

DATE 03/02/2011

Columbia County Building Permit
This Permit Must Be Prominently Posted on Premises During Construction**PERMIT**
000029226

APPLICANT MARY ANN CRAWFORD PHONE 752-5152
ADDRESS 853 SW SISTERS WELCOME RD LAKE CITY FL 32025
OWNER RICHARD & PATRICIA GRIEST PHONE _____
ADDRESS 597 SW INDIAN SPRINGS DR LAKE CITY FL 32055
CONTRACTOR STANLEY CRAWFORD PHONE 752-5152
LOCATION OF PROPERTY 90 W, R LAKE JEFFERY (CROSS I-75), L INDIAN SPRINGS RD,
R @ "Y" LOT ON LEFT
TYPE DEVELOPMENT DETACHED GARAGE ESTIMATED COST OF CONSTRUCTION 35000.00
HEATED FLOOR AREA 360.00 TOTAL AREA 1644.00 HEIGHT 23.00 STORIES 15
FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 10/12 FLOOR SLAB
LAND USE & ZONING AG-3 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 1 FLOOD ZONE NA DEVELOPMENT PERMIT NO. _____

PARCEL ID 12-3S-15-00167-028 SUBDIVISION OAK HAVEN
LOT 13 BLOCK B PHASE _____ UNIT 0 TOTAL ACRES 4.20

_____ RG0042896 _____
Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor _____
EXISTING NA BK TC N
Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: _____

Check # or Cash 2789**FOR BUILDING & ZONING DEPARTMENT ONLY**

(footer/Slab)

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

BUILDING PERMIT FEE \$ 175.00 CERTIFICATION FEE \$ 8.22 SURCHARGE FEE \$ 8.22
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$ _____
FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ _____ CULVERT FEE \$ _____ **TOTAL FEE** 241.44

INSPECTORS OFFICE _____

CLERKS OFFICE _____

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 NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

#29226



CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

P.O. Box 1625, Lake City, FL 32056-1625
4784 Rosselle St. • Jacksonville, FL 32254

Lake City • (386) 755-3633
Fax • (386) 752-5451

Jacksonville • (904) 381-8900
Fax • (904) 381-8900

JOB NO.:
DATE TESTED:

REPORT OF IN-PLACE DENSITY TEST

ASTM METHOD: ✓ (D-2922) Nuclear (D-2937) Drive Cylinder Other

PROJECT: Griest Garage

CLIENT: Stanley Crawford

GENERAL CONTRACTOR: S.A.C.

EARTHWORK CONTRACTOR: S.A.C.

SOIL USE (SEE NOTE): 1

SPECIFICATION REQUIREMENTS: 95%

TECHNICIAN: J. Curry

MODIFIED (ASTM D-1557): ✓

STANDARD (ASTM D-698):

TEST NO.	TEST LOCATION	TEST: <u>12</u> DEPTH	PROCTOR NO.	WET DENS. LBS./CU.FT.	DRY DENS. LBS./CU.FT.	MOIST PERCENT	% MAX. DENS.
		ELEV. LIFT					
	From SW Corner 10' N 10' E	S.O.G.		111.7	106.8	4.6	100
	↓ SE Corner 7' N 10' W	S.O.G.		112.4	107.5	4.5	100
	↓ NE ↓ 5' S 15' W	S.O.G.		110.0	105.7	4.0	99

REMARKS:

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
		107	12

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other
The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test location and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

Permit #29226



- Engineering
 - Geotechnical
 - Environmental
- Laboratories

Cal-Tech Testing, Inc.

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
4784 Rosselle St., Jacksonville, FL 32254 • Tel(904)381-8901 • Fax(904)381-8902

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 11-00096-01

DATE TESTED: 3/3/11

DATE REPORTED: 3/8/11

PROJECT:	Griest Garage, Lake City, FL
CLIENT:	Stanley Crawford Construction, Inc. 1482 SW Commercial Glen, Lake City, FL 32025
GENERAL CONTRACTOR:	Stanley Crawford Construction, Inc.
EARTHWORK CONTRACTOR:	Stanley Crawford Construction, Inc.
INSPECTOR:	Jackie Curry
ASTM METHOD	SOIL USE
(D-2922) Nuclear	BUILDING FILL
SPECIFIED REQUIREMENTS: 98%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	MAXIMUM DENSITY
1	From SW Corner, 10' North x 10' East	12"	111.7	4.6	106.8	10-147-1	107.0	100%
2	From SE Corner 7' North x 10' West	12"	112.4	4.5	107.6	10-147-1	107.0	101%
3	From NE Corner 5' South x 15' West	12"	110.0	4.0	105.8	10-147-1	107.0	99%

REMARKS: The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
10-147-1	Light Tan Fine Sand	107.0	12.0	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda Creamer, CEO, DBE
Linda M. Creamer
President - CEO

Reviewed By:

Date:

Licensed, Florida No. 57842



The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

29226

STATE OF FLORIDA
COUNTY OF COLUMBIA

TAX NO: 12-3S-15-00167-028

This instrument was Prepared By:
Stanley Crawford Construction, Inc.
1482 S.W. Commercial Glen
Lake City, Florida 32025

NOTICE OF COMMENCEMENT

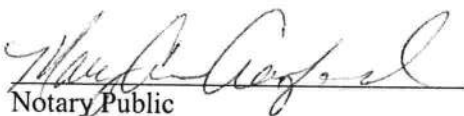
The undersigned hereby gives notice that improvement will be made to certain real Property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of property: 12-3S-15-00167-028
2. General description of improvement: Construction of Detached Garage
Owner Name & Address: Richard W & Patricia M. Griest
597 NW Indian Springs Dr., Lake City, FL 32055
3. Interest in property: Fee Simple
4. Name and address of fee simple title holder (if other than owner): NONE
5. Contractor: Stanley Crawford Construction, Inc
1482 SW Commercial Glen
Lake City, Florida 32025
6. Surety N/A
 - a. Name and address:
 - b. Amount of bond:
7. Lender: N/A
8. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes : NONE
9. In addition to himself, Owner designates _____ None _____
_____ to receive a copy of the Lienor's
Notice as provided in section 713.13 (1) (b), Florida Statutes.
10. Expiration date of notice of commencement (the expiration date is 1 year from
The date of recording unless a different date is specified.

Inst:201112006877 Date:5/6/2011 Time:10:24 AM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1214 P:659

The foregoing instrument was acknowledged before me this 17th day of December, 2010, by Richard & Patricia Griest, who are personally known to me and who did not take an oath.


Notary Public



BUILDING PERMIT ISSUANCE AFFIDAVIT

BEFORE ME the undersigned Notary Public personally appeared.

Richard and Patricia Griest, (herein "Owners"), whose mailing address is 597 NW Indian Springs Drive, Lake City, FL 32055, and Stanley Crawford Construction, (herein "Contractor") whose mailing address is 1482 SW Commercial Glen, Lake City, FL 32025, hereby executes this Affidavit to induce COLUMBIA COUNTY, FLORIDA to issue a building permit for a detached garage on the property as described below as follows:

A parcel of land lying within Section 12, Township 3 South, Range 15 East, Columbia County, Florida. Being more particularly described, as follows: Lot 13, Block B of the Oak Haven Subdivision Unit 1, as recorded in the Public Records of Columbia County, Florida. Tax Parcel # 12-3S-15-00167-028.

Owner and Contractor has made application to COLUMBIA COUNTY, FLORIDA for a building permit for a detached garage on the above described property prior to the completion of the thirty (30) day appeal period date (26 March 2011) for V 0283 a decision made by the Columbia County Board of Adjustment in accordance with Section 12.1.6 of the Columbia County Land Development Regulations (LDR's). Owner and Contractor are aware and have been advised that any work started prior to the end of the 30 day appeal period is strictly at the Owner's and Contractor's own risk. The County is not responsible for any work started prior to the completion of the 30 day appeal period. Although the County will perform required inspections, this will not waive the County's right to issue a stop work order on the permit in the event a timely appeal is filed. Should an appeal or appeals be filed within the 30 day appeal period, all work is to stop and no further construction is to be done until the appeal or appeals have been resolved to completion and any work continued after an appeal or appeals have been filed and resolved to completion would constitute a violation of the LDR's and is a misdemeanor of the second degree, punishable as provided in Chapter 775, Florida Statutes, as amended.

Owner and Contractor will at all times comply with the Columbia County's Code of Ordinances, Comprehensive Plan and Land Development Regulations regarding any development upon the property.

Dated this 28th Day of February, 2011.

Signed, sealed and delivered in the presence of:

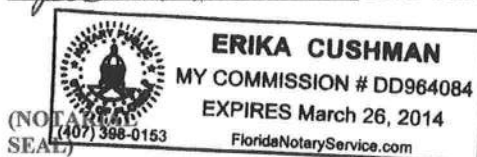
Richard Griest / Patricia Griest Stanley Crawford
Owner Contractor

Richard Griest / Patricia Griest
Print or Type Name

Stanley Crawford
Print or Type Name

STATE OF FLORIDA
COUNTY OF COLUMBIA

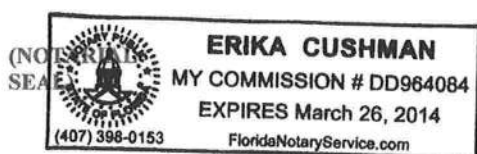
The foregoing instrument was acknowledged before me this 28th Day of February, 2011, by Richard & Patricia Griest Who is personally known to me or who has produced a personal known Driver's License as identification.



Erika Cushman
Notary Public, State of Florida
My Commission Expires:

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 28th Day of February, 2011, by Stanley Crawford Who is personally known to me or who has produced a personal known Driver's License as identification.



Erika Cushman
Notary Public, State of Florida
My Commission Expires:



Columbia County, Florida Planning & Zoning Department

Review of Building Permit for compliance with
County's Comprehensive Plan and
Land Development Regulations

To: Mary Ann Crawford

Fax: 386.755.2165

From : Brian L. Kepner, County Planner

Fax: 386.758.2160

Number of Pages : 1

Date : 30 December 2010

RE: Building Permit Application 1012-49, Griest

Dear Mary Ann:

The above referenced building permit application for a detached garage is located within an Agriculture-3 (A-3) zoning district. The setback requirements in this district are as follows; 30 feet from the front, 25 feet from the sides and 25 feet from the rear. The application and site plan submitted shows the distance from the south side property line to be 12 feet. If the owners wish to leave the detached garage as indicated on the application, a variance would have to be approved. Variances require a public hearing before the Board of Adjustment and there is a \$750.00 fee involved. Applications are available here at the Building and Zoning Department or on line at the County's website www.columbiacountyfla.com. I remember you being in here at the office earlier in the week and picking one up at that time. If the owners wish to reposition the detached garage to meet the required setbacks, a new site plan will need to be submitted showing such.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.754.7119.

Sincerely,

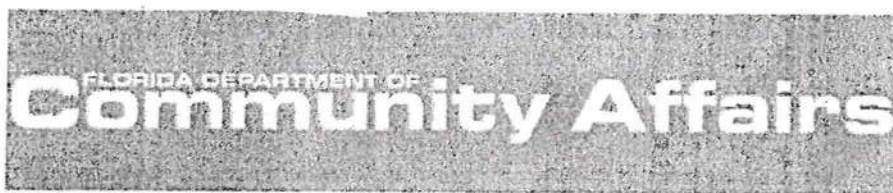
Brian L. Kepner
Land Development Regulation Administrator,
County Planner

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TRANSMISSION VERIFICATION REPORT

TIME : 12/30/2010 15:26
NAME : BUILDING AND ZONING
FAX : 3867582160
SER.# : BROA8F779906

DATE, TIME	12/30 15:25
FAX NO./NAME	97552165
DURATION	00:00:28
PAGE(S)	01
RESULT	OK
MODE	STANDARD
	ECM



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Product Approval

USER: Public User

Product Approval Menu > Product or Application Search > **Application List**

Search Criteria

Code Version	2007	FL#
Application Type	ALL	Product Manufacturer
Category	Windows	Subcategory
Application Status	ALL	Compliance Method
Quality Assurance Entity	ALL	Quality Assurance Entity Contract E
Product Model, Number or Name	2100	Product Description
Approved for use in HVHZ	ALL	Approved for use outside HVHZ
Impact Resistant	ALL	Design Pressure
Other	ALL	

Search Results - Applications

FL#	Type	Manufacturer	Validated By
FL10287-R3 History	Revision	PGT Industries Category: Windows Subcategory: Single Hung	Steven M. Urich, PE (717) 932-8500
FL10289-R2 History	Revision	PGT Industries Category: Windows Subcategory: Fixed	Keystone Certification (717) 932-8500
FL13867	New	PGT Industries Category: Windows Subcategory: Mullions	Steven M. Urich, PE (717) 932-8500



Department of Community Affairs
Florida Building Code Online
Codes and Standards

2555 Shumard Oak Boulevard
 Tallahassee, Florida 32399-2100
 (850) 487-1824, Fax (850) 414-8436

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Product Approval Accepts:

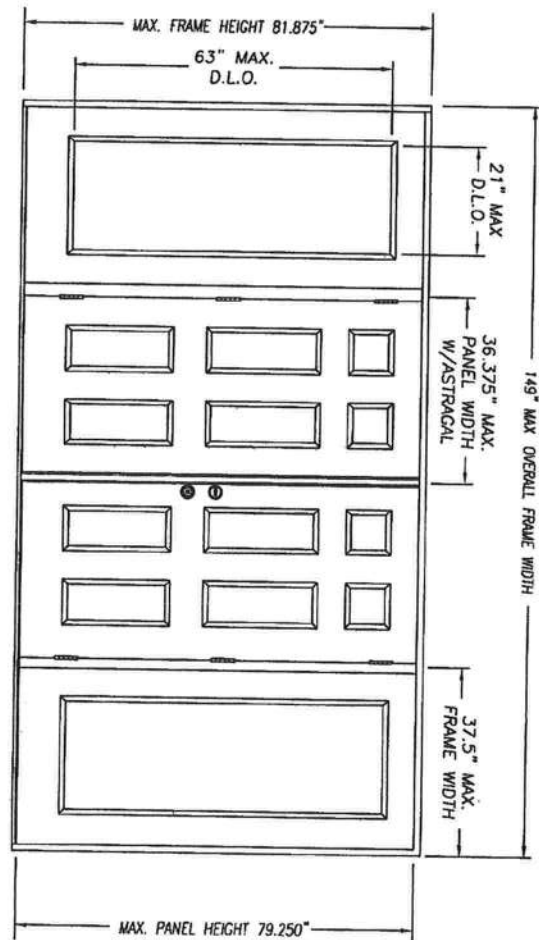




SIDE-HINGED WOOD-EDGE STEEL DOOR UNIT
6'-8" DOUBLE DOOR WITH / WITHOUT SIDELITES

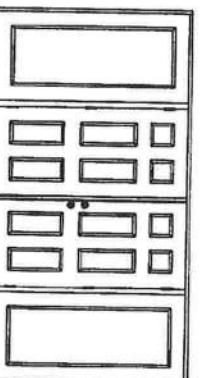
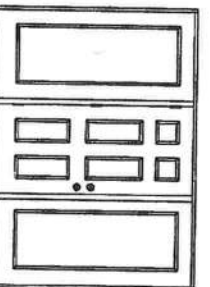
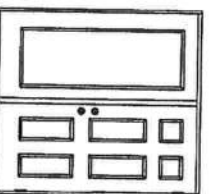
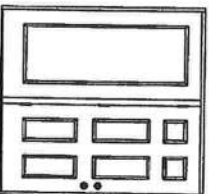
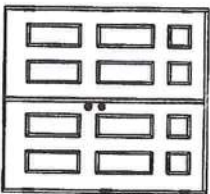
GENERAL NOTES

