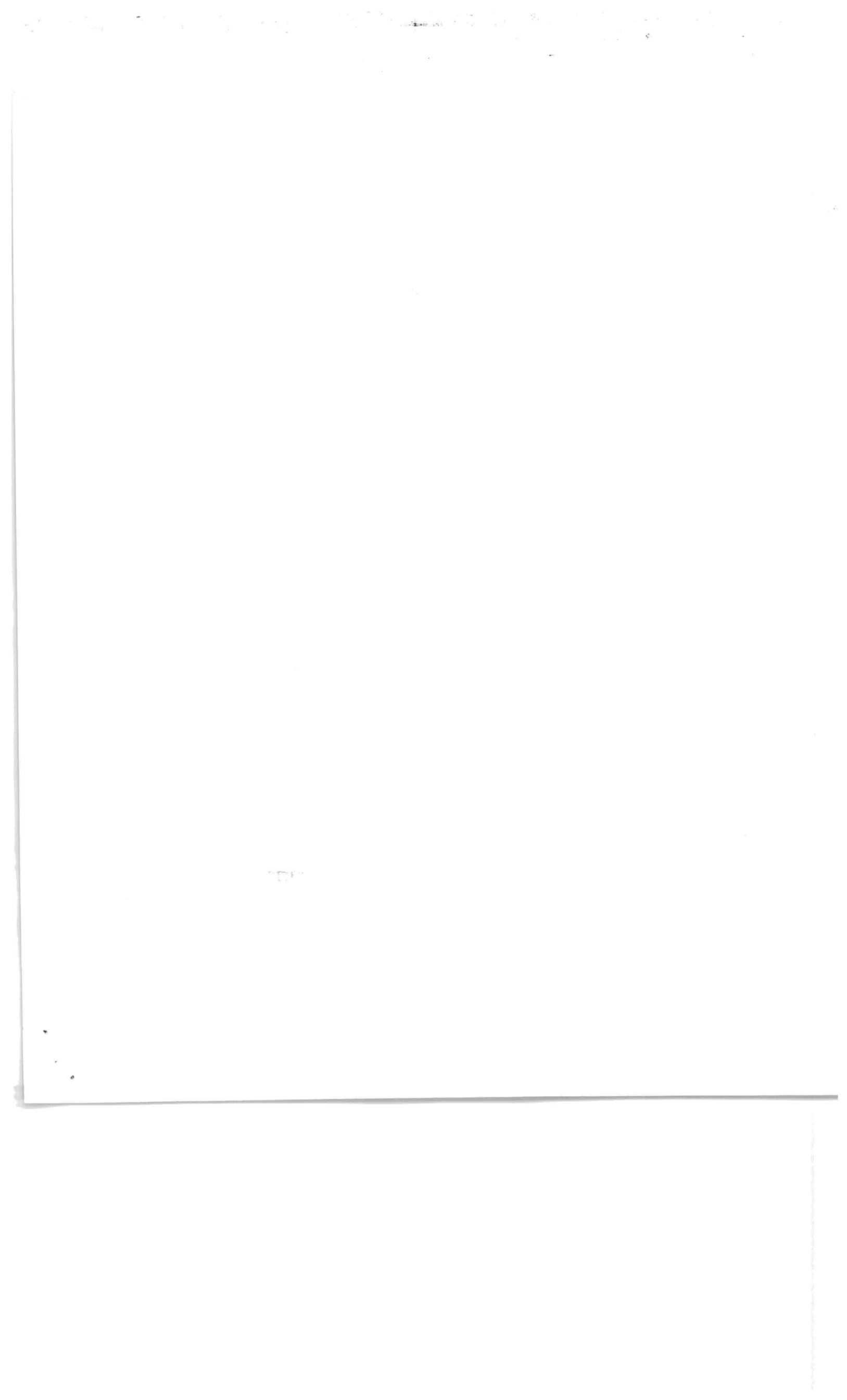
Florida Registered Professional Engineers Review:

Reg. # 42929, May 25, 2001 - Joseph L. Doldan

Signature:

Joseph L. Doldan

8-7-01



Conditions, Terms, and General Notes Regarding These Tests

The product tested has been compared to the detailed drawings, bill of materials and fabrication information supplied by the client so named herein. Our analysis, which includes dimensional and component description comparisons, indicate the tested product and engineering information supplied by the client "Are Equivalent". The report and representative samples will be retained for four years from the date of initial test.

These test results were obtained by employing all requirements of the designated test methods with no deviations. The test results and specimen supplied for testing are in compliance with the referenced specifications.

The test results are specific to the product tested by this laboratory and of the sample supplied by the client named herein, and they relate to no other product either manufactured by the client, a fabricator of the client or of installed field performance.

