DATE 04/13/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027741

APPLICANT KIMBERLY WILLIAMS PHONE 352 231-1424

ADDRESS 512 SE WATERLEAF DR. LAKE CITY FL 32024

OWNER KIMBERLY WILLIAMS PHONE 352 231-1424

ADDRESS 512 SE WATERLEAF DR. LAKE CITY FL 32024

CONTRACTOR SAME AS APPLICANT PHONE

LOCATION OF PROPERTY 441S, TL ON CR 18, TR WATERLEAF DR., TO END ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 220050.00

HEATED FLOOR AREA 2461.00 TOTAL AREA 4401.00 HEIGHT 15.00 STORIES 2

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT

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

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

PARCEL ID 24-6S-17-09769-003 SUBDIVISION

LOT BLOCK PHASE .00 UNIT 0 TOTAL ACRES 15.00

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
EXISTING	09-145	BK	RJ
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance

New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 1101

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

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

Framing date/app. by Insulation date/app. by

Rough-in plumbing above slab and below wood floor date/app. by Electrical rough-in date/app. by

Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by Pool date/app. by

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

Pump pole date/app. by Utility Pole date/app. by M/H tie downs, blocking, electricity and plumbing date/app. by

Reconnection date/app. by RV date/app. by Re-roof date/app. by

BUILDING PERMIT FEE $ 1105.00 CERTIFICATION FEE $ 22.00 SURCHARGE FEE $ 22.00

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 1224.00

INSPECTORS OFFICE Hale Tedder CLERKS OFFICE CH

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

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0903-15 Date Received 3/9/09 By G Permit # 27741

Zoning Official BLK Date 07.01.09 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1ft above Private Rd River N/A Plans Examiner MH Date 4/1/09

Comments Existing well

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

Septic Permit No. Fax

Name Authorized Person Signing Permit Kimberly Williams Phone 352-231-1424

Address 512 SE Waterleaf Dr. Lake City, FL 32024

Owners Name Kimberly Williams Phone 352-231-1424

911 Address 512 SE Waterleaf Dr. Lake City, FL 32024

Contractors Name owner Contracting Phone

Address n/a

Fee Simple Owner Name & Address

Bonding Co. Name & Address

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 24-6S-17-09769-003 Estimated Cost of Construction 125,000

Subdivision Name None Lot Block Unit Phase

Driving Directions 441 to CR18, turn left 2 miles to Waterleaf Dr. on right. All the way to end on right,

Number of Existing Dwellings on Property 0

Construction of SFD Total Acreage 15 Lot Size

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

Actual Distance of Structure from Property Lines - Front 1140 Side 25 Side 185 Rear 52

Number of Stories 2 Heated Floor Area 2461 Total Floor Area 4401 Roof Pitch 7/12

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.

Spoke to Kim 4/7/09

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.

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

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Kimberly Williams
Owners Signature

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

Contractor's Signature (Permitee)

Contractor's License Number_____
Columbia County
Competency Card Number_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this ____ day of _____ 20___.

Personally known_____ or Produced Identification_____

SEAL:

State of Florida Notary Signature (For the Contractor)

COLUMBIA COUNTY BUILDING DEPARTMENT
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

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

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved for yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Columbia County Building Department. Additionally, state statutes allows for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Columbia County, i.e. masonry, drywall, carpentry. Contractors licensed by the Columbia County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

TYPE OF CONSTRUCTION

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

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

Kimberly Williams 3/2/09
Owner Builder Signature Date

FLORIDA NOTARY
The above signer is personally known to me or produced identification _____
Notary Signature Sharon W. Bennett Date 3/2/09

SHARON W. BENNETT
Notary Public - State of Florida
My Commission Expires Jun 8, 2012
Commission # DD 788912
Bonded Through National Notary Assn.

FOR BUILDING DEPARTMENT USE ONLY
I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7). Date_____ Building Official/Representative_____

18.50
805.00

Prepared by and Return to:
Mary T. Dotson, an employee of
Alachua Title Services, LLC,
P.O. Box 2408 (32616), 16407 N.W. 174th Drive, Suite C
Alachua, Florida 32615
386-418-8183

File Number: ATS07-112

Inst:200712028587 Date:12/31/2007 Time:9:57 AM
Doc Stamp-Deed:805.00
DC,P.DeWitt Cason,Columbia County Page 1 of 2

WARRANTY DEED

Made this 28TH day of December, 2007 A.D., by and between **Kevin M. O'Neill and Debra A. O'Neill, husband and wife,** whose address is: 5924 Parkdale Road, Knoxville, TN 37912, hereinafter called the "grantor", to **Kimberly B. Williams and Dudley E. Williams, Jr., wife and husband**, whose post office address is: P.O. Box 236, Bryceville, Florida 32009, 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 Ten Dollars, ($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, to-wit:

BEGIN AT THE SE CORNER OF THE EAST 1/2 OF THE SW 1/4 OF SECTION 24, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN N.01°26'27"W., 396.37 FEET; THENCE S.87°53'06"W., 748.47 FEET; THENCE N.01°26'27"W., 107.75 FEET; THENCE S.87°53'06"W., 250.00 FEET; THENCE N.39°06'42"W., 450.00 FEET; THENCE N.89°18'06"W., 50.04 FEET; THENCE S.01°35'32"E., 865.99 FEET; THENCE N.87°53'06"E., 1321.22 FEET TO THE POINT OF BEGINNING.

SUBJECT TO AN EASEMENT FOR INGRESS, EGRESS AND UTILITY PURPOSES OVER AND ACROSS THE FOLLOWING DESCRIBED PARCEL:

COMMENCE AT THE SE CORNER OF THE EAST 1/2 OF THE SW 1/4 OF SECTION 24, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA AND RUN N.01°26'27"W., 635.39 FEET; THENCE S.87°53'06"W., 1098.91 FEET TO THE POINT OF BEGINNING; THENCE N.39°06'42"W., 285.66 FEET; THENCE N.89°18'06"W., 39.05 FEET; THENCE S.39°06'42"E., 363.18 FEET; THENCE N.87°53'06"E., 37.56 FEET; THENCE N.39°06'42"W., 75.12 FEET TO THE POINT OF BEGINNING.

Parcel Identification Number: R09769-003

Subject to covenants, conditions, restrictions and easements of record.

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, 2007.

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

Signed, sealed and delivered in the presence of these witnesses:

Witness Signature
Print Name: Tyler Boldin

Witness Signature
Print Name: Dean Maples

Kevin M. O'Neill 12/18/07
Kevin M. O'Neill

Debra A. O'Neill 12/18/07
Debra A. O'Neill

State of TN

County of KNOX

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED before me this 18 day of December, 2007 by **Kevin M. O'Neill and Debra A. O'Neill** who is personally known to me or has produced a _____ as identification.

Robby Mathis
NOTARY PUBLIC

Robby Mathis
Notary Print Name
My Commission Expires: 1-3-2010

ROBBY MATHIS
STATE OF TENNESSEE NOTARY PUBLIC
KNOX COUNTY

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Williams Residence**	Builder:	**Owner**
Address:	**SE County Rd 18**	Permitting Office:	**Columbia Co**
City, State:	**Lake City, FL 32055-**	Permit Number:	
Owner:	**Kim Williams**	Jurisdiction Number:	**121000**
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		2461 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	232.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 154.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=19.0, 999.0 ft²	
b. Frame, Wood, Exterior		R=13.0, 295.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2461.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 15.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 35.0 kBtu/hr	
	SEER: 14.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 35.0 kBtu/hr	
	HSPF: 7.90	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 30.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT, CF,	

Glass/Floor Area: 0.09

Total as-built points: 23412

Total base points: 33160

PASS

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

PREPARED BY: Tim Delbene

DATE: 2/9/09

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: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SE County Rd 18, Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2461.0	20.04	8877.3	Double, Clear	N	12.0	7.0	30.0	19.20	0.64	366.0	
				Double, Clear	S	12.0	7.0	60.0	35.87	0.46	988.1	
				Double, Clear	E	12.0	5.0	12.0	42.06	0.37	188.3	
				Double, Clear	E	12.0	5.0	9.0	42.06	0.37	141.2	
				Double, Clear	E	12.0	8.0	20.0	42.06	0.43	364.2	
				Double, Clear	E	2.0	6.0	32.0	42.06	0.85	1141.5	
				Double, Clear	E	2.0	5.0	9.0	42.06	0.80	301.7	
				Double, Clear	W	12.0	7.0	60.0	38.52	0.42	979.5	
				As-Built Total:				**232.0**			**4470.6**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			19.0	999.0	0.90		899.1	
Exterior	1294.0	1.70	2199.8	Frame, Wood, Exterior			13.0	295.0	1.50		442.5	
Base Total:	**1294.0**		**2199.8**	**As-Built Total:**				**1294.0**			**1341.6**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				21.0	4.10		86.1	
Exterior	42.0	6.10	256.2	Exterior Insulated				21.0	4.10		86.1	
Base Total:	**42.0**		**256.2**	**As-Built Total:**				**42.0**			**172.2**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	2461.0	1.73	4257.5	Under Attic			30.0	2461.0	1.73 X 1.00		4257.5	
Base Total:	**2461.0**		**4257.5**	**As-Built Total:**				**2461.0**			**4257.5**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	154.0(p)	-37.0	-5698.0	Slab-On-Grade Edge Insulation			0.0	154.0(p	-41.20		-6344.8	
Raised	0.0	0.00	0.0									
Base Total:			**-5698.0**	**As-Built Total:**				**154.0**			**-6344.8**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	2461.0	10.21	25126.8					2461.0	10.21		25126.8	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SE County Rd 18, Lake City, FL, 32055-**	PERMIT #:

BASE			AS-BUILT					
Summer Base Points:		**35019.7**	**Summer As-Built Points:**					**29023.9**
Total Summer Points	System Multiplier	Cooling Points	Total Component	Cap Ratio	Duct Multiplier (DM x DSM x AHU)	System Multiplier	Credit Multiplier	Cooling Points
35019.7	**0.4266**	**14939.4**	29023.9 **29023.9**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.244 **0.244**	0.902 **0.902**	7265.1 **7265.1**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SE County Rd 18, Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2461.0	12.74	5643.6	Double, Clear	N	12.0	7.0	30.0	24.58	1.02	755.1	
				Double, Clear	S	12.0	7.0	60.0	13.30	3.44	2742.2	
				Double, Clear	E	12.0	5.0	12.0	18.79	1.48	333.9	
				Double, Clear	E	12.0	5.0	9.0	18.79	1.48	250.4	
				Double, Clear	E	12.0	8.0	20.0	18.79	1.39	522.4	
				Double, Clear	E	2.0	6.0	32.0	18.79	1.06	637.8	
				Double, Clear	E	2.0	5.0	9.0	18.79	1.08	183.2	
				Double, Clear	W	12.0	7.0	60.0	20.73	1.22	1512.1	
				As-Built Total:				**232.0**			**6937.2**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			19.0	999.0	2.20		2197.8	
Exterior	1294.0	3.70	4787.8	Frame, Wood, Exterior			13.0	295.0	3.40		1003.0	
Base Total:	**1294.0**		**4787.8**	**As-Built Total:**				**1294.0**			**3200.8**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				21.0	8.40		176.4	
Exterior	42.0	12.30	516.6	Exterior Insulated				21.0	8.40		176.4	
Base Total:	**42.0**		**516.6**	**As-Built Total:**				**42.0**			**352.8**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	2461.0	2.05	5045.0	Under Attic			30.0	2461.0	2.05 X	1.00	5045.0	
Base Total:	**2461.0**		**5045.0**	**As-Built Total:**				**2461.0**			**5045.0**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	154.0(p)	8.9	1370.6	Slab-On-Grade Edge Insulation			0.0	154.0(p	18.80		2895.2	
Raised	0.0	0.00	0.0									
Base Total:			**1370.6**	**As-Built Total:**				**154.0**			**2895.2**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	2461.0	-0.59	-1452.0					2461.0	-0.59		-1452.0	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SE County Rd 18, Lake City, FL, 32055-**	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**15911.6**	**Winter As-Built Points:**					**16979.0**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
15911.6	**0.6274**	**9983.0**	16979.0 **16979.0**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.432 **0.432**	0.950 **0.950**	8091.7 **8091.7**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **SE County Rd 18, Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2746.00	8238.0	30.0	0.90	3		1.00	2684.98	1.00	8054.9
				As-Built Total:							**8054.9**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
14939	**9983**	**8238**	**33160**	**7265**	**8092**	**8055**	**23412**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **SE County Rd 18, Lake City, FL, 32055-** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	✓
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	✓
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	✓
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	✓
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	✓
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	✓

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	✓
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	N/A
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	✓
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	✓
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	✓
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	✓

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: 0903-15

Applicant: Kimberly Williams Owner/Builder: Property Identification number: 24-6S-17-09769-003

On the date of March 11, 2009 application 0903-15 and plans were reviewed for compliance of the 2007 Florida building code/ Residential. The documents and plans submitted are for construction of a R3 single family dwelling.

Reviewed the following listed information so this building permit application may proceed toward issuance.

Please complete the enclosed Columbia County Building Department residential check list; each section of this check list is numbered. Please provide the need information for all listed line numbers and secure the following required information.

Line 39: The second floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer. Two sets of these plans are required.

Line 56: Indicate on the plans the porch header beams, show sizes, type, span lengths

Line 61: Include a layout and truss details, signed and sealed by Florida Professional Engineer. Two sets of these plans are required.

Line 89: Identify on the electrical plans the location of the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of

which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.

New calculations are needed to be performed on the submitted Florida Energy Efficiency Code For Building Construction (Residential Whole Building Performance Method A) form 600A-2001 to show compliance with chapter 11 Energy Efficiency Code of the 2007 Florida Building Code Residential.

Complete the attached Florida product approval form to show that all materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans.

If you should have any question please contact the above address, or call phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0903-15 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Code 2007only and doesn't make any consideration toward the land use and zoning requirements.

Thank You:

Joe Haltiwanger
Columbia County Building
Department

Inst:200912005907 Date:4/13/2009 Time:2:36 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1170 P:2635

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 24-6S-17-09769-003

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

1. Description of property *(legal description)*: BGE SE Cor of E1/2 of SW/4, Run N 396.37 Ft. W 748.47 Ft. N 07.75 Ft. W 250.00 Ft. N 39 Deg. W 450 Ft. W 50.04 Ft.
   a) Street *(job)* Address: 512 SE Waterleaf Dr. Lake City, FL 32024
2. General description of improvements: Building house
3. Owner Information
   a) Name and address: Kimberly Williams
   b) Name and address of fee simple titleholder (if other than owner) 512 SE Waterleaf Dr. Lake City, FL 32024
   c) Interest in property Owner
4. Contractor Information
   a) Name and address: Kimberly Williams 512 SE Waterleaf Dr. Lake City, FL 32024
   b) Telephone No.: 352-231-1484 Fax No. (Opt.)
5. Surety Information
   a) Name and address
   b) Amount of Bond: N/A
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address: N/A
   b) Phone No.
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served
   a) Name and address: N/A
   b) Telephone No.: Fax No. (Opt.)
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes:
   a) Name and address: N/A
   b) Telephone No.: Fax No. (Opt.)
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**:

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

Kimberly Williams
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 13th day of April, 2009, by:

_____ as _____ **(type of authority, e.g. officer, trustee, attorney fact) for** Kimberly B. Williams **(name of party on behalf of whom instrument was executed).**

Personally Known ____ OR Produced Identification DL Type W452502747460

Notary Signature Cassie Green Notary Stamp or Seal:

CASSIE GREEN
Notary Public, State of Florida
Commission# DD422303
My comm. expires April 25, 2009

—AND—

11. Verification pursuant to Section 92 525. Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Kimberly Williams
Signature of Natural Person Signing (in line #10 above.)

STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

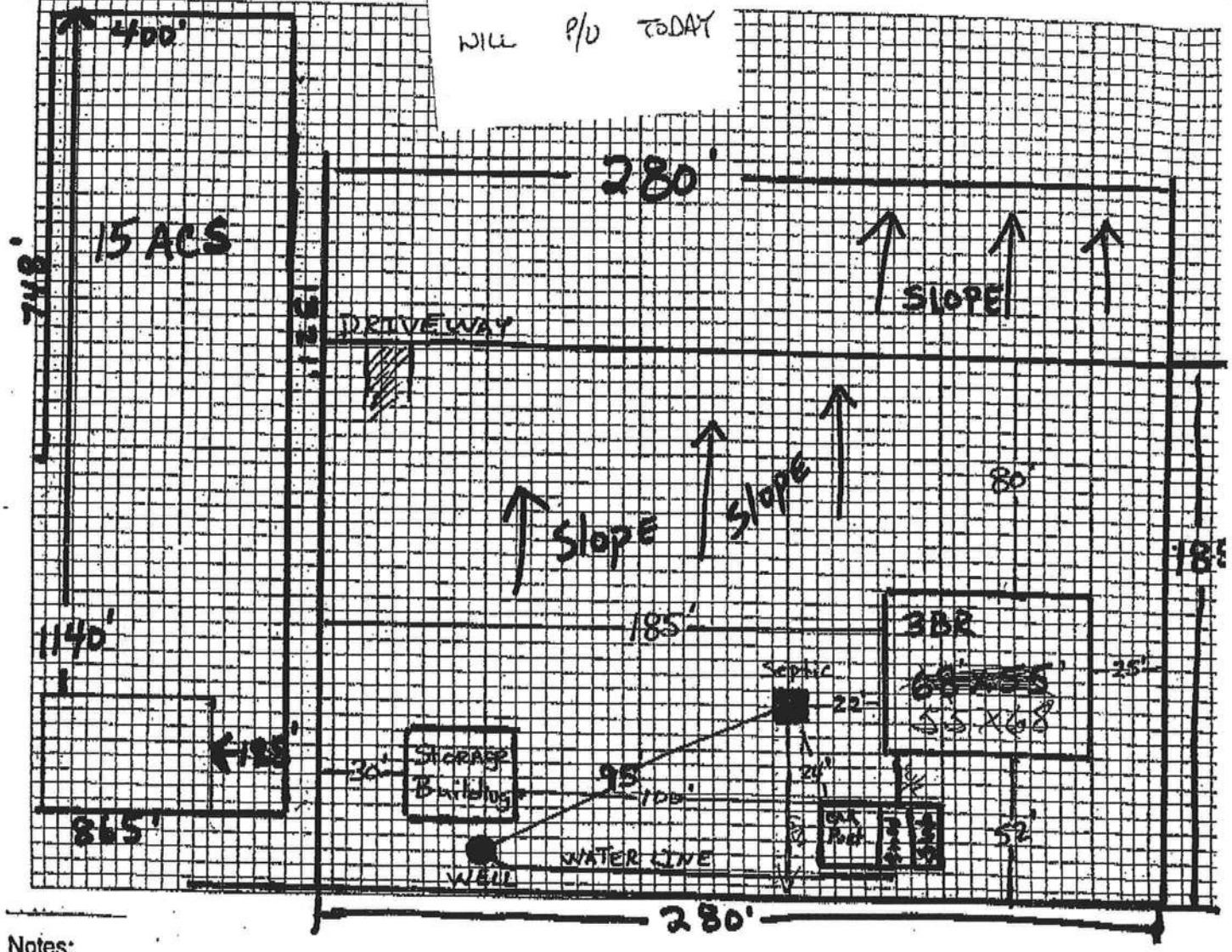
Permit Application Number 09-0145-M

IN

KIM WILLIAMS

WILL P/U TODAY

Scale: Each block represents 5 feet and



Notes:

Site Plan submitted by: Signature Owner Title

Plan Approved APPROVED Not Approved Date 4/13/9

By Columbia CHD County Health Departi

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/98 (Replaces HRS-H Form 4015 which may be used)

Application # 0903-15

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIRMENTS

MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE RESIDENTIAL 2007 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) **SHALL BE USED.**

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE -------- 100 MPH
ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE --------110 MPH
NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			Items to Include- Each Box shall be Circled as Applicable		
				Yes	No	N/A
1	Two (2) complete sets of plans containing the following:			✓		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void			✓		
3	Condition space (Sq. Ft.) 2461		Total (Sq. Ft.) under roof 4401	IIIIIII	IIIIIII	IIII

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

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

Wind-load Engineering Summary, calculations and any details required

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIIII YES	IIIII NO	IIIIII N/A
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.	✓		

Elevations Drawing including:

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys	✓		
18	Location and size of skylights with Florida Product Approval	✓		
18	Number of stories	✓		
20A	Building height from the established grade to the roofs highest peak	✓		

Floor Plan including:

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

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

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.	✓		
32	Assumed load-bearing valve of soil_____ Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type)	✓		

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 320: PROTECTION AGAINST TERMITES

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

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

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

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

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	✓		
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers	✓		
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers	✓		
42	Attachment of joist to girder	✓		
43	Wind load requirements where applicable	✓		
44	Show required under-floor crawl space	✓		
45	Show required amount of ventilation opening for under-floor spaces	✓		
46	Show required covering of ventilation opening	✓		
47	Show the required access opening to access to under-floor spaces	✓		
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &	✓		

48	intermediate of the areas structural panel sheathing	✓		
49	Show Draftstopping, Fire caulking and Fire blocking	✓		
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309	✓		
51	Provide live and dead load rating of floor framing systems (psf).	✓		

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	✓		
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses	✓		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓		
64	Provide dead load rating of trusses	✓		

FBCR 802:Conventional Roof Framing Layout

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

FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	✓		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	✓		

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assembles covering			
72	Submit Florida Product Approval numbers for each component of the roof assembles covering			

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. *Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area*

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	✓		
74	Attic space	✓		
75	Exterior wall cavity	✓		
76	Crawl space	✓		

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study			
78	Exhaust fans locations in bathrooms	✓		
79	Show clothes dryer route and total run of exhaust duct			✓

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan	✓		
81	Show the location of water heater	✓		

Private Potable Water

82	Pump motor horse power			
83	Reservoir pressure tank gallon capacity			
84	Rating of cycle stop valve if used			

Electrical layout shown including

85	Switches, outlets/receptacles, lighting and all required GFCI outlets identified	✓		
86	Ceiling fans	✓		
87	Smoke detectors & Carbon dioxide detectors	✓		
88	Service panel, sub-panel, location(s) and total ampere ratings	✓		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.	✓		

90	Appliances and HVAC equipment and disconnects	✓		
91	Arc Fault Circuits (AFCI) in bedrooms	✓		

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**Building Permit Application** A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
94	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058			
95	**City of Lake City** A permit showing an approved waste water sewer tap			✓
96	**Toilet facilities shall be provided for all construction sites**			
97	**Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			✓
98	**Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations			✓
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established	✓		
100	A development permit will also be required. Development permit cost is **$50.00**			
101	**Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.			✓
102	**911 Address:** If the project is located in an area where a 911 address has not been issued, then application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125			

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation 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.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the applicati or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance o a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became nu and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date if issuance of the new permit.

Work Shall Be:

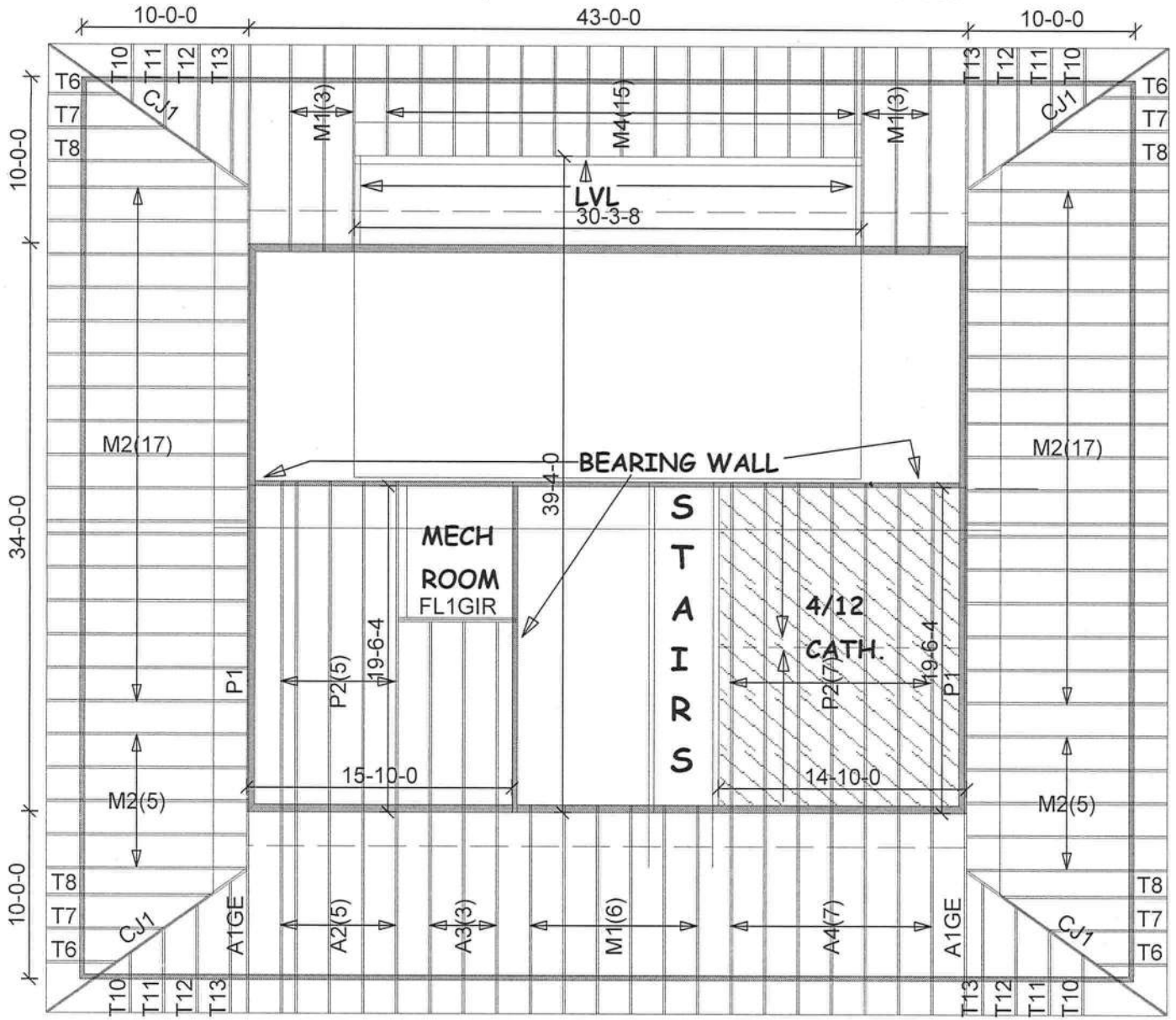
Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applican will be notified by phone as to the date and time a building permit will b prepared and issued by the Columbia County Building & Zoning Department

VERIFY LAYOUT, DIMENSIONS AND TRUSS PROFILES



7/12 W/ 8-01" O.A. HEEL ROOF
5/12 PORCH
GABLE END NOT DROPPED
4/12 CATHEDRAL
FLAT CEILING
2' OVERHANG
BONUS ROOM

HANGER SCHEDULE
A3--THD26
CJ1--HJC26
FL1GIR--THD26-2
M2--JUS26
M4--JUS26

Mayo Truss Co. Inc.
845 East US 27
MAYO, FL 32066
(386)294-3988
(877)-558-6262

KIM WILLIAMS

120 MPH ASCE WIND LOAD

Roof Loading
TC Live: 20.00 psf
TC Dead: 10.00 psf
BC Live: 0.00 psf
BC Dead: 10.00 psf
TC Stress Inc: 25.00
BC Stress Inc: 25.00
Spacing: 2- 0- 0 o.c.

Account: INDIVIDUAL
Job: kim-williams
Designer: C. LITTLE
Checker:
Date: 03-13-09

RE: KIM-WILLIAMS -

Site Information:

Customer Info: KIM WILLIAMS Model: KIM WILLIAMS
Lot/Block: . Subdivision: .
Address: .
City: . State: FLORIDA

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2007□ Design Program: Robbins OnLine Plus 23.0.052□
Wind Code: ASCE 7-05 Wind Speed: 120 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 18 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T3304085	A1GE	3/11/09	18	T3304102	T13	3/11/09
2	T3304086	A2	3/11/09				
3	T3304087	A3	3/11/09				
4	T3304088	A4	3/11/09				
5	T3304089	CJ1	3/11/09				
6	T3304090	FL1GIR	3/11/09				
7	T3304091	M1	3/11/09				
8	T3304092	M2	3/11/09				
9	T3304093	M4	3/11/09				
10	T3304094	P1	3/11/09				
11	T3304095	P2	3/11/09				
12	T3304096	T6	3/11/09				
13	T3304097	T7	3/11/09				
14	T3304098	T8	3/11/09				
15	T3304099	T10	3/11/09				
16	T3304100	T11	3/11/09				
17	T3304101	T12	3/11/09				

The truss drawing(s) referenced above have been prepared by Robbins Engineering, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2011.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

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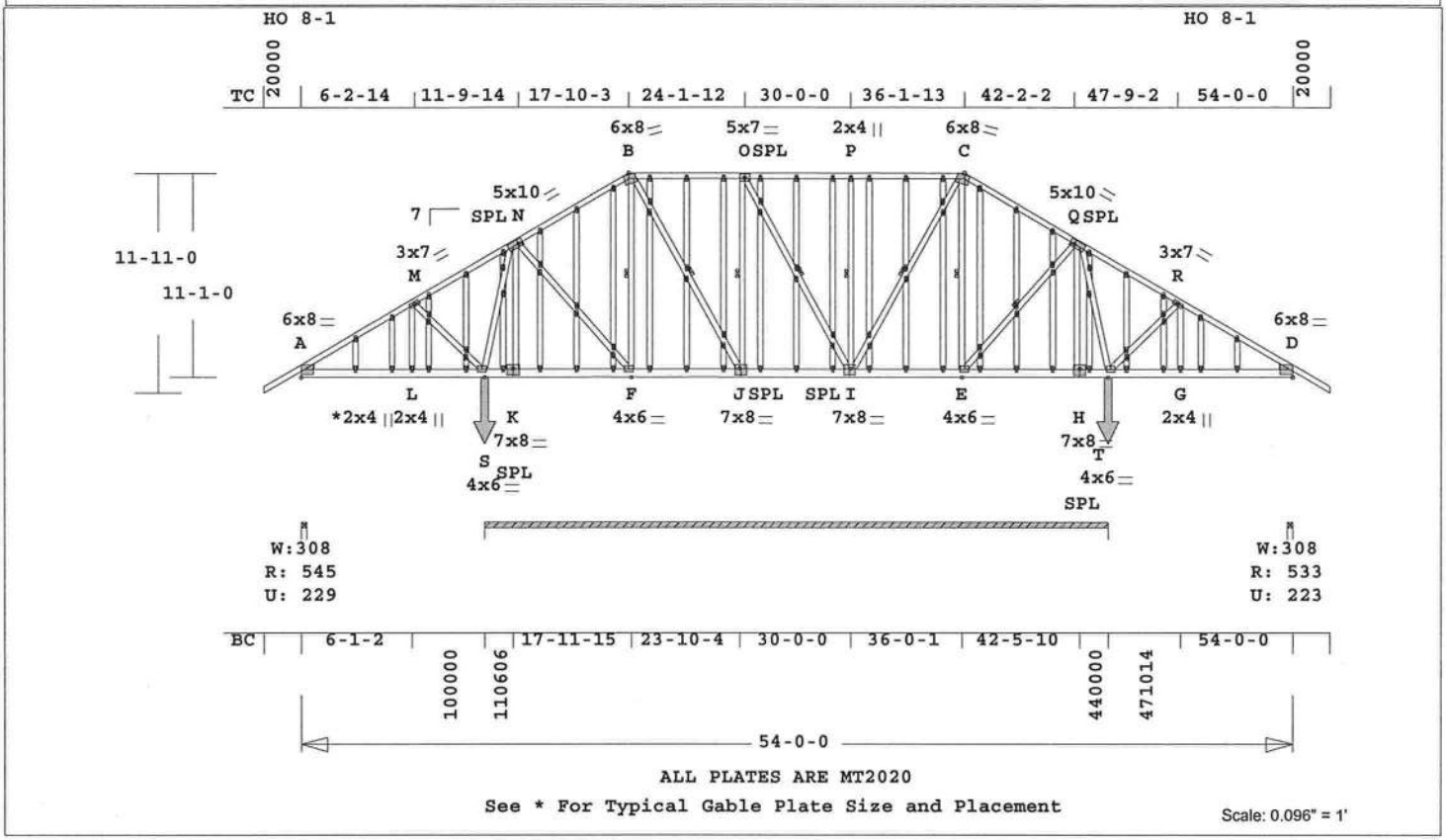
Phone: 813-972-1135 • Fax: 813-971-6117
www.robbinseng.com

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	A1GE	2	HIPP	540000	7	2- 0- 0	2- 0- 0	T3304085

KIM WILLIAMS



ALL PLATES ARE MT2020

See * For Typical Gable Plate Size and Placement

Scale: 0.096" = 1'

Robbins Engineering, Inc./Online Plus™

```
Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

     CSI -Size- ----Lumber----
TC  0.42  2x 4  SP-#2
BC  0.62  2x 6  SP-#2
WB  0.18  2x 4  SP-#2
PB   ---  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.     0- 0- 0 17-10- 3
 TC   24.0"  17-10- 3 36- 1-13
 TC  Cont.    36- 1-13 54- 0- 0
 BC  Cont.     0- 0- 0 54- 0- 0
One Continuous Lateral Brace
  F -B   B -J   J -O   O -I
  I -P   I -C   E -C   E -Q
Attach CLB with (2)-10d nails
  at each web.

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   Spacing  24.0"
Lumber Duration Factor  1.25
Plate  Duration Factor  1.25
TC Fb=1.00  Fc=1.00  Ft=1.00
BC Fb=1.00  Fc=1.00  Ft=1.00

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
A    545   230 U   284 R
T  10211  3198 U
D    534   223 U   284 R

Jt   Brg Size    Required
A       3.5"        1.5"
T     408.0"    120"-to- 528"
D       3.5"        1.5"

LC#  1  Standard Loading
Dur Fctrs - Lbr 1.25  Plt 1.25
plf - Dead  Live* From    To
TC V    20    40   0.0'  54.0'
BC V    20     0   0.0'  54.0'
BC V    80    80  10.0'  44.0'
BC V   320   320  10.0'  CL-LB
BC V   320   320  44.0'  CL-LB

Plus  9 Wind Load Case(s)
Plus  1 UBC LL Load Case(s)
Plus  1 DL Load Case(s)
```

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -M	0.33	374 C	0.00 0.33
M -N	0.42	129 C	0.01 0.41
N -B	0.41	270 C	0.00 0.41
B -O	0.39	269 T	0.00 0.39
O -P	0.39	202 T	0.00 0.39
P -C	0.39	202 T	0.00 0.39
C -Q	0.41	238 C	0.00 0.41
Q -R	0.42	116 C	0.01 0.41
R -D	0.33	354 C	0.00 0.33
Bottom Chords			
A -L	0.13	324 T	0.04 0.09
L -S	0.11	324 T	0.02 0.09
S -K	0.46	181 T	0.01 0.45
K -F	0.62	181 T	0.01 0.61
F -J	0.62	223 T	0.01 0.61
J -I	0.53	271 T	0.00 0.53
I -E	0.61	269 T	0.00 0.61
E -H	0.61	169 T	0.00 0.61
H -T	0.45	169 T	0.00 0.45
T -G	0.11	316 T	0.02 0.09
G -D	0.13	316 T	0.04 0.09
Webs			
L -M	0.05	251 C	
M -S	0.18	533 T	
S -N	0.18	243 C	
K -N	0.15	203 C	
N -F	0.15	120 T	
F -B	0.08	178 C	1 Br
B -J	0.08	147 C	1 Br
J -O	0.11	245 C	1 Br
O -I	0.08	144 C	1 Br
I -P	0.16	370 C	1 Br
I -C	0.10	173 C	1 Br
E -C	0.07	167 C	1 Br
E -Q	0.04	152 T	1 Br
H -Q	0.14	188 C	
Q -T	0.16	214 C	
T -R	0.18	535 T	
G -R	0.05	253 C	

```
TL Defl  -0.02" in G -D  L/999
LL Defl  -0.01" in A -L  L/999
Shear // Grain  in K -F   0.49

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type  Plt Size  X   Y   JSI
A  MT20  6.0x 8.0 2.7 0.3 0.53
M  MT20  3.0x 7.0 Ctr Ctr 0.25
N  MT20  5.0x10.0-2.0-0.5 0.52
B  MT20  6.0x 8.0 1.1-3.9 0.41
O  MT20  5.0x 7.0 Ctr 0.5 0.43
```

```
APPROX. TRUSS WEIGHT: 887.1 LBS
P  MT20  2.0x 4.0 Ctr Ctr 0.29
C  MT20  6.0x 8.0-1.1-3.9 0.41
Q  MT20  5.0x10.0 2.0-0.5 0.52
R  MT20  3.0x 7.0 Ctr Ctr 0.25
D  MT20  6.0x 8.0-2.7 0.3 0.53
L  MT20  2.0x 4.0 Ctr Ctr 0.29
S  MT20  4.0x 6.0 Ctr Ctr 0.17
K  MT20  7.0x 8.0 Ctr-0.8 0.43
F  MT20  4.0x 6.0 Ctr Ctr 0.16
J  MT20  7.0x 8.0 Ctr-0.8 0.43
I  MT20  7.0x 8.0 Ctr-0.8 0.46
E  MT20  4.0x 6.0 Ctr Ctr 0.16
H  MT20  7.0x 8.0 Ctr-0.8 0.43
T  MT20  4.0x 6.0 Ctr Ctr 0.17
G  MT20  2.0x 4.0 Ctr Ctr 0.29

 46 Gable studs to be attached
with 2.0x4.0 plates each end.
REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL  33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
OH Loading
  Soffit psf 2.0
Design checked for 10 psf non-
  concurrent LL on BC.
Refer to Gen Det 3 series for
  web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
  Components and Claddings*
  for Exterior zone location.
  Wind Speed:          120 mph
  Mean Roof Height:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:         5.0 psf
  BC Dead Load:         5.0 psf
User-defined wind-exposed BC
  regions  --From--   ---To---
           0- 0- 0    54- 0- 0
Max comp. force      424 Lbs
Max tens. force      535 Lbs
Quality Control Factor 1.25
```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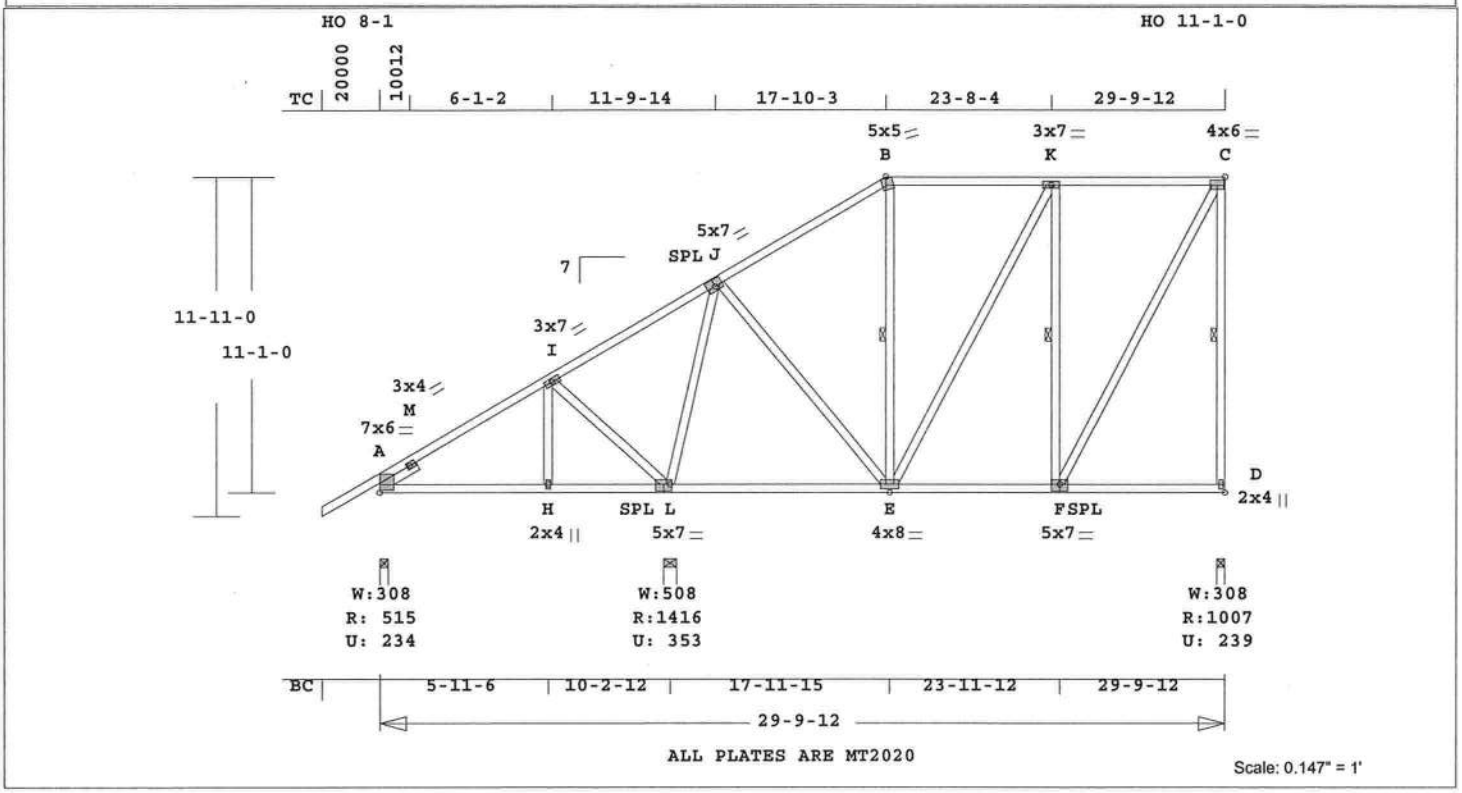
March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	A2	5	HHIP	290912	7	2- 0- 0	0	T3304086

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 277.9 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	Size	Lumber
TC	0.40	2x 4	SP-#2
BC	0.38	2x 4	SP-#2
WB	0.82	2x 4	SP-#2
SL	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17-10- 3
TC	24.0"	17-10- 3	29- 9-12
BC	Cont.	0- 0- 0	29- 9-12

One Continuous Lateral Brace
E -B F -K D -C
Attach CLB with (2)-10d nails
at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	515	235 U	214 R
L	1416	354 U	
D	1007	240 U	453 R

Jt	Brg Size	Required
A	3.5"	1.5"
L	5.5"	1.6"
D	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
Top Chords				
A -M	0.06	249 T	0.01	0.05
M -I	0.32	415 T	0.00	0.32
I -J	0.36	125 C	0.01	0.35
J -B	0.35	493 C	0.00	0.35
B -K	0.40	434 C	0.00	0.40
K -C	0.40	395 C	0.00	0.40
Bottom Chords				
A -H	0.21	315 C	0.00	0.21
H -L	0.37	315 C	0.04	0.33
L -E	0.36	185 T	0.03	0.33
E -F	0.38	395 T	0.06	0.32
F -D	0.29	354 T	0.00	0.29
Webs				
H -I	0.06	285 C		
I -L	0.19	585 T		
L -J	0.82	932 C		
J -E	0.06	360 T		
E -B	0.03	84 T		1 Br
E -K	0.32	140 C		
F -K	0.21	450 C		1 Br
F -C	0.73	831 T		
D -C	0.76	876 C	WindLd	1 Br
Sliders				
A -M	0.02	329 C		

TL Defl -0.14" in L -E L/999
LL Defl -0.07" in L -E L/999
Shear // Grain in K -C 0.27

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	7.0x 6.0	3.0	0.8	0.47
M	MT20	3.0x 4.0	Ctr	Ctr	0.16
I	MT20	3.0x 7.0	Ctr	Ctr	0.25
J	MT20	5.0x 7.0	-0.3	0.5	0.41
B	MT20	5.0x 5.0	0.8	-3.1	0.33
K	MT20	3.0x 7.0	Ctr	Ctr	0.25
C	MT20	4.0x 6.0	Ctr	Ctr	0.32
H	MT20	2.0x 4.0	Ctr	Ctr	0.29
L	MT20	5.0x 7.0	Ctr	-0.5	0.47
E	MT20	4.0x 8.0	Ctr	Ctr	0.20
F	MT20	5.0x 7.0	Ctr	-0.5	0.43
D	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 10- 2-12
Max comp. force 932 Lbs
Max tens. force 831 Lbs
Quality Control Factor 1.25

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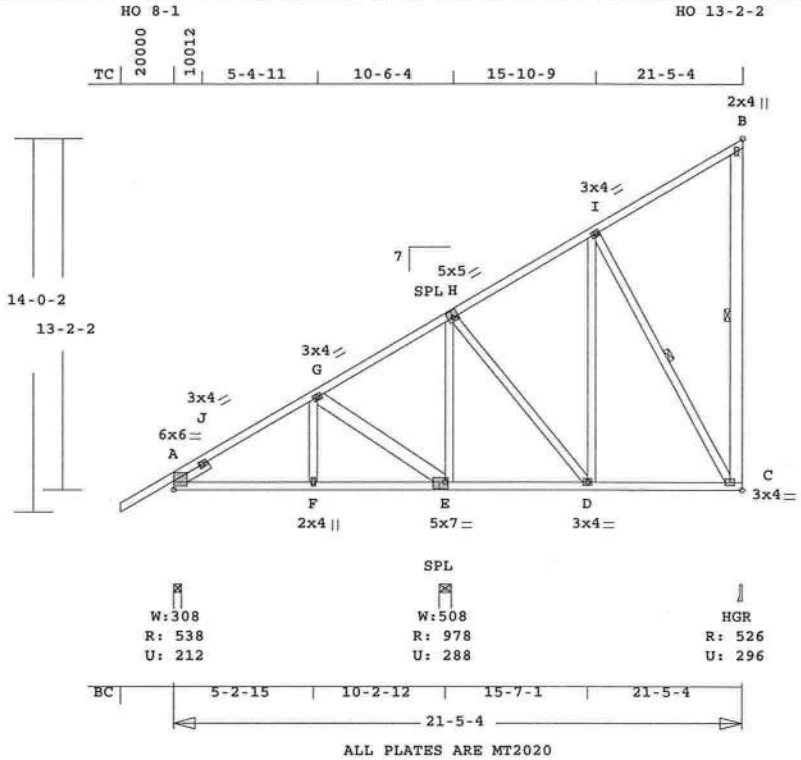
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	*A3*	3	MONO	210504	7	2- 0- 0	0	*T3304087*

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 217.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	Size	Lumber
TC	0.33	2x 4	SP-#2
BC	0.25	2x 4	SP-#2
WB	0.47	2x 6	SP-#2
--	0.38	2x 4	SP-#2
	F -G E -H H -D D -I		
	I -C		
SL	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	21- 5- 4
BC	Cont.	0- 0- 0	21- 5- 4

One Continuous Lateral Brace
I -C C -B
Attach CLB with (2)-10d nails
at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	538	213 U	270 R
E	979	288 U	
C	527	297 U	537 R

