DATE 05/01/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000026964

APPLICANT ROSS GRAHLING PHONE 800-347-3566

ADDRESS 9112 S US 441 OCALA FL 32025

OWNER MARY MCLANE PHONE 752-9697

ADDRESS 10001 SE CR 245 LAKE CITY FL 32025

CONTRACTOR MICHAEL CARTER PHONE 800 347-3566

LOCATION OF PROPERTY 441 S, L 240, R 245, GO ONE MILE ONE THE LEFT

TYPE DEVELOPMENT DETACHED GARAGE ESTIMATED COST OF CONSTRUCTION 14945.00

HEATED FLOOR AREA _____ TOTAL AREA _____ HEIGHT _____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 4/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 12

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

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 13-5S-17-09227-006 SUBDIVISION _____

LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 1.01

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
		CRC057058	Ross A. Grahling
EXISTING	X08-085	BK	JH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 13471

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 $ 75.00 CERTIFICATION FEE $ 0.00 SURCHARGE FEE $ 0.00

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

FLOOD DEVELOPMENT FEE $ _____ FLOOD ZONE FEE $ _____ CULVERT FEE $ _____ **TOTAL FEE** 75.00

INSPECTORS OFFICE Hale Tedder 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

26695

For Office Use Only Application # 0803-43 Date Received 3/20/08 By LH Permit # 26964

Zoning Official BLK Date 3.03.08 Flood Zone X FEMA Map # N/A Zoning A-3

Land Use A-3 Elevation N/A MFE N/A River N/A Plans Examiner OKSTH Date 3-25-08

Comments

☑ 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. X08-085 Fax 352.369.9293

Name Authorized Person Signing Permit Ross Grahling Phone 800.347.3566

Address ~~9112~~ 9112 S. U.S. 441 Ocala, Fl. 34480

Owners Name Mary C. McLane Phone 386.752.9697

911 Address 10001 SE C.R. 245, Lake City, Fl. 32025

Contractors Name Michael J. Carter / Master Garage Builders Phone 800.347.3566

Address 9112 S U.S. 441 Ocala, Fl. 34480

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Michael W. Radcliffe 2611 S.E. Lk. Weir Ave. Ocala

Mortgage Lenders Name & Address N/A

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

Property ID Number 1355.17.09227.006 HX WX Estimated Cost of Construction $14,945.00

Subdivision Name Lot Block Unit Phase

Driving Directions 441S, TL on 240, TR on CR 245, past Aldine Eagle on left. on RH side

Number of Existing Dwellings on Property 1

Construction of Detached Garage 18x24 Total Acreage 1.01Ac. Lot Size

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 12'6"

Actual Distance of Structure from Property Lines - Front 144.64 Side 56.15 Side 156.35 Rear 62.56

Number of Stories 1 Heated Floor Area N/A Total Floor Area 432 s.f. Roof Pitch 4/12

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.

left message, 3/27/08

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.

Mary C. McLane

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.

Ross A. Grahling

Contractor's Signature (Permitee)

Contractor's License Number CRC057058
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 20th **day of** Feb **2008.**

Personally known X **or Produced Identification** _____

Jay D. Carter

State of Florida Notary Signature (For the Contractor)

SEAL:

NOTARY PUBLIC STATE OF FLORIDA
Jay D. Carter
Commission # DD521945
Expires April 14, 2010
Bonded Troy Fain - Insurance, Inc 800-385-7019

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 13 55 17 09227 006 HX WX

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):* (ATTACHED 2nd PAGE)
   a) Street *(job)* Address: 10001 C.R. 245 LAKE CITY, FL.
2. General description of improvements: CONSTRUCT DETACHED GARAGE
3. Owner Information
   a) Name and address: MARY C. McLANE 10001 C.R. 245 LAKE CITY, FL 32025
   b) Name and address of fee simple titleholder (if other than owner) N/A
   c) Interest in property OWNER / OCCUPANT
4. Contractor Information
   a) Name and address: MICHAEL J. CARTER / MASTER GARAGE BLDR. 9112 S. U.S. 441 OCALA, FL. 34480
   b) Telephone No.: 800.347.3566 Fax No. (Opt.) 352.369.9293
5. Surety Information
   a) Name and address
   b) Amount of Bond: N/A
   c) Telephone No.:
6. Lender
   a) Name and address: N/A
   b) Phone No.

Inst 200812005546 Date 3/20/2008 Time 12:08 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 2 B 1145 P 2736

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:
   b) Telephone No.: N/A 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(1)(b) Florida Statutes:
   a) Name and address: N/A
   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. Mary C. McLane
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

MARY C. McLANE
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 19th day of Feb., 2008, by: MARY C. McLANE as OWNER **(type of authority, e.g. officer, trustee, attorney fact) for** **(name of party on behalf of whom instrument was executed).**

Personally Known X OR Produced Identification ____ Type ____

Notary Signature Ross A. Grahling Notary Stamp or Seal:

Ross A. Grahling
Commission # DD342577
Expires August 13, 2008
Bonded Troy Fain - Insurance, Inc. 800-385-7019

—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 Mary C. McLane
Signature of Natural Person Signing (in line #10 above.)

LEGAL DESCRIPTION

COMM SW COR SEC, RUN E 971.64 FT TO C/L CR-245, NW ALONG C/L 652.36 FT, N 53 DEG E 50 FT TO E R/W SAID RD, BEING A PT OF A CURVE, NW'LY ALONG R/W 728.21 FT, N 67 DEG E 192.15 FT FOR POB, CONT NE 67 DEG 207.35 FT, S 18 DEG E 212.74 FT, S 67 DEG W 207.38 FT, N 18 DEG W 213.17 FT TO POB. ORB 897-452, DC G MCLANE 1035-1243.

DETACH HERE

AC# 2693023

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L06080201527

DATE	BATCH NUMBER	LICENSE NBR
08/02/2006	050813225	CRC057058

The RESIDENTIAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008

CARTER, MICHAEL JAY
MASTER GARAGE BUILDERS INC
9112 S US 441
OCALA FL 34480

JEB BUSH
GOVERNOR

SIMONE MARSTILLER
SECRETARY

DISPLAY AS REQUIRED BY LAW

POWER OF ATTORNEY

Date: February 12, 2008

I hereby name and appoint **Ross A. Grahling and Jay D. Carter** to be my lawful attorney(s) in fact and to act for me and apply to the **Columbia County (Florida) Building Department** for building permits on behalf of myself and Master Garage Builders, Inc. until further notice.

Michael J. Carter, CRC 057058

Signature of Certified Contractor

The foregoing instrument was acknowledged before me this **12th** day of **February, 2008** by

Michael J. Carter who is personally known to me.

State of Florida

County of Volusia

Notary Public, State of Florida

Seal

Jessica Fantauzzi
Commission # DD560975
Expires June 6, 2010
Bonded Troy Fain - Insurance, Inc 800-385-7019

ACORD CERTIFICATE OF LIABILITY INSURANCE

OP ID KG MASTE-1

DATE (MM/DD/YYYY) 01/16/08

PRODUCER

Williams-Hess Insurance
1617 E. Gary Road
keland FL 33801
none: 863-682-5195 Fax: 863-686-3051

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE | NAIC #

INSURED

Master Garage Builders, Inc.
Michael Carter
9112 SE Highway 441
Ocala FL 34480-8214

INSURER A:	Penn America Ins/Gresham	
INSURER B:	PROGRESSIVE INSURANCE CO	
INSURER C:	St. Paul Travelers	
INSURER D:		
INSURER E:		

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY [X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [X] POLICY [ ] PRO-JECT [ ] LOC	LBA026779	01/10/08	01/10/09	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 500,000 $ 100,000 $ 5,000 $ 500,000 $ 1,000,000 $ 1,000,000
B		AUTOMOBILE LIABILITY [X] ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [X] HIRED AUTOS [X] NON-OWNED AUTOS	05593149-1	01/05/08	01/05/09	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 300,000 $ $ $
		GARAGE LIABILITY [ ] ANY AUTO				AUTO ONLY - EA ACCIDENT OTHER THAN AUTO ONLY: EA ACC AGG	$ $ $
		EXCESS/UMBRELLA LIABILITY [ ] OCCUR [ ] CLAIMS MADE [ ] DEDUCTIBLE [ ] RETENTION $				EACH OCCURRENCE AGGREGATE	$ $
C		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below	TRJUB487D383A	07/01/07	07/01/08	[X] WC STATU-TORY LIMITS [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
		OTHER Mike Carter-Licens Contractor	LICENSE # CRC057058				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

CERTIFICATE HOLDER

CNTYCO1

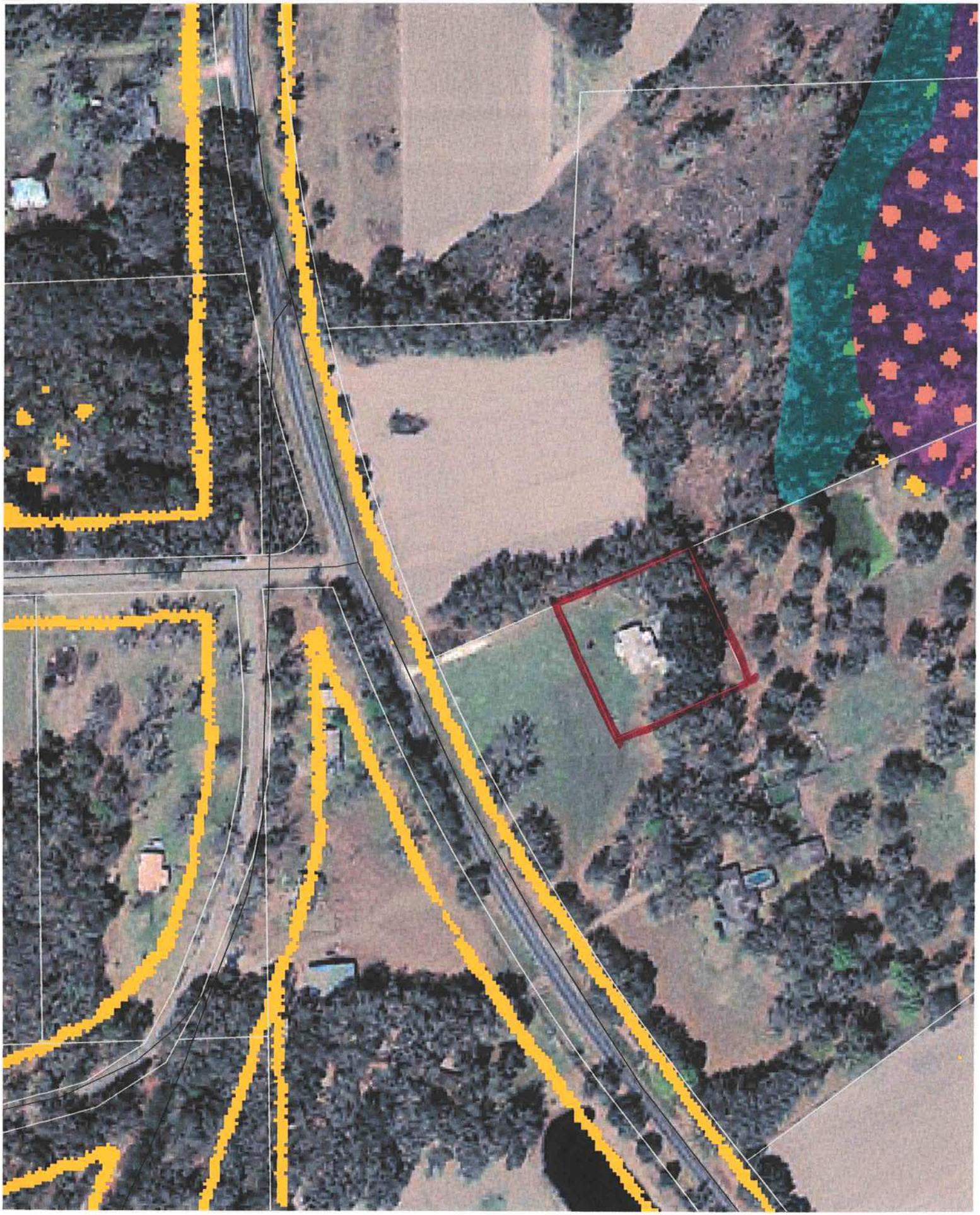
Columbia County
P.O. Drawer 1529
Lake City FL 32056

CANCELLATION

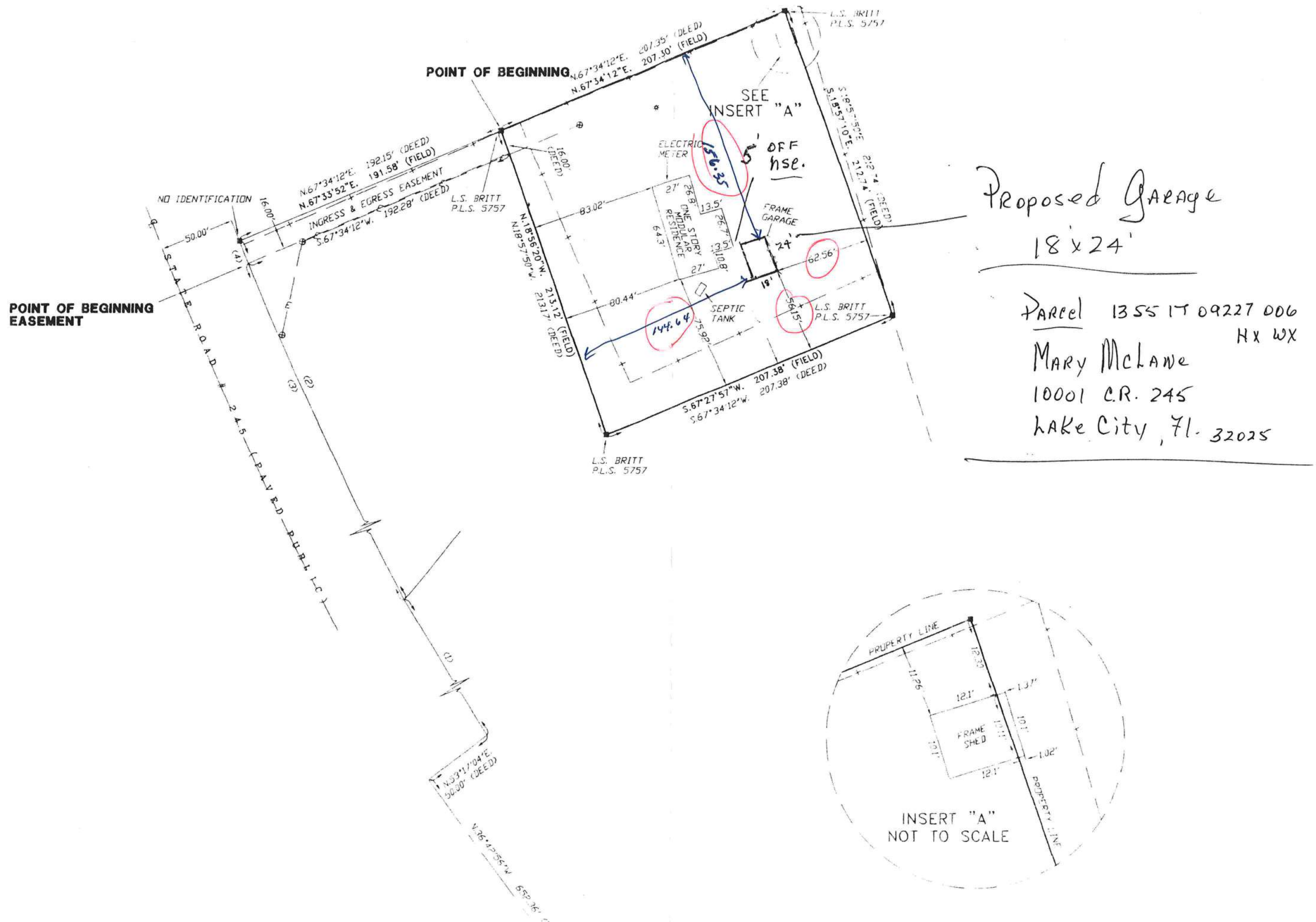
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

R. BRANDEBERRY- A028698



0203-43


POINT OF BEGINNING
N.67°34'12"E. 207.35' (DEED)
N.67°34'12"E. 207.30' (FIELD)
L.S. BRITT
P.L.S. 5757
SEE
INSERT "A"
S.18°57'10"E. 212.74' (FIELD)
212.74' (DEED)
NO IDENTIFICATION
16.00'
N.67°34'12"E. 192.15' (DEED)
N.67°33'52"E. 191.58' (FIELD)
INGRESS & EGRESS EASEMENT
S.67°34'12"W. 192.28' (DEED)
50.00'
16.00' (DEED)
ELECTRIC METER
156.35
5' OFF hse.
FRAME GARAGE
24'
18'
62.56'
83.02'
ONE STORY MODULAR RESIDENCE
27'
26.8'
13.5'
26.7'
10.8'
64.3'
80.44'
144.64
SEPTIC TANK
75.92'
56.15'
N.18°56'20"W. 213.12' (FIELD)
N.18°57'50"W. 213.17' (DEED)
S.67°27'57"W. 207.38' (FIELD)
S.67°34'12"W. 207.38' (DEED)
POINT OF BEGINNING
EASEMENT
STATE ROAD # 245 (PAVED PUBLIC)
N.53°17'04"E. 50.00' (DEED)
N.36°42'56"W.
Proposed Garage
18' x 24'
Parcel 13 55 17 09227 006
HX WX
Mary McLane
10001 C.R. 245
Lake City, Fl. 32025
PROPERTY LINE
11.76'
12.33'
12.1'
1.37'
FRAME SHED
10.1'
1.02'
INSERT "A"
NOT TO SCALE

This Instrument Prepared by: Carol H. Wright,
of ASSOCIATED LAND TITLE GROUP, INC.,
300 N. MARION STREET, LAKE CITY, FLORIDA 32055,
For Purposes of Title Ins.
File # 170-36501
Parcel ID # 09227-002

00-02863

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FL
'00 FEB 17 PM 2:17

BK 0897 PG 0452
OFFICIAL RECORDS

Warranty Deed

(The terms "grantor" and "grantee" herein shall be construed to include all genders and singular or plural as the context indicates.)