This report does not constitute an AAMA, NWDA or Dade County certified product under the certification programs of these organizations. The program administrator of these programs and organizations may only grant product certification.

ETC Laboratories makes no opinions or endorsements regarding this product and its performance. This report may not be reproduced or quoted in partial form without the expressed written approval of ETC Laboratories.

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Limitation of Liability: Due diligence was used in rendering this professional opinion. By acceptance of this report, this client agrees to hold harmless and indemnify ETC Laboratories, it's employees and offices and owners against all claims and demands of any kind whatsoever, which arise out of or in any manner connected with the performance of work referred to herein. ETC Laboratories reserves the right to subcontract any and all work for its clients in order to fulfill its contractual obligations for testing to these standards.

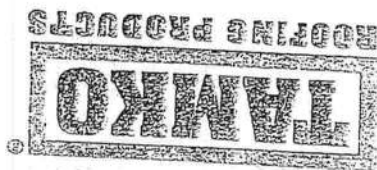
For ETC Laboratories

[Signature]
 Bill Yanda
 Test Technician

[Signature]
 Arthur Murray
 Laboratory Manager
 Wind Engineering Laboratory

8-101
 Reg. # 42929, May 25, 2001 - Joseph L. Doldan
 Signature: *[Signature]*

Florida Registered Professional Engineers Review:



TEB - 4 EED

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.





AAMA/NWDA 101/S.2-97
TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.
SERIES/MODEL: 450/650
TYPE: Aluminum Single Hung Window
RATING: H-C30 54 x 90; H-C45 52 x 72*

Results	
Title of Test	Test Specimen #1
Overall Design Pressure	30 psf
Operating Force	20 lb max.
Air Infiltration	0.27 cfm/ft ²
Water Resistance	5.25 psf
Structural Test Pressure	±45.0 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10
Test Specimen #2	N/A
	47 psf
	N/A
	6.0 psf
	±70.5 psf
	N/A
	N/A

Reference should be made to Report No. 01-37589.01 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Adam A. Rodor, Technician
130 Derry Court
York, PA 17402-9405
phone: 717.764.2700
fax: 717.764.4129
www.tested.com
AAT:ljp

Architectural Testing



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

Rendered to:

MI HOME PRODUCTS, INCORPORATED
650 West Market Street
Graft, Pennsylvania 17030-0370

Report No: 01-37589.01
Test Date: 06/29/00
Report Date: 09/11/00
Expiration Date: 06/29/04

Project Summary: Architectural Testing, Inc. (ATI) was contracted to witness tests on a Series/Model 450, aluminum single hung window at the MI Home Products in-plant test facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1 H-C30 54 x 90; Test Specimen #2 H-C40 52 x 72*. Test specimen descriptions and results are reported herein.

General Note: An asterisk (*) next to the performance grade indicates that the size tested for optional performance was smaller than the minimum test size for the product type and class.

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

Test Specimen Description

Series/Model: 450

Type: Aluminum Single Hung Window

Test Specimen #1 H-C30 54 x 90

Overall Size: 4' 6-1/2" wide by 7' 6-1/2" high

Sash Size: 4' 4" wide by 3' 9-3/4" high

Fixed Daylight Opening Size: 4' 1-1/2" wide by 3' 6-1/2" high

Screen Size: 4' 2-1/4" wide by 3' 8-1/2" high

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

Test Specimen Description: (Continued)

Test Specimen #2: H-C40 52 x 72*

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

Sash Size: 4' 2" wide by 3' 0-1/2" high

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

Screen Size: 4' 0" wide by 2' 11" high

The following descriptions apply to all specimens.

Finish: All aluminum was painted.

Glazing Details: The lites utilized 5/8" thick sealed insulating glass units fabricated from two sheets of 3/32" thick clear annealed glass and an Intercept™ spacer system. The sash was channel glazed with a flexible gasket. The fixed lite was interior glazed onto single-sided adhesive foam tape and secured with extruded PVC glazing beads.

Weatherstripping:

Description	Quantity	Location
0.210" high by 0.270" backed polypropylene with center fin	Row	Fixed meeting rail
0.250" high by 0.187" backed polypropylene with center fin	2 Rows	Stiles
0.300" diameter by 0.187" backed foam-filled vinyl bulb gasket	Row	Bottom rail
0.400" high by 1/2" square polypropylene dust plug	4	One on each sash corner

Frame Construction: The main frame was constructed of thermally-broken extruded aluminum members with coped, butted and sealed corners. The fixed meeting rail was constructed of an extruded aluminum member with coped, butted and sealed ends fastened with two screws each.