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% DFT
* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING 4300 HOURS XENON ARC METHOD 1



DOUBLE INSWING UNIT W/SIDELITES

Confirmation No.: N1006110
Reviewed By: [Signature]
Date Reviewed: 8/10/05
Attention to: MM



SINGLE DOOR UNIT

DOUBLE DOOR UNIT

SINGLE DOOR UNIT WITH SIDELITE

SINGLE DOOR UNIT WITH SIDELITE

SINGLE DOOR UNIT W/SIDELITES

DOUBLE DOOR UNIT W/SIDELITES

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS

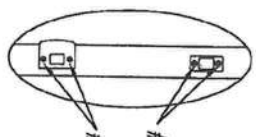
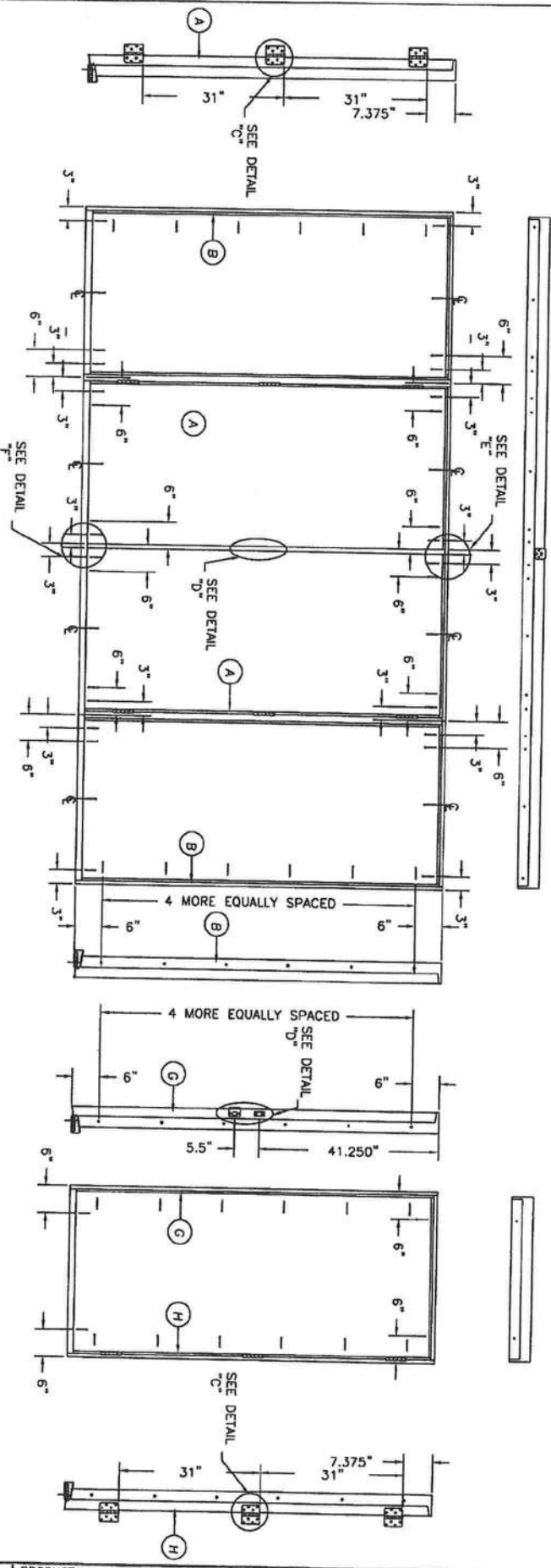
CONFIG	MAX WIDTH	DESIGN PRESSURE RATING	WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE
X	37.5"	INSWING: +76.0 / -76.0	INSWING: +19.0 / -19.0
XX	74"	OUTSWING: +55.0 / -55.0	OUTSWING: +55.0 / -55.0
OX or XO	75"	INSWING: +55.0 / -55.0	INSWING: +19.0 / -19.0
OXO	112.5"	OUTSWING: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

NO.	DATE	REVISIONS	BY

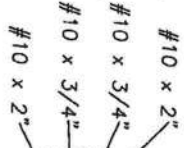
DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-F10128-05
SHEET 1 of 3

PRODUCT:
"EXTERIOR DOOR PRODUCT"
DOUBLE 6'-8" OPAQUE
WOOD-EDGE STEEL DOOR
PART OR ASSEMBLY:
TYPICAL ELEVATIONS
& GENERAL NOTES

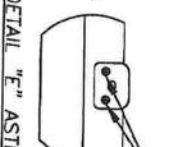
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216



DETAIL "D"

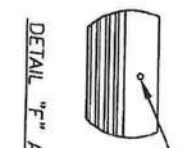


DETAIL "C"



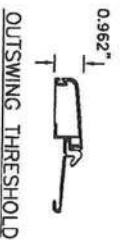
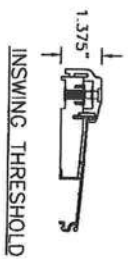
DETAIL "E" ASTRAGAL

ATTACH ASTRAGAL RETAINER BOLT STRIKE PLATE TO FRAME AS SHOWN.

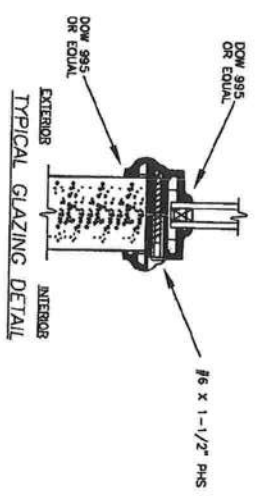


DETAIL "F" ASTRAGAL

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



Continued by: **NIOBELLO**
Reviewed by: **8/10/05**
Date Revised: **8/10/05**



DATE: 7/11/05	SCALE: N.T.S.	CHK. BY: SWS	DWG. NO.: DMC-44-R10128-05	SHEET 2 OF 3
PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6"-8" OPAQUE WOOD-EDGE STEEL DOOR PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS				
MASONITE INTERNATIONAL CORP. 7300 REAMES RD. CHARLOTTE, NC 28216				



-

Appendix to HAWK

Data Revisions

81

10/0

5

100

1

DWC

BY:

SWS

02

1000

1

PRODUCT:

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

PART OR ASSEMBLY:

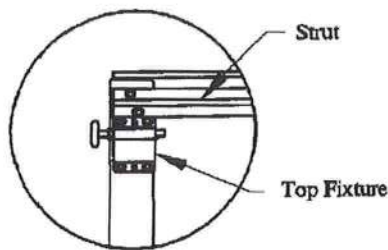
ANCHORING LOCATIONS & DETAILS

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

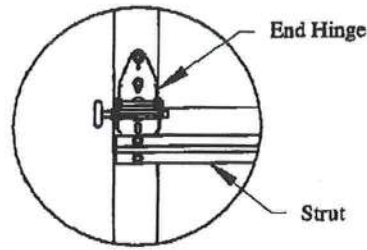
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Five Section High Doors 18'-0" wide

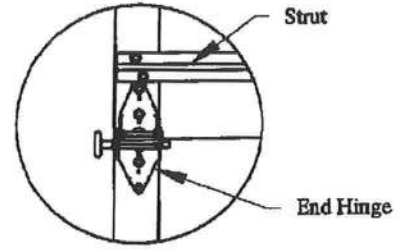
Strut Placement



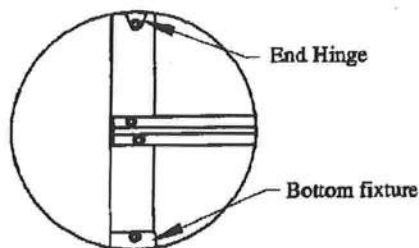
Strut above top fixture

Detail 1

Strut on bottom half of hinge

Detail 2

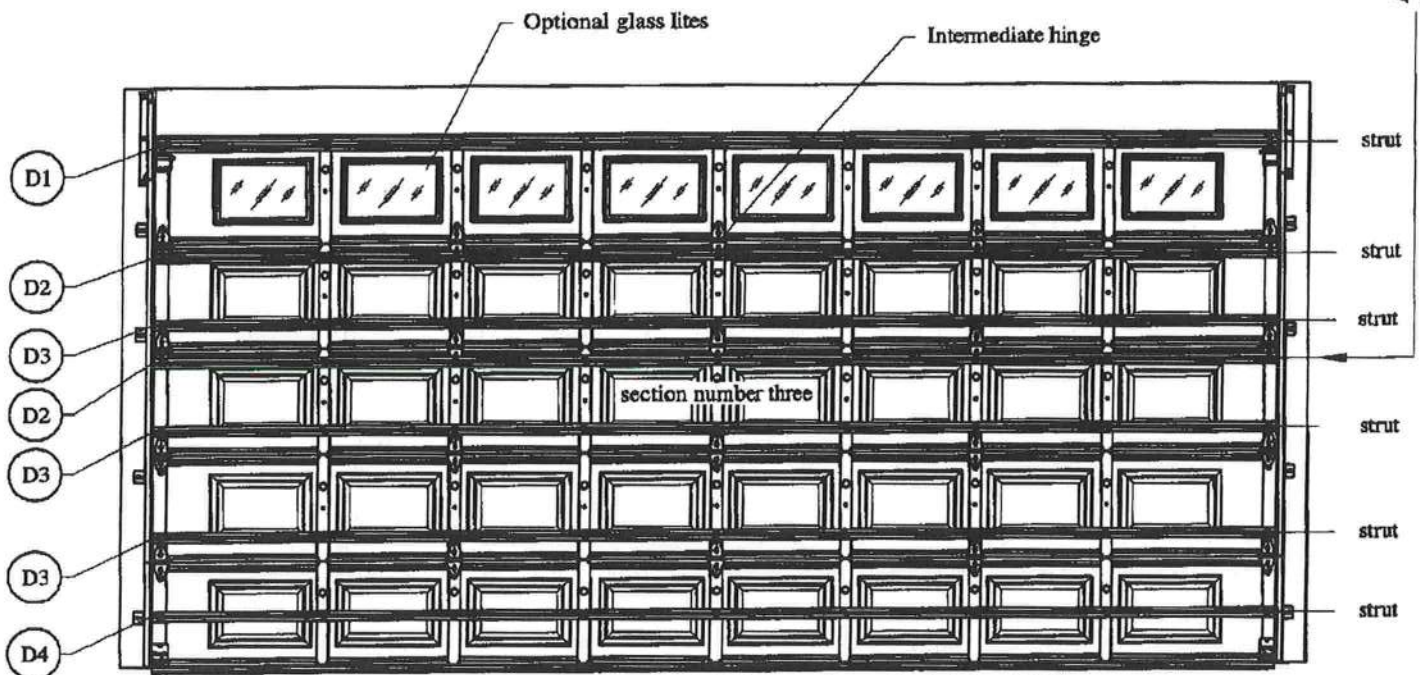
Strut above hinge

Detail 3

Strut in center of bottom section

Detail 4

Add this strut for all five
section doors over 8'-0" high

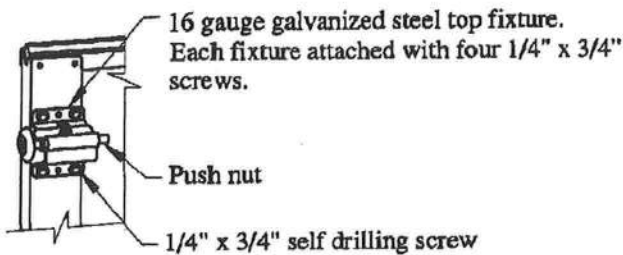


Additional sections may be added for a maximum door height of 14'-0".
Each additional section must have two struts as shown above in section
number four and be installed above the third section.

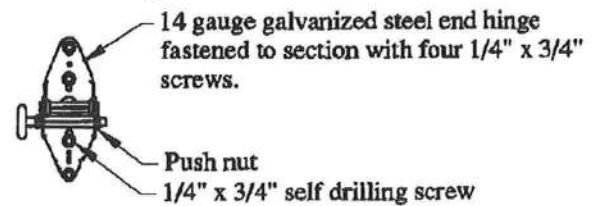
6 struts total 7'-6" thru 8'-0"
7 struts total 8'-3" thru 8'-9"

Top Fixture Detail

(Strut, if applicable, not shown for clarity.)

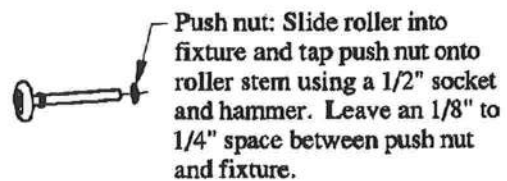


End Hinge Detail

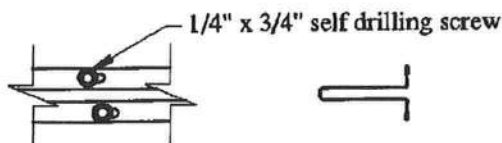


Push Nut Detail (use on all rollers)

use 3/8" I. D. on bottom fixture roller stem
use 7/16" I. D. on end hinge and top fixture roller stems

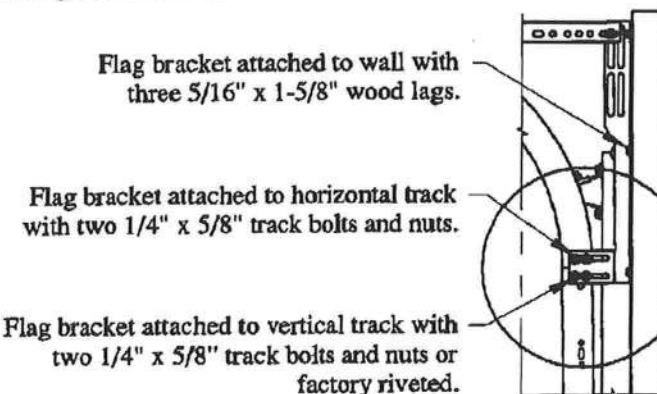


Strut Attachment Detail

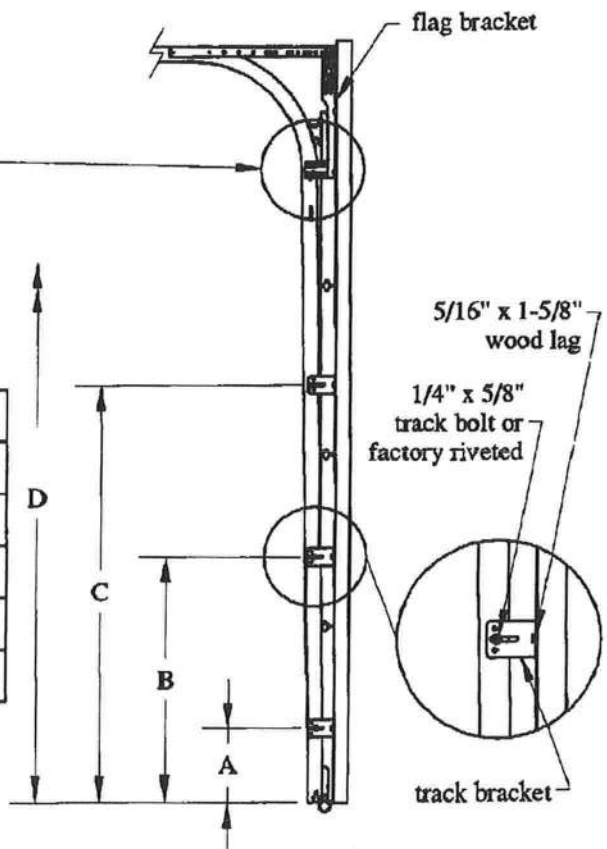
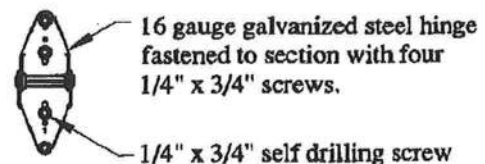


17 gauge 50ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws to every stile.