Made February 16, 2000, BETWEEN

Jan P. Tulp and Patricia McLane Tulp, His Wife.
whose post office address is Route 3 Box 354C Lake City, Florida 32025 of the County of Columbia, State of Florida, grantor, and

Gerard J. McLane and his wife, Mary C. McLane (SS#:
whose post office address is Route 3 Box 27558 Lake City, Florida 32025 of the County of Columbia, State of Florida, grantee,

WITNESSETH: That the said grantor, for and in consideration of the sum of LOVE & AFFECTION, 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:

See Schedule A attached hereto and by this reference made a part hereof.

Subject to easements and restrictions of record, if any, which are specifically not extended or reimposed hereby. Subject to 2000 taxes and assessments.

Documentary Stamp 70
Intangible Tax
P. DeWitt Cason
Clerk of Court
By D.C.

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.

BK 0897 PG 0453

Signed, sealed and delivered in the presence of:

OFFICIAL RECORDS

Carol H. Wright

CAROL H. WRIGHT

PLEASE PRINT OR TYPE NAME AS IT APPEARS

Jan P. Tulp

Patricia M. Tulp

Patricia McLane Tulp

Deborah Hausch

Deborah Hausch

PLEASE PRINT OR TYPE NAME AS IT APPEARS

STATE OF Florida COUNTY OF Columbia

I HEREBY CERTIFY, that on February 16, 2000, before me personally appeared Jan P. Tulp and Patricia McLane Tulp, His Wife, who are personally known to me or has produced the identification identified below, who is the person described in and who executed the foregoing instrument, and who after being duly sworn says that the execution hereof is free act and deed for the uses and purposes herein mentioned.

SWORN TO AND SUBSCRIBED before me the undersigned Notary Public by my hand and official seal, the day and year last aforesaid.

( ) To me personally known ( ) Identified by Driver's License ( ) Identified by _____

My Commission Expires: _____

Commission No.: _____

STATE OF FLORIDA NOTARY PUBLIC

CAROL H. WRIGHT
My Comm Exp. 4/9/2002
No. CC 726236
Personally Known | | Other I.D.

Carol H. Wright

Notary Public

CAROL H. WRIGHT

PLEASE PRINT OR TYPE NAME AS IT APPEARS

Schedule A

TOWNSHIP 5 SOUTH - RANGE 17 EAST

SECTION 13

PARCEL B A parcel of land lying in the SW 1/4 of Section 13, Township 5 South, Range 17 East more particularly described as follows: COMMENCE at the SW corner of said Section 13 and run N 89°19' E along the South line thereof, 971.64 feet to the centerline of State Road No. 245; thence N 36°42'56" W along said centerline 652.36 feet; thence N 53°17'04" E, 50.00 feet to the Easterly right-of-way line of said State Road No. 245 and to a point on a curve to the right, having a radius of 2814.93 feet, an included angle of 05°54'10" and a chord bearing and distance of N 33°45'51" W, 289.87 feet; thence Northwesterly, along the arc of said curve and along said Easterly right-of-way line, 290.00 feet to a point on a curve to the right, having a radius of 2841.93 feet, an included angle of 08°50'05", and a chord bearing and distance of N 26°21'08" W, 437.78 feet; thence Northwesterly, along the arc of said curve and still along said Easterly right-of-way line, 438.21 feet; thence N 67°34'12" W, 192.15 feet to the point of beginning; thence continue N 67°34'12" E, 207.35 feet; thence S 18°57'50" E, 212.74 feet; thence S 67°34'12" W, 207.38 feet; thence N 18°57'50" W, 213.17 feet to the POINT OF BEGINNING.

EASEMENT TOGETHER with a easement for ingress and egress lying 16 feet to the South, as measured perpendicular to the following described line: COMMENCE at the SW corner of said Section 13 and run N 89°19' E, along the South line thereof, 971.64 feet to the centerline of State Road No. 245; thence N 36°42'56" W, along said centerline, 652.36 feet; thence N 53°17'04" E, 50.00 feet to the Easterly right-of-way line of said State Road No. 245 and to a point on a curve to the right, having a radius of 2814.93 feet, an included angle of 05°54'10" and a chord bearing and distance of N 33°45'51" W,289.87 feet; thence Northwesterly along the arc of said curve and along said Easterly right-of-way line 290.00 feet to a point on a curve to the right, having a radius of 2841.93 feet, an included angle of 08°30'44" and a chord bearing and distance of N 26°30'48" W 421.82 feet; thence Northwesterly, along the arc of said curve and still along said Easterly right-of-way line, 422.21 feet to the POINT OF BEGINNING of said easement; thence run N 67°34'12" E, 192.28 feet; thence N 18°57'50" W, 16.00 feet;

Schedule A

thence N 67°34'12" E, 192.15 feet to a point on a curve to the left having a radius of 2841.93 feet, an included angle of 00°19'21", and a chord bearing and distance of S 22°05'46" E, 16.00 feet to the POINT OF BEGINNING.

File No: 170-36501

SPACE ABOVE THIS LINE FOR PROCESSING DATA — SPACE ABOVE THIS LINE FOR RECORDING DATA

This Warranty Deed, *Made the* 22 *day of* October, *1999, by* Jan P. Tulp and Patricia M. Tulp, as Husband and Wife,

hereinafter called the Grantor, to GERARD J. AND MARY C McLANE, as husband and wife *whose post office address is* 10526 S.E. 146 Ter. Rd., Ocklawaha, FL 32179

hereinafter called the Grantee.

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

Witnesseth, *That the Grantor, for and in consideration of the sum of* $Love & Affection *and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the Grantee all that certain land, situate in* Columbia *County, State of* Florida, *viz:*

A parcel not more than 200'x200' in the northwest area of Sec. Twp. Range , for the purpose of a manufactured home.

In the event the property is vacated by grantees property will revert to Grantors.

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 grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land, and hereby 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, 19*

In Witness Whereof, *the said Grantor has signed and sealed these presents the day and year first above written.*

Signed, sealed and delivered in the presence of:

Doris Cloud
Witness Signature (as to first Grantor)

Doris Cloud
Printed Name

Witness Signature (as to first Grantor)

Printed Name

Doris Cloud
Witness Signature (as to Co-Grantor, if any)

Doris Cloud
Printed Name

Witness Signature (as to Co-Grantor, if any)

Printed Name

Grantor Signature L.S.

JAN P. TULP
Printed Name

Rt. 3, Box 354C, Lake City, FL.
Post Office Address

Co-Grantor Signature, (if any) L.S.

PATRICIA M. TULP
Printed Name

Route #3, Box 354C, Lake City, FL
Post Office Address

STATE OF Florida)
COUNTY OF Columbia)

I hereby Certify that on this day, before me, an officer duly authorized to administer oaths and take acknowledgments, personally appeared JAN P. TULP, PATRICIA M. TULP known to me to be the person described in and who executed the foregoing instrument, who acknowledged before me that executed the same, and an oath was not taken. (Check one:) Said person(s) is/are personally known to me. X Said person(s) provided the following type of identification: Florida Drivers Lic.

NOTARY RUBBER STAMP SEAL
STEPHANIE R. WHITE
MY COMMISSION # CC 858976

Witness my hand and official seal in the County and State last aforesaid this 22nd day of December A.D. 1999

Form Design, Scribner Paper & Printing Co., Inc. 1994

This Instrument Prepared by:
Name: Patricia M. Tulp
Address: Route ##, Box 354C
Lake City, FL. 32055

Property Appraiser's Parcel Identification
Folio Number(s):
Grantee(s) S.S. #(s):

SPACE ABOVE THIS LINE FOR PROCESSING DATA — SPACE ABOVE THIS LINE FOR RECORDING DATA

This Warranty Deed, *Made the* 22 *day of* October, *1999*, *by* Jan P. Tulp and Patricia M. Tulp, as Husband and Wife, *hereinafter called the Grantor, to* GERARD J. AND MARY C McLANE, as husband and wife *whose post office address is* 10526 S.E. 146 Ter. Rd., Ocklawaha, FL 32179, *hereinafter called the Grantee.*

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

Witnesseth, *That the Grantor, for and in consideration of the sum of* $Love & Affection *and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the Grantee all that certain land, situate in* Columbia *County, State of* Florida, *viz:*

A parcel not more than 200'x200' in the northwest area of Sec. Twp. Range , for the purpose of a manufactured home.

In the event the property is vacated by grantees property will revert to Grantors.

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 grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land, and hereby 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, 19*

In Witness Whereof, *the said Grantor has signed and sealed these presents the day and year first above written.*

Signed, sealed and delivered in the presence of:

Doris Cloud
Witness Signature (as to first Grantor)
Doris Cloud
Printed Name

Witness Signature (as to first Grantor)
Printed Name

Doris Cloud
Witness Signature (as to Co-Grantor, if any)
Doris Cloud
Printed Name

Witness Signature (as to Co-Grantor, if any)
Printed Name

STATE OF Florida)
COUNTY OF Columbia

J.P.T.
Grantor Signature L.S.
JAN P. TULP
Printed Name
Rt. 3, Box 354C, Lake City, FL.
Post Office Address

Patricia M. Tulp
Co-Grantor Signature, (if any) L.S.
PATRICIA M. TULP
Printed Name
Route #3, Box 354C, Lake City, Fl
Post Office Address

Schedule A

TOWNSHIP 5 SOUTH - RANGE 17 EAST

SECTION 13

PARCEL B A parcel of land lying in the SW 1/4 of Section 13, Township 5 South, Range 17 East more particularly described as follows: COMMENCE at the SW corner of said Section 13 and run N 89°19' E along the South line thereof, 971.64 feet to the centerline of State Road No. 245; thence N 36°42'56" W along said centerline 652.36 feet; thence N 53°17'04" E, 50.00 feet to the Easterly right-of-way line of said State Road No. 245 and to a point on a curve to the right, having a radius of 2814.93 feet, an included angle of 05°54'10" and a chord bearing and distance of N 33°45'51" W, 289.87 feet; thence Northwesterly, along the arc of said curve and along said Easterly right-of-way line, 290.00 feet to a point on a curve to the right, having a radius of 2841.93 feet, an included angle of 08°50'05", and a chord bearing and distance of N 26°21'08" W, 437.78 feet; thence Northwesterly, along the arc of said curve and still along said Easterly right-of-way line, 438.21 feet; thence N 67°34'12" W, 192.15 feet to the point of beginning; thence continue N 67°34'12" E, 207.35 feet; thence S 18°57'50" E, 212.74 feet; thence S 67°34'12" W, 207.38 feet; thence N 18°57'50" W, 213.17 feet to the POINT OF BEGINNING.

EASEMENT TOGETHER with a easement for ingress and egress lying 16 feet to the South, as measured perpendicular to the following described line: COMMENCE at the SW corner of said Section 13 and run N 89°19' E, along the South line thereof, 971.64 feet to the centerline of State Road No. 245; thence N 36°42'56" W, along said centerline, 652.36 feet; thence N 53°17'04" E, 50.00 feet to the Easterly right-of-way line of said State Road No. 245 and to a point on a curve to the right, having a radius of 2814.93 feet, an included angle of 05°54'10" and a chord bearing and distance of N 33°45'51" W,289.87 feet; thence Northwesterly along the arc of said curve and along said Easterly right-of-way line 290.00 feet to a point on a curve to the right, having a radius of 2841.93 feet, an included angle of 08°30'44" and a chord bearing and distance of N 26°30'48" W 421.82 feet; thence Northwesterly, along the arc of said curve and still along said Easterly right-of-way line, 422.21 feet to the POINT OF BEGINNING of said easement; thence run N 67°34'12" E, 192.28 feet; thence N 18°57'50" W, 16.00 feet;

STATE OF FLORIDA
DEPARTMENT OF COMMUNITY AFFAIRS
"Dedicated to making Florida a better place to call home"

JEB BUSH
Governor

Thaddeus Cohen, AIA
Secretary

DIVISION OF HOUSING & COMMUNITY DEVELOPMENT
BUILDING CODES & STANDARDS

MEMORANDUM

From: Michael Ashworth, Manufactured Buildings Program Manager

To: Building Officials, Manufacturers & Third Party Agencies

Subject: Raised Seals on Plans for Manufactured Buildings

Date: January 13, 2005

Chapter 553, Part I, FS; Rule Chapter 9B-1, FAC; and the Florida Building Code do not require original signed and sealed plans for manufactured (modular) buildings to be submitted to local jurisdictions to obtain a building permit. The insignia issued by this Department verifies that the plans have been reviewed and the buildings inspected by a Third Party Agency and found compliant.

However, any code requirements not completed at the factory are considered site related and are subject to local plan review and inspection in accordance with local requirements. Signing and sealing of these plans should follow local procedures. All site-related installation requirements (e.g., foundation) are specifically and entirely reserved to the local authority having jurisdiction, who may require signed and sealed plans for those items.

The State of Florida requires Third Party Agencies to maintain a set of signed and sealed plans, (either hardcopy or electronic) that have been reviewed and approved by a Florida licensed Modular Plans Reviewer. Inspection reports conducted at the manufacturing facility by Florida licensed Modular Inspectors are also required to be on file. Local jurisdictions may require a copy of the approved plans with the permit application or may rely on the plans on file at www.floridabuilding.org.

If you need additional information, please contact Michael Ashworth at 850/922-6075 or E-mail michael.ashworth@dca.state.fl.us

cc: Jones, Ila
Files

2555 SHUMARD OAK BOULEVARD ♦ TALLAHASSEE, FLORIDA 32399-2100
Phone: 850.488.8466/Suncom 278.8466 FAX: 850.921.0781/Suncom 291.0781
Internet address: http://www.dca.state.fl.us

CRITICAL STATE CONCERN FIELD OFFICE
2796 Overseas Highway, Suite 212
Marathon, FL 33050-2227
(305) 289-2402

COMMUNITY PLANNING
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2100
(850) 488-2356

EMERGENCY MANAGEMENT
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2100
(850) 413-9969

HOUSING & COMMUNITY DEVELOPMENT
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2100
(850) 488-7956

STATE OF FLORIDA

DEPARTMENT OF COMMUNITY AFFAIRS

"Dedicated to making Florida a better place to call home"

JEB BUSH
Governor

THADDEUS L. COHEN, AIA
Secretary

September 22, 2005

Mr. Michael Carter
Master Garage Builders, Inc.
9112 South US 441
Ocala, Florida 34480

RE: Manufacturer Certification, ID MFT-1561 - - Expiration Date: 09/16/08

Dear Mr. Carter:

It is my pleasure to inform you that Master Garage Builders, Inc., located at 9112 South US 441, Florida 34480 has been approved under the Manufactured Buildings Program, as provided for under Chapter 553, Part I, Florida Statutes, for the manufacture of Prefabricated Walls and Gables for installation in Florida.

Design and production of the buildings must be approved for compliance with the current Florida Building Code (FBC) by your selected Third Party Agency before manufacturing begins. Your Third Party Agency is a contractor to the Department and has statutory authority and responsibilities that they must comply with to maintain their approved status. Expect and demand quality plans review and inspections.

Each FBC change will make your plans obsolete until they have been reviewed, approved and so indicated [on the cover page of the plans] for compliance with the FBC by your Third Party Agency for plans review. Please ensure that your plans are in compliance and properly posted on our website to avoid embarrassing work stoppages in the permitting process. All site related installation issues are subject to the local authority having jurisdiction.

Unannounced monitoring visits by the Department's contractor will be made at least annually. Complete access to your manufacturing facility and records is mandatory to remain compliant with the rules and regulations of this program.

Please visit our website at www.floridabuilding.org to see valuable information on the Florida Manufactured Buildings Program. A copy of this letter must accompany applications for local building permits.

Sincerely,

Michael D. Ashworth
Manufactured Buildings Program Manager

Cc: NDI

FILE COPY

2555 SHUMARD OAK BOULEVARD • TALLAHASSEE, FLORIDA 32399-2100
Phone: 850.488.8466/Suncom 278.8466 FAX: 850.921.0781/Suncom 291.0781
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(850) 413-9969

HOUSING & COMMUNITY DEVELOPMENT
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2100
(850) 488-7956

Product Approval # FL4904

Masonite

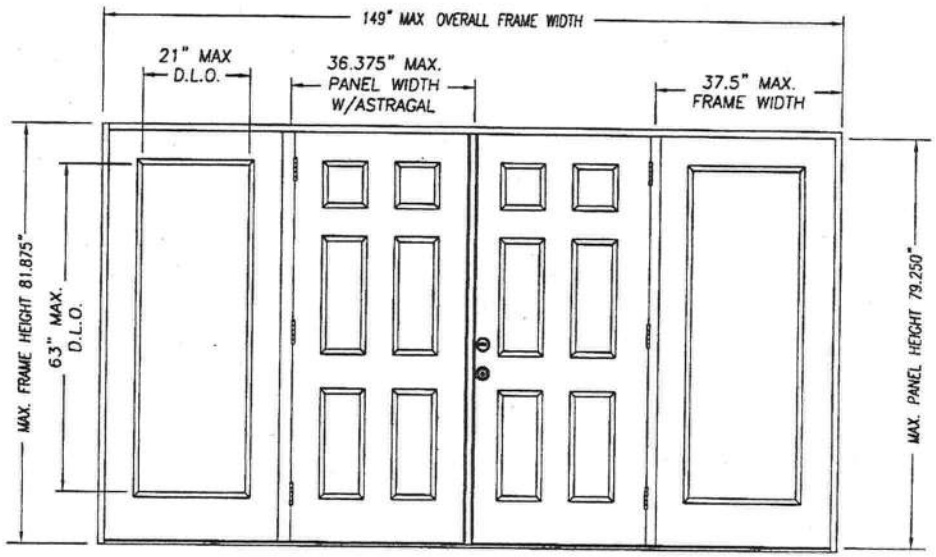
SIDE-HINGED WOOD-EDGE STEEL DOOR UNIT
6'-8" DOUBLE DOOR WITH / WITHOUT SIDELITES

GENERAL NOTES

1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED
2. HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS NOT REQUIRED ON OPAQUE PANELS, BUT IS REQUIRED ON GLAZED SIDELITES
3. POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84
4. PLASTICS TESTING OF LITE FRAME MATERIAL:

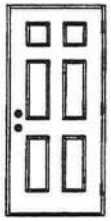
TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	680 °F > 650 °F
RATE OF BURNING	ASTM D635	1.10 IN/MIN
SMOKE DENSITY	ASTM D2843	69.6%
TENSILE STRENGTH*	ASTM D638	-7.48% DIFF

* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING 4500 HOURS XENON ARC METHOD 1

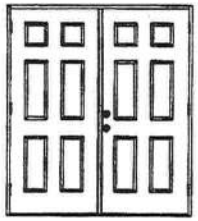


DOUBLE INSWING UNIT W/SIDELITES

Addendum to NAMI
Certification No.: NI006110
Reviewed By:
Date Reviewed: 8/10/05



SINGLE DOOR UNIT



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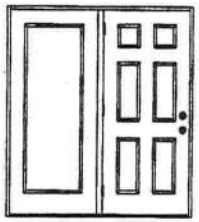
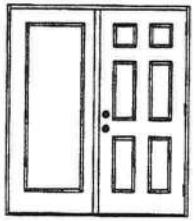
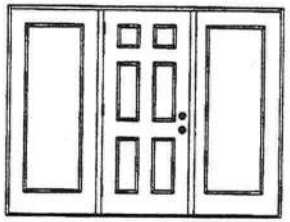


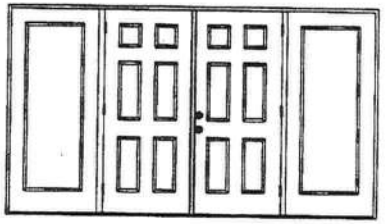
SINGLE DOOR UNIT WITH SIDELITE



SINGLE DOOR UNIT WITH SIDELITE



SINGLE DOOR UNIT W/SIDELITES



DOUBLE DOOR UNIT W/SIDELITES

TABLE OF CONTENTS

CONFIG	MAX WIDTH	DESIGN PRESSURE RATING		WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE	
		INSWING	OUTSWING	INSWING	OUTSWING
X	37.5"	+76.0 / -76.0	+76.0 / -76.0	+19.0 / -19.0	+55.0 / -55.0
XX	74"	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0
OX or XO	75"	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0
OXO	112.5"	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0
OXXO	149"	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0

MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

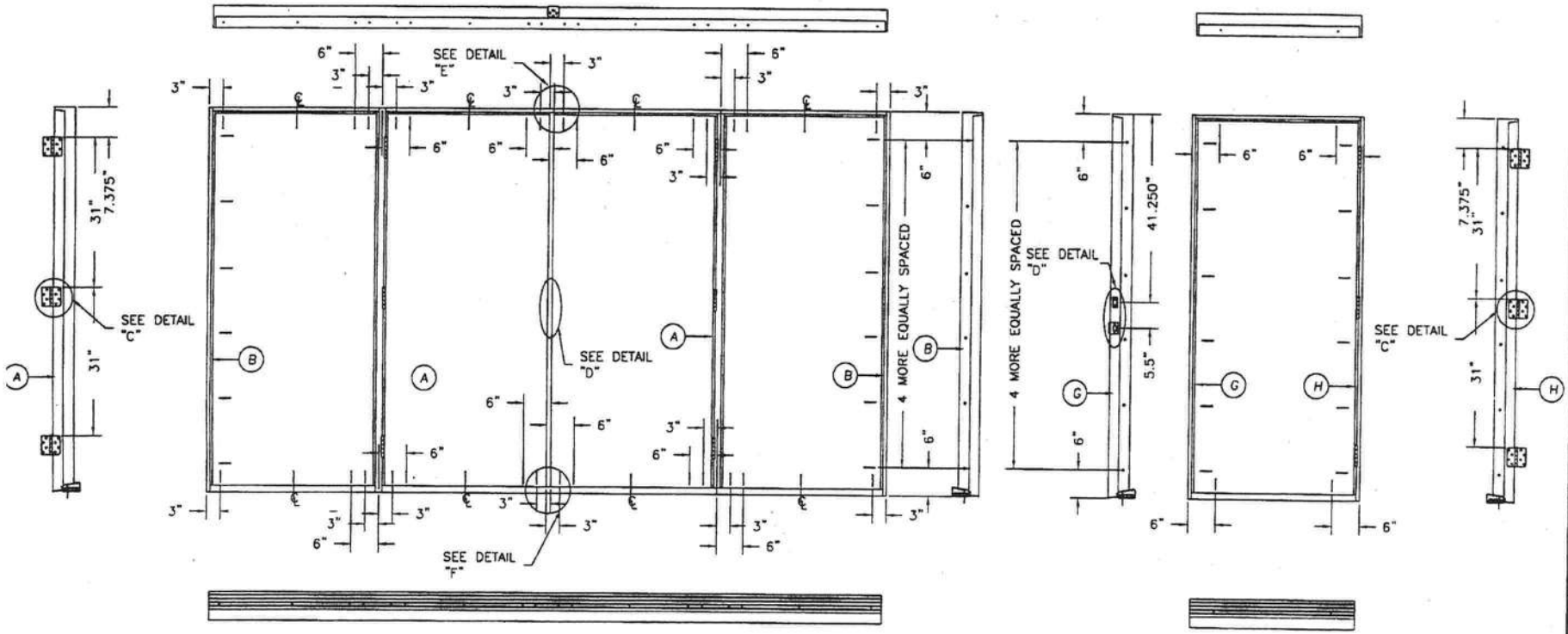
PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6'8" OPAQUE WOOD-EDGE STEEL DOOR

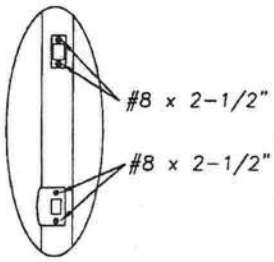
PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES

REVISIONS

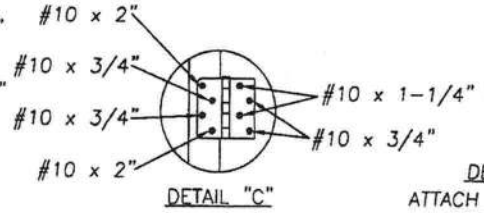
NO.	DATE	BY

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0128-05
SHEET 1 OF 3

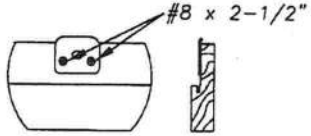




DETAIL "D"

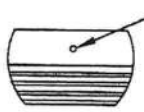


DETAIL "C"



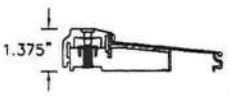
DETAIL "E" ASTRAGAL

ATTACH ASTRAGAL RETAINER BOLT STRIKE PLATE TO FRAME AS SHOWN.

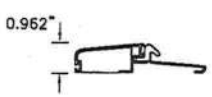


ASTRAGAL RETAINER BOLT HOLE MUST BE DRILLED THROUGH THE THRESHOLD & INTO THE STRUCTURE DEEP ENOUGH FOR A 1.375" THROW

DETAIL "F" ASTRAGAL

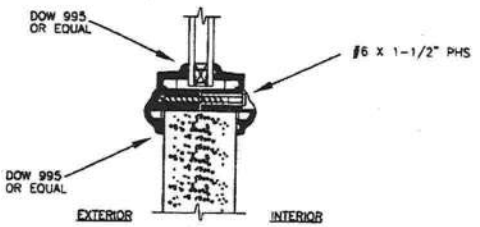


INSWING THRESHOLD



OUTSWING THRESHOLD

Addendum to NAMI
Certification No.: NT006110
Reviewed By:
Date Reviewed: 8/10/05



TYPICAL GLAZING DETAIL

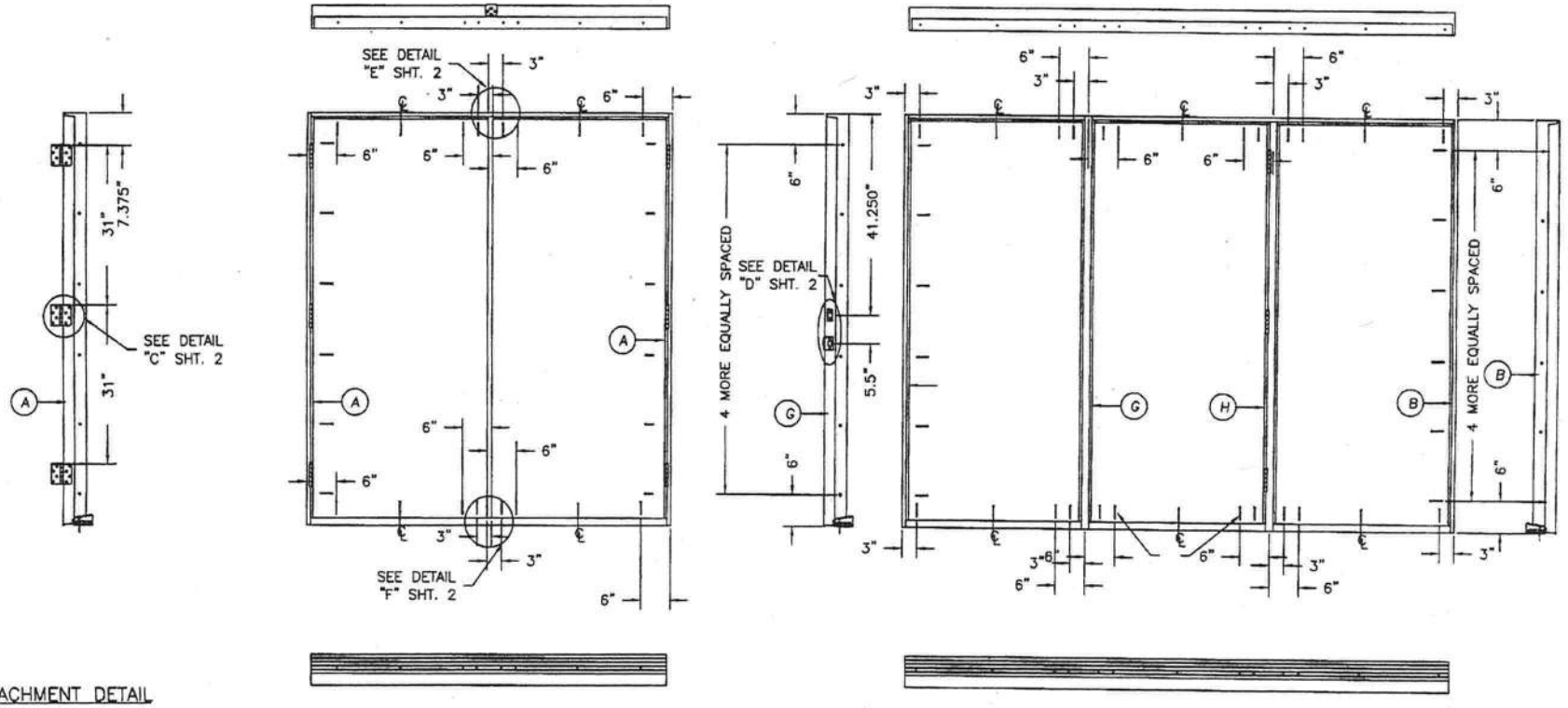
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6'-8" OPAQUE WOOD-EDGE STEEL DOOR

PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

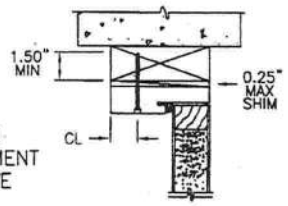
NO.	DATE	BY
REVISIONS		

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0128-05
SHEET 2 OF 3



ATTACHMENT DETAIL

1. ANCHOR ANALYSIS FOR LOADING CONDITIONS PREPARED, SIGNED AND SEALED BY HAROLD E. RUPP, PE (FLORIDA #15935) WITH THE LOWEST (LEAST) FASTENER RATING FROM THE DIFFERENT FASTENERS BEING CONSIDERED FOR USE. JAMB, HEAD, AND THRESHOLD FASTENERS ANALYZED FOR THIS UNIT INCLUDE #10 WOOD SCREWS OR 3/16" TAPCONS. A PHYSICAL SHIM MUST BE PLACED IN SHIM SPACE AT EACH ANCHOR LOCATION.
2. THE WOOD SCREW SINGLE SHEAR DESIGN VALUES COME FROM ANSI/AF&PA NDA FOR SOUTHERN PINE LUMBER AND ACHEIVEMENT OF 1-1/2" MINIMUM EMBEDMENT. THE TAPCON MUST ACHIEVE MINIMUM EMBEDMENT OF 1-1/4".
3. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE.
4. MINIMUM DESIGN VALUE STRENGTH OF ANCHORS 171 LBS.



TYPICAL ANCHOR INSTALLATION

HARDWARE SCHEDULE

1.	KWIKSET OR SCHLEGE ANSI/BHMA GRADE 3 OR BETTER CYLINDRICAL AND DEADLOCK HARDWARE TO BE INSTALLED AT 5-1/2" CENTERLINE.
2.	4" X 4" FULL MORTISE BUTT HINGES

Addendum to NAMI
Certification No.: NI006110
Reviewed By:
Date Reviewed: 8/10/05

MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

PRODUCT: "EXTERIOR DOOR PRODUCT" 6'-8" WOOD-EDGE STEEL OPAQUE DOUBLE DOOR UNIT

PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

REVISIONS

NO.	DATE	BY

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0128-05
SHEET 3 OF 3

STRUCTURAL SOLUTIONS, P.A.

Structural Engineering ▪ Investigations ▪ Consulting

FL 5302

GARAGE DOOR STATIC PRESSURE TEST REPORT

Garage Door No.:	IRC-6009-120-15	Test Date:	10/15/2002	Project No.:	02-056
Design Pressures:	+22.8 psf, -26.9 psf	Report Date:	9/12/2005		
Test Pressures:	+34.2 psf, -40.4 psf	Test Location:	Amarr Garage Doors, Kernersville, NC		
ASCE 7-98/02 Criteria:	120 mph, Exposure B, 30' Mean Roof Height, 5' in Edge Strip				
Witnessed By:	Danny Joyner - Amarr Garage Doors; Thomas L. Shelmerdine, PE - Structural Solutions, P.A.				

Description of Test Specimen:
A 9'-0" wide x 7'-0" high residential steel sectional garage door, one (1) section wide by four (4) sections high, each section being 2" inches thick by 21" high galvanized steel sheet. The top section was reinforced with one (1) 2" x 20 gauge galvanized steel strut located at the top of the section; the other sections were reinforced with one (1) 3" x 20 gauge galvanized steel strut located at the top of each section. The door sections were connected together with one (1) 14 gauge galvanized steel end hinge at each end stile and one (1) 14 gauge galvanized steel center hinge at the interior stile as shown on the drawing. Garage door Model No. 600 manufactured by Amarr Garage Doors was used in the test. The test unit is further described on drawing IRC-6009-120-15.

Manner of Testing:
The specimen was tested for static pressure structural performance in substantial conformance with the procedures described in DASMA 108 "Standard Method for Testing Sectional Garage Doors - Determination of Structural Performance Under Uniform Static Air Pressure Difference", and ASTM E330 "Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference". Both positive and negative pressures were tested.

The specimen was installed in an enclosure measuring approximately 4' deep, 9' high, and 20' long. The enclosure was framed with shop welded steel angles and covered with 3/4" thick plywood. The door was covered with plastic sheeting to prevent leakage of air pressure. At one end of the enclosure, a "Dwyer" Series 477 Digital manometer was attached to measure pressure inside the enclosure. Two duct fans were attached in series to the enclosure with flexible ducting to provide the positive and negative pressures.

Test Procedure:
The specimen was subjected to the above pressures for the following durations. Positive pressure was applied on the exterior face of the door first, and then negative pressure was applied.

Step 1. Preload the door to 50% of the Design Pressure and hold for 10 seconds. Step 2. Unload the door for 1 to 5 minutes.
Step 3. Load the door to 100% of the Design Pressure and hold for 60 seconds. Step 4. Unload the door for 1 to 5 minutes.
Step 5. Load the door to 150% of the Design Pressure (which equals 100% of the Test Pressure) and hold for 10 seconds.
Step 6. Repeat 1 through 5 above for negative pressure.

Observations:
No failures occurred as a result of the noted loadings. The door remained operable after both positive and negative tests.

Summary:
The 9' x 7' Model 600 as described on Drawing IRC-6009-120-15 meets or exceeds the testing criteria as described above. By comparison to the construction of the 9' x 7' Model 600, the following doors also meet or exceed the above testing criteria, when constructed in accordance with Drawing IRC-6009-120-15:

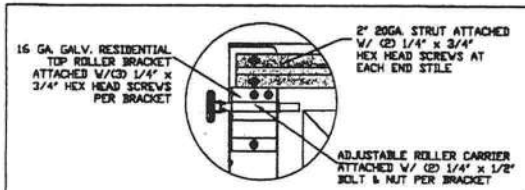
- 9' x 7' Model 950 doors (which are constructed of thicker 24 gauge steel in lieu of 25 gauge steel)
- 8' to 9' wide Model 600, 650 and 950 doors with heights of 6'-6" through 14'-0"
- 8' to 9' wide Model 600, 650 and 950 glazed long panel doors with heights of 6'-6" through 14'-0"

Submitted by:

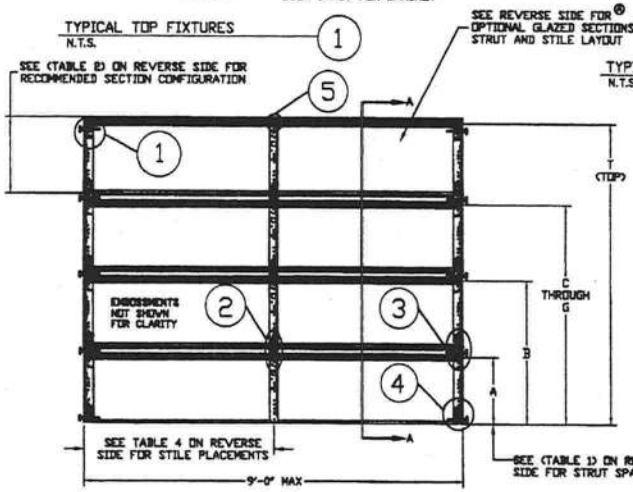
THOMAS L. SHELMERDINE No 48579 STATE OF FLORIDA REGISTERED PROFESSIONAL ENGINEER

STRUCTURAL SOLUTIONS, P.A.
Thomas L. Shelmerdine, PE (Florida PE #0048579)

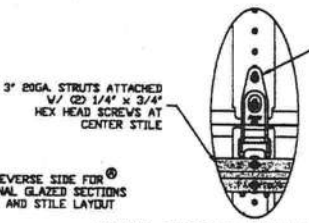
9221-F West Friendly Avenue ▪ Greensboro, North Carolina 27410 ▪ (336) 856-2686 ▪ Fax (336) 856-2687



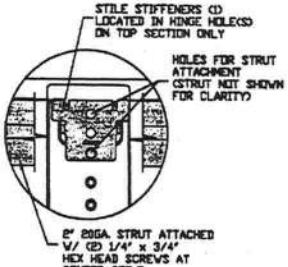
TYPICAL TOP FIXTURES 1
N.T.S.