Jt	Brg Size	Required
A	3.5"	1.5"
E	5.5"	1.5"
C	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -J	0.04	295 T	0.00 0.04
J -G	0.25	465 T	0.06 0.19
G -H	0.24	128 C	0.01 0.23
H -I	0.33	290 C	0.00 0.33
I -B	0.33	278 T	0.00 0.33
Bottom Chords			
A -F	0.21	334 T	0.00 0.21
F -E	0.21	334 T	0.00 0.21
E -D	0.23	173 T	0.00 0.23
D -C	0.25	307 T	0.02 0.23
Webs			
F -G	0.05	314 C	
G -E	0.14	603 T	
E -H	0.38	602 C	
H -D	0.04	261 T	
D -I	0.17	122 C	
I -C	0.19	406 C	1 Br
C -B	0.47	144 C	WindLd 1 Br
Sliders			
A -J	0.02	265 C	

TL Defl -0.06" in D -C L/999
LL Defl -0.03" in D -C L/999
Shear // Grain in I -B 0.22

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	6.0x 6.0	3.0	0.9	0.62
J	MT20	3.0x 4.0	Ctr	Ctr	0.16
G	MT20	3.0x 4.0	Ctr	Ctr	0.38
H	MT20	5.0x 5.0	-0.3	0.5	0.53
I	MT20	3.0x 4.0	Ctr	Ctr	0.38
B	MT20	2.0x 4.0	Ctr	Ctr	0.23
F	MT20	2.0x 4.0	Ctr	Ctr	0.29
E	MT20	5.0x 7.0	0.5	-0.5	0.92
D	MT20	3.0x 4.0	Ctr	Ctr	0.33
C	MT20	3.0x 4.0	Ctr	Ctr	0.33

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 10- 2-12
Max comp. force 602 Lbs
Max tens. force 603 Lbs
Quality Control Factor 1.25

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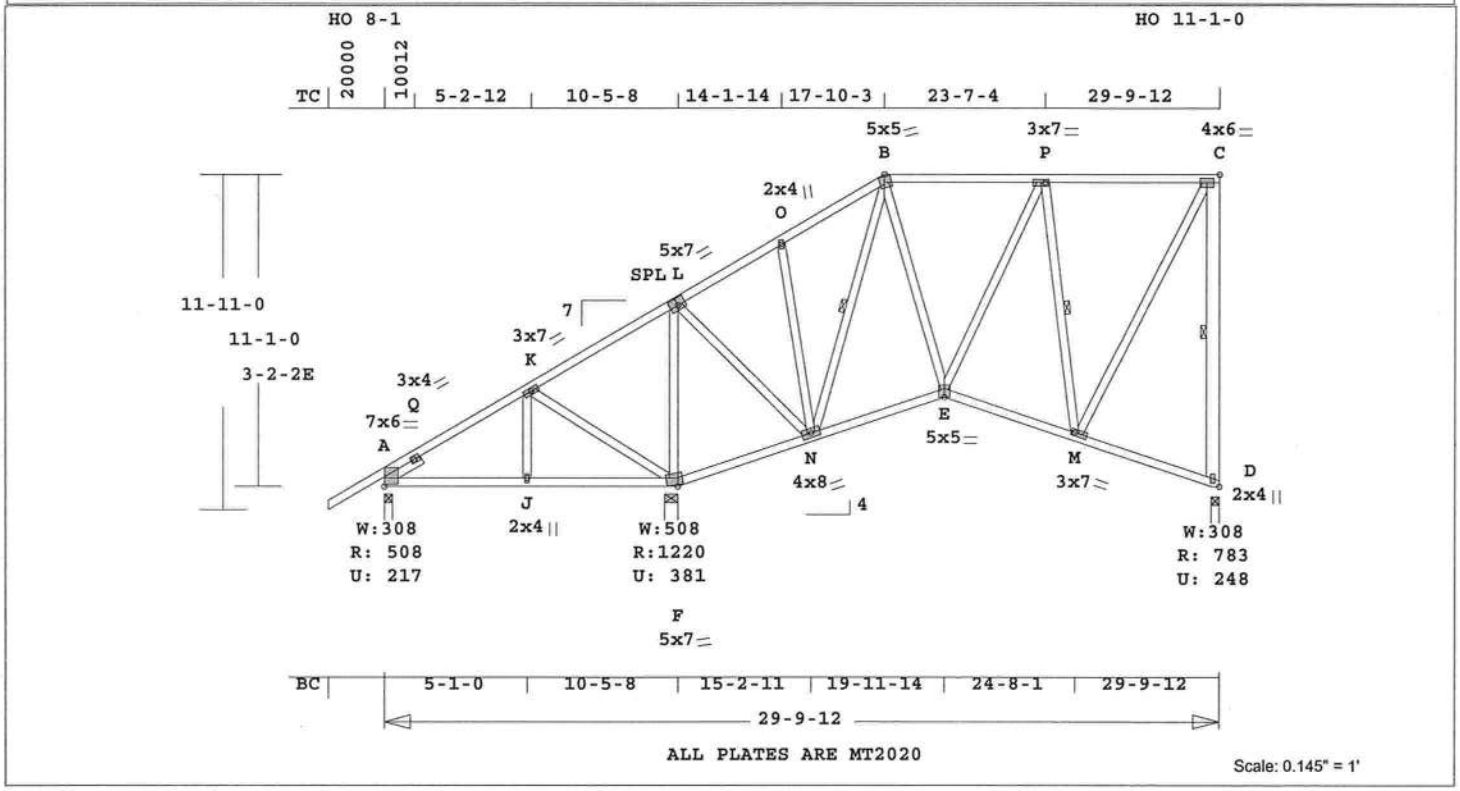
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
KIM-WILLIAMS	A4	7	SP	290912	7	2- 0- 0	0	T3304088

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 294.4 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	Size	Lumber
TC	0.41	2x 4	SP-#2
BC	0.30	2x 4	SP-#2
WB	0.58	2x 4	SP-#2
--	0.35	2x 6	SP-#2
	D -C		
SL	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17-10- 3
TC	24.0"	17-10- 3	29- 9-12
BC	Cont.	0- 0- 0	29- 9-12

One Continuous Lateral Brace
N -B P -M D -C
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	509	218 U	213 R
F	1221	382 U	
D	783	248 U	454 R

Jt	Brg Size	Required
A	3.5"	1.5"
F	5.5"	1.5"
D	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -Q	0.04	255 T	0.03 0.01
Q -K	0.24	401 T	0.05 0.19
K -L	0.23	151 C	0.00 0.23
L -O	0.21	465 C	0.00 0.21
O -B	0.12	512 C	0.04 0.08
B -P	0.41	472 C	0.00 0.41
P -C	0.41	352 C	0.00 0.41
Bottom Chords			
A -J	0.13	316 C	0.03 0.10
J -F	0.30	316 C	0.04 0.26
F -N	0.17	140 T	0.00 0.17
N -E	0.21	442 T	0.04 0.17
E -M	0.19	402 T	0.03 0.16
M -D	0.16	375 T	0.00 0.16
Webs			
J -K	0.04	231 C	
K -F	0.21	535 T	
F -L	0.58	919 C	
L -N	0.10	562 T	
O -N	0.17	226 C	
N -B	0.07	211 C	1 Br
B -E	0.05	257 T	
E -P	0.03	201 T	
P -M	0.21	601 C	1 Br
M -C	0.32	660 T	
D -C	0.35	740 C	WindLd 1 Br
Sliders			
A -Q	0.02	236 C	

TL Defl -0.05" in F -N L/999
LL Defl -0.01" in A -J L/999

Hz Disp	LL	DL	TL
Jt D	0.02"	0.01"	0.03"

Shear // Grain in P -C 0.28

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	7.0x 6.0	3.0	0.8	0.47
Q	MT20	3.0x 4.0	Ctr	Ctr	0.16
K	MT20	3.0x 7.0	Ctr	Ctr	0.22
L	MT20	5.0x 7.0	-0.3	0.5	0.38
O	MT20	2.0x 4.0	Ctr	Ctr	0.23
B	MT20	5.0x 5.0	0.4	-3.3	0.60
P	MT20	3.0x 7.0	Ctr	Ctr	0.26
C	MT20	4.0x 6.0	Ctr	Ctr	0.26
J	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	5.0x 7.0	-1.5	3.0	0.49
N	MT20	4.0x 8.0	Ctr	Ctr	0.23
E	MT20	5.0x 5.0	Ctr	-1.2	0.55
M	MT20	3.0x 7.0	Ctr	Ctr	0.40
D	MT20	2.0x 4.0	Ctr	Ctr	0.23

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007

OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	10- 5- 8

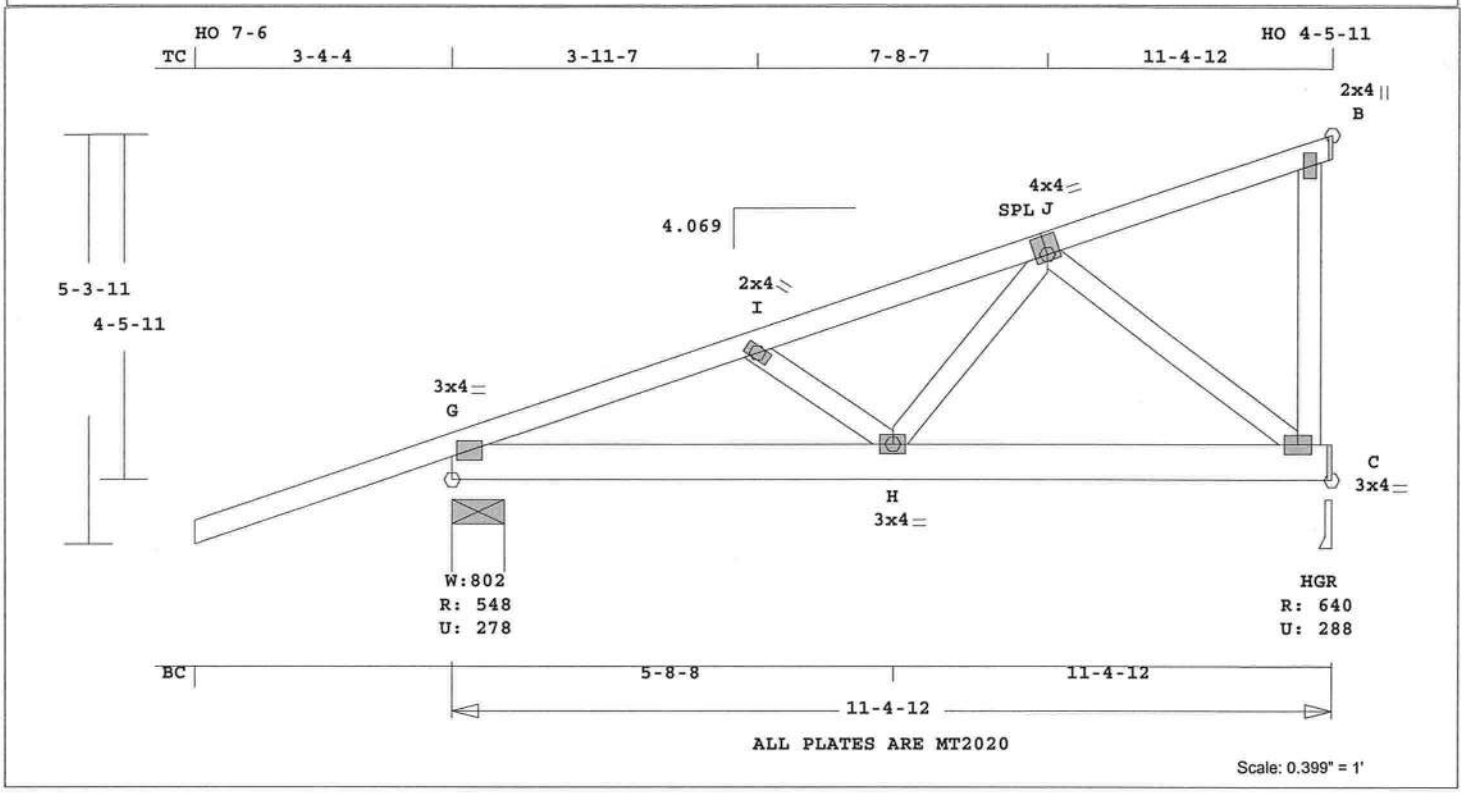
Max comp. force 919 Lbs
Max tens. force 660 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	*CJ1*	4	MONO.DD	110412	4.069	3- 4- 4	0	*T3304089*

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 86.7 LBS

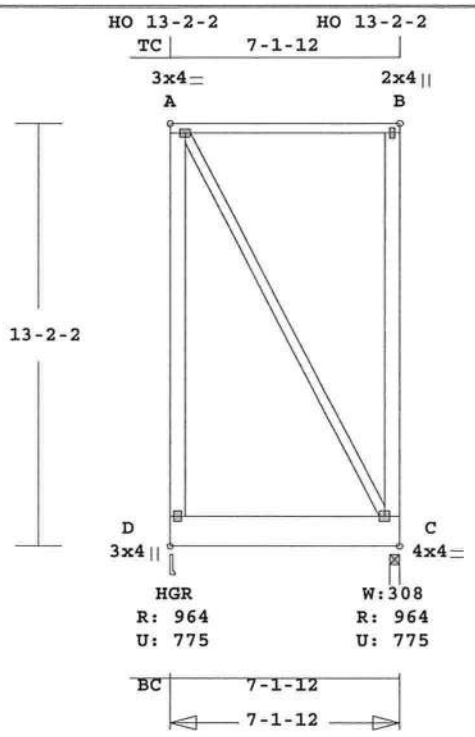
```
Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

     CSI -Size- ----Lumber----
TC  0.39  2x 4  SP-#2
BC  0.18  2x 6  SP-#2
WB  0.16  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.    0- 0- 0 11- 4-12
 BC  Cont.    0- 0- 0 11- 4-12

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   Spacing  24.0"
Lumber Duration Factor  1.25
Plate  Duration Factor  1.25
TC Fb=1.00  Fc=1.00  Ft=1.00
BC Fb=1.00  Fc=1.00  Ft=1.00

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
G    549   278 U    88 R
C    640   288 U   170 R

Jt   Brg Size   Required
G       8.1"       1.5"
C       3.5"       1.5"

LC#  1  Girder Loading
Dur Fctrs - Lbr 1.25  Plt 1.25
plf - Dead  Live* From    To
TC V    20    40   0.0'  11.4'
BC V    20     0   0.0'  11.4'
TC V   -20   -40   0.0'
        23    46         11.4'
BC V   -20     0   0.0'
        23     0         11.4'

Plus  8 Wind Load Case(s)
Plus  1 UBC LL Load Case(s)
Plus  1 DL Load Case(s)

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
G -I  0.19   951 T  0.13  0.06
I -J  0.39   875 T  0.12  0.27
J -B  0.27    69 C  0.00  0.27
--------Bottom Chords---------
G -H  0.17   967 C  0.08  0.09
H -C  0.18   572 C  0.03  0.15
------------Webs-------------
I -H  0.02   158 T
H -J  0.09   526 C
J -C  0.16   902 T
C -B  0.08   246 T WindLd

TL Defl  -0.04" in H -C  L/999
LL Defl  -0.02" in H -C  L/999
Shear // Grain  in J -B   0.28

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type  Plt Size  X   Y   JSI
G  MT20  3.0x 4.0 Ctr Ctr 0.83
I  MT20  2.0x 4.0 Ctr Ctr 0.12
J  MT20  4.0x 4.0-0.3 1.0 0.67
B  MT20  2.0x 4.0 Ctr Ctr 0.14
H  MT20  3.0x 4.0 Ctr Ctr 0.19
C  MT20  3.0x 4.0 Ctr Ctr 0.42

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL  33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
Girder    King Jack
  Loading TC and BC
  Setback 10- 0- 0
OH Loading
  Soffit psf 2.0

Design checked for 10 psf non-
  concurrent LL on BC.

Use properly rated hangers for
  loads framing into girder
  truss.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
  Components and Claddings*
  for Exterior zone location.
  Wind Speed:          120 mph
  Mean Roof Height:  15-0
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:        5.0 psf
  BC Dead Load:        5.0 psf
User-defined wind-exposed BC
  regions  --From--   ---To---
           0- 0- 0   11- 4-12
Max comp. force      967 Lbs
Max tens. force      951 Lbs
Quality Control Factor 1.25
```


Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	FL1GIR	1*2P	FLAT	70112	130202	0	0	T3304090

KIM WILLIAMS



ALL PLATES ARE MT2020

Scale: 0.166" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 147.1 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09
****
* 2-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.39	2x 4	SP-#2
BC	0.18	2x12	SP-#2
WB	0.30	2x 6	SP-#2
--	0.19	2x 4	SP-#2
	A -C		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 1-12
BC	Cont.	0- 0- 0	7- 1-12

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
D	965	776 U	494 R
C	965	776 U	494 R

Jt	Brg Size	Required
D	3.5"	1.5"
C	3.5"	1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	7.1'
BC V	115	95	0.0'	7.1'

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.39	403 T	0.02 0.37
--------Bottom Chords---------			
D -C	0.18	413 T	0.00 0.18
----------Webs----------			
D -A	0.30	588 T	WindLd
A -C	0.19	519 T	
C -B	0.23	331 T	WindLd

TL Defl -0.02" in D -C L/999
LL Defl -0.01" in D -C L/999
Shear // Grain in A -B 0.15

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.17
B	MT20	2.0x 4.0	Ctr	Ctr	0.16
D	MT20	3.0x 4.0	Ctr	Ctr	0.13
C	MT20	4.0x 4.0	Ctr	Ctr	0.13

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
Girder Common
Loading BC
Span 11- 6- 0
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

		----Spacing (In)----		
	Rows	Nails	Screws	Bolts
TC	1	12	24	0
BC	3	12	24	0
WB	1	8	8	

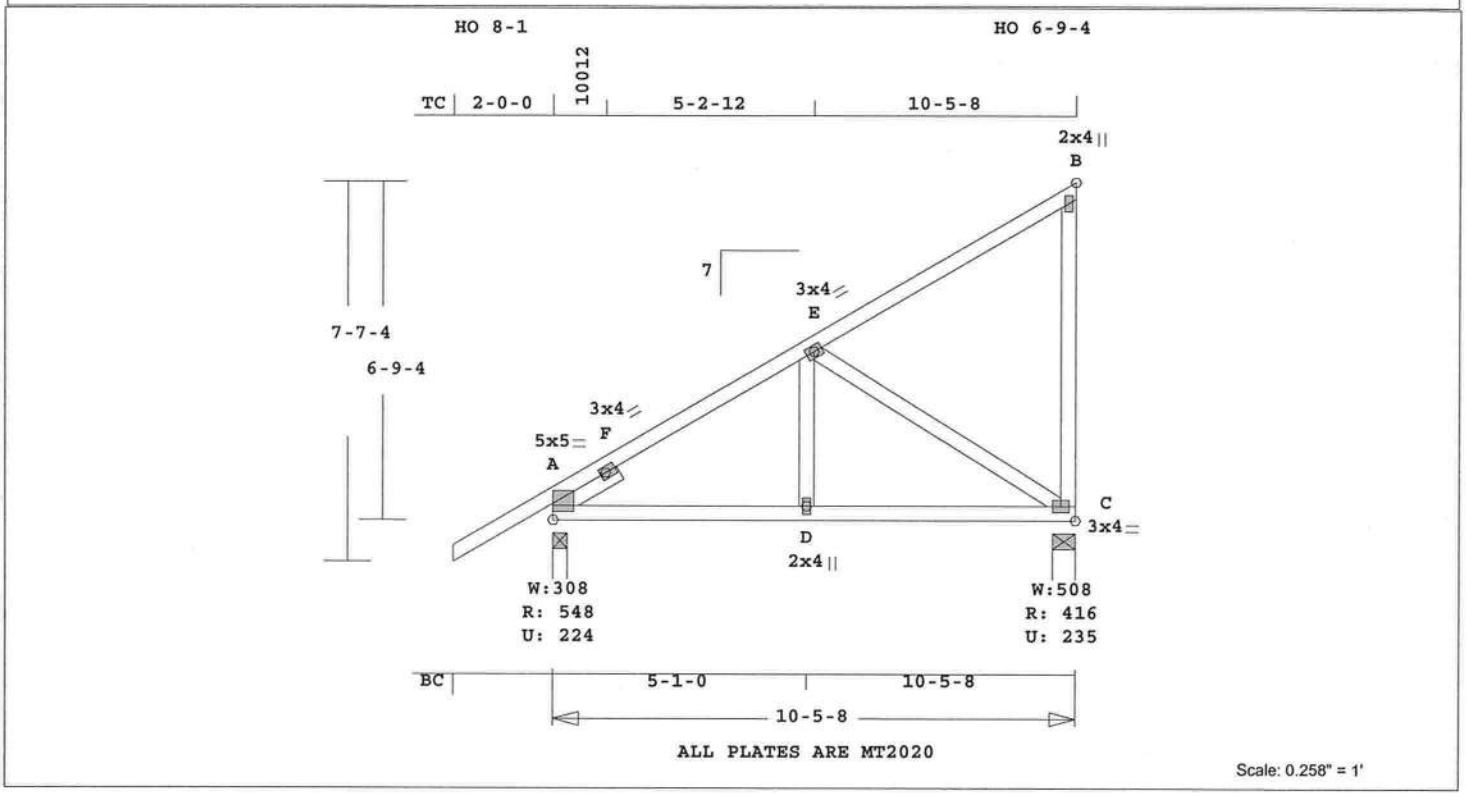
Design checked for 10 psf non-concurrent LL on BC.
Provide drainage to prevent water ponding.
Use properly rated hangers for loads framing into girder truss.
This truss must be installed as shown. It cannot be installed upside-down.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 519 Lbs
Max tens. force 588 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
KIM-WILLIAMS	M1	12	MONO	100508	7	2- 0- 0	0	T3304091

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 78.6 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.32	2x 4	SP-#2
BC	0.25	2x 4	SP-#2
WB	0.25	2x 4	SP-#2
SL	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	10- 5- 8
BC	Cont.	0- 0- 0	10- 5- 8

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	548	225 U	132 R
C	416	236 U	263 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	5.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -F	0.06	409 T	0.05 0.01
F -E	0.32	619 T	0.08 0.24
E -B	0.28	124 T	0.00 0.28
Bottom Chords			
A -D	0.25	415 C	0.00 0.25
D -C	0.25	415 C	0.00 0.25
Webs			
D -E	0.06	371 C	
E -C	0.25	721 T	
C -B	0.25	136 C	WindLd
Sliders			
A -F	0.03	261 C	

TL Defl -0.05" in D -C L/999
LL Defl -0.02" in D -C L/999
Shear // Grain in E -B 0.21

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	5.0x 5.0	2.5	0.7	0.77
F	MT20	3.0x 4.0	Ctr	Ctr	0.10
E	MT20	3.0x 4.0	Ctr	Ctr	0.30
B	MT20	2.0x 4.0	Ctr	Ctr	0.13
D	MT20	2.0x 4.0	Ctr	Ctr	0.15
C	MT20	3.0x 4.0	Ctr	Ctr	0.33

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as

Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	10- 5- 8

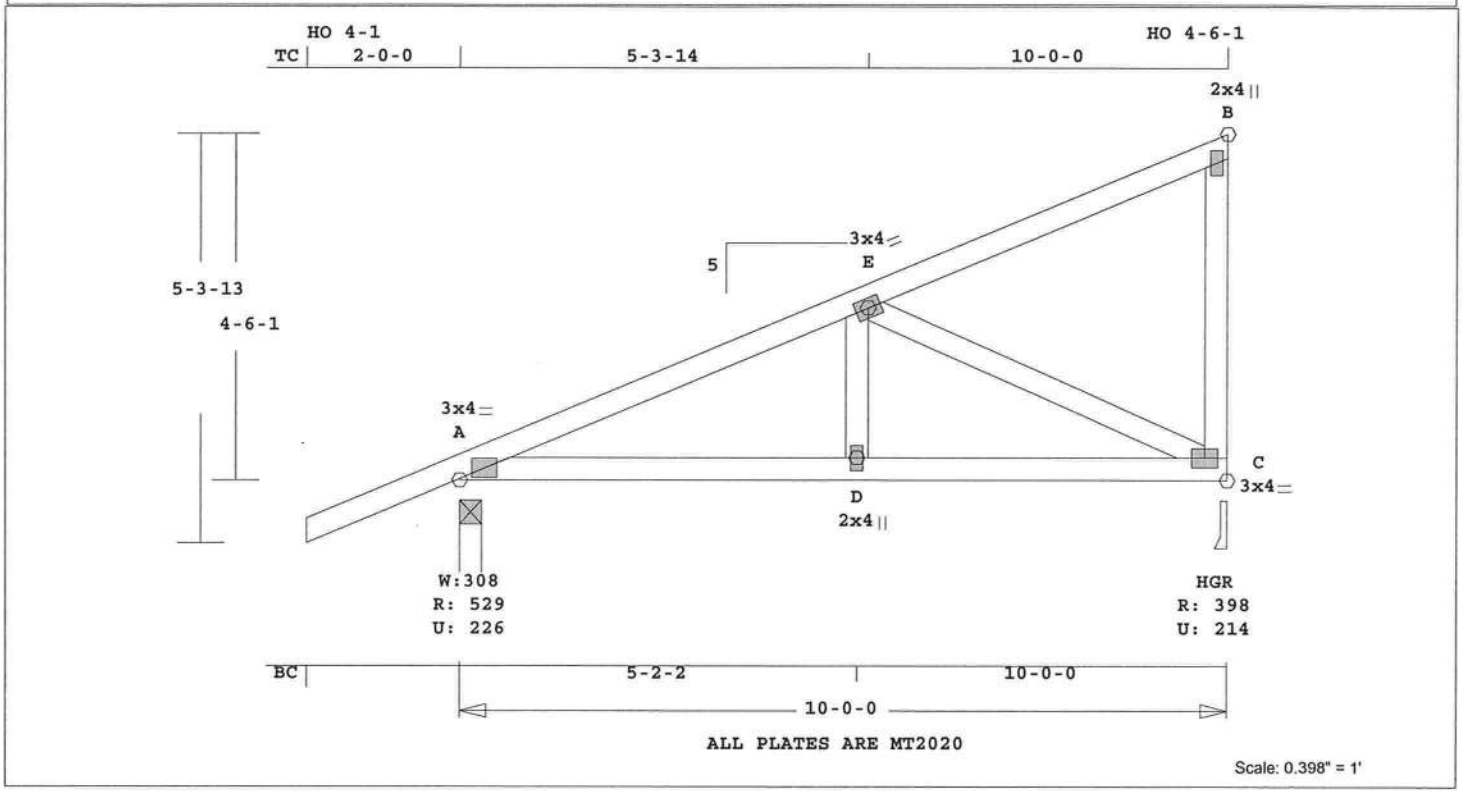
Max comp. force 436 Lbs
Max tens. force 721 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
KIM-WILLIAMS	M2	44	MONO	100000	5	2- 0- 0	0	T3304092

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 63.8 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.42	2x 4	SP-#2
BC	0.24	2x 4	SP-#2
WB	0.22	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	10- 0- 0
BC	Cont.	0- 0- 0	10- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	530	227 U	101 R
C	398	215 U	174 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -E	0.42	871 T	0.11 0.31
E -B	0.31	79 C	0.00 0.31
--------Bottom Chords---------			
A -D	0.24	840 C	0.00 0.24
D -C	0.24	840 C	0.00 0.24
------------Webs------------			
D -E	0.03	384 C	
E -C	0.22	1068 T	
C -B	0.09	193 T	WindLd

TL Defl -0.03" in A -D L/999
LL Defl -0.01" in D -C L/999
Shear // Grain in E -B 0.24

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.54
E	MT20	3.0x 4.0	Ctr	Ctr	0.45
B	MT20	2.0x 4.0	Ctr	Ctr	0.13
D	MT20	2.0x 4.0	Ctr	Ctr	0.15
C	MT20	3.0x 4.0	Ctr	Ctr	0.48

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B

Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	10- 0- 0

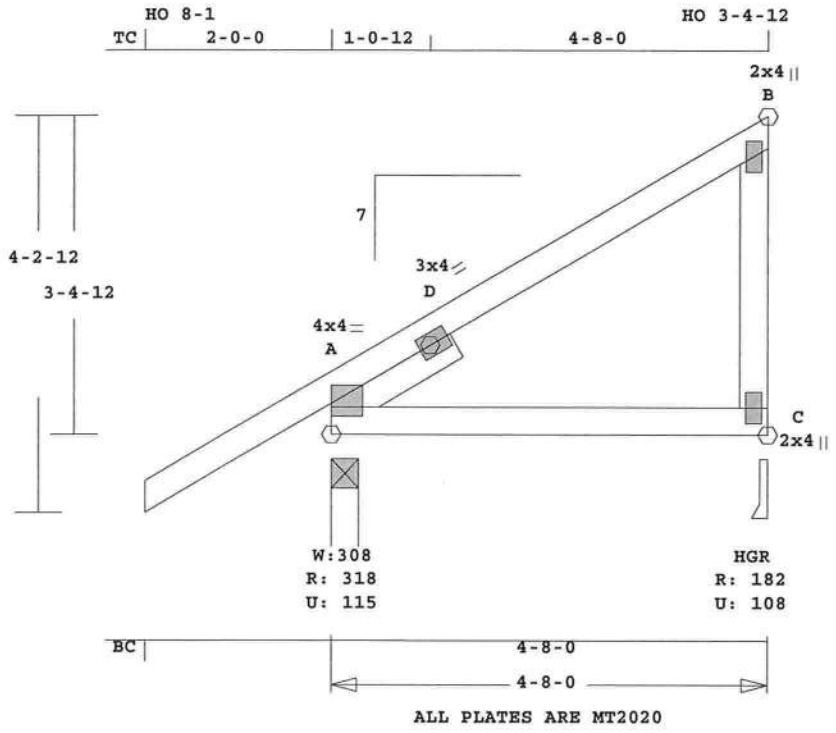
Max comp. force 840 Lbs
Max tens. force 1068 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	M4	15	JCA2	40800	7	2- 0- 0	0	T3304093

KIM WILLIAMS



ALL PLATES ARE MT2020

Scale: 0.485" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 31.8 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.27	2x 4	SP-#2
BC	0.37	2x 4	SP-#2
WB	0.05	2x 4	SP-#2
SL	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	4- 8- 0
BC	Cont.	0- 0- 0	4- 8- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	319	115 U	59 R
C	182	108 U	119 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -D	0.23	386 T	0.02 0.21
D -B	0.27	60 C	0.00 0.27
--------Bottom Chords---------			
A -C	0.37	103 T	0.01 0.36
------------Webs------------			
C -B	0.05	124 T	WindLd
----------Sliders----------			
A -D	0.03	484 C	

TL Defl -0.03" in A -C L/999
LL Defl -0.01" in A -C L/999
Shear // Grain in A -C 0.28

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 4.0	2.0	0.6	0.98
D	MT20	3.0x 4.0	Ctr	Ctr	0.19
B	MT20	2.0x 4.0	Ctr	Ctr	0.13
C	MT20	2.0x 4.0	Ctr	Ctr	0.12

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00

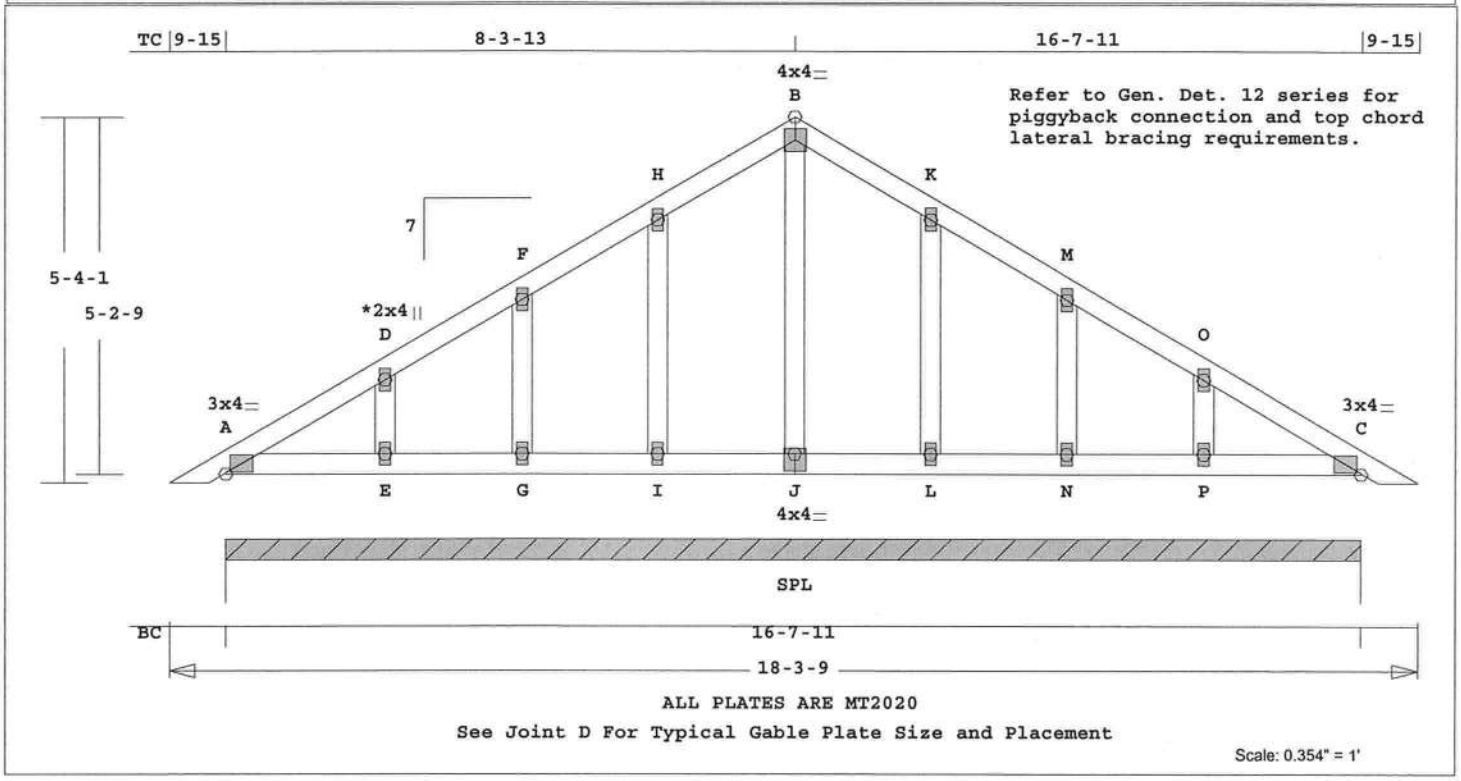
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 4- 8- 0
Max comp. force 484 Lbs
Max tens. force 386 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	P1	2	TR	180309	7	9-15	9-15	T3304094

KIM WILLIAMS



ALL PLATES ARE MT2020

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.354" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 106.6 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.04	2x 4	SP-#2
BC	0.03	2x 4	SP-#2
GW	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	18- 3- 9
BC	Cont.	0- 0- 0	18- 3- 9

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1333	282 U	116 R

Jt	Brg Size	Required
A	199.7"	0"-to- 200"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
----------Top Chords----------				
A -D	0.04	97 C	0.00	0.04
D -F	0.04	48 C	0.00	0.04
F -H	0.03	55 C	0.00	0.03
H -B	0.03	118 T	0.00	0.03
B -K	0.03	118 T	0.00	0.03
K -M	0.03	55 C	0.00	0.03
M -O	0.04	48 C	0.00	0.04
O -C	0.04	96 C	0.00	0.04
--------Bottom Chords---------				
A -E	0.03	3 T	0.00	0.03
E -G	0.02	0 T	0.00	0.02
G -I	0.02	0 T	0.00	0.02
I -J	0.02	0 T	0.00	0.02
J -L	0.02	0 T	0.00	0.02
L -N	0.02	0 T	0.00	0.02
N -P	0.02	0 T	0.00	0.02
P -C	0.03	3 T	0.00	0.03
----------Gable Webs----------				
E -D	0.01	150 C		
G -F	0.01	132 C		
I -H	0.03	137 C		
J -B	0.02	70 C		
L -K	0.03	137 C		
N -M	0.01	132 C		
P -O	0.01	151 C		

TL Defl 0.00" in P -C L/999
LL Defl 0.00" in P -C L/999
Shear // Grain in A -D 0.07

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.50
D	MT20	2.0x 4.0	Ctr	Ctr	0.00
F	MT20	2.0x 4.0	Ctr	Ctr	0.00
H	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	4.0x 4.0	Ctr	Ctr	0.42
K	MT20	2.0x 4.0	Ctr	Ctr	0.00
M	MT20	2.0x 4.0	Ctr	Ctr	0.00
O	MT20	2.0x 4.0	Ctr	Ctr	0.00
C	MT20	3.0x 4.0	Ctr	Ctr	0.50
E	MT20	2.0x 4.0	Ctr	Ctr	0.00
G	MT20	2.0x 4.0	Ctr	Ctr	0.00
I	MT20	2.0x 4.0	Ctr	Ctr	0.00
J	MT20	4.0x 4.0	Ctr	-1.0	0.39
L	MT20	2.0x 4.0	Ctr	Ctr	0.00
N	MT20	2.0x 4.0	Ctr	Ctr	0.00
P	MT20	2.0x 4.0	Ctr	Ctr	0.00

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

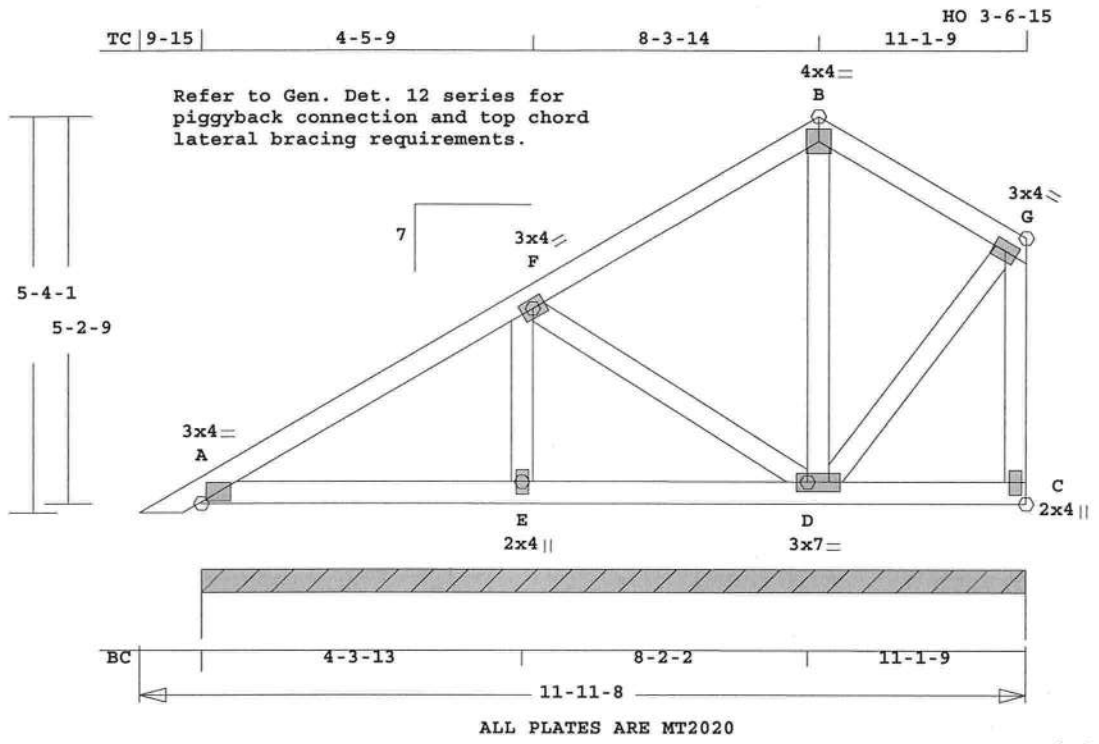
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 151 Lbs
Max tens. force 130 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	P2	12	SP	111108	7	9-15	0	T3304095

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 82.1 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.18	2x 4	SP-#2
BC	0.10	2x 4	SP-#2
WB	0.06	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	11-11- 8
BC	Cont.	0- 0- 0	11-11- 8

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	891	187 U	176 R

Jt	Brg Size	Required
A	133.6"	0"-to- 134"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -F	0.18	155 C	0.00 0.18
F -B	0.18	98 T	0.00 0.18
B -G	0.06	107 T	0.01 0.05
Bottom Chords			
A -E	0.10	2 T	0.00 0.10
E -D	0.10	0 T	0.00 0.10
D -C	0.06	0 T	0.00 0.06
Webs			
E -F	0.01	137 C	
F -D	0.05	178 C	
D -B	0.05	161 C	
D -G	0.01	67 C	
C -G	0.06	131 C	WindLd

TL Defl -0.01" in A -E L/999
LL Defl -0.01" in A -E L/999
Shear // Grain in A -F 0.15

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.50
F	MT20	3.0x 4.0	Ctr	Ctr	0.21
B	MT20	4.0x 4.0	Ctr	Ctr	0.42
G	MT20	3.0x 4.0	Ctr	Ctr	0.21
E	MT20	2.0x 4.0	Ctr	Ctr	0.13
D	MT20	3.0x 7.0	Ctr	Ctr	0.19
C	MT20	2.0x 4.0	Ctr	Ctr	0.12

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

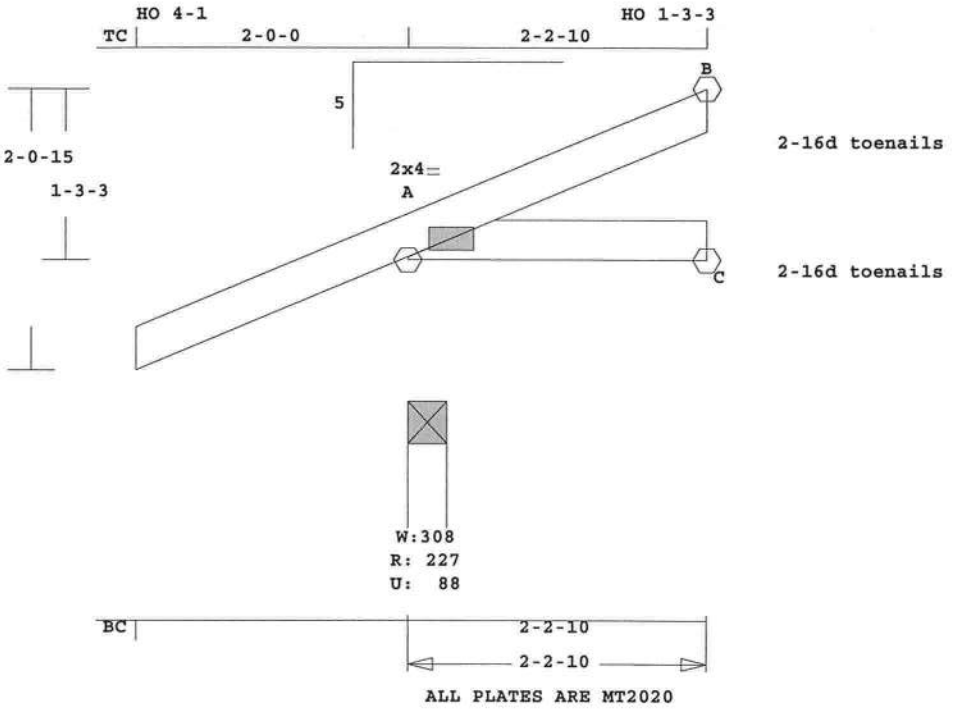
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 178 Lbs
Max tens. force 150 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	T6	4	JCA2	20210	5	2- 0- 0	0	T3304096

KIM WILLIAMS



Scale: 0.701" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 13.1 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.07	2x 4	SP-#2
BC	0.07	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	2- 2-10
BC	Cont.	0- 0- 0	2- 2-10

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	227	88 U	124 R
C	40	19 U	
B	54	32 U	22 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.07	60 C	0.00 0.07
--------Bottom Chords---------			
A -C	0.07	0 T	0.00 0.07

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.12

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.68

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

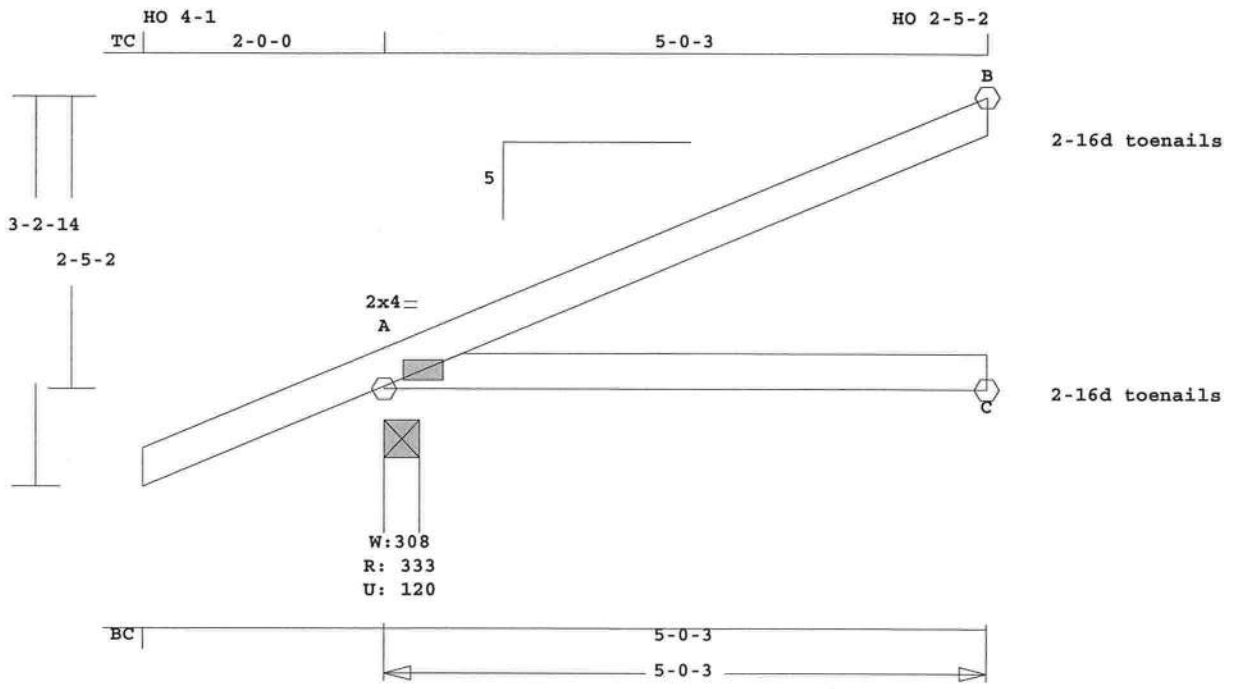
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 2- 2-10
Max comp. force 60 Lbs
Max tens. force 14 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
KIM-WILLIAMS	T7	4	JCA2	50003	5	2- 0- 0	0	T3304097

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 24.1 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.49	2x 4	SP-#2
BC	0.48	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	5- 0- 3
BC	Cont.	0- 0- 0	5- 0- 3

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	333	121 U	237 R
C	94	44 U	
B	133	75 U	51 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.49	139 C	0.00 0.49
--------Bottom Chords---------			
A -C	0.48	0 T	0.00 0.48