Flag Bracket Detail



Intermediate Hinge Detail



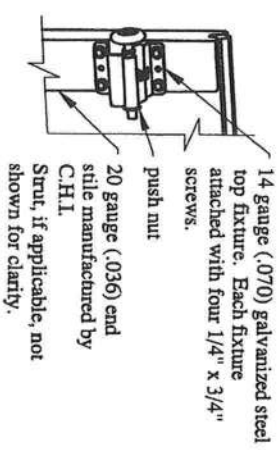
Track Bracket Locations

Manufacturing tolerances and actual field conditions may result in variances of +/- 1"

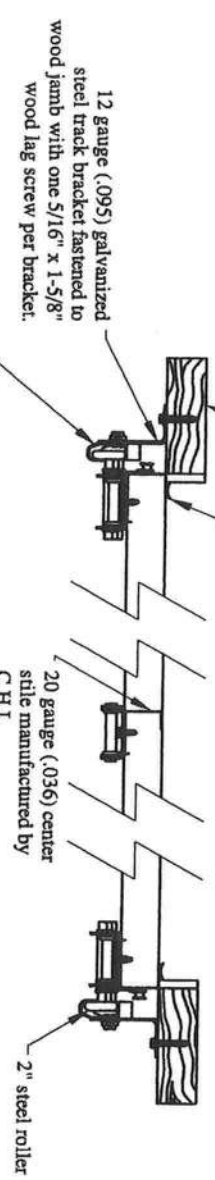
	door height / four sections			door height / five sections					
	6'-6"	6'-9"	7'-0"	7'-6"	7'-9"	8'-0"	8'-3"	8'-6"	8'-9"
D	n/a	n/a	n/a	72"	69"	72"	81"	84"	87"
C	60"	63"	66"	58"	55"	58"	60"	63"	66"
B	35"	35"	38"	34"	31"	34"	32"	35"	38"
A	10"	7"	10"	10"	7"	10"	4"	7"	10"

Track bracket locations shown above are for doors up to five sections high. Additional door sections may be added for a maximum door height of 14'-0". One track bracket (per track) must be added for each section and spaced at a distance not greater than the corresponding section height.

4 3 2 1



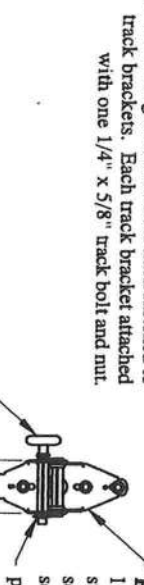
The 2x6 vertical wood jambs are to be grade 2 or better southern pine. Fasteners may be countersunk to provide a flush mounting surface.



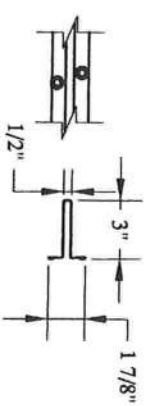
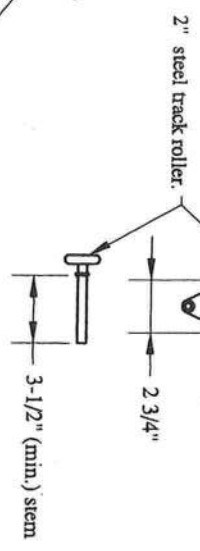
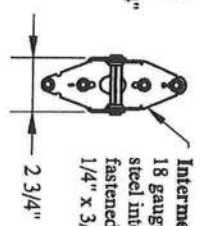
12 gauge (.086) galvanized steel flag bracket fastened to wood jamb with three 5/16\"/>

Flag bracket attached to horizontal track with two 1/4\"/>

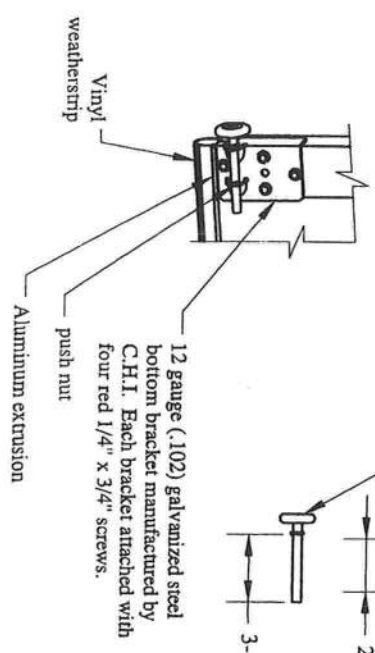
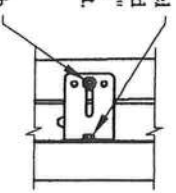
2\"/>



Intermediate Hinge. 18 gauge (.047) galvanized steel intermediate hinge fastened to section with four 1/4\"/>



12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16\"/>



Details on some views may have been omitted for clarity.

Design Load: 18.5 pos / 20.7 neg
Test Load: 27.8 pos / 31.1 neg
page 2 of 2

Professional Engineer's seal provided only for verification of windload construction details

John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

C.H.I. Drawing: Z3-1607-01100

Model: 2250/51 (16'-0" wide)	Scale: 10'-25'-2005
Model: 2250/51 (16'-0" wide)	Scale: 10'-25'-2005

2000 psi minimum poured concrete wall.
 Southern Yellow Pine specific gravity = 0.55; allowable load per anchor = 336 lbs.
 Spruce Pine Fir specific gravity = 0.42; allowable load per anchor = 274 lbs.
 Anchor: 3/8" dia x 3" long Simpson Strong-Tie Sleeve-All.
 Washer: 7/8" O.D. / 7/16" I.D. min; must conform to ANSI B18.22.1 type A.
 3" minimum anchor edge distance required.
 1-1/2" minimum embedment required.
 Maximum spacing shown in chart. Lesser spacing may be used to avoid interference with door component system.
 Spring pad connection not included.
 Maximum load per jamb = 0.5 x door width x max positive pressure x door height

Door Width	Zone / Max Positive Pressure	Maximum Fastener On-Center Spacing	Southern Yellow Pine	Spruce Pine Fir
9	Zone 1 / 12.8	24	24	24
	Zone 2 / 15.9	24	24	24
	Zone 3 / 19.5	24	24	24
	Zone 4 / 23.2	24	24	24
	Zone 5 / 27.3	24	24	24
	Zone 6 / 31.4	24	24	24
	Zone 7 / 36.0	24	24	21
	Zone 8 / 38.7	24	24	19
	Zone 9 / 44.3	21	21	17
	Zone 10 / 50.7	18	18	15
10	Zone 1 / 12.8	24	24	24
	Zone 2 / 15.9	24	24	24
	Zone 3 / 19.5	24	24	24
	Zone 4 / 23.2	24	24	24
	Zone 5 / 27.3	24	24	21
	Zone 6 / 31.4	24	24	21
	Zone 7 / 36.0	23	23	19
	Zone 8 / 38.7	21	21	17
	Zone 9 / 44.3	19	19	15
	Zone 10 / 50.7	16	16	13

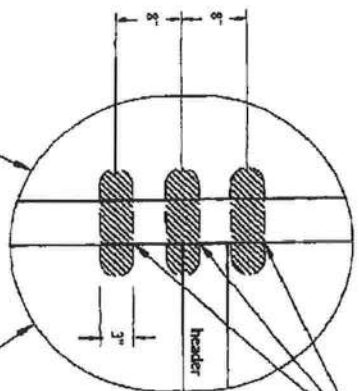
Door Width	Zone / Max Positive Pressure	Maximum Fastener On-Center Spacing	Southern Yellow Pine	Spruce Pine Fir
16	Zone 1 / 12.4	24	24	24
	Zone 2 / 15.3	24	24	24
	Zone 3 / 18.7	24	24	22
	Zone 4 / 22.2	23	23	19
	Zone 5 / 26.2	20	20	16
	Zone 6 / 30.1	17	17	14
	Zone 7 / 34.5	15	15	12
	Zone 8 / 39.5	13	13	11
	Zone 9 / 42.1	12	12	10
	Zone 10 / 48.2	11	11	9
18	Zone 1 / 12.4	24	24	24
	Zone 2 / 15.3	24	24	24
	Zone 3 / 18.7	24	24	20
	Zone 4 / 22.2	21	21	17
	Zone 5 / 26.2	18	18	14
	Zone 6 / 30.1	15	15	13
	Zone 7 / 34.5	13	13	11
	Zone 8 / 39.5	12	12	10
	Zone 9 / 42.1	11	11	9
	Zone 10 / 48.2	10	10	8

* 2000 psi minimum poured concrete wall.
 Wood back jamb material is the limiting factor in faster specification.

Alternative design may be approved by a registered professional engineer.
 Supporting structural elements shall be designed by a registered professional engineer for wind loads in addition to other loads.
 Calculation reference: DASMA TDS #161B, 2005 AF&PA NDS for Wood Construction and Simpson Strong-Tie data.

John E. Scarce
 John E. Scarce, P.E.
 1411 LeMay Street #203
 Carrollton, Texas 75007
 Florida P.E. # 54737

Professional Engineer's seal provided only for verification of windload construction details



keep each area clear of any back jamb attachment fasteners

attach header on max 24" both corners

Highest anchor installed at least as high as door opening.

Anchors to be evenly spaced between the header and the floor. Tabulated spacings apply to back jamb anchors only.

2x6 structural grade lumber. May be counterbored up to 3/4" deep at each anchor location to provide a flush mounting surface.

First anchor to start at no more than half the maximum on-center distance.

SCALE	NONE
DATE	02-12-2008

Back Jamb Attachment Detail
 Concrete Sleeve Anchor

CH.I. Drawing: BIA-001-03

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____

CONTRACTOR

Stanley CrawfordPHONE 732-5152

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

☒ ELECTRICAL	Print Name <u>Donald R. Davis</u> License #: <u>EC 006 2306</u>	Signature <u>Donald R. Davis</u> Phone #: <u>386 623 9499</u>
☒ MECHANICAL/ A/C	Print Name <u>Clinton Wilson</u> License #: <u>CAC057886</u>	Signature <u>Clinton Wilson</u> Phone #: <u>386-754-9408</u>
☒ PLUMBING/ GAS	Print Name <u>Joseph W. Davis Jr</u> License #: <u>CFC0 57304</u>	Signature <u>Joseph W. Davis Jr</u> Phone #: <u>386-454-1407</u>
☒ ROOFING	Print Name <u>Stanley Crawford</u> License #: <u>000064</u>	Signature <u>Stanley Crawford</u> Phone #: <u>386-755-5152</u>
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
☒ MASON	<u>000712</u>	<u>Colin Gary Masonary</u>	<u>Colin Gary</u>
☒ CONCRETE FINISHER	<u>217</u>	<u>Jordan Concrete</u>	<u>Jordan</u>
☒ FRAMING	<u>CG0042896</u>	<u>Stanley Crawford</u>	<u>Stanley Crawford</u>
☒ INSULATION	<u>000741</u>	<u>Patsy Bower</u>	<u>Patsy Bower</u>
STUCCO	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
DRYWALL	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
☒ PLASTER	<u>CG0042896</u>	<u>Stanley Crawford</u>	<u>Stanley Crawford</u>
☒ CABINET INSTALLER	<u>000064</u>	<u>Stanley Crawford Const</u>	<u>Stanley Crawford</u>
☒ PAINTING	<u>000064</u>	<u>Stanley Crawford Const</u>	<u>Stanley Crawford</u>
ACOUSTICAL CEILING	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
☒ GLASS	<u>619</u>	<u>Lake City Glass</u>	<u>Carl Bledsoe</u>
☒ CERAMIC TILE	<u>CG0042896</u>	<u>Stanley Crawford</u>	<u>Stanley Crawford</u>
☒ FLOOR COVERING	<u>CG0042896</u>	<u>Stanley Crawford</u>	<u>Stanley Crawford</u>
☒ ALUM/VINYL SIDING	<u>000312</u>	<u>Columbia Exteriors</u>	<u>Paul King</u>
☒ GARAGE DOOR	<u>000619</u>	<u>Lake City Glass</u>	<u>Carl Bledsoe</u>
METAL BLDG ERECTOR	_____	_____	_____

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____

CONTRACTOR _____

PHONE _____

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name <u>Robert E. Hamilton</u> License #: <u>CFC057515</u>	Signature <u>[Signature]</u> Phone #: <u>352-24521700</u>
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR	<u>CBC1256116</u>	<u>LANSE DEAR</u>	<u>[Signature]</u>
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

1012-49

BUILDING PERMIT ISSUANCE AFFIDAVIT

BEFORE ME the undersigned Notary Public personally appeared,

Richard and Patricia Griest, (herein "Owners"), whose mailing address is 597 NW Indian Springs Drive, Lake City, FL 32055, and Stanley Crawford Construction, (herein "Contractor") whose mailing address is 1482 SW Commercial Glen, Lake City, FL 32025, hereby executes this Affidavit to induce COLUMBIA COUNTY, FLORIDA to issue a building permit for a detached garage on the property as described below as follows:

A parcel of land lying within Section 12, Township 3 South, Range 15 East, Columbia County, Florida. Being more particularly described, as follows: Lot 13, Block B of the Oak Haven Subdivision Unit 1, as recorded in the Public Records of Columbia County, Florida. Tax Parcel # 12-3S-15-00167-028.

Owner and Contractor has made application to COLUMBIA COUNTY, FLORIDA for a building permit for a detached garage on the above described property prior to the completion of the thirty (30) day appeal period date (26 March 2011) for V 0283 a decision made by the Columbia County Board of Adjustment in accordance with Section 12.1.6 of the Columbia County Land Development Regulations (LDR's). Owner and Contractor are aware and have been advised that any work started prior to the end of the 30 day appeal period is strictly at the Owner's and Contractor's own risk. The County is not responsible for any work started prior to the completion of the 30 day appeal period. Although the County will perform required inspections, this will not waive the County's right to issue a stop work order on the permit in the event a timely appeal is filed. Should an appeal or appeals be filed within the 30 day appeal period, all work is to stop and no further construction is to be done until the appeal or appeals have been resolved to completion and any work continued after an appeal or appeals have been filed and resolved to completion would constitute a violation of the LDR's and is a misdemeanor of the second degree, punishable as provided in Chapter 775, Florida Statutes, as amended.

Owner and Contractor will at all times comply with the Columbia County's Code of Ordinances, Comprehensive Plan and Land Development Regulations regarding any development upon the property.