Test Specimen Description: (Continued)

Sash Construction: The sash members were constructed of thermally-broken extruded aluminum members with coped, butted and sealed corners fastened with one screw each.

Screen Construction: The screen was constructed of rolled aluminum members with plastic keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description		
Plastic snap latch	1	Midspan of bottom rail
Block and tackle balance system	2	One per jamb
Plastic tilt latch	2	One on each end of sash meeting rail
Metal pivot bar	2	One on each end of bottom rail
Drainage: Sloped sill		

Reinforcement: No reinforcement was utilized.

Installation: The test unit was installed into the nominal 2" x 8" Spruce-Pine-Fir #2 wood test buck utilizing the integral nailing fin secured with 1" long galvanized roofing nails, 6" from each corner and every 18" on center. The nailing fin was also bedded in polyurethane. The exterior perimeter was blindstopped with wood members and secured with #8 x 3" screws every 24" on center.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
-----------	-----------------------------	---------	---------

Test Specimen #1: H-C30 54 x 90

2.2.1.6.1

Operating Force

20 lbs

45 lbs max.

Air Infiltration per ASTM E 283 (See Note #1)
@ 1.57 psf (25 mph)
0.27 cfm/ft²

0.3 cfm/ft² max.

Note #1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/NWDA 101/1.S. 2-97 for air infiltration.

Water Resistance per ASTM E 547

(with and without screen)

WTP = 4.5 psf

No leakage

No leakage

2.1.4.2

Uniform Load Structural per ASTM E 330

(Measurements reported were taken on the fixed meeting rail)

0.03"

0.22" max.

De-glazing Test per ASTM E 987

In operating direction at 70 lbs

Meeting rail

0.06"/12%

0.50"/100%

Left stile

0.06"/12%

0.50"/100%

Right stile

Forced Entry Resistance per ASTM F 588-97

Type: A

Grade: 10

Lock Manipulation Test

Test A1 through A5

Test A7

Lock Manipulation Test

No entry

No entry

No entry

No entry

No entry

No entry

Adam A. Fodor
Technician

[Signature]

Bruce W. Croak
Director - Product/Physical Testing

[Signature]

For ARCHITECTURAL TESTING, INC.

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.

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: (Continued)			
Optional Performance			
4.3	Water Resistance per ASTM E 547 (with and without screen) WTP = 5.25 psf	No leakage	No leakage
Test Specimen #2: H-C40 52 X 72*			
Optional Performance			
4.3	Water Resistance per ASTM E 547 and 331 (with and without screen) WTP - 6.0 psf	No leakage	No leakage
4.4.2	Uniform Load Structural per ASTM E 330 (Measurements reported were taken on the fixed meeting rail) (Loads held for 33 seconds) @ 47.0 psf (exterior) @ 47.0 psf (interior) (Loads held for 10 seconds) @ 70.5 psf (exterior) @ 70.5 psf (interior)	0.04" 0.03" 0.07" 0.04"	N/A N/A 0.21" max. 0.21" max.



AAMA/NWDA 101/L.S.2-97
TEST REPORT SUMMARY

Rendered to:

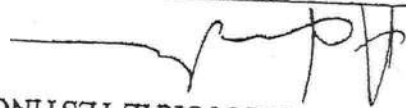
MI HOME PRODUCTS, INC.

SERIES/MODEL: 450/480/650/680
TYPE: Aluminum Fixed Window
RATING: F-C80 72 x 96

Title of Test	Results
Overall Design Pressure	80 psf
Air Infiltration	<0.01 cfm/ft ²
Water Resistance	12.0 psf
Structural Test Pressure	+120.0 psf
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-38781.01 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.



Adam Fodor, Technician

AF:tp

Architectural Testing

AAMA/NWDA 101/1.S.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
Gatz, Pennsylvania 17030-0370

Report No: 01-38781.01
Test Date: 01/23/01
Report Date: 02/22/01
Expiration Date: 01/23/05

Project Summary: Architectural Testing, Inc. (ATI) was contracted to witness tests on a Series/Model 450/480/650/680, aluminum fixed window at the MI Home Products, Inc. in-plant test facility in Elizabethtown, Pennsylvania. The sample tested successfully met the performance requirements for an F-C80 72 x96 rating. Test specimen description and results are reported herein.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWDA 101/1.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

Test Specimen Description:

Series/Model: 450/480/650/680

Type: Aluminum Fixed Window

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

Fixed Daylight Opening Size: 5' 9-1/2" wide by 7' 9-1/2" high

Finish: All aluminum was painted.