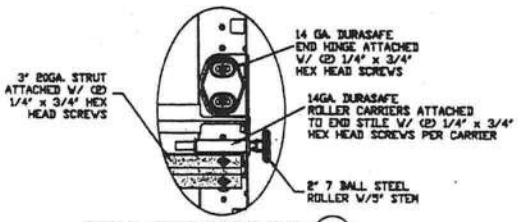
INSIDE ELEVATION
N.T.S.



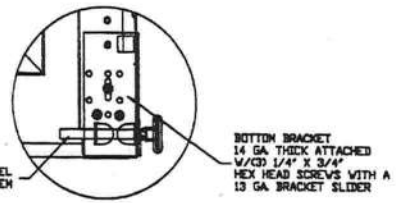
TYPICAL DURASAFE CENTER HINGE 2
N.T.S.



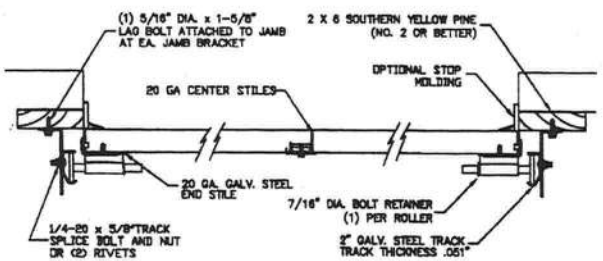
TYPICAL STILE STIFFENER 5
N.T.S.



TYPICAL DURASAFE END HINGE 3
N.T.S.



TYPICAL BOTTOM BRACKET 4
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE

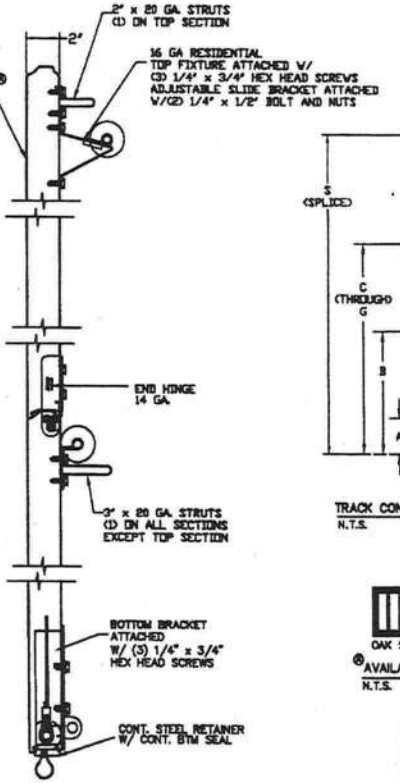
RATED FOR 120 MPH PEAK GUST; EXPOSURE B; 30' OR LESS MEAN ROOF HEIGHT

2 X 8 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

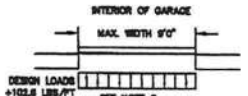
2 X 8 VERTICAL JAMB ATTACHMENT TO 3,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)

2 X 8 VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.(1 1/4" EMBEDMENT)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
**PREPARATION OF WOOD JAMBS BY OTHERS

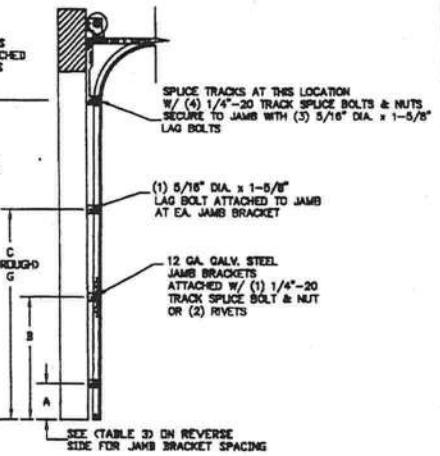


SECTION A-A (SIDE VIEW)
N.T.S.

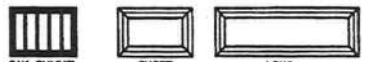


SPECIFICATIONS AND NOTES

1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK. FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +102.8 LBS/FT & -121.1 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 25 GA. MIN. (.019") ROLLED FORMED LIGHT COMMERCIAL QUALITY, G-60 GALVANIZATION
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA TDS, ASTM E330, AND THE SOUTHERN BUILDING CODE SECTION 1605 WIND LOAD DESIGN CRITERIA THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-98 WITH THE FOLLOWING PARAMETERS:
   A. BASIC WIND SPEED OF 120 MPH (PEAK GUST)
   B. DOOR CAN BE INSTALLED WITH 5 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   C. 30' OR LESS MEAN ROOF HEIGHT AT ANY SLOPE
   D. USE FACTOR OF 1.0
   E. EXPOSURE RATING OF B
7. REFER TO TABLES ON THE REVERSE SIDE FOR ADDITIONAL DOOR WIDTHS AND THEIR DESIGN PRESSURES



TRACK CONFIGURATION FOR 8'6" UP TO 14' TALL DOORS
N.T.S.



AVAILABLE PANEL ARRANGEMENTS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED BOTTOM BRACKET INFORMATION ADDED OAKSUMMIT AND GLAZING OPTIONS	08/10/05	DLJ

MAX SIZE 9' x 14'
DESIGN LOADS +22.8 PSF -26.9 PSF
TEST LOADS +34.2 PSF -40.4 PSF

THOMAS L. SHUMERDINE * No. 048579 * STATE OF FLORIDA * PROFESSIONAL ENGINEER
SEP 12 2005

Amarr GARAGE DOORS
163 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

®MODEL #650 OAK SUMMIT w/DuraSafe
MODEL #600 STRATFORD w/DuraSafe
MODEL #950 HERITAGE w/DuraSafe
Short, Long, Flush & Oak Summit Panel's

SIZE	DRAWN BY	DATE	DRAWING NUMBER
B	DLJ	05/14/05	IRC-6009-120-15
	CHECKED BY AAE	DATE 05/14/05	

ENGINEER: THOMAS L. SHUMERDINE P.E. LIC. No. 0048579 | SHEET 1 OF 1

TABLE 1

DOOR HEIGHT	STRUT SPACING (BASED ON RECOMMENDED SECTION CONFIGURATION)							TOP
	A	B	C	D	E	F	G	T
6' 6"	18 1/4"	36 1/4"	54 1/4"					76 1/2"
7'	18 1/4"	39 1/4"	60 1/4"					82 1/2"
7' 6"	15 1/4"	33 1/4"	51 1/4"	69 1/4"				88 1/2"
8'	18 1/4"	36 1/4"	54 1/4"	72 1/4"				94 1/2"
8' 6"	18 1/4"	39 1/4"	60 1/4"	78 1/4"				100 1/2"
9'	15 1/4"	33 1/4"	51 1/4"	69 1/4"	87 1/4"			106 1/2"
9' 6"	18 1/4"	36 1/4"	54 1/4"	72 1/4"	90 1/4"			112 1/2"
10'	18 1/4"	39 1/4"	60 1/4"	78 1/4"	96 1/4"			118 1/2"
10' 6"	18 1/4"	39 1/4"	60 1/4"	81 1/4"	102 1/4"			124 1/2"
11'	18 1/4"	36 1/4"	54 1/4"	72 1/4"	90 1/4"	108 1/4"		130 1/2"
11' 6"	18 1/4"	39 1/4"	60 1/4"	78 1/4"	96 1/4"	114 1/4"		136 1/2"
12'	18 1/4"	39 1/4"	60 1/4"	81 1/4"	102 1/4"	120 1/4"		142 1/2"
12'6"	18 1/4"	36 1/4"	54 1/4"	72 1/4"	90 1/4"	108 1/4"	126 1/4"	148 1/2"
13'	18 1/4"	39 1/4"	60 1/4"	78 1/4"	96 1/4"	114 1/4"	132 1/4"	154 1/2"
13' 6"	18 1/4"	39 1/4"	60 1/4"	81 1/4"	102 1/4"	120 1/4"	138 1/4"	160 1/2'
14'	18 1/4"	39 1/4"	60 1/4"	81 1/4"	102 1/4"	123 1/4"	144 1/4"	166 1/2"

TABLE 2

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9'6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

TABLE 3

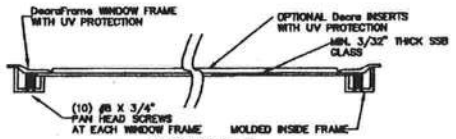
DOOR HEIGHT	TRACK ATTACHMENT							SPLICE
	A	B	C	D	E	F	G	S
6' 6"	10"	38"	58"					70"
7'	10"	38"	58"					76"
7' 6"	4"	28"	52"	76"				82"
8'	10"	34"	58"	82"				88"
8' 6"	4"	28"	52"	76"				94"
9'	10"	34"	58"	82"				100"
9' 6"	4"	28"	52"	76"	100"			106"
10'	10"	34"	58"	82"	106"			112"
10' 6"	4"	28"	52"	76"	100"			118"
11'	10"	34"	58"	82"	106"			124"
11' 6"	4"	28"	52"	76"	100"	124"		130"
12'	10"	34"	58"	82"	106"	130"		136"
12'6"	4"	28"	52"	76"	100"	124"		142"
13'	10"	34"	58"	82"	106"	130"		148"
13' 6"	4"	28"	52"	76"	100"	124"	148"	154"
14'	10"	34"	58"	82"	106"	130"	154"	160"

TABLE 4

Section Width (ft)		Panel Type	Center Stile Location (Measured from Left Edge)	Max Design Loads Allowed	
				Positive (PSF)	Negitive (PSF)
8'	0	Short, Oak Summit	48.000	25.5	30.1
8'	0	Long	48.000	25.5	30.1
8'	2	Short, Oak Summit	49.000	25.0	29.5
8'	2	Long	49.000	25.0	29.5
8'	4	Short, Oak Summit	50.000	24.5	28.9
8'	4	Long	50.000	24.5	28.9
8'	6	Short, Oak Summit	51.000	24.0	28.3
8'	6	Long	51.000	24.0	28.3
8'	8	Short, Oak Summit	52.000	23.6	27.8
8'	8	Long	52.000	23.6	27.8
8'	10	Short, Oak Summit	53.000	23.1	27.3
8'	10	Long	53.000	23.1	27.3
9'	0	Short, Oak Summit	54.000	22.8	26.9
9'	0	Long	54.000	22.8	26.9

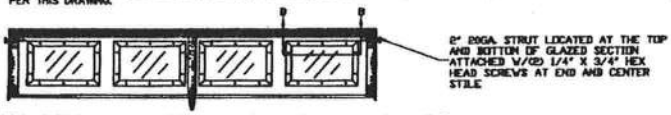
GLAZING OPTION CROSS SECTION

GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION



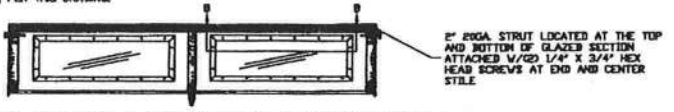
SECTION B-B

TEST No. IRC-6009-169-15 ON OCTOBER 10, 2002 INCLUDED SHORT PANEL GLAZING IN THE TESTED DOOR. THE TEST PRESSURES WERE +67.9 PSF AND -80.3 PSF. BY COMPARISON, UP TO FOUR (4) WINDOWS MAY BE INSTALLED IN ONE (1) SECTION OF EITHER THE MODEL 600, 650 OR 950 DOORS CONSTRUCTED PER THIS DRAWING.



OPTIONAL SHORT PANEL GLAZED SECTION STRUT AND STILE LAYOUT

TEST No. IRC-6009-150-15 ON AUGUST 09, 2005 INCLUDED LONG PANEL GLAZING IN THE TESTED DOOR. THE TEST PRESSURES WERE +53.7 PSF AND -63.1 PSF. BY COMPARISON, UP TO TWO (2) WINDOWS MAY BE INSTALLED IN ONE (1) SECTION OF EITHER THE MODEL 600, 650 OR 950 DOORS CONSTRUCTED PER THIS DRAWING.



OPTIONAL LONG PANEL GLAZED SECTION STRUT AND STILE LAYOUT

DRAWING NUMBER
IRC-6009-120-15

FL# FL153-R1

Document Title:	Document No.	FRM B1-02		
CERTIFICATION AUTHORIZATION REPORT	Revision No. 2	Page: 1	Of	1
Required By: PRO B1-03				

FMA Keystone Certification Program
Certification Authorization Report

CAR & Product ID Number: 138 - 141
CAR Issue Date: 8/1/2005
CAR Expiration Date: 7/19/2009
Company Code: 138

This Certification Authorization Report (CAR) is issued by Keystone Certifications, Inc. (KCI) after full validation review of the product specification documents for the product named below. This report is only valid when signed and sealed by the President of KCI, and indicates the product as manufactured by the company named below has been tested and meets the requirements of the referenced standard and is eligible for the application of FMA Keystone Certification Program certification labels. Licensee stipulates in affixing certification labels to products, that those products are representative of the specimen evaluated and documented for certification authorization. Only products bearing such a certification label shall be considered certified.

Company Information:	**Product Information:**
Custom Window Systems, Inc 981 NE 16th St. Ocala FL 34470	Model: 7000 SPS Alum. Flange Frame XOX Horizontal Slide Operator Type: HS Configuration: NO Max Width: 121.375 Max Height: 67.25

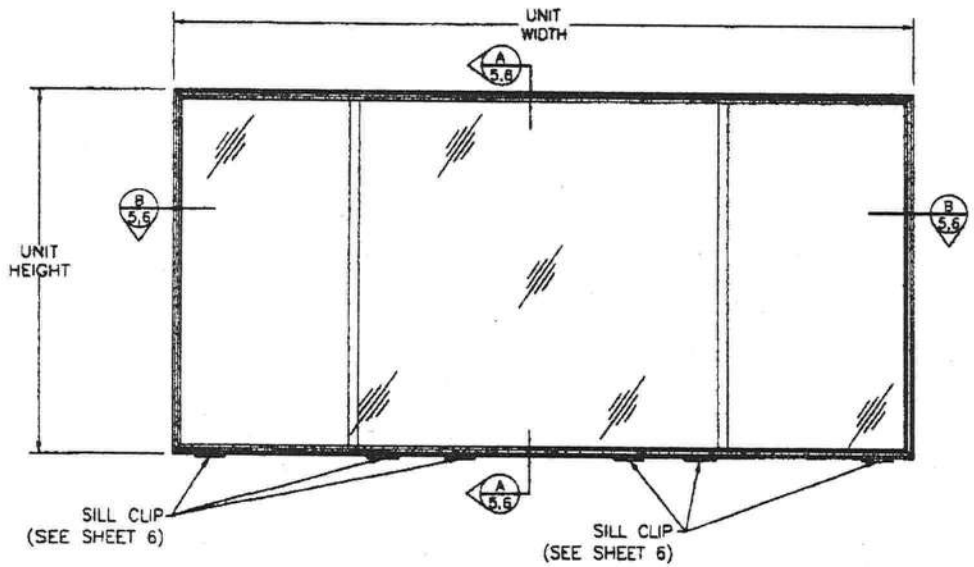
Referenced Standard:	**Product Rating:**
ANSI/AAMA/WDMA 101/IS2-97	HS-C35 121x67 XOX

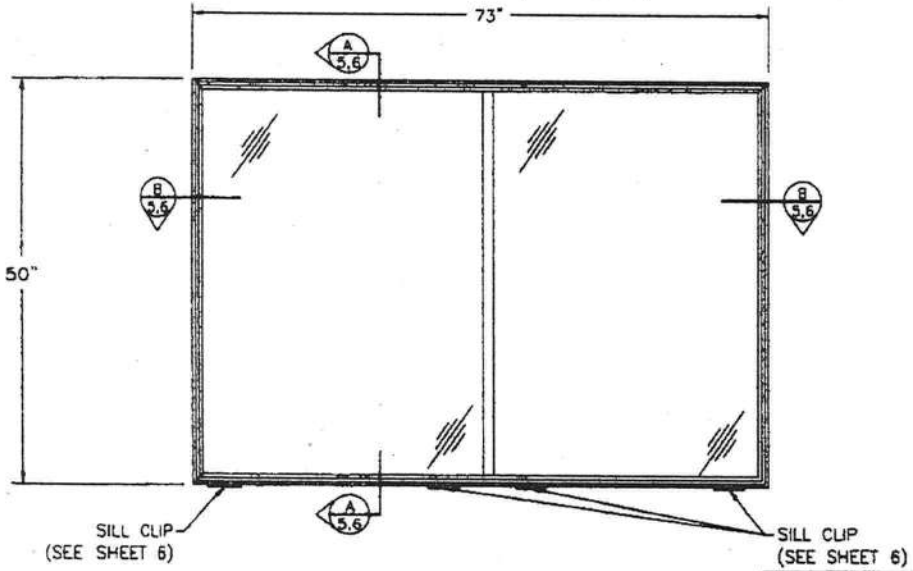
Qualifying Test Information:	
Test Report No:	CTLA-1393W-2
Test Report Expiration:	7/19/2009

Authorized Signature:

Marcia Falke, President

Keystone Certifications, Inc.
1790 Old Trail Road, Suite D
Etters, Pennsylvania 17319
Phone: 717-932-8500
Fax: 717-932-8501





NOTES:

1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2004 FLORIDA BUILDING CODE FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2) 1X, 2X BUCK, FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. OPENING DESIGN IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3) APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT.
4) 33-1/3% INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OR ANCHORING DETERMINATION OF THIS PRODUCT.
5) ALL BOLTS AND WASHERS SHALL BE ZINC COATED, GALVANIZED OR STAINLESS STEEL WITH 60KSI MINIMUM TENSILE STRENGTH.
6) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
7) FOR ANCHORING INTO WOOD FRAMING USE #10 WOOD SCREWS, OF SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO WOOD FRAMING. .
8) FOR ANCHORING INTO MASONRY OR CONCRETE USE 3/16" ELCO TAPCONS, OR EQUIVALENT, OF SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE AND MINIMUM OF 2" EDGE DISTANCE.
9) LOCATE ANCHORS AT HEAD AND SILL 6" FROM EACH CORNER AND 21-1/2" O.C. THEREAFTER. LOCATE ANCHORS AT JAMBS 6" FROM EACH END AND 12" O.C. THEREAFTER.
10) APPLICABLE TEST REPORT #CTLA-1393W-1
11) NEGATIVE DESIGN LOADS BASED ON COMPARATIVE ANALYSIS & ASTM E1300-02 GLASS LOAD RESISTANCE
12) POSITIVE DESIGN LOADS BASED ON COMPARATIVE ANALYSIS & MAXIMUM WATER TEST PRESSURE.
13) IF EXACT WINDOW SIZE IS NOT SHOWN IN CHART, ROUND UP TO NEXT LARGEST SIZE.
14) MAXIMUM ALLOWABLE NEGATIVE DESIGN PRESSURE IS CAPPED AT 120PSF.