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.30

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.68

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

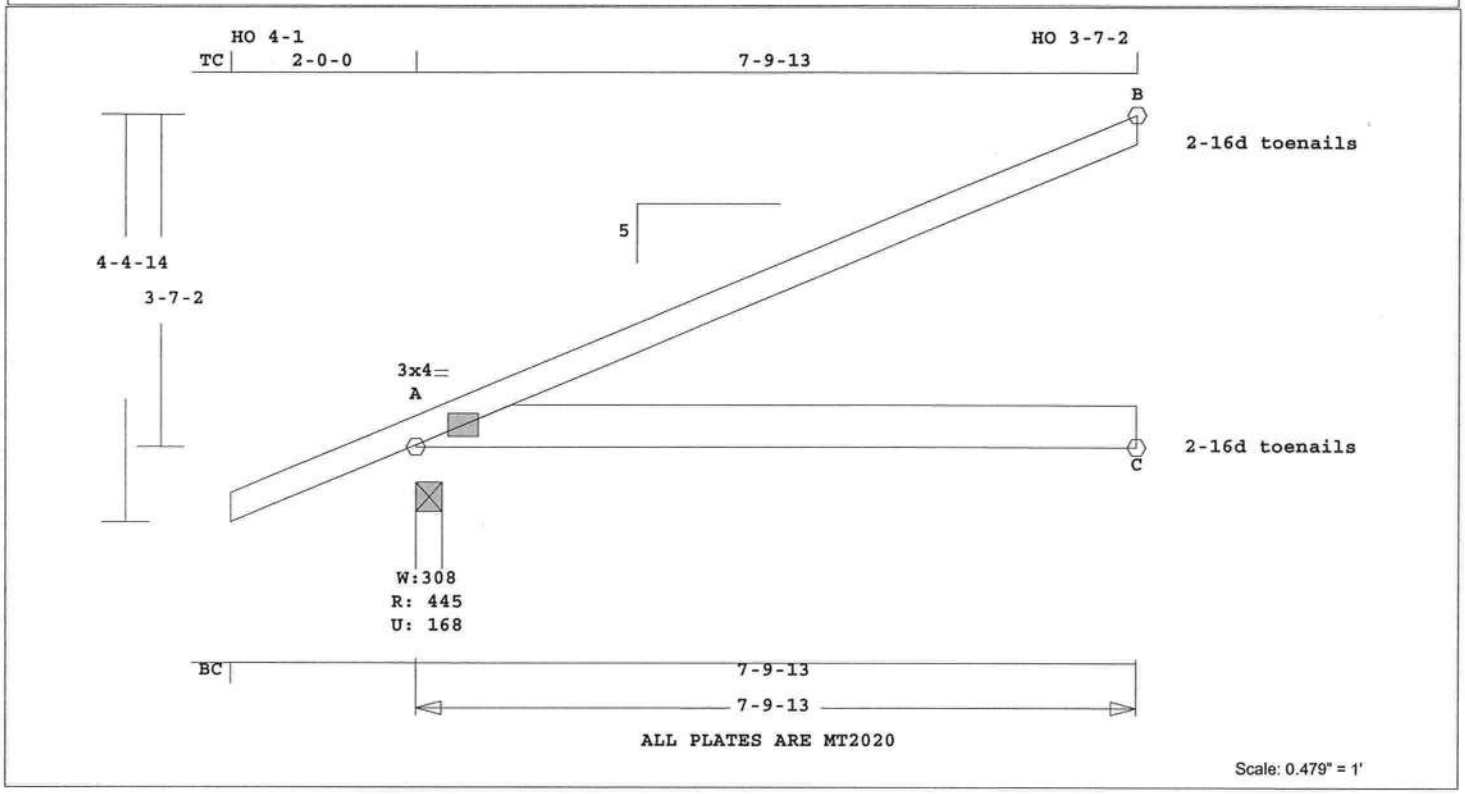
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 5- 0- 3
Max comp. force 139 Lbs
Max tens. force 32 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	T8	4	MONO	70913	5	2- 0- 0	0	T3304098

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 42.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.68	2x 4	SP-#2
BC	0.63	2x 6	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 9-13
BC	Cont.	0- 0- 0	7- 9-13

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	445	168 U	302 R
C	163	83 U	
B	182	101 U	79 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.68	156 C	0.00 0.68
--------Bottom Chords---------			
A -C	0.63	0 T	0.00 0.63

TL Defl -0.12" in A -C L/757
LL Defl -0.05" in A -C L/999
Shear // Grain in A -B 0.33

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
A MT20	3.0x 4.0	Ctr	Ctr	0.78

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	7- 9-13

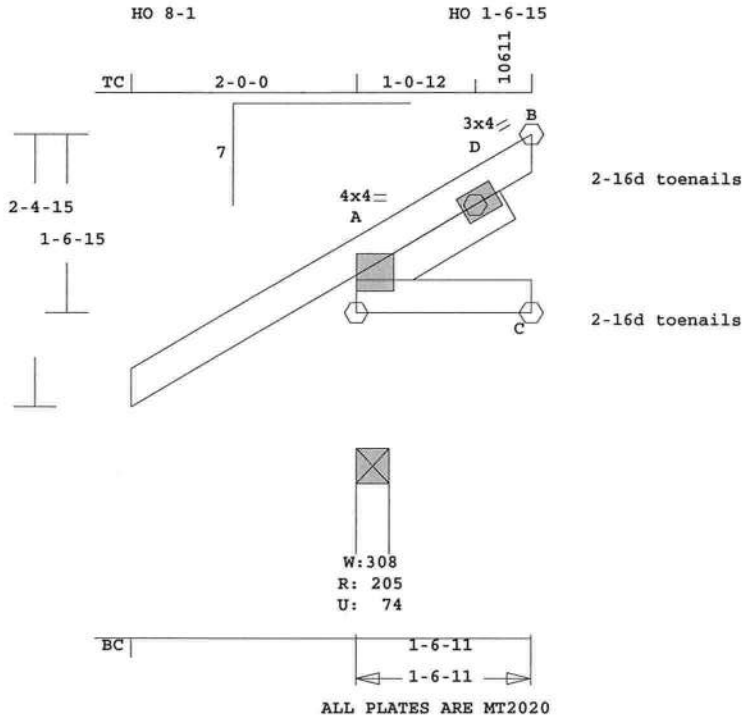
Max comp. force 156 Lbs
Max tens. force 51 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	T10	4	JCA2	10611	7	2- 0- 0	0	T3304099

KIM WILLIAMS



Scale: 0.584" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 13.9 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.02	2x 4	SP-#2
BC	0.02	2x 4	SP-#2
SL	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	1- 6-11
BC	Cont.	0- 0- 0	1- 6-11

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	206	75 U	55 R
C	26	14 U	
B	34	35 U	23 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -D	0.02	40 T	0.00 0.02
D -B	0.02	35 C	0.00 0.02
--------Bottom Chords---------			
A -C	0.02	0 T	0.00 0.02
----------Sliders-----------			
A -D	0.00	56 C	

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -C 0.06

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 4.0	2.0	0.6	0.98
D	MT20	3.0x 4.0	Ctr	Ctr	0.08

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0

Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	1- 6-11

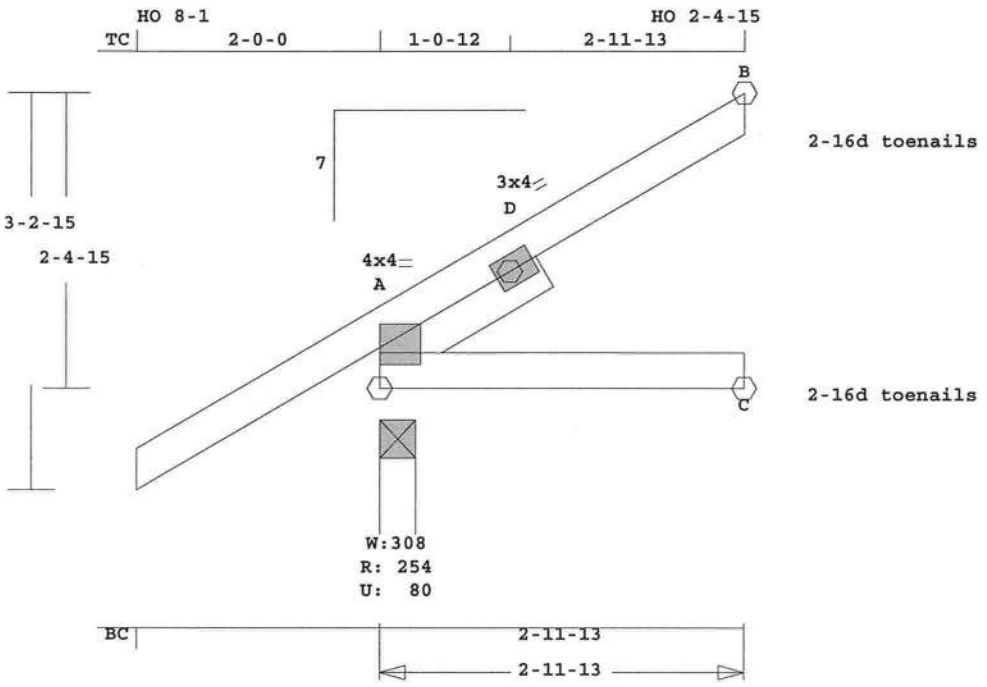
Max comp. force 56 Lbs
Max tens. force 40 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	T11	4	JCA2	21113	7	2- 0- 0	0	T3304100

KIM WILLIAMS



Scale: 0.633" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 19.7 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.12	2x 4	SP-#2
BC	0.14	2x 4	SP-#2
SL	0.01	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	2-11-13
BC	Cont.	0- 0- 0	2-11-13

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	255	81 U	105 R
C	54	31 U	
B	76	57 U	43 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -D	0.11	170 T	0.00 0.11
D -B	0.12	65 C	0.00 0.12
--------Bottom Chords---------			
A -C	0.14	0 T	0.00 0.14
----------Sliders-----------			
A -D	0.01	163 C	

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -C 0.16

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 4.0	2.0	0.6	0.98
D	MT20	3.0x 4.0	Ctr	Ctr	0.08

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0

Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	2-11-13

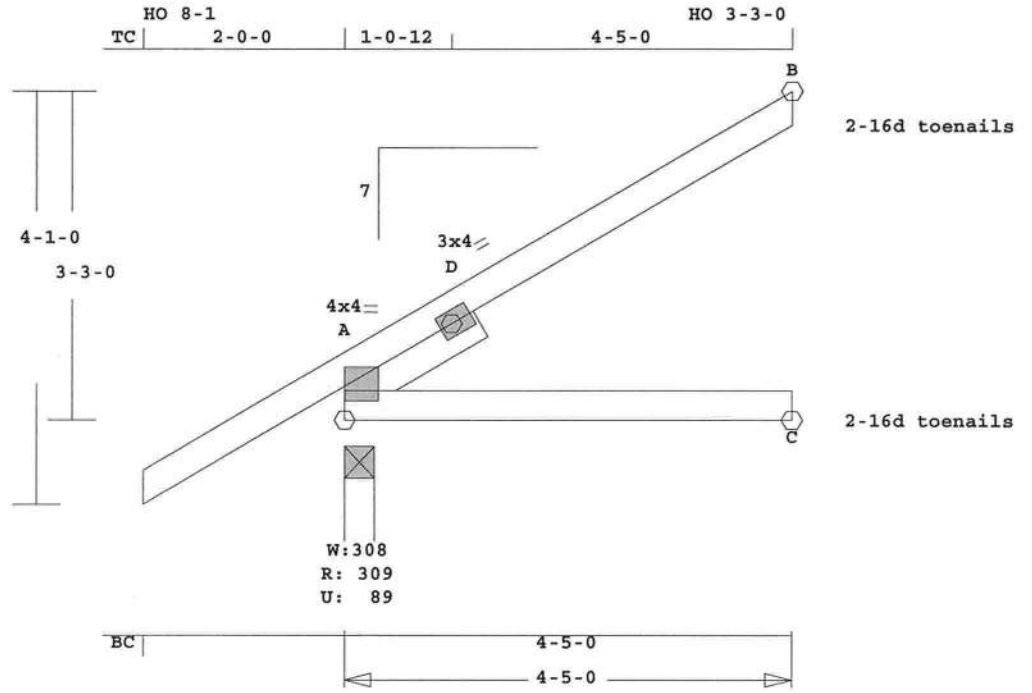
Max comp. force 163 Lbs
Max tens. force 170 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	T12	4	JCA2	40500	7	2- 0- 0	0	T3304101

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 25.5 LBS

```
Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

     CSI -Size- ----Lumber----
TC  0.26  2x 4  SP-#2
BC  0.34  2x 4  SP-#2
SL  0.03  2x 4  SP-#2

Brace truss as follows:
      O.C.      From       To
 TC  Cont.    0- 0- 0  4- 5- 0
 BC  Cont.    0- 0- 0  4- 5- 0

psf-Ld  Dead  Live
TC       10.0  20.0
BC       10.0   0.0
TC+BC    20.0  20.0
Total    40.0   Spacing  24.0"
Lumber Duration Factor  1.25
Plate  Duration Factor  1.25
TC Fb=1.15  Fc=1.10  Ft=1.10
BC Fb=1.10  Fc=1.10  Ft=1.10

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
A    310    89 U   156 R
C     82    45 U
B    115    82 U    64 R

Jt   Brg Size   Required
A       3.5"       1.5"
C       3.5"       1.5"
B       1.5"       1.5"

Plus  8 Wind Load Case(s)
Plus  1 UBC LL Load Case(s)
Plus  1 DL Load Case(s)

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
A -D  0.23   390 T  0.01  0.22
D -B  0.26    95 C  0.00  0.26
--------Bottom Chords---------
A -C  0.34     0 T  0.00  0.34
----------Sliders-----------
A -D  0.03   399 C
```

```
TL Defl  -0.03" in A -C  L/999
LL Defl  -0.01" in A -C  L/999
Shear // Grain  in A -C   0.26

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type  Plt Size  X   Y   JSI
A  MT20  4.0x 4.0 2.0 0.6 0.98
D  MT20  3.0x 4.0 Ctr Ctr 0.15

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL  33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
  Mayo Truss Co. Inc.
Analysis Conforms To:
  FBC2007
OH Loading
  Soffit psf 2.0
This truss has been designed
  for 20.0  psf LL on the B.C.
  in areas where a rectangle
   3- 6- 0 tall by
   2- 0- 0 wide
  will fit between the B.C.
  and any other member.
Design checked for 10 psf non-
  concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
  Components and Claddings*
  for Exterior zone location.
  Wind Speed:          120 mph
  Mean Roof Height:  15-0
```

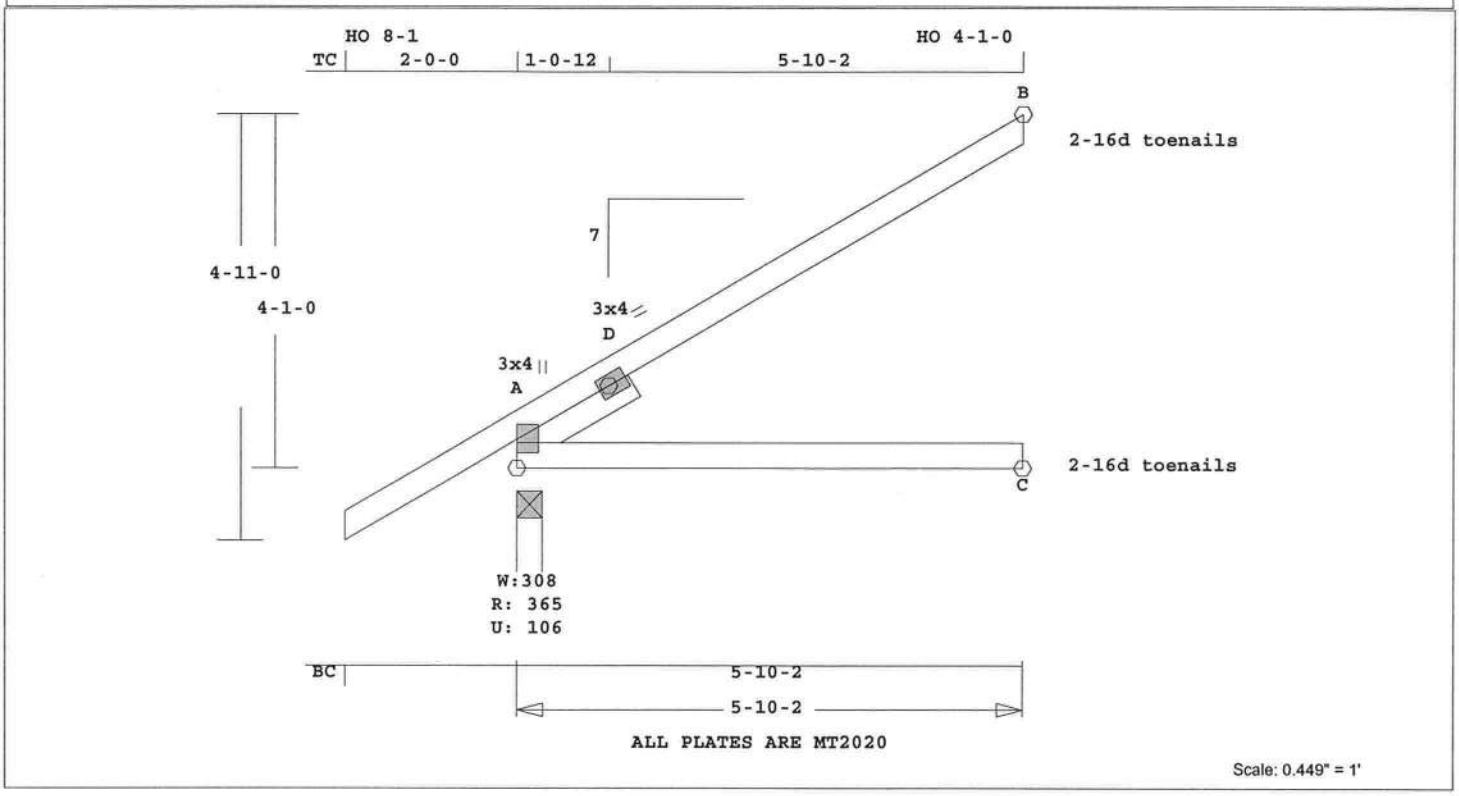
```
  Exposure  Category:    B
  Occupancy Factor  : 1.00
  Building Type: Enclosed
  TC Dead Load:         5.0 psf
  BC Dead Load:         5.0 psf
User-defined wind-exposed BC
  regions  --From--   ---To---
             0- 0- 0    4- 5- 0
Max comp. force       399 Lbs
Max tens. force       390 Lbs
Quality Control Factor 1.25
```


Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	T13	4	JCA2	51002	7	2- 0- 0	0	T3304102

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 31.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.46	2x 4	SP-#2
BC	0.59	2x 4	SP-#2
SL	0.05	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	5-10- 2
BC	Cont.	0- 0- 0	5-10- 2

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	366	107 U	205 R
C	110	58 U	
B	155	107 U	85 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -D	0.33	679 T	0.01 0.32
D -B	0.46	124 C	0.00 0.46
--------Bottom Chords---------			
A -C	0.59	0 T	0.00 0.59
----------Sliders-----------			
A -D	0.05	711 C	

TL Defl -0.09" in A -C L/727
LL Defl -0.04" in A -C L/999
Shear // Grain in A -C 0.35

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	1.5	0.4	0.84
D	MT20	3.0x 4.0	Ctr	Ctr	0.28

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0

Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

	--From--	---To---
	0- 0- 0	5-10- 2

Max comp. force 711 Lbs
Max tens. force 679 Lbs
Quality Control Factor 1.25

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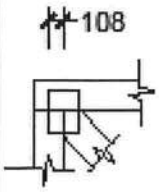
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

ROBBINS ENG. GENERAL NOTES & SYMBOLS

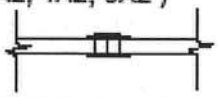
PLATE LOCATION



Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE

(3X2, 4X2, 6X2)



(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

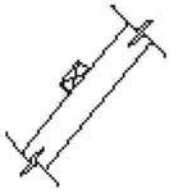
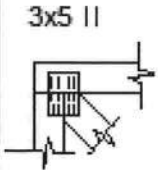


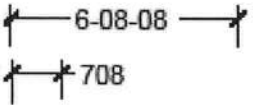
PLATE SIZE AND ORIENTATION

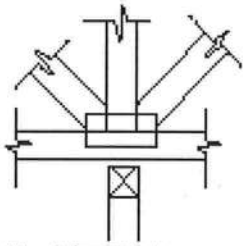


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).





W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before erecting this truss. If necessary, shim bearings to assure solid contact with truss.

ROBBINS connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on truss design drawings refer to common wire nails, except as noted.
The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA)," National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records.

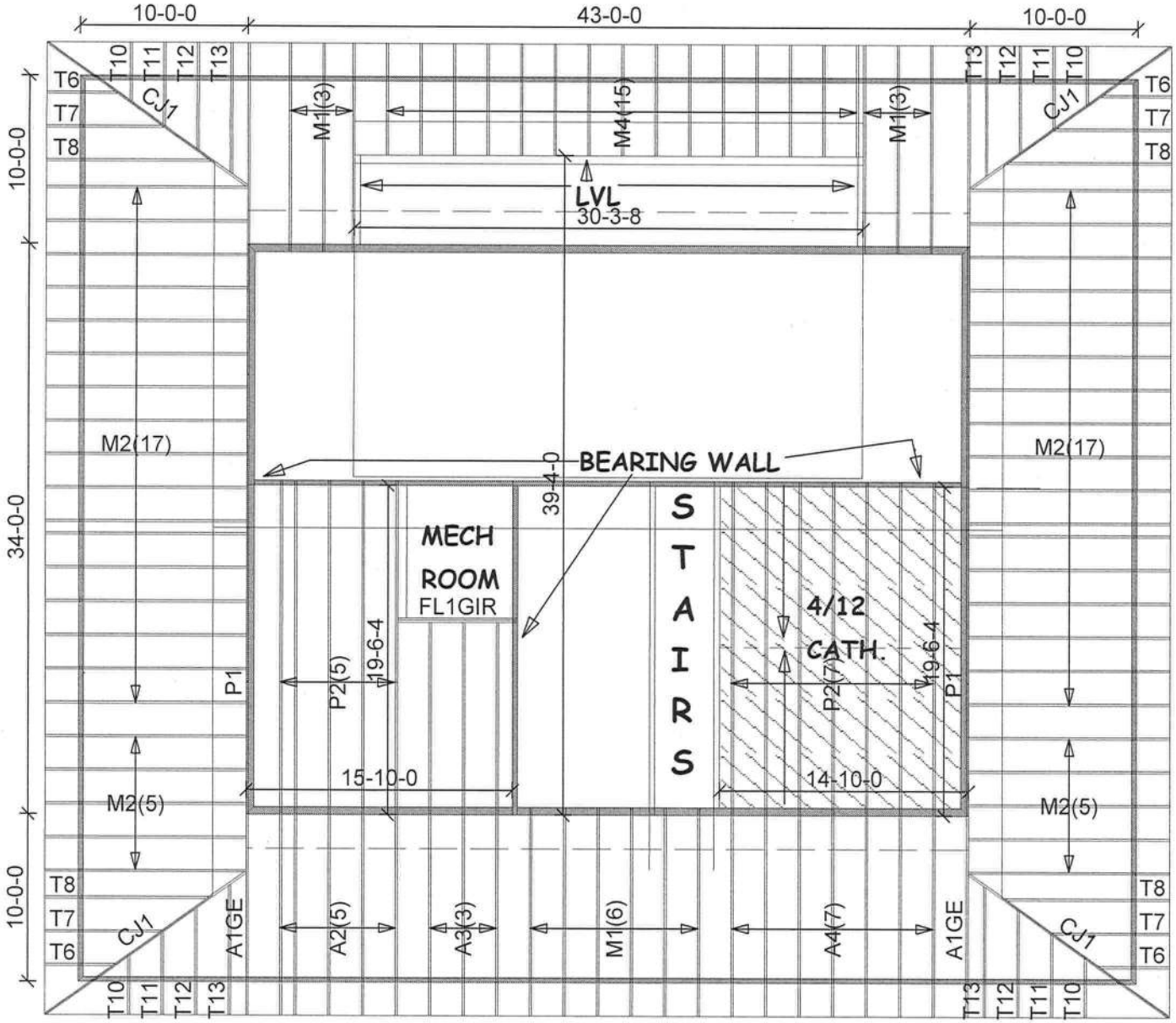
FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS FABRICATOR.

Robbins Engineering, Inc.

6904 Parke East Blvd.
Tampa, Fl 33610-4115
Tel: 813-972-1135 Fax: 813-971-6117

www.robbinseng.com

VERIFY LAYOUT, DIMENSIONS AND TRUSS PROFILES



7/12 W/ 8-01" O.A. HEEL ROOF
5/12 PORCH
GABLE END NOT DROPPED
4/12 CATHEDRAL
FLAT CEILING
2' OVERHANG
BONUS ROOM

HANGER SCHEDULE
A3--THD26
CJ1--HJC26
FL1GIR--THD26-2
M2--JUS26
M4--JUS26

Mayo Truss Co. Inc.
845 East US 27
MAYO, FL 32066
(386)294-3988
(877)-558-6262

KIM WILLIAMS

120 MPH ASCE WIND LOAD

Roof Loading
TC Live: 20.00 psf
TC Dead: 10.00 psf
BC Live: 0.00 psf
BC Dead: 10.00 psf
TC Stress Inc: 25.00
BC Stress Inc: 25.00
Spacing: 2- 0- 0 o.c.

Account: INDIVIDUAL
Job: kim-williams
Designer: C. LITTLE
Checker:
Date: 03-13-09

RE: KIM-WILLIAMS -

Site Information:

Customer Info: KIM WILLIAMS Model: KIM WILLIAMS
Lot/Block: . Subdivision: .
Address: .
City: . State: FLORIDA

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2007□ Design Program: Robbins OnLine Plus 23.0.052□
Wind Code: ASCE 7-05 Wind Speed: 120 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 18 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T3304085	A1GE	3/11/09	18	T3304102	T13	3/11/09
2	T3304086	A2	3/11/09				
3	T3304087	A3	3/11/09				
4	T3304088	A4	3/11/09				
5	T3304089	CJ1	3/11/09				
6	T3304090	FL1GIR	3/11/09				
7	T3304091	M1	3/11/09				
8	T3304092	M2	3/11/09				
9	T3304093	M4	3/11/09				
10	T3304094	P1	3/11/09				
11	T3304095	P2	3/11/09				
12	T3304096	T6	3/11/09				
13	T3304097	T7	3/11/09				
14	T3304098	T8	3/11/09				
15	T3304099	T10	3/11/09				
16	T3304100	T11	3/11/09				
17	T3304101	T12	3/11/09				

The truss drawing(s) referenced above have been prepared by Robbins Engineering, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2011.

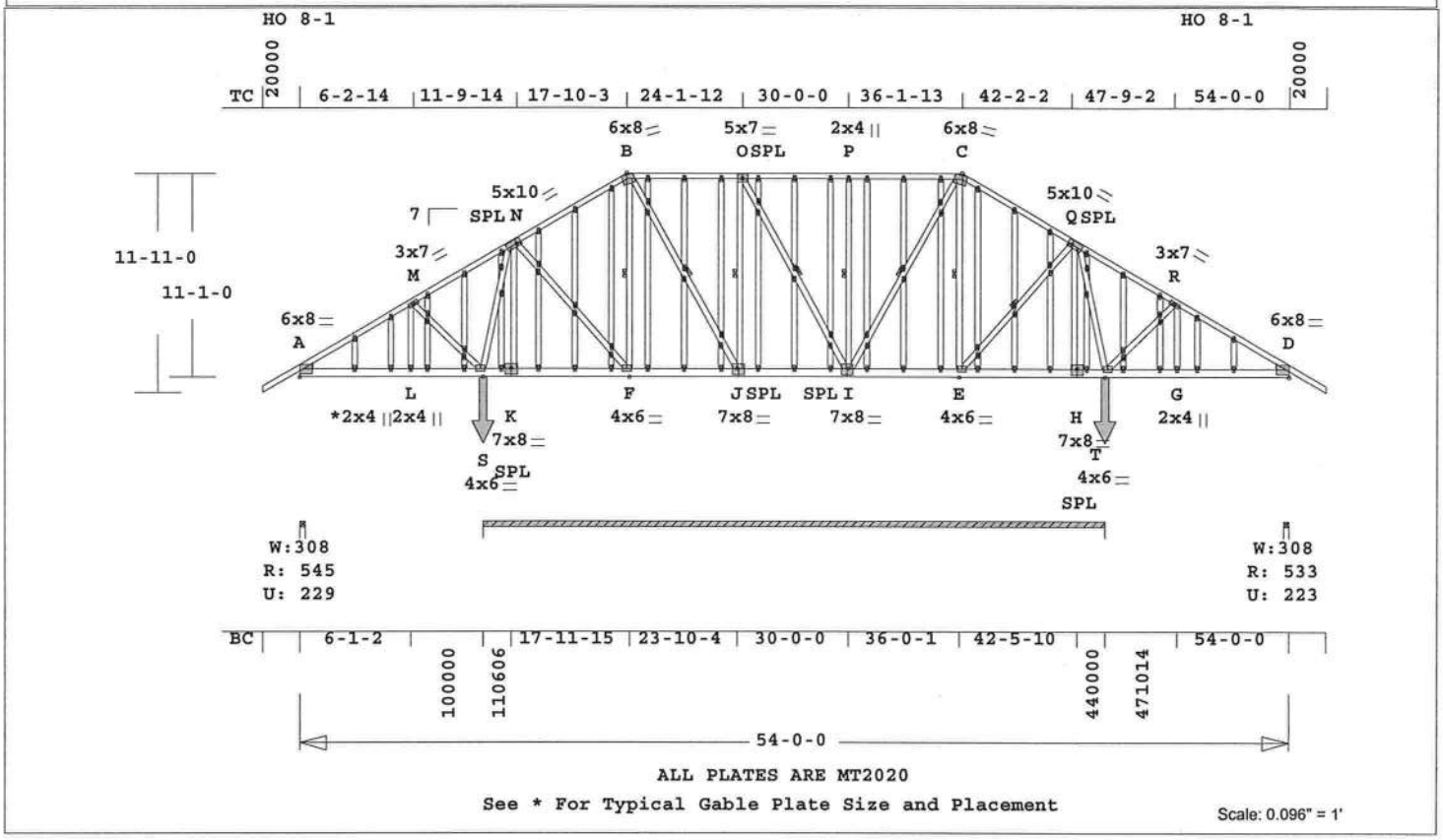
NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

6904 Parke East Boulevard
Tampa, FL 33610-4115
Phone: 813-972-1135 • Fax: 813-971-6117
www.robbinseng.com

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	A1GE	2	HIPP	540000	7	2- 0- 0	2- 0- 0	T3304085

KIM WILLIAMS



Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.42	2x 4	SP-#2
BC	0.62	2x 6	SP-#2
WB	0.18	2x 4	SP-#2
PB	---	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17-10- 3
TC	24.0"	17-10- 3	36- 1-13
TC	Cont.	36- 1-13	54- 0- 0
BC	Cont.	0- 0- 0	54- 0- 0

One Continuous Lateral Brace
F -B B -J J -O O -I
I -P I -C E -C E -Q
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	545	230 U	284 R
T	10211	3198 U	
D	534	223 U	284 R

Jt	Brg Size	Required
A	3.5"	1.5"
T	408.0"	120"-to- 528"
D	3.5"	1.5"

LC# 1 Standard Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	54.0'
BC V	20	0	0.0'	54.0'
BC V	80	80	10.0'	44.0'
BC V	320	320	10.0'	CL-LB
BC V	320	320	44.0'	CL-LB

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Robbins Engineering, Inc./Online Plus™

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -M	0.33	374 C	0.00 0.33
M -N	0.42	129 C	0.01 0.41
N -B	0.41	270 C	0.00 0.41
B -O	0.39	269 T	0.00 0.39
O -P	0.39	202 T	0.00 0.39
P -C	0.39	202 T	0.00 0.39
C -Q	0.41	238 C	0.00 0.41
Q -R	0.42	116 C	0.01 0.41
R -D	0.33	354 C	0.00 0.33
Bottom Chords			
A -L	0.13	324 T	0.04 0.09
L -S	0.11	324 T	0.02 0.09
S -K	0.46	181 T	0.01 0.45
K -F	0.62	181 T	0.01 0.61
F -J	0.62	223 T	0.01 0.61
J -I	0.53	271 T	0.00 0.53
I -E	0.61	269 T	0.00 0.61
E -H	0.61	169 T	0.00 0.61
H -T	0.45	169 T	0.00 0.45
T -G	0.11	316 T	0.02 0.09
G -D	0.13	316 T	0.04 0.09
Webs			
L -M	0.05	251 C	
M -S	0.18	533 T	
S -N	0.18	243 C	
K -N	0.15	203 C	
N -F	0.15	120 T	
F -B	0.08	178 C	1 Br
B -J	0.08	147 C	1 Br
J -O	0.11	245 C	1 Br
O -I	0.08	144 C	1 Br
I -P	0.16	370 C	1 Br
I -C	0.10	173 C	1 Br
E -C	0.07	167 C	1 Br
E -Q	0.04	152 T	1 Br
H -Q	0.14	188 C	
Q -T	0.16	214 C	
T -R	0.18	535 T	
G -R	0.05	253 C	

TL Defl -0.02" in G -D L/999
LL Defl -0.01" in A -L L/999
Shear // Grain in K -F 0.49

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	6.0x 8.0	2.7	0.3	0.53
M	MT20	3.0x 7.0 Ctr	Ctr		0.25
N	MT20	5.0x10.0-2.0-0.5			0.52
B	MT20	6.0x 8.0	1.1-3.9		0.41
O	MT20	5.0x 7.0 Ctr	0.5		0.43

APPROX. TRUSS WEIGHT: 887.1 LBS

P	MT20	2.0x 4.0 Ctr	Ctr 0.29
C	MT20	6.0x 8.0-1.1-3.9	0.41
Q	MT20	5.0x10.0 2.0-0.5	0.52
R	MT20	3.0x 7.0 Ctr	Ctr 0.25
D	MT20	6.0x 8.0-2.7	0.3 0.53
L	MT20	2.0x 4.0 Ctr	Ctr 0.29
S	MT20	4.0x 6.0 Ctr	Ctr 0.17
K	MT20	7.0x 8.0 Ctr-0.8	0.43
F	MT20	4.0x 6.0 Ctr	Ctr 0.16
J	MT20	7.0x 8.0 Ctr-0.8	0.43
I	MT20	7.0x 8.0 Ctr-0.8	0.46
E	MT20	4.0x 6.0 Ctr	Ctr 0.16
H	MT20	7.0x 8.0 Ctr-0.8	0.43
T	MT20	4.0x 6.0 Ctr	Ctr 0.17
G	MT20	2.0x 4.0 Ctr	Ctr 0.29

46 Gable studs to be attached with 2.0x4.0 plates each end.
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

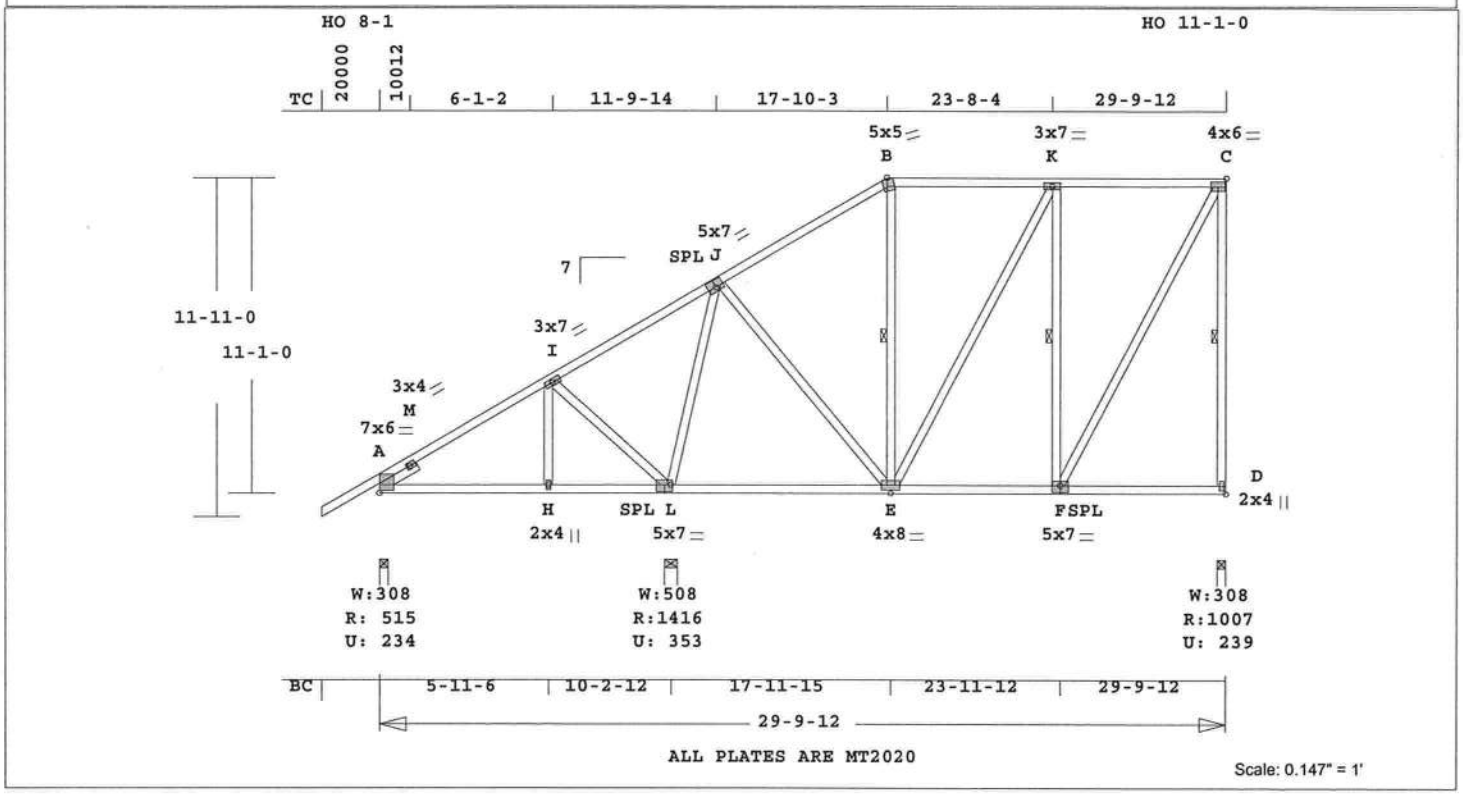
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 54- 0- 0
Max comp. force 424 Lbs
Max tens. force 535 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	A2	5	HHIP	290912	7	2- 0- 0	0	T3304086

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 277.9 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	Size	Lumber
TC	0.40	2x 4	SP-#2
BC	0.38	2x 4	SP-#2
WB	0.82	2x 4	SP-#2
SL	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17-10- 3
TC	24.0"	17-10- 3	29- 9-12
BC	Cont.	0- 0- 0	29- 9-12

One Continuous Lateral Brace
E -B F -K D -C
Attach CLB with (2)-10d nails
at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	515	235 U	214 R
L	1416	354 U	
D	1007	240 U	453 R

Jt	Brg Size	Required
A	3.5"	1.5"
L	5.5"	1.6"
D	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
Top Chords				
A -M	0.06	249 T	0.01	0.05
M -I	0.32	415 T	0.00	0.32
I -J	0.36	125 C	0.01	0.35
J -B	0.35	493 C	0.00	0.35
B -K	0.40	434 C	0.00	0.40
K -C	0.40	395 C	0.00	0.40
Bottom Chords				
A -H	0.21	315 C	0.00	0.21
H -L	0.37	315 C	0.04	0.33
L -E	0.36	185 T	0.03	0.33
E -F	0.38	395 T	0.06	0.32
F -D	0.29	354 T	0.00	0.29
Webs				
H -I	0.06	285 C		
I -L	0.19	585 T		
L -J	0.82	932 C		
J -E	0.06	360 T		
E -B	0.03	84 T		1 Br
E -K	0.32	140 C		
F -K	0.21	450 C		1 Br
F -C	0.73	831 T		
D -C	0.76	876 C	WindLd	1 Br
Sliders				
A -M	0.02	329 C		

TL Defl -0.14" in L -E L/999
LL Defl -0.07" in L -E L/999
Shear // Grain in K -C 0.27

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	7.0x 6.0	3.0	0.8	0.47
M	MT20	3.0x 4.0	Ctr	Ctr	0.16
I	MT20	3.0x 7.0	Ctr	Ctr	0.25
J	MT20	5.0x 7.0	-0.3	0.5	0.41
B	MT20	5.0x 5.0	0.8	-3.1	0.33
K	MT20	3.0x 7.0	Ctr	Ctr	0.25
C	MT20	4.0x 6.0	Ctr	Ctr	0.32
H	MT20	2.0x 4.0	Ctr	Ctr	0.29
L	MT20	5.0x 7.0	Ctr	-0.5	0.47
E	MT20	4.0x 8.0	Ctr	Ctr	0.20
F	MT20	5.0x 7.0	Ctr	-0.5	0.43
D	MT20	2.0x 4.0	Ctr	Ctr	0.29

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	10- 2-12

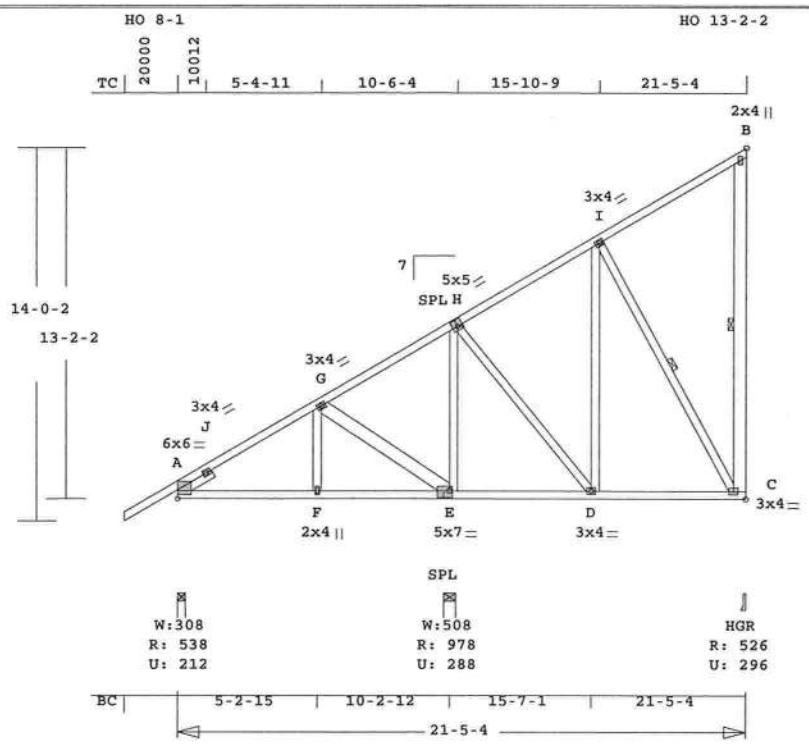
Max comp. force 932 Lbs
Max tens. force 831 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
KIM-WILLIAMS	*A3*	3	MONO	210504	7	2- 0- 0	0	*T3304087*

KIM WILLIAMS



Scale: 0.138" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 217.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.33	2x 4	SP-#2
BC	0.25	2x 4	SP-#2
WB	0.47	2x 6	SP-#2
--	0.38	2x 4	SP-#2
	F -G	E -H	H -D D -I
	I -C		
SL	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	21- 5- 4
BC	Cont.	0- 0- 0	21- 5- 4

One Continuous Lateral Brace
I -C C -B
Attach CLB with (2)-10d nails
at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	538	213 U	270 R
E	979	288 U	
C	527	297 U	537 R

Jt	Brg Size	Required
A	3.5"	1.5"
E	5.5"	1.5"
C	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -J	0.04	295 T	0.00 0.04
J -G	0.25	465 T	0.06 0.19
G -H	0.24	128 C	0.01 0.23
H -I	0.33	290 C	0.00 0.33
I -B	0.33	278 T	0.00 0.33
Bottom Chords			
A -F	0.21	334 T	0.00 0.21
F -E	0.21	334 T	0.00 0.21
E -D	0.23	173 T	0.00 0.23
D -C	0.25	307 T	0.02 0.23
Webs			
F -G	0.05	314 C	
G -E	0.14	603 T	
E -H	0.38	602 C	
H -D	0.04	261 T	
D -I	0.17	122 C	
I -C	0.19	406 C	1 Br
C -B	0.47	144 C	WindLd 1 Br
Sliders			
A -J	0.02	265 C	

TL Defl -0.06" in D -C L/999
LL Defl -0.03" in D -C L/999
Shear // Grain in I -B 0.22

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	6.0x 6.0	3.0	0.9	0.62
J	MT20	3.0x 4.0	Ctr	Ctr	0.16
G	MT20	3.0x 4.0	Ctr	Ctr	0.38
H	MT20	5.0x 5.0	-0.3	0.5	0.53
I	MT20	3.0x 4.0	Ctr	Ctr	0.38
B	MT20	2.0x 4.0	Ctr	Ctr	0.23
F	MT20	2.0x 4.0	Ctr	Ctr	0.29
E	MT20	5.0x 7.0	0.5	-0.5	0.92
D	MT20	3.0x 4.0	Ctr	Ctr	0.33
C	MT20	3.0x 4.0	Ctr	Ctr	0.33