Glazing Details: The window utilized a 7/8" thick sealed insulating glass unit fabricated from two sheets of 3/16" thick, clear, tempered glass and a spacer system. The lite was interior glazed onto silicone bedding and dual-sided adhesive foam tape, while secured with aluminum snap-fit glazing beads and polyile weatherstrip.

Test Specimen Description: (Continued)

Frame Construction: The frame was constructed of thermally broken extruded aluminum members with coped, butted and sealed corners fastened with two screws each.

Drainage: No fabricated drainage was utilized.

Reinforcement: No reinforcement was utilized.

Installation: The test unit was installed into the 2" x 8" Spruce-Pine-Fir #2 wood test buck utilizing the integral nailing fin bedded in polyurethane sealant. The nailing fin was secured to the buck with a 1" roofing nail at each corner, midspan of the head and sill, and two spaced evenly at the jambs.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.1.2	Air Infiltration per ASTM E 283 (See Note #1) @ 1.57 psf (25 mph)	<0.01 cfm/ft ²	0.3 cfm/ft ² max.
Note #1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/NWDA 101/15.2-97 for air infiltration.			

2.1.4.2	Water Resistance per ASTM E 547 WTP = 4.5 psf	No leakage	No leakage
	Uniform Load Structural per ASTM E 330 (Measurements reported were taken on the jamb)		
	@ 45.0 psf (exterior) @ 45.0 psf (interior)	0.02" 0.02"	0.38" max. 0.38" max.
	Forced Entry Resistance per ASTM F 588-97		
	Type: D Grade: 10		
	Hand Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance per ASTM E 547 and 331 WTP = 12.0 psf	No leakage	No leakage
	Uniform Load Structural per ASTM E 330 (Measurements reported were taken on the jamb)		
	@ 120.0 psf (exterior) @ 120.0 psf (interior)	0.03" 0.04"	0.38" max. 0.38" max.

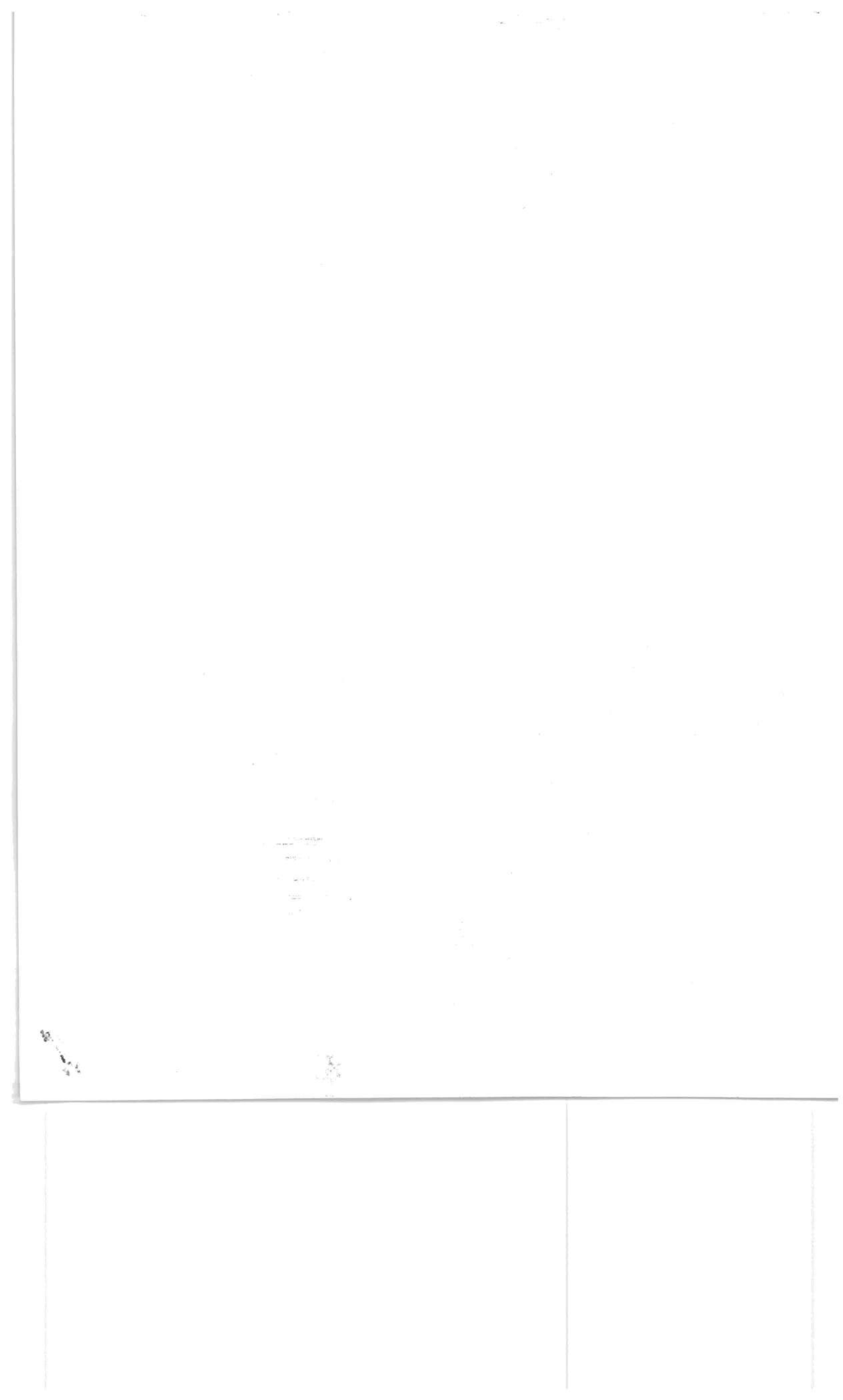
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the above referenced specification. This report does not constitute certification of this product which may only be granted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