SYM	REVISION	DATE	BY

L. Roberto Urrutia
Florida P.E. No. 62514
PTC
1535 N. Cogswell Street, Suite C-20
Rockledge, Florida 32955

CUSTOM WINDOW SYSTEMS, INC.
981 N. E. 16th STREET
OCALA, FLORIDA 34470

SERIES 7000 3-PNL AND 2-PNL. H.R.
ELEVATION AND NOTES

PTC LLC

DRN: JRM	DATE: 4-15-06
SCALE: NTS	DWG. NO: CUS-0007
REV:	SHEET: 1 OF 6

MAXIMUM DESIGN PRESSURE CHART
WITH DSB ANNEALED
FOR XOX CONFIGURATION

MAX. HEIGHT (IN)	MAX. UNIT WIDTH (IN) 48.0		54.0		60.0		66.0		72.0		78.0		80.88	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
24.0	40.0	95.0	40.0	90.1	40.0	73.0	40.0	70.3	40.0	59.1	40.0	57.6	40.0	53.5
30.0	–	–	–	–										

MAXIMUM DESIGN PRESSURE CHART
WITH 3/16" ANNEALED
FOR XOX CONFIGURATION

MAX. HEIGHT (IN)	MAX. UNIT WIDTH (IN) 48.0		54.0		60.0		66.0		72.0		78.0		80.88	
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG
24.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30.0		95.0		90.1	–	–	–	–	–	–	–	–	–	–
36.0						73.0		70.3						
42.0		79.2		79.2										
48.0	40.0	60.6	40.0	60.6	40.0	60.6	40.0	60.6	40.0	59.1	40.0	57.6	40.0	53.5
54.0		64.6		63.8		63.8		63.8						
60.0		53.9		52.2		51.7		51.7		51.7		51.3		50.5
67.0		45.1		43.1		41.9		41.5		41.5		41.5		41.5

NUMBER OF ANCHORS
AT HEAD & SILL AND JAMBS
OR XOX CONFIGURATION

MAX. HEIGHT (IN)	MAX. UNIT WIDTH (IN) 48.0		54.0		60.0		66.0		72.0		78.0		80.88	
	H&S	JAMB	H&S	JAMB	H&S	JAMB	H&S	JAMB	H&S	JAMB	H&S	JAMB	H&S	JAMB
24.0		2		2		2		2		2		2		2
30.0														
36.0														
42.0		3		3		3		3		3		3		3
48.0	5		6		6		7		7		8		8	
54.0														
60.0		4		4		4		4		4		4		4
67.0														

SYM	REVISION	DATE	BY

6/15/06

L. Roberto Lomas
Florida P. E. No. 62514
PTC, LLC
Coggswell Street, Suite C-28
Rockledge, Florida 32955

CUSTOM WINDOW SYSTEMS, INC.
981 N. E. 16th STREET
OCALA, FLORIDA 34470

SERIES 7000 3-PNL AND 2-PNL. H.R.
DESIGN PRESSURE AND ANCHOR CHARTS (XOX)

PREPARED BY: PTC, LLC

DWN: JRM
SCALE: NTS
DATE: 4-15-06
DWG NO: CUS-0007
SHEET: 2 OF 6

MAXIMUM DESIGN PRESSURE CHART WITH DSB ANNEALED FOR OX, XO CONFIGURATION

MAX. HEIGHT (IN)	MAX. UNIT WIDTH (IN) 24.0 POS	24.0 NEG	30.0 POS	30.0 NEG	36.0 POS	36.0 NEG	42.0 POS	42.0 NEG	48.0 POS	48.0 NEG	54.0 POS	54.0 NEG	60.0 POS	60.0 NEG	66.0 POS	66.0 NEG	71.25 POS	71.25 NEG
24.0	40.0	120.0	40.0	120.0	40.0	120.0	40.0	99.3	40.0	95	40.0	90.1	40.0	73.0	40.0	70.3	40.0	60.4
30.0		107.7		103.4		103.4												
36.0		120.0		110.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.0		97.0		86.2														
48.0		80.8		70.5														
54.0		92.3		79.6														
60.0		80.8		68.9														
67.0		70.5		59.7														

MAXIMUM DESIGN PRESSURE CHART WITH 3/16" ANNEALED FOR OX, XO CONFIGURATION

MAX. HEIGHT (IN)	MAX. UNIT WIDTH (IN) 24.0 POS	24.0 NEG	30.0 POS	30.0 NEG	36.0 POS	36.0 NEG	42.0 POS	42.0 NEG	48.0 POS	48.0 NEG	54.0 POS	54.0 NEG	60.0 POS	60.0 NEG	66.0 POS	66.0 NEG	71.25 POS	71.25 NEG
24.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.0																		
36.0					40.0	107.7	40.0	99.3	40.0	95.0	40.0	90.1	40.0	73.0	40.0	70.3	40.0	60.4
42.0						80.8		79.2		79.2		79.2						
48.0						64.6		61.6		60.6		60.6		60.8		60.6		
54.0						71.8		67.2		64.6		60.5		56.5		53.4		51.3
60.0						61.6		56.8		53.9		52.2		49.0		46.1		44.0
67.0						52.8		48.2		45.1		43.1		41.9	39.7	39.7	37.7	37.7

SYM	REVISION	DATE	BY

A. Roberto Lamas
Florida P. E. No. 62514
PTC, LLC
4835 N. Cocoa Blvd, Suite C-2
Rockledge, Florida 32955

CUSTOM WINDOW SYSTEMS, INC.
981 N. E. 16th STREET
OCALA, FLORIDA 34470

TITLE: SERIES 7000 3-PNL AND 2-PNL. H.R. DESIGN PRESSURE CHARTS (OX, XO)

PREPARED BY: PTC, LLC

DWN: JRM | DATE: 4-15-06 | SCALE: NTS | DWG. NO.: CUS-0007 | REV: | SHEET: 3 OF 6

NUMBER OF ANCHORS AT HEAD & SILL AND JAMBS FOR OX, XO CONFIGURATION																		
MAX. HEIGHT (IN)	MAX. UNIT WIDTH (IN)																	
	24.0		30.0		36.0		42.0		48.0		54.0		60.0		66.0		71.25	
	H&S	JAMB	H&S	JAMB	H&S	JAMB	H&S	JAMB	H&S	JAMB	H&S	JAMB	H&S	JAMB	H&S	JAMB	H&S	JAMB
24.0	3	2	3	2	4	2	4	2	5	2	6	2	6	2	7	2	7	2
30.0																		
36.0		3		3		3		3		3		3		3		3		3
42.0																		
48.0																		
54.0		4		4		4		4		4		4		4		4		4
60.0																		
67.0																		

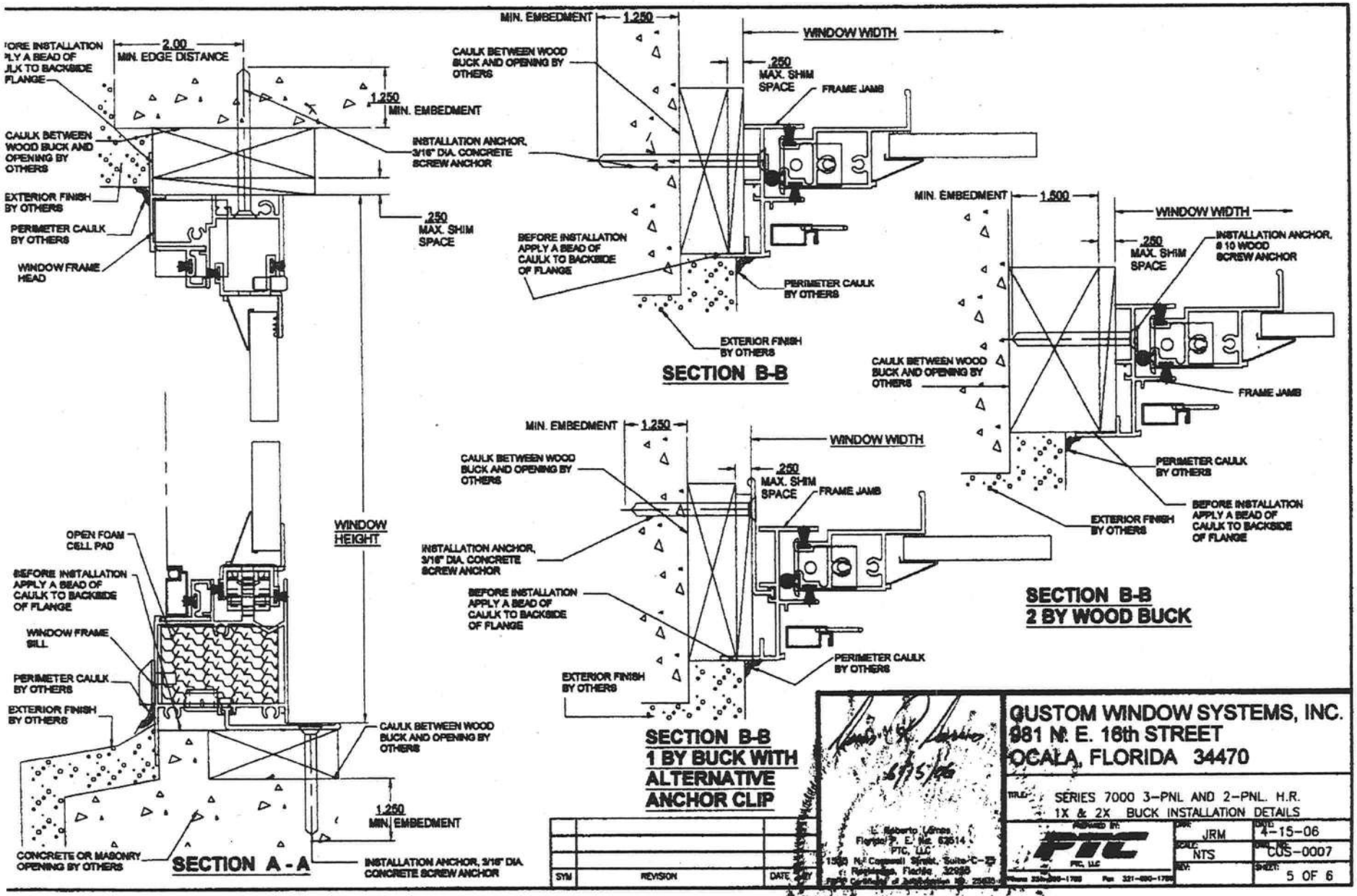
SYM	REVISION	DATE	BY

CUSTOM WINDOW SYSTEMS, INC.
981 N. E. 16th STREET
OCALA, FLORIDA 34470

TITLE: SERIES 7000 3-PNL AND 2-PNL. H.R.
ANCHOR CHART (OX, XO)

PREPARED BY: PTC, LLC

DRAWN BY: JRM
SCALE: NTS
REV:
DATE: 4-15-06
DWG NO: COS-0007
SHEET: 4 OF 6


ORE INSTALLATION
LY A BEAD OF
LK TO BACKSIDE
FLANGE
2.00
MIN. EDGE DISTANCE
1.250
MIN. EMBEDMENT
CAULK BETWEEN
WOOD BUCK AND
OPENING BY
OTHERS
EXTERIOR FINISH
BY OTHERS
PERIMETER CAULK
BY OTHERS
WINDOW FRAME
HEAD
INSTALLATION ANCHOR,
3/16" DIA. CONCRETE
SCREW ANCHOR
.250
MAX. SHIM
SPACE
WINDOW
HEIGHT
OPEN FOAM
CELL PAD
BEFORE INSTALLATION
APPLY A BEAD OF
CAULK TO BACKSIDE
OF FLANGE
WINDOW FRAME
SILL
PERIMETER CAULK
BY OTHERS
EXTERIOR FINISH
BY OTHERS
CAULK BETWEEN WOOD
BUCK AND OPENING BY
OTHERS
1.250
MIN. EMBEDMENT
CONCRETE OR MASONRY
OPENING BY OTHERS
INSTALLATION ANCHOR, 3/16" DIA.
CONCRETE SCREW ANCHOR
SECTION A - A
MIN. EMBEDMENT
1.250
WINDOW WIDTH
CAULK BETWEEN WOOD
BUCK AND OPENING BY
OTHERS
.250
MAX. SHIM
SPACE
FRAME JAMB
BEFORE INSTALLATION
APPLY A BEAD OF
CAULK TO BACKSIDE
OF FLANGE
PERIMETER CAULK
BY OTHERS
EXTERIOR FINISH
BY OTHERS
SECTION B-B
MIN. EMBEDMENT
1.500
WINDOW WIDTH
.250
MAX. SHIM
SPACE
INSTALLATION ANCHOR,
#10 WOOD
SCREW ANCHOR
CAULK BETWEEN WOOD
BUCK AND OPENING BY
OTHERS
FRAME JAMB
PERIMETER CAULK
BY OTHERS
EXTERIOR FINISH
BY OTHERS
BEFORE INSTALLATION
APPLY A BEAD OF
CAULK TO BACKSIDE
OF FLANGE
SECTION B-B
2 BY WOOD BUCK
MIN. EMBEDMENT
1.250
WINDOW WIDTH
CAULK BETWEEN WOOD
BUCK AND OPENING BY
OTHERS
.250
MAX. SHIM
SPACE
FRAME JAMB
INSTALLATION ANCHOR,
3/16" DIA. CONCRETE
SCREW ANCHOR
BEFORE INSTALLATION
APPLY A BEAD OF
CAULK TO BACKSIDE
OF FLANGE
PERIMETER CAULK
BY OTHERS
EXTERIOR FINISH
BY OTHERS
SECTION B-B
1 BY BUCK WITH
ALTERNATIVE
ANCHOR CLIP
SYM
REVISION
DATE
BY
6/15/06
L. Roberto Llanes
Florida P. E. No. 63614
PTC, LLC
1500 N. Cogswell Street, Suite C-23
Plant City, Florida 33563
CUSTOM WINDOW SYSTEMS, INC.
981 N. E. 16th STREET
OCALA, FLORIDA 34470
TITLE:
SERIES 7000 3-PNL AND 2-PNL. H.R.
1X & 2X BUCK INSTALLATION DETAILS
PTC, LLC
DRAWN BY:
JRM
DATE:
4-15-06
SCALE:
NTS
DWG. NO.
CUS-0007
REV:
SHEET:
5 OF 6

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	MASONITE	36" Steel	FL 4940.1
B. SLIDING			
C. SECTIONAL/ROLL UP	AMARR	HERITAGE 9 x 7	FL 5302.5
D. OTHER		16 x 7	FL 5302.9
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER	CUSTOM WINDOWS	30" x 48" Model 7000 SPS	FL 153-R1
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	KAYCAN	D-4 AVANTI VINYL	FL 4905.1
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER	HARDIE PROD.	HARDIBOARD	FL 889-R2
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	GAF	25 T.R OR 30 A.R.	FL 183.8
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER	FL. Metal Prod. INC.	VENT RV 10	FL 2075-R1
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Tom A. Grahling
APPLICANT SIGNATURE

3.20.08
DATE

R-1305 01-04

SMC Pest Management
2310 NW 66 Street
Ocala, Fl 34475
352-671-3371

NOTICE OF INTENT FOR PREVENTATIVE TREATMENTS FOR TERMITES

Address or Lot# 10001 C.R. # 245
Lake City, Fl. 32025

Date_____

Bora-Care Termiticide (Wood Treatment)
Product used

Disodium Octaborate Tetrrahdrate **23% Active Ingredient**
Chemical used Percent Concentration

Application Will Be performed Onto Structural wood At dried in Stage of construction Bora-Care Termiticide application shall be applied according to EPA registered label directions as stated in the FBC section 1816.8

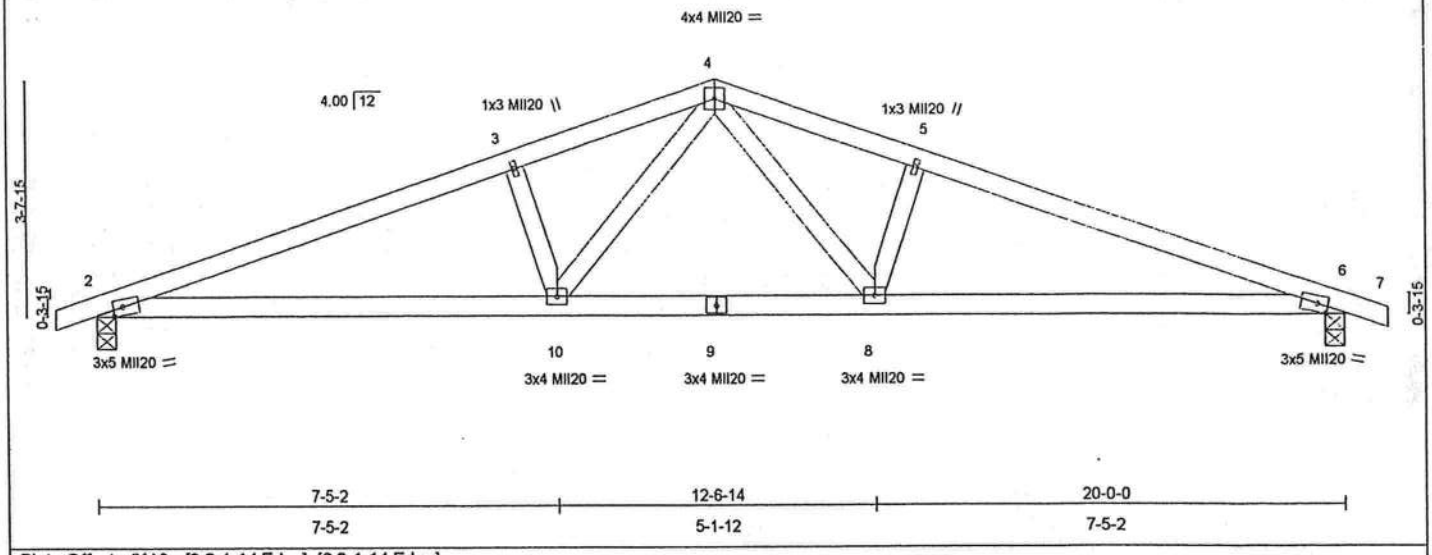
Bora-Care treatment applied at factory w/ certification

Job	Truss	Truss Type	Qty	Ply	
ST1150110	4 - 5A	FINK	1	1	Job Reference (optional)

MASTER GARAGE BUILDERS, FORIDA — 6.200 e Jul 13 2005 MiTek Industries, Inc. Fri Nov 11 15:27:21 2005 Page 1

0-8-0 | 6-9-3 | 10-0-0 | 13-2-13 | 20-0-0 | 20-8-0
0-8-0 | 6-9-3 | 3-2-13 | 3-2-13 | 6-9-3 | 0-8-0

Scale = 1:35.9



7-5-2 | 12-6-14 | 20-0-0
7-5-2 | 5-1-12 | 7-5-2

Plate Offsets (X,Y): [2:0-1-14,Edge], [6:0-1-14,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.67	Vert(LL)	0.17	2-10	>999	360	MII20	197/144
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.29	2-10	>826	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(TL)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 63 lb	

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 4 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-0 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 5-4-5 oc bracing.