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

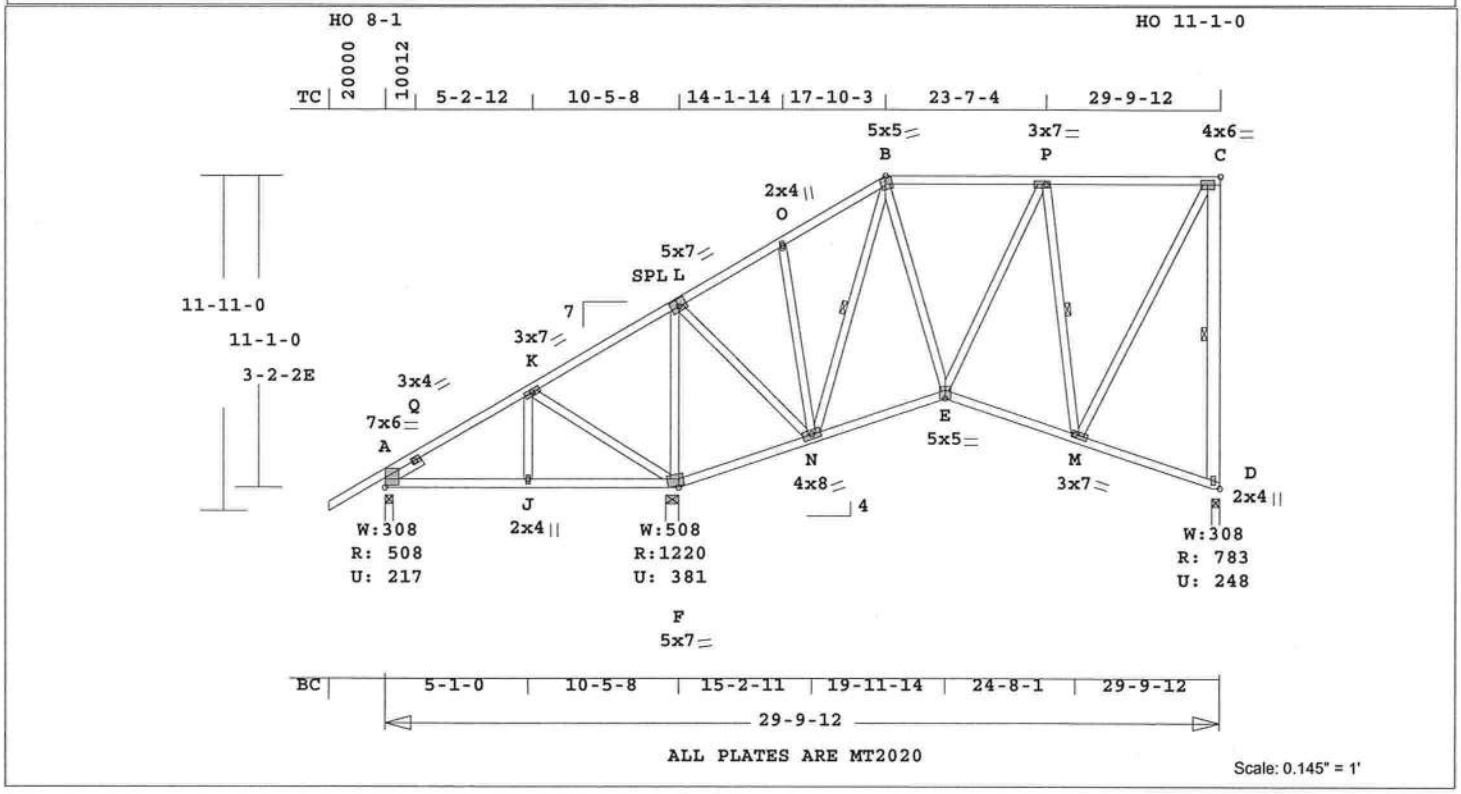
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 10- 2-12
Max comp. force 602 Lbs
Max tens. force 603 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
KIM-WILLIAMS	A4	7	SP	290912	7	2- 0- 0	0	T3304088

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 294.4 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.41	2x 4	SP-#2
BC	0.30	2x 4	SP-#2
WB	0.58	2x 4	SP-#2
--	0.35	2x 6	SP-#2
	D -C		
SL	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	17-10- 3
TC	24.0"	17-10- 3	29- 9-12
BC	Cont.	0- 0- 0	29- 9-12

One Continuous Lateral Brace
N -B P -M D -C
Attach CLB with (2)-10d nails at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	509	218 U	213 R
F	1221	382 U	
D	783	248 U	454 R

Jt	Brg Size	Required
A	3.5"	1.5"
F	5.5"	1.5"
D	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -Q	0.04	255 T	0.03 0.01
Q -K	0.24	401 T	0.05 0.19
K -L	0.23	151 C	0.00 0.23
L -O	0.21	465 C	0.00 0.21
O -B	0.12	512 C	0.04 0.08
B -P	0.41	472 C	0.00 0.41
P -C	0.41	352 C	0.00 0.41
--------Bottom Chords---------			
A -J	0.13	316 C	0.03 0.10
J -F	0.30	316 C	0.04 0.26
F -N	0.17	140 T	0.00 0.17
N -E	0.21	442 T	0.04 0.17
E -M	0.19	402 T	0.03 0.16
M -D	0.16	375 T	0.00 0.16
------------Webs------------			
J -K	0.04	231 C	
K -F	0.21	535 T	
F -L	0.58	919 C	
L -N	0.10	562 T	
O -N	0.17	226 C	
N -B	0.07	211 C	1 Br
B -E	0.05	257 T	
E -P	0.03	201 T	
P -M	0.21	601 C	1 Br
M -C	0.32	660 T	
D -C	0.35	740 C	WindLd 1 Br
----------Sliders----------			
A -Q	0.02	236 C	

TL Defl -0.05" in F -N L/999
LL Defl -0.01" in A -J L/999

Hz Disp	LL	DL	TL
Jt D	0.02"	0.01"	0.03"

Shear // Grain in P -C 0.28

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	7.0x 6.0	3.0	0.8	0.47
Q	MT20	3.0x 4.0	Ctr	Ctr	0.16
K	MT20	3.0x 7.0	Ctr	Ctr	0.22
L	MT20	5.0x 7.0	-0.3	0.5	0.38
O	MT20	2.0x 4.0	Ctr	Ctr	0.23
B	MT20	5.0x 5.0	0.4	-3.3	0.60
P	MT20	3.0x 7.0	Ctr	Ctr	0.26
C	MT20	4.0x 6.0	Ctr	Ctr	0.26
J	MT20	2.0x 4.0	Ctr	Ctr	0.29
F	MT20	5.0x 7.0	-1.5	3.0	0.49
N	MT20	4.0x 8.0	Ctr	Ctr	0.23
E	MT20	5.0x 5.0	Ctr	-1.2	0.55
M	MT20	3.0x 7.0	Ctr	Ctr	0.40
D	MT20	2.0x 4.0	Ctr	Ctr	0.23

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007

OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf

User-defined wind-exposed BC regions	--From--	---To---
	0- 0- 0	10- 5- 8

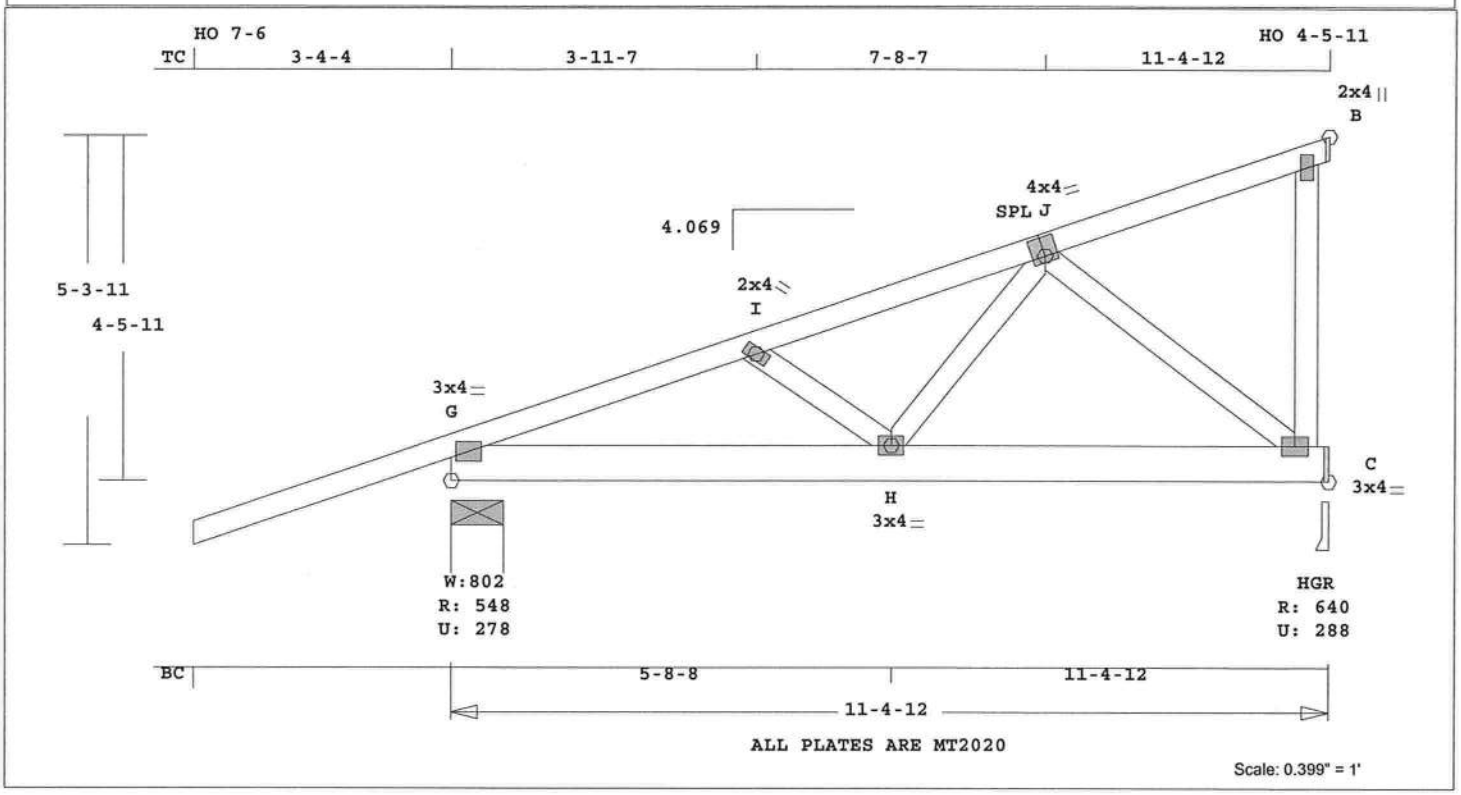
Max comp. force 919 Lbs
Max tens. force 660 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	CJ1	4	MONO.DD	110412	4.069	3- 4- 4	0	T3304089

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 86.7 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.39	2x 4	SP-#2
BC	0.18	2x 6	SP-#2
WB	0.16	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	11- 4-12
BC	Cont.	0- 0- 0	11- 4-12

psf-Ld	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0	Spacing	24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25

TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
G	549	278 U	88 R
C	640	288 U	170 R

Jt	Brg Size	Required
G	8.1"	1.5"
C	3.5"	1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	11.4'
BC V	20	0	0.0'	11.4'
TC V	-20	-40	0.0'	
	23	46		11.4'
BC V	-20	0	0.0'	
	23	0		11.4'

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
G -I	0.19	951 T	0.13	0.06
I -J	0.39	875 T	0.12	0.27
J -B	0.27	69 C	0.00	0.27
--------Bottom Chords---------				
G -H	0.17	967 C	0.08	0.09
H -C	0.18	572 C	0.03	0.15
------------Webs-------------				
I -H	0.02	158 T		
H -J	0.09	526 C		
J -C	0.16	902 T		
C -B	0.08	246 T	WindLd	

TL Defl -0.04" in H -C L/999
LL Defl -0.02" in H -C L/999
Shear // Grain in J -B 0.28

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
G	MT20	3.0x 4.0	Ctr	Ctr	0.83
I	MT20	2.0x 4.0	Ctr	Ctr	0.12
J	MT20	4.0x 4.0-0.3	1.0		0.67
B	MT20	2.0x 4.0	Ctr	Ctr	0.14
H	MT20	3.0x 4.0	Ctr	Ctr	0.19
C	MT20	3.0x 4.0	Ctr	Ctr	0.42

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
Girder King Jack
Loading TC and BC
Setback 10- 0- 0
OH Loading
Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

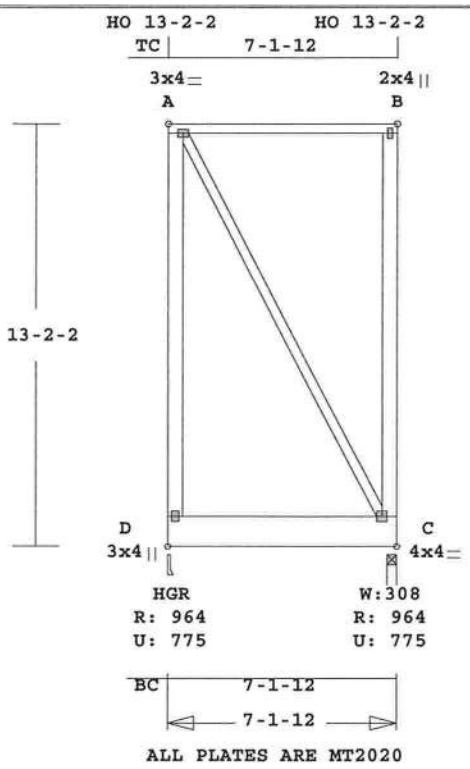
Use properly rated hangers for loads framing into girder truss.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 11- 4-12
Max comp. force 967 Lbs
Max tens. force 951 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Engineering*
KIM-WILLIAMS	*FL1GIR*	1*2P	FLAT	70112	130202	0	0	*T3304090*

KIM WILLIAMS



Scale: 0.166" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 147.1 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09
****
* 2-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.39	2x 4	SP-#2
BC	0.18	2x12	SP-#2
WB	0.30	2x 6	SP-#2
--	0.19	2x 4	SP-#2
	A -C		

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 1-12
BC	Cont.	0- 0- 0	7- 1-12

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
D	965	776 U	494 R
C	965	776 U	494 R

Jt	Brg Size	Required
D	3.5"	1.5"
C	3.5"	1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	7.1'
BC V	115	95	0.0'	7.1'

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.39	403 T	0.02 0.37
--------Bottom Chords---------			
D -C	0.18	413 T	0.00 0.18
------------Webs-------------			
D -A	0.30	588 T	WindLd
A -C	0.19	519 T	
C -B	0.23	331 T	WindLd

TL Defl -0.02" in D -C L/999
LL Defl -0.01" in D -C L/999
Shear // Grain in A -B 0.15

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.17
B	MT20	2.0x 4.0	Ctr	Ctr	0.16
D	MT20	3.0x 4.0	Ctr	Ctr	0.13
C	MT20	4.0x 4.0	Ctr	Ctr	0.13

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
Girder Common
Loading BC
Span 11- 6- 0
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

	Rows	Nails	Screws	Bolts
	----Spacing (In)----			
TC	1	12	24	0
BC	3	12	24	0
WB	1	8	8	

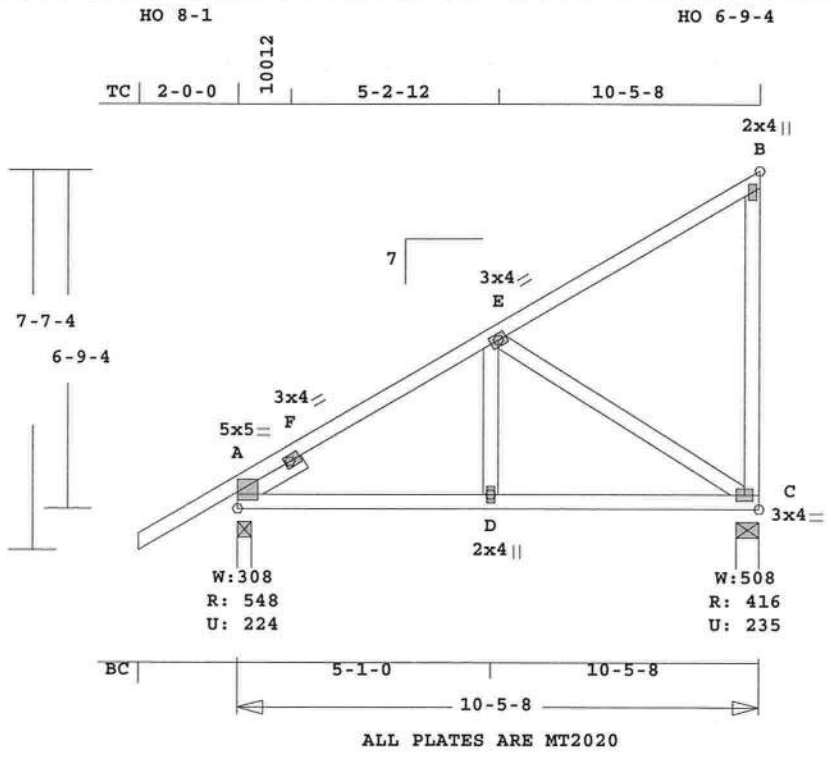
Design checked for 10 psf non-concurrent LL on BC.
Provide drainage to prevent water ponding.
Use properly rated hangers for loads framing into girder truss.
This truss must be installed as shown. It cannot be installed upside-down.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 519 Lbs
Max tens. force 588 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	*M1*	12	MONO	100508	7	2- 0- 0	0	*T3304091*

KIM WILLIAMS



ALL PLATES ARE MT2020

Scale: 0.258" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 78.6 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.32	2x 4	SP-#2
BC	0.25	2x 4	SP-#2
WB	0.25	2x 4	SP-#2
SL	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	10- 5- 8
BC	Cont.	0- 0- 0	10- 5- 8

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	548	225 U	132 R
C	416	236 U	263 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	5.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -F	0.06	409 T	0.05 0.01
F -E	0.32	619 T	0.08 0.24
E -B	0.28	124 T	0.00 0.28
Bottom Chords			
A -D	0.25	415 C	0.00 0.25
D -C	0.25	415 C	0.00 0.25
Webs			
D -E	0.06	371 C	
E -C	0.25	721 T	
C -B	0.25	136 C	WindLd
Sliders			
A -F	0.03	261 C	

TL Defl -0.05" in D -C L/999
LL Defl -0.02" in D -C L/999
Shear // Grain in E -B 0.21

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	5.0x 5.0	2.5	0.7	0.77
F	MT20	3.0x 4.0	Ctr	Ctr	0.10
E	MT20	3.0x 4.0	Ctr	Ctr	0.30
B	MT20	2.0x 4.0	Ctr	Ctr	0.13
D	MT20	2.0x 4.0	Ctr	Ctr	0.15
C	MT20	3.0x 4.0	Ctr	Ctr	0.33

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as

Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	10- 5- 8

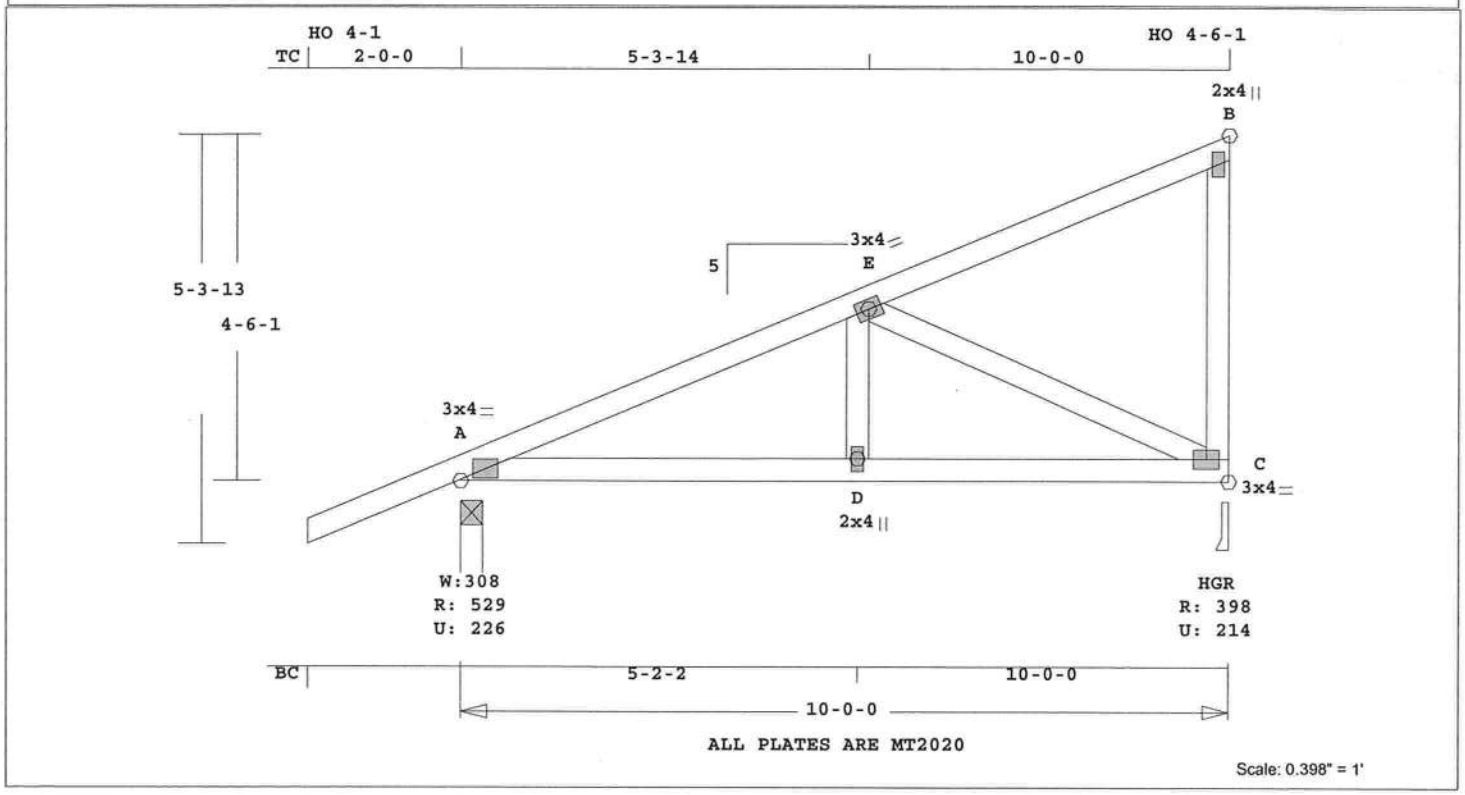
Max comp. force 436 Lbs
Max tens. force 721 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	M2	44	MONO	100000	5	2- 0- 0	0	T3304092

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 63.8 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.42	2x 4	SP-#2
BC	0.24	2x 4	SP-#2
WB	0.22	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	10- 0- 0
BC	Cont.	0- 0- 0	10- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	530	227 U	101 R
C	398	215 U	174 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -E	0.42	871 T	0.11 0.31
E -B	0.31	79 C	0.00 0.31
--------Bottom Chords---------			
A -D	0.24	840 C	0.00 0.24
D -C	0.24	840 C	0.00 0.24
------------Webs------------			
D -E	0.03	384 C	
E -C	0.22	1068 T	
C -B	0.09	193 T	WindLd

TL Defl -0.03" in A -D L/999
LL Defl -0.01" in D -C L/999
Shear // Grain in E -B 0.24

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.54
E	MT20	3.0x 4.0	Ctr	Ctr	0.45
B	MT20	2.0x 4.0	Ctr	Ctr	0.13
D	MT20	2.0x 4.0	Ctr	Ctr	0.15
C	MT20	3.0x 4.0	Ctr	Ctr	0.48

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B

Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	10- 0- 0

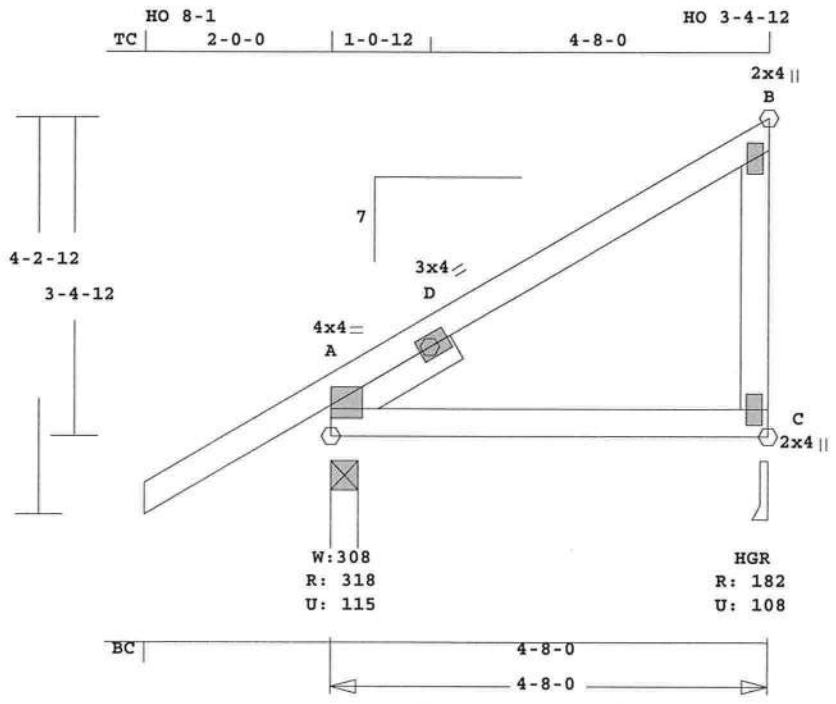
Max comp. force 840 Lbs
Max tens. force 1068 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Engineering*
KIM-WILLIAMS	***M4***	15	JCA2	40800	7	2- 0- 0	0	*T3304093*

KIM WILLIAMS



Scale: 0.485" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 31.8 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.27	2x 4	SP-#2
BC	0.37	2x 4	SP-#2
WB	0.05	2x 4	SP-#2
SL	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	4- 8- 0
BC	Cont.	0- 0- 0	4- 8- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	319	115 U	59 R
C	182	108 U	119 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -D	0.23	386 T	0.02 0.21
D -B	0.27	60 C	0.00 0.27
--------Bottom Chords---------			
A -C	0.37	103 T	0.01 0.36
------------Webs------------			
C -B	0.05	124 T	WindLd
----------Sliders----------			
A -D	0.03	484 C	

TL Defl -0.03" in A -C L/999
LL Defl -0.01" in A -C L/999
Shear // Grain in A -C 0.28

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 4.0	2.0	0.6	0.98
D	MT20	3.0x 4.0	Ctr	Ctr	0.19
B	MT20	2.0x 4.0	Ctr	Ctr	0.13
C	MT20	2.0x 4.0	Ctr	Ctr	0.12

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00

Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	4- 8- 0

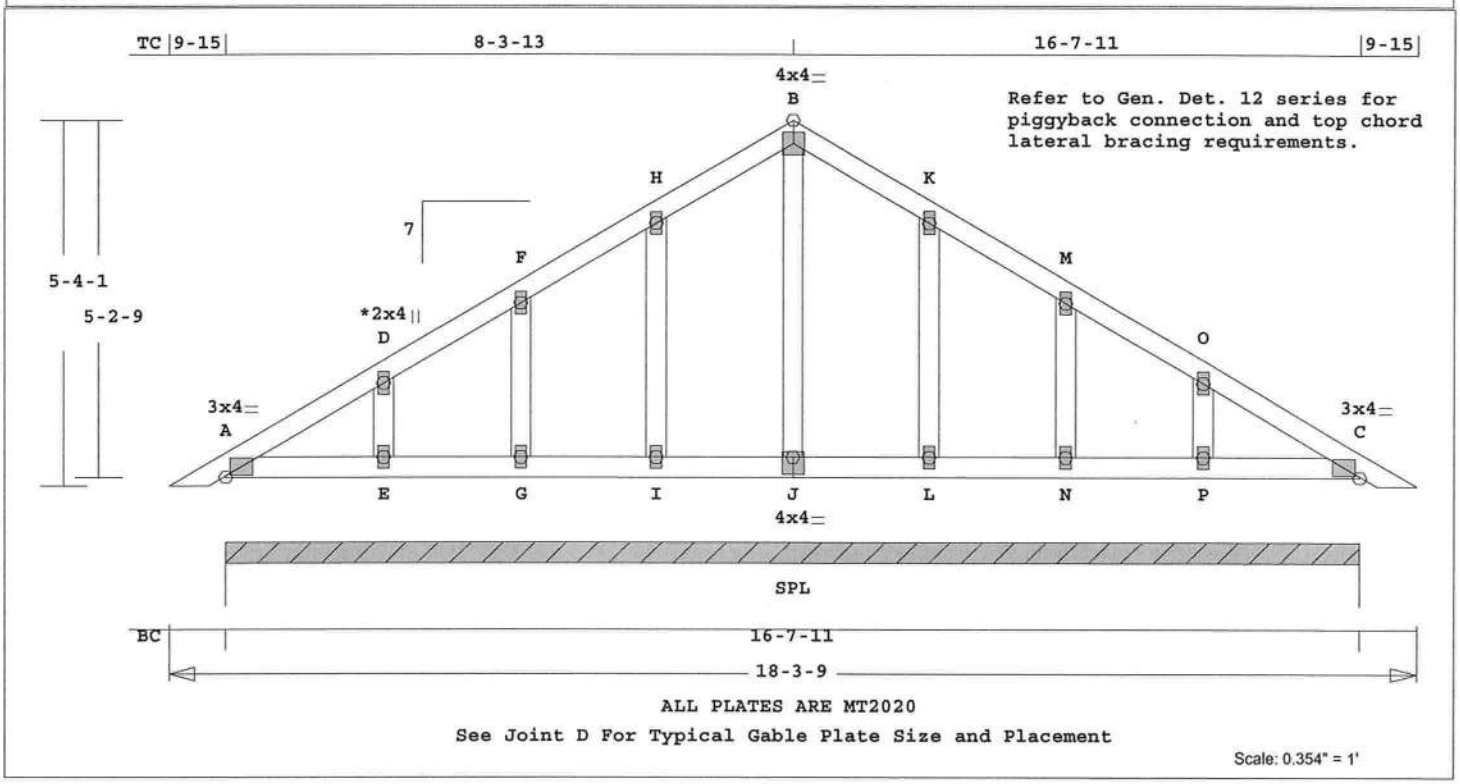
Max comp. force 484 Lbs
Max tens. force 386 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	P1	2	TR	180309	7	9-15	9-15	T3304094

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 106.6 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.04	2x 4	SP-#2
BC	0.03	2x 4	SP-#2
GW	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	18- 3- 9
BC	Cont.	0- 0- 0	18- 3- 9

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1333	282 U	116 R

Jt	Brg Size	Required
A	199.7"	0"-to- 200"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
A -D	0.04	97 C	0.00	0.04
D -F	0.04	48 C	0.00	0.04
F -H	0.03	55 C	0.00	0.03
H -B	0.03	118 T	0.00	0.03
B -K	0.03	118 T	0.00	0.03
K -M	0.03	55 C	0.00	0.03
M -O	0.04	48 C	0.00	0.04
O -C	0.04	96 C	0.00	0.04
Bottom Chords				
A -E	0.03	3 T	0.00	0.03
E -G	0.02	0 T	0.00	0.02
G -I	0.02	0 T	0.00	0.02
I -J	0.02	0 T	0.00	0.02
J -L	0.02	0 T	0.00	0.02
L -N	0.02	0 T	0.00	0.02
N -P	0.02	0 T	0.00	0.02
P -C	0.03	3 T	0.00	0.03
Gable Webs				
E -D	0.01	150 C		
G -F	0.01	132 C		
I -H	0.03	137 C		
J -B	0.02	70 C		
L -K	0.03	137 C		
N -M	0.01	132 C		
P -O	0.01	151 C		

TL Defl 0.00" in P -C L/999
LL Defl 0.00" in P -C L/999
Shear // Grain in A -D 0.07

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.50
D	MT20	2.0x 4.0	Ctr	Ctr	0.00
F	MT20	2.0x 4.0	Ctr	Ctr	0.00
H	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	4.0x 4.0	Ctr	Ctr	0.42
K	MT20	2.0x 4.0	Ctr	Ctr	0.00
M	MT20	2.0x 4.0	Ctr	Ctr	0.00
O	MT20	2.0x 4.0	Ctr	Ctr	0.00
C	MT20	3.0x 4.0	Ctr	Ctr	0.50
E	MT20	2.0x 4.0	Ctr	Ctr	0.00
G	MT20	2.0x 4.0	Ctr	Ctr	0.00
I	MT20	2.0x 4.0	Ctr	Ctr	0.00
J	MT20	4.0x 4.0	Ctr	-1.0	0.39
L	MT20	2.0x 4.0	Ctr	Ctr	0.00
N	MT20	2.0x 4.0	Ctr	Ctr	0.00
P	MT20	2.0x 4.0	Ctr	Ctr	0.00

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

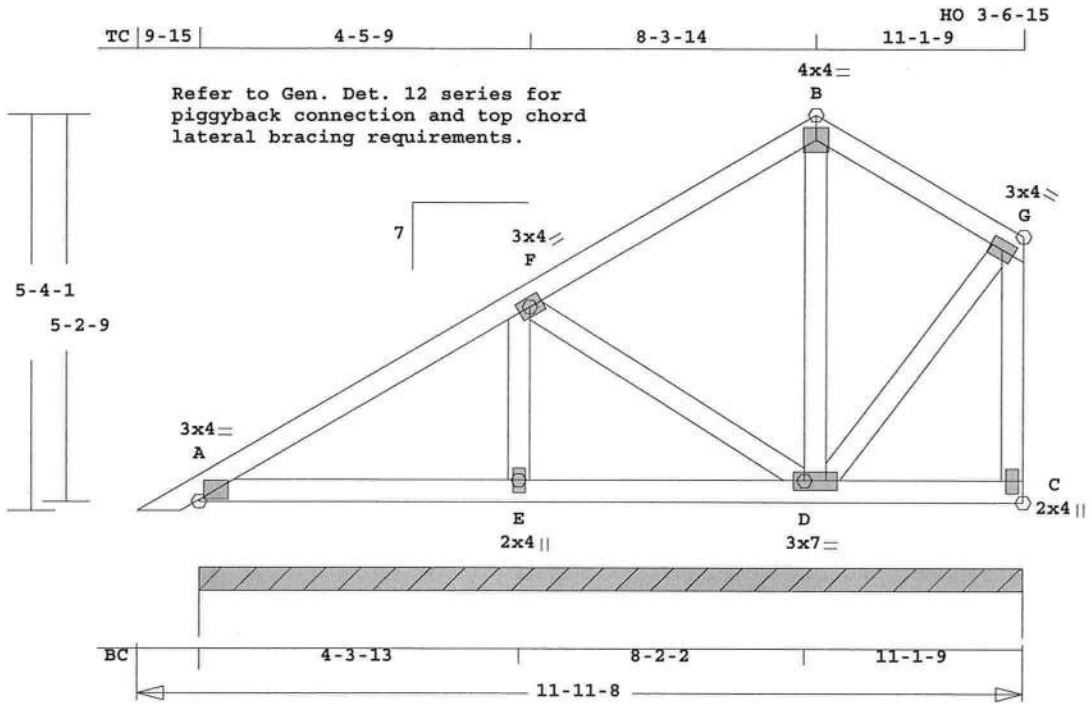
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 151 Lbs
Max tens. force 130 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	P2	12	SP	111108	7	9-15	0	T3304095

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 82.1 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.18	2x 4	SP-#2
BC	0.10	2x 4	SP-#2
WB	0.06	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	11-11- 8
BC	Cont.	0- 0- 0	11-11- 8

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	891	187 U	176 R

Jt	Brg Size	Required
A	133.6"	0"-to- 134"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -F	0.18	155 C	0.00 0.18
F -B	0.18	98 T	0.00 0.18
B -G	0.06	107 T	0.01 0.05
Bottom Chords			
A -E	0.10	2 T	0.00 0.10
E -D	0.10	0 T	0.00 0.10
D -C	0.06	0 T	0.00 0.06
Webs			
E -F	0.01	137 C	
F -D	0.05	178 C	
D -B	0.05	161 C	
D -G	0.01	67 C	
C -G	0.06	131 C	WindLd

TL Defl -0.01" in A -E L/999
LL Defl -0.01" in A -E L/999
Shear // Grain in A -F 0.15

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.50
F	MT20	3.0x 4.0	Ctr	Ctr	0.21
B	MT20	4.0x 4.0	Ctr	Ctr	0.42
G	MT20	3.0x 4.0	Ctr	Ctr	0.21
E	MT20	2.0x 4.0	Ctr	Ctr	0.13
D	MT20	3.0x 7.0	Ctr	Ctr	0.19
C	MT20	2.0x 4.0	Ctr	Ctr	0.12

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

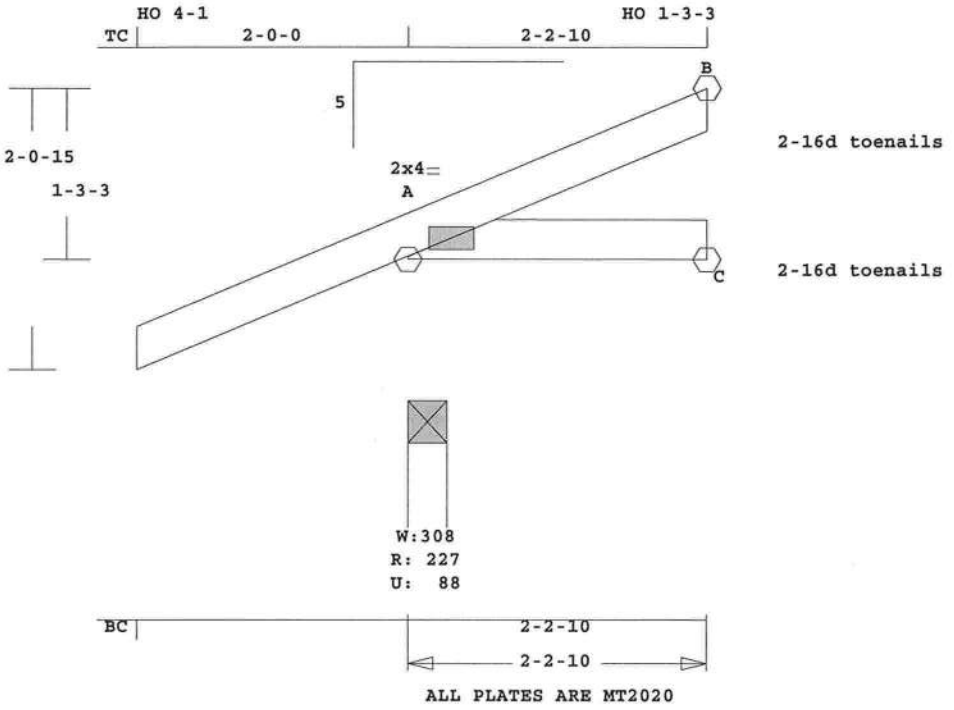
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 178 Lbs
Max tens. force 150 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	*T6*	4	JCA2	20210	5	2- 0- 0	0	*T3304096*

KIM WILLIAMS



Scale: 0.701" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 13.1 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.07	2x 4	SP-#2
BC	0.07	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	2- 2-10
BC	Cont.	0- 0- 0	2- 2-10

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	227	88 U	124 R
C	40	19 U	
B	54	32 U	22 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.07	60 C	0.00 0.07
A -C	0.07	0 T	0.00 0.07

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.12

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.68

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

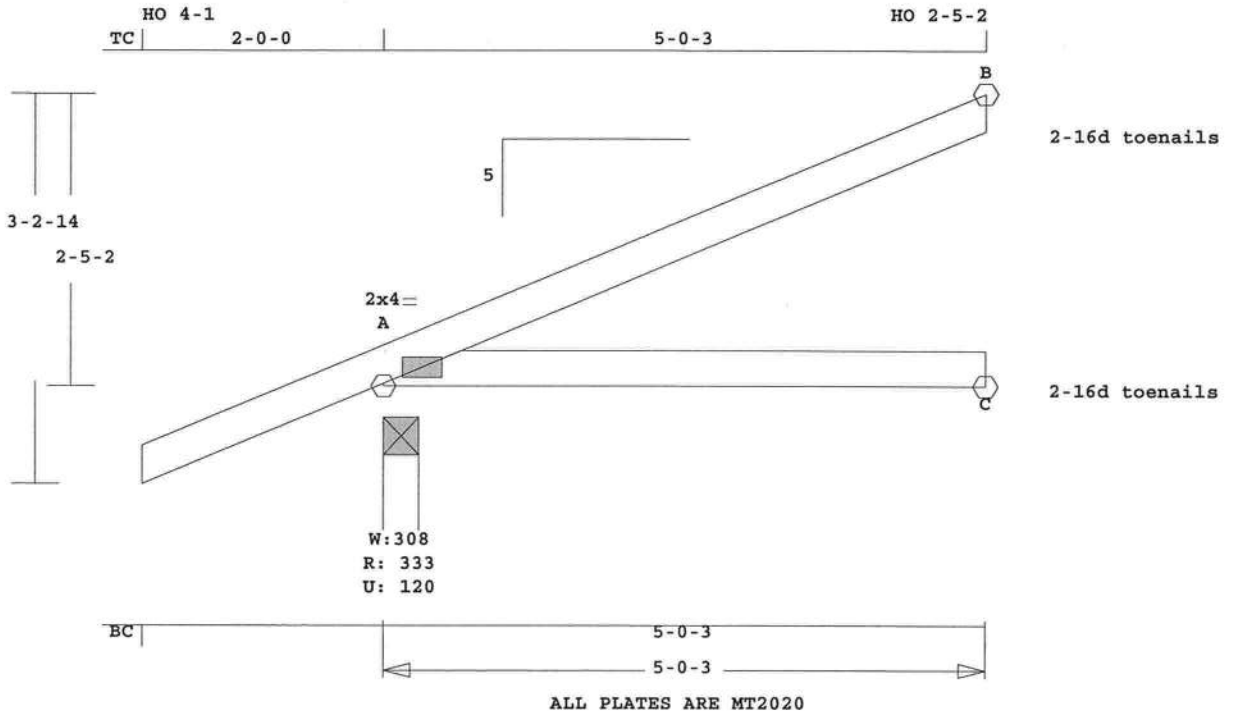
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 2- 2-10
Max comp. force 60 Lbs
Max tens. force 14 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	T7	4	JCA2	50003	5	2- 0- 0	0	T3304097

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 24.1 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.49	2x 4	SP-#2
BC	0.48	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	5- 0- 3
BC	Cont.	0- 0- 0	5- 0- 3

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	333	121 U	237 R
C	94	44 U	
B	133	75 U	51 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.49	139 C	0.00 0.49
--------Bottom Chords---------			
A -C	0.48	0 T	0.00 0.48

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.30

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
A MT20	2.0x 4.0	Ctr	Ctr	0.68

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	5- 0- 3

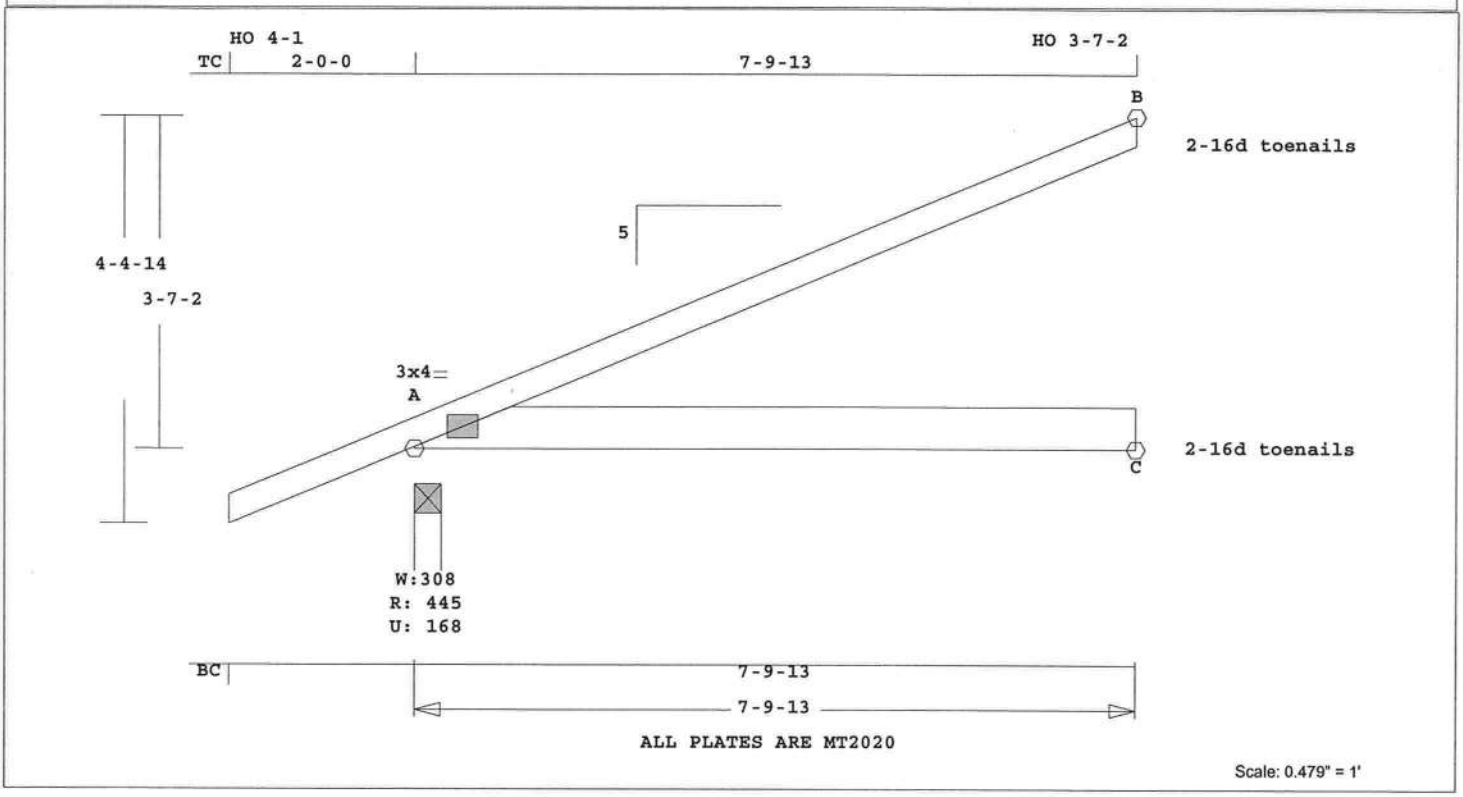
Max comp. force 139 Lbs
Max tens. force 32 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	*T8*	4	MONO	70913	5	2- 0- 0	0	*T3304098*

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 42.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.68	2x 4	SP-#2
BC	0.63	2x 6	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 9-13
BC	Cont.	0- 0- 0	7- 9-13

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	445	168 U	302 R
C	163	83 U	
B	182	101 U	79 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

Plus 7 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.68	156 C	0.00 0.68
--------Bottom Chords---------			
A -C	0.63	0 T	0.00 0.63

TL Defl -0.12" in A -C L/757
LL Defl -0.05" in A -C L/999
Shear // Grain in A -B 0.33

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.78

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	7- 9-13

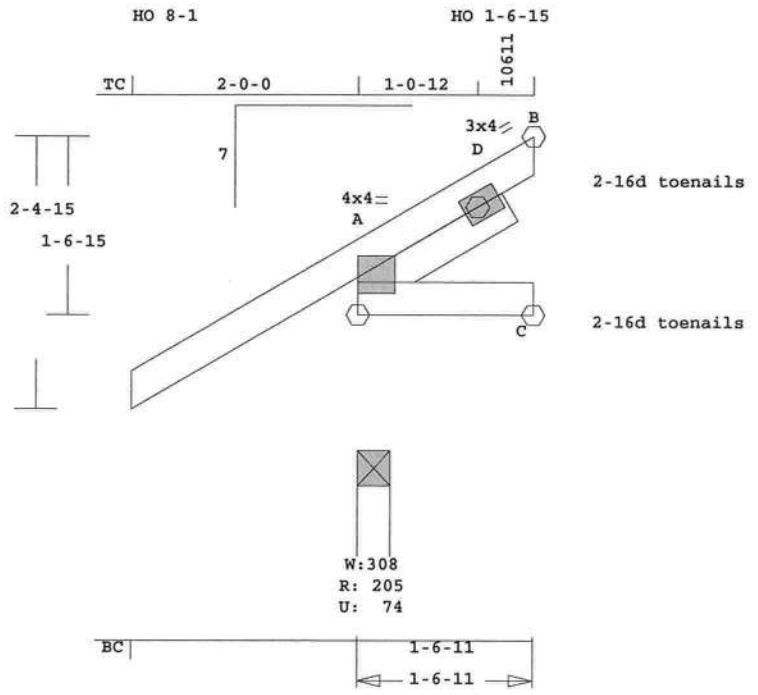
Max comp. force 156 Lbs
Max tens. force 51 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	T10	4	JCA2	10611	7	2- 0- 0	0	T3304099