For ARCHITECTURAL TESTING, INC:

Adam Fodor
Technician

AF:tp
01-38781.01

Bruce W. Croak
Director - Product/Physical Testing





MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

PJT Industries
1070 Technology Drive
Nokomis, FL 34275

Your application for Notice of Acceptance (NOA) of:

Series SGD-70 Aluminum Sliding Glass Door-Impact.

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 00-0628.11
EXPIRES: 11/09/2005

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 11/09/2000

\\s0450001\pc2000\templates\notice acceptance cover page.doc

Internet mail address: postmaster@buildingcodeonline.com

Homepage: <http://www.buildingcodeonline.com>

PJT Industries

ACCEPTANCE No.: 00-0628.11

APPROVED

: November 9, 2000

EXPIRES

: November 9, 2005

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

I. SCOPE

1.1 This approves an aluminum sliding glass door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The SGD-70 Series Aluminum Sliding Glass Door - Large Missile Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No 4345-1, titled "SGD-70 OXXO," Sheets 1 through 4 of 4 dated 03-15-99, last revised on 10-13-00, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications only, as shown in approved drawings.
3.2 Head receptor is not allowed to be used in this installation.

4. INSTALLATION

4.1 The aluminum sliding glass door and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): The installation of this unit will not require a hurricane protection system.

5. LABELING

5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBBC) in order to properly evaluate the installation of this system.

15kag 1. Chanda

Ishaq I. Chanda, P.E. Product Control Examiner
Product Control Division

PJT Industries

ACCEPTANCE No.: 00-0628.11

APPROVED

: November 9, 2000

EXPIRES

: November 9, 2005

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.

2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.

3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.

4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.

5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.

6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.

7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not resal the copies.