REACTIONS (lb/size) 6=773/0-3-8, 2=773/0-3-8
Max Horz 2=-96(load case 4)
Max Uplift6=-606(load case 6), 2=-606(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-1625/1102, 3-4=-1517/1120, 4-5=-1517/1121, 5-6=-1625/1102, 6-7=0/10
BOT CHORD 2-10=-1017/1486, 9-10=-605/1064, 8-9=-605/1064, 6-8=-925/1486
WEBS 3-10=-309/430, 4-10=-468/556, 4-8=-468/556, 5-8=-309/430

NOTES (6)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 130mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 606 lb uplift at joint 6 and 606 lb uplift at joint 2.

LOAD CASE(S)
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-6=-20
2) UBC: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-14, 2-6=-40
3) MWFRS Wind Left: Lumber Increase=1.33, Plate Increase=1.33

JAN 16 2008

Continued on page 2

MiTek
POWER TO PERFORM.
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

LOAD CASE(S)

Uniform Loads (plf)
Vert: 1-2=101, 2-4=70, 4-6=45, 6-7=34, 2-6=-10
Horz: 1-2=-109, 2-4=-78, 4-6=53, 6-7=42

4) MWFRS Wind Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=34, 2-4=45, 4-6=70, 6-7=101, 2-6=-10
Horz: 1-2=-42, 2-4=-53, 4-6=78, 6-7=109

5) MWFRS 1st Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=101, 2-4=70, 4-6=46, 6-7=35, 2-6=-10
Horz: 1-2=-109, 2-4=-78, 4-6=54, 6-7=43

6) MWFRS 2nd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=35, 2-4=46, 4-6=70, 6-7=101, 2-6=-10
Horz: 1-2=-43, 2-4=-54, 4-6=78, 6-7=109

7) MWFRS 3rd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=67, 2-4=36, 4-6=26, 6-7=15, 2-6=-10
Horz: 1-2=-76, 2-4=-44, 4-6=34, 6-7=23

8) MWFRS 4th Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=15, 2-4=26, 4-6=36, 6-7=67, 2-6=-10
Horz: 1-2=-23, 2-4=-34, 4-6=44, 6-7=76

9) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-14, 2-6=-20

10) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-54, 2-6=-20

Job	Truss	Truss Type	Qty	Ply	
ST1150110	4 - 6A	FINK	1	1	Job Reference (optional) Scale = 1:36.0

MASTER GARAGE BUILDERS, FORIDA — 6.200 e Jul 13 2005 MiTek Industries, Inc. Fri Nov 11 15:23:49 2005 Page 1

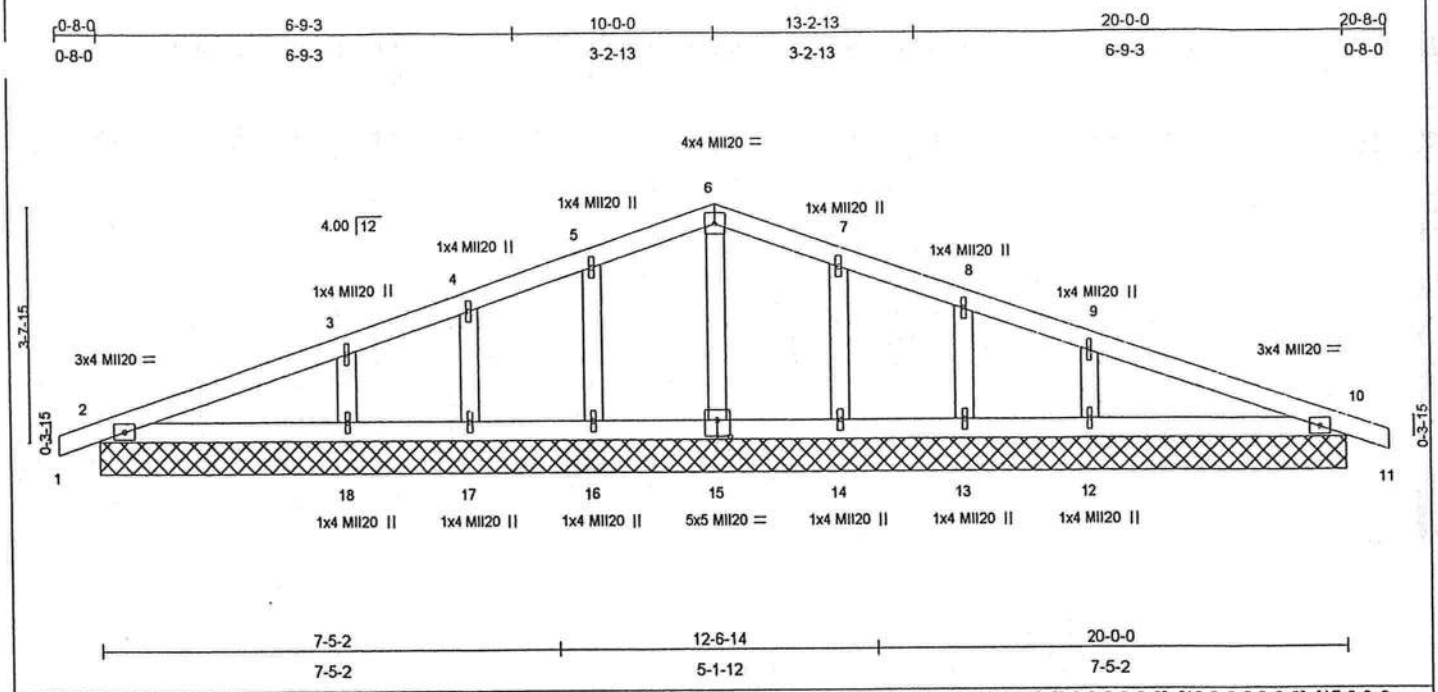


Plate Offsets (X,Y): [2:0-0-0,0-0-0], [3:0-0-0,0-0-0], [4:0-0-0,0-0-0], [5:0-0-0,0-0-0], [6:0-0-0,0-0-0], [7:0-0-0,0-0-0], [8:0-0-0,0-0-0], [9:0-0-0,0-0-0], [10:0-0-0,0-0-0], [15:0-2-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	0.00	11	n/r	360	MII20	197/144
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	0.01	11	n/r	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 64 lb	

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
OTHERS 2 X 4 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. [P]
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 10=163/20-0-0, 2=163/20-0-0, 15=136/20-0-0, 16=165/20-0-0, 17=84/20-0-0, 18=296/20-0-0, 14=165/20-0-0, 13=84/20-0-0, 12=296/20-0-0
Max Horz 2=96(load case 3)
Max Uplift 10=-163(load case 6), 2=-149(load case 5), 15=-10(load case 3), 16=-150(load case 3), 17=-82(load case 5), 18=-267(load case 3), 14=-149(load case 4), 13=-83(load case 6), 12=-266(load case 4)
Max Grav 10=163(load case 1), 2=163(load case 1), 15=136(load case 1), 16=169(load case 9), 17=84(load case 1), 18=296(load case 9), 14=169(load case 10), 13=84(load case 1), 12=296(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/10, 2-3=-72/54, 3-4=-33/117, 4-5=-21/145, 5-6=-24/183, 6-7=-24/176, 7-8=-21/118, 8-9=-33/78, 9-10=-38/34, 10-11=0/10
BOT CHORD 2-18=0/94, 17-18=0/94, 16-17=0/94, 15-16=0/94, 14-15=0/94, 13-14=0/94, 12-13=0/94, 10-12=0/94
WEBS 6-15=-100/31, 5-16=-122/169, 4-17=-69/109, 3-18=-202/276, 7-14=-122/168, 8-13=-69/109, 9-12=-202/276

NOTES (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 130mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Plates checked for a plus or minus 0 degree rotation about its center.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 163 lb uplift at joint 10, 149 lb uplift at joint 2, 10 lb uplift at joint 15, 150 lb uplift at joint 16, 82 lb uplift at joint 17, 267 lb uplift at joint 18, 149 lb uplift at joint 14, 83 lb uplift at joint 13 and 266 lb uplift at joint 12.

JAN 16 2008

Continued on page 2

MiTek
POWER TO PERFORM.
14515 N. Outer Forty, Suite #300
Chesterfield, MO 63017

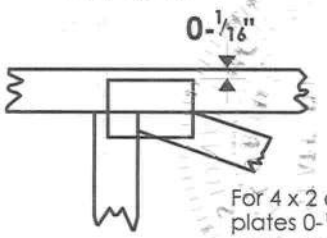
LOAD CASE(S)

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-54, 6-11=-54, 2-10=-20
2) UBC: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-14, 6-11=-14, 2-10=-40
3) MWFRS Wind Left: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 1-2=101, 2-6=70, 6-10=45, 10-11=34, 2-10=-10
   Horz: 1-2=-109, 2-6=-78, 6-10=53, 10-11=42
4) MWFRS Wind Right: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 1-2=34, 2-6=45, 6-10=70, 10-11=101, 2-10=-10
   Horz: 1-2=-42, 2-6=-53, 6-10=78, 10-11=109
5) MWFRS 1st Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 1-2=101, 2-6=70, 6-10=46, 10-11=35, 2-10=-10
   Horz: 1-2=-109, 2-6=-78, 6-10=54, 10-11=43
6) MWFRS 2nd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 1-2=35, 2-6=46, 6-10=70, 10-11=101, 2-10=-10
   Horz: 1-2=-43, 2-6=-54, 6-10=78, 10-11=109
7) MWFRS 3rd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 1-2=67, 2-6=36, 6-10=26, 10-11=15, 2-10=-10
   Horz: 1-2=-76, 2-6=-44, 6-10=34, 10-11=23
8) MWFRS 4th Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
   Vert: 1-2=15, 2-6=26, 6-10=36, 10-11=67, 2-10=-10
   Horz: 1-2=-23, 2-6=-34, 6-10=44, 10-11=76
9) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-54, 6-11=-14, 2-10=-20
10) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-14, 6-11=-54, 2-10=-20

Symbols

PLATE LOCATION AND ORIENTATION

Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

***Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

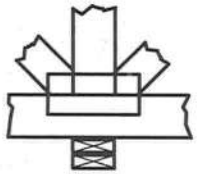
4 x 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION

Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

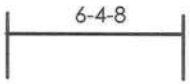


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

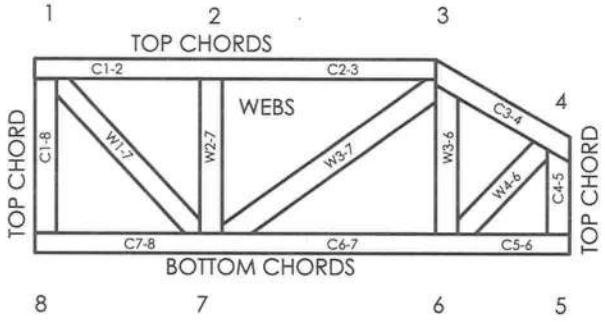
Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI1: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths
(Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ER-5243, 9604B,
9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

MiTek®
POWER TO PERFORM.™

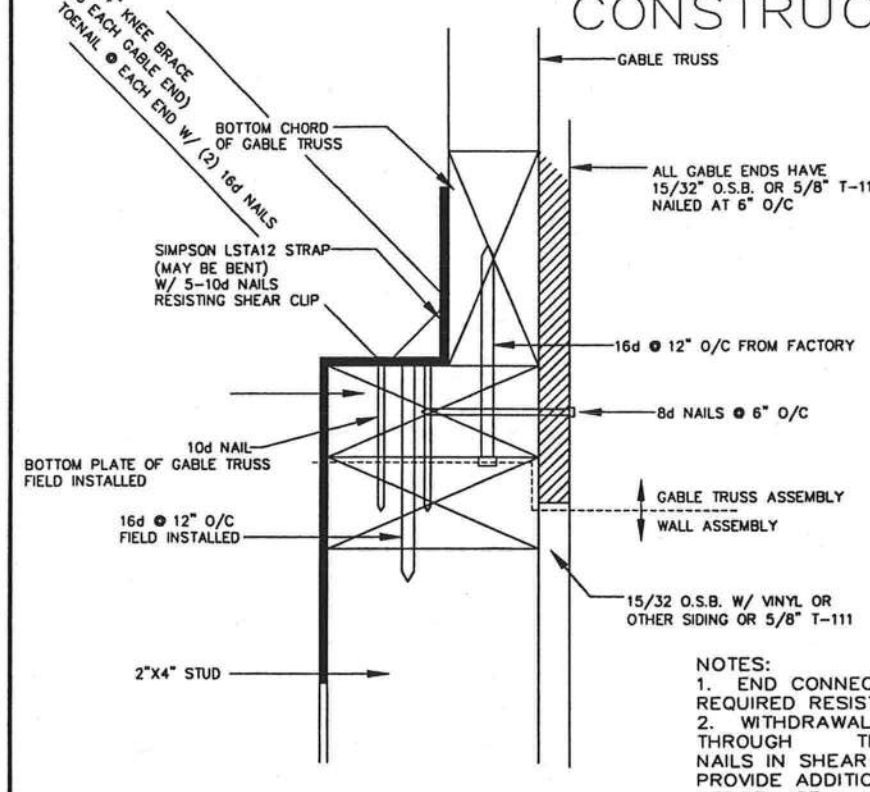
MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI1.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

CONSTRUCTION DETAILS for MASTER GARAGE BUILDERS, INC.



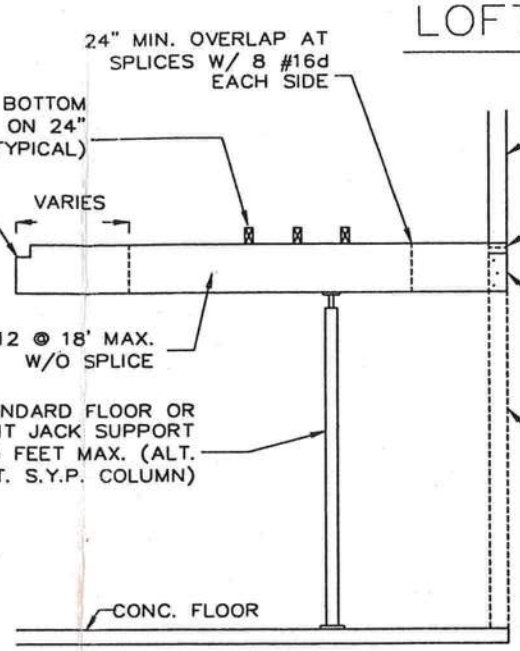
TYPICAL SECTION OF GABLE TRUSS CONNECTION

SCALE: N.T.S.

NOTES:
1. END CONNECTION OF GABLE TRUSS PROVIDES REQUIRED RESISTANCE TO UPLIFT.
2. WITHDRAWAL VALUES FROM 16d NAILS THROUGH TRUSS BOTTOM CHORD, 8d OR 10d NAILS IN SHEAR CLIP & 8d NAILS IN O.S.B. PROVIDE ADDITIONAL UPLIFT & SHEAR RESISTANCE.
3. THIS DETAIL INDICATES CONNECTIONS TO PROVIDE SHEAR RESISTANCE FOR GABLE TRUSS.