Dated this 28th Day of February, 20 11.

Signed, sealed and delivered in the presence of:

Richard Griest / Patricia M. Griest Stanley Crawford
Owners Contractor

Richard Griest / Patricia Griest
Print or Type Name

Stanley Crawford
Print or Type Name

STATE OF FLORIDA
COUNTY OF COLUMBIA

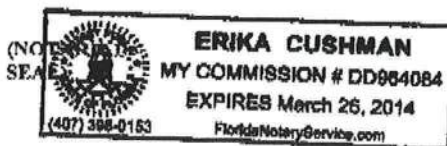
The foregoing instrument was acknowledged before me this 28th Day of February, 20 11, by Richard & Patricia Griest Who is personally known to me or who has produced a Personal Know Driver's License as identification.



Erika Cushman
Notary Public, State of Florida
My Commission Expires:

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 28th Day of February, 20 11, by Stanley Crawford Who is personally known to me or who has produced a Personal Know Driver's License as identification.



Erika Cushman
Notary Public, State of Florida
My Commission Expires:

This Warranty Deed

Made this 9th day of March
by Walter L. Rogers and Maria K. Rogers
husband and wife

EK 0922 PG 0749
A.D. 2001

OFFICIAL RECORDS

FILED AND RECORDED IN PUBLIC
RECORDS OF COLUMBIA COUNTY, FL

01-04595

01 MAR 12 PM 2:31

hereinafter called the grantor, to
Richard W. Griest and Patricia M.
Griest, husband and wife

whose post office address is: 1904 NW 77th Terrace
Margate, Florida 33068



hereinafter called the grantee:

(Whenever used herein the term "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)

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

Lot 13, Block B, Oakhaven Subdivision Unit 1, a Subdivision according to Plat thereof recorded in Plat Book 5, Page 54, public records, Columbia County, Florida.

SUBJECT TO Covenants, restrictions, easements of records and taxes for the current year. Said property is not the homestead of the Grantor(s) under the laws and constitution of the State of Florida in that neither Grantor(s) or any members of the household of Grantor(s) reside thereon.

Parcel Identification Number: 00167-028

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; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 1999.

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

Signed, sealed and delivered in our presence:

Elaine R. Davis
Name Witness

Carol H. Wright
Name Witness

Name Witness

Name Witness

State of Florida
County of Columbia

Walter L. Rogers
Name & Address
Rt. 17, Box 1600
Lake City, Florida 32055

Maria K. Rogers
Name & Address
Rt. 17, Box 1600
Lake City, Florida 32055

Name & Address
Rt. 17, Box 1600
Lake City, Florida 32055

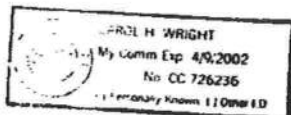
Name & Address
Rt. 17, Box 1600
Lake City, Florida 32055

The foregoing instrument was acknowledged before me this 9th day of March, 2001, by

Walter L. Rogers and Maria K. Rogers, husband and wife

who is personally known to me or who has produced

as identification.



Carol H. Wright
Notary Public

Print Name:
My Commission Expires:

PREPARED BY: Carol H. Wright
RECORD & RETURN TO:
ASSOCIATED LAND TITLE GROUP, INC.
300 N. MARION STREET
LAKE CITY, FLORIDA 32055
File No: 0137590

Documentary Stamp \$255.50
Indemnity Tax
P. DeWitt Olson
Clerk of Court
By [Signature] P.O.

Columbia County Property Appraiser

DB Last Updated: 11/4/2010

2010 Tax Year

Parcel: 12-3S-15-00167-028

<< Next Lower Parcel Next Higher Parcel >>

Tax Collector

Tax Estimator

Property Card

Parcel List Generator

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	GRIEST RICHARD W & PATRICIA M		
Mailing Address	1904 NW 77TH TERR MARGATE, FL 33063		
Site Address	597 NW INDIAN SPRINGS DR		
Use Desc. (code)	SINGLE FAM (000100)		
Tax District	3 (County)	Neighborhood	12315
Land Area	4.200 ACRES	Market Area	01
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction. LOT 13 BLOCK B OAKHAVEN S/D. ORB 588-455, 596-544, 776-343, 827-2245, 922-749,		

**Property & Assessment Values**

2010 Certified Values		
Mkt Land Value	cnt: (0)	\$43,092.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (1)	\$225,162.00
XFOB Value	cnt: (2)	\$6,748.00
Total Appraised Value		\$275,002.00
Just Value		\$275,002.00
Class Value		\$0.00
Assessed Value		\$275,002.00
Exempt Value		\$0.00
Total Taxable Value	Cnty: \$275,002 Other: \$275,002 Schl:	\$275,002

2011 Working Values

NOTE:
2011 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Show Working Values

Sales History

Show Similar Sales within 1/2 mile

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
3/9/2001	922/749	WD	V	Q		\$36,500.00
9/6/1996	827/2245	WD	V	U	09	\$20,000.00
6/15/1993	776/343	WD	V	U	12	\$14,700.00
3/1/1986	588/455	AG	V	Q		\$14,700.00

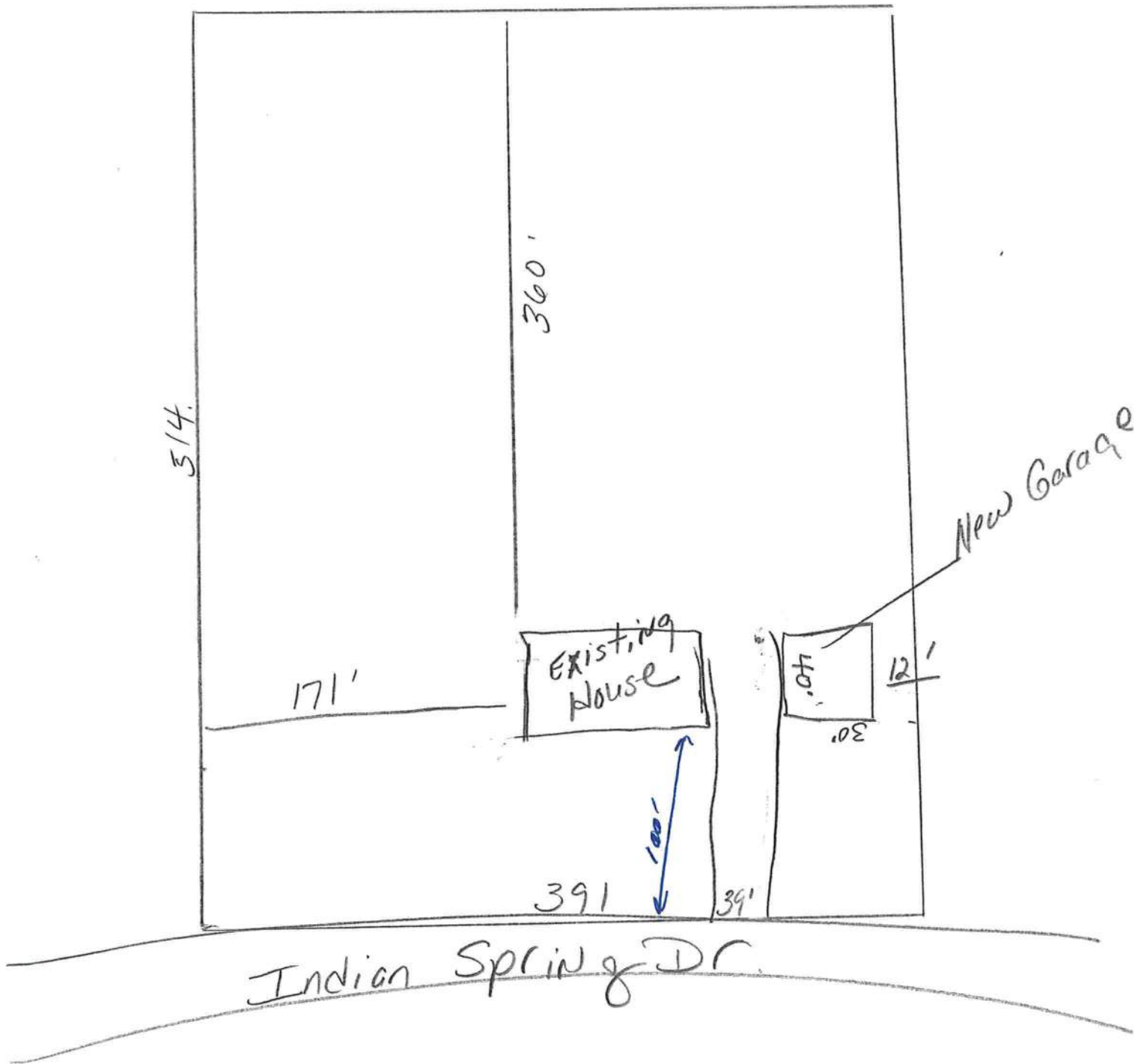
Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	2006	(32)	3444	4484	\$225,162.00
Note: All S.F. calculations are based on <u>exterior</u> building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0180	FPLC 1STRY	2006	\$4,000.00	0000002.000	0 x 0 x 0	(000.00)
0166	CONC,PAVMT	2006	\$2,748.00	0000916.000	0 x 0 x 0	(000.00)

Griest



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

ProjectName: SCCI Griest
 Street:
 City, State, Zip: , FL,
 Owner: Griest
 DesignLocation: FL, Gainesville

BuilderName: Stanley Crawford
 Permit Office: *Columbia County*
 PermitNumber: *29226*
 Jurisdiction: *21000*

1. New construction or existing	Addition
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms (Bedrms In Addition)	3(0)
5. Is this a worst case?	No
6. Conditioned floor area (ft ²)	360
7. Windows (0.0 sqft.)	Description Area
a. U-Factor:	N/A ft ²
SHGC:	
b. U-Factor:	N/A ft ²
SHGC:	
c. U-Factor:	N/A ft ²
SHGC:	
d. U-Factor:	N/A ft ²
SHGC:	
e. U-Factor:	N/A ft ²
SHGC:	
8. Floor Types (360.0 sqft.)	Insulation Area
a. Slab-On-Grade Edge Insulation	R=0.0 360.00 ft ²
b. N/A	R= ft ²
c. N/A	R= ft ²

9. Wall Types (756.0 sqft.)	Insulation Area
a. Frame - Wood, Exterior	R=13.0 486.00 ft ²
b. Frame - Wood, Adjacent	R=13.0 270.00 ft ²
c. N/A	R= ft ²
d. N/A	R= ft ²
10. Ceiling Types (360.0 sqft.)	Insulation Area
a. Under Attic (Unvented)	R=30.0 360.00 ft ²
b. N/A	R= ft ²
c. N/A	R= ft ²
11. Ducts -	
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 72 ft ²	
12. Cooling systems -	
a. Central Unit	Cap: 6.8 kBtu/hr SEER: 13
13. Heating systems -	
a. Electric Heat Pump	Cap: 8.1 kBtu/hr HSPF: 7.7
14. Hot water systems - None required	
a.	Cap: N/A EF:
b. Conservation features	
15. Credits	Pstat

Glass/Floor Area: 0.000

Total As-Built Modified Loads: 7.42

Total Baseline Loads: 8.87

PASS

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

PREPARED BY: *[Signature]*
 DATE: *3/5/11*

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

OWNER/AGENT: _____
 DATE: _____

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



BUILDING OFFICIAL: _____
 DATE: _____



PROJECT

Title:	SCCI Griest	Bedrooms:	3	Adress Type:	Street Address
Building Type:	FLAsBuilt	ConditionedArea:	360	Lot #	
Owner:	Griest	Total Stories:	1	Block/SubDivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
BuilderName:	StanleyCrawford	RotateAngle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	, FL,
Family Type:	Single-family				
New/Existing:	Addition				
Comment:					

CLIMATE

✓	DesignLocation	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL,Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

FLOORS

✓	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulation	84 ft	0	360 ft²	0	0	1

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Gable or shed	Compositionshingles	469 ft²	150 ft²	Medium	0.96	No	0	39.8 deg

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	360 ft²	N	N

CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	360 ft²	0.11	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Frame - Wood	13	108 ft²		0.23	0.75
_____	2	E	Exterior	Frame - Wood	13	270 ft²		0.23	0.75
_____	3	S	Exterior	Frame - Wood	13	108 ft²		0.23	0.75
_____	4	W	Garage	Frame - Wood	13	270 ft²		0.23	0.01

DOORS										
✓	#	Ornt	Door Type	Storms	U-Value	Area				
_____	1	N	Insulated	None	0.460000	40 ft²				
_____	2	W	Insulated	None	0.460000	20 ft²				

INFILTRATION & VENTING										
✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ---- Supply CFM Exhaust CFM		Run Time Fraction	Fan Watts
_____	Default	0.00050	472	8.74	25.9	48.7	0 cfm	0 cfm	0	0

GARAGE						
✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	840 ft²	840 ft²	86 ft	9 ft	1

COOLING SYSTEM								
✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ducts
_____	1	Central Unit	Through the Wall(Split)	SEER: 13	18 kBtu/hr	540 cfm	0.75	sys#0

HEATING SYSTEM						
✓	#	System Type	Subtype	Efficiency	Capacity	Ducts
_____	1	Electric Heat Pump	None	HSPF: 7.7	18 kBtu/hr	sys#0

SOLAR HOT WATER SYSTEM							
✓	FSEC Cert #	CompanyName	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____					ft²		

DUCTS												
✓	#	---- Supply ----			---- Return ----		Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
		Location	R-Value	Area	Location	Area						
_____	1	Attic	6	72 ft²	Attic	18 ft²	Default Leakage	Interior	(Default) c	(Default) %		

TEMPERATURES

ProgramableThermostat: None

Ceiling Fans:

Cooling	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec
Heating	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec
Venting	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec

ThermostatSchedule: HERS 2006 Reference

Hours

ScheduleType		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS:

, FL,

PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.1.2	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	N1106.AB.1.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	N1106.AB.1.2	Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	N1106.AB.1.2	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N1112.ABC.3 Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

Columbia County Building Permit Application

For Office Use Only Application # 1012-49 Date Received 12/28/10 By LH Permit # 29226
 Zoning Official BLK Date 01.03.11 Flood Zone X Land Use A-3 Zoning A-3
 FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner T.C. Date 12.29
 Comments 10283 Approved 24 Feb. 2011 see affidavit
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☒ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☒ Letter of Auth. from Contractor ☒ F W Comp. letter
 IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____
 School _____ = TOTAL N/A Accessory Use

Septic Permit No. not Required Fax 386-755-2105
 Name Authorized Person Signing Permit Mary Ann Crawford Phone 386-752-5152
 Address 1482 SW Commercial Glen, Lake City, FL 32025
 Owners Name Richard & Patricia Griest Phone 752-5152
 911 Address 597 NW Indian Springs Dr, Lake City FL 32055
 Contractors Name Stanley Crawford Phone 386-752-5152
 Address 1482 SW Commercial Glen, Lake City, FL 32025
 Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address _____
 Mortgage Lenders Name & Address _____

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

Property ID Number 12-35-15-00167-028 Estimated Cost of Construction 35,000.00
 Subdivision Name Oak Haven S/D Lot 13 Block B Unit _____ Phase _____
 Driving Directions Lake Jeffery Road to Left into Oak Haven, Turn R 3 house on Right.