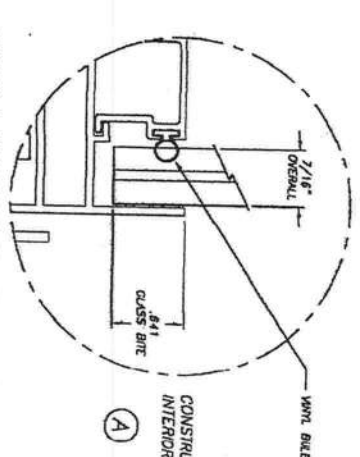
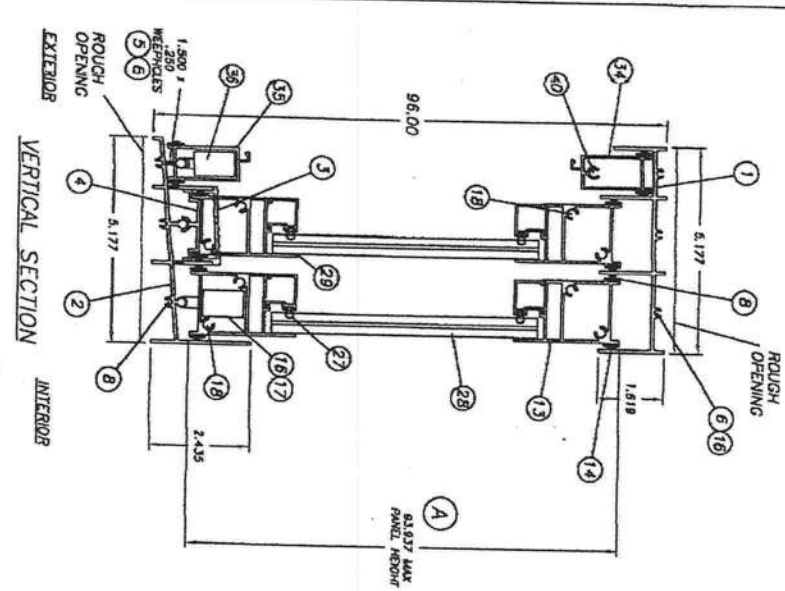
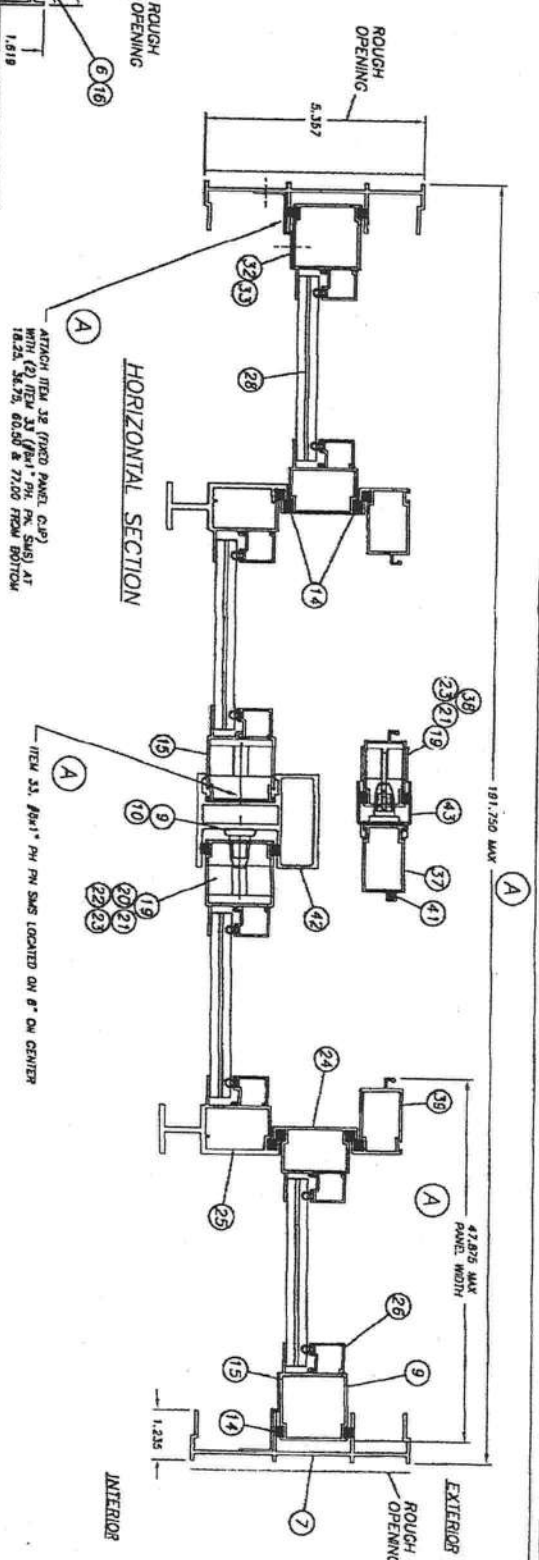
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.

9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

Ishag I. Chanda

Ishag I. Chanda, P. E. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

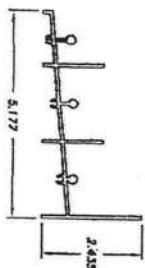


CONSTRUCTION DETAIL: OVERALL 7/16" LAMINATED CONSIST OF 3/16" HS GLASS LITES (EXTERIOR & INTERIOR SIDE) WITH .088 SAFELER 111G PVB INTERLAYER BY SOLUTIA, BETWEEN LITES.

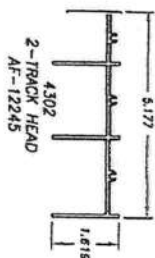
APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 LATE EDITION OF 2000
 BY ISSUED 1.1.1.1
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACQUISITION NO. 00-0628-11

Revisions: REV. A 10/13/00 F.K. Revised By: Date: Check By: Date:		Information: Project: 1/164 Drawing No.: 4345-2 Scale: 1/4" = 1'-0" Date: 3/15/99	
Product: SCD-70 SCD-70 OXO (SECTION VIEWS)		Manufacturer: PGT INDUSTRIES PGT INC. VENDOR NO.: Scale: Sheet: Drawing No. 4345-2 Rev: A	