KIM WILLIAMS



Scale: 0.584" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 13.9 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.02	2x 4	SP-#2
BC	0.02	2x 4	SP-#2
SL	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	1- 6-11
BC	Cont.	0- 0- 0	1- 6-11

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	206	75 U	55 R
C	26	14 U	
B	34	35 U	23 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -D	0.02	40 T	0.00 0.02
D -B	0.02	35 C	0.00 0.02
--------Bottom Chords---------			
A -C	0.02	0 T	0.00 0.02
----------Sliders------------			
A -D	0.00	56 C	

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -C 0.06

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 4.0	2.0	0.6	0.98
D	MT20	3.0x 4.0	Ctr	Ctr	0.08

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

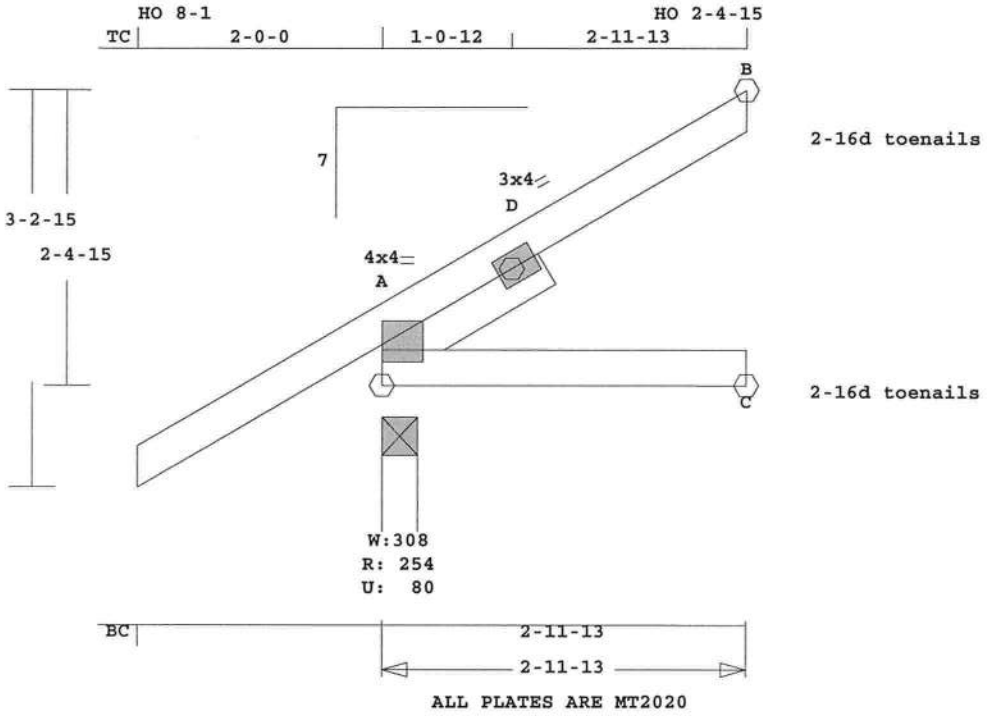
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 1- 6-11
Max comp. force 56 Lbs
Max tens. force 40 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
KIM-WILLIAMS	T11	4	JCA2	21113	7	2- 0- 0	0	T3304100

KIM WILLIAMS



Scale: 0.633" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 19.7 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.12	2x 4	SP-#2
BC	0.14	2x 4	SP-#2
SL	0.01	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	2-11-13
BC	Cont.	0- 0- 0	2-11-13

psf-Ld	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0	Spacing	24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	255	81 U	105 R
C	54	31 U	
B	76	57 U	43 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -D	0.11	170 T	0.00	0.11
D -B	0.12	65 C	0.00	0.12
--------Bottom Chords---------				
A -C	0.14	0 T	0.00	0.14
----------Sliders------------				
A -D	0.01	163 C		

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -C 0.16

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 4.0	2.0	0.6	0.98
D	MT20	3.0x 4.0	Ctr	Ctr	0.08

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0

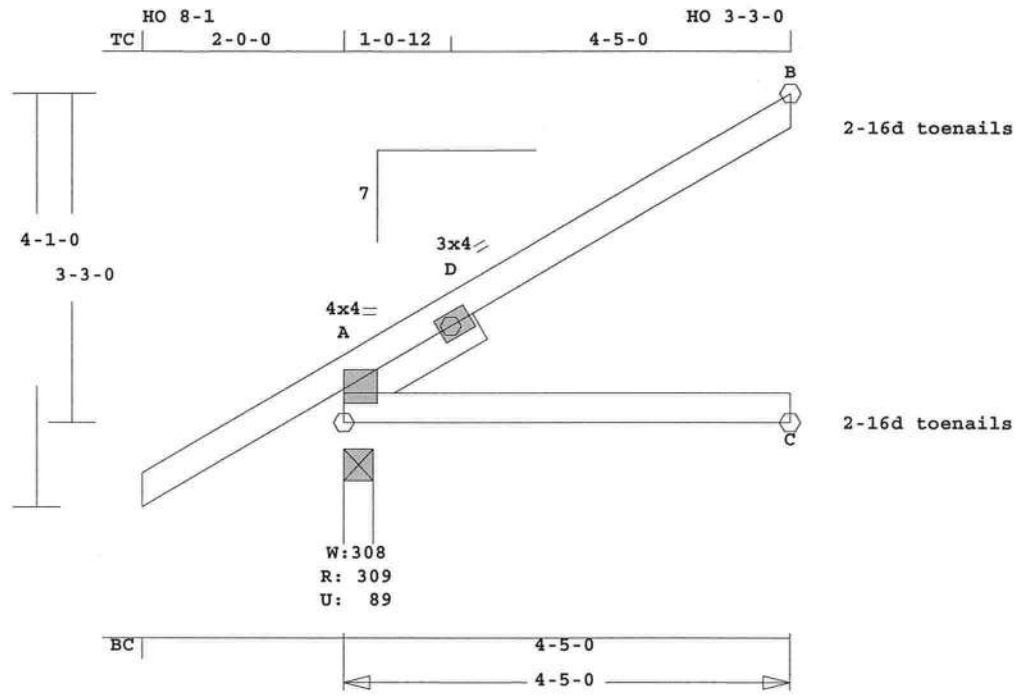
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 2-11-13
Max comp. force 163 Lbs
Max tens. force 170 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KIM-WILLIAMS	T12	4	JCA2	40500	7	2- 0- 0	0	T3304101

KIM WILLIAMS



ALL PLATES ARE MT2020

Scale: 0.524" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 25.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.26	2x 4	SP-#2
BC	0.34	2x 4	SP-#2
SL	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	4- 5- 0
BC	Cont.	0- 0- 0	4- 5- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	310	89 U	156 R
C	82	45 U	
B	115	82 U	64 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -D	0.23	390 T	0.01 0.22
D -B	0.26	95 C	0.00 0.26
--------Bottom Chords---------			
A -C	0.34	0 T	0.00 0.34
----------Sliders----------			
A -D	0.03	399 C	

TL Defl -0.03" in A -C L/999
LL Defl -0.01" in A -C L/999
Shear // Grain in A -C 0.26

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 4.0	2.0	0.6	0.98
D	MT20	3.0x 4.0	Ctr	Ctr	0.15

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0

Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	4- 5- 0

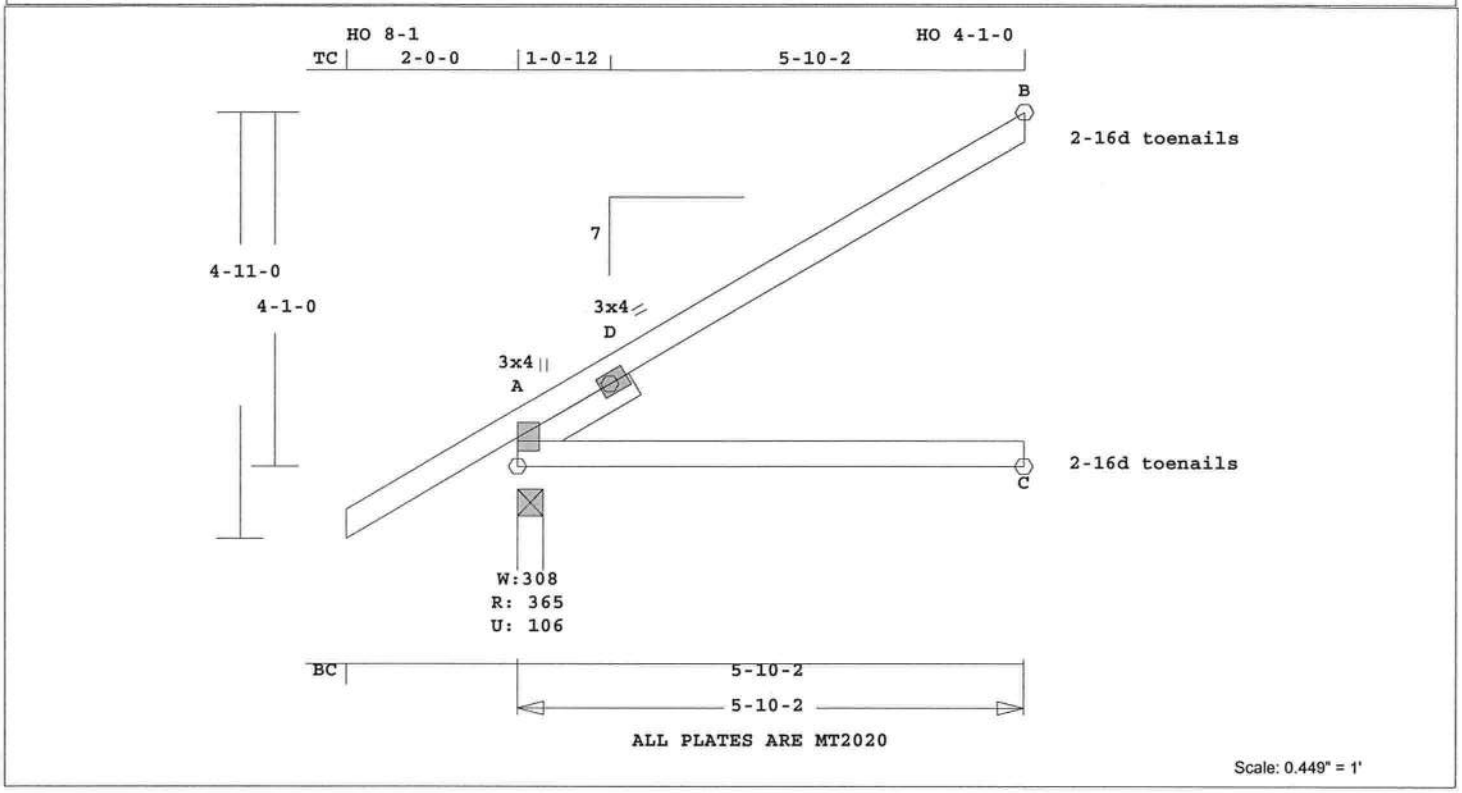
Max comp. force 399 Lbs
Max tens. force 390 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Engineering*
KIM-WILLIAMS	***T13***	4	JCA2	51002	7	2- 0- 0	0	*T3304102*

KIM WILLIAMS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 31.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 11-MAR-09

	CSI	-Size-	----Lumber----
TC	0.46	2x 4	SP-#2
BC	0.59	2x 4	SP-#2
SL	0.05	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	5-10- 2
BC	Cont.	0- 0- 0	5-10- 2

psf-Ld	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0	Spacing	24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	366	107 U	205 R
C	110	58 U	
B	155	107 U	85 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -D	0.33	679 T	0.01 0.32
D -B	0.46	124 C	0.00 0.46
--------Bottom Chords---------			
A -C	0.59	0 T	0.00 0.59
----------Sliders------------			
A -D	0.05	711 C	

TL Defl -0.09" in A -C L/727
LL Defl -0.04" in A -C L/999
Shear // Grain in A -C 0.35

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	1.5	0.4	0.84
D	MT20	3.0x 4.0	Ctr	Ctr	0.28

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0

Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	5-10- 2

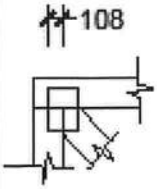
Max comp. force 711 Lbs
Max tens. force 679 Lbs
Quality Control Factor 1.25

Joaquin Velez, FL Lic. #68182
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

March 11,2009

ROBBINS ENG. GENERAL NOTES & SYMBOLS

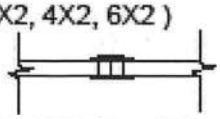
PLATE LOCATION



Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE

(3X2, 4X2, 6X2)



(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

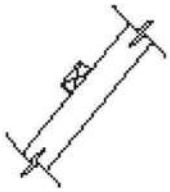
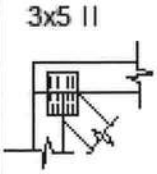


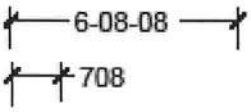
PLATE SIZE AND ORIENTATION

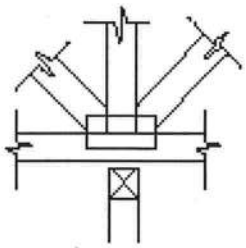


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).





W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before erecting this truss. If necessary, shim bearings to assure solid contact with truss.

ROBBINS connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on truss design drawings refer to common wire nails, except as noted.
The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA)," National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS FABRICATOR.

Robbins Engineering, Inc.

6904 Parke East Blvd.
Tampa, Fl 33610-4115
Tel: 813-972-1135 Fax: 813-971-6117

www.robbinseng.com

Application # 0403-15

PRODUCT APPROVAL SPECIFICATION SHEET

Location: 512 SE Waterleaf Dr. **Project Name:** Williams

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS		See attached	
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf		3ft. Wide rib panel	FL7809.2
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

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

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

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

Kimberly Williams
Contractor or Contractor's Authorized Agent Signature

Kimberly Williams 3/30/09
Print Name Date

512 SE Waterleaf Dr. Lake City, FL 32024
Location

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

of Products

FL #	Model, Number or Name	Description
10287.1	SH-2100	Vinyl Single Hung Window

Limits of Use
Approved for use in HVHZ: No
Approved for use outside HVHZ: Yes
Impact Resistant: No
Design Pressure: N/A
Other: Equal Lite, Cottage, or Oriel 47.5x73.5 rating is H-R35, and 35.5x73.5 rating is H-R50. Double units up to 95.5x73.5 or Triple units up to 131.5x73.5 with Continuous Head and Sill (max. component window width 47.5) achieve H-R35. Equal Lite or Oriel 47.5x83.5 rating is H-R35, and 35.5x83.5 rating is H-R50. Glass restrictions may limit product size or require glass upgrades to achieve full design pressures. Please see test reports ATI-79777.01 and 85559.01 for additional information.

Certification Agency Certificate
FL10287_R1_C_CAC_190-440-CAR.pdf
FL10287_R1_C_CAC_190-441-CAR.pdf
FL10287_R1_C_CAC_190-442-CAR.pdf
FL10287_R1_C_CAC_190-443-CAR.pdf
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FL10287_R1_C_CAC_190-468-CAR.pdf
FL10287_R1_C_CAC_190-469-CAR.pdf
FL10287_R1_C_CAC_190-470-CAR.pdf
FL10287_R1_C_CAC_190-471-CAR.pdf
Quality Assurance Contract Expiration Date
01/24/2012
Installation Instructions
FL10287_R1_II_79777-01-401-44.pdf
FL10287_R1_II_85559 01-401-47-r1.pdf
FL10287_R1_II_SH2100 Anchorage.pdf
Verified By: Lucas A. Turner, P.E. 58201
Created by Independent Third Party: No
Evaluation Reports
Created by Independent Third Party:

9162.3	c. Fiberglass Door	Up to a 3'0 x 6'8 Glazed "Non-Impact" Fiberglass Door with Sidelites - Inswing / Outswing Configurations (OXO)
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** N/A **Other:** See INST 9162.3 for any additional use limitations, installation instructions and product particulars		**Installation Instructions** FL9162_R1_II_INST 9162.3.pdf Verified By: Wendell W. Haney, P.E. 54158 Created by Independent Third Party: Yes **Evaluation Reports** FL9162_R1_AE_EVAL 9162.3.pdf Created by Independent Third Party: Yes
9162.4	d. Fiberglass Door	Up to a 6'0 x 6'8 Glazed "Non-Impact" Fiberglass Door - Double Configuration (XX) Inswing / Outswing
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** N/A **Other:** See INST 9162.4 for any additional use limitations, installation instructions and product particulars		**Installation Instructions** FL9162_R1_II_INST 9162.4.pdf Verified By: Wendell W. Haney, P.E. 54158 Created by Independent Third Party: Yes **Evaluation Reports** FL9162_R1_AE_EVAL 9162.4.pdf Created by Independent Third Party: Yes

R W B C

R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

P.O. Box 230 Valrico, FL 33595 Phone 813.659.9197 Facsimile 813.754.9989

Florida Board of Professional Engineers Certificate of Authorization No. 9813

Product Evaluation Report

Report No.:	FL-9162.4 R1
Date:	March 18, 2008
Product Category:	Exterior Doors
Product sub-category:	Swinging Exterior Door Assemblies
Product Name:	Glazed Fiberglass Double Door 6'8" Inswing / Outswing "Non-Impact"
Manufacturer:	Builder's Hardware, Inc. 5615 E. Powhatan Ave. Tampa, FL 33610 Phone 800.966.7753 Facsimile 813.977.5632

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Wendell W. Haney, P.E. (System ID # 1993) for Builder's Hardware, Inc. based on Rule Chapter No. 9B-72.070, Method 1d of the State of Florida Product Approval, Department of Community Affairs-Florida Building Commission.

RW Building Consultants and Wendell W. Haney, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the Florida Building Code (2007 Edition)

See Drawing No. FL-3550 prepared by R W Building Consultants, Inc. and signed and sealed by Wendell W. Haney, P.E. (FL # 54158) for specific use parameters.

Wendell W. Haney, P.E.
FL No. 54158
March 18, 2008

Limitations

1. This product has been evaluated and is in compliance with the 2007 Florida Building Code structural requirements excluding the "High Velocity Hurricane Zone".

2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.

3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the 2007 Florida Building Code.

4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.

5. Site conditions that deviate from the details of drawing FL-3550 require further engineering analysis by a licensed engineer or registered architect.

6. See drawing FL-3550 for size and design pressure limitations.

Wendell W. Haney, P.E.
FL No. 54158
March 18, 2008

Supporting Documents

A Drawing

1. Drawing No. FL-3550 prepared by R W Building Consultants, Inc. (Florida Board of Professional Engineers Certificate of Authorization No. 9813), signed and sealed by Wendell W. Haney, P.E.

B Tests

1. Testing per TAS 202-94 as performed by Testing Evaluation Laboratories, Inc. and reported in test report 07-0223-2, dated March 19, 2007, signed by Wendell W. Haney, P.E.

C Calculations

1. Product anchoring for tested specimens is in accordance with manufacturer's published recommendations as substantiated by tested specimens reported in test report 07-0223-2. Additional product anchor analysis for loading conditions prepared, signed and sealed by Wendell W. Haney, P.E.
2. Buck anchor analysis for loading conditions prepared, signed and sealed by Wendell W. Haney, P.E.
3. Glass load capacity calculations prepared, signed and sealed by Wendell W. Haney, P.E.

D Other

1. Certificate of Participation issued by National Accreditation & Management Institute, Inc., certifying that Builder's Hardware, Inc. is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.

Wendell W. Haney, P.E.
FL No. 54158
March 18, 2008

Builders Hardware Inc.

5615 E. POWHATAN AVE
TAMPA, FL 33610
PH. (800) 966-7753

GLAZED FIBERGLASS DOUBLE DOOR
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 2007 Florida Building Code structural requirements excluding the "High Velocity Hurricane Zone". ⚠1
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the Florida Building Code. ⚠1
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

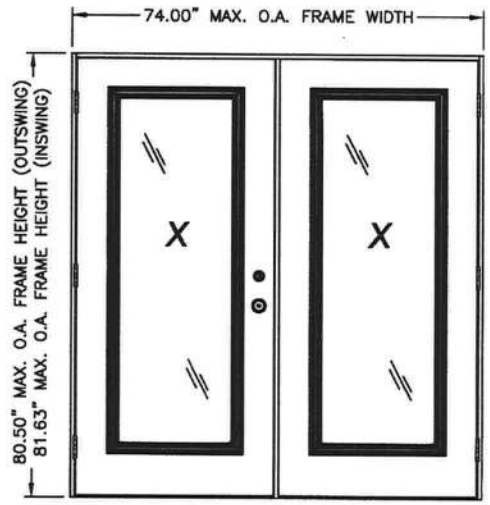


TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
2	PANEL DETAILS & COMPONENTS
3	HORIZONTAL CROSS SECTIONS
4	VERTICAL CROSS SECTIONS
5	BUCK & FRAME ANCHORING
6	ASTRAGAL DETAILS & COMPONENTS
7	BILL OF MATERIALS & GLAZING DETAIL

SWING	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE	
				POSITIVE	NEGATIVE
INSWING	74.00" X 81.63"	20.50" X 62.75"	G1	+60.0	-60.0
OUTSWING	74.00" X 80.50"	20.50" X 62.75"		+60.0	-60.0

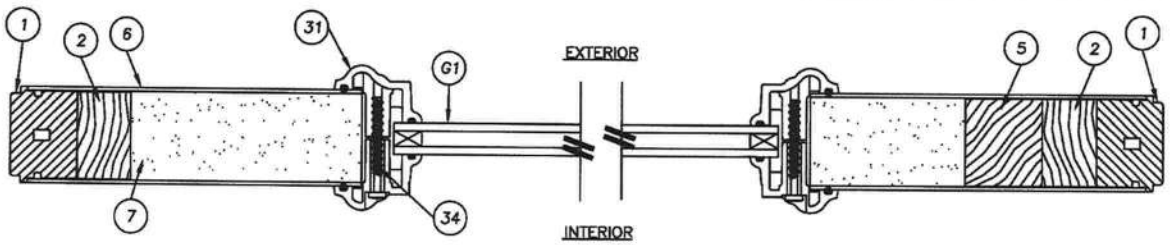
Documents Prepared By:
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Hoffer, P.E. No. 54158
3-19-08

PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

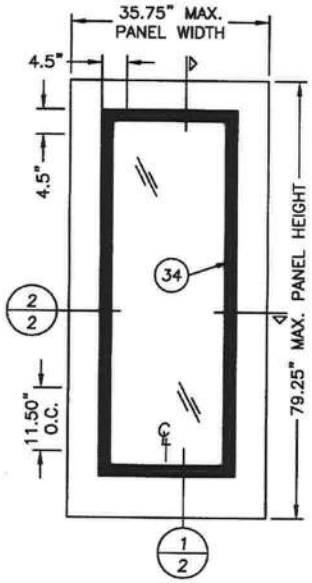
NO.	DATE	REVISIONS	BY
1	03/18/08	REVISE GENERAL NOTES TO 2007	ROF

DATE: 07/17/07
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: WWH
DRAWING NO.: FL-3550
SHEET 1 OF 7

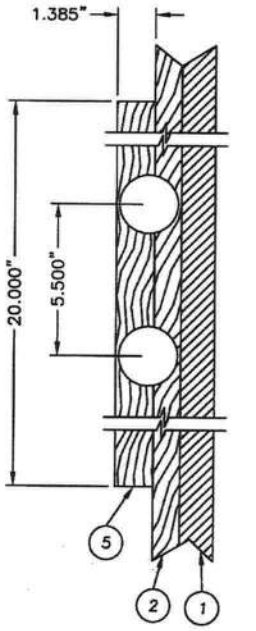
R:\A - Projects\Project Folders\Proj 1201-1300\pf 1241\D. RWBC Drawings\NON-IMP BUILDERS HARDWARE NEW.dwg, FL-3550



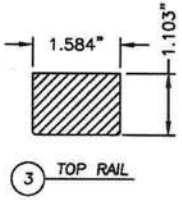
2/2 HORIZONTAL CROSS SECTION
FIBERGLASS PANEL



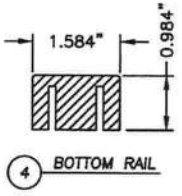
DOOR PANEL



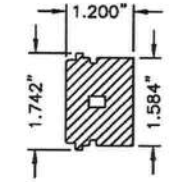
1/2/5 LOCK BLOCK DETAIL



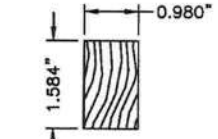
3 TOP RAIL



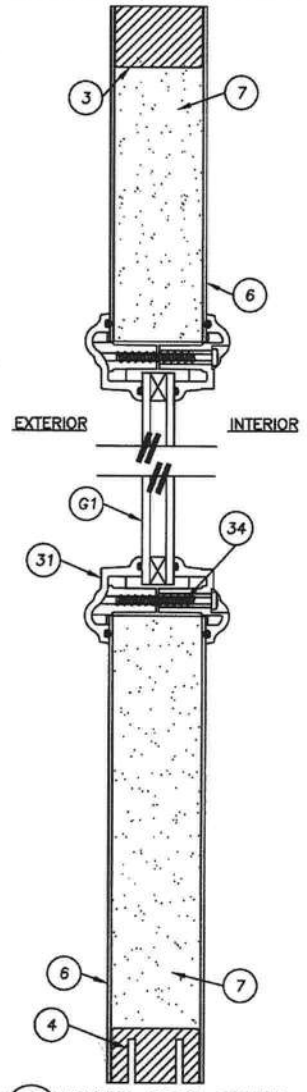
4 BOTTOM RAIL



1 HINGE & LATCH
STILE EDGE



2 HINGE & LATCH STILE
REINFORCEMENT



1/2 VERTICAL CROSS SECTION
FIBERGLASS PANEL

Documents Prepared By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.1197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
3-19-08
Wendell W. Hyatt, P.E. No. 54158

PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR

PART OR ASSEMBLY: PANEL DETAILS & COMPONENTS

NO	DATE	REVISIONS	BY
1	03/18/08	REVISE GENERAL NOTES TO 2007	ROF

DATE: 7/17/07
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: WWH
DRAWING NO.: FL-3550
SHEET 2 OF 7

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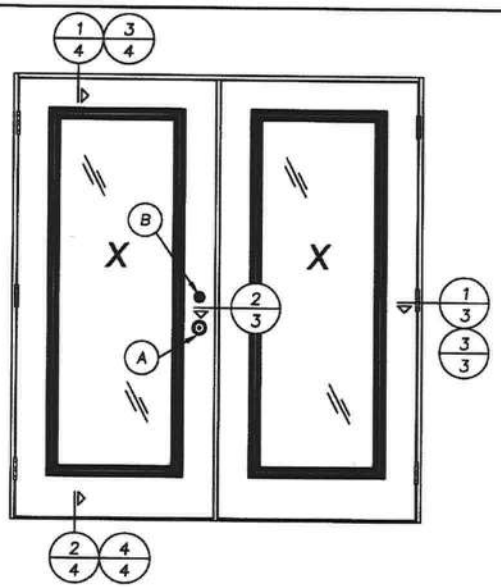
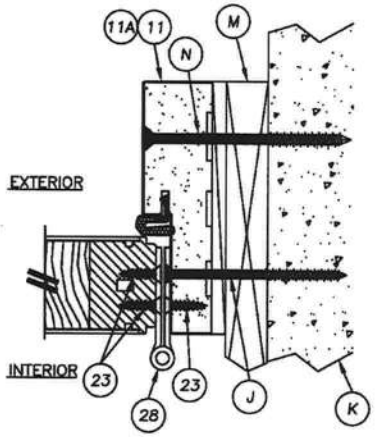
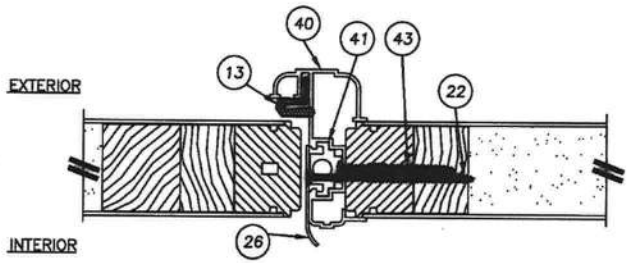
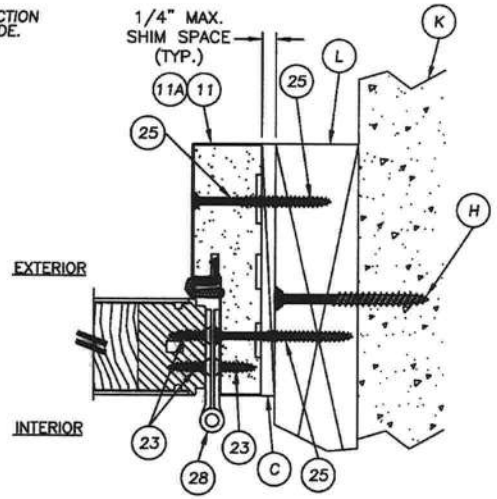




3/3 HORIZONTAL CROSS SECTION INSWING
SHOWN W/1X SUB-BUCK SUBSTITUTING CONCRETE SCREWS FOR SCREWS PER SECTION 1714.5.4.2 OF THE FLORIDA BUILDING CODE.



2/3 HORIZONTAL CROSS SECTION INSWING



1/3 HORIZONTAL CROSS SECTION INSWING

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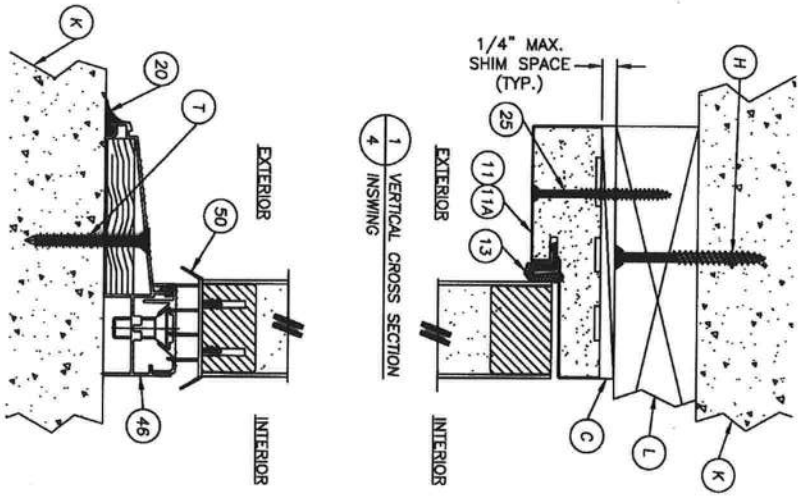
Documents Prepared By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9177
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
3-18-08
Wendell W. Hoover, P.E. No. 54158

PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY
1	03/18/08	REVISE GENERAL NOTES TO 2007	ROF

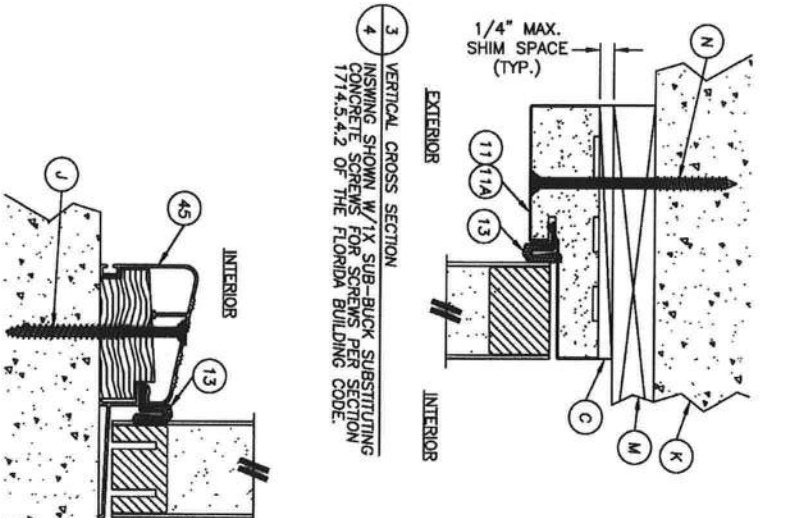
DATE: 07/17/07
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: WWH
DRAWING NO.: FL-3550
SHEET 3 OF 7

R:\A - Projects\Project Folders\Proj 1201-1300\pf 1241\D. RWBC Drawings\NON-IMP BUILDERS HARDWARE NEW.dwg, 4XX



1/4 VERTICAL CROSS SECTION
INSWING

2/4 VERTICAL CROSS SECTION
INSWING



3/4 VERTICAL CROSS SECTION
INSWING SHOWN W/1X SUB-BUCK SUBSTITUTING CONCRETE SCREWS FOR SCREWS PER SECTION 1714.5.4.2 OF THE FLORIDA BUILDING CODE.

4/4 VERTICAL CROSS SECTION
OUTSWING

1	03/18/08	REVISE GENERAL NOTES TO 2007	ROF	
NO.	DATE		BY	

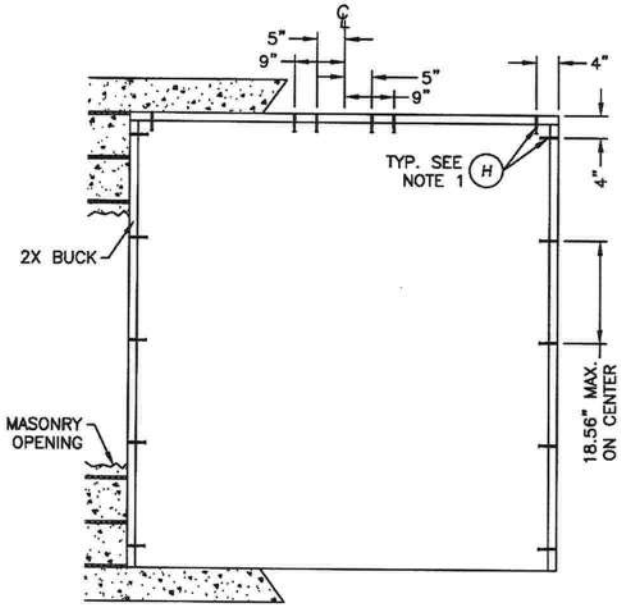
REVISIONS

PRODUCT:
BUILDERS HARDWARE
FIBERGLASS DOOR

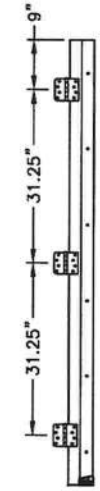
PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
3-19-08
Wendell W. Hames, P.E. No. 54158

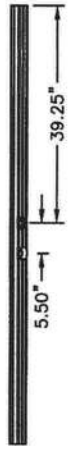
DATE: 07/17/07
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: WWH
DRAWING NO.: FL-3550
SHEET 4 OF 7



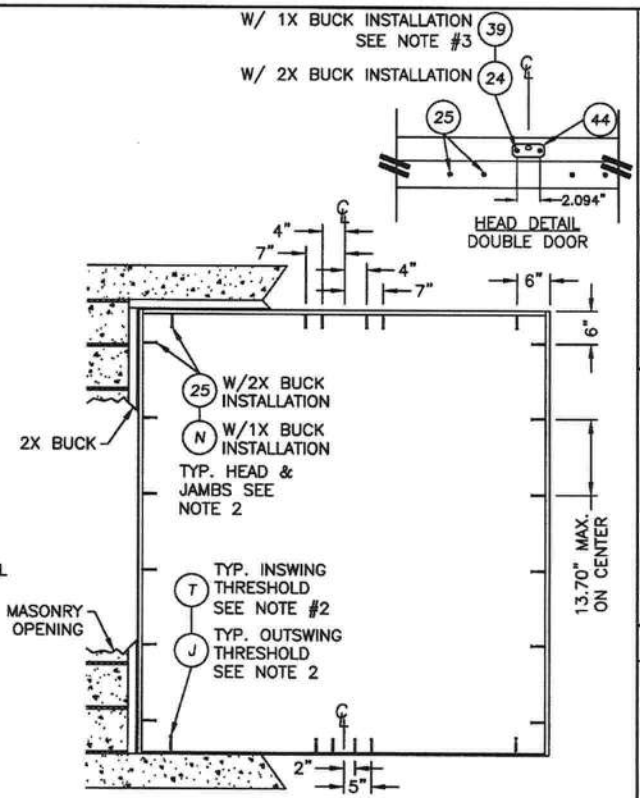
BUCK ANCHORING



HINGE LOCATIONS



LATCH & DEADBOLT LOCATIONS – ASTRAGAL



HEAD DETAIL DOUBLE DOOR

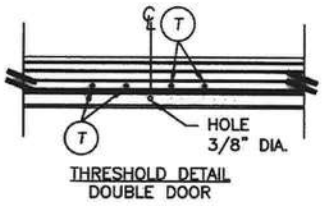
FRAME ANCHORING

NOTES:

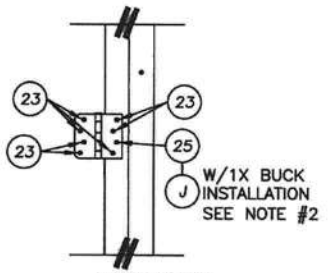
1. *1/4" Elco Tapcon anchoring 2x buck require a minimum 1" clearance to masonry edges, a 1–1/4" minimum embedment and a minimum 4" clearance to adjacent tapcons. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Tapcon locations at the corners and astragal centerline locations may be adjusted to maintain the minimum edge distance to mortar joints. If Tapcon locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, Additional Tapcons may be required to ensure the maximum on center dimension is not exceeded.*

2. *1/4" ITW concrete screws anchoring frame and/or sill require a minimum 2–1/2" clearance to masonry edges, a 1–1/4" minimum embedment and a minimum 3" clearance to adjacent concrete screws. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Tapcon locations at the corners and astragal centerline locations may be adjusted to maintain the minimum edge distance to mortar joints. If Tapcon locations noted as " MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional Tapcons may be required to ensure the maximum on center dimension is not exceeded.*

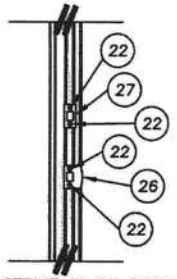
3. *3/16" ITW concrete screws anchoring frame and/or sill require a minimum 2–5/8" clearance to masonry edges, a 1–1/4" minimum embedment and a minimum 2–1/4" clearance to adjacent concrete screws unless otherwise noted by concrete screw manufacturer.*



THRESHOLD DETAIL DOUBLE DOOR



HINGE DETAIL



STRIKE PLATE DETAIL

Documents Prepared By:
R|W BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Hyatt P.E. No. 54158
3-19-08

PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR

PART OR ASSEMBLY: BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS	BY
1	03/18/08	REVISE GENERAL NOTES TO 2007	ROF

DATE: 07/17/07
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: WWH
DRAWING NO.: FL–3550
SHEET 5 OF 7

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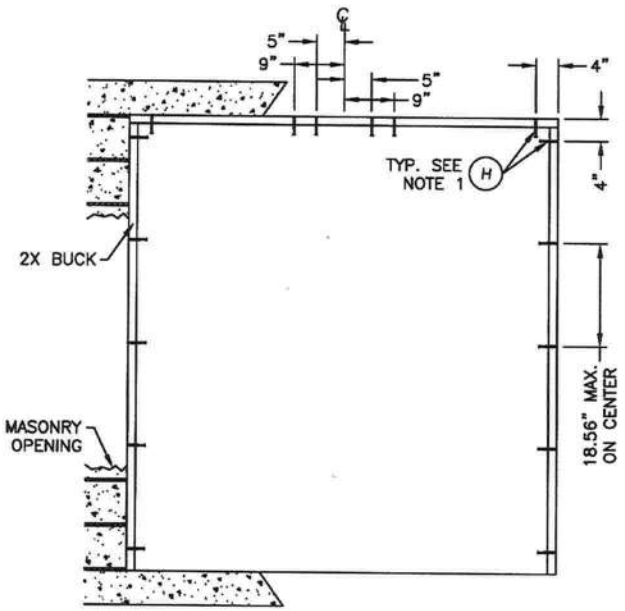
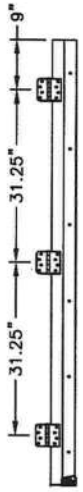
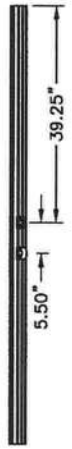


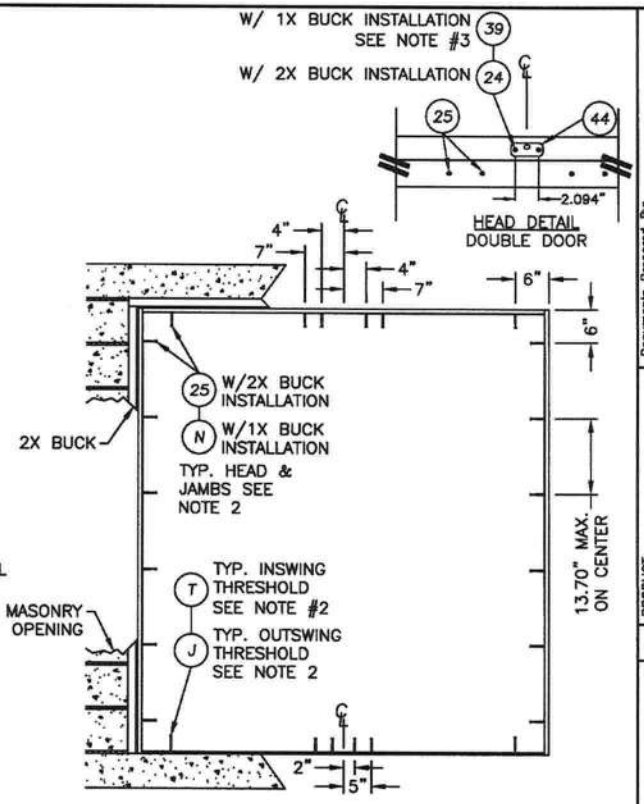
BUCK ANCHORING



HINGE LOCATIONS



LATCH & DEADBOLT LOCATIONS – ASTRAGAL



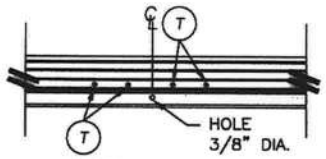
FRAME ANCHORING

NOTES:

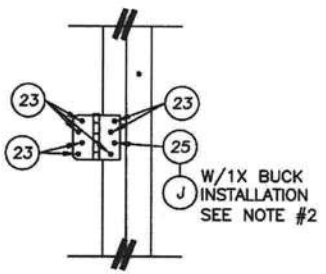
1. *1/4" Elco Tapcon anchoring 2x buck require a minimum 1" clearance to masonry edges, a 1–1/4" minimum embedment and a minimum 4" clearance to adjacent tapcons. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Tapcon locations at the corners and astragal centerline locations may be adjusted to maintain the minimum edge distance to mortar joints. If Tapcon locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, Additional Tapcons may be required to ensure the maximum on center dimension is not exceeded.*

2. *1/4" ITW concrete screws anchoring frame and/or sill require a minimum 2–1/2" clearance to masonry edges, a 1–1/4" minimum embedment and a minimum 3" clearance to adjacent concrete screws. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Tapcon locations at the corners and astragal centerline locations may be adjusted to maintain the minimum edge distance to mortar joints. If Tapcon locations noted as " MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional Tapcons may be required to ensure the maximum on center dimension is not exceeded.*

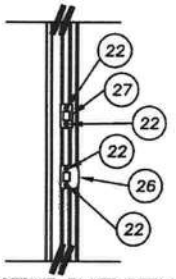
3. *3/16" ITW concrete screws anchoring frame and/or sill require a minimum 2–5/8" clearance to masonry edges, a 1–1/4" minimum embedment and a minimum 2–1/4" clearance to adjacent concrete screws unless otherwise noted by concrete screw manufacturer.*



THRESHOLD DETAIL DOUBLE DOOR



HINGE DETAIL



STRIKE PLATE DETAIL

Documents Prepared By:
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Hoover P.E. No. 54158
3-19-08

PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR

PART OR ASSEMBLY: BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS	BY
1	03/18/08	REVISE GENERAL NOTES TO 2007	ROF

DATE: 07/17/07
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: WWH
DRAWING NO.: FL-3550
SHEET 5 OF 7

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PRODUCT:	REVISIONS			DATE: 07/17/07
BUILDERS HARDWARE FIBERGLASS DOOR	NO.	DATE	BY	SCALE: N.T.S.
PART OR ASSEMBLY: ASTRAGAL DETAILS & COMPONENTS	1	03/18/08 REVISE GENERAL NOTES TO 2007	ROF	DWG. BY: AP
				CHK. BY: WWH
				DRAWING NO.: FL-3550
				SHEET 6 OF 7

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
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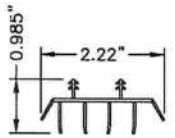
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Hodge, P.E. No. 54158

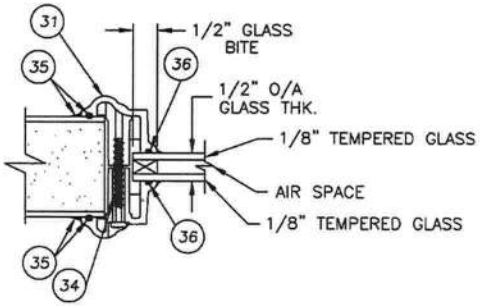
R:\A - Projects\Project Folders\Proj 1201-1300\pf 1241\D. RWBC Drawings\change name to drawing designation\WON-IMP BUILDERS HARDWARE NEW-REV-1-2007.dwg, 7/X

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	YALE CIRRUS 100C PASSAGE LOCK	STEEL
	YALE CIRRUS 10CB PASSAGE LOCK	STEEL
	KWIKSET TITAN PASSAGE LOCK	STEEL
	BHI #902 PASSAGE LOCK	STEEL
B	YALE 820 DEADBOLT	STEEL
	YALE 83 DEADBOLT	STEEL
	KWIKSET TITAN DEADBOLT	STEEL
	BHI #200 DEADBOLT	STEEL
C	1/4" MAX. SHIM SPACE	–
J	1/4" X 3-1/4" ITW TAPCON	STEEL
K	MASONRY – 3,192 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	MASONRY
L	2X BUCK SG≥.55	WOOD
M	1X BUCK	WOOD
N	1/4" X 3-3/4" ITW TAPCON	STEEL
H	1/4" X 2-3/4" ELCO TAPCON	STEEL
T	1/4" X 2-1/4" ITW TAPCON	STEEL
1	HINGE & LATCH STILE EDGE	COMPOSITE
2	HINGE & LATCH STILE REINFORCEMENT	WOOD
3	TOP RAIL	COMPOSITE
4	BOTTOM RAIL	COMPOSITE
5	LOCK BLOCK	WOOD
6	DOOR SKIN (0.069" THK.) PLAST PRO/NANYA Fy= 11,063 PSI	FIBERGLASS
7	FOAM CORE	POLYURETHANE
11	POLYFIBER COMPOSITE JAMB	POLYFIBER
11A	JAMB FINGER-JOINT-PINE	WOOD
13	WEATHERSTRIP	FOAM
20	SEALANT	SILICONE
22	#8 X 3" PFH WOOD SCREW	STEEL
23	#10 X 3/4" PFH SCREW	STEEL
24	#10 X 2-1/2" PFH SCREW	STEEL
25	#10 X 2-1/2" PFH WOOD SCREW	STEEL
26	LATCH STRIKE PLATE	STEEL
27	DEADBOLT STRIKE PLATE	STEEL
28	4" HINGE	STEEL
31	TRADITIONAL DOOR GLASS FRAME – HP POLYPROPYLENE (ODL)	POLYMER
34	#8 X 1-1/2" PPH SCREW	STEEL
35	PF-1200	P/MERIC FOAM
36	GLAZING COMPOUND – FOR ODL BY ADCO	BUTYL
37	SCREW PLUG	POLYMER
39	3/16" X 3-1/4" ITW TAPCON	STEEL
40	ASTRAGAL 6063-T5 ALUMINUM BY DLP	ALUMINUM
41	CONCEALED STIFFENER 6063-T6 ALUMINUM BY BUILDERS HARDWARE	ALUMINUM
42	SLIDE BOLT ROD	STEEL
43	#8 X 2" PPH SCREW	STEEL
44	ASTRAGAL STRIKE PLATE @ HEAD	STEEL

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
45	OUTSWING THRESHOLD BY DLP	ALUM./WOOD
46	INSWING THRESHOLD BY DLP	ALUMINUM
47	INSWING THRESHOLD SIDELITE BY DLP	ALUMINUM
48	SIDELITE SPACER	POLY./TPE
49	3/8-16NC X 3/4" PFH SCREW	STEEL
50	DOOR SWEEP	–



50 DOOR SWEEP



G1 GLAZING DETAIL 1/2" THK. GLASS

Documents Prepared By:
R|W BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Hoppe, P.E. No. 34158
3-19-08

PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR

PART OR ASSEMBLY: BILL OF MATERIALS & GLAZING DETAIL

NO.	DATE	REVISIONS	BY
1	03/18/08	REVISE GENERAL NOTES TO 2007	ROF

DATE: 07/17/07
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: WWH
DRAWING NO.: FL-3550
SHEET 7 OF 7

R W B C

R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

P.O. Box 230 Valrico, FL 33595 Phone 813.659.9197 Facsimile 813.754.9989

Florida Board of Professional Engineers Certificate of Authorization No. 9813

Product Evaluation Report

Report No.:	FL-9162.3 R1
Date:	March 18, 2008
Product Category:	Exterior Doors
Product sub-category:	Swinging Exterior Door Assemblies
Product Name:	Glazed Fiberglass Single Door With Sidelites 6'8" Inswing / Outswing "Non-Impact"
Manufacturer:	Builder's Hardware, Inc. 5615 E. Powhatan Ave. Tampa, FL 33610 Phone 800.966.7753 Facsimile 813.977.5632

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Wendell W. Haney, P.E. (System ID # 1993) for Builder's Hardware, Inc. based on Rule Chapter No. 9B-72.070, Method 1d of the State of Florida Product Approval, Department of Community Affairs-Florida Building Commission.