Number of Existing Dwellings on Property 1
 Construction of Detached garage Total Acreage 4.2 Lot Size _____
 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 23'
 Actual Distance of Structure from Property Lines - Front 100' Side 171' Side 12' Rear 360'
 Number of Stories 1 1/2 Heated Floor Area 360 Total Floor Area 1644 10283 to 10 feet Roof Pitch 10/12

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.

ok # 2789

Tw left message with Sabrina: 3.1.11. to call Laurie.

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: 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 work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

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.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT 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.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)


Owners Signature

****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

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 including all application and permit time limitations.


Contractor's Signature (Permitee)

Contractor's License Number RG0042896
Columbia County
Competency Card Number # 64

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 28 day of December 2010
Personally known X or Produced Identification _____


State of Florida Notary Signature (For the Contractor)

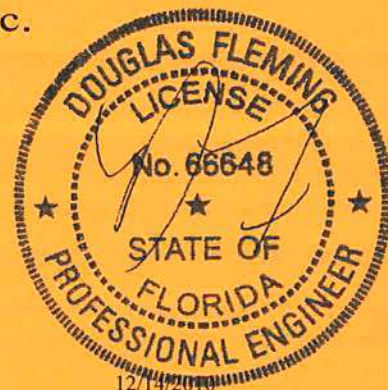
SEAL:



FREDA ERICKSON
NOTARY PUBLIC
STATE OF FLORIDA
Comm# EE012775
Expires 7/28/2014

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1U7Q487-Z0114170157



Truss Fabricator: Anderson Truss Company
Job Identification: 10-238--Fill in later STANLEY CRAWFORD/ GRIEST -- , **
Truss Count: 8
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD);FBC2007Res/TPI-2007(STD)
Engineering Software: Alpine Software, Versions 9.05, 10.01.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -Closed

Notes:

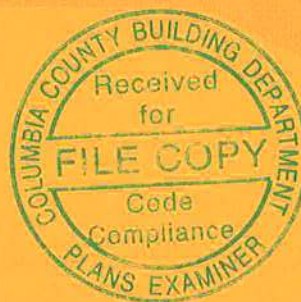
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Douglas M. Fleming
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: A1101505-GBLLETIN-PB120-A1103005-

#	Ref	Description	Drawing#	Date
1	65445--A		10348001	12/14/10
2	65446--AS		10348002	12/14/10
3	65447--AGE		10348003	12/14/10
4	65448--AR		10348005	12/14/10
5	65449--AG		10348004	12/14/10
6	65450--ARGE		10348006	12/14/10
7	65451--P		10348007	12/14/10
8	65452--PGE		10348008	12/14/10



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Page 1 of 1 Document ID:1U7Q487-Z0114170157

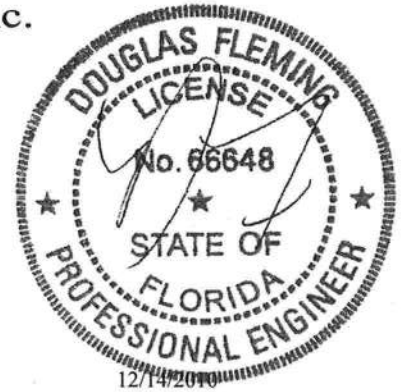
Truss Fabricator: Anderson Truss Company
Job Identification: 10-238--Fill in later STANLEY CRAWFORD/ GRIEST -- , **
Truss Count: 2
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD);FBC2007Res/TPI-2007(STD)
Engineering Software: Alpine Software, Versions 9.05, 10.01.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Revised Trusses

#	Ref	Description	Drawing#	Date
1	65446--AS		10348002	12/14/10
2	65450--ARGE		10348006	12/14/10

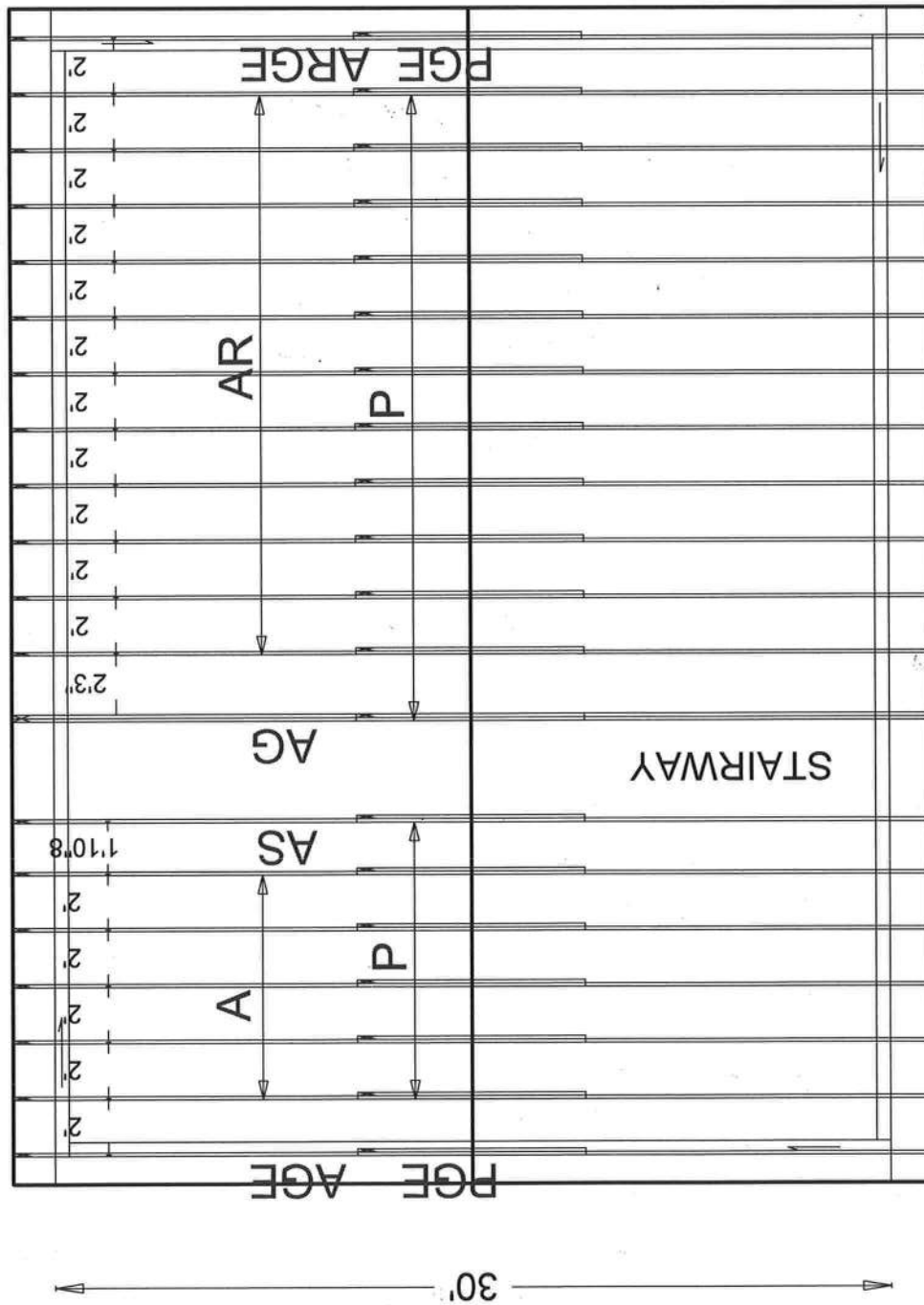


Seal Date: 12/14/2010

-Truss Design Engineer-
Douglas M. Fleming

1950 Marley Drive
Haines City, FL 33844

ALPINE



JOB DESCRIPTION: Fill in later
/: STANLEY CRAWFORD/ GRIEST

JOB NO:
10-238

PAGE NO: 1051

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

4X5 (R) 

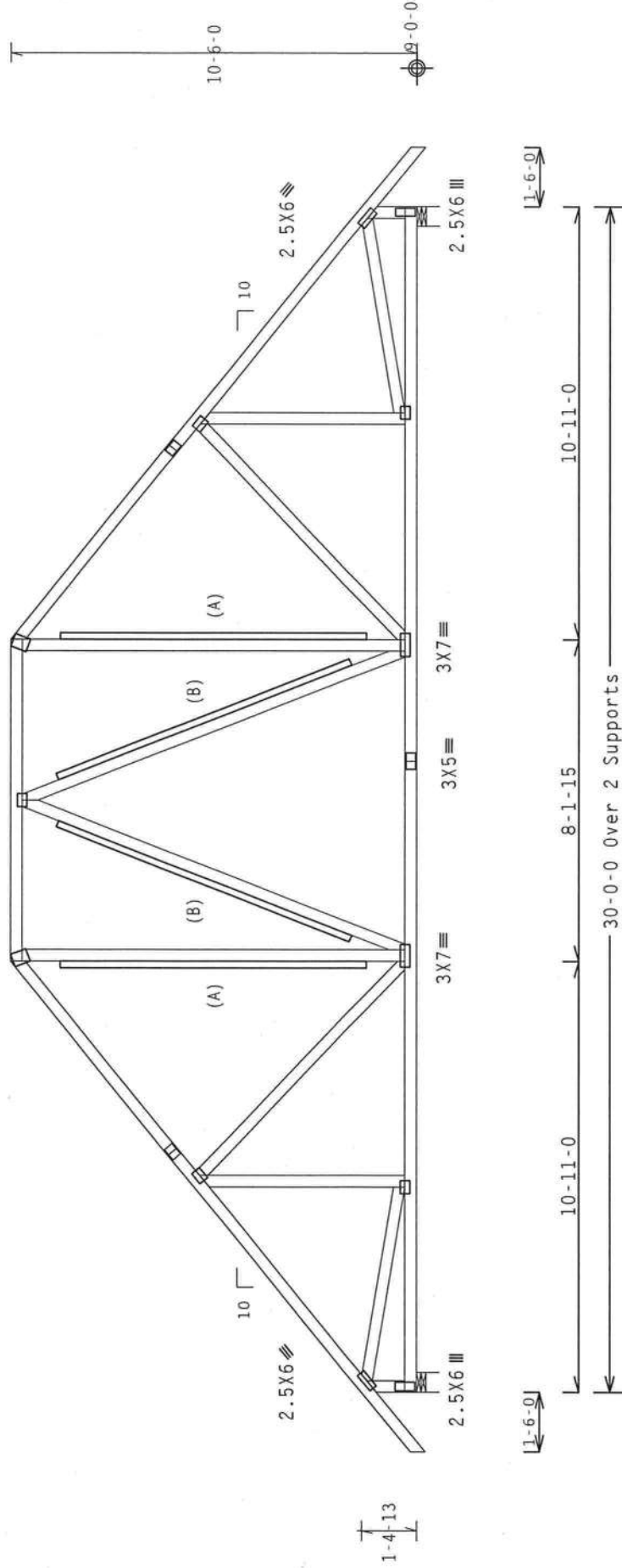
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, Exp B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. 1W-1.00 Gcp1(+/-)-0.18

Wind reactions based on MWFRS pressures.

(B) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

4X5 (R)  Deflection meets L/240 live and L/180 total load.



R-1490 U-110 W-6"
RL-277/-277

Note: All Plates Are 3X4 Except As Shown.

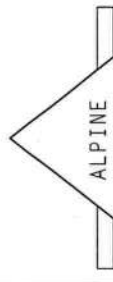
Design Crit: FBC2007Res/TPI-2002

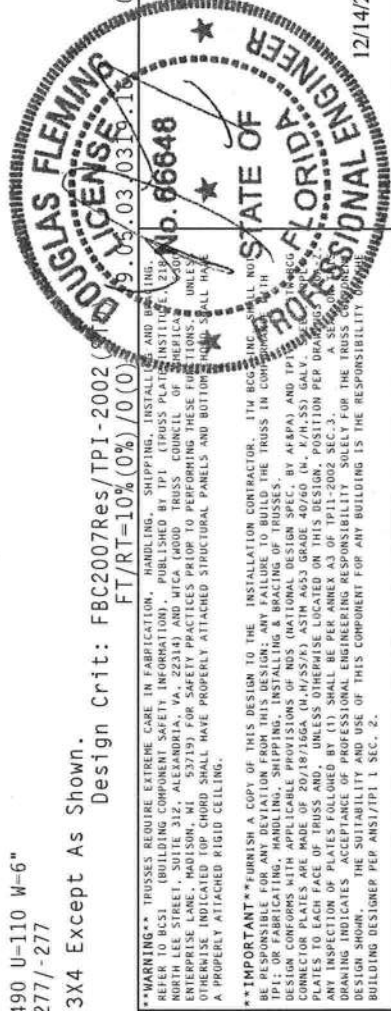
FT/RT=10% (0%)/0(0%)

QTY: 5 FL/- /4/- /- /R/-

Scale = .25" / Ft.

PLT TYP. Wave


ALPINE
r/w Building Components Group Inc.
Haines City, FL 33844
FL COA #0278



TC LL	20.0 PSF	REF	R487--	65445
TC DL	10.0 PSF	DATE	12/14/10	
BC DL	10.0 PSF	DRW	HCUSR487	10348001
BC LL	0.0 PSF	HC-ENG	TCE/DF	
TOT.LD.	40.0 PSF	SEQN	167220	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1U7Q487_Z01	

(10-238--Fill) in later STANLEY CRAWFORD/ GRIEST -- ** - AS)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5".min.)nails @ 6" OC.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 48" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.

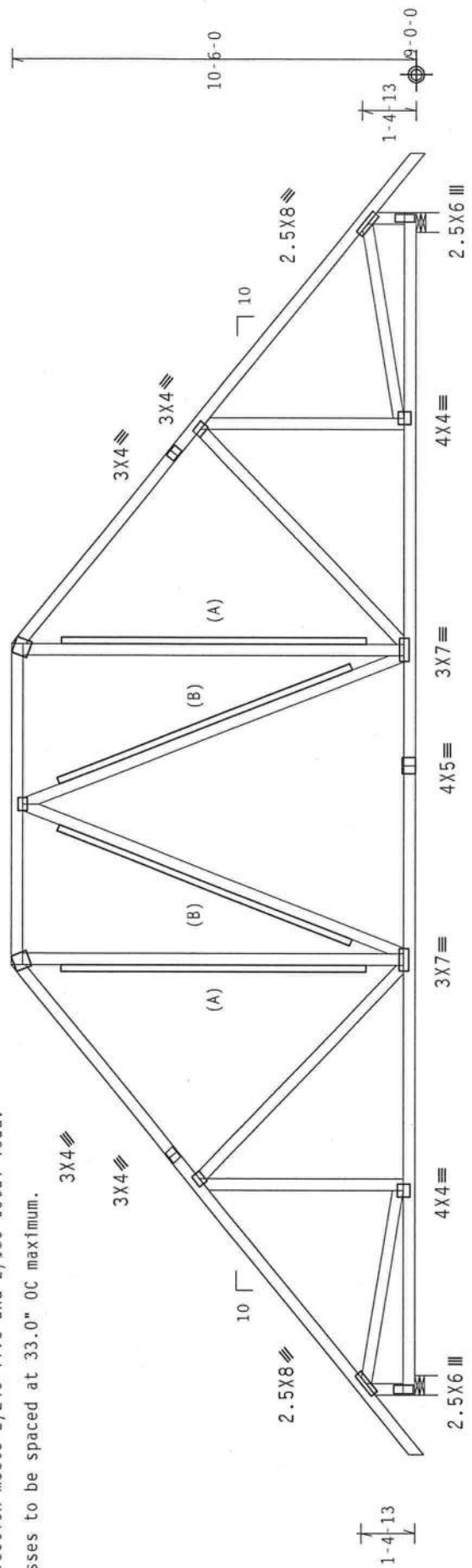
Trusses to be spaced at 33.0" OC maximum.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)-0.18

Wind reactions based on MWFRS pressures.