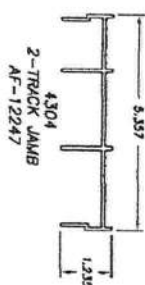
Robert Clark
 10/15/00
 4345-2



4303
2-TRACK SILL
AF-12246



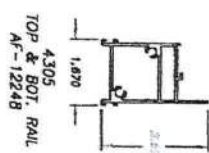
4302
2-TRACK HEAD
AF-12245



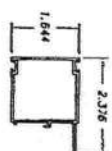
4304
2-TRACK JAMB
AF-12247



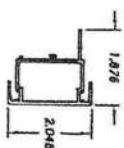
4315
2-TRACK THRESHOLD
AF-12255



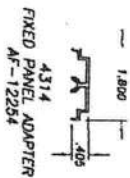
4305
TOP & BOT. RAIL
AF-12248



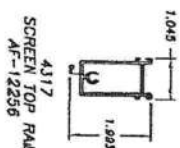
4306
SIDE RAIL
AF-12249



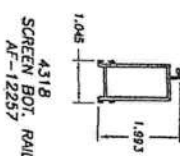
4308
MEET. RAIL (FIXED)
AF-12251



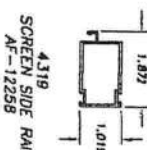
4314
FIXED PANEL ADAPTER
AF-12254



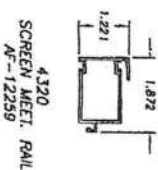
4317
SCREEN TOP RAIL
AF-12256



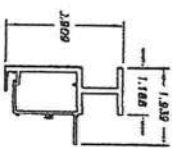
4318
SCREEN BOT. RAIL
AF-12257



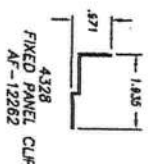
4319
SCREEN SIDE RAIL
AF-12258



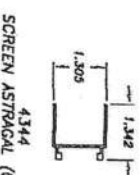
4320
SCREEN MEET. RAIL
AF-12259



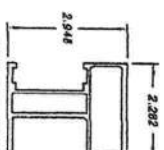
4328
MOVING PANEL
MEET. RAIL (H.D.)
AF-12261



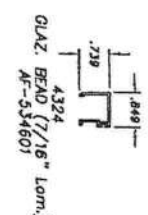
4328
FIXED PANEL CLIP
AF-12262



4344
SCREEN ASTRAGAL (OXXO)



4342 (MODIFIED)
PANEL ASTRAGAL (OXXO)
644932



4324
GLAZ. BEAD (7/16" Lom.)
AF-534601

APPROVED AS COMPETING WITH THE

SECURITY HAZARD BUILDING CODE

DATE: November 29, 2000

BY: [Signature]

PRODUCT CONTROL DIVISION

BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE NO. 00-0628-11

NOTE: ALL OTHER EXTRUSIONS ARE 6063-T5 ALUM.

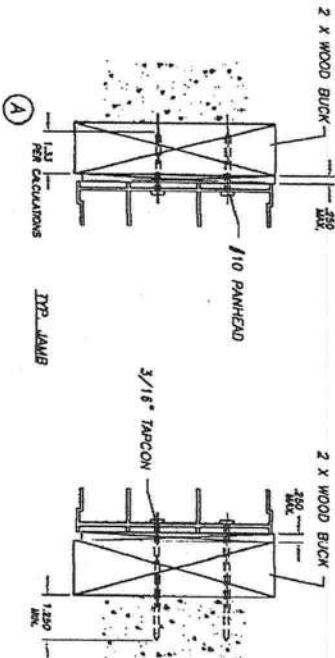
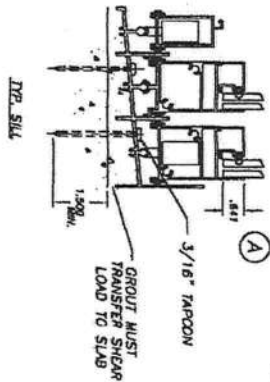
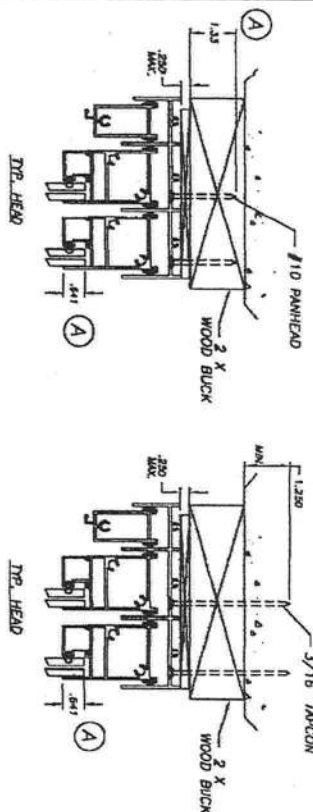
Revision:		Description:	
REV. A	10/13/00 F.K.	SGD-70	OXXO (Extrusion Profiles)
Drawn By:	D.B.	Check By:	D.B.
Date:	3/15/99	Date:	3/15/99
Part No.	SGD-70	Vendor No.	4345-3
Sheet:	3 of 4	Drawing No.	4345-3
Rev:	A		