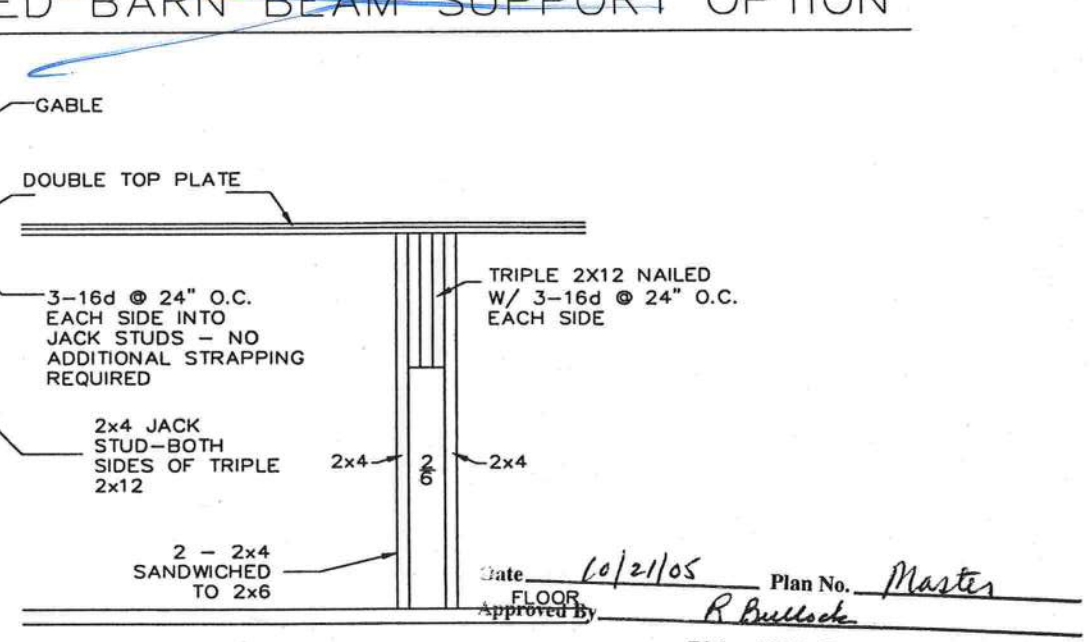
SPLICES MAY OCCUR @ 18' MAX. BUT MAY BE LESS DUE TO BUILDING LENGTH

LOFTED BARN BEAM SUPPORT OPTION



$EE MASTER PLAN FOR FLOOR DETAILS

SIDE VIEW

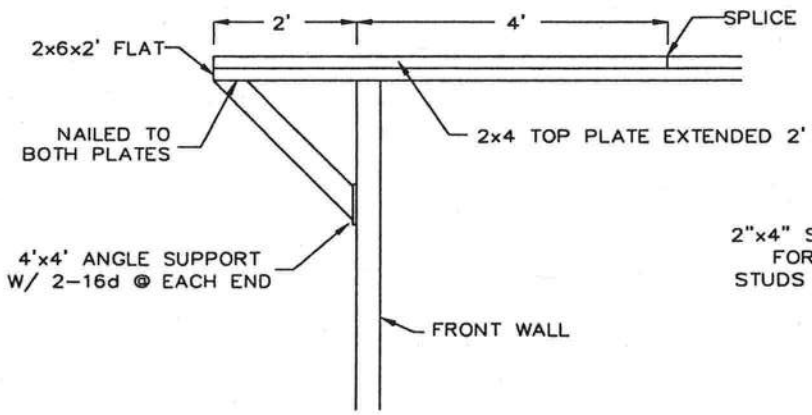


FRONT VIEW

Date 10/21/05 Plan No. Master
Approved By R Bullock
Richard L. Bullock
Modular Building Plans Examiner Florida Certificate SMP 003

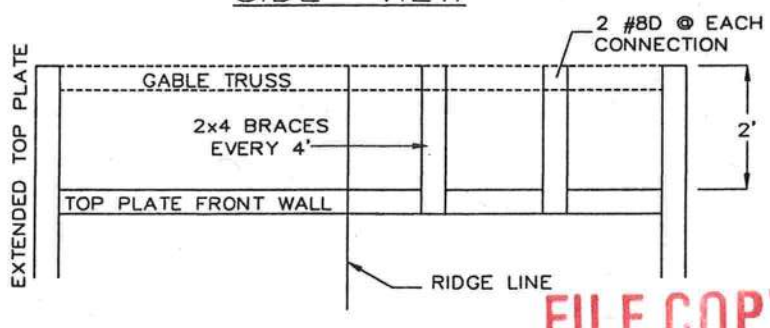
"APPROVED" DOCUMENT

PROTRUDING GABLE OPTION



SEE MASTER PLAN FOR FASTENING REQUIREMENTS FOR STANDARD BUILDING COMPONENTS

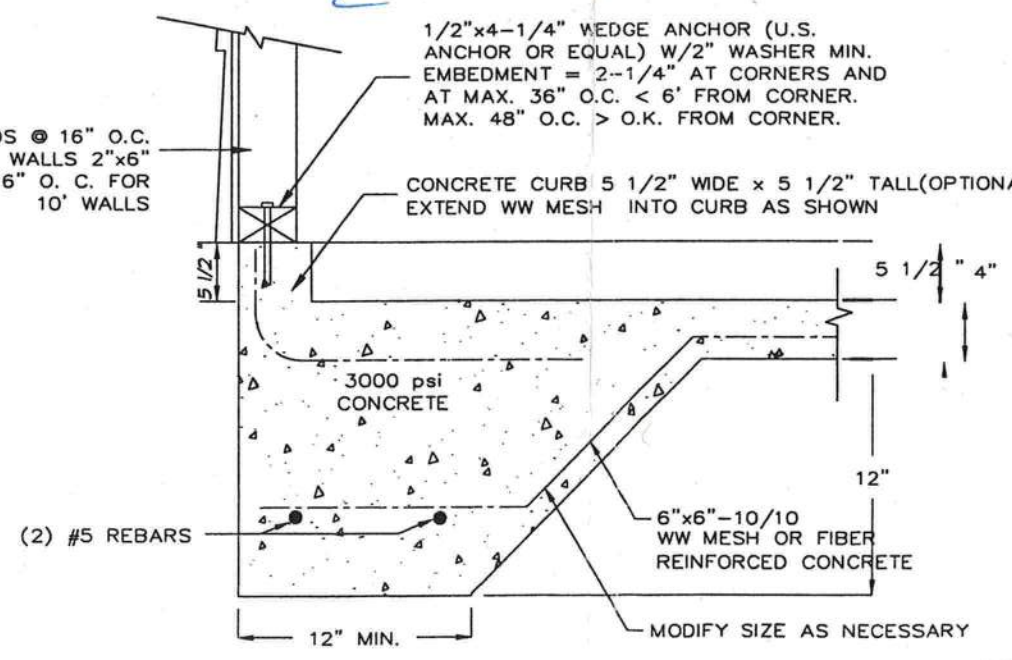
SIDE VIEW



TOP VIEW

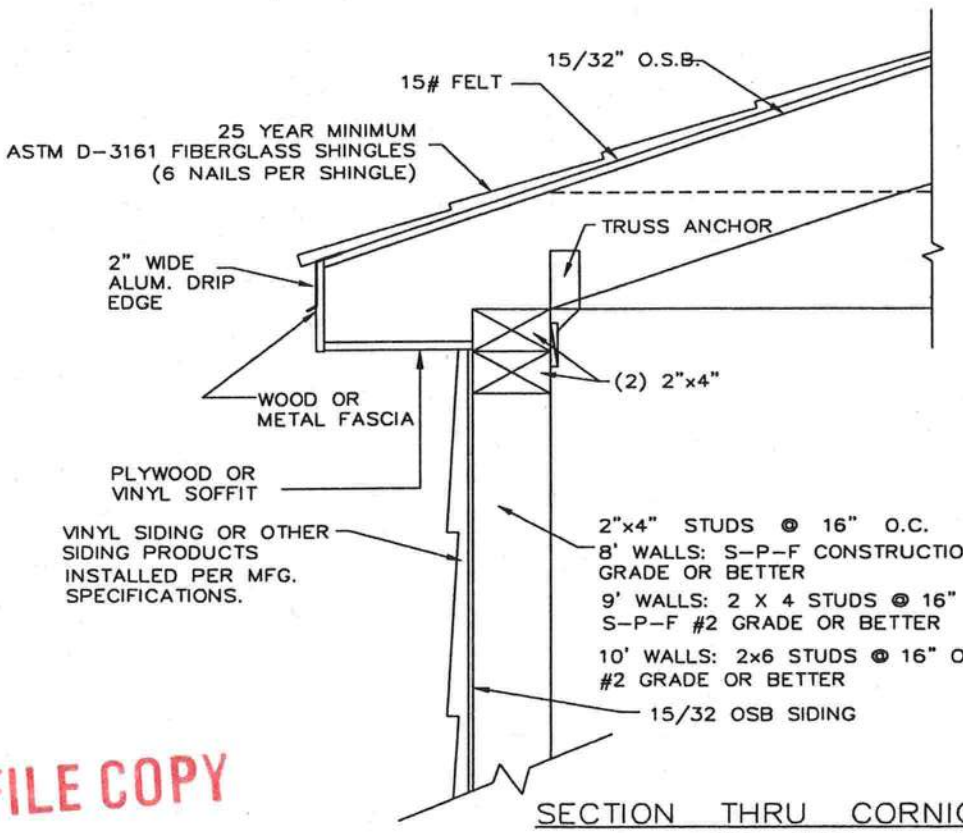
FILE COPY

CURB FOOTING OPTION



SECTION THRU CURB FOOTING

SCALE: N.T.S.



SECTION THRU CORNICE

SCALE: N.T.S.

FILE COPY

ALL VIEWS NOT TO SCALE

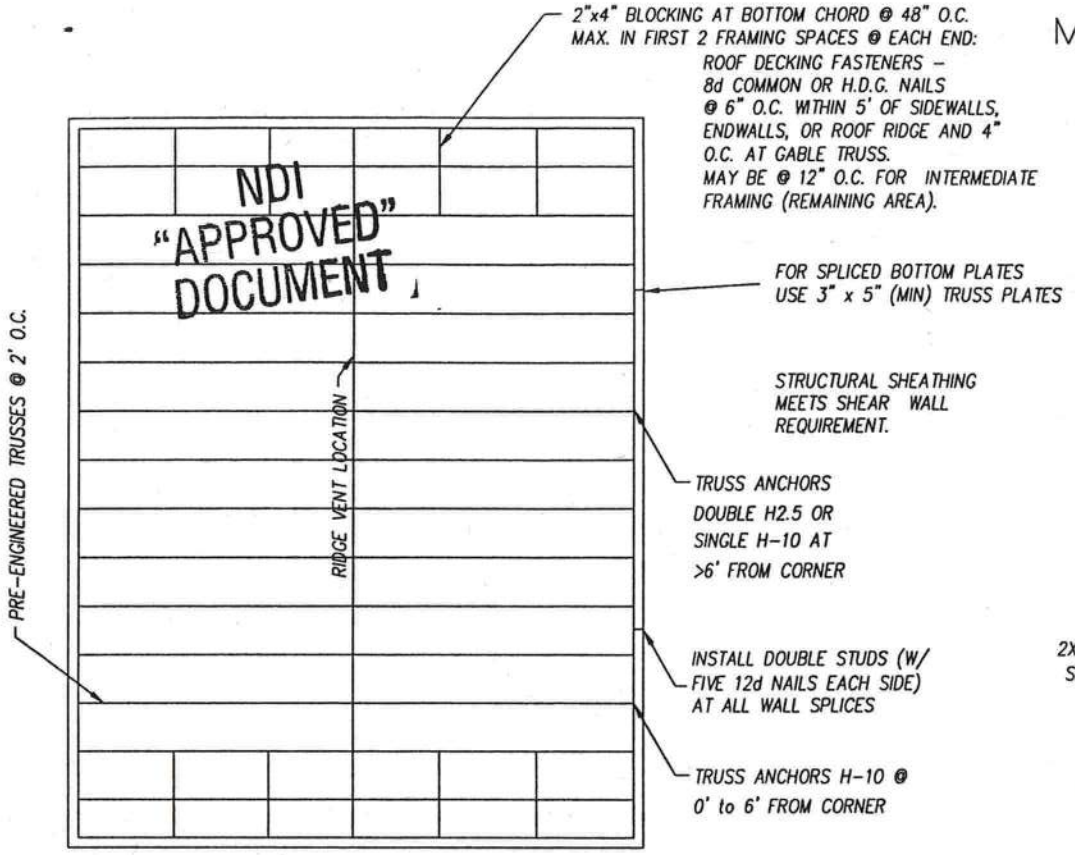
MICHAEL W. RADCLIFFE ENGINEERING, INC.
2611 S.E. Lake Weir Avenue Ocala, FL (352) 629-5500 FAX (352) 629-1010

10/17/05

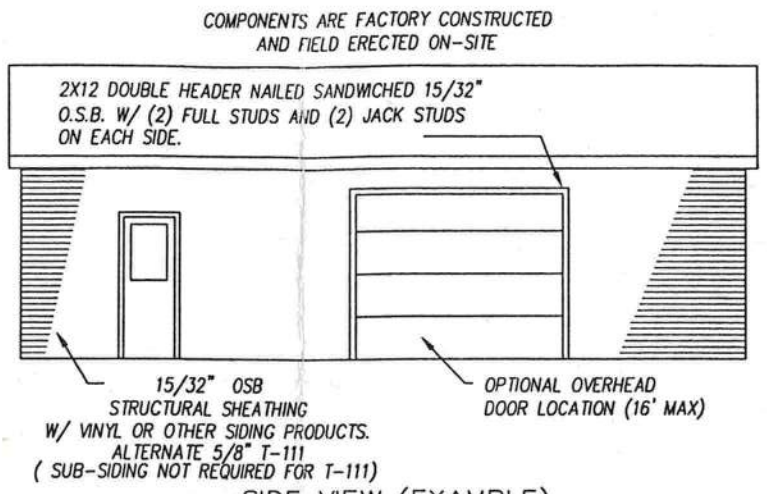
DATE: 10/10/05 LATEST REVISION

FILE: MASTER3-FBC 2004.dwg ©
SHEET: 3 OF 3

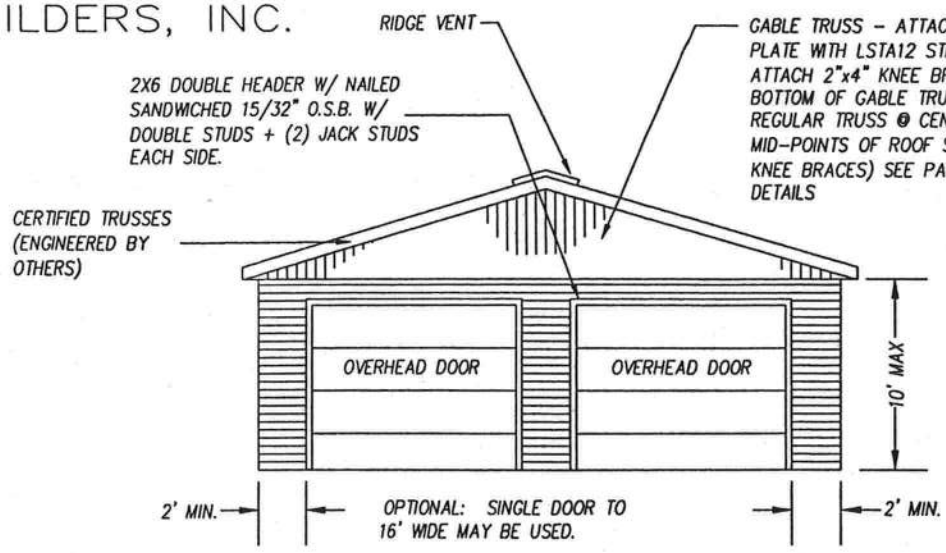
MASTER PLAN for MASTER GARAGE BUILDERS, INC.



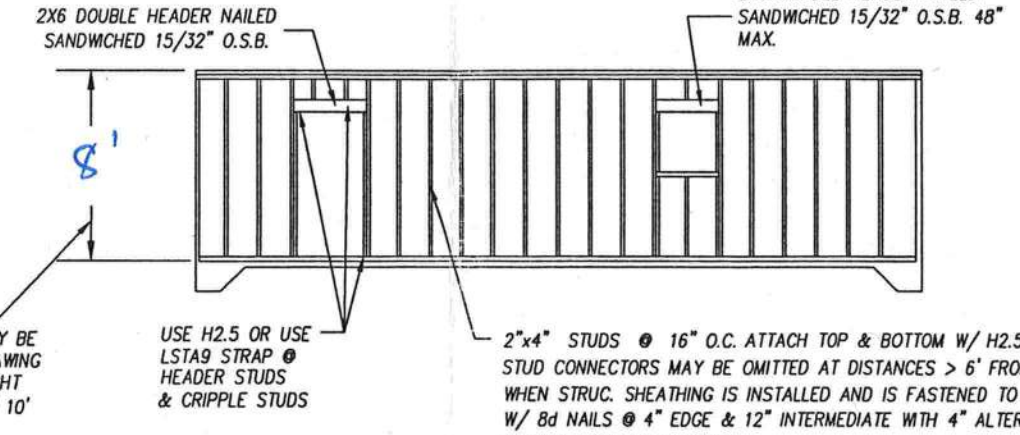
ROOF FRAMING PLAN @ 1/8" = 1'=0"



SIDE VIEW (EXAMPLE)



FRONT VIEW (EXAMPLE)



SIDE FRAMING ELEVATION @ 1/8" = 1'–0"

18'

24'

Date 10/21/05 Plan No. Master
Approved By R Bullock
Richard L. Bullock
Modular Building Plans Examiner Florida Certificate #MP

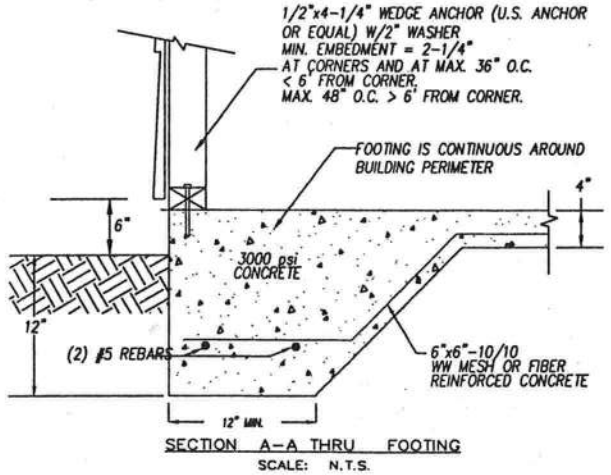
A A

ACTUAL WIDTH AND LENGTH MAY BE NOTED ON THIS DRAWING FOR INDIVIDUAL BUILDING PERMIT, AS LONG AS DIMENSIONS DO NOT EXCEED 30' WIDTH OR 60' LENGTH APPLICANTS MAY SELECT OPTIONS SHOWN THEREON.