RW Building Consultants and Wendell W. Haney, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the Florida Building Code (2007 Edition)

See Drawing No. FL-3549 prepared by R W Building Consultants, Inc. and signed and sealed by Wendell W. Haney, P.E. (FL # 54158) for specific use parameters.

Wendell W. Haney, P.E.
FL No. 54158
March 18, 2008

Limitations

1. This product has been evaluated and is in compliance with the 2007 Florida Building Code structural requirements excluding the "High Velocity Hurricane Zone".

2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.

3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the 2007 Florida Building Code.

4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.

5. Site conditions that deviate from the details of drawing FL-3549 require further engineering analysis by a licensed engineer or registered architect.

6. See drawing FL-3549 for size and design pressure limitations.

Wendell W. Haney, P.E.
FL No. 54158
March 18, 2008

Supporting Documents

A Drawing

1. Drawing No. FL-3549 prepared by R W Building Consultants, Inc. (Florida Board of Professional Engineers Certificate of Authorization No. 9813), signed and sealed by Wendell W. Haney, P.E.

B Tests

1. Testing per TAS 202-94 as performed by Testing Evaluation Laboratories, Inc. and reported in test report 07-0223-2, dated March 19, 2007, signed by Wendell W. Haney, P.E.

C Calculations

1. Product anchoring for tested specimens is in accordance with manufacturer's published recommendations as substantiated by tested specimens reported in test report 07-0223-2. Additional product anchor analysis for loading conditions prepared, signed and sealed by Wendell W. Haney, P.E.
2. Buck anchor analysis for loading conditions prepared, signed and sealed by Wendell W. Haney, P.E.
3. Glass load capacity calculations prepared, signed and sealed by Wendell W. Haney, P.E.

D Other

1. Certificate of Participation issued by National Accreditation & Management Institute, Inc., certifying that Builder's Hardware, Inc. is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.

Wendell W. Haney, P.E.
FL No. 54158
March 18, 2008

Builders Hardware Inc.

5615 E. POWHATAN AVE
TAMPA, FL 33610
PH. (800) 966-7753

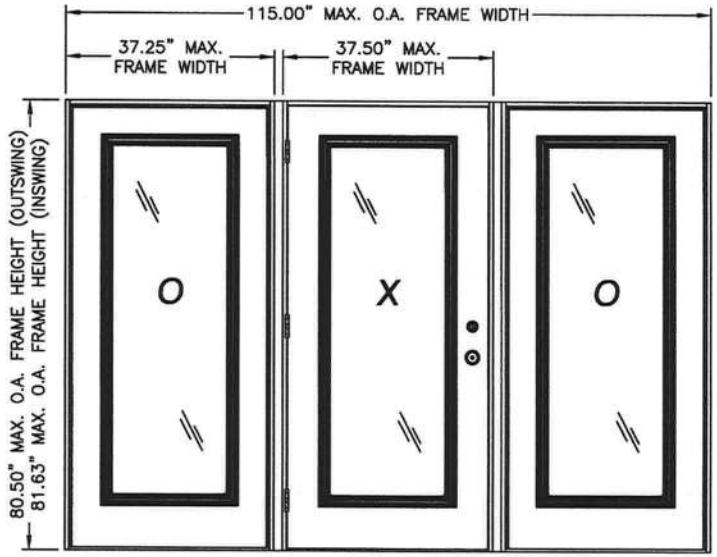
GLAZED FIBERGLASS SINGLE DOOR WITH SIDELITES INSWING/OUTSWING

NON-IMPACT

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 2007 Florida Building Code structural requirements excluding the "High Velocity Hurricane Zone". ⚠1
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the Florida Building Code. ⚠1
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS



SWING	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE	
				POSITIVE	NEGATIVE
INSWING	115.00" X 81.63"	20.50" X 62.75"	G1	+60.0	-60.0
OUTSWING	115.00" X 80.50"	20.50" X 62.75"		+60.0	-60.0

Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Haney P.E. No. 54158
3-19-08

PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR

PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS	BY
1	03/18/08	REVISE GENERAL NOTES TO 2007	ROF

DATE: 07/17/07
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: WWH
DRAWING NO.: FL-3549
SHEET 1 OF 8

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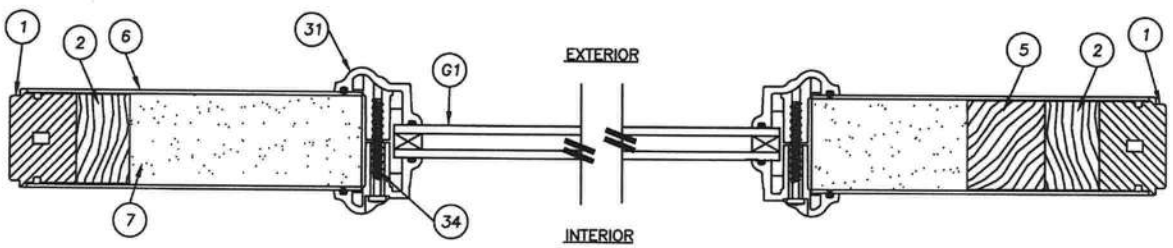
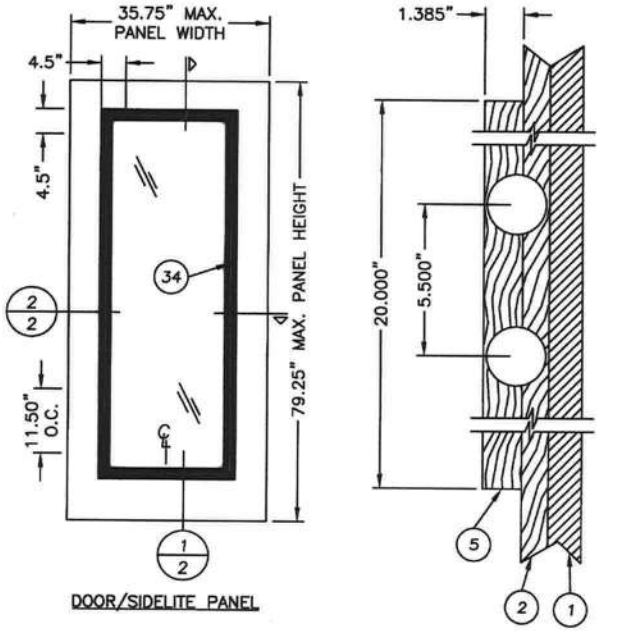
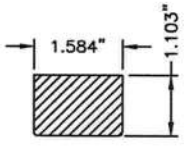


2/2 HORIZONTAL CROSS SECTION FIBERGLASS PANEL

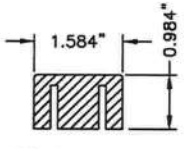


DOOR/SIDELITE PANEL

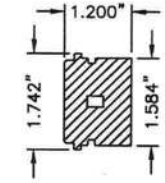
1/2/5 LOCK BLOCK DETAIL



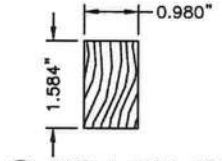
3 TOP RAIL



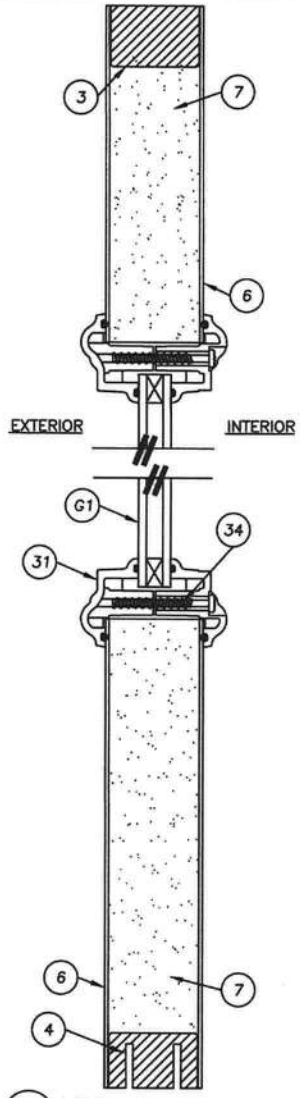
4 BOTTOM RAIL



1 HINGE & LATCH STILE EDGE



2 HINGE & LATCH STILE REINFORCEMENT



1/2 VERTICAL CROSS SECTION FIBERGLASS PANEL

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3-19-08

PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR

PART OR ASSEMBLY: PANEL DETAILS & COMPONENTS

NO.	DATE	REVISIONS	BY
1	03/18/08	REVISE GENERAL NOTES TO 2007	ROF

DATE: 07/17/07
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: WWH
DRAWING NO.: FL-3549
SHEET 2 OF 8

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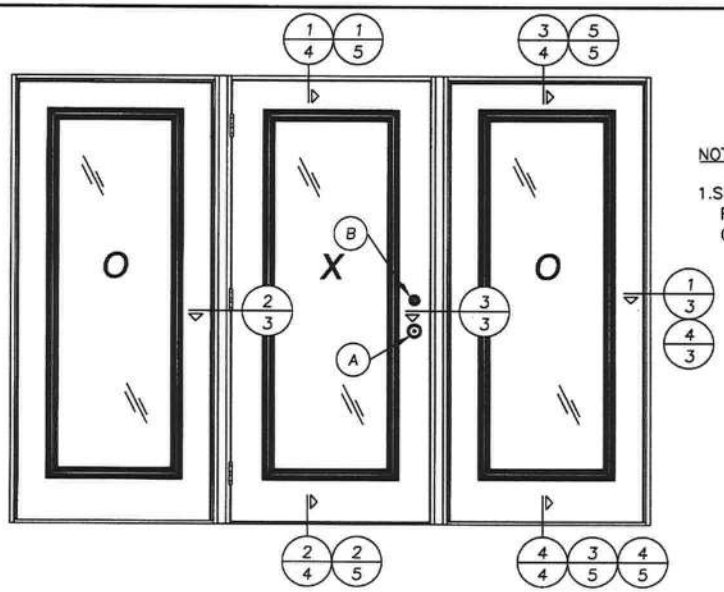
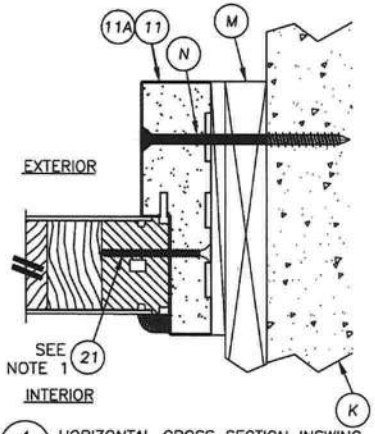
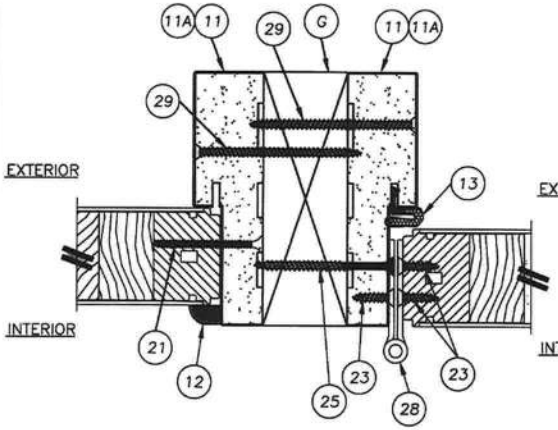


NOTE

1. SIDELITE PANELS ANCHORED TO FRAME 6" FROM TOP OF FRAME THEN 10" ON CENTER, (8) SCREWS TOTAL EACH JAMB.



4/3 HORIZONTAL CROSS SECTION INSWING
SHOWN W/1X SUB-BUCK SUBSTITUTING CONCRETE SCREWS FOR SCREWS PER SECTION 1714.5.4.2 OF THE FLORIDA BUILDING CODE.



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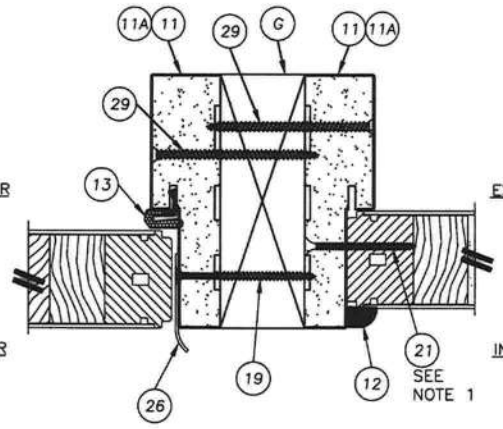
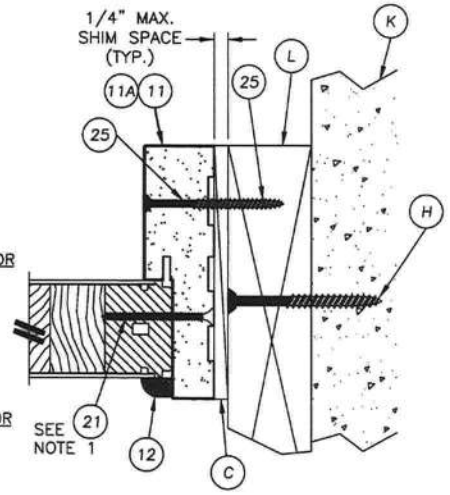


3/3 HORIZONTAL CROSS SECTION INSWING



1/3 HORIZONTAL CROSS SECTION INSWING

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3/9/08
Wendell W. Hoover, P.E. No. 54158

PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY
1	03/18/08	REVISE GENERAL NOTES TO 2007	ROF

DATE: 07/17/07
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: WWH
DRAWING NO.: FL-3549
SHEET 3 OF 8

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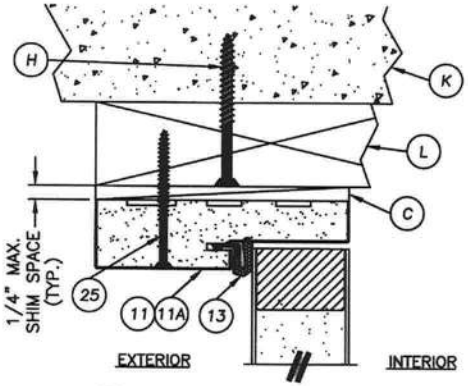
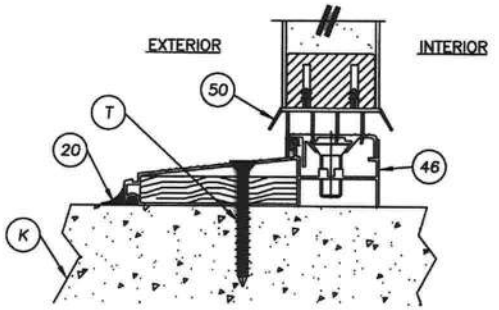
NOTE
1. SCREWS THRU FRAME INTO SIDELITE PANEL LOCATED 6" FROM CORNERS OF SIDELITE AND © CENTER LINE OF SIDELITE.



1/4 VERTICAL CROSS SECTION INSWING



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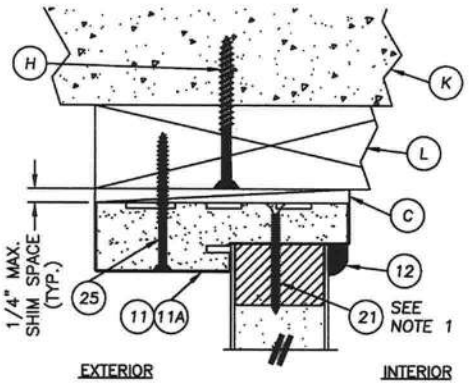
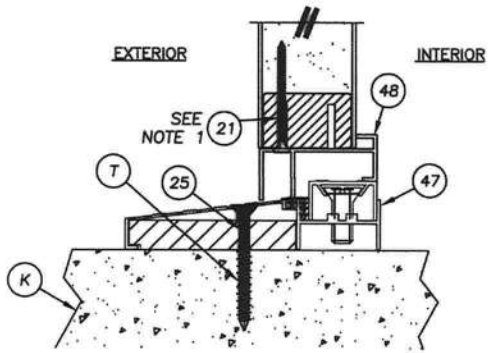


3/4 VERTICAL CROSS SECTION INSWING



4/4 VERTICAL CROSS SECTION INSWING

Documents Prepared By:
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Wendell W. Hoover PE No. 54158
3/19/08

PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO	DATE	REVISIONS	BY
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DATE: 07/17/07
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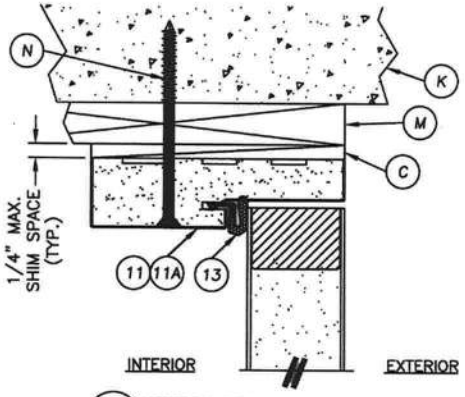
DRAWING NO.: FL-3549
SHEET 4 OF 8

R:\A - Projects\Project Folders\Proj 1201-1300\pf 1241\D. RWBC Drawings\NON-IMP BUILDERS HARDWARE NEW.dwg, 4OX0

NOTE
1. SCREWS THRU FRAME INTO SIDELITE PANEL LOCATED 6" FROM CORNERS OF SIDELITE AND ℄ CENTER LINE OF SIDELITE.



1/5 VERTICAL CROSS SECTION OUTSWING
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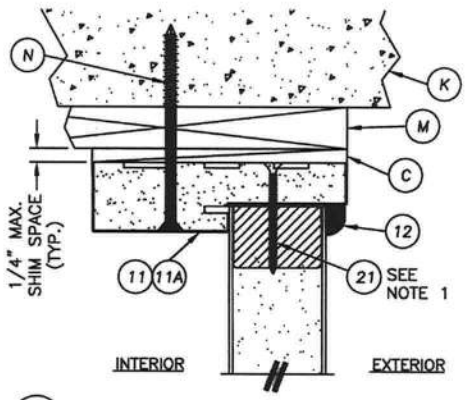

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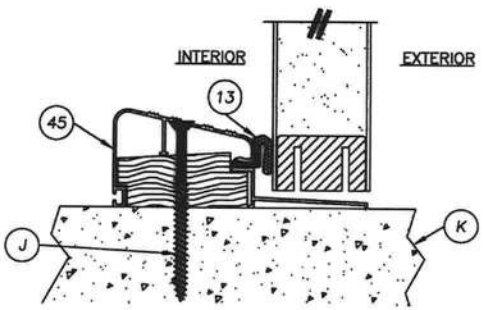

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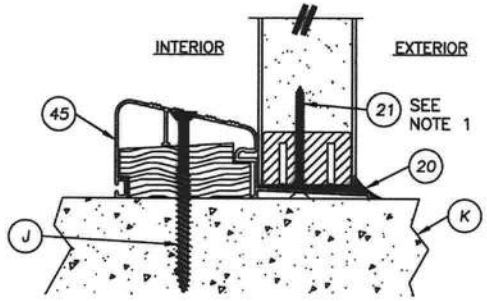
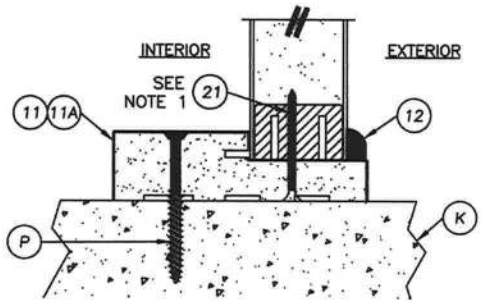


3/5 VERTICAL CROSS SECTION OUTSWING



4/5 VERTICAL CROSS SECTION FRAME OUTSWING ONLY

Documents Prepared By:
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Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Hayes, P.E. No. 54158
3-9-08

PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO	DATE	REVISIONS	BY
1	03/18/08	REVISE GENERAL NOTES TO 2007	ROF

DATE: 07/17/07
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: WWH
DRAWING NO.: FL-3549
SHEET 5 OF 8

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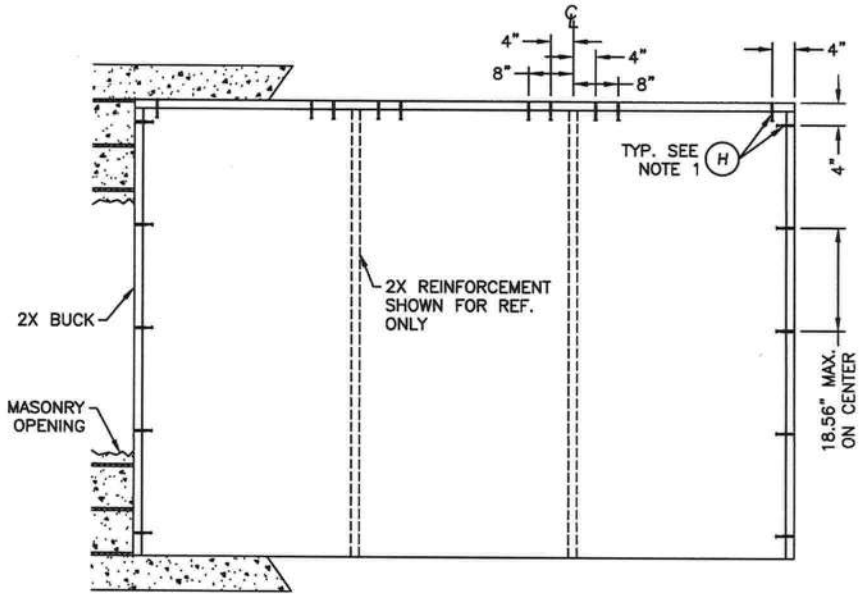

BUCK ANCHORING

NOTES:

1. *1/4" Elco Tapcon anchoring 2x buck require a minimum 1" clearance to masonry edges, a 1-1/4" minimum embedment and a minimum 4" clearance to adjacent tapcons. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Tapcon locations at the corners and mullions may be adjusted to maintain the minimum edge distance to mortar joints. If Tapcon locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, Additional Tapcons may be required to ensure the maximum on center dimension is not exceeded.*

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PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR

PART OR ASSEMBLY: BUCK ANCHORING

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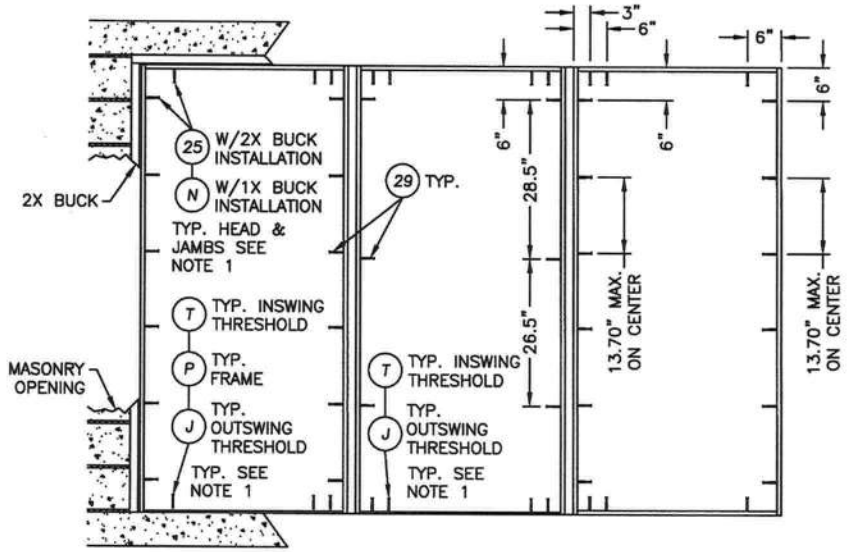
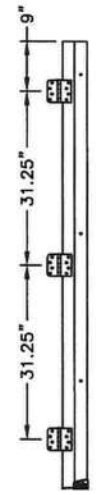
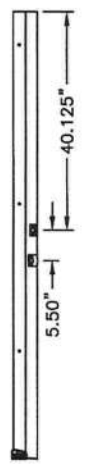
SHEET 6 OF 8



FRAME ANCHORING



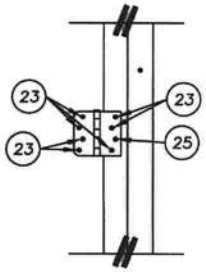
HINGE LOCATIONS



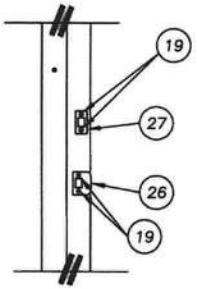
LATCH & DEADBOLT LOCATIONS – SGL DOOR

NOTES:

1. *1/4" ITW concrete screws anchoring frame and/or sill require a minimum 2–1/2" clearance to masonry edges, a 1–1/4" minimum embedment and a minimum 3" clearance to adjacent concrete screws. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Tapcon locations at the corners and mullions may be adjusted to maintain the minimum edge distance to mortar joints. If Tapcon locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, Additional Tapcons may be required to ensure the maximum on center dimension is not exceeded*



HINGE DETAIL



STRIKE PLATE DETAIL

Documents Prepared By:
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PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR

PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	REVISIONS	BY
1	03/18/08	REVISE GENERAL NOTES TO 2007	ROF

DATE: 07/17/07
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: WWH
DRAWING NO.: FL–3549
SHEET 7 OF 8

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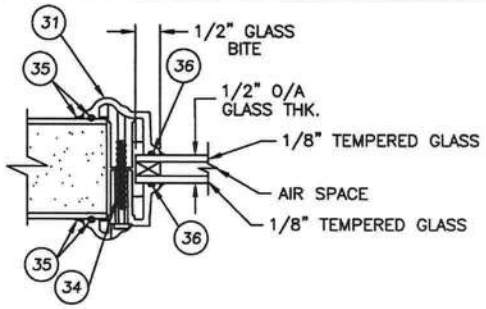
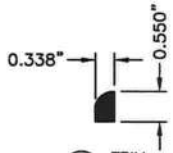
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	YALE CIRRUS 100C PASSAGE LOCK	STEEL
	YALE CIRRUS 10CB PASSAGE LOCK	STEEL
	KWIKSET TITAN PASSAGE LOCK	STEEL
	BHI #902 PASSAGE LOCK	STEEL
B	YALE 820 DEADBOLT	STEEL
	YALE 83 DEADBOLT	STEEL
	KWIKSET TITAN DEADBOLT	STEEL
	BHI #200 DEADBOLT	STEEL
C	1/4" MAX. SHIM SPACE	–
G	2X REINFORCEMENT (CLEAR PINE) SG≥.42	WOOD
H	1/4" X 2-3/4" ELCO TAPCON	STEEL
J	1/4" X 3-1/4" ITW TAPCON	STEEL
K	MASONRY – 3,192 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	MASONRY
L	2X BUCK SG≥.55	WOOD
M	1X BUCK	WOOD
N	1/4" X 3-3/4" ITW TAPCON	STEEL
P	1/4" X 2-3/4" ITW TAPCON	STEEL
R	3/16" X 3-1/4" ITW TAPCON	STEEL
T	1/4" X 2-1/4" ITW TAPCON	STEEL
1	HINGE & LATCH STILE EDGE	COMPOSITE
2	HINGE & LATCH STILE REINFORCEMENT	WOOD
3	TOP RAIL	COMPOSITE
4	BOTTOM RAIL	COMPOSITE
5	LOCK BLOCK	WOOD
6	DOOR SKIN (0.069" THK.) PLAST PRO/NANYA Fy= 11,063 PSI	FIBERGLASS
7	FOAM CORE	POLYURETHANE
11	POLYFIBER COMPOSITE JAMB	POLYFIBER
11A	JAMB FINGER-JOINT-PINE	WOOD
12	TRIM	–
13	WEATHERSTRIP	FOAM
19	#8 X 2-1/2" PFH WOOD SCREW	STEEL
20	SEALANT	SILICONE
21	#7 X 2" PFH DRYWALL SCREW	STEEL
23	#10 X 3/4", PFH SCREW	STEEL
25	#10 X 2-1/2" PFH WOOD SCREW	STEEL
26	LATCH STRIKE PLATE	STEEL
27	DEADBOLT STRIKE PLATE	STEEL
28	4" HINGE	STEEL
29	#10 X 3" PFH SCREW	STEEL
31	TRADITIONAL DOOR GLASS FRAME – HP POLYPROPYLENE (ODL)	POLYMER
34	#8 X 1-1/2" PPH SCREW	STEEL
35	PF-1200	P/MERIC FOAM
36	GLAZING COMPOUND – FOR ODL BY ADCO	BUTYL
37	SCREW PLUG	POLYMER
45	OUTSWING THRESHOLD BY DLP	ALUM./WOOD
46	INSWING THRESHOLD BY DLP	ALUMINUM
47	INSWING THRESHOLD SIDELITE BY DLP	ALUMINUM
48	SIDELITE SPACER	POLY./TPE
49	3/8-16NC X 3/4" PFH SCREW	STEEL
50	DOOR SWEEP	–



G1 GLAZING DETAIL 1/2" THK. GLASS



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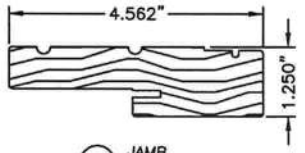
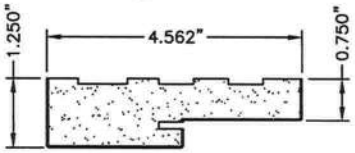
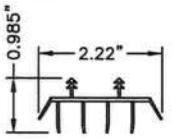


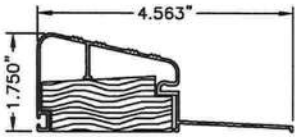
11A JAMB



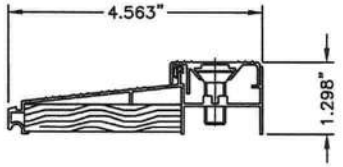
11 POLYFIBER JAMB



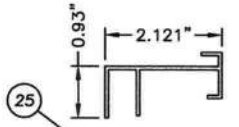
50 DOOR SWEEP



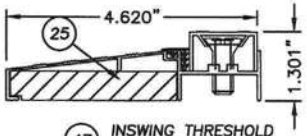
45 OUTSWING THRESHOLD



46 INSWING THRESHOLD



48 SATELITE SPACER



47 INSWING THRESHOLD

Documents Prepared By:
R|W BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell W. Hicks, P.E. No. 54158
3/7/08

PRODUCT: BUILDERS HARDWARE FIBERGLASS DOOR

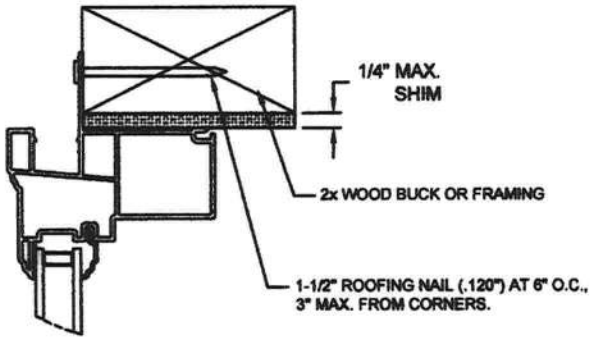
PART OR ASSEMBLY: BILL OF MATERIALS, GLAZING DETAIL & COMPONENTS

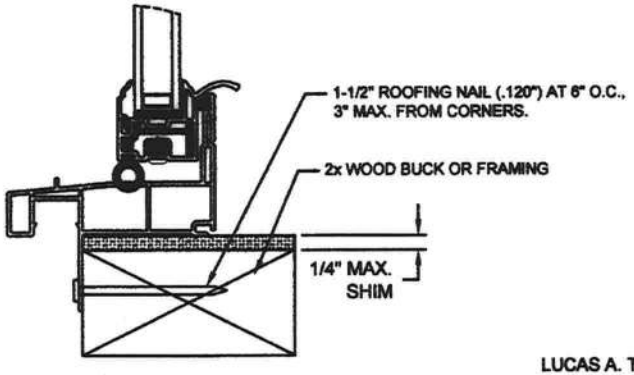
NO.	DATE	REVISIONS	BY
1	03/18/08	REVISE GENERAL NOTES TO 2007	ROF

DATE: 07/17/07
SCALE: N.T.S.
DWG. BY: AP
CHK. BY: WWH
DRAWING NO.: FL-3549
SHEET 8 OF 8

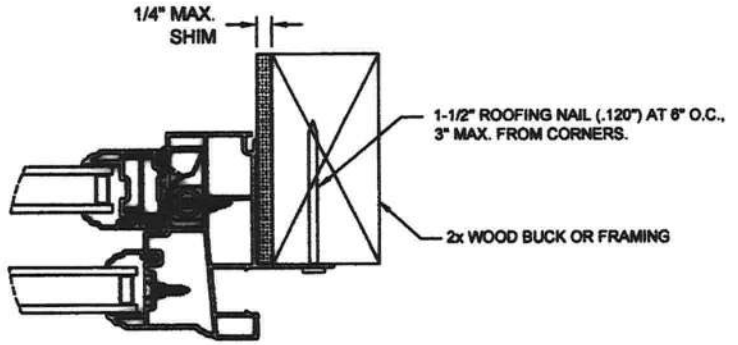
R:\A - Projects\Project Folders\Proj 1201-1300\pf 1241\D. RWBC Drawings\NON-IMP BUILDERS HARDWARE NEW.dwg, 8OXO

TYPICAL HEAD ANCHORAGE DETAILS





TYPICAL SILL ANCHORAGE DETAILS



TYPICAL JAMB ANCHORAGE DETAILS

SEE GENERAL NOTES SHEET 2.

12/23/08

LUCAS A. TURNER, P.E. PE #58201 PGT INDUSTRIES, 1070 TECHNOLOGY DRIVE, NORTH VENICE, FL 34275 941-480-1600

LUCAS ANDREW TURNER LICENSE No 58201 STATE OF FLORIDA PROFESSIONAL ENGINEER

Revisions:	Tolerances Unless Noted: Fractional: ± Decimal .XX: ± .01 Decimal .XXX: ± .005 Angular: ±	THE INFORMATION, DESIGN OR DATA CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF PGT INDUSTRIES AND CONSIDERED CONFIDENTIAL AND PROPRIETARY NO PORTION OF THIS DOCUMENT MAY BE USED OR REPRODUCED IN ANY FORM WITHOUT THE EXPRESSED WRITTEN PERMISSION OF PGT INDUSTRIES.	PGT Visibly Better
	Series/Model: SH-2100		
Material: VINYL	Description: VINYL SINGLE HUNG I.F. WDW ANCHORAGE		Size: B
Reviewed By: Date: Chkd By: Date:			
Drawn By: D.G. Date: 10/10/08	PGT NO: VENDOR NO: Scale: N.T.S. Sheet: 1 of 2 Drawing No.		Rev:

GENERAL NOTES :

1) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO COMPLY WITH THE FLORIDA BUILDING CODE 2007 EDITION FOR THE DESIGN PRESSURES LISTED IN THE APPLICABLE PRODUCT TEST REPORTS.

2) REFERENCE TEST REPORTS: ATI 79777.01 AND 85559.01

3) STRUCTURAL INTEGRITY AND ATTACHMENT METHOD OF WOOD BUCKS OR FRAMING SHALL BE DETERMINED BY OTHERS.

4) MINIMUM EDGE DISTANCE FROM CENTER OF ANCHOR TO SUBSTRATE EDGE (EXCLUDING FINISH OR STUCCO) IS 3/8" FOR ANCHORAGE THROUGH FIN INTO WOOD.

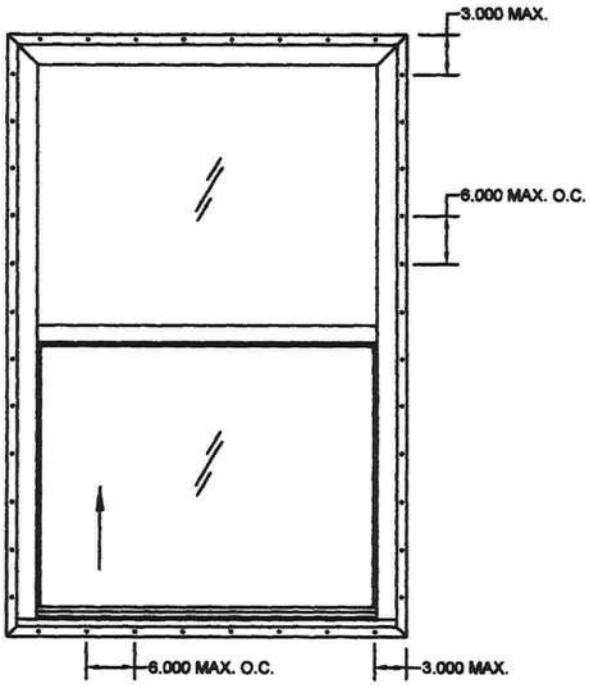
5) SHIM EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE, USING SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.

6) ANCHORS SHALL BE COATED OR CORROSION RESISTANT AS APPROPRIATE FOR SUBSTRATE MATERIAL. DISSIMILAR MATERIALS SHALL BE PROTECTED AS REQUIRED TO PREVENT REACTIONS.

7) ADHESIVE SEALANT SHALL BE USED BETWEEN SUBSTRATE AND FIN. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS.

8) MATERIALS USED FOR ANCHOR EVALUATIONS WAS SOUTHERN PINE.

9) THE 1/3 STRESS INCREASE WAS NOT USED IN THIS ANCHOR EVALUATION. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF WOOD SCREWS.



THROUGH NAIL FIN MAX. SPACING

LUCAS A. TURNER, P.E. PE #58201 PGT INDUSTRIES, 1070 TECHNOLOGY DRIVE, NORTH VENICE, FL 34275 941-480-1600

LUCAS ANDREW TURNER LICENSE No 58201 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/23/08

Revisions:	Tolerances Unless Noted: Fractions: ± Decimal .00: ± Decimal .000: ± .005 Angular: ±		PGT Visibly Better
	Series/Model: SH-2100		
Material: VINYL		Description: VINYL SINGLE HUNG I.F. WDW ANCHORAGE	Size: B
Reviewed By: Date: Chkd By: Date: Drawn By: D.G. Date: 10/20/08	PGT NO: VENDOR NO:	Scale: N.T.S. Sheet: 2 of 2 Drawing No.	Rev:

Architectural Testing

AAMA/WDMA/CSA 101/I.S.2/A440-05 AND ANSI/AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

PGT INDUSTRIES

SERIES/MODEL: SH-2100
PRODUCT TYPE: PVC Single Hung Window

This report contains in its entirety:

Cover Page:	**1 page**
Report Body:	**20 pages**
Drawings:	**15 pages**

Report No.:	**79777.01-401-44**
Revision 1:	**02/05/08**
Test Dates:	**01/10/08**
Through:	**01/18/08**
Report Date:	**01/24/08**
Expiration Date:	**01/18/12**

2250 Massaro Blvd
Tampa, FL 33619
phone: 813-628-4300
fax: 813-628-4433
www.archtest.com

Architectural Testing

Summary of Results

	Summary of Results		
Title	**Test Specimen #1**	**Test Specimen #2**	**Test Specimen #3**
AAMA/WDMA/CSA 101/I.S.2/A440-05 Rating	H-R35 1207 x 1867 (48 x 74)	H-R35 1207 x 1867 (48 x 74)	H-R35 1207 x 1867 (48 x 74)
ANSI/AAMA/NWWDA 101/I.S.2-97 Rating	H-R35 48 x 74	H-R35 48 x 74	H-R35 48 x 74
Design Pressure	1680 Pa (35.11psf)	1680 Pa (35.11 psf)	1680 Pa (35.11 psf)
Operating Force (in motion)	71 N (16 lbf)	N/A	N/A
Air Infiltration	0.05 L/s/m^2 (<0.01 cfm/ft^2)	N/A	N/A
Water Penetration Resistance Test Pressure	360 Pa (7.52 psf)	N/A	N/A
Uniform Load Structural Test Pressure	±2520 Pa (±52.66 psf)	±2520 Pa (±52.66 psf)	±2520 Pa (±52.66 psf)
Forced Entry Resistance	Grade 10	N/A	N/A

	Summary of Results		
Title	**Test Specimen #4**	**Test Specimen #5**	**Test Specimen #6**
AAMA/WDMA/CSA 101/I.S.2/A440-05 Rating	H-R50* 902 x 1867 (36 x 74)	H-R50* 902 x 1867 (36 x 74)	H-R50* 902 x 1867 (36 x 74)
ANSI/AAMA/NWWDA 101/I.S.2-97 Rating	H-R50* 36 x 74	H-R50* 36 x 74	H-R50* 36 x 74
Design Pressure	2400 Pa (50.16 psf)	2400 Pa (50.16 psf)	2400 Pa (50.16 psf)
Operating Force (in motion)	N/A	N/A	N/A
Air Infiltration	N/A	N/A	N/A
Water Penetration Resistance Test Pressure	N/A	N/A	N/A
Uniform Load Structural Test Pressure	±3600 Pa (±75.24 psf)	±3600 Pa (±75.24 psf)	±3600 Pa (±75.24 psf)
Forced Entry Resistance	N/A	N/A	N/A

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Architectural Testing

Summary of Results
(Continued)

	Summary of Results		
Title	**Test Specimen #7**	**Test Specimen #8**	**Test Specimen #9**
AAMA/WDMA/CSA 101/I.S.2/A440-05 Rating	H-R35 3340 x 1867 (132 x 74)	H-R35 3340 x 1867 (132 x 74)	H-R35 3340 x 1867 (132 x 74)
ANSI/AAMA/NWWDA 101/I.S.2-97 Rating	H-R35 132 x 74	H-R35 132 x 74	H-R35 132 x 74
Design Pressure	1680 Pa (35.11 psf)	1680 Pa (35.11 psf)	1680 Pa (35.11 psf)
Operating Force (in motion)	71 N (16 lbf)	N/A	N/A
Air Infiltration	0.46 L/s/m^2 (0.09 cfm/ft^2)	N/A	N/A
Water Penetration Resistance Test Pressure	260 Pa (5.43 psf)	N/A	N/A
Uniform Load Structural Test Pressure	±2520 Pa (±52.66 psf)	±2520 Pa (±52.66 psf)	±2520 Pa (±52.66 psf)
Forced Entry Resistance	Grade 10	N/A	N/A

Test Completion Date: 01/18/08

Reference must be made to Report No. 79777.01-401-44, dated 01/24/08 for complete test specimen description and data.