PCT
INDUSTRIES

100

100

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ITEM	DESCRIPTION	V.I. #	QTY.	VENDOR	VENDOR #
1	Frame Head, 2 Track	612245	1	Alumox	AF-12245
2	Frame Sill, 2 Track	612245	1	Alumox	AF-12245
3	Threshold Cover, 2-Track	612254	2	Alumox	AF-12254
4	Fixed Adapter, Frame Sill	612254	2	Alumox	AF-12254
5	Weep Housing	70250	2	Schrier	AF-12254
6	Weep Flap	70251	2	Schrier	AF-12247
7	Frame Jamb, 2-Track	612247	12 (6/Jamb)	Alumox	AF-12247
8	8 x 1,000 Quad Ph. SMS	781PQA	2	Nationwide	
9	Latch Keeper	750KEP	2	Nationwide	
10	8 x .375 Ph. Ph. SMS	7838PA	4 (2/Latch Keeper)	Eastcoast R&P	
11	Bumper	72087K	2 (1/Jamb - Op. Tk.)	Alumox	AF-12248
12	8 x .375 Ph. Ph. TEX	7838PPT	2 (1/Bumper)	Schlegel	AF-12249
13	Top/Bot. Roll	612248	8 (2/Panel)	Alumox	AF-12249
14	Weid., 170 x 270 back - lin steel	67516G	42 (Fixed, Oper. & Scr. Panels)	Truth Hardware	39-10
15	Side Roll (Fixed/Operable)	612249	8 (2/Panel)		
16	Roller, Tension Steel	71040	16 (2/Panel)		
17	8 x .375 Ph. Ph. SMS	7838PPT	16 (2/Panel)		
18	174-20 x 1,000 Ph. Ph. MS	720X1A	32 (8/Panel)	Nationwide	
19	Lockset	7100CK	3		
20	110-32 x 1.75 Oval MS	7100X14444	4 (2/Panel)		
21	X Cam Latch	7X1720X	3 (1/Lock)	Pot Industries	
22	Cam Spacer	42502N	2 (1/Panel Lock) - not Screen		
23	110-32 x .500 Tr. Ph. MS	7100X171MS	3 (1/Lock - Cam Latch Screw)	Alumox	AF-12251
24	Fixed Panel Meet. Roll	612251	2 (1/Fixed Panel)	Alumox	AF-12251
25	Oper. Panel Meet. Roll	612251	2 (1/Operable Panel)	Alumox	AF-12251
26	Glazing Bead (7/16")	6534601	16 (4/Panel)	Team Plastics	JP-247
27	Vinyl Bulb	61P247	4 (1/Panel)	Dow Corning	899
28	7/16" Laminated Glass	62899C	4 (1/Panel)	Schrier-Morehead	SM5504
29	Silicone	65M55W		Alumox	AF-12252
30	Seam Sealer	612262		Alumox	AF-12256
31	Fixed Panel Clip	78X1PPA	2	Alumox	AF-12257
32	8 x 1,000 Ph. Ph. SMS	612256	2	Alumox	AF-12258
33	Screen Top Roll	612257	2	Alumox	AF-12258
34	Screen Bot. Roll	612257	2	Alumox	AF-12258
35	Single Rollers	750VZ	4 (2/Screen Panel)	Alumox	AF-12259
36	Screen Side Roll	612258	2 (1/Screen Panel)	Alumox	AF-12259
37	110-32 x .875 Ph. Fl. MS	71078	2 (Screw Lock)	Team Plastics	Index
38	Screen Meeting Roll	612258	2 (1/Screen Panel)	Index	
39	174 x 1,500 Ph. Ph. SMS	714X119PPA	4 (Screen Assy. Screws)		
40	Screen Spine	60170K	1		
41	Panel Astrogl				
42	Screen Astrogl				
43	Screen Astrogl				

APPROVED AS SHOWN WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 11/10/99 BY Silvia I. Chavez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 021-0628-11

Revisions:

REV. A 10/13/00 F.K.

Drawn By: D.B. Date: 3/15/99

Check By: Date:

Revised By: Date:

Job Order: Unit: 1/64

Project: 100

Order: 100

Spec: 1

SGD-70

SGD-0XXO - BILL OF MATERIALS

PGT INDUSTRIES

Sheet: 4 of 4

Drawing No: 4345-4

Rev: A

Robert Clark
10/10/99
4345-4