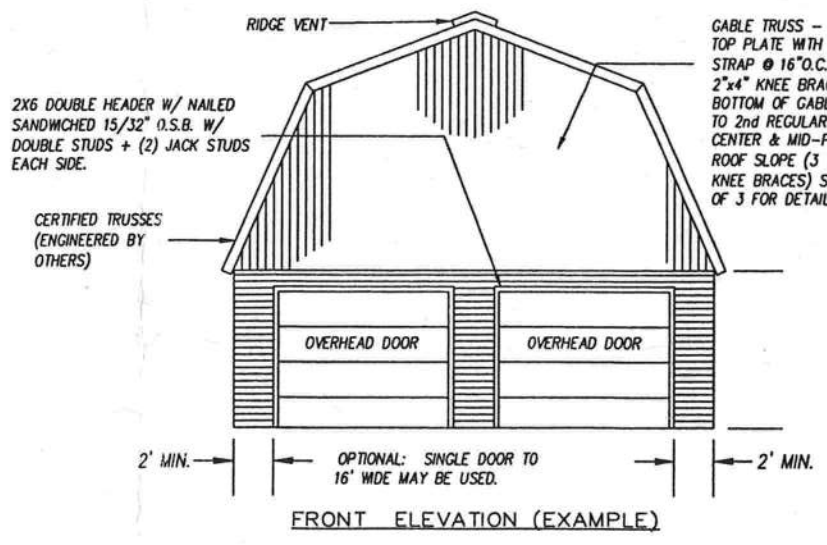
These Plans are Designed to the Florida Manufactured Bld. Act and adopted Codes and Adhere to the following Criteria:
Construction Type V
Occupancy R-3
Allowable # floors 1
Wind Velocity 130
Fire Rating of Ext. Walls 0
Plan # Master
Allow. Floor Load —
Approval Date 10/21/05
Manf. MGB

Approval of this Document does not Authorize or Approve any Deviation From the requirements of applicable State Laws

FLOOR PLAN @ 1/8" = 1'=0"



SECTION A–A THRU FOOTING
SCALE: N.T.S.



FRONT ELEVATION (EXAMPLE)

NOTES:

1. BUILDING DESIGN DETERMINATION OF WIND FORCES PER FLORIDA BUILDING CODE (FBC) 2004, LATEST REVISION, SECTION 1609.1.1, EXCEPTION 3.
2. WIND FORCES ESTABLISHED BY SBCCI SSTD 10, LATEST REVISION, SUBJECT TO THE LIMITATIONS OF FBC 2004–BUILDING FOR A BASIC WIND SPEED OF 130 MPH (3–SECOND GUST) IN EXPOSURE CATEGORY B.
3. INFORMATION RELATED TO WIND LOADS PER FBC 2004 AS FOLLOWS:
   1. BASIC WIND SPEED : 130 MPH (3 SECOND GUST) 110 MPH (FASTEST MILE)
   2. WIND IMPORTANCE FACTOR : Tw = 0.77 BUILDING CATEGORY : 1
   3. WIND EXPOSURE : B
   4. INTERNAL PRESSURE COEFFICIENT : +/– 0.18 FOR ENCLOSED BUILDINGS
   5. COMPONENTS AND CLADDING : PER 1606.2.2.1 OF FBC 2001.
4. CONTRACTOR TO PROVIDE DATA FOR PROTECTION OF OPENINGS.
5. THIS DRAWING IS INTENDED FOR THE EXCLUSIVE USE OF MASTER GARAGE BUILDERS, INC. AND/OR THEIR AUTHORIZED AGENTS.
6. THIS DRAWING DESIGNED FOR A MAXIMUM SIZE BUILDING OF 30' WIDE BY 60' LONG BY 10' WALL HEIGHT.
7. ALL CONNECTOR MODEL #'S ARE SIMPSON UNLESS OTHERWISE NOTED. EQUIVALENT MODELS BY OTHER MANUFACTURER'S ARE ACCEPTABLE.
8. SEE PAGE 2 OF 3 FOR CONNECTION SCHEDULE.

MICHAEL W. RADCLIFFE ENGINEERING, INC.
2611 S.E. Lake Weir Avenue Ocala, FL (352) 629-5500 FAX (352) 629-1010
Certificate No. EB-0006198

10/17/05

DATE: 10/10/05 LATEST REVISION

FILE: MASTER1–FBC 2004.dwg
SHEET: 1 OF 3

COMPONENTS AND CLADDING TABLE

COMPONENT	EFFECTIVE AREA (S.F.) TABLE	EFFECTIVE AREA (S.F.) ACTUAL	ZONE	WIND SPEED (FASTEST 3-SECOND GUST IN M.P.H.) * 110	120	130
WINDOWS	10	7 - 9	4	27.3	32.5	38.1
			5	33.6	40.1	47.0
ENTRANCE DOORS	50	21 (3x7)	4	26.1	31.1	36.5
			5	31.4	37.4	43.9
GARAGE DOORS	50	56 (8x7)	4	24.6	29.3	34.4
			5	28.4	33.8	39.6
	70	INTERPOLATED (10x7)	4	24.2	26.6	32.2
			5	25.2	30.0	35.3
	100	112 (16x7)	4	23.6	29.0	33.8
			5	26.1	31.1	36.5

*WINDLOAD x 1.5 x Tw

NOTES:
- REFERENCES TO TABLES ARE PER FBC 2004-BUILDING OR SBCCI-SSTD 10 AS APPLICABLE.
- VALUES ARE FROM FBC 2004, TABLE 1609.6B (WALL), AND ARE MULTIPLIED BY 1.5 & 0.77 TO COMPLY WITH SECTION 1714 EXTERIOR DOOR ASSEMBLIES AND IMPORTANCE FACTOR (Tw) OF TABLE 1604.5. EXPOSURE ADJUSTMENT FACTOR IS 1.0.
- ZONE 4: REPRESENTS WALL AREAS NOT COVERED IN ZONE 5, SEE FIGURE 1609.6C OF FBC-BUILDING 2004.
- ZONE 5: REPRESENTS WALL AREAS WHERE 10% OF LEAST HORIZONTAL DIMENSION OR 0.4h, WHICH EVER IS SMALLER, BUT NOT LESS THAN EITHER 4% OF LEAST HORIZONTAL DIMENSION OR 3 FT. (1.0 M).
- LOAD VALUES ASSOCIATED WITH LOWER EFFECTIVE AREAS WERE USED WHERE APPLICABLE.

NDI "APPROVED" DOCUMENT

SHEAR WALL TABLE

MAXIMUM ALLOWABLE SHEAR END WALL
GARAGE DOOR OPENINGS
(30 FT. MAX.)

DOORS	TOTAL SHEAR WALL SEGMENT LENGTH	FRACTION SHEATHED	SHEAR REQUIRED PLF	SHEAR PROVIDED PLF
2-8' 1-16'	14	0.47	446 (1) 558 (2)	495 (3) 150# (4) 400# 585#
2-8' 1-16'	28 (5)	0.93	149 (6) 186 (7)	495 (3)
2-10'	20 (5)	0.67	285 (8) 356 (9)	495 (3)
2-12'	12 (5)	0.40	660 (10) 824 (11)	495 (3) 150# (4) 400# 585#

SHEAR WALLS REQUIRE HOLD DOWNS AT THE CORNER OF SHEAR WALL SEGMENTS.

FOR 8' & 10' HIGH WALLS THE MINIMUM SHEARWALL SEGMENT IS AS FOLLOWS:
0.3(8') = 2.4' FOR 8' WALLS
0.3(10') = 3.0' FOR 10' WALLS

DOUBLE SHEATHING MAY MEET MINIMUM SHEARWALL SEGMENT LENGTH PROVIDED IT IS >= 2'.

THE FULL PERIMETER OF THE STRUCTURE SHALL BE SHEATHED WITH STRUCTURAL SHEATHING.

NOTES: (FROM SBCCI SSTD 10, AS ALLOWED BY FBC 2004 R301.2.1.1)

(1) TABLES 305P2, 305P3
L/W=2, 8' WALL, 5H/6, SINGLE SHEATHING
110 MPH
310 PLF x 0.8 (EAVE REDUCTION) x 1.8 (ADJ FACTOR)

(2) TABLES 305P2, 305P3
L/W = 2, 10' WALL, 5H/6, SINGLE SHEATHING
110 MPH
310 PLF x 1.25 (10' WALL) x 0.8 (EAVE REDUCTION) x 1.8 (ADJ FACTOR)

(3) TABLE 305N1
STRUCTURAL 1 SHEATHING, 15/32 THICKNESS, 8d NAIL SIZE, 4" PANEL EDGE NAIL SPACING

(4) 150# PER SIMPSON H2.5 CLIP
400# PER SIMPSON H-7Z
585# PER SIMPSON H-10

(5) DOUBLE SHEATHING

(6) TABLES 305P2, 305P3
L/W = 2, 8' WALL, DOUBLE SHEATHING
110 MPH
169 PLF x 0.8 (EAVE REDUCTION) x 1.1 (ADJ FACTOR)

(7) L/W = 2, 10' WALL, DOUBLE SHEATHING
110 MPH
169 PLF x 1.25 (10' WALL) x 0.8 (EAVE REDUCTION) x 1.1 (ADJ FACTOR)

(8) TABLES 305P2, 305P3
L/W = 2, 8' WALL, DOUBLE SHEATHING
110 MPH
239 PLF x 0.8 (EAVE REDUCTION) x 1.49 (ADJ FACTOR)

(9) TABLES 305P2, 305P3
L/W = 2, 10' WALL, DOUBLE SHEATHING
110 MPH
239 PLF x 1.25 (10' WALL) x .08 (EAVE REDUCTION) x 1.49 (ADJ FACTOR)

(10) TABLES 305P2, 305P3
L/W = 2, 8' WALL, 110 MPH
434 PLF x 0.8 (EAVE REDUCTION) x 1.9 (ADJ FACTOR)

(11) TABLES 305P2, 305P3
L/W = 2, 10' WALL, 110 MPH
434 PLF x 1.25 (10' WALL) x 0.8 (EAVE REDUCTION) x 1.9 (ADJ FACTOR)

CONNECTION SCHEDULE

FOR UP TO 30' WIDTH AND 60' LENGTH
130 MPH (FASTEST 3-SECOND GUST)
110 MPH (FASTEST MILE) PER FBC 2004 R 301.2.1.1

LOCATION	CONNECTION TYPE & MODEL #	FASTENER SCHEDULE STUD	FASTENER SCHEDULE PLATE	REQUIRED UPLIFT	PROVIDED UPLIFT
BOTTOM PLATE TO FOUNDATION	KINGPIN 1/2"x4 1/4" WEDGE ANCHORS	N/A	AT CORNERS AND 4' O.C. OTHERWISE	418#/l.f. * 293#/l.f. **	446#/l.f. @ 6" o.c. 334#/l.f. @ 4' o.c.
STUDS TO TOP OR BOTTOM PLATE	SIMPSON H2.5	5-8d	5-8d	556#/STUD 389#/STUD	415 from H2.5 474#/from sheathing ***
TRUSS TO TOP PLATE	SIMPSON H7Z	8-8d	6-8d	832#/TRUSS	H7Z=985# +16d double toenail
	SIMPSON H2.5	5-8d	5-8d	582#/TRUSS	H2.5=415#(830dbl.)
	SIMPSON H-10	12-10d	8-8d		H10=990# +16d double toenail
GABLE TRUSS TO TOP PLATE (SHEAR)	SIMPSON LSTA12 & KNEE BRACES	MIN. 5-10d	MIN. 5-10d	90#/l.f.	970 #
WALL SHEATHING	15/32" OSB STRUCTURAL GRADE	8d @ 4" edge & 12" intermediate	8d @ 4" edge & 12" intermediate	418#/l.f. 293#/l.f.	474#/l.f.
HEADER STUDS CRIPPLE STUDS (PER 305.2.3 SSTD 10-96)	SIMPSON LSTA9 OR H2.5	4-10d 5-8d	4-10d 5-8d	418#/l.f. 293#/l.f.	725#/l.f. 415#/l.f.
DOOR HEADERS	SIMPSON LSTA9 OR H2.5	4-10d 5-8d	4-10d 5-8d	418#/l.f. 293#/l.f.	725#/l.f. 415#/l.f.

FOR RANGE OF VALUES IN CONNECTION SCHEDULE:

* HIGHER VALUES WITHIN 6' OF CORNERS, AND

** LOWER VALUES GREATER THAN 6' FROM CORNER.

*** USE 4" ALTERNATE DOUBLE ROW NAIL SPACING @TOP AND BOTTOM PANEL EDGES PER FIGURE 305S1 SBCCI-SSTD 10

FOR CONNECTION SPACING SEE SHEET 1 OF 3

EQUILAVENT BY OTHER MFG'S ARE ACCEPTABLE

WALL SHEATHING MUST BE NAILED WITH 8d NAILS @ 4" EDGE AND 8d NAILS @ 12" INTERMEDIATE WITH 4" ALTERNATE DOUBLE ROW SPACING

COMPARABLE AUTOMATIC GUN NAILS ARE ACCEPTABLE SUBSTITUTES FOR COMMON NAILS

STUDS @ 16" O.C. TRUSSES @ 24" O.C.
EAVE HEIGHTS 10' OR LESS

16d TOENAIL PROVIDES 26 # WITHDRAWAL VALUE PER INCH OF PENETRATION.

Plan No. Martes
Date 10/21/05
R Bullock
Richard L. Bullock
Florida Certificate
Approved Building Plans Examiner
Modular

SHEAR WALL TABLE

MAXIMUM ALLOWABLE SHEAR SIDE WALL
GARAGE DOOR OPENINGS
(30' X 30' BUILDING)

DOORS	TOTAL SHEAR WALL SEGMENT LENGTH	FRACTION SHEATHED	SHEAR REQUIRED PLF	SHEAR PROVIDED PLF
2-8' 1-16'	14	0.47	396 (1) 495 (2)	495 (3)
2-8' 1-16'	28 (4)	0.93	126 (5) 157 (6)	495 (3)
2-10'	20 (4)	0.67	239 (7) 301 (8)	495 (3)
2-12'	12 (4)	0.40	553 (9) 692 (10)	495 (3) 150# (11) 400# 585#

NOTES: (FROM SBCCI SSTD 10, AS ALLOWED BY FBC 2004 R301.2.1.1)

(1) TABLES 305P2, 305P3
L/W=1, 8' WALL, 5H/6, SINGLE SHEATHING
110 MPH
291 PLF x 0.8 (EAVE REDUCTION) x 1.7 (ADJ FACTOR)

(2) TABLES 305P2, 305P3
L/W = 1, 10' WALL, 5H/6, SINGLE SHEATHING
110 MPH
291 PLF x 1.25 (10' WALL) x 0.8 (EAVE REDUCTION) x 1.7 (ADJ FACTOR)

(3) TABLE 305N1
STRUCTURAL 1 SHEATHING, 15/32 THICKNESS, 8d NAIL SIZE, 4" PANEL EDGE NAIL SPACING

(4) DOUBLE SHEATHING

(5) TABLES 305P2, 305P3
L/W = 1, 8' WALL, DOUBLE SHEATHING
110 MPH
143 PLF x 0.8 (EAVE REDUCTION) x 1.1 (ADJ FACTOR)

(6) L/W = 1, 10' WALL, DOUBLE SHEATHING
110 MPH
143 PLF x 1.25 (10' WALL) x 0.8 (EAVE REDUCTION) x 1.1 (ADJ FACTOR)

(7) TABLES 305P2, 305P3
L/W = 1, 8' WALL, DOUBLE SHEATHING
110 MPH
202 PLF x 0.8 (EAVE REDUCTION) x 1.49 (ADJ FACTOR)

(8) TABLES 305P2, 305P3
L/W = 1, 10' WALL, DOUBLE SHEATHING
110 MPH
202 PLF x 1.25 (10' WALL) x .08 (EAVE REDUCTION) x 1.49 (ADJ FACTOR)

(9) TABLES 305P2, 305P3
L/W = 1, 8' WALL, 110 MPH
364 PLF x 0.8 (EAVE REDUCTION) x 1.9 (ADJ FACTOR)

(10) TABLES 305P2, 305P3
L/W = 1, 10' WALL, 110 MPH
364 PLF x 1.25 (10' WALL) x 0.8 (EAVE REDUCTION) x 1.9 (ADJ FACTOR)

(11) 150# PER SIMPSON H2.5 CLIP
400# PER SIMPSON H-7Z
585# PER SIMPSON H-10

SHEAR WALL TABLE

MAXIMUM ALLOWABLE SHEAR SIDE WALL
GARAGE DOOR OPENINGS
(60 FT. MAX.)

DOORS	TOTAL SHEAR WALL SEGMENT LENGTH	FRACTION SHEATHED	SHEAR REQUIRED PLF	SHEAR PROVIDED PLF
4-8 2-16	32	0.53	170 (1) 213 (2)	495 (3)
3-16 4-12	24 (4)	0.40	277 (5) 346 (6)	495 (3)

NOTES: (FROM SBCCI SSTD 10, AS ALLOWED BY FBC 2004 R301.2.1.1)

(1) TABLES 305P1, 305P3
L/W=2, 8' WALL, 5H/6, SINGLE SHEATHING
110 MPH
125 PLF x 0.8 (EAVE REDUCTION) x 1.7 (ADJ FACTOR)

(2) L/W=2, 10' WALL, 5H/6, SINGLE SHEATHING
110 MPH
125 PLF x 1.25 (10' WALL) x 0.8 (EAVE REDUCTION) x 1.7 (ADJ FACTOR)

(3) TABLE 305N1
STRUCTURAL 1 SHEATHING, 15/32 THICKNESS, 8d NAIL SIZE, 4" PANEL EDGE NAIL SPACING

(4) DOUBLE SHEATHING

(5) L/W=2, 8' WALL, DOUBLE SHEATHING, 110 MPH
182 PLF x 0.8 (EAVE REDUCTION) x 1.9 (ADJ FACTOR)

(6) L/W=2, 10' WALL, DOUBLE SHEATHED, 110 MPH
182 PLF x 1.25 (10' WALL) x 0.8 (EAVE REDUCTION) x 1.9 (ADJ FACTOR)

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10/17/05 ©

26964

SMC Pest Management
2310 NW 66 Street
Ocala, Fl 34475
352-671-3371

NOTICE OF INTENT FOR PREVENTATIVE TREATMENTS FOR TERMITES

Address or Lot# 10001 C.R. 245

Date_____

Bora-Care Termiticide (Wood Treatment)
Product used

Disodium Octaborate Tetrrahdrate **23% Active Ingredient**
Chemical used Percent Concentration

Application Will Be performed Onto Structural wood At dried in Stage of construction
Bora-Care Termiticide application shall be applied according to EPA registered label directions as stated in the FBC section 1816.8