Architectural Testing

AAMA/WDMA/CSA 101/I.S.2/A440-05 and ANSI/AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

PGT INDUSTRIES
1070 Technology Drive P.O. 1529
North Venice, Florida 34275

Report No.:	79777.01-401-44
Revision 1:	02/05/08
Test Dates:	01/10/08
Through:	01/18/08
Report Date:	01/24/08
Expiration Date:	01/18/12

Project Summary: Architectural Testing, Inc. was contracted by PGT Industries to perform and witness testing on nine (9) Series/Model SH-2100, PVC single hung windows and PVC triple mulled with continuous head and sill single hung windows at Architectural Testing Inc. test facility in Tampa, Florida and PGT Industries test facility in North Venice, Florida. Test specimen description and results are reported herein. The samples were provided by the client. The samples tested successfully met the performance requirements for the following ratings:

Test Specimen No.	AAMA/WDMA/CSA 101/I.S.2/A440-05 Rating	ANSI/AAMA/NWWDA 101/I.S.2-97 Rating
1	H-R35 1207 x 1867 (48 x 74)	H-R35 48 x 74
2	H-R35 1207 x 1867 (48 x 74)	H-R35 48 x 74
3	H-R35 1207 x 1867 (48 x 74)	H-R35 48 x 74
4	H-R50* 902 x 1867 (36 x 74)	H-R50* 36 x 74
5	H-R50* 902 x 1867 (36 x 74)	H-R50* 36 x 74
6	H-R50* 902 x 1867 (36 x 74)	H-R50* 36 x 74
7	H-R35 3340 x 1867 (132 x 74)	H-R35 132 x 74
8	H-R35 3340 x 1867 (132 x 74)	H-R35 132 x 74
9	H-R35 3340 x 1867 (132 x 74)	H-R35 132 x 74

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

Test Specifications: The test specimens were evaluated in accordance with the following:

AAMA/WDMA/CSA 101/I.S.2/A440-05, *Standard/Specification for Windows, Doors, and Unit Skylights.*

ANSI/AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

Test Specimen Description:

Series/Model: SH-2100

Product Type: PVC Single Hung Windows

Test Specimen #1: (Cottage Window)

Overall Size: 1207 mm (47-1/2") wide by 1867 mm (73-1/2") high

Sash Size: 1127 mm (44-5/16") wide by 1076 mm (42-3/8") high

Fixed Daylight Opening Size: 1129 mm (42-1/2") wide by 663 mm (26-1/8") high

Screen Size: 1109 mm (43-5/8") wide by 1069 mm (42-1/16") high

Overall Area: 2.3 m^2 (24.2 ft^2)

Test Specimen #2: (Equal Lite Window)

Overall Size: 1207 mm (47-1/2") wide by 1867 mm (73-1/2") high

Sash Size: 1127 mm (44-5/16") wide by 904 mm (35-9/16") high

Fixed Daylight Opening Size: 1130 mm (42-1/2") wide by 817 mm (32-15/16") high

Screen Size: 1109 mm (43-5/8") wide by 897 mm (35-5/16") high

Overall Area: 2.3 m^2 (24.2 ft^2)

Test Specimen Description: (Continued)

Test Specimen #3: (Oriel Window)

Overall Size: 1207 mm (47-1/2") wide by 1867 mm (73-1/2") high

Sash Size: 1127 mm (44-5/16") wide by 731 mm (28-13/16") high

Fixed Daylight Opening Size: 1130 mm (42-1/2") wide by 1009 mm (39-3/4") high

Screen Size: 1109 mm (43-5/8") wide by 724 mm (28-1/2") high

Overall Area: 2.3 m^2 (24.2 ft^2)

Test Specimen #4: (Cottage Window Downsize)

Overall Size: 902 mm (35-1/2") wide by 1867 mm (73-1/2") high

Sash Size: 822 mm (32-5/16") wide by 1076 mm (42-3/8") high

Fixed Daylight Opening Size: 774 mm (30-1/2") wide by 664 mm (26-1/8") high

Screen Size: 804 mm (31-11/16") wide by 1069 mm (42-1/8") high

Overall Area: 1.7 m^2 (18.1 ft^2)

Test Specimen #5: (Equal Lite Window Downsize)

Overall Size: 902 mm (35-1/2") wide by 1867 mm (73-1/2") high

Sash Size: 822 mm (32-3/8") wide by 9.4 mm (35-9/16") high

Fixed Daylight Opening Size: 774 mm (30-1/2") wide by 837 mm (32-15/16") high

Screen Size: 804 mm (31-11/16") wide by 897 mm (35-5/16") high

Overall Area: 1.7 m^2 (18.1 ft^2)

Test Specimen Description: (Continued)

Test Specimen #6: (Oriel Window Downsize)

Overall Size: 902 mm (35-1/2") wide by 1867 mm (73-1/2") high

Sash Size: 822 mm (32-5/16") wide by 731 mm (28-13/16") high

Fixed Daylight Opening Size: 804 mm (30-1/2") wide by 1009 mm (39-3/4") high

Screen Size: 804 mm (31-11/16") wide by 724 mm (28-1/2") high

Overall Area: 1.7 m^2 (18.1 ft^2)

Series/Model: SH-2100

Product Type: PVC Triple Mulled with Continuous Head and Sill Single Hung Windows

Test Specimen #7: (Cottage Windows 3'0-4'0-4'0)

Overall Size: 3340 mm (131-1/2") wide by 1867 mm (73-1/2") high

Sash Size (1): 822 mm (32-5/16") wide by 1076 mm (42-3/8") high

Sash Size (2): 1127 mm (44-5/16") wide by 1076 mm (42-3/8") high

Fixed Daylight Opening Size (1):774 mm (30-1/2") wide by 664 mm (26-1/8") high

Fixed Daylight Opening Size (2):1079 mm (42-1/2") wide by 664 mm (26-1/8") high

Screen Size (1): 804 mm (31-11/16") wide by 1069 mm (42-1/16") high

Screen Size (2): 1109 mm (43-11/16") wide by 1069 mm (42-1/16") high

Overall Area: 6.2 m^2 (67.1 ft^2)

Test Specimen Description: (Continued)

Test Specimen #8: (Equal Lite Windows 3'0-4'0-4'0)

Overall Size: 3340 mm (131-1/2") wide by 1867 mm (73-1/2") high

Sash Size (1): 822 mm (32-5/16") wide by 904 mm (35-9/16") high

Sash Size (2): 1127 mm (44-3/8") wide by 904 mm (35-9/16") high

Fixed Daylight Opening Size (1):774 mm (30-1/2") wide by 837 mm (32-15/16") high

Fixed Daylight Opening Size (2):1079mm (42-1/2") wide by 837mm (32-15/16") high

Screen Size (1): 804 mm (31-11/16") wide by 897 mm (35-5/16") high

Screen Size (2): 1109 mm (43-11/16") wide by 897 mm (35-5/16") high

Overall Area: 6.2 m^2 (67.1 ft^2)

Test Specimen #9: (Oriel Windows 3'0-4'0-4'0)

Overall Size: 3340 mm (131-1/2") wide by 1867 mm (73-1/2") high

Sash Size (1): 822 mm (32-5/16") wide by 731 mm (28-13/16") high

Sash Size (2): 1127 mm (44-5/16") wide by 731 mm (28-13/16") high

Fixed Daylight Opening Size (1):774mm (30-1/2") wide by 1009mm (39-3/4") high

Fixed Daylight Opening Size (2):1079mm (42-1/2") wide by 1009mm (39-3/4") high

Screen Size (1): 804 mm (31-11/16") wide by 724 mm (28-1/2") high

Screen Size (2): 1109 mm (43-11/16") wide by 724 mm (28-1/2") high

Overall Area: 6.2 m^2 (67.1 ft^2)

The following descriptions apply to all specimens.

Finish: All PVC was white.

Test Specimen Description: (Continued)

Frame Construction: The frame was constructed of extruded vinyl with mitered and welded corners. The fixed meeting rail was secured utilizing a PVC mounting bracket. The mounting bracket was secured to the fixed meeting rail with two (2) #8 x 1" flat head screws located through the mounting bracket into the fixed meeting rail screw boss. The mounting brackets were than secured to the jambs with two (2) #8 x 1" flat head screws through the mounting bracket into the jambs.

The triple mulled with continuous head and sill units utilized PVC integral mullions secured at the head and sill with four (4) #8 x 1-1/2" pan head screws located through the head and sill into the mullion integral screw boss.

Sash Construction: The sashes were constructed of extruded vinyl with mitered and welded corners.

Weatherstripping:

Description	Quantity	Location
0.270" high by 0.187" backed polypile with center fin	1 Row	Interior vertical sill leg, interior meeting rail and fixed interlock
½" round foam filled vinyl bulb seal	1 Row	Bottom rail
0.270" high by 0.187" backed polypile with center fin	2 Row	Stiles

Glazing Details: The active sash and fixed lite utilized 3/4" thick, insulating glass fabricated from two sheets of 1/8" thick, clear annealed glass and a silicone foam spacer system. The active sash was exterior glazed onto a single part hot melt and secured with vinyl snap in glazing beads the fixed lites were interior glazed onto a single part hot melt and secured with vinyl snap in glazing beads.

Drainage:

Description	Quantity	Location
Sloped sill	1	Length of sill
1/8" wide by ½" long weephole	2	3-1/2" from bottom rail ends

Test Specimen Description: (Continued)

Hardware:

Description	Quantity	Location
Metal sweep locks with keepers	2 per sash	9" from meeting rail ends
downsize units (7417, 79312)	1 per sash	midspan of active meeting rail
PVC tilt latches (7SC1R, 7SC1L)	2 per sash	Active meeting rail ends
Metal tilt pins (723188)	2 per sash	Bottom rail ends
Balance assembly (BSI777)	2	One per jamb

Reinforcement: The active sash stiles utilized an aluminum reinforcement (drawing #2147). The fixed meeting rail utilized an aluminum reinforcement (drawing #2142). The active meeting rail utilized an aluminum reinforcement (drawing #2141). The bottom rail utilized an aluminum reinforcement (drawing #2146). The integral mullions utilized two (2) aluminum reinforcements (drawing #2145)

Screen Construction: The screens frame was constructed of roll formed aluminum with PVC keyed corners. The fiberglass mesh screening was secured with a wrap around flexible vinyl gasket.

Installation: The windows were installed into a #2 Southern Yellow Pine wood double buck. The single hung units' utilized nail-fins that were back bedded in silicone and secured with 1-1/2" roofing nails located typically 3" from corners and 6" on center. The mulled continuous head and sill single hung windows utilized nail-fins that were back bedded in silicone and secured with 1-1/2" roofing nails located typically 3" from corners and 6" on center.

Test Results: The temperature during testing was 20.2°C (68.4°F). The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: (Cottage Window)			
5.3.1	Operating Force per ASTM E 2068		
2.2.1.6.1	Initiate motion	71 N (16 lbf)	200 N (45 lbf)
	Maintain motion	45 N (10 lbf)	135 N (30 lbf)
	Locks	13 N (3 lbf)	100 N (22.5 lbf)

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: (Cottage Window) (Continued)			
5.3.2.1 2.1.2	Air Leakage Resistance per ASTM E 283 75 Pa (1.6 psf)	<0.05 L/s/m^2 (<0.01 cfm/ft^2)	1.5 L/s/m^2 (0.3 cfm/ft^2) max.

***Note #1**: The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440-05 and ANSI/AAMA/NWWDA 101/I.S.2-97 for air leakage resistance.*

5.3.3.2 2.1.3	Water Penetration Resistance per ASTM E 547	See Note #2
5.3.4.2 2.1.4.1	Uniform Load Deflection per ASTM E 330	See Note #2
5.3.4.3 2.1.4.2	Uniform Load Structural per ASTM E 330	See Note #2

***Note #2**: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".*

5.3.5 2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Disassembly Test	No entry	No entry
	Test A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Sash Manipulation Test	No entry	No entry
	Lock Hardware Manipulation Test	No entry	No entry
5.3.6.2 2.1.7	Thermoplastic Corner Weld Test	Meets as stated	Meets as stated

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: (Cottage Window) (Continued)			
5.3.6.3 2.2.1.1.2	Deglazing Test In operating direction - 320 N (70 lbf)		
	Active meeting rail	4.3 mm (0.17")	11 mm (0.43")
	Bottom rail	4.1 mm (0.16")	11 mm (0.43")
	In remaining direction - 230 N (50 lbf)		
	Right stile	1.8 mm (0.07")	11 mm (0.43")
	Left stile	2.3 mm (0.09")	11 mm (0.43")
Optional Performance			
4.4.2.6 4.3	Water Penetration Resistance per ASTM E 547 (with and without insect screen) 360 Pa (7.52 psf)	No leakage	No leakage
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	7.9 mm (0.31")	See Note #3
	1680 Pa (35.11 psf) (negative)	8.9 mm (0.35")	See Note #3
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the stile midspan) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	23.4 mm (0.92")	See Note #3
	1680 Pa (35.11 psf) (negative)	19.1 mm (0.75")	See Note #3
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	0.25 mm (0.01")	4.1 mm (0.16") max.
	2520 Pa (52.66 psf) (negative)	0.51 mm (0.02")	4.1 mm (0.16") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the stile midspan) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	3.3 mm (0.13")	4.1 mm (0.16") max.
	2520 Pa (52.66 psf) (negative)	4.1 mm (0.16")	4.1 mm (0.16") max.

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #2: (Equal Lite Window)			
Optional Performance			
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	9.1 mm (0.36")	See Note #3
	1680 Pa (35.11 psf) (negative)	9.4 mm (0.37")	See Note #3
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the bottom rail) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	7.9 mm (0.31")	See Note #3
	1680 Pa (35.11 psf) (negative)	10.7 mm (0.42")	See Note #3
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the stile midspan) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	5.8 mm (0.23")	See Note #3
	1680 Pa (35.11 psf) (negative)	6.9 mm (0.27")	See Note #3
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	0.51 mm (0.02")	4.1 mm (0.16") max.
	2520 Pa (52.66 psf) (negative)	0.25 mm (0.01")	4.1 mm (0.16") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the bottom rail) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	1.0 mm (0.04")	4.1 mm (0.16") max.
	2520 Pa (52.66 psf) (negative)	0.76 mm (0.03")	4.1 mm (0.16") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	1.5 mm (0.06")	4.1 mm (0.14") max.
	2520 Pa (52.66 psf) (negative)	0.76 mm (0.03")	4.1 mm (0.14") max.

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #3: (Oriel Window)			
Optional Performance			
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	8.6 mm (0.34")	See Note #3
	1680 Pa (35.11 psf) (negative)	8.9 mm (0.35")	See Note #3
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the bottom rail) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	3.8 mm (0.15")	See Note #3
	1680 Pa (35.11 psf) (negative)	10.7 mm (0.42")	See Note #3
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the stile midspan) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	8.1 mm (0.32")	See Note #3
	1680 Pa (35.11 psf) (negative)	4.8 mm (0.19")	See Note #3
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	0.51 mm (0.02")	4.1 mm (0.16") max.
	2520 Pa (52.66 psf) (negative)	0.51 mm (0.02")	4.1 mm (0.16") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the bottom rail) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	0.25 mm (0.01")	4.1 mm (0.16") max.
	2520 Pa (52.66 psf) (negative)	0.51 mm (0.02")	4.1 mm (0.16") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the stile midspan) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	0.76 mm (0.03")	4.1 mm (0.16") max.
	2520 Pa (52.66 psf) (negative)	0.76 mm (0.03")	4.1 mm (0.16") max.

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #4: (Cottage Window Downsize one lock)			
Optional Performance			
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 10 seconds)		
	2400 Pa (50.16 psf) (positive)	4.3 mm (0.17")	See Note #3
	2400 Pa (50.16 psf) (negative)	4.3 mm (0.17")	See Note #3
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	3600 Pa (75.24 psf) (positive)	0.25 mm (0.01")	3.1 mm (0.12") max.
	3600 Pa (75.24 psf) (negative)	0.25 mm (0.01")	3.1 mm (0.12") max.
Test Specimen #5: (Equal Window Downsize one lock)			
Optional Performance			
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 10 seconds)		
	2400 Pa (50.16 psf) (positive)	4.6 mm (0.18")	See Note #3
	2400 Pa (50.16 psf) (negative)	4.8 mm (0.19")	See Note #3
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the bottom rail) (Loads were held for 10 seconds)		
	2400 Pa (50.16 psf) (positive)	5.1 mm (0.20")	See Note #3
	2400 Pa (50.16 psf) (negative)	3.1 mm (0.12")	See Note #3
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the stile midspan) (Loads were held for 10 seconds)		
	2400 Pa (50.16 psf) (positive)	3.3 mm (0.13")	See Note #3
	2400 Pa (50.16 psf) (negative)	3.6 mm (0.14")	See Note #3

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #5: (Equal Window Downsize one lock) (Continued)			
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	3600 Pa (75.24 psf) (positive)	0.25 mm (0.01")	3.3 mm (0.13") max.
	3600 Pa (75.24 psf) (negative)	0.25 mm (0.01")	3.3 mm (0.13") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the bottom rail) (Loads were held for 10 seconds)		
	3600 Pa (75.24 psf) (positive)	0.51 mm (0.02")	3.1 mm (0.12") max.
	3600 Pa (75.24 psf) (negative)	0.25 mm (0.01")	3.1 mm (0.12") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the stile midspan) (Loads were held for 10 seconds)		
	3600 Pa (75.24 psf) (positive)	0.51 mm (0.02")	3.6 mm (0.14") max.
	3600 Pa (75.24 psf) (negative)	0.25 mm (0.01")	3.6 mm (0.14") max.
Test Specimen #6: (Oriel Window Downsize one lock)			
Optional Performance			
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 10 seconds)		
	2400 Pa (50.16 psf) (positive)	5.8 mm (0.23")	See Note #3
	2400 Pa (50.16 psf) (negative)	5.1 mm (0.20")	See Note #3
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the bottom rail) (Loads were held for 10 seconds)		
	2400 Pa (50.16 psf) (positive)	2.8 mm (0.11")	See Note #3
	2400 Pa (50.16 psf) (negative)	2.3 mm (0.09")	See Note #3
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the stile midspan) (Loads were held for 10 seconds)		
	2400 Pa (50.16 psf) (positive)	3.1 mm (0.12")	See Note #3
	2400 Pa (50.16 psf) (negative)	3.6 mm (0.14")	See Note #3

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #6: (Equal Window Downsize one lock) (Continued)			
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	3600 Pa (75.24 psf) (positive)	0.25 mm (0.01")	3.1 mm (0.12") max.
	3600 Pa (75.24 psf) (negative)	0.25 mm (0.01")	3.1 mm (0.12") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the bottom rail) (Loads were held for 10 seconds)		
	3600 Pa (75.24 psf) (positive)	1.0 mm (0.04")	3.1 mm (0.12") max.
	3600 Pa (75.24 psf) (negative)	0.25 mm (0.01")	3.1 mm (0.12") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the stile midspan) (Loads were held for 10 seconds)		
	3600 Pa (75.24 psf) (positive)	0.25 mm (0.01")	3.1 mm (0.12") max.
	3600 Pa (75.24 psf) (negative)	0.25 mm (0.01")	3.1 mm (0.12") max.
Test Specimen #7: (Cottage Triple Mulled Single Hung Window)			
5.3.1	Operating Force per ASTM E 2068		
2.2.1.6.1	Initiate motion	71 N (16 lbf)	200 N (45 lbf)
	Maintain motion	50 N (11 lbf)	135 N (30 lbf)
	Locks	13 N (3 lbf)	100 N (22.5 lbf)
5.3.2.1	Air Leakage Resistance per ASTM E 283		
2.1.2	75 Pa (1.6 psf)	0.46 L/s/m^2 (0.09 cfm/ft^2)	1.5 L/s/m^2 (0.3 cfm/ft^2) max.
5.3.3.2 2.1.3	Water Penetration Resistance per ASTM E 547		See Note #2
5.3.4.2 2.1.4.1	Uniform Load Deflection per ASTM E 330		See Note #2

***Note #1**: The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440-05 and ANSI/AAMA/NWWDA 101/I.S.2-97 for air leakage resistance.*

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #7: (Cottage Triple Mulled Single Hung Window) (Continued)			
5.3.4.3 2.1.4.2	Uniform Load Structural per ASTM E 330		See Note #2

***Note #2**: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".*

5.3.5 2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Disassembly Test	No entry	No entry
	Test A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Sash Manipulation Test	No entry	No entry
	Lock Hardware Manipulation Test	No entry	No entry
5.3.6.2 2.1.7	Thermoplastic Corner Weld Test	Meets as stated	Meets as stated
5.3.6.3 2.2.1.1.2	Deglazing Test In operating direction - 320 N (70 lbf)		
	Active meeting rail	4.3 mm (0.17")	11 mm (0.43")
	Bottom rail	4.1 mm (0.16")	11 mm (0.43")
	In remaining direction - 230 N (50 lbf)		
	Right stile	1.8 mm (0.07")	11 mm (0.43")
	left stile	1.8 mm (0.07")	11 mm (0.43")
Optional Performance			
4.4.2.6 4.3	Water Penetration Resistance per ASTM E 547 (with and without insect screen)		
	260 Pa (5.43 psf)	No leakage	No leakage

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed

Test Specimen #7: (Cottage Triple Mulled Single Hung Window) (Continued)

4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the center window meeting rail) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	8.1 mm (0.32")	See Note #3
	1680 Pa (35.11 psf) (negative)	8.4 mm (0.33")	See Note #3
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the vertical integral mullion) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	40.9 mm (1.61")	See Note #3
	1680 Pa (35.11 psf) (negative)	50.6 mm (1.99")	See Note #3
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the center window meeting rail) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	0.76 mm (0.03")	4.1 mm (0.16") max.
	2520 Pa (52.66 psf) (negative)	0.76 mm (0.03")	4.1 mm (0.16") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the vertical integral mullion) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	6.4 mm (0.25")	6.9 mm (0.27") max.
	2520 Pa (52.66 psf) (negative)	0.25 mm (0.01")	6.9 mm (0.27") max.

Test Specimen #8: (Equal Lite Triple Mulled Window)

Optional Performance

4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	7.9 mm (0.31")	See Note #3
	1680 Pa (35.11 psf) (negative)	9.4 mm (0.37")	See Note #3
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the bottom rail) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	10.7 mm (0.42")	See Note #3
	1680 Pa (35.11 psf) (negative)	0.76 mm (0.03")	See Note #3

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #8: (Equal Lite Triple Mulled Window) (Continued)			
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the vertical integral mullion) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	34.5 mm (1.36")	See Note #3
	1680 Pa (35.11 psf) (negative)	38.4 mm (1.51")	See Note #3
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	0.25 mm (0.01")	4.3 mm (0.17") max.
	2520 Pa (52.66 psf) (negative)	0.25 mm (0.01")	4.3 mm (0.17") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the bottom rail) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	0.25 mm (0.01")	4.3 mm (0.17") max.
	2520 Pa (52.66 psf) (negative)	2.3 mm (0.09")	4.3 mm (0.17") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the vertical integral mullion) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	5.3 mm (0.21")	6.9 mm (0.27") max.
	2520 Pa (52.66 psf) (negative)	5.8 mm (0.23")	6.9 mm (0.27") max.
Test Specimen #9: (Oriel Triple Mulled Single Hung Window)			
Optional Performance			
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	8.1 mm (0.32")	See Note #3
	1680 Pa (35.11 psf) (negative)	7.1 mm (0.28")	See Note #3
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the bottom rail) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	1.3 mm (0.05")	See Note #3
	1680 Pa (35.11 psf) (negative)	7.6 mm (0.30")	See Note #3

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #9: (Oriel Triple Mulled Single Hung Window) (Continued)			
4.4.2.6 4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the vertical integral mullion) (Loads were held for 10 seconds)		
	1680 Pa (35.11 psf) (positive)	35.3 mm (1.39")	See Note #3
	1680 Pa (35.11 psf) (negative)	35.8 mm (1.41")	See Note #3
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	2.3 mm (0.09")	4.3 mm (0.17") max.
	2520 Pa (52.66 psf) (negative)	0.25 mm (0.01")	4.3 mm (0.17") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the bottom rail) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	3.1 mm (0.12")	4.3 mm (0.17") max.
	2520 Pa (52.66 psf) (negative)	2.8 mm (0.11")	4.3 mm (0.17") max.
4.4.2.6 4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the vertical integral mullion) (Loads were held for 10 seconds)		
	2520 Pa (52.66 psf) (positive)	3.8 mm (0.15")	6.9 mm (0.27") max.
	2520 Pa (52.66 psf) (negative)	5.3 mm (0.21")	6.9 mm (0.27") max.

***Note #3**: The deflections reported are not limited by AAMA/WDMA/CSA 101/I.S.2/A440-05 and ANSI/AAMA/NWWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

Tape and film were used to seal against air leakage during structural testing. In our opinion, the tape and film did not influence the results of the test.

Drawing Reference: The test specimen drawings have been reviewed by Architectural Testing and are representative of the test specimen reported herein.

List of Official Observers:

Name	Company
Paul Jiantonio	PGT Industries
Scott Parker	Architectural Testing, Inc.
Jack Hook	Architectural Testing, Inc.
John Porteiro	Architectural Testing, Inc.
Mark A. Hess	Architectural Testing, Inc.

Detailed drawings, data sheets, representative samples of test specimens, a copy of this report, or other pertinent project documentation will be retained by Architectural Testing, Inc. for a period of four years from the original test date. At the end of this retention period, such materials shall be discarded without notice and the service life of this report will expire.

Results obtained are tested values and were secured by using the designated test methods. No conclusions of any kind regarding the adequacy or inadequacy of the glass in the test specimen can be made. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimen(s) tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.

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Don Beltz
Director-Regional Operations

MAH:ck

Attachments (pages): This report is complete only when all attachments listed are included.
Appendix-A: Alteration Addendum (1)
Appendix-B: Drawings (15)

Revision Log

Rev. #	Date	Page(s)	Revision(s)
0	01/24/08	N/A	Original report issue
1	01/31/08	page 1, 6 and 7	Added continuous head and sill
		page 2, 3, 4 and 5	Changes sizes to reflect to 1/64" of an inch
		page 6	change U shaped spacer system too silicone foam spacer system

Appendix A

Alteration Addendum

***Note**: No alterations were required.*

Appendix B

Drawings

SH-2100 VINYL SINGLE HUNG				
Item	Dwg #	PGT#	Description	Qty.
1	2113	62113	FRAME HEAD	1
2	2112	62112	FRAME SILL	1
3	2111	62111	FRAME JAMB	2
4	2122	62122	FIXED MEETING RAIL	1
5	78452	78452	KEEPER	2
6		7658FPX	#6 X 5/8" FH Ph SDS SCREW	4
7				
8	2142	62142M	FIXED MEETING RAIL REINFORCEMENT	1
9	2137	62137	FIXED MEETING RAIL, BRACKET	2
10		781FPX	#8 X 1" FH Ph SMS SCREW	8
11	2130	62130	BALANCE COVER	2
12		7765	BALANCE SHOE	2
13			BALANCE	2
14		781FPX	#8 X 1" FH Ph SMS SCREW	4
15	2138	62138	SASH STOP	2
16	1053	71053K	SETTING BLOCK	10
17	2128	62128	GLAZING BEAD - HORIZONTAL	2
18	2128	62128	GLAZING BEAD - VERTICAL	2
19		691351	PERFECT GLAZE 91-351A	
20				
21			FIXED GLASS	
22		62203	FIXED SUPER SPACER - 1/2"	
23		62202	FIXED SUPER SPACER - 7/16"	
24		62200	HOT MELT BUTYL	
25				
26			SASH GLASS	
27		62203	SASH SUPER SPACER - 1/2"	
28		62202	SASH SUPER SPACER - 7/16"	
29		62200	HOT MELT BUTYL	
30	2121	62121	SASH LOCK RAIL	1
31	2141	62141M	SASH LOCK RAIL REINFORCEMENT	1
32	2119	62119	SASH SIDE RAIL	2
33	2147	62147M	SASH SIDE RAIL REINFORCEMENT	2
34	2120	62120	SASH LIFT RAIL	1
35	2146	62146M	SASH LIFT RAIL REINFORCEMENT	1
36		7612FPTWX	#6 X 1/2" FH Ph SDS SCREW	4
37		7401	LOCK	
38		7658FPX	#6 X 5/8" FH Ph SDS SCREW	4
39		723188	PIVOT BAR	2
40		7638TPX	#6 X 3/8" TH Ph SMS SCREW	4
41		7SC1R	TILT LATCH (LEFT)	1
42		7SC1L	TILT LATCH (RIGHT)	1
43		61635K	WSTP. .187 X .500 FIN SEAL	2
44		632019	T-SLOT FOAM FILLED BULB - LEFT RAIL	1
45	2128	62128	GLAZING BEAD - HORIZONTAL	2
46	2128	62128	GLAZING BEAD - VERTICAL	2
47		691351	PERFECT GLAZE 91-351A	
48	1053	71053K	SETTING BLOCK	10
49	2131	62131	INTEGRAL MULLION	
50	2145	62145M	INTEGRAL MULLION REINFORCEMENT	

Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 79772.01-401-44

Date 1/24/08 Tech MAR

Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By: DG	Date: 12/19/07	Checked By: Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

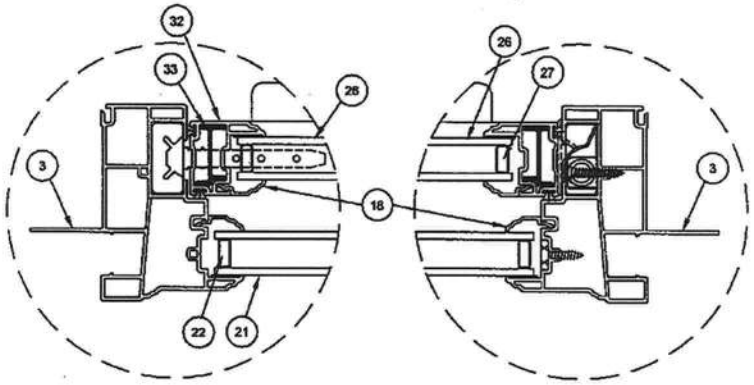
P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

Description: SH2100 VINYL SINGLE HUNG WINDOW

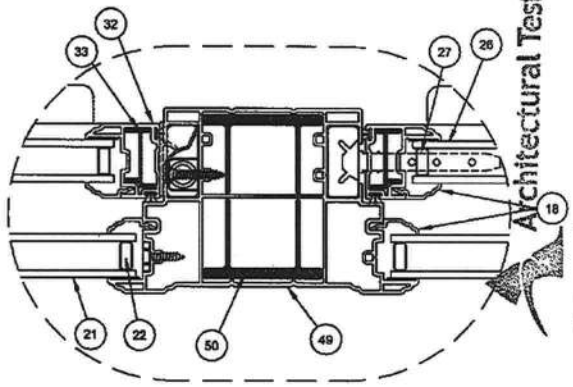
Title: BILL OF MATERIALS

Series/Model:	Scale:	Sheet	Drawing No.	Rev:
SH2100	1x	13 of	TLP-SH2100-121907-13	



DETAIL 'A'

DETAIL 'B'



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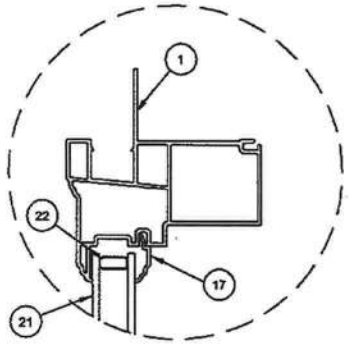

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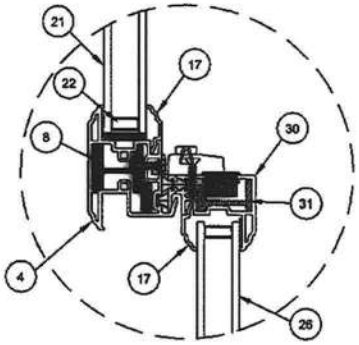

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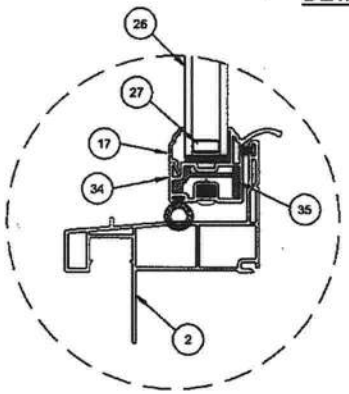


DETAIL 'E'

Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# TL9777.01-401-44

Date 1/24/08 Tech MAB

UNIT NOTES:

1. SH2100 WINDOWS TO HAVE:
   3/4" I.G. GLASS
   (DSB - 1/2" AIRSPACE - DSB)

Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By: DG	Date: 12/19/07	Checked By: / Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

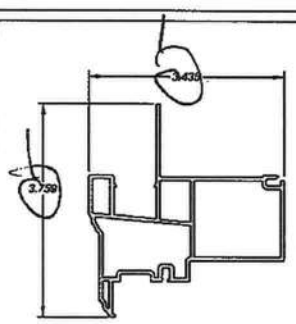
P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

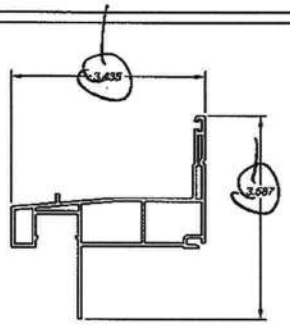
Description: SH2100 VINYL SINGLE HUNG WINDOW

Title: SECTIONS AND DETAILS

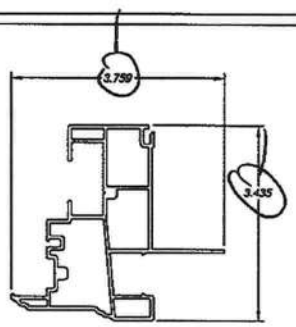
Series/Model:	Scale:	Sheet	Drawing No.	Rev:
SH2100	NTS	14 of	TLP-SH2100-121907-14	



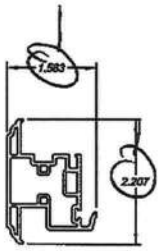
① FRAME HEAD
MAT'L: VINYL
DWG# 2113



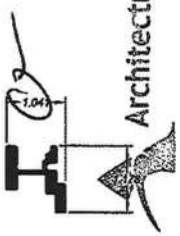
② FRAME SILL
MAT'L: VINYL
DWG# 2112



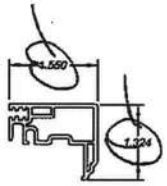
③ FRAME JAMB
MAT'L: VINYL
DWG# 2111



④ FIXED MEETING RAIL
MAT'L: VINYL
DWG# 2122

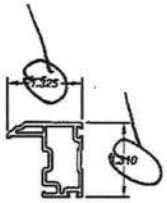


⑨ FIXED MEETING RAIL REINF.
MAT'L: ALUMINUM
DWG# 2137

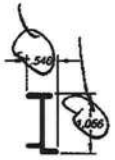


㉚ SASH LOCK RAIL
MAT'L: VINYL
DWG# 2121

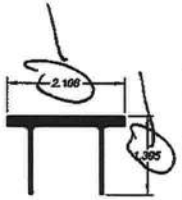
㉛ SASH LOCK RAIL REINF.
MAT'L: ALUMINUM
DWG# 2141



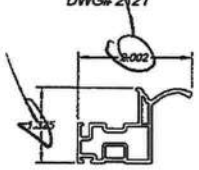
㉜ SASH SIDE RAIL
MAT'L: VINYL
DWG# 2119



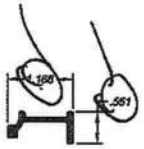
㉝ SASH SIDE RAIL REINF.
MAT'L: ALUMINUM
DWG# 2147



㊽ MULLION REINF.
MAT'L: ALUMINUM
DWG# 2145

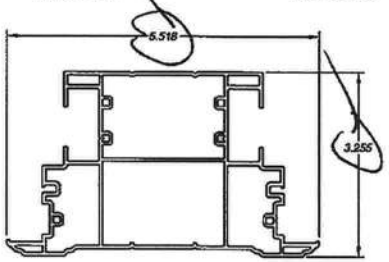


㉞ SASH LIFT RAIL
MAT'L: VINYL
DWG# 2120



㉟ SASH LIFT RAIL REINF.
MAT'L: ALUMINUM
DWG# 2146

㊺㊻ GLAZING BEAD
MAT'L: VINYL
DWG# 2128

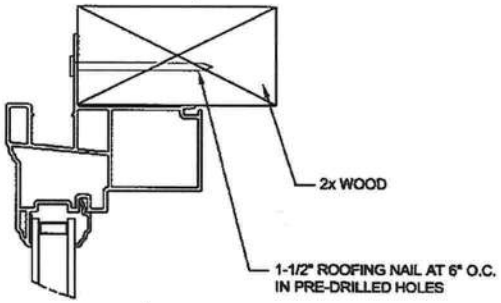


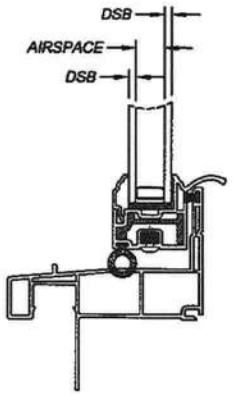
㊾ INTEGRAL MULLION
MAT'L: VINYL
DWG# 2131

Moved By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PGT Visibly Better	Description: SH2100 VINYL SINGLE HUNG WINDOW			
Moved By:	Date:	Revisions:				Title: EXTRUSIONS			
Moved By:	Date:	Revisions:				Series/Model: SH2100	Scale: NTS	Sheet: 15 of	Drawing No.: TLP-SH2100-121907-15 Rev:
Drawn By: DG	Date: 12/19/07	Checked By:	Date:						

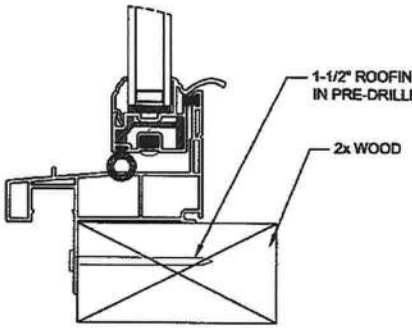
Architectural Testing
Test samples complies with these details.
Deviations are noted.
Report# 79777.01-401-44
Date 4/24/08 Tech MAH

TYPICAL FRAME HEAD INSTALLATION

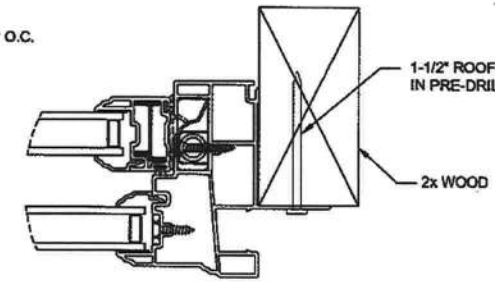




SH2100 SINGLE HUNG
3/4" INSULATED GLASS



TYPICAL FRAME SILL INSTALLATION



TYPICAL FRAME JAMB INSTALLATION

Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 29222.01-401-44

Date 1/24/08 Tech MAIN

Reveal By:	Date:	Revisions:	
Reveal By:	Date:	Revisions:	
Reveal By:	Date:	Revisions:	
Drawn By: DG	Date: 12/19/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

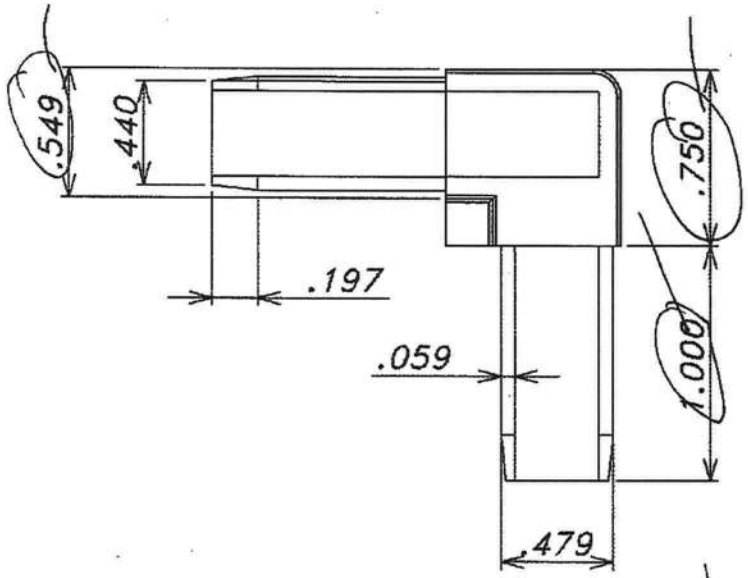
PGT Visibly Better

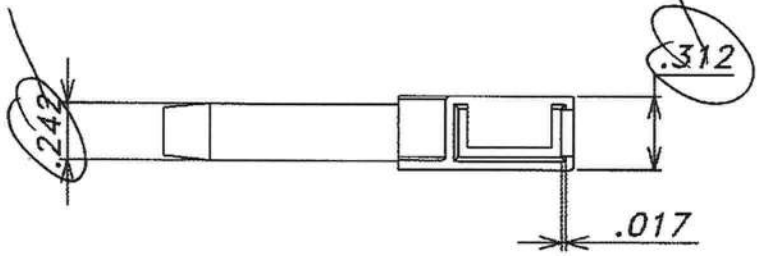
Description: SH2100 VINYL SINGLE HUNG WINDOW

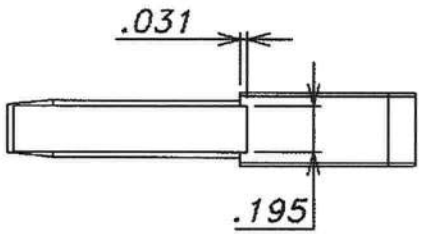
Title: ANCHORAGE AND GLASS DETAILS

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH2100	NTS	16 of	TLP-SH2100-121907-16	

RevNo	Revision note	Date	Signature	Checked





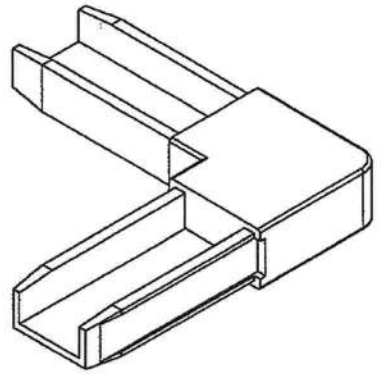


Architectural Testing

Test sample complies with these details.
Deviations are noted.

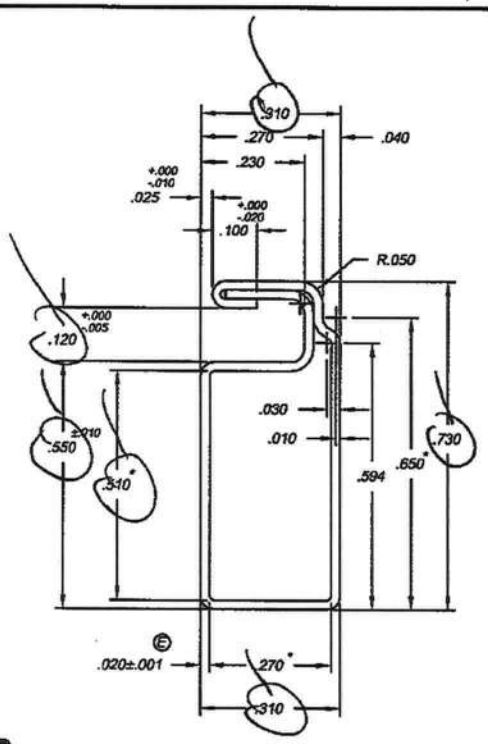
Report# 79272.01-400-44

Date 1/24/08 Tech MH



PGT Part Number: 7CKGLB21T, W
PGT Drawing Number: 2158

Itemref	Quantity	Material: nylon		Article No./Reference	
Designed by ON	Checked by PZ	Approved by - date -------	File name ------	Date 2007.10.17	Scale 1:1
GLOBAL_PRODUCTS,_LLC		WINDOW_SCREEN			
		CORNER_KEY		Edition EDITION	Sheet SHEET



ACTUAL SIZE

NOTE:

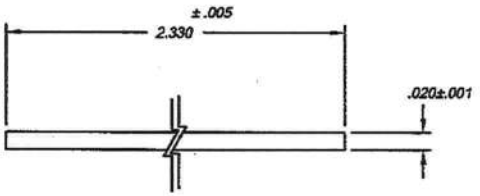
1. * = DIMENSIONS MAY VARY FOR KEY FIT.
2. PRE-BOW MIN. 1/4" AND A MAX. 5/16" PER 6FT. SECTION CONVERSION : .041 MIN. AND .052 MAX. PER FT.

Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 79777.01-401-44

Date 1/24/08 Tech MAM

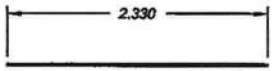


MATERIAL SPEC. NOTES:

COIL WIDTH: 2.330" ±.005 Ⓕ
Ⓔ COIL THICKNESS: 0.020" TOL. +.001 -.001
ALLOY: 3105
TEMPER: H-14
BEND: O T 180 (BENDS BACK ON ITSELF 1 TIME)
COIL WEIGHT: APPROXIMATELY: 400 LBS.
COIL I.D: 16"
COIL O.D: 39" to 42" Ⓕ
PAINT: LILY DYNACOAT 2 OR EQUIVALENT (POLYESTER)
PAINT APPLIED TO INSIDE SURFACE OF COIL.
CLEAR COAT OUTSIDE OF COIL.

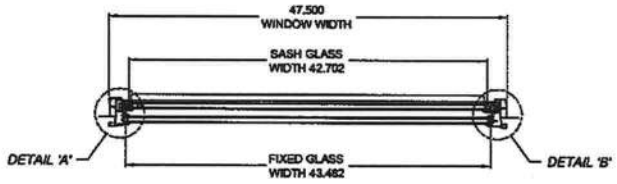
ROTATION OF COIL

TOP LOOKING DOWN AT PALLET

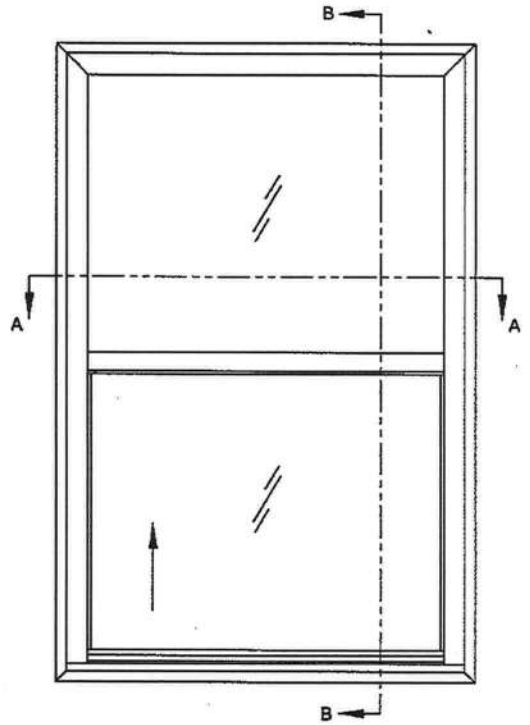


ACTUAL SIZE

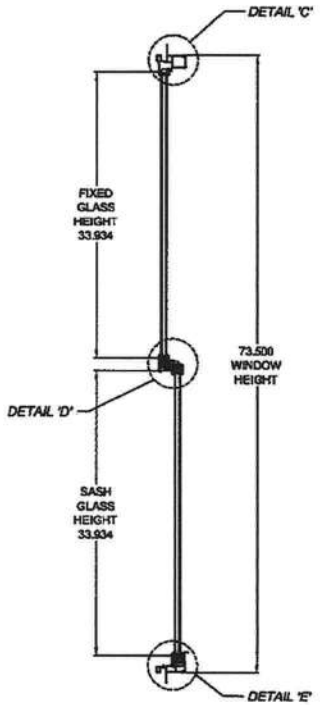
Revisions: E) MAT'L THICKNESS WAS .019 +.002/-.000 add tol of ±.005; coil O.D.from 32" to 39" to 42" F) Mat'l chgd from H-24 to H-14	Tolerances Unless Noted: Fractions ± 1/64 Decimal .02 ± .01 Decimal .002 ± .005 Angular ± 1°	THE INFORMATION, DESIGN OR DATA CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF PGT INDUSTRIES AND CONSIDERED CONFIDENTIAL AND PROPRIETARY NO PORTION OF THIS DOCUMENT MAY BE USED OR REPRODUCED IN ANY FORM WITHOUT THE EXPRESSED WRITTEN PERMISSION OF PGT INDUSTRIES.	PGT Visibly Better
	Series/Model: SCREEN		
Material: ALUM. 3105 H-14 Ⓕ	Description: SCREEN FRAME		Size: B
Revised By: D.B. Date: 3/16/07 Chkd By: Date:			
Drawn By: R.S. Date: 6/8/01	PGT NO: 61014	VENDOR NO:	Scale: 4x Sheet: 1 of 1 Drawing No. 1014 Rev: F



HORIZONTAL SECTION A-A



ELEVATION



HORIZONTAL SECTION B-B

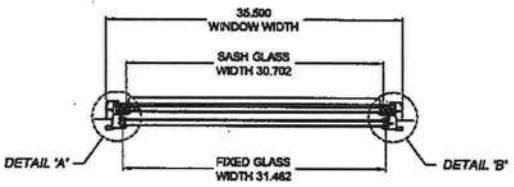
Architectural Testing

Test sample complies with these details.
Deviations are noted.

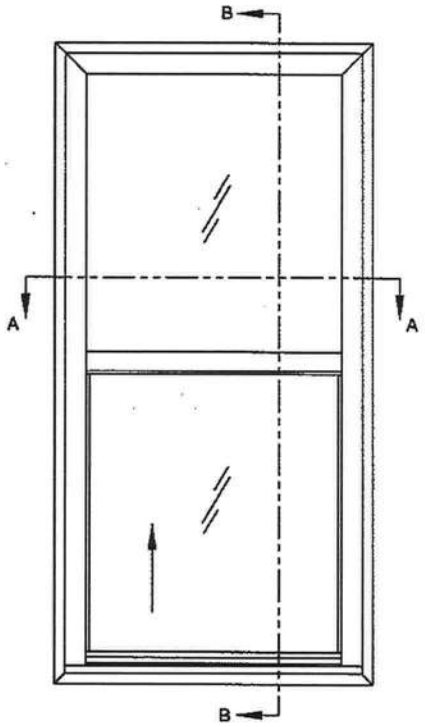
Report# 29772.01-401-44

Date 1/24/08 Tech MAH

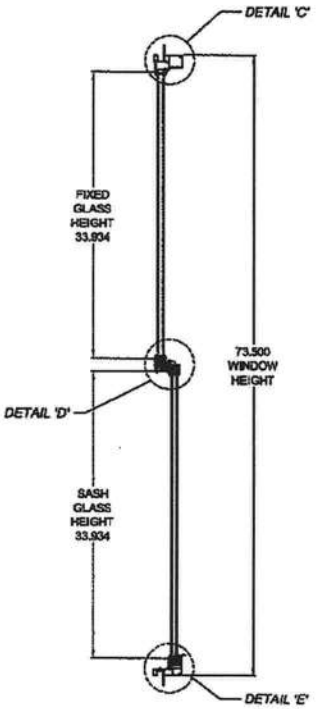
Reved By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1525 NOKOMIS, FL 34274	PGT Visibly Better	Description: SH2100 VINYL SINGLE HUNG WINDOW - 1/1	
Reved By:	Date:	Revisions:				Title: ELEVATION & SECTION VIEW	
Reved By:	Date:	Revisions:				Scale: 1X	Drawing No.: TLP-SH2100-121907-1
Drawn By: DG	Date: 12/19/07	Checked By:	Date:			Sheet: 1 of	Rev:



HORIZONTAL SECTION A-A



ELEVATION



HORIZONTAL SECTION B-B

Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 79777.01-401-44

Date 1/24/08 Tech WM

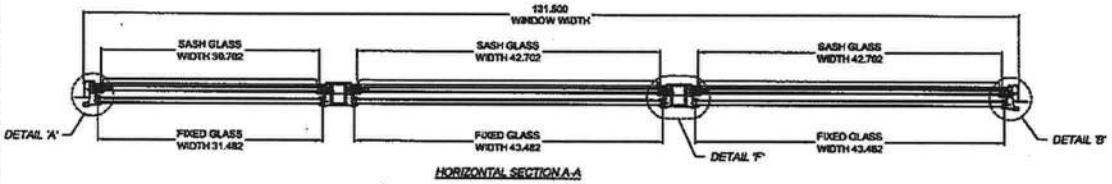
Moved By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PGT Visibly Better	Description: SH2100 VINYL SINGLE HUNG WINDOW - 1/1			
Moved By:	Date:	Revisions:				Title: ELEVATION & SECTION VIEW			
Moved By:	Date:	Revisions:				Series/Model: SH2100	Scale: 1/4	Sheet: 2 of	Drawing No.: TLP-SH2100-121907-2
Drawn By: DG	Date: 12/19/07	Checked By:	Date:						

Architectural Testing

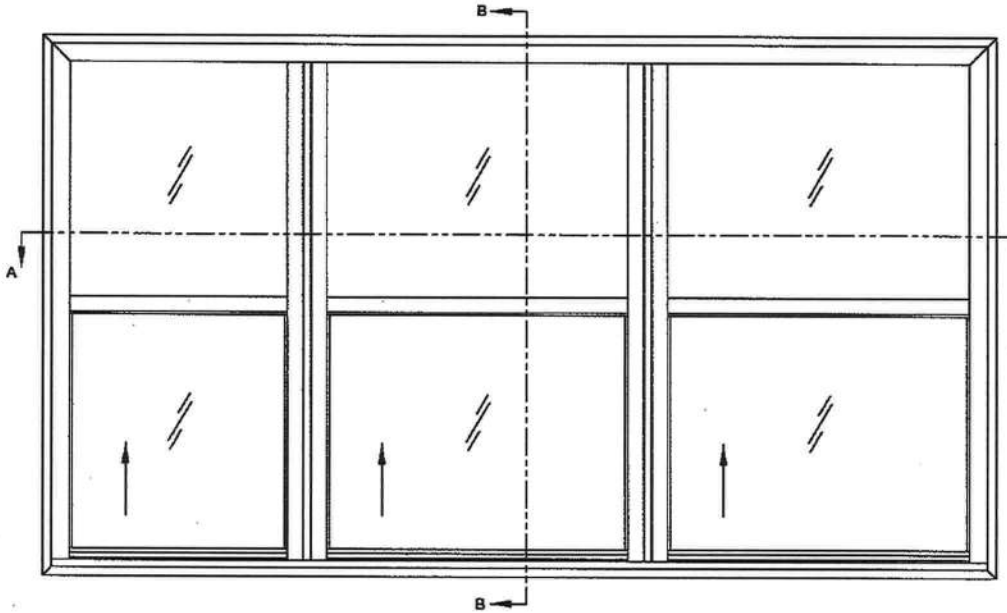
Test sample complies with these details.
Deviations are noted.

Report# 76777.01-401-44

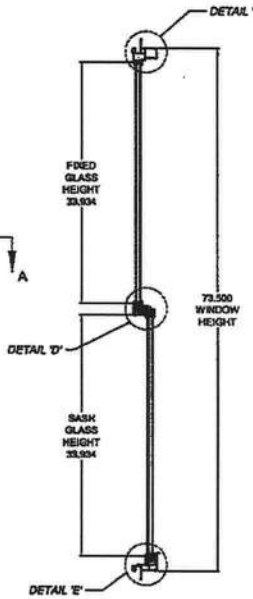
Date 1/24/08 Tech MA14



HORIZONTAL SECTION A-A

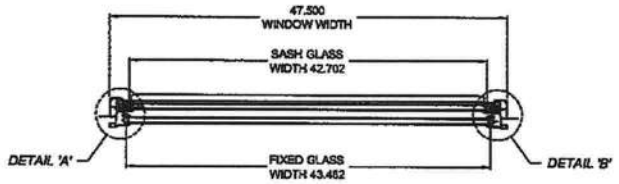


ELEVATION

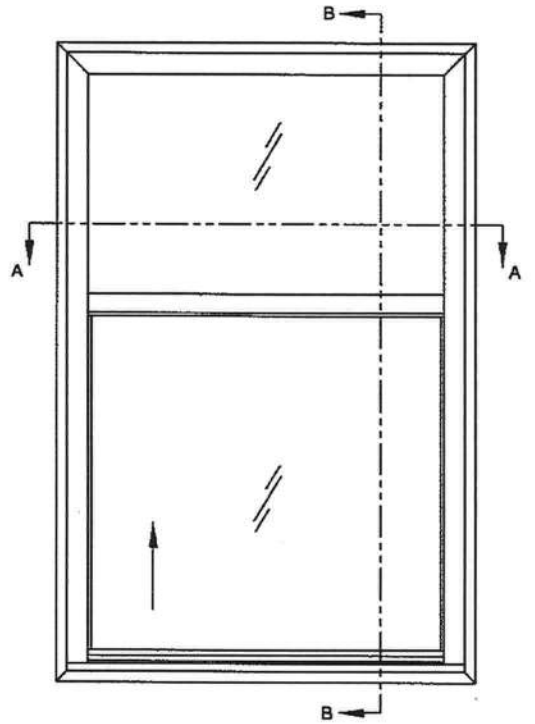


HORIZONTAL SECTION B-B

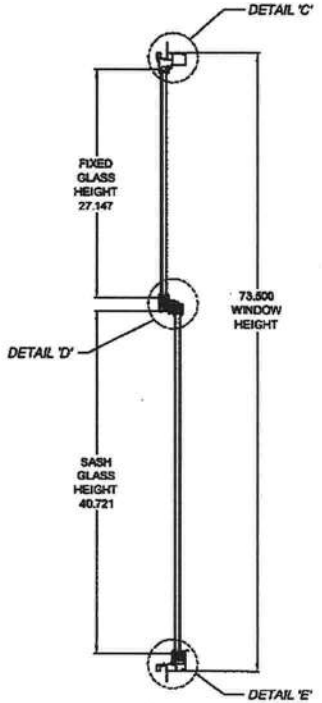
Reviewed By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PGT Vistby Better	Description: SH2100 VINYL SINGLE HUNG WINDOW - 1/1		
Reviewed By:	Date:	Revisions:				Title: ELEVATION & SECTION VIEW		
Reviewed By:	Date:	Revisions:				Series/Model: SH2100	Scale: 1x	Sheet: 3 of
Drawn By: DG	Date: 12/19/07	Checked By:	Date:			Drawing No. TLP-SH2100-121907-3		Rev:



HORIZONTAL SECTION A-A



ELEVATION



HORIZONTAL SECTION B-B

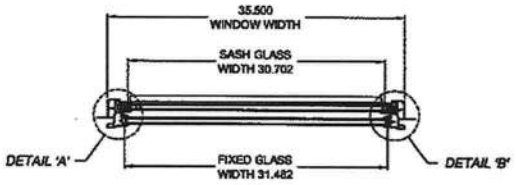
Architectural Testing

Test sample complies with these details.
Deviations are noted.

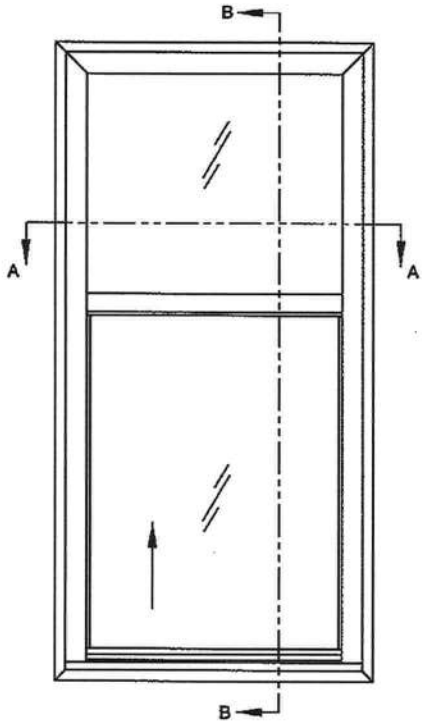
Report# 29777.01-402-44

Date 1/24/08 Tech MAW

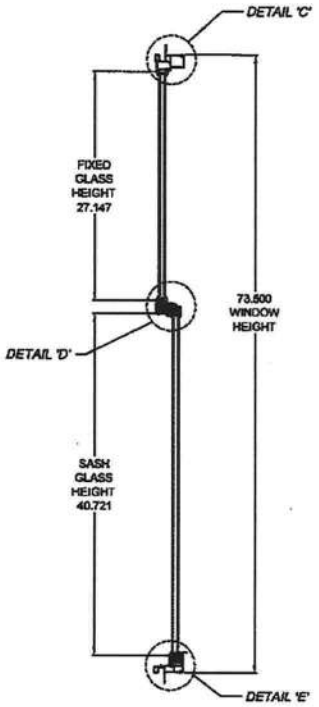
Issued By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PGT Visibly Better	Description: SH2100 VINYL SINGLE HUNG WINDOW - COTTAGE		
Issued By:	Date:	Revisions:				Title: ELEVATION & SECTION VIEW		
Issued By:	Date:	Revisions:				Series/Model: SH2100	Scale: 1x	Sheet: 5 of
Drawn By: DG	Date: 12/19/07	Checked By:	Date:			Drawing No.: TLP-SH2100-121907-5		Rev:



HORIZONTAL SECTION A-A



ELEVATION



HORIZONTAL SECTION B-B

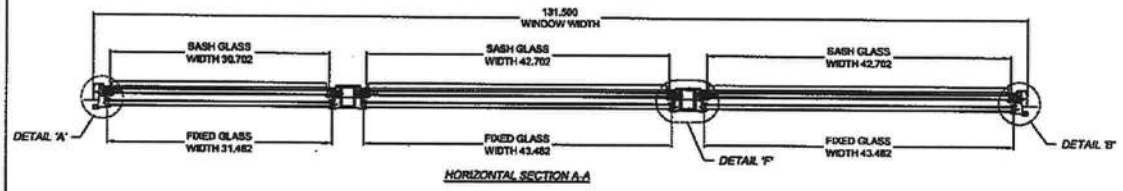
Architectural Testing

Test sample complies with these details.
Deviations are noted.

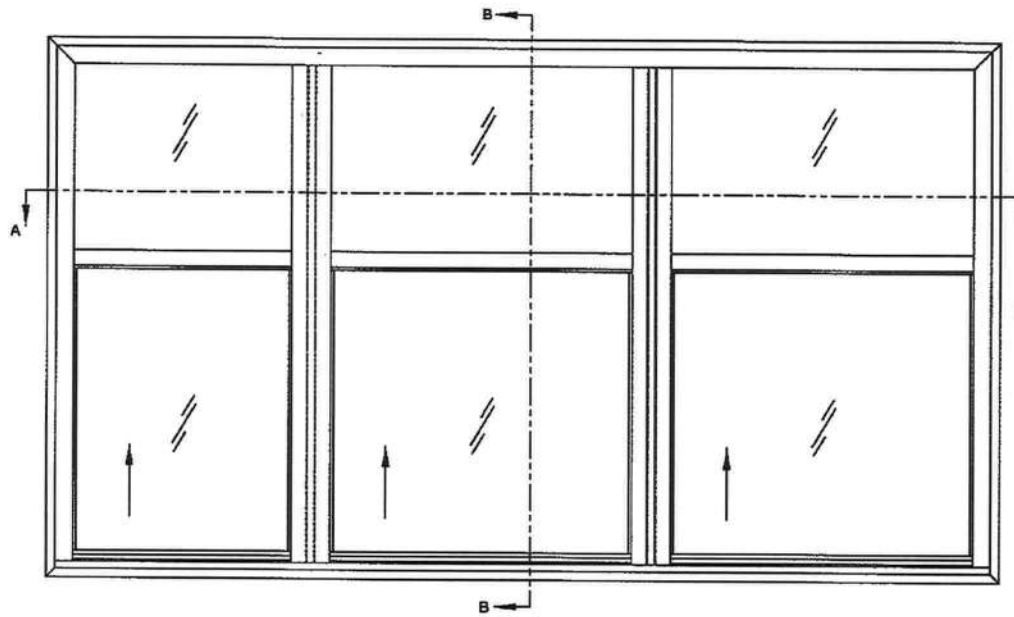
Report# 21222.01-401-44

Date 1/24/08 Tech MAH

Revwd By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PGT Vinibly Better	Description: SH2100 VINYL SINGLE HUNG WINDOW - COTTAGE		
Revwd By:	Date:	Revisions:				Title: ELEVATION & SECTION VIEW		
Revwd By:	Date:	Revisions:				Series/Model: SH2100	Scale: 1x	Sheet: 6 of
Drawn By: DG	Date: 12/19/07	Checked By:	Date:			Drawing No.: TLP-SH2100-121907-6		Rev:



HORIZONTAL SECTION A-A



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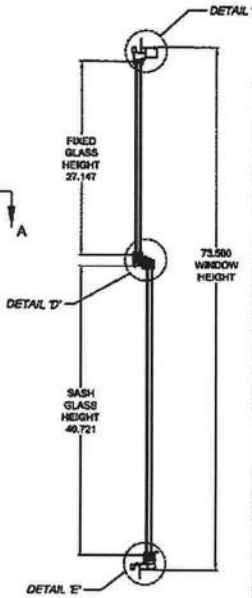


HORIZONTAL SECTION B-B

Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 79222.01-401-96

Date 1/24/08 Tech WM

Reviewed By:	Date:	Revisions:	
Reviewed By:	Date:	Revisions:	
Reviewed By:	Date:	Revisions:	
Drawn By: DG	Date: 12/19/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

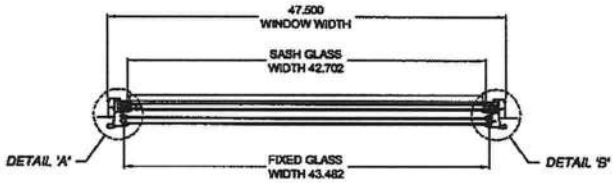
P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

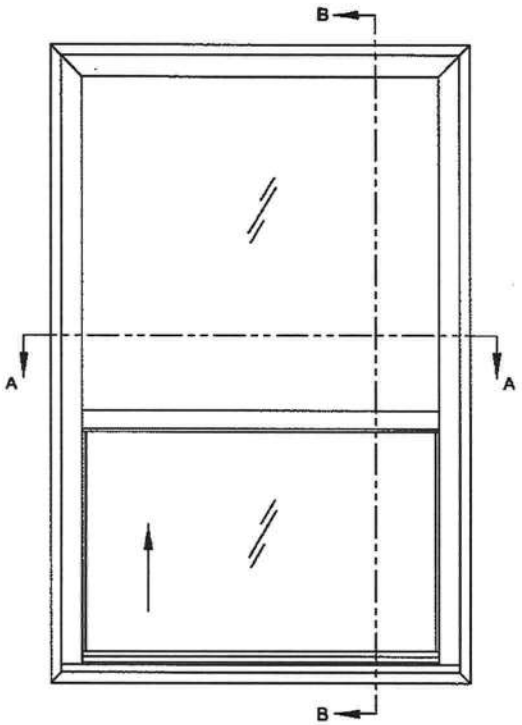
Description:
SH2100 VINYL SINGLE HUNG WINDOW - COTTAGE

Title:
ELEVATION & SECTION VIEW

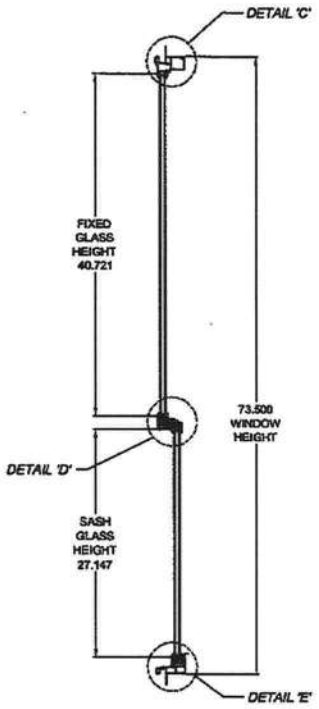
Series/Model	Scale:	Sheet	Drawing No.	Rev:
SH2100	1/x	7 of	TLP-SH2100-121907-7	



HORIZONTAL SECTION A-A



ELEVATION



HORIZONTAL SECTION B-B

Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 29777.01-401-44

Date 1/24/08 Tech MAM

Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Drawn By: DG	Date: 12/19/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

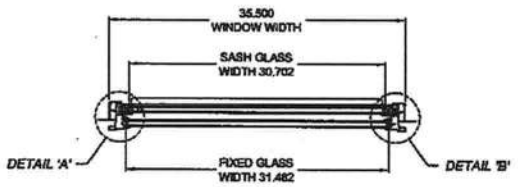
P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

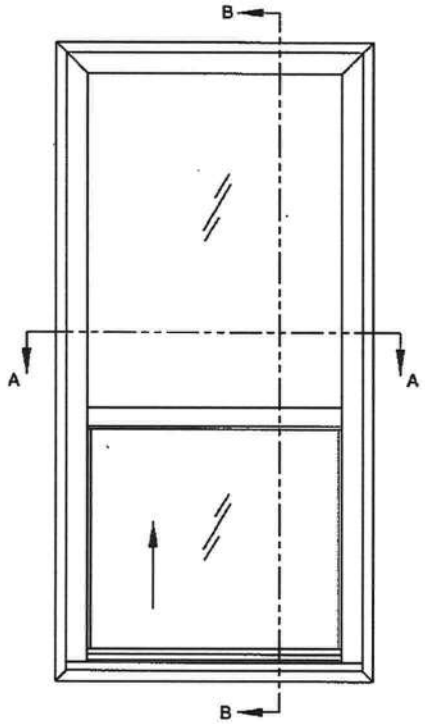
Description: SH2100 VINYL SINGLE HUNG WINDOW - ORIEL

Title: ELEVATION & SECTION VIEW

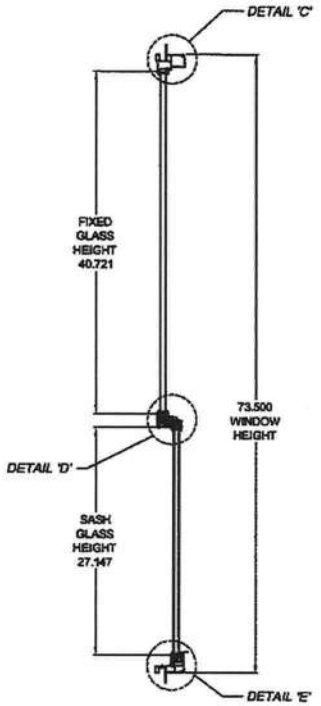
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH2100	1x	9 of	TLP-SH2100-121907-9	



HORIZONTAL SECTION A-A



ELEVATION



HORIZONTAL SECTION B-B

Architectural Testing

Test sample complies with these details.
Deviations are noted.

Report# 29777.01-401-44

Date 11/24/08 Tech VMAH

Moved By:	Date:	Revisions:	
Moved By:	Date:	Revisions:	
Moved By:	Date:	Revisions:	
Drawn By: DG	Date: 12/19/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

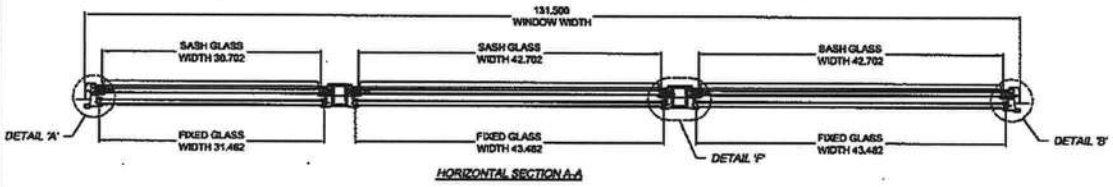
PGT
Visibly Better

Description: SH2100 VINYL SINGLE HUNG WINDOW - ORIEL

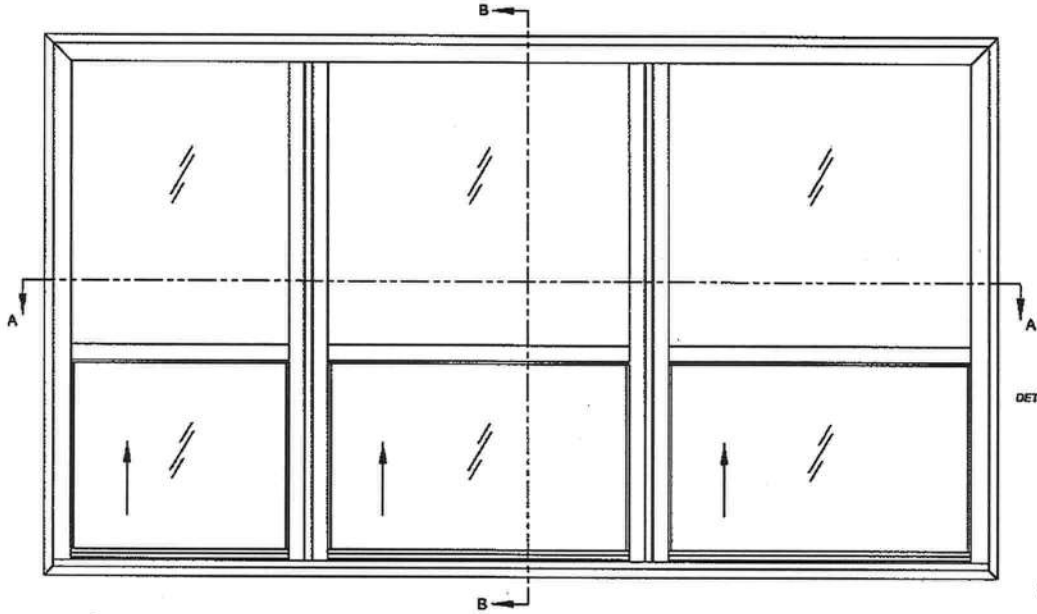
Title: ELEVATION & SECTION VIEW

Series/Model	Scale:	Sheet:	Drawing No.	Rev:
SH2100	1x	10 of	TLP-SH2100-121907-10	

Architectural Testing
Test sample complies with these details.
Deviations are noted.
Report# 79722.01-401-44
Date 1/24/08 Tech MAH



HORIZONTAL SECTION A-A



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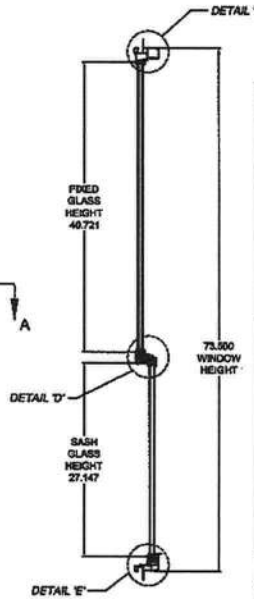


HORIZONTAL SECTION B-B

Revised By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PGT Visibly Better	Description: SH2100 VINYL SINGLE HUNG WINDOW - ORIEL			
Revised By:	Date:	Revisions:				Title: ELEVATION & SECTION VIEW			
Revised By:	Date:	Revisions:				Series/Model: SH2100	Scale: 1x	Sheet: 11 of	Drawing No.: TLP-SH2100-121907-11 Rev:
Drawn By: DG	Date: 12/19/07	Checked By:	Date:						

Columbia County Property Appraiser

DB Last Updated: 3/5/2009

2009 Preliminary Values

Tax Record | Property Card | Interactive GIS Map | Print

Parcel: 24-6S-17-09769-003

Search Result: 1 of 1

Owner & Property Info

Owner's Name	WILLIAMS KIMBERLY B &		
Site Address	WATERLEAF		
Mailing Address	DUDLEY E WILLIAMS JR 512 SE WATERLEAF DR LAKE CITY, FL 32024		
Use Desc. (code)	PASTURELAN (006200)		
Neighborhood	24617.00	**Tax District**	3
UD Codes	MKTA02	**Market Area**	02
Total Land Area	15.000 ACRES		
Description	BEG SE COR OF E1/2 OF SW1/4, RUN N 396.37 FT,W 748.47 FT, N 107.75 FT, W 250.00 FT, N 39 DEG W 450.00 FT, W 50.04 FT, S 865.99 FT, E 1321.22 FT. TO POB. ORB 888-504. ORB 999-1017 WD 1139-1967		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (2)	$7,472.00
Ag Land Value	cnt: (1)	$2;800.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (1)	$924.00
Total Appraised Value		$11,196.00

Just Value	$85,004.00
Class Value	$11,196.00
Assessed Value	$11,196.00
Exempt Value	$0.00
Total Taxable Value	$11,196.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
12/28/2007	1139/1967	WD	I	Q		$115,000.00
10/28/2003	999/1017	WD	V	U	08	$52,300.00
9/15/1999	888/504	WD	V	Q		$60,200.00

Building Characteristics

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

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0296	SHED METAL	1993	$924.00	924.000	14 x 66 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000700	MISC RES (MKT)	1.000 AC	1.00/1.00/1.00/1.00	$5,472.00	$5,472.00
006200	PASTURE 3 (AG)	14.000 AC	1.00/1.00/1.00/1.00	$200.00	$2,800.00
009910	MKT.VAL.AG (MKT)	14.000 AC	1.00/1.00/1.00/1.00	$0.00	$76,608.00

IMPACT FEE OCCUPANCY AFFIDAVIT

This affidavit is given for the purpose of obtaining an exemption pursuant to Article VIII, Section 8.01, Columbia County Comprehensive Impact Fee Ordinance No. 2007-40, adopted October 18, 2007, as may be amended.

STATE OF FLORIDA
COUNTY OF COLUMBIA

BEFORE ME, the undersigned authority, personally appeared Kimberly Williams who, after being duly sworn, deposes and says:

1. Except as otherwise stated herein, Affiant has personal knowledge of the facts and matters set forth in this affidavit regarding property identified below as:

(a) Parcel No.: 24-6S-17-09769-003
(b) Legal description (may be attached): See attached

2. Based upon Affiant's personal knowledge, a non-residential building or a residential dwelling has existed on the above referenced property. Said building or dwelling unit was last occupied on 12/2007 (date.)

3. This Affidavit is made and given by Affiant with full knowledge that the facts contained herein are accurate and complete, and with full knowledge that the penalties under Florida law for perjury include conviction of a felony of the third degree.

Further Affiant sayeth naught.

Kimberly Williams

Print: Kimberly Williams

Address: 512 SE Waterleaf Dr.
Lake City, FL 32024

SWORN TO AND SUBSCRIBED before me this 2ND day of March, 2009, by Kimberly Williams who is personally known to me or who has produced _____ as identification.

Sharon W. Bennett
Notary Public, State of Florida

(NOTARY SEAL)

SHARON W. BENNETT
Notary Public - State of Florida
My Commission Expires Jun 8, 2012
Commission # DD 783912
Bonded Through National Notary Assn.

My Commission Expires: 6/8/12

```
 @ CAM110M01    S  CamaUSA Appraisal System                      Columbia County
  1/06/2009 10:15  Property Maintenance                  7472  Land  002
 Year T Property                          Sel            2800  AG    001
 2009 R 24-6S-17-09769-003_____________ ... _   *              Bldg  000  *
  Owner WILLIAMS KIMBERLY B &           + Conf             924  Xfea  001
   Addr DUDLEY E WILLIAMS JR                            11196  TOTAL     B*
        512 SE WATERLEAF DR                  -Cap?-     15.000 Total Acres
                                             SOH 10% ApYr ERnwl ARnwl S/C Notc
City,St LAKE CITY            FL Zip 32024     N      2000
Country                         (PUD1)          (PUD2)          (PUD3) MKTA02
                                pud4            pud5            pud6
Appr By JS   Date  3/24/2008 AppCode     UseCd 006200 PASTURELAND 3
      TxDist Nbhd        MktA    ExCode  Exemption/%     TxCode   Units    Tp
        003   24617.00   02
            DIST 3
 House#     512       Street WATERLEAF                MD DR   Dir SE #
        -               City LAKE CITY
   Subd       N/A                  Condo       .00 N/A
   Sect     24 Twn      6S Rnge    17E Subd        Blk         Lot
 Legals BEG SE COR OF E1/2 OF SW1/4,     RUN N 396.37 FT,W 748.47 FT,
        N 107.75 FT, W 250.00 FT, N 39    DEG W 450.00 FT, W 50.04 FT,   +
   Map#                                    Mnt 10/23/2008 GAIL
 F1=Task  F2=ExTx  F3=Exit  F4=Prompt  F11=Docs  F10=GoTo  PgUp/PgDn  F24=More
```

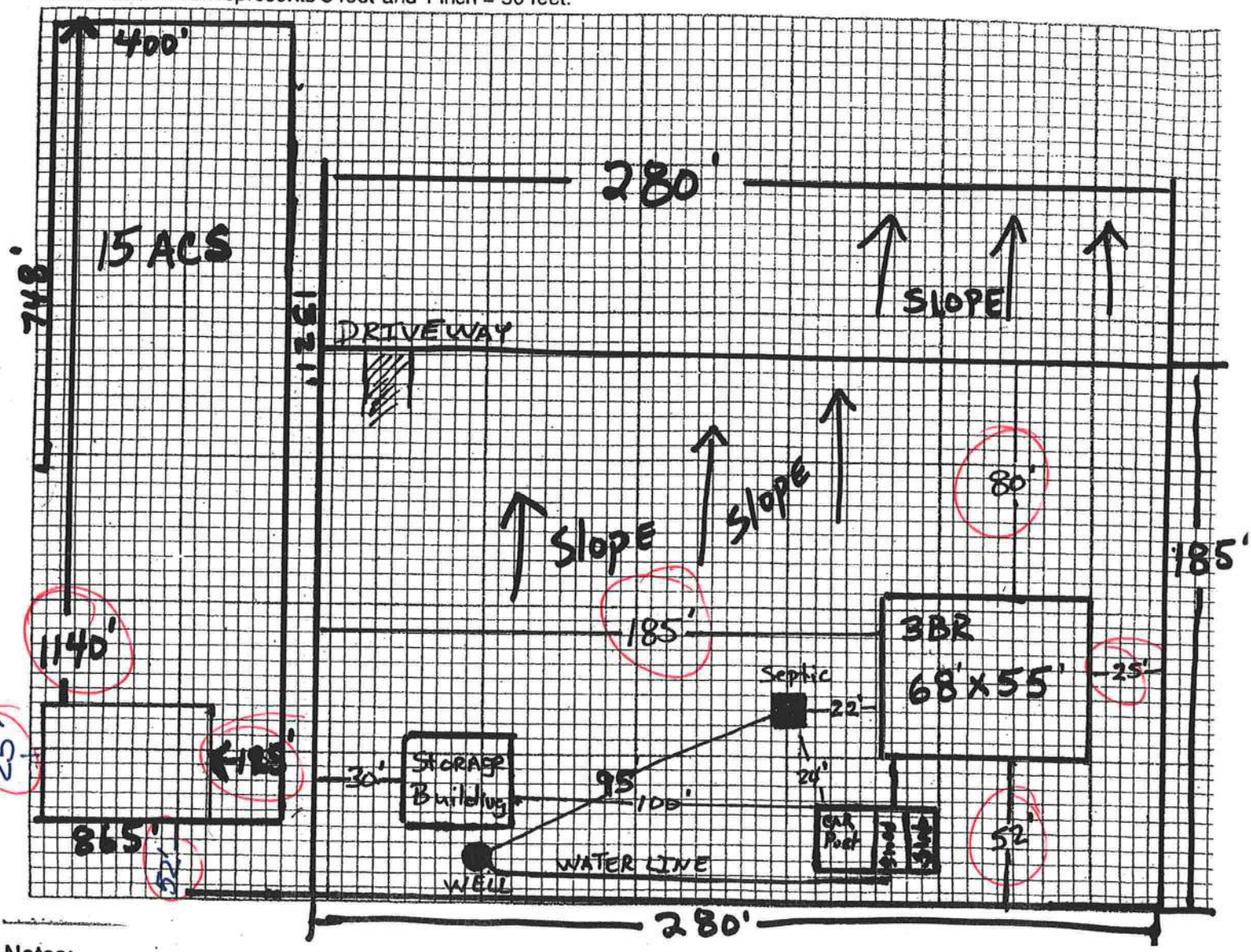
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

PART II - SITE PLAN

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



Notes: _____

Site Plan submitted by: _____ _____
Signature Title

Plan Approved _____ Not Approved _____ Date _____

By _____ County Health Departm

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/96 (Replaces HRS-H Form 4015 which may be used)

Needs to be 2001 code

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Williams Residence**	Builder:	**Owner**
Address:	**SE County Rd 18**	Permitting Office:	**Columbia Co**
City, State:	**Lake City, FL 32055-**	Permit Number:	2774
Owner:	**Kim Williams**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		2461 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	232.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 154.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=19.0, 999.0 ft²	
b. Frame, Wood, Exterior		R=13.0, 295.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2461.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 15.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 35.0 kBtu/hr	
	SEER: 14.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 35.0 kBtu/hr	
	HSPF: 7.90	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 30.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT, CF,	

Glass/Floor Area: 0.09

Total as-built points: 23412

Total base points: 33160

PASS

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

PREPARED BY: Tim Delbene

DATE: 2/9/09 Tim Delbene

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: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SE County Rd 18, Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2461.0	20.04	8877.3	Double, Clear	N	12.0	7.0	30.0	19.20	0.64	366.0	
				Double, Clear	S	12.0	7.0	60.0	35.87	0.46	988.1	
				Double, Clear	E	12.0	5.0	12.0	42.06	0.37	188.3	
				Double, Clear	E	12.0	5.0	9.0	42.06	0.37	141.2	
				Double, Clear	E	12.0	8.0	20.0	42.06	0.43	364.2	
				Double, Clear	E	2.0	6.0	32.0	42.06	0.85	1141.5	
				Double, Clear	E	2.0	5.0	9.0	42.06	0.80	301.7	
				Double, Clear	W	12.0	7.0	60.0	38.52	0.42	979.5	
				As-Built Total:				**232.0**			**4470.6**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	19.0	999.0	0.90	899.1
Exterior	1294.0	1.70	2199.8	Frame, Wood, Exterior	13.0	295.0	1.50	442.5
Base Total:	**1294.0**		**2199.8**	**As-Built Total:**		**1294.0**		**1341.6**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Insulated	21.0	4.10	86.1
Exterior	42.0	6.10	256.2	Exterior Insulated	21.0	4.10	86.1
Base Total:	**42.0**		**256.2**	**As-Built Total:**	**42.0**		**172.2**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	2461.0	1.73	4257.5	Under Attic	30.0	2461.0	1.73 X 1.00	4257.5
Base Total:	**2461.0**		**4257.5**	**As-Built Total:**		**2461.0**		**4257.5**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	154.0(p)	-37.0	-5698.0	Slab-On-Grade Edge Insulation	0.0	154.0(p	-41.20	-6344.8
Raised	0.0	0.00	0.0					
Base Total:			**-5698.0**	**As-Built Total:**		**154.0**		**-6344.8**

INFILTRATION	Area X	BSPM	= Points		Area X	SPM	= Points
	2461.0	10.21	25126.8		2461.0	10.21	25126.8

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SE County Rd 18, Lake City, FL, 32055-** PERMIT #:

BASE			AS-BUILT						
Summer Base Points:		**35019.7**	**Summer As-Built Points:**						**29023.9**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
35019.7	**0.4266**	**14939.4**	29023.9 **29023.9**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.244 **0.244**	0.902 **0.902**	7265.1 **7265.1**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SE County Rd 18, Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2461.0	12.74	5643.6	Double, Clear	N	12.0	7.0	30.0	24.58	1.02	755.1	
				Double, Clear	S	12.0	7.0	60.0	13.30	3.44	2742.2	
				Double, Clear	E	12.0	5.0	12.0	18.79	1.48	333.9	
				Double, Clear	E	12.0	5.0	9.0	18.79	1.48	250.4	
				Double, Clear	E	12.0	8.0	20.0	18.79	1.39	522.4	
				Double, Clear	E	2.0	6.0	32.0	18.79	1.06	637.8	
				Double, Clear	E	2.0	5.0	9.0	18.79	1.08	183.2	
				Double, Clear	W	12.0	7.0	60.0	20.73	1.22	1512.1	
				As-Built Total:				**232.0**			**6937.2**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	19.0	999.0	2.20	2197.8
Exterior	1294.0	3.70	4787.8	Frame, Wood, Exterior	13.0	295.0	3.40	1003.0
Base Total:	**1294.0**		**4787.8**	**As-Built Total:**		**1294.0**		**3200.8**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Insulated	21.0	8.40	176.4
Exterior	42.0	12.30	516.6	Exterior Insulated	21.0	8.40	176.4
Base Total:	**42.0**		**516.6**	**As-Built Total:**	**42.0**		**352.8**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	2461.0	2.05	5045.0	Under Attic	30.0	2461.0	2.05 X 1.00	5045.0
Base Total:	**2461.0**		**5045.0**	**As-Built Total:**		**2461.0**		**5045.0**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	154.0(p)	8.9	1370.6	Slab-On-Grade Edge Insulation	0.0	154.0(p	18.80	2895.2
Raised	0.0	0.00	0.0					
Base Total:			**1370.6**	**As-Built Total:**		**154.0**		**2895.2**

INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points
	2461.0	-0.59	-1452.0		2461.0	-0.59	-1452.0

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SE County Rd 18, Lake City, FL, 32055-** PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**15911.6**	**Winter As-Built Points:**						**16979.0**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
15911.6	**0.6274**	**9983.0**	16979.0 **16979.0**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.432 **0.432**	0.950 **0.950**	8091.7 **8091.7**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **SE County Rd 18, Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2746.00	8238.0	30.0	0.90	3	1.00	2684.98	1.00	8054.9	
				As-Built Total:						**8054.9**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
14939	**9983**	**8238**	**33160**	**7265**	**8092**	**8055**	**23412**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **SE County Rd 18, Lake City, FL, 32055-** PERMIT #:

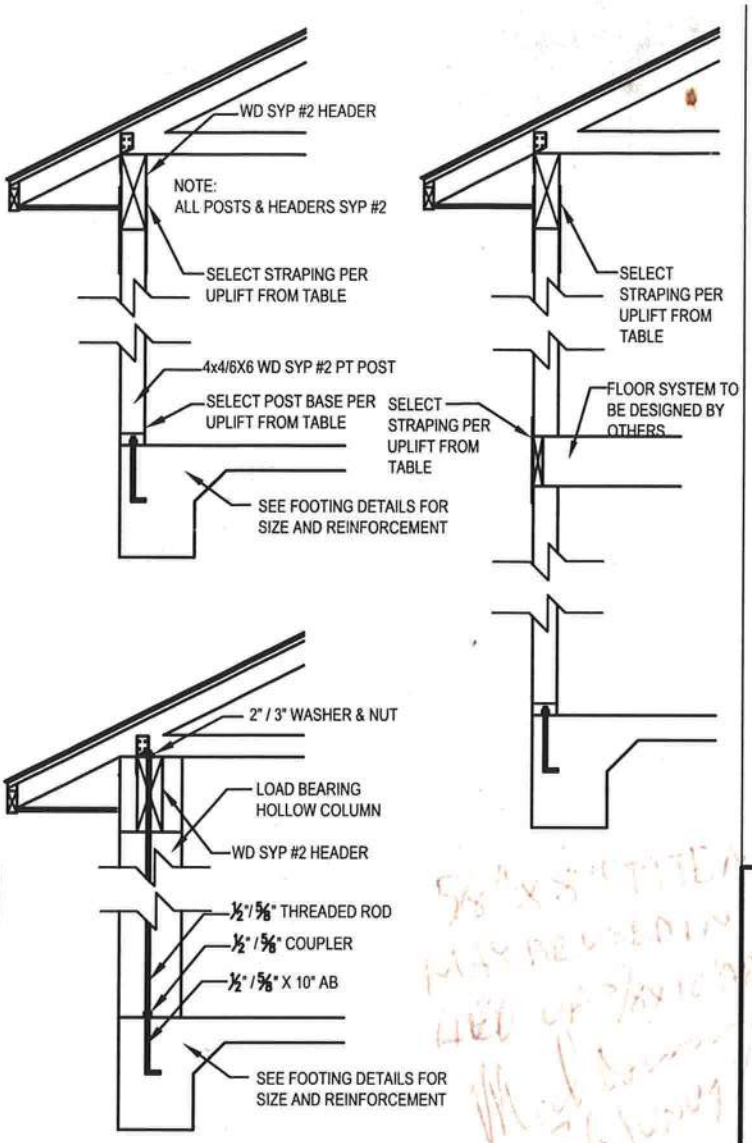
6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	✓
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	✓
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	✓
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	✓
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	✓
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	✓

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	✓
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	N/A
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	✓
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	✓
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	✓
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	✓

27741



SYP #2 PT WD POSTS			
TYPICAL POST UPLIFT	POST BASE ANCHOR	BETWEEN FLOOR STRAPING	HEADER STRAPING
555 LB	ABA44 W/ (6)-10d & ½" AB	(2) LSTA21 W/ (6)-10d EA.	(2) LSTA21 W/ (6)-10d EA.
720 LB	ABA66 W/ (8)-16d & ⅝" AB	(2) LSTA21 W/ (8)-10d EA.	(2) LSTA21 W/ (8)-10d EA.
2200 LB	ABU44 W/ (12)-16d, (2)½ BOLTS & ⅝"AB	(2) LSTA21 W/ (16)-10d EA.	(2) LSTA21 W/ (16)-10d EA.
2300 LB	ABU66 W/ (12)-16d, (2)½ BOLTS & ⅝"AB	(2) LSTA21 W/ (16)-10d EA.	(2) LSTA21 W/ (16)-10d EA.
HOLLOW COLUMN			
1500 LB	½" X 10" AB ATTACHED TO ½" THREADED ROD WITH ½" COUPLER THRU COLUMN & HEADER WITH 2" WASHER & NUT TOP		
2300 LB	⅝" X 10" AB ATTACHED TO ⅝" THREADED ROD WITH ⅝" COUPLER THRU COLUMN & HEADER WITH 3" WASHER & NUT TOP		

W12 - PORCH HEADER ANCHORS

SCALE: N.T.S. REV-18-JUL-03

REV-01-JUN-06

REV-27-Jul-04

WINDLOAD ENGINEERING

"EVERYTHING YOU NEED FOR YOUR BUILDING PERMIT"

Mark Disosway P.E.

POB 868, Lake City, FL 32056 Phone: (386) 754-5419

Fax: (386) 269-4871 Email: windloadengineer@bellsouth.net

Location: SE CR 18 Columbia County, Florida

Kim Williams Residence

Builder:

Designer:

Approved: FLPE#53915

6Mar09

Revisions:

Sheet S-1 of 1 Sheet

Windload Engineering

Job # 902244

BOARD OF COUNTY COMMISSIONERS

OFFICE OF

BUILDING & ZONING

COLUMBIA COUNTY, FLORIDA

CERTIFICATE OF OCCUPANCY RECEIPT

RECEIPT NUMBER / PERMIT NUMBER 000027741 DATE 03/26/2010

APPLICANT KIMBERLY WILLIAMS

OWNER KIMBERLY WILLIAMS

CONTRACTOR SAME AS APPLICANT

PARCEL ID NUMBER 24-6S-17-09769-003 NUMBER OF EXISTING DWELLINGS 0

TYPE OF DEVELOPMENT SFD,UTILITY

HEATED FLOOR AREA 2461.00 TOTAL AREA 4401.00

FEES:

FIRE FEE (5 ACRES OR LESS) 44.94

FIRE FEE (MORE THAN 5 ACRES) 40.60

WASTE ASSESSMENT FEE 117.25

TOTAL ASSESSMENT FEES CHARGED 202.79

CHECK NUMBER _____

MAKE CHECKS PAYABLE TO: BCC (Board of County Commissioners)

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

Never PAID - Sent to TAX office 9/3/10

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 24-6S-17-09769-003 **Building permit No.** 000027741

Use Classification SFD,UTILITY **Fire:** 85.54

Permit Holder SAME AS APPLICANT **Waste:** 117.25

Owner of Building KIMBERLY WILLIAMS **Total:** 202.79

Location: 512 SE WATERLEAF DRIVE, LAKE CITY, FL

Date: 03/26/2010

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Notice of Treatment 15461

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE BAYAVE
City LAKE CITY Phone 386 752-1703

Site Location: Subdivision Kim Williams
Lot # _____ Block# _____ Permit # 27741
Address 512 SE Waterleaf DR. L.C.

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	~~0.12%~~ .06
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Ext Perimeter		234	46.80

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 _____.

3-22-10	11:05	F299
Date	Time	Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 5365 Bo-Mar Ave
City Lake City Phone 752-1703

Site Location: Subdivision N/A
Lot # _____ Block# _____ Permit # 27741
Address 512 SE Waterleaf Dr

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

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Pool/Porch	3402	~~325~~ 234	320

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 _____.

5/21/09	1050	Fish Gunny
Date	Time	Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©