(B) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5".min.)nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.



11-6-01

10-11-0

8-1-15

10-11-0

11-6-01

30-0-0 Over 2 Supports

R-2049 U=151 W=6"
RL=381/-381

R-2050 U=151 W=6"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (S)
FT/RT=10% (0%)/0(0)

QTY: 1 FL/-/4/-/-/R/-

Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER

12/14/2010

TC LL	20.0 PSF	REF	R487--	65446
TC DL	10.0 PSF	DATE	12/14/10	
BC DL	10.0 PSF	DRW	HCUSR487	10348002
BC LL	0.0 PSF	HC-ENG	TCE/DF	
TOT.LD.	40.0 PSF	SEQN-	6005	REV
DUR.FAC.	1.25			
SPACING	33.0"	JREF-	1U70487_Z01	

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Truss spaced at 24.0" OC designed to support 0-6-0 top chord outlookers.
Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

The Building Designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the Building Designer.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof. CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

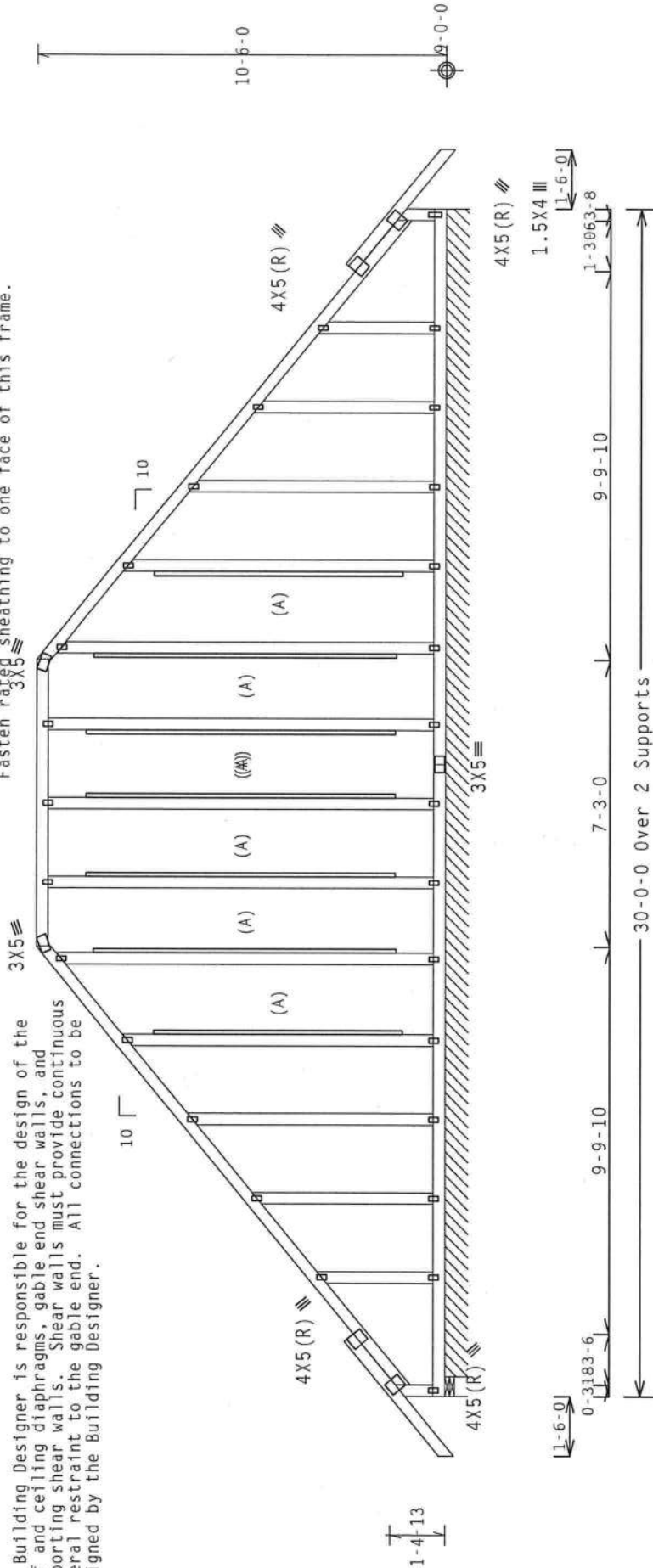
Wind reactions based on MWFRS pressures.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

(A) 1x4 #3SRB SPF-S or better "L" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.) nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

Fasten rated sheathing to one face of this frame.



R-277 U-42 W-6"
RL-224/-224

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002

PLT TYP. Wave

R-131 PLF U-6 PLF W-200

QTY: 1

FL/-14/-1/-R/-

Scale = .25"/Ft.

	R-131 PLF U-6 PLF W-200		TC LL	20.0 PSF	REF	R487--	65447
	R-277 U-42 W-6"		TC DL	10.0 PSF	DATE	12/14/10	
	RL-224/-224		BC DL	10.0 PSF	DRW	HCUSR487	10348003
			BC LL	0.0 PSF	HC-ENG	TCE/DF	
			TOT.LD.	40.0 PSF	SEQN-	167253	
			DUR.FAC.	1.25	JREF-	1U7Q487_Z01	
		SPACING	24.0"				
		12/14/2010					

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PLT TYP. Wave

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002

FT/RT=10% (0%/0/0)

QTY: 1

FL/-14/-1/-R/-

Scale = .25"/Ft.

REF R487-- 65447

DATE 12/14/10

DRW HCUSR487 10348003

HC-ENG TCE/DF

SEQN- 167253

JREF- 1U7Q487_Z01

(10-238--Fill in later STANLEY CRAWFORD/ GRIEST --, ** - AR)

Top chord 2x4 SP #2 Dense :12, 15 2x6 SP SS:
Bot chord 2x6 SP #1 Dense :B2 2x10 SP #1 Dense:
Webs 2x4 SP #3

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

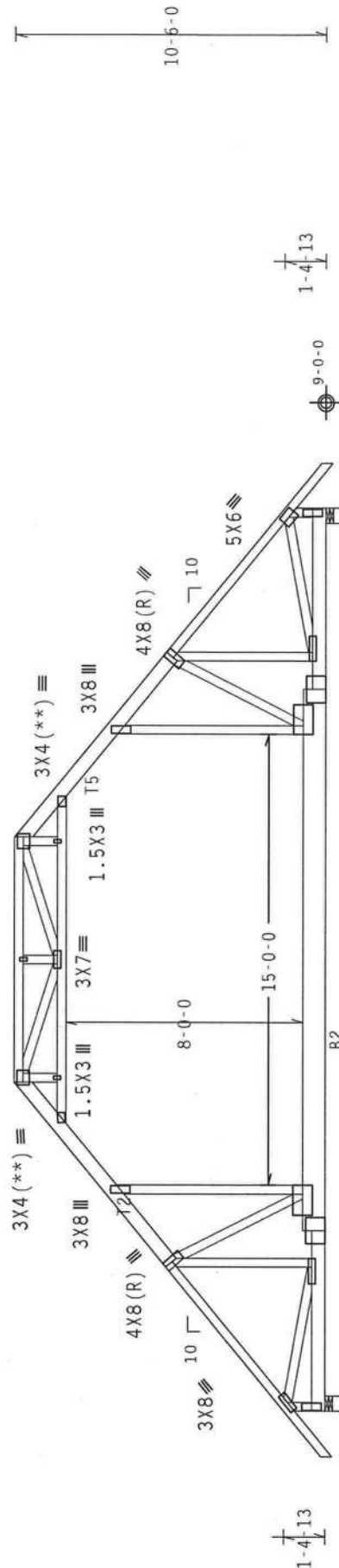
Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.13" due to live load and 0.17" due to dead load.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Collar-tie braced with continuous lateral bracing at 24" OC, or rigid ceiling.

Deflection meets L/360 live and L/240 total load.

5X6 = 1.5X3 5X6 =



10'-11" 0 8'-1" 15 9'-6" 11 30'-0" 0 Over 2 Supports
R-2490 U-109 W-6"
RL-277/-277

Design Crit: FBC2007Res/TPI-2002 (S)
FT/RT=10% (0%)/0(0) QTY:11 FL/-4/-/-R/-

PLT TYP. 20 Gauge HS.Wave	Scale = .1875"/Ft.	REF R487-- 65448
DATE 12/14/10	TC LL 20.0 PSF	DATE 12/14/10
DRW HCUSR487 10348005	TC DL 10.0 PSF	DRW HCUSR487 10348005
HC-ENG TCE/DF	BC DL 10.0 PSF	HC-ENG TCE/DF
SEQN- 167313	BC LL 0.0 PSF	SEQN- 167313
DUR.FAC. 1.25	TOT.LD. 40.0 PSF	DUR.FAC. 1.25
SPACING 24.0"	JREF- 1U70487_Z01	SPACING 24.0"

2 COMPLETE TRUSSES REQUIRED

Na11 Schedule: 0.131"x3" nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows
in each row to avoid splitting

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, Iw-1.00 GCp1(+/-)-0.18

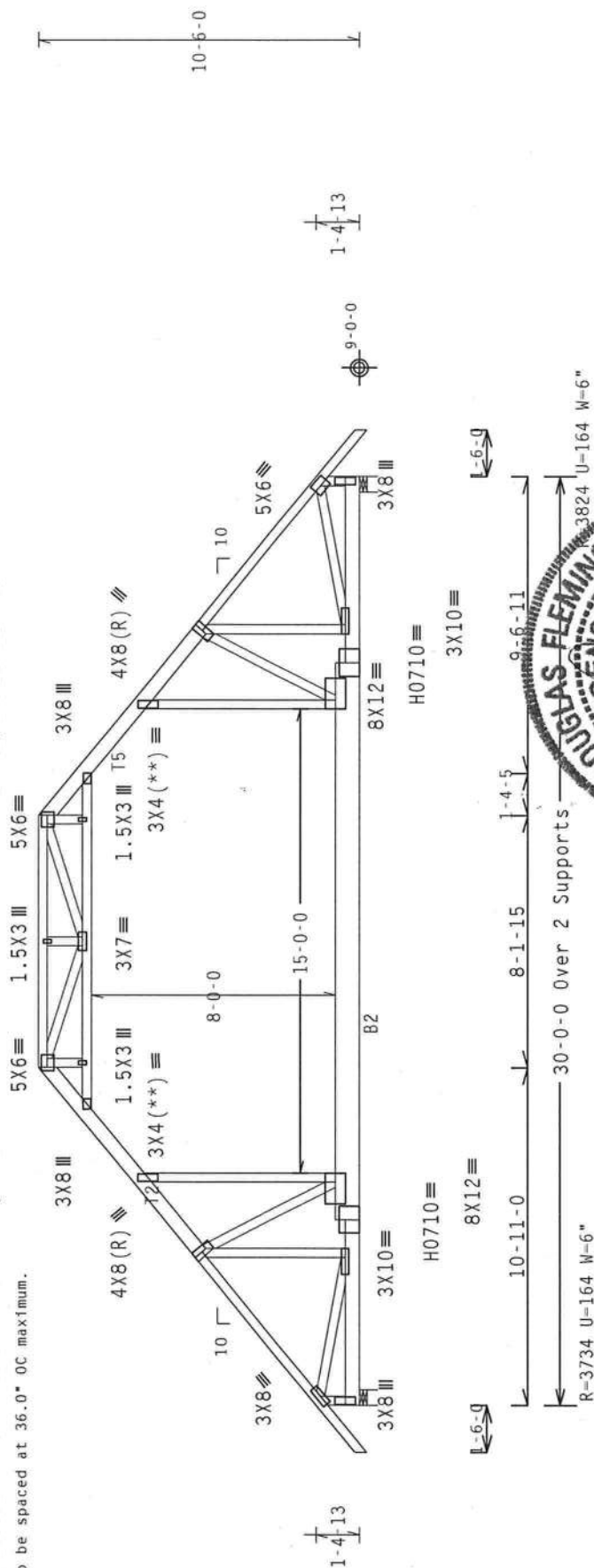
Wind reactions based on MNFRS pressures.

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.09" due to live load and 0.19" due to dead load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 7-6-0 to 22-6-0.

In lieu of structural panels or rigid ceiling use purlins: to brace all TC @ 24" OC, all BC @ 24" OC.

RL=415/-415
Design Crit: FBC2007Res/TPI-2007/S

RL=415/-415

PLT TYP. 20 Gauge HS.Wave

Wave

FT/RT=10% (0%) / 0 (0)

05/03/03 0319.16

FL/-/4/-/-/R/-/-

Scale = .1875" / Ft.

TC LL	20.0 PSF	REF R487 -- 65449
TC DL	10.0 PSF	DATE 12/14/10
BC DL	10.0 PSF	DRW HCUSR487 10348004
BC LL	0.0 PSF	HC-ENG TCE/DF
TOT.LD.	40.0 PSF	SEQN- 167317
DUR.FAC.	1.25	
SPACING	36.0"	JREF- 1U7Q487 Z01

ALPINE

ALPINE Building Components Group Inc.
Haines City, FL 33844
FL COA #0778

12/14/2010

Top chord 2x4 SP #2 Dense :T3, T6 2x6 SP SS:
Bot chord 2x6 SP #1 Dense :B2 2x10 SP #1 Dense:
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Truss spaced at 24.0" OC designed to support 0-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

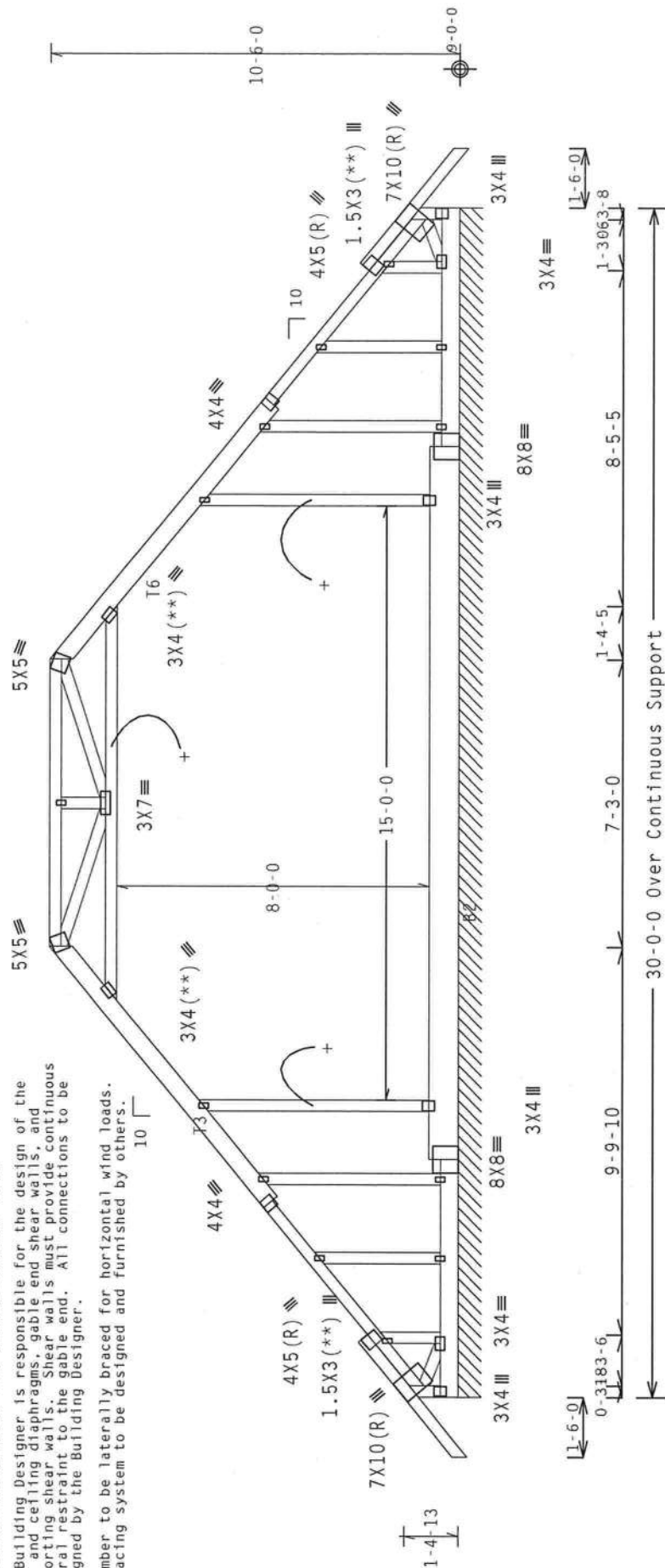
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/360 live and L/240 total load.

The Building Designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the Building Designer.

+ Member to be laterally braced for horizontal wind loads. Bracing system to be designed and furnished by others.



R-164 PLF U=6 PLF W=30-0-0
RL=7/-7 PLF

Note: All Plates Are 1.5X3 Except As Shown.

Decision.

PLT TYP: Wave

QTY:1 FI / - / 4 / - / - / R / -

Scale = 25"/Et

REF R487-- 65450

DATE 12/14/10

ORW HCUSR487 10348006

HC-ENG TCE/DF

SEON-	6012	RE
-------	------	----

REF- 1U70487 Z01

12/14/2010

REF- 1U70487 Z01



AIPTNF

ITW Building Components Group Inc.

Haines City, FL 33844

(10-238--Fill in later STANLEY CRAWFORD/ GRIEST --, ** - P)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 21.20 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-2.0 psf.
lw-1.00 Gcpl(+/-)-0.18

Wind reactions based on MMFRS pressures.

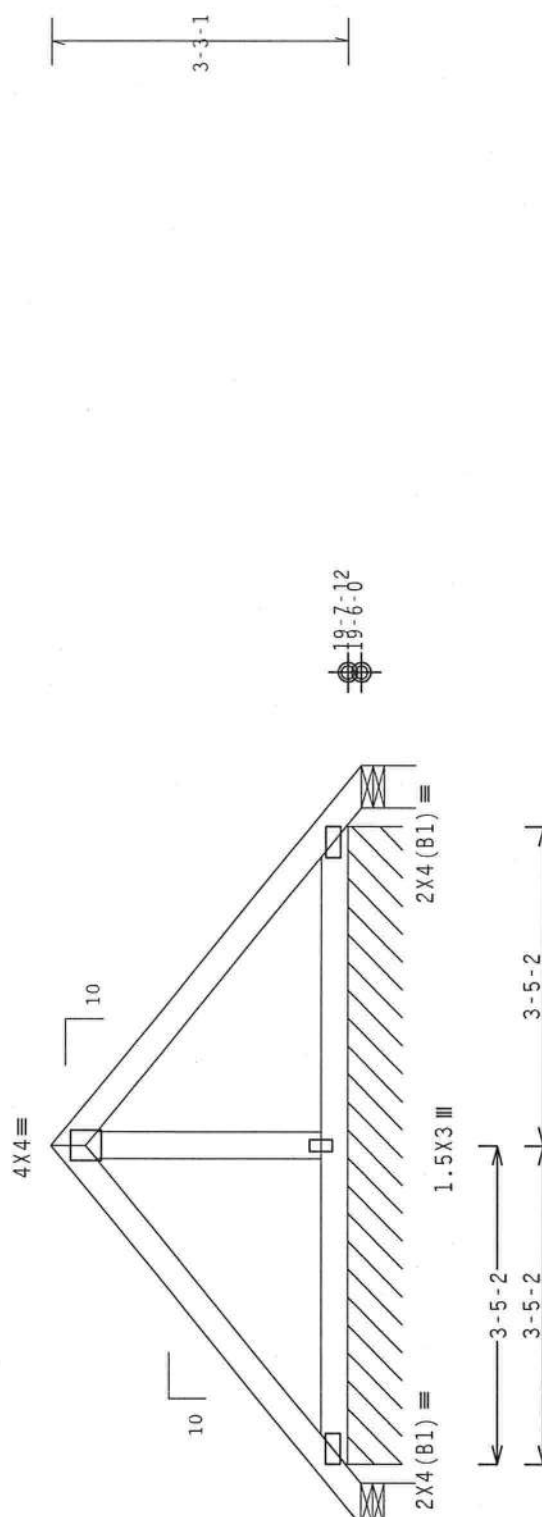
Refer to DWG PB1201009 for piggyback details.

Special loads

----- (Lumber Dur.Fac.-1.25 / Plate Dur.Fac.-1.25)
TC- From 66 plf at 0.00 to 66 plf at 4.08
TC- From 66 plf at 4.08 to 66 plf at 8.16
BC- From 4 plf at 0.00 to 4 plf at 8.16

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

Deflection meets L/240 live and L/180 total load.



8-1-15 Over 3 Supports
R=-42 Rw-89 U=97 W=5.467"
RL-83/-83
R-91 PLF U-33 PLF W-6-10-3

ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	Design Crit: FBC2007Res/TPI-2002 (S.D.) FT/RT=10%(0%/0/0)		TY:18 FL/-4/-/-/R/-		Scale =.5"/Ft.
	WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE) 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND TPI'S (TRUSS PLATE INSTITUTE) 6300 W. 10TH AVENUE, SUITE 100, DENVER, CO 80202 FOR A COMPLETE LIST OF TRUSS MANUFACTURERS. OTHERWISE, INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.		TC LL	20.0 PSF	REF R487-- 65451
			TC DL	10.0 PSF	DATE 12/14/10
			BC DL	10.0 PSF	DRW HCUSR487 1034800
			BC LL	0.0 PSF	HC-ENG TCE/DF
			TOT.LD.	40.0 PSF	SEQN- 167320
			DUR.FAC.	1.25	JREF- 1U7Q487_Z01
			SPACING	24.0"	



ALPINE

Alpine Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

Special loads
----- (Lumber

Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
66 plf at -0.63 to 66 plf at 3.00
66 plf at 3.00 to 66 plf at 6.62
4 plf at -0.63 to 4 plf at 6.62

Truss spaced at 24.0" OC designed to support 0-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load.

Refer to DWG PB1201009 for piggyback details.

For Piggyback being used for gable ends, Gable Details must also be applied as well as Piggyback Details.



R-238 U-141

Design Crit: FBC2007Res/TPI-2002 (S...
FT/RT=10%(0%)/0(0)

OTY:2 FL/-/4/-/-/R/- Scale = .5"/ft.

TC LL	20.0	PSF	REF	R487--	65452
TC DL	10.0	PSF	DATE	12/14/10	
BC DL	10.0	PSF	DRW	HCUSR487	10348008
BC LL	0.0	PSF	HC-ENG	TCE/DF	
TOT.LD.	40.0	PSF	SEQN-	167374	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1U7Q487_Z01	

12/14/2010



ALPINE
ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278

ASCE 7-05: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

GABLE STUD REINFORCEMENT DETAIL

MAX GABLE VERTICAL LENGTH	2X4 GABLE VERTICAL SPACING / SPECIES / GRADE	BRACE		(1) 1X4 "L" BRACE		(2) 2X4 "L" BRACE		(1) 2X6 "L" BRACE		(2) 2X6 "L" BRACE	
		NO BRACES		GROUP A		GROUP B		GROUP A		GROUP B	
		#1 / #2	#3	6' 10"	6' 8"	6' 10"	6' 8"	12' 5"	12' 3"	12' 5"	12' 3"
24" O.C.	SPF	STUD	STANDARD	3' 9"	3' 9"	3' 9"	3' 9"	9' 5"	9' 5"	9' 5"	9' 5"
	HF	STUD	STANDARD	3' 9"	3' 9"	3' 9"	3' 9"	9' 5"	9' 5"	9' 5"	9' 5"
	SP	STUD	STANDARD	3' 9"	3' 9"	3' 9"	3' 9"	9' 5"	9' 5"	9' 5"	9' 5"
	DFL	STUD	STANDARD	3' 9"	3' 9"	3' 9"	3' 9"	9' 5"	9' 5"	9' 5"	9' 5"
	SPF	STUD	STANDARD	3' 9"	3' 9"	3' 9"	3' 9"	9' 5"	9' 5"	9' 5"	9' 5"
	HF	STUD	STANDARD	3' 9"	3' 9"	3' 9"	3' 9"	9' 5"	9' 5"	9' 5"	9' 5"
16" O.C.	SPF	STUD	STANDARD	4' 4"	4' 4"	4' 4"	4' 4"	10' 10"	10' 10"	10' 10"	10' 10"
	HF	STUD	STANDARD	4' 4"	4' 4"	4' 4"	4' 4"	10' 10"	10' 10"	10' 10"	10' 10"
	SP	STUD	STANDARD	4' 4"	4' 4"	4' 4"	4' 4"	10' 10"	10' 10"	10' 10"	10' 10"
	DFL	STUD	STANDARD	4' 4"	4' 4"	4' 4"	4' 4"	10' 10"	10' 10"	10' 10"	10' 10"
	SPF	STUD	STANDARD	4' 4"	4' 4"	4' 4"	4' 4"	10' 10"	10' 10"	10' 10"	10' 10"
	HF	STUD	STANDARD	4' 4"	4' 4"	4' 4"	4' 4"	10' 10"	10' 10"	10' 10"	10' 10"
12" O.C.	SPF	STUD	STANDARD	4' 9"	4' 9"	4' 9"	4' 9"	11' 11"	11' 11"	11' 11"	11' 11"
	HF	STUD	STANDARD	4' 9"	4' 9"	4' 9"	4' 9"	11' 11"	11' 11"	11' 11"	11' 11"
	SP	STUD	STANDARD	4' 9"	4' 9"	4' 9"	4' 9"	11' 11"	11' 11"	11' 11"	11' 11"
	DFL	STUD	STANDARD	4' 9"	4' 9"	4' 9"	4' 9"	11' 11"	11' 11"	11' 11"	11' 11"
	SPF	STUD	STANDARD	4' 9"	4' 9"	4' 9"	4' 9"	11' 11"	11' 11"	11' 11"	11' 11"
	HF	STUD	STANDARD	4' 9"	4' 9"	4' 9"	4' 9"	11' 11"	11' 11"	11' 11"	11' 11"

MAX GABLE VERTICAL LENGTH

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	HEM-FIR
#1 / #2 STANDARD	#2 STUD
#3 STANDARD	#3 STUD

DOUGLAS FIR-LARCH

#3 STUD	STANDARD
#3 STUD	STANDARD
#3 STUD	STANDARD

GROUP B:

HEM-FIR	#1 & BTR
#1 & BTR	#1
#1 & BTR	#1

DOUGLAS FIR-LARCH

#1	#2
#1	#2
#1	#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0"

OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

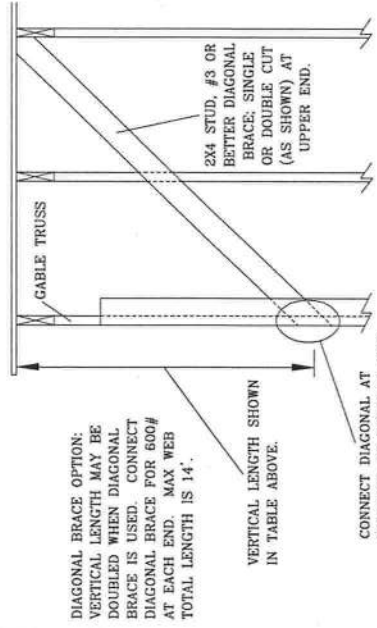
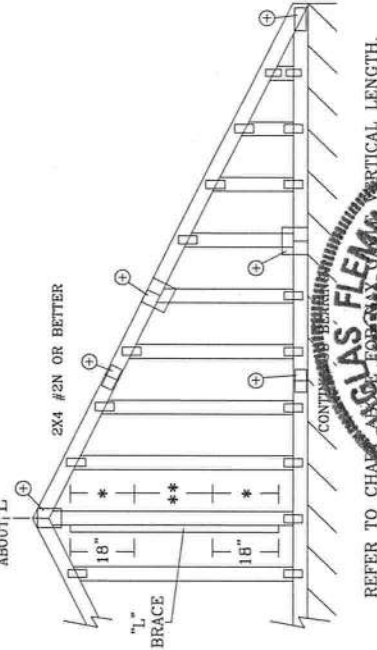
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2.5X4
GREATER THAN 11' 6"	3X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.



REF	ASCE7-05-GABI0105
DATE	1/1/09
DRWG	A11015050109

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. Truss design and bracing shall be in accordance with the following: BCS (Building Component Safety) Information, by TPI and WCA (for safety practices per BCS). Unless noted otherwise, bracing shall have properly attached structural panels and bottom chord shall have a properly attached right side panel. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviations from this design. Any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing, or bracing of trusses. ITWBCG connector plates are made of 2018/16GA (W/S/K) ASTM A572 grade 50 (K/W/M/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on every diagonal. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility for the truss component design shown. The suitability and use of this component for any application shall be the responsibility of the user. ITW-BCCG, www.itwbcg.com, TPI: www.tpi.net, WCA: www.wcaindustry.com, ICC: www.icc.com



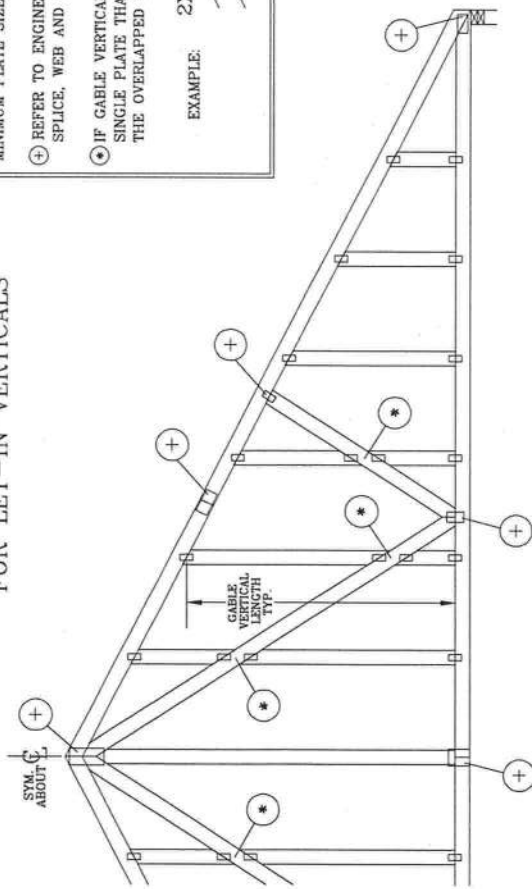
Building Components Group Inc.

Earth City, MO 63045



12/14/2010

GABLE DETAIL FOR LET-IN VERTICALS

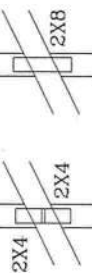


GABLE TRUSS PLATE SIZES

REFER TO APPROPRIATE ITW GABLE DETAIL FOR MINIMUM PLATE SIZES FOR VERTICAL STUDS.

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

⊙ IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE THAT COVERS THE TOTAL AREA OF THE OVERLAPPED PLATES TO SPAN THE WEB.



EXAMPLE:

"T" REINFORCEMENT ATTACHMENT DETAIL

"T" REINFORCING MEMBER



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" INCREASE BY LENGTH (BASED ON APPROPRIATE ITW GABLE DETAIL).

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	"T" INCREASE
140 MPH	2x4	10 %
15 FT	2x6	50 %
140 MPH	2x4	10 %
30 FT	2x6	50 %
130 MPH	2x4	10 %
15 FT	2x6	50 %
130 MPH	2x4	10 %
30 FT	2x6	50 %
120 MPH	2x4	10 %
15 FT	2x6	50 %
120 MPH	2x4	10 %
30 FT	2x6	40 %
110 MPH	2x4	10 %
15 FT	2x6	40 %
110 MPH	2x4	10 %
30 FT	2x6	50 %
100 MPH	2x4	20 %
15 FT	2x6	30 %
100 MPH	2x4	10 %
30 FT	2x6	40 %
90 MPH	2x4	20 %
15 FT	2x6	20 %
90 MPH	2x4	20 %
30 FT	2x6	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT, Kzt = 1.00
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

END DRIVEN NAILS:

10d COMMON (0.148" x 3.1" MIN) NAILS AT 4" O.C. PLUS
(4) NAILS IN TOP AND BOTTOM CHORD.

TOENAIL NAILS:

10d COMMON (0.148" x 3.1" MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ITW GABLE DETAIL FOR ASCE

WIND LOAD.

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015980109, A12015980109, A11015980109, A10015980109,

A13030980109, A12030980109, A11030980109, A10030980109

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015020109, A12015020109, A11015020109, A10015020109,

A13030020109, A12030020109, A11030020109, A10030020109

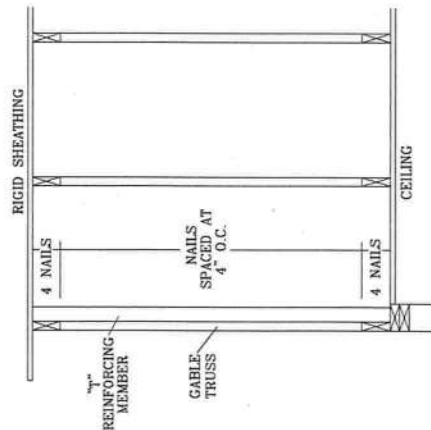
ASCE 7-05 GABLE DETAIL DRAWINGS

A13015050109, A12015050109, A11015050109, A10015050109,

A13030050109, A12030050109, A11030050109, A10030050109

SEE APPROPRIATE ITW GABLE DETAIL FOR MAXIMUM

UNREINFORCED GABLE VERTICAL LENGTH.



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Earth City, MO 63045

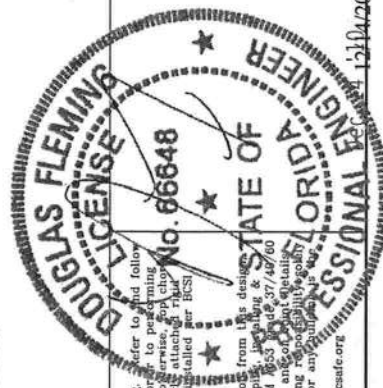
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. BCSI (Building Component Safety Information, by TPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, for cladding shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Sections shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections E5 & E7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviations from this design. ITWBCG shall build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 2018/16CA (W/H/S/K) ASTM A572 Grade 50 (K/W/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and attached to gable verticals. ITWBCG shall not be responsible for any deviations from this design. The suitability and use of this component for any other application is the responsibility of the Building Designer per ANST/TPI 1 Sec. 2.

ITW-BCC: www.itw-bcg.com; TPI: www.tpinet.com; WCA: www.bcsindustry.com; ICC: www.iccsafe.org



REF LET-IN VERT

DATE 1/1/09

DRWG GBLTIN0109

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"

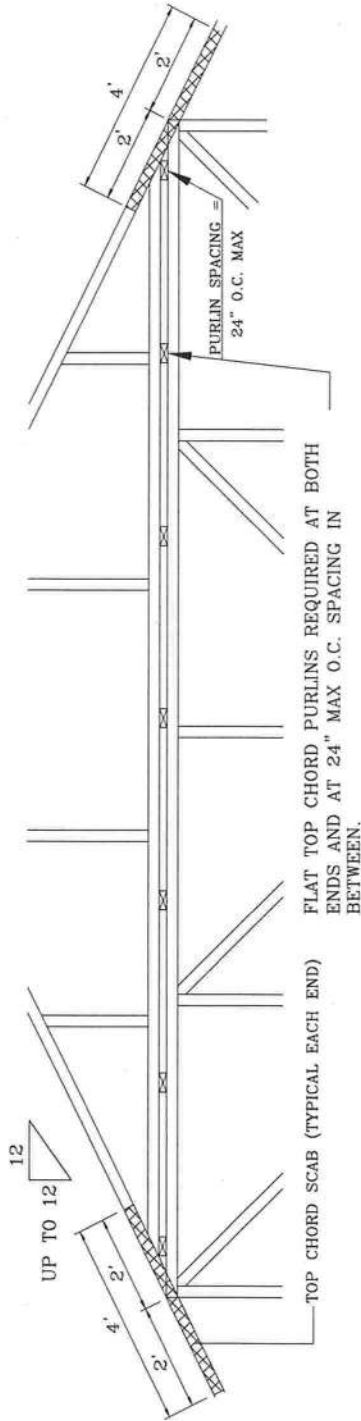
120 PIGGYBACK DETAIL

UP TO 120 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02 OR ASCE 7-05, ENCLOSED BLDG. LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND DL= 5.0 PSF (MIN), Kzt=1.0.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. THE BUILDING ENGINEER OF RECORD SHALL PROVIDE DIAGONAL BRACING OR ANY OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS, AND LATERAL BRACING FOR OUT OF PLANE LOADS OVER GABLE ENDS.

*** REFER TO ENGINEER'S SEALED TRUSS DESIGN DRAWING FOR PIGGYBACK AND BASE TRUSS SPECIFICATIONS.

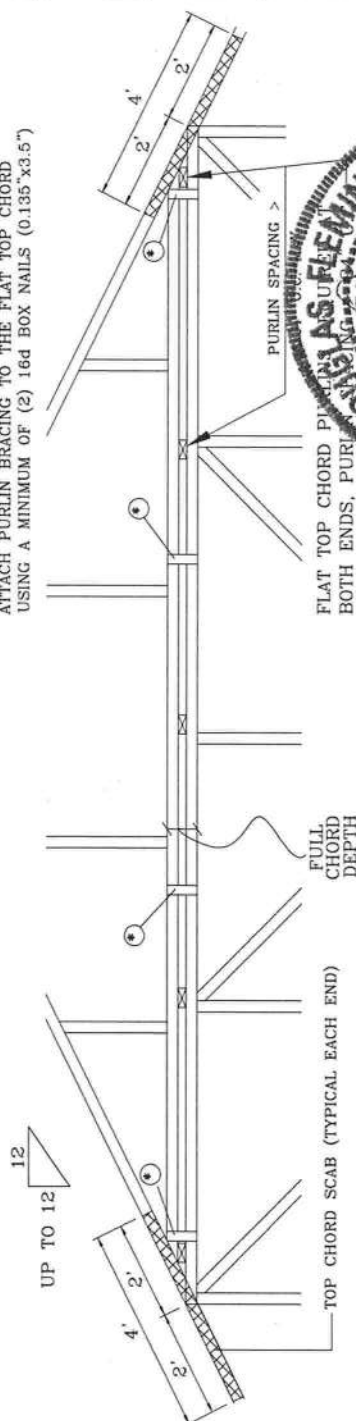
DETAIL A : PURLIN SPACING = 24" O.C. OR LESS



DETAIL B : PURLIN SPACING $> 24"$ O.C.

PIGGYBACK CAP TRUSS SLANT NAILED TO ALL TOP CHORD PURLIN BRACING WITH (2) 16d BOX NAILS (0.135"x3.5") AND SECURE TOP CHORD WITH 2x4 #3 GRADE SCAB (1 SIDE ONLY AT EACH END) ATTACHED WITH 2 ROWS OF 10d BOX NAILS (0.128"x3") AT 4" O.C.

ATTACH PURLIN BRACING TO THE FLAT TOP CHORD USING A MINIMUM OF (2) 16d BOX NAILS (0.135"x3.5")



NOTE: IF PURLINS OR SHEATHING ARE NOT SPECIFIED ON THE FLAT TOP OF THE RAISED TRUSS, PURLINS MUST BE INSTALLED AT 24" O.C. MAX. AND USE DETAIL A.

••WARNING•• READ AND FOLLOW ALL NOTES ON THIS SHEET!

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following sections for more information:

- **BCSI (Building Component Safety Information, by TPI and WCA)** These functions. Installers should use temporary bracing for all trusses. Unless noted otherwise, top chord shall have property attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed.
- **BCSI** sections E3 and B7. See this job's general notes page for more information.

••IMPORTANT•• FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. A seal on this drawing or cover plate indicates acceptance and professional engineering responsibility for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

Earth City, MO 63045



TWT
Building Components Group Inc.

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12/14/2010

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USA

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

12/14/2012

• IN ADDITION, PROVIDE CONNECTION WITH ONE OF THE FOLLOWING METHODS:

TRULOX

USE 3x8 TRULOX PLATES FOR 2x4 CHORD MEMBER, AND 3x10 TRULOX PLATES FOR 2x6 AND LARGER CHORD MEMBERS. ATTACH TO EACH FACE @ 6" O.C. WITH (4) 0.120"x1.375" NAILS INTO CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. TRULOX PLATES MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.

APA RATED GUSSET

8" x 8" x 7/16" (MIN) APA RATED SHEATHING GUSSETS (EACH FACE), ATTACH @ 8' O.C. WITH (8) 6d COMMON 0.113" x 2" NAILS PER GUSSET, (4) IN CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. GUSSETS MAY BE STAGGERED 4' O.C. FRONT TO BACK FACES.

2x4 VERTICAL SCABS

2x4 SPF#2, FULL CHORD DEPTH SCABS (EACH FACE).
ATTACH @ 8' O.C. WITH (6) 10d BOX NAILS (0.128"x3")
UPPER SCAB, (3) IN CAP BOTTOM CHORD AND (3) IN
BASE TRUSS TOP CHORD. SCABS MAY BE STAGGERED
4' O.C. FRONT TO BACK FACES.

28PB WAVE PIGGYBACK PLATE

ONE 2BPB WAVE PIGGYBACK PLATE TO EACH FACE @ 8" O.C. ATTACH TEETH TO PIGGYBACK AT TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120"x1.375" NAILS PER FACE PER PLY. PIGGYBACK PLATES MAY BE STAGGERED 4" O.C. FRONT TO BACK PLATES.

REF PIGGYBACK

DATE 03/15/10

DRWG PB1200310

ASCE 7-05: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

MAX GABLE CABLE REINFORCEMENT DETAIL

2X4 GABLE VERTICAL SPACING SPECIES GRADE		BRACE	NO BRACES	(1) 1X4 "L" BRACE •										(2) 2X4 "L" BRACE ••										(1) 2X6 "L" BRACE •										(2) 2X6 "L" BRACE •																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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MAX GABLE VERTICAL LENGTH	16" O.C.	SPF	#1 / #2	3' 8"	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	8' 11"	9' 2"	9' 2"	11' 9"	11' 9"	12' 1"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 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GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS $L/240$.

PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

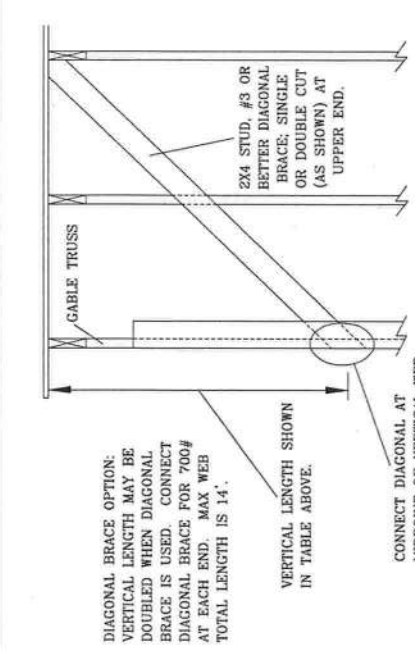
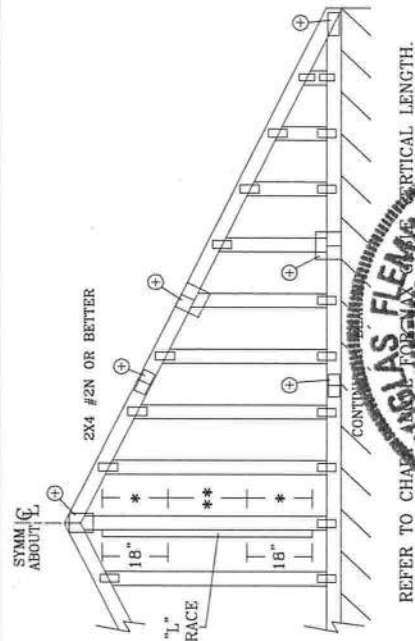
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH	NO SPLICE	1X4 OR 2X3	2.5X4
LESS THAN 4' 0"			
GREATER THAN 4' 0", BUT LESS THAN 11' 6"			
GREATER THAN 11' 6"			

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.



Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the Building Component Safety Information, by TPI and WCA, for details on proper bracing of trusses. Truss components shall have properly attached structural panels and bottom chord shall have a properly attached ridge cap. Locations shown for permanent lateral restraint of webs shall have bracing indicated per ECSI

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE Baya Dr.

City Lake City Phone 386-756-1703

Site Location: Subdivision _____

Lot # _____ Block# _____ Permit # 29226

Address 597 NW Indian Springs rd L.C.

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
☐ Premise	Imidacloprid	0.1%
☒ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment:

☒ Soil

☐ Wood

<u>Area Treated</u>	<u>Square feet</u>	<u>Linear feet</u>	<u>Gallons Applied</u>
<u>Main Body</u>	<u>1200</u>	<u>140</u>	<u>65</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

7-3-11
Date

10:14
Time

FORZB.H.
Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink