Columbia County Building Permits Application Application # 0904-41

Property ID Number 14-4S-15-00363-005 Septic Permit No. 09-0255

Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____

Construction of New Single Family Dwelling Cost of Construction 195,000

Mobile Home Permit - New or Used (Circle One) Year _____ Length _____ Width _____

Name of the Authorized Person Signing the Permit Chris Nye

Phone (904) 497-3341 Fax (386) 755-9864 755-9857 office

Address 321 N.W. Cole Terr. Suite #101, Lake City, FL 32055

Owners Name Mark Crusan Phone 386-963-4231

911 Address 158 S.W. Foxglove Gln., LC FL 32024

Relationship to Property Owner _____ Is this Home Replacing an Existing Home No

Contractors Name EBE WALTER Phone 229-225-1320

Company Name Pennyworth Homes Inc. Fax 229-227-6191

Address 679 Blackshear Rd, Thomasville, GA 31792

Fee Simple Owner Name & Address Same

Bonding Co. Name & Address Fidelity Deposit Company of Maryland, Baltimore, MD

Architect/Engineer Name & Address Thomas Bateman, 2467 Centerville Rd, Tallahassee FL 32308

Mortgage Lenders Name & Address _____

Driving Directions to the Property S on SR 247, to CR 242 Turn R go to flashing light. (Sabre) Turn right, go to SW. Weirdale Gln Turn R, go to S.W. Bunstead Terr Turn left, go to stop sign (S.W. Blanton Ln) Turn R, go 2/10 m. Dirt Drive ( ) Turn rt rd, go to Foxglove Gln Turn L, Lot @ end.

Lot Size 332' x 331' Total Acreage 2.5 Building across lot numbers _____

Actual Distance of Structure from Property Lines - Front/Road 209 Left Side 60 Right Side 208 Rear 1101

Number of Stories 1 Heated Floor Area 1716 Total Floor Area 1944 Roof Pitch 6/12

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

Progress Energy - Slash Pine Electric

Do you currently have an: Existing Drive or (Private Drive) or need a Culvert Permit or (Culvert Waiver)

(Currently using) (Blue Road Sign) (Putting in a Culvert) (No Culvert but do not need a Culvert)

SPOKE to Chris 5/14/09

Both Pages Must be Submitted to obtain a Building Permit.

Revised 12-30-08

Columbia County Building Permits Application Application #_____

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

TIME LIMITATIONS OF *PERMITS*: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

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

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

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

Mark L. Crusan

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 including all application and permit time limitations.

Contractor's Signature (Permitee)

Contractor's License Number CGC058477
Columbia County
Competency Card Number_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 16 **day of** April **20**09.

Personally known ✓ **or Produced Identification** —

State of Florida Notary Signature (For the Contractor)

SEAL:

CHRISTOPHER D NYE
MY COMMISSION # DD626224
EXPIRES January 02, 2011
(407)398-0153 FloridaNotaryService.com

Both Pages Must be Submitted to obtain a Building Permit.

Revised 12-30-08

AFFIDAVIT OF SUBDIVIDED REAL PROPERTY
FOR USE OF IMMEDIATE FAMILY MEMBERS
FOR PRIMARY RESIDENCE

STATE OF FLORIDA
COUNTY OF COLUMBIA

BEFORE ME the undersigned Notary Public personally appeared.

Edward Crusaw, Tresca R. Crusaw, the Owner of the parent tract which has been subdivided for immediate family primary residence use, hereinafter the Owner, and Mark L Crusaw, the family member of the Owner, who is the owner of the family parcel which is intended for immediate family primary residence use, hereafter the Family Member, and is related to the Owner as Brother-Sister, and both individuals being first duly sworn according to law, depose and say:

1. Both the Owner and the Family Member have personal knowledge of all matters set forth in this Affidavit.

2. The Owner holds fee simple title to certain real property situated in Columbia County, and more particularly described by reference to the Columbia county Property Appraiser Tax Parcel No. 14-4S-15-00363-002.

3. The Owner has divided his parent parcel for use of immediate family members for their primary residence and the parcel divided and the remaining parent parcel are at least ½ acre in size. Immediate family is defined as grandparent, parent, step-parent, adopted parent, sibling, child, step-child, adopted child or grandchild.

4. The Family Member is a member of the Owner's immediate family, as set forth above, and holds fee simple title to certain real property divided from the Owner's parcel situated in Columbia County and more particularly described by reference to the Columbia County Property Appraiser Tax Parcel No. 14-4S-15-00363-005.

5. No person or entity other than the Owner and Family Member claims or is presently entitled to the right of possession or is in possession of the property, and there are no tenancies, leases or other occupancies that affect the Property.

6. This Affidavit is made for the specific purpose of inducing Columbia County to recognize a family division for a family member on the parcel divided in accordance with Section 14.9 of the Columbia County Land Development Regulations.

7. This Affidavit is made and given by Affiants 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.

We Hereby Certify that the information contained in this Affidavit are true and correct.

Edward Crusaw
Owner

Mark L. Crusaw
Family Member

Edward Crusaw / Tresca R. Crusaw
Typed or Printed Name

Mark L. Crusaw
Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 9th day of February, 2009, by Edward Crusaw & Tresca Crusaw (Owner) who is personally known to me or has produced Fla. D/L as identification.

Notary Public

CHRISTOPHER D NYE
MY COMMISSION # DD626224
EXPIRES January 02, 2011
(407)398-0153 FloridaNotaryService.com

Subscribed and sworn to (or affirmed) before me this 9th day of February, 2009, by Mark Crusaw (Family Member) who is personally known to me or has produced Fla. D/L as identification.

Notary Public

CHRISTOPHER D NYE
MY COMMISSION # DD626224
EXPIRES January 02, 2011
(407)398-0153 FloridaNotaryService.com

STATE OF FLORIDA
DEPARTMENT OF HEALTH

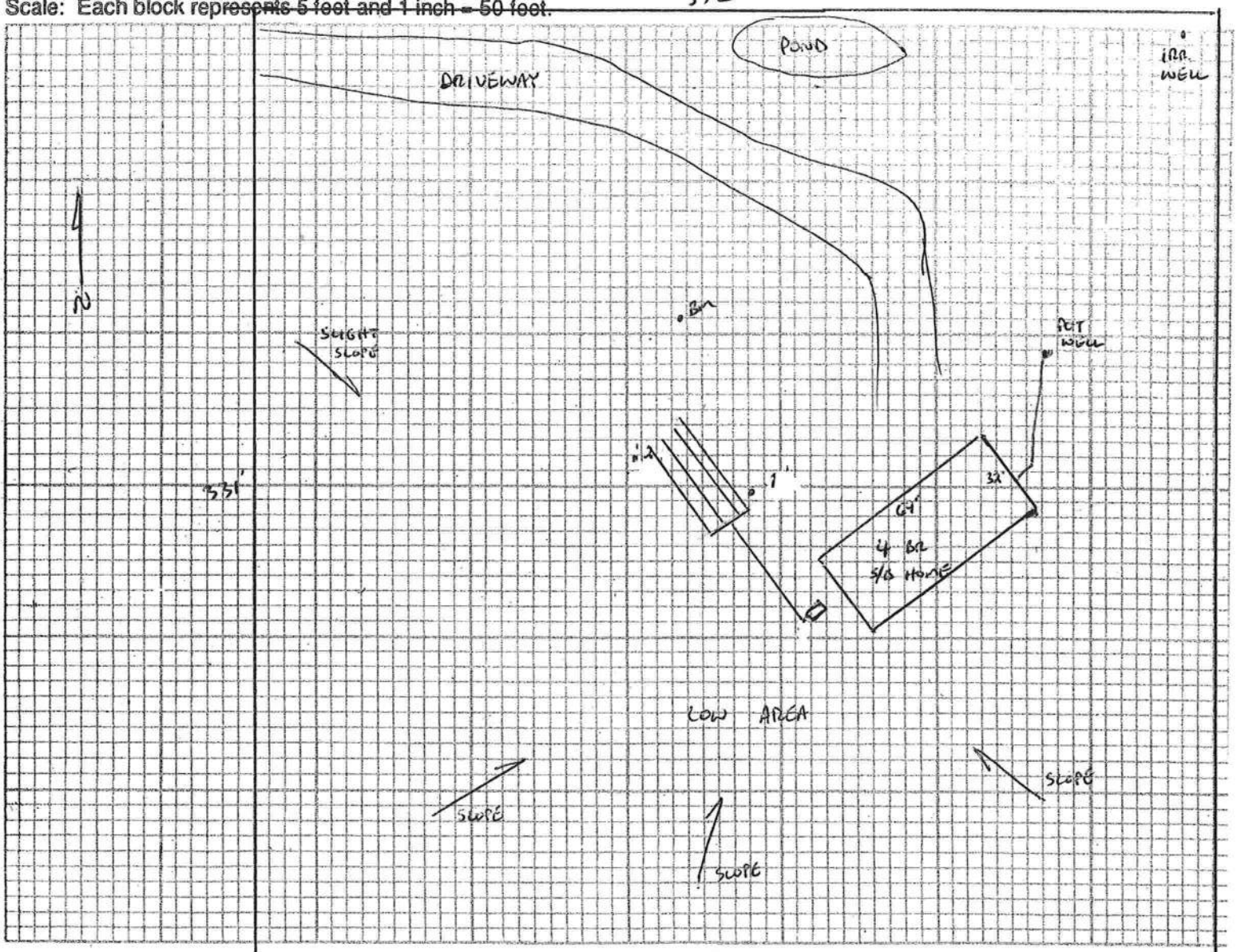
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

B#2 # 0904-41

Permit Application Number 09-0255-N

PART II - SITE PLAN

Scale: Each block ~~represents 5 feet and 1 inch = 50 feet.~~ 332'



Notes:

40' SOLID PIPE -

Site Plan submitted by: REVISED 5/21/9 Signature AGENT Title

Plan Approved Y Not Approved

APPROVED Columbia CHD

By County Health Departme

Date 7-13-09

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

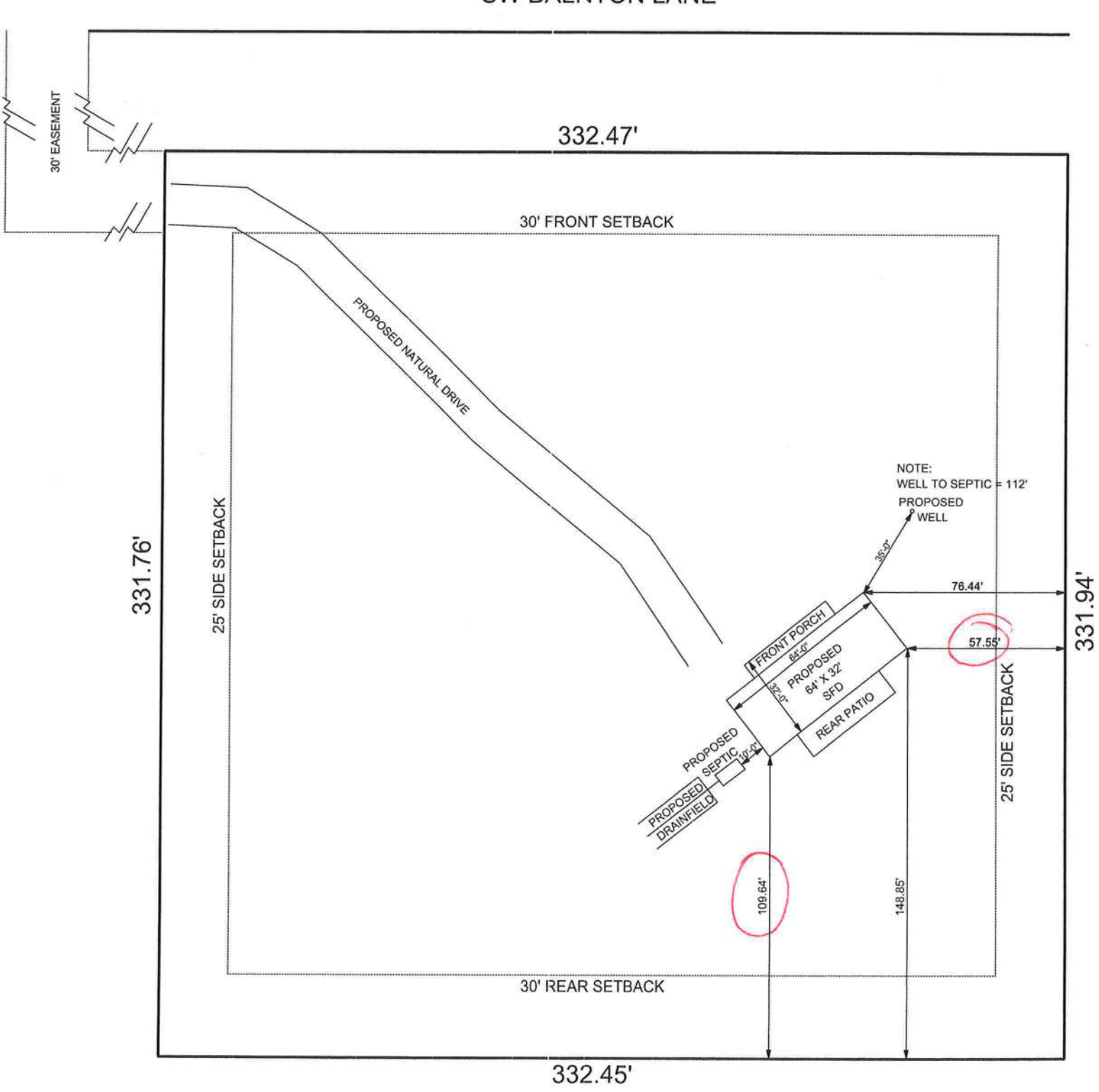
REVISED 7/13/09

DH 4015, 10/88 (Replaces HRS-H Form 4015 which may be used)

PROPOSED PLOT PLAN FOR:
MARK CRUSAW
XXX SW BLANTON LANE
LAKE CITY, FL.
COLUMBIA COUNTY
4 BEDRM / 2 BATH 1664 SQ FT

SUBMITTED BY: PENNYWORTH HOMES INC.

DATE: 1/28/09 **SCALE: 1" = 50'0"**



Prepared by: Dale C. Ferguson
Attorney at Law
P.O. Box 111
Lake City, Florida 32056-0111

BK 0880 PG 2402

Documentary Stamp # 10500
Intangible Tax
P. DeWitt Cason
Clerk of Court
By MK D.C.

OFFICIAL RECORDS

WARRANTY DEED

THIS INDENTURE, Made this 20th day of May, 1999, **BETWEEN** HENRY CRUSAW, a married man not residing on the below described real property, party of the first part, and EDWARD L. CRUSAW, T. RENEE CRUSAW AND MARK L. CRUSAW, each as to an undivided one-third interest, as tenants in common, whose post office address is 2406 Lake Drive, Lake City, FL 32055, parties of the second part.

WITNESSETH, That the party of the first part, for and in consideration of the sum of Ten and No/100 ($10.00) Dollars, to him in hand paid by the said parties of the second part, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said parties of the second part, their heirs and assigns forever, the following described land, situate, and being in the County of Columbia, State of Florida, to-wit:

Township 4 South, Range 15 East

Section 14: S 1/2 of NW 1/4 of SE 1/4, less and except the South 330 feet thereof, containing 10 acres more or less.

Subject to real property taxes accruing subsequent to December 31, 1998 and subject to easements and mineral rights and interest of record.

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

IN WITNESS WHEREOF, The said party of the first part has hereunto set his hand and seal the day and year first above written.

Signed, sealed and delivered
in the presence of:

Dale C Ferguson
Printed Name: DALE C FERGUSON

Karen M Wright
Printed Name: Karen M. Wright

"Witnesses"

Henry Crusaw (SEAL)
HENRY CRUSAW

Address: 18497 29th Road
Wellborn, Fla. 32094

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 20th day of May, 1999, by Henry Crusaw, who is personally known to me or who has produced Personal Knowledge as identification and who did not take an oath.

(Notarial Seal)

Karen M Wright
Notary Public

KAREN M. WRIGHT
MY COMMISSION # CC 704108
EXPIRES: January 17, 2002
Bonded Thru Notary Public Underwriters

Commission No.
My Commission Expires:

99-08796

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FL.
1999 MAY 20 PM 3:07
RECORD VERIFIED
P. DeWitt Cason
CLERK OF CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA
BY MK

#283

Columbia County, Florida
Planning & Zoning Department

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

To: Chris Nye, Pennyworth Homes Fax: 386.755.9864

From : Brian L. Kepner, County Planner Fax: 386.758.2160

Number of Pages : 3 Date : 7 May 2009

RE: Building Permit Application 0904-41, Mark Crusaw

Dear Chris:

The above referenced building permit application property is located within an Agriculture-3 (A-3) zoning district. This zoning district requires a minimum of five (5) acres for one (1) dwelling unit. Under the County's Land Development Regulations (LDR's) a Special Family Lot Permit can be issued to a family member being, brother, sister, parent, grandparent, child, adopted child or grandchild. A family affidavit will need to be completed and submitted prior to a building permit being issued. Please find attached a copy of the family relationship affidavit.

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

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

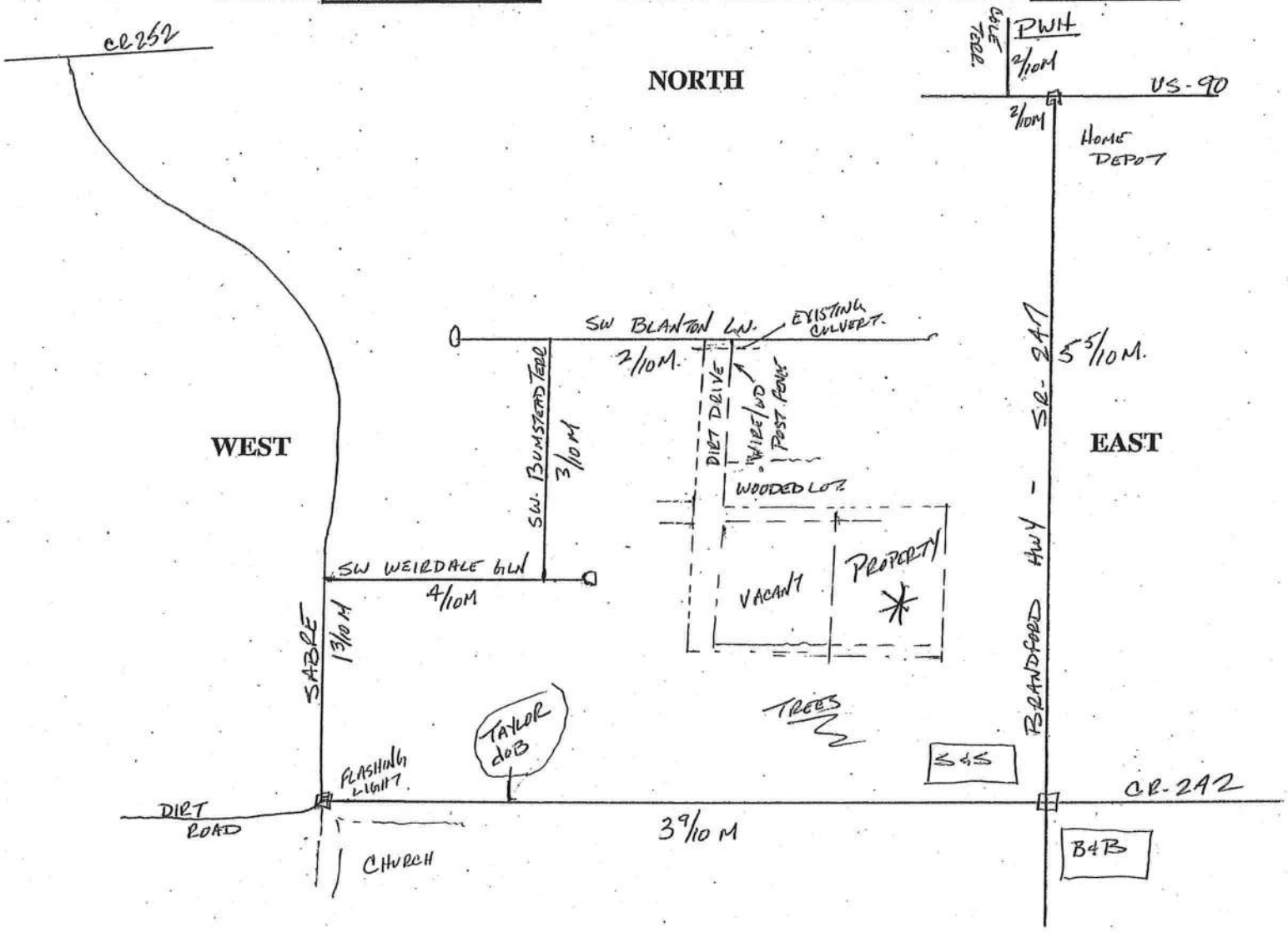
Attachment

PWH HOMES

DIRECTIONS TO JOB SITE OF: Crusaw, Mark

JOB # _____ **ADDRESS:** 158 S.W. Foxglove Gln.
Lake City, Fl. 32024

MODEL Quincy **Number of miles from PWH Office:** 13 Miles



TYPE DETAILED DIRECTIONS BELOW INCLUDING IDENTIFYING LANDMARKS, SUCH AS STORES, SIGNS, GAS STATIONS, ETC. WITH MILEAGE BETWEEN ROADS LISTED. BE VERY DETAILED AND DOUBLE CHECK FOR ACCURACY. POST PWH SIGN ON THE JOB.

FOR: MARK CRUSAW JOB.

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 2/10/2009 **DATE ISSUED:** 4/20/2009

ENHANCED 9-1-1 ADDRESS:

158 SW FOXGLOVE GLN

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

14-4S-15-00363-005

Remarks:

REQUIRED ROAD NAMES FOR ADDRESSING

Approved Address

APR 2 0 2009

911Addressing/GIS Dept

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

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

1420

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	Pennyworth Homes The Crusaw Residence	Builder Name:	Pennyworth Homes
Street:	SW Blanton Lane	Permit Office:	Columbia County
City, State, Zip:	Lake City , FL ,	Permit Number:	27953
Owner:	Crusaw Family	Jurisdiction:	221000
Design Location:	FL, Gainesville		

1. New construction or existing	New (From Plans)			
2. Single family or multiple family	Single-family			
3. Number of units, if multiple family	1			
4. Number of Bedrooms	3			
5. Is this a worst case?	No			
6. Conditioned floor area (ft²)	1716			
7. Windows	Description		Area	
a. U-Factor:	Dbl, U=0.65		93.00 ft²	
SHGC:	SHGC=0.35			
b. U-Factor:	Dbl, U=0.65		62.00 ft²	
SHGC:	SHGC=0.35			
c. U-Factor:	Tpl, U=0.55		42.00 ft²	
SHGC:	SHGC=0.70			
d. U-Factor:	Dbl, U=0.65		31.00 ft²	
SHGC:	SHGC=0.30			
e. U-Factor:	other		13.67 ft²	
SHGC:	other			
8. Floor Types		Insulation	Area	
a. Slab-On-Grade Edge Insulation		R=0.0	1716.00 ft²	
b. N/A		R=	ft²	
c. N/A		R=	ft²	

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1472.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1716.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
11. Ducts		
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 400 ft²		
12. Cooling systems		
a. Central Unit	Cap: 39 kBtu/hr SEER: 13	
13. Heating systems		
a. Electric Heat Pump	Cap: 39 kBtu/hr HSPF: 7.7	
14. Hot water systems		
a. Electric	Cap: 50 gallons EF: 0.92	
b. Conservation features None		
15. Credits	None	

Glass/Floor Area: 0.141

Total As-Built Modified Loads: 30.50

Total Baseline Loads: 37.36

PASS

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

PREPARED BY: Anne Paisnett

DATE: 4/15/09

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

OWNER/AGENT: Shaun Bishop

DATE: 4/15/09

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: _____

- **Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with N1110.A.3.**
- **Compliance requires an air distribution system test report, by a Florida Class 1 Rater, confirming system leakage to outdoors is not greater then 51.4799995422363 cfm at 25 pascals pressure difference in accordance with N1110.A.2.**
- **Compliance requires a roof absorptance test in accordance with N1104.A.4.**

PROJECT

Title:	Pennyworth Homes The Crus	Bedrooms:	3	Adress Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	Crusaw Family	Conditioned Area:	1716	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:	Pennyworth Homes	Worst Case:	No	Street:	SW Blanton Lan
Permit Office:	Columbia County	Rotate Angle:	0	County:	Columbia
Jurisdiction:		Cross Ventilation:	No	City, State, Zip:	Lake City ,
Family Type:	Single-family	Whole House Fan:	No		FL ,
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

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

FLOORS

√	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	190 ft	0	1716 ft²	0.2	0	0.8

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Gable or shed	Composition shingles	1919 ft²	430 ft²	Medium	0.76	Yes	0	26.6 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1716 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	1716 ft²	0.1	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	NW	Exterior	Frame - Wood	13	208 ft²	0.5	0.1	0.75
_____	2	NE	Exterior	Frame - Wood	13	528 ft²	0.5	0.1	0.75
_____	3	SE	Exterior	Frame - Wood	13	208 ft²	0.5	0.1	0.75
_____	4	SW	Exterior	Frame - Wood	13	528 ft²	0.5	0.1	0.75

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	NE	Insulated	None	0.4	20 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	NE	Vinyl	Double (Tinted)	Yes	0.65	0.35	N	62 ft²	0 ft 0 in	0 ft 0 in	HERS 2006	None
_____	2	NE	Vinyl	Double (Clear)	Yes	0.65	0.35	N	93 ft²	6 ft 8 in	2 ft 4 in	HERS 2006	None
_____	3	SW	Vinyl	Double (Clear)	Yes	0.65	0.3	N	31 ft²	0 ft 0 in	0 ft 0 in	HERS 2006	None
_____	4	SW	Vinyl	Triple (Clear)	Yes	0.55	0.7	N	42 ft²	0 ft 0 in	0 ft 0 in	HERS 2006	None
_____	5	SW	Vinyl	Double (Clear)	Yes	0.55	0.7	N	13.67 ft²	0 ft 0 in	0 ft 0 in	HERS 2006	None

INFILTRATION & VENTING

√	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ---- Supply CFM	Exhaust CFM	Run Time Fraction	Fan Watts
_____	Default	0.00036	1620	7.08	89.0	167.3	0 cfm	0 cfm	0	0

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
_____	1	Central Unit	None	SEER: 13	39 kBtu/hr	1170 cfm	0.75	False

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ductless
_____	1	Electric Heat Pump	None	HSPF: 7.7	39 kBtu/hr	False

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.92	50 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	400 ft²	Attic	100 ft²	Prop. Leak Free	Interior	51.48 cfm	4.40 %	0.03	0.00

TEMPERATURES

Programable Thermostat: N

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Heating	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Venting	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]

Thermostat Schedule: HERS 2006 Reference

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

FORM 1100A-08

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS: SW Blanton Lane Lake City, FL,	PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.1.2.1	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	N1106.AB.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	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	N1106.AB.1.2.4	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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 82

The lower the EnergyPerformance Index, the more efficient the home.

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	3	
5. Is this a worst case?	No	
6. Conditioned floor area (ft²)	1716	

7. Windows**	Description	Area
a. U-Factor:	Dbl, U=0.65	93.00 ft²
SHGC:	SHGC=0.35	
b. U-Factor:	Dbl, U=0.65	62.00 ft²
SHGC:	SHGC=0.35	
c. U-Factor:	Tpl, U=0.55	42.00 ft²
SHGC:	SHGC=0.70	
d. U-Factor:	Dbl, U=0.65	31.00 ft²
SHGC:	SHGC=0.30	
e. U-Factor:	other	13.67 ft²
SHGC:	other	

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1716.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1472.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1716.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
   a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 400 ft²

12. Cooling systems
   a. Central Unit — Cap: 39 kBtu/hr, SEER: 13

13. Heating systems
   a. Electric Heat Pump — Cap: 39 kBtu/hr, HSPF: 7.7

14. Hot water systems
   a. Electric — Cap: 50 gallons, EF: 0.92
   b. Conservation features
      None

15. Credits — None

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: Steven Bishop   Date: 4/15/09

Address of New Home: SW Blanton Lane   City/FL Zip: Lake City, FL

*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at (321) 638-1492 or see the Energy Gauge web site at energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the Department of Community Affairs at (850) 487-1824.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

T R A C E   6 0 0   A N A L Y S I S

by BLUE HERON CONSULTING

PENNYWORTH HOMES CRUSAW RESIDENCE
LAKE CITY, FL

Weather File Code:	GAINSVIL	
Location:		
Latitude:	29.0	(deg)
Longitude:	82.0	(deg)
Time Zone:	5	
Elevation:	155	(ft)
Barometric Pressure:	29.7	(in. Hg)
Summer Clearness Number:	0.95	
Winter Clearness Number:	0.95	
Summer Design Dry Bulb:	93	(F)
Summer Design Wet Bulb:	77	(F)
Winter Design Dry Bulb:	31	(F)
Summer Ground Reflectance:	0.20	
Winter Ground Reflectance:	0.20	
Air Density:	0.0756	(Lbm/cuft)
Air Specific Heat:	0.2444	(Btu/lbm/F)
Density-Specific Heat Prod:	1.1087	(Btu-min./hr/cuft/F)
Latent Heat Factor:	4,880.3	(Btu-min./hr/cuft)
Enthalpy Factor:	4.5356	(Lb-min./hr/cuft)
Design Simulation Period:	June	To November
System Simulation Period:	January	To December
Cooling Load Methodology:	TETD/Time Averaging	
Time/Date Program was Run:	19:30:43	3/25/ 9
Dataset Name:	PWHCRU .TM	

AIRFLOW - ALTERNATIVE 1

S Y S T E M S U M M A R Y
(Design Airflow Quantities)

System Number	System Type	Main: Outside Airflow (Cfm)	Main: Cooling Airflow (Cfm)	Main: Heating Airflow (Cfm)	Main: Return Airflow (Cfm)	Main: Exhaust Airflow (Cfm)	Auxil. Supply Airflow (Cfm)	Room Exhaust Airflow (Cfm)
1	SZ	100	1,553	1,553	1,553	100	0	0
Totals		100	1,553	1,553	1,553	100	0	0

CAPACITY - ALTERNATIVE 1

S Y S T E M S U M M A R Y
(Design Capacity Quantities)

System Number	System Type	Cooling: Main Sys. Capacity (Tons)	Cooling: Aux. Sys. Capacity (Tons)	Cooling: Opt. Vent Capacity (Tons)	Cooling Totals (Tons)	Heating: Main Sys. Capacity (Btuh)	Heating: Aux. Sys. Capacity (Btuh)	Heating: Preheat Capacity (Btuh)	Heating: Reheat Capacity (Btuh)	Heating: Humidif. Capacity (Btuh)	Heating: Opt. Vent Capacity (Btuh)	Heating Totals (Btuh)
1	SZ	3.3	0.0	0.0	3.3	-23,543	0	0	0	0	0	-23,543
Totals		3.3	0.0	0.0	3.3	-23,543	0	0	0	0	0	-23,543

The building peaked at hour 17 month 8 with a capacity of 3.3 tons

ENGINEERING CHECKS - ALTERNATIVE 1

E N G I N E E R I N G C H E C K S

System Number	Main/ Auxiliary	System Type	Percent Outside Air	Cooling: Cfm/ Sq Ft	Cooling: Cfm/ Ton	Cooling: Sq Ft /Ton	Cooling: Btuh/ Sq Ft	Heating: Cfm/ Sq Ft	Heating: Btuh/ Sq Ft	Floor Area Sq Ft
1	Main	SZ	6.44	0.90	471.5	521.0	23.03	0.90	-13.72	1,716

SYSTEM CHECKSUMS System 1 Peak SZ - SINGLE ZONE SYSTEM

	COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK		
Peaked at Time ==>	Mo/Hr: 8/17					Mo/Hr: 8/17		Mo/Hr: 13/ 1		
Outside Air ==>	OADB/WB/HR: 94/ 77/112.0					OADB: 94		OADB: 31		
	Space Sens.+Lat.	Ret. Air Sensible	Ret. Air Latent	Net Total	Percnt Of Tot	Space Sensible	Percnt Of Tot	Space Peak Space Sens	Coil Peak Tot Sens	Percnt Of Tot
Envelope Loads	(Btuh)	(Btuh)	(Btuh)	(Btuh)	(%)	(Btuh)	(%)	(Btuh)	(Btuh)	(%)
Skylite Solr	0	0		0	0.00	0	0.00	0	0	0.00
Skylite Cond	0	0		0	0.00	0	0.00	0	0	0.00
Roof Cond	7,559	0		7,559	19.13	7,559	22.52	-3,518	-3,518	14.94
Glass Solar	17,094	0		17,094	43.25	17,094	50.92	0	0	0.00
Glass Cond	3,283	0		3,283	8.31	3,283	9.78	-7,458	-7,458	31.68
Wall Cond	5,633	0		5,633	14.25	5,633	16.78	-4,476	-4,476	19.01
Partition	0			0	0.00	0	0.00	0	0	0.00
Exposed Floor	0			0	0.00	0	0.00	-3,546	-3,546	15.06
Infiltration	0			0	0.00	0	0.00	0	0	0.00
Sub Total==>	33,569	0		33,569	84.94	33,569	100.00	-18,997	-18,997	80.69
Internal Loads										
Lights	0	0		0	0.00	0	0.00	0	0	0.00
People	0			0	0.00	0	0.00	0	0	0.00
Misc	0	0	0	0	0.00	0	0.00	0	0	0.00
Sub Total==>	0	0	0	0	0.00	0	0.00	0	0	0.00
Ceiling Load	0	0		0	0.00	0	0.00	0	0	0.00
Outside Air	0	0	0	5,400	13.66	0	0.00	0	-4,546	19.31
Sup. Fan Heat				552	1.40		0.00		0	0.00
Ret. Fan Heat		0		0	0.00		0.00		0	0.00
Duct Heat Pkup		0		0	0.00		0.00		0	0.00
OV/UNDR Sizing	0			0	0.00	0	0.00	0	0	0.00
Exhaust Heat		0	0	0	0.00		0.00		0	0.00
Terminal Bypass		0	0	0	0.00		0.00		0	0.00
Grand Total==>	33,569	0	0	39,521	100.00	33,569	100.00	-18,997	-23,543	100.00

COOLING COIL SELECTION

	Total Capacity (Tons)	Total Capacity (Mbh)	Sens Cap. (Mbh)	Coil Airfl (cfm)	Entering DB F	Entering WB F	Entering Grains	Leaving DB F	Leaving WB F	Leaving Grains
Main Clg	3.3	39.5	36.2	1,553	76.2	63.5	68.0	55.2	54.4	62.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Totals	3.3	39.5								

AREAS

	Gross Total	Glass (sf)	(%)
Floor	1,716		
Part	0		
ExFlr	184		
Roof	1,716	0	0
Wall	1,472	259	18

HEATING COIL SELECTION

	Capacity (Mbh)	Coil Airfl (cfm)	Ent Deg F	Lvg Deg F
Main Htg	-23.5	1,553	69.4	83.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.0	1,553	69.4	55.2
Reheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-23.5			

AIRFLOWS (cfm)

Type	Cooling	Heating
Vent	100	100
Infil	0	0
Supply	1,553	1,553
Mincfm	0	0
Return	1,553	1,553
Exhaust	100	100
Rm Exh	0	0
Auxil	0	0

ENGINEERING CHECKS

Clg % OA	6.4
Clg Cfm/Sqft	0.90
Clg Cfm/Ton	471.47
Clg Sqft/Ton	521.04
Clg Btuh/Sqft	23.03
No. People	0
Htg % OA	6.4
Htg Cfm/SqFt	0.90
Htg Btuh/SqFt	-13.72

TEMPERATURES (F)

Type	Clg	Htg
SADB	55.5	83.0
Plenum	75.0	72.0
Return	75.0	72.0
Ret/OA	76.2	69.4
Runarnd	75.0	72.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.2	0.0

MAIN SYSTEM COOLING - ALTERNATIVE 1

P E A K C O O L I N G L O A D S
(Main System)

Room Number	Description	Peak Time Mo/Hr	Space: OA Cond. DB/WB (F)	Space: Rm Dry Blb (F)	Space: Supp. Dry Bulb (F)	Space: Air Flow (Cfm)	Space: Sens. Load (Btuh)	Space: Lat. Load (Btuh)	Coil: Peak Time Mo/Hr	Coil: OA Cond. DB/WB (F)	Coil: Rm Dry Blb (F)	Coil: Supp. Dry Bulb (F)	Coil: Air Flow (Cfm)	Coil: Sens. Load (Btuh)	Coil: Lat. Load (Btuh)
100	FLOOR AREA	8/17	94	77	75	55.5	1,553	33,569	0	8/17	94	77	75	55.5	1,553	36,239	3,282
Zone 1	Total/Ave.		94	77	75	55.5	1,553	33,569	0		94	77	75	55.5	1,553	36,239	3,282
Zone 1	Block	8/17	94	77	75	55.5	1,553	33,569	0	8/17	94	77	75	55.5	1,553	36,239	3,282
System 1	Total/Ave.		94	77	75	55.5	1,553	33,569	0		94	77	75	55.5	1,553	36,239	3,282
System 1	Block	8/17	94	77	75	55.5	1,553	33,569	0	8/17	94	77	75	55.5	1,553	36,239	3,282

MAIN SYSTEM HEATING - ALTERNATIVE 1

P E A K H E A T I N G L O A D S
(Main System)

Room Number	Description	Floor Area (Sq Ft)	Space: Peak Time Mo/Hr	Space: OA Cond. DB/WB (F)	Space: Rm Dry Blb (F)	Space: Supp. Dry Bulb (F)	Space: Air Flow (Cfm)	Space: Sens. Load (Btuh)	Coil: Peak Time Mo/Hr	Coil: OA Cond. DB/WB (F)	Coil: Rm Dry Blb (F)	Coil: Supp. Dry Bulb (F)	Coil: Air Flow (Cfm)	Coil: Sens. Load (Btuh)
100	FLOOR AREA	1,716	13/ 1	31	27	72	83.0	1,553	-18,997	13/ 1	31	27	72	83.0	1,553	-23,543
Zone 1	Total/Ave.	1,716		31	27	72	83.0	1,553	-18,997		31	27	72	83.0	1,553	-23,543
Zone 1	Block	1,716	13/ 1	31	27	72	83.0	1,553	-18,997	13/ 1	31	27	72	83.0	1,553	-23,543
System 1	Total/Ave.	1,716		31	27	72	83.0	1,553	-18,997		31	27	72	83.0	1,553	-23,543
System 1	Block	1,716	13/ 1	31	27	72	83.0	1,553	-18,997	13/ 1	31	27	72	83.0	1,553	-23,543

♀

CONLIC	CONTRA	PERMNUM
CRC058477	EBE WALTER/PENNYWORTH HOMES	000023048
CRC058477	EBE WALTER/PENNYWORTH	000021160
CRC058477	PENNYWORTH HOMES	000024777
CRC058477	PENNYWORTH HOMES/EBE WALTER	000024805
CRC058477	EBE WALTER-PENNYWORTH HOMES	000024849
CRC058477	PENNYWORTH HOMES	000025330
CRC058477	EBE WALTER-PENNYWORTH HOMES	000026314
CRC058477	PENNYWORTH HOMES/CHRIS NYE	000027252
CRC058477	PENNYWORTH HOMES	000027455 2-23-09
CRC058477	PENNYWORTH HOMES	000027513 2-16-09
CRC058477	PENNYWORTH HOMES	000027546 4/23/09
CRC058477	EBE WALTER	000027953 — NO CO (MarkC rusaw) 00363-
CRC058477	PENNYWORTH HOMES/EBE WALTER	000027996 11/2/09

13 records selected.

Perm Power
RJ March 18, 2010
Need inspection Sept. 15th

NOC 4-15-10 has out
Need new before any Inspections

Application # 0904-41

Sound Structures Engineering, Inc.

2467 Centerville Road Tallahassee, Florida 32308
(850) 385-5288 Fax (850) 386-7586 ~ dectom@nettally.com

Pennyworth Homes, Inc.
May 4, 2009

RE: Soil Pressure
Sound Structures Activity Number 08S-296
Crusaw Residence

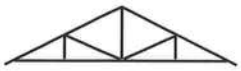
To Whom It May Concern:

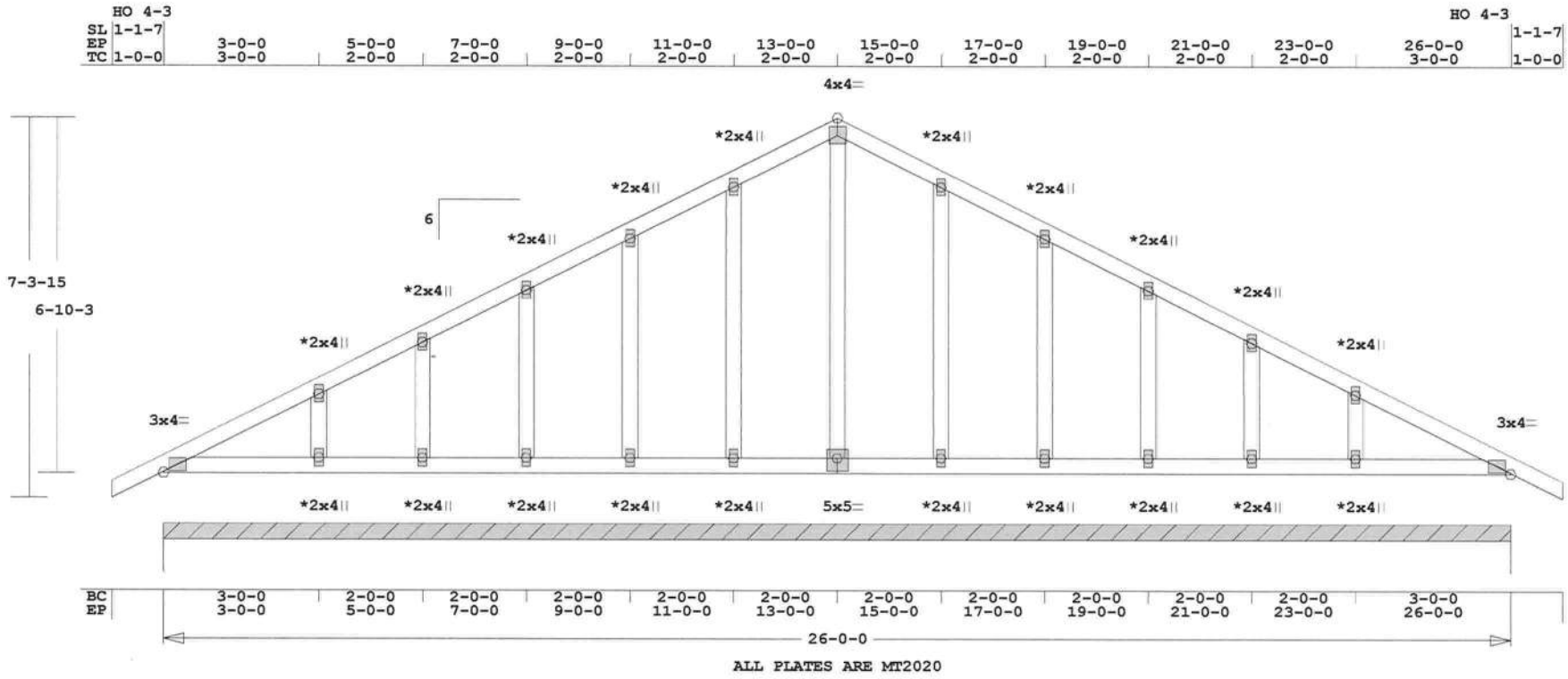
As per your request, the allowable soil pressure has been verified to be at 1500 psf for the above referenced project, without further modification to your plans.

If I can be of any further assistance, let me know.

Sincerely,

Thomas E. Beitelman
FL. PE #51870

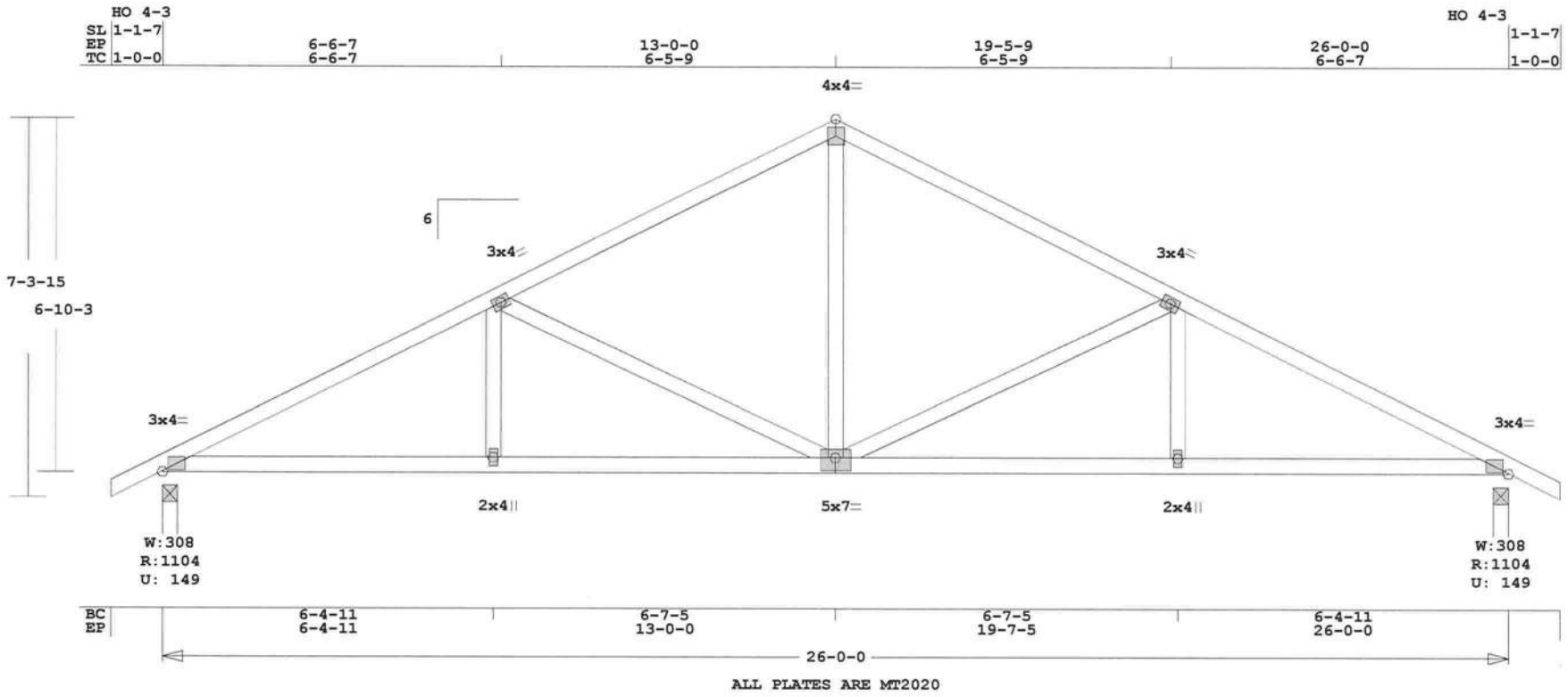
Qty	Plys	Truss Type	Mark	Reactions Horizontal	Vertical	Uplift	Sketch
			PENNY-CRUSAW/				
18	1	TR	A1	165	168	113	
					1473	233	
				166	1065	149	
			PENNY-CRUSAW/				
1	1	SP	A2	165	43	99	
					1620	255	
				166	1044	146	
			PENNY-CRUSAW/				
2	1	TR	A3GE	166	1557	209	
				166	1150	156	
			PENNY-CRUSAW/				
13	1	TR	B1	128	1104	149	
				128	1104	149	
			PENNY-CRUSAW/				
2	1	TR	B2GE		2208 Continuous Brg		



ALL PLATES ARE MT2020

Scale: 0.314" = 1'

CRUSAW	Robbins Engineering, Inc./Online Plus™						
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Single Drawing*
PENNY-CRUSAW	***B2GE***	2	TR	260000	6	1- 0- 0	1- 0- 0	

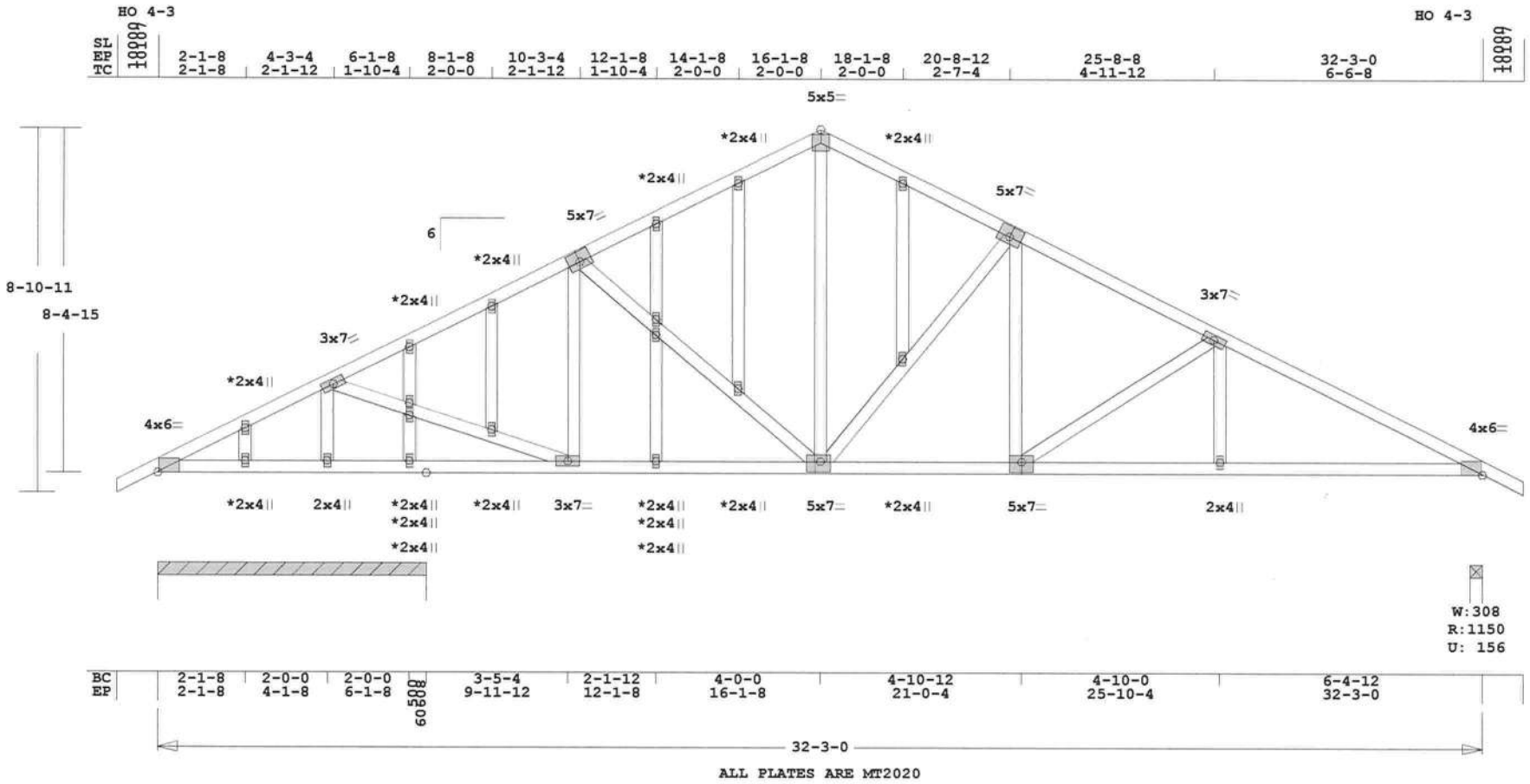


ALL PLATES ARE MT2020

Scale: 0.314" = 1'

CRUSAW — Robbins Engineering, Inc./Online Plus™

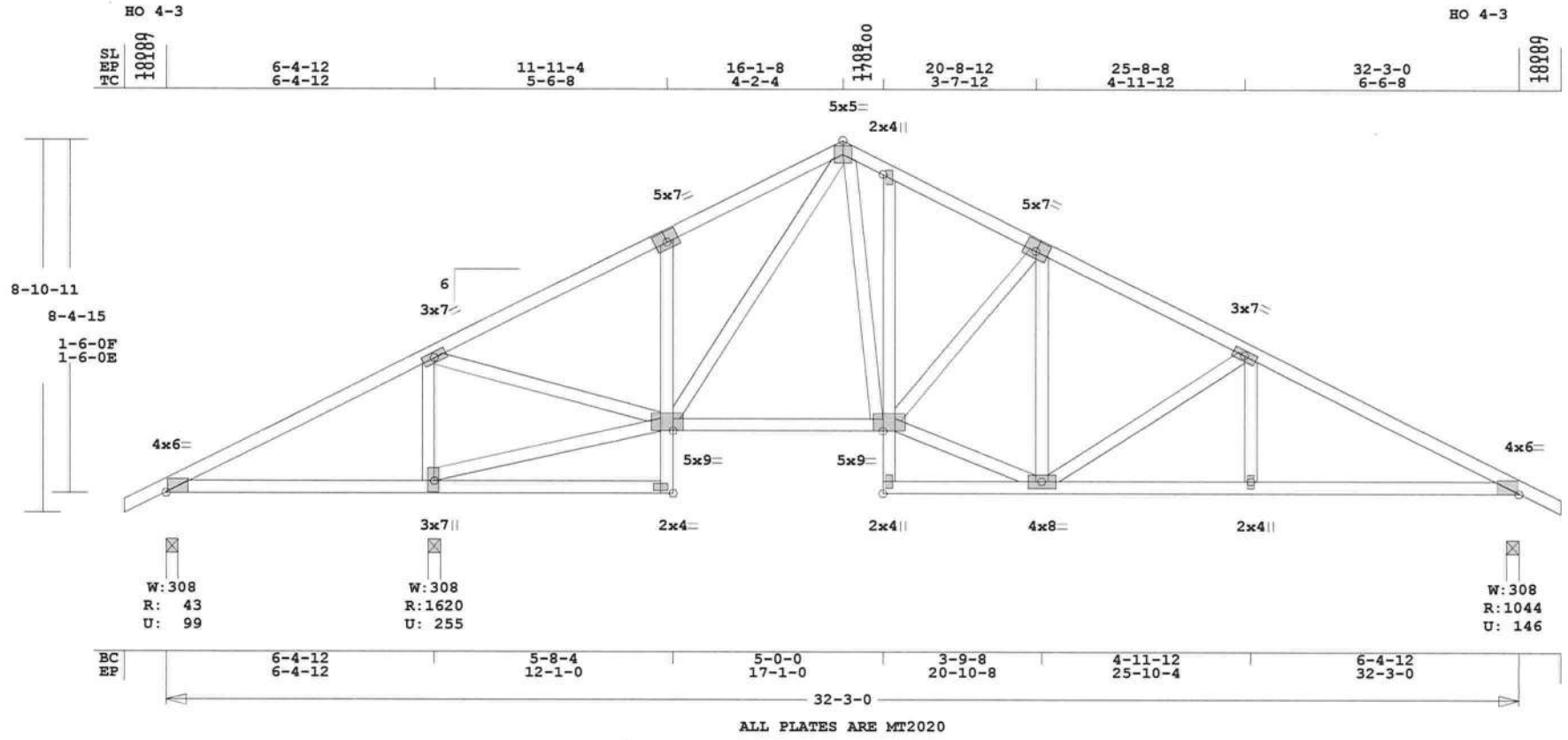
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	
PENNY-CRUSAW	*B1*	13	TR	260000	6	1- 0- 0	1- 0- 0	*Single Drawing*



Scale: 0.257" = 1'

CRUSAW — Robbins Engineering, Inc./Online Plus™

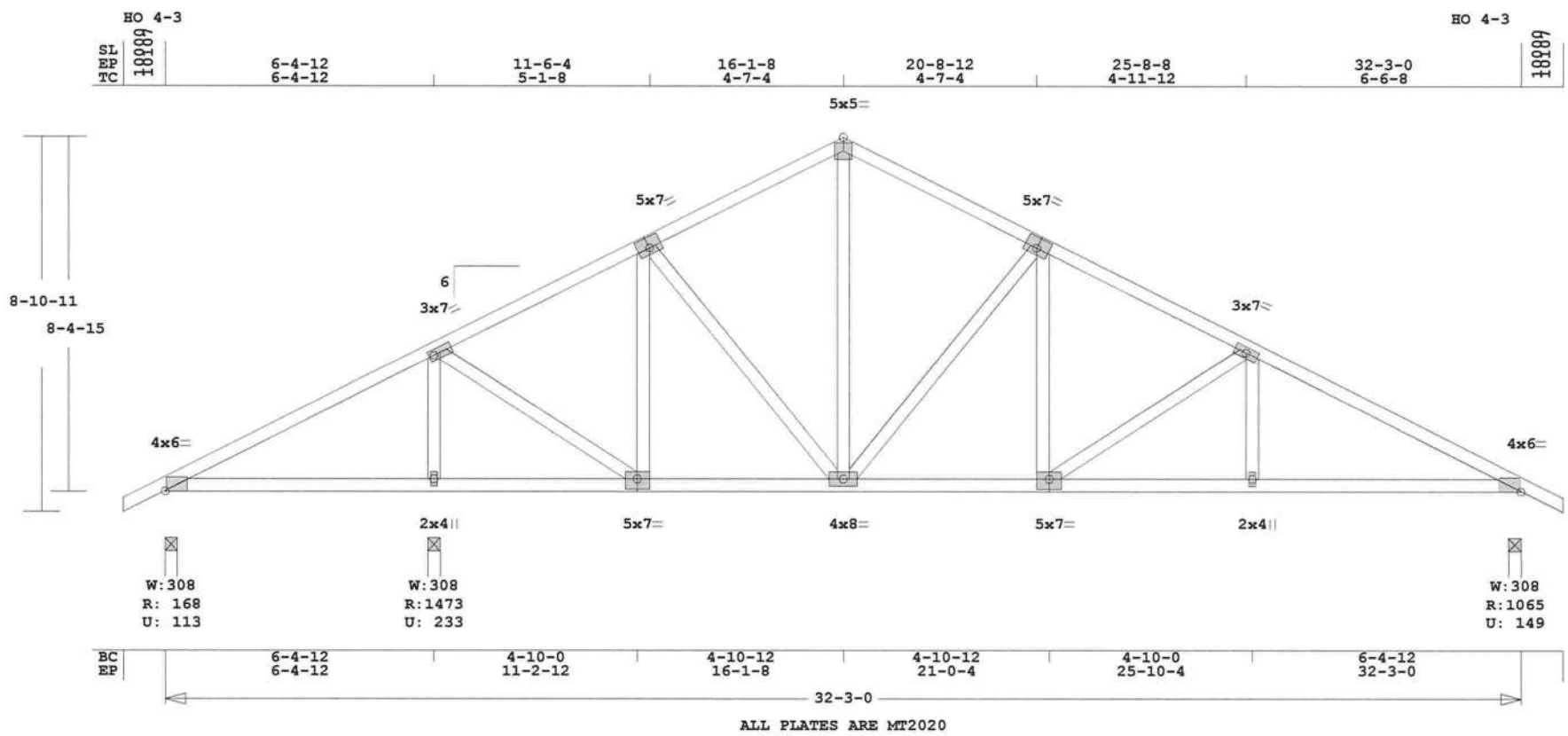
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	
PENNY-CRUSAW	A3GE	2	TR	320300	6	1- 0- 0	1- 0- 0	*Single Drawing*



Scale: 0.257" = 1'

CRUSAW	Robbins Engineering, Inc./Online Plus™						
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH
PENNY-CRUSAW	*A2*	1	SP	320300	6	1- 0- 0	1- 0- 0

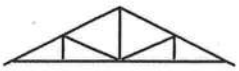
Single Drawing

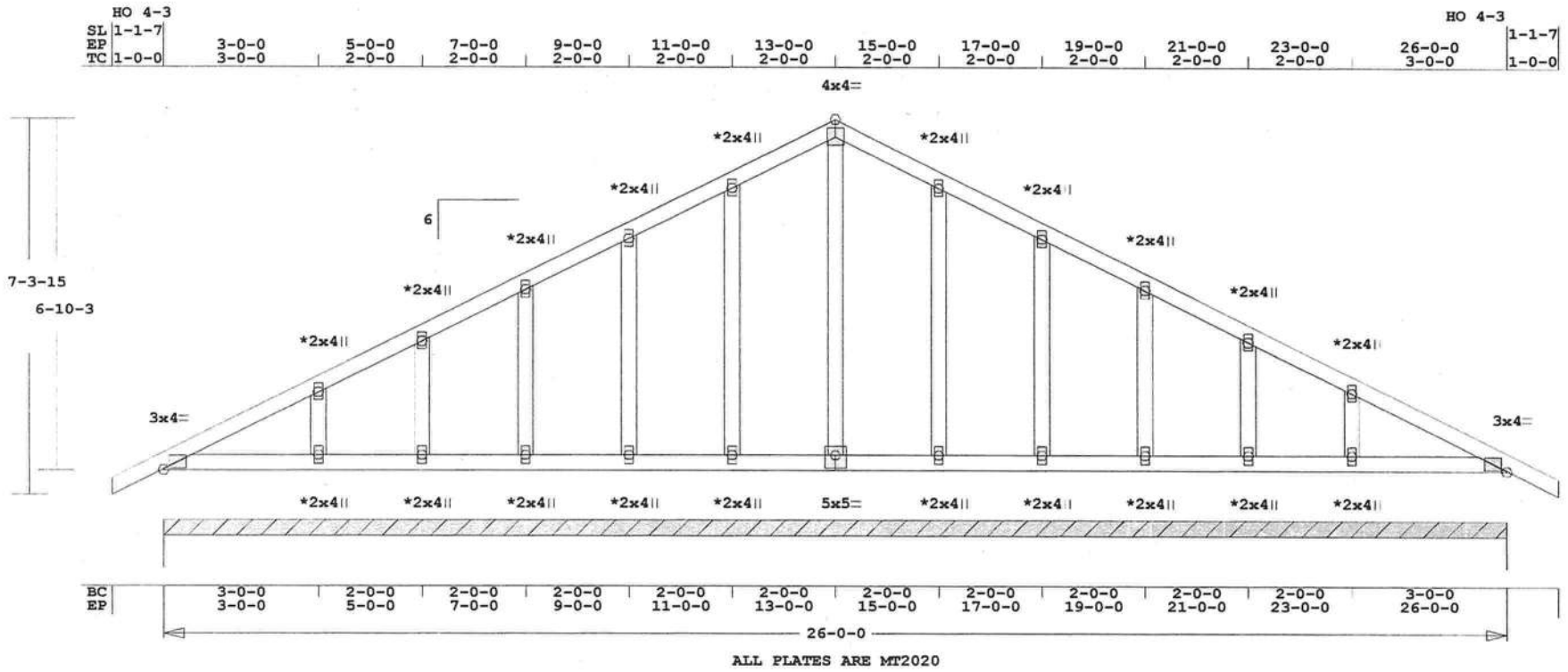


ALL PLATES ARE MT2020

Scale: 0.257" = 1'

CRUSAW		Robbins Engineering, Inc./Online Plus™						
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Single Drawing*
PENNY-CRUSAW	***A1***	18	TR	320300	6	1- 0- 0	1- 0- 0	

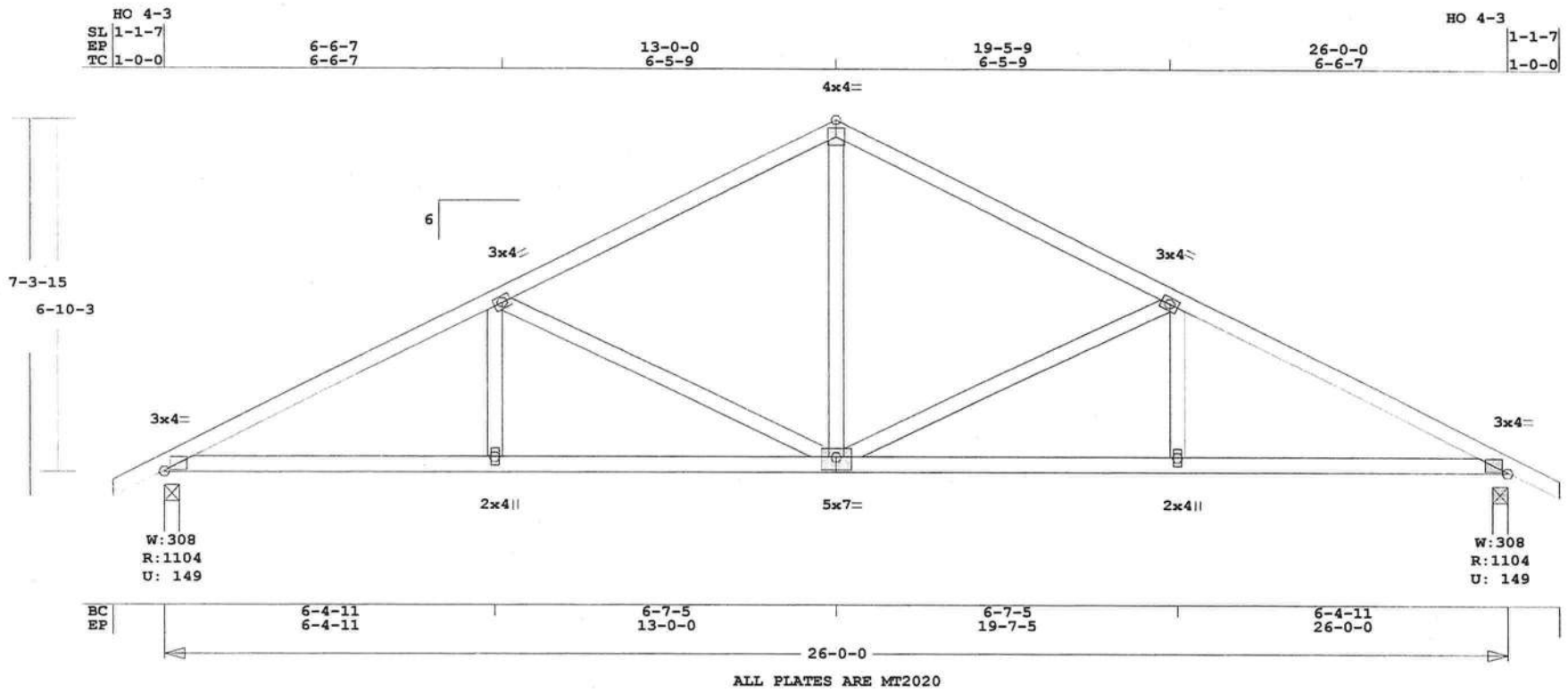
Qty	Plys	Truss Type	Mark	Reactions Horizontal	Vertical	Uplift	Sketch
			PENNY-CRUSAW/				
18	1	TR	A1	165	168	113	
					1473	233	
				166	1065	149	
			PENNY-CRUSAW/				
1	1	SP	A2	165	43	99	
					1620	255	
				166	1044	146	
			PENNY-CRUSAW/				
2	1	TR	A3GE	166	1557	209	
				166	1150	156	
			PENNY-CRUSAW/				
13	1	TR	B1	128	1104	149	
				128	1104	149	
			PENNY-CRUSAW/				
2	1	TR	B2GE		2208 Continuous Brg		



ALL PLATES ARE MT2020

Scale: 0.314" = 1'

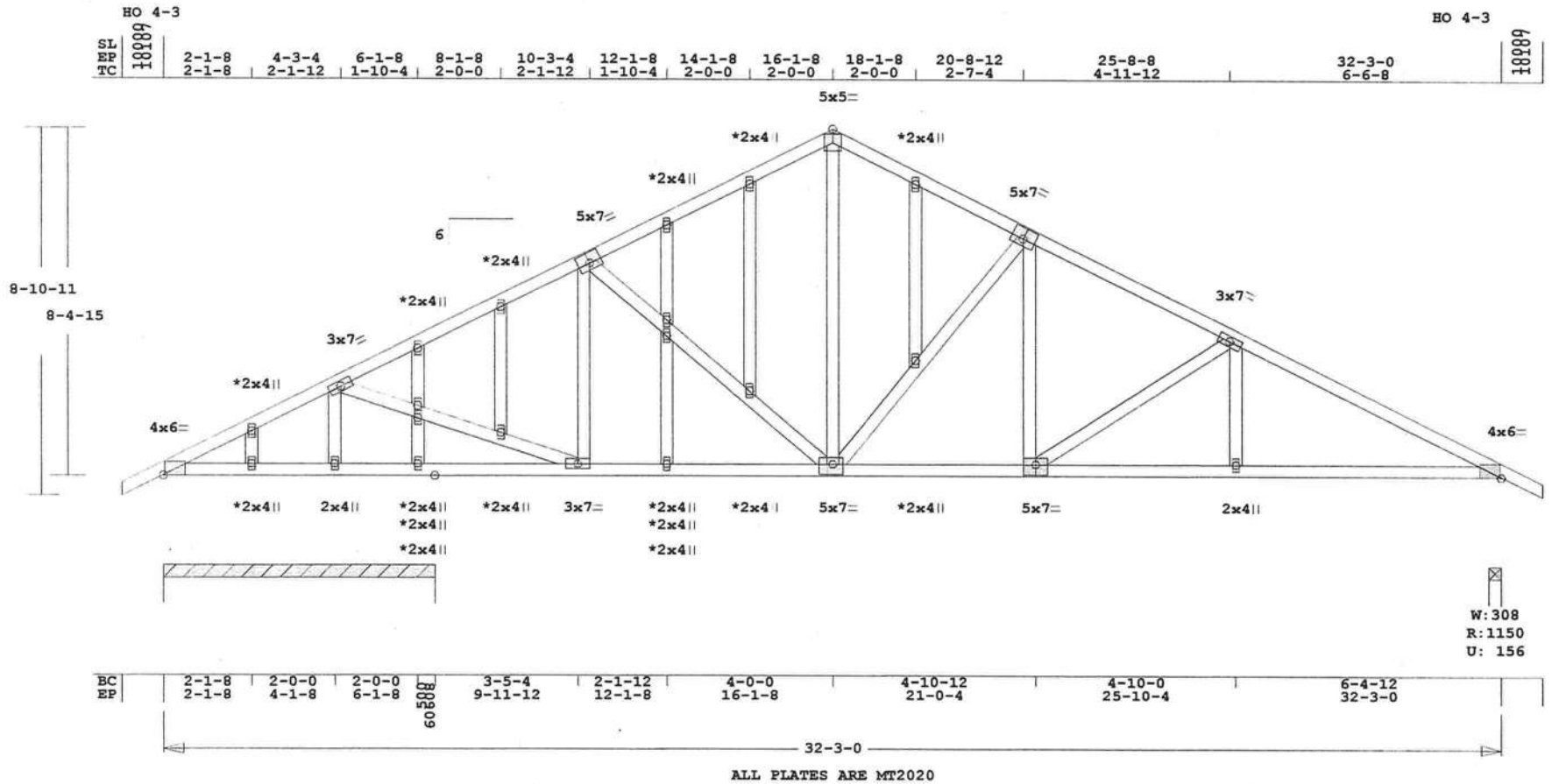
CRUSAW	Robbins Engineering, Inc./Online Plus℠						
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Single Drawing*
PENNY-CRUSAW	*B2GE*	2	TR	260000	6	1- 0- 0	1- 0- 0	



ALL PLATES ARE MT2020

Scale: 0.314" = 1'

CRUSAW	Robbins Engineering, Inc./Online Plus™						
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Single Drawing*
PENNY-CRUSAW	*B1*	13	TR	260000	6	1- 0- 0	1- 0- 0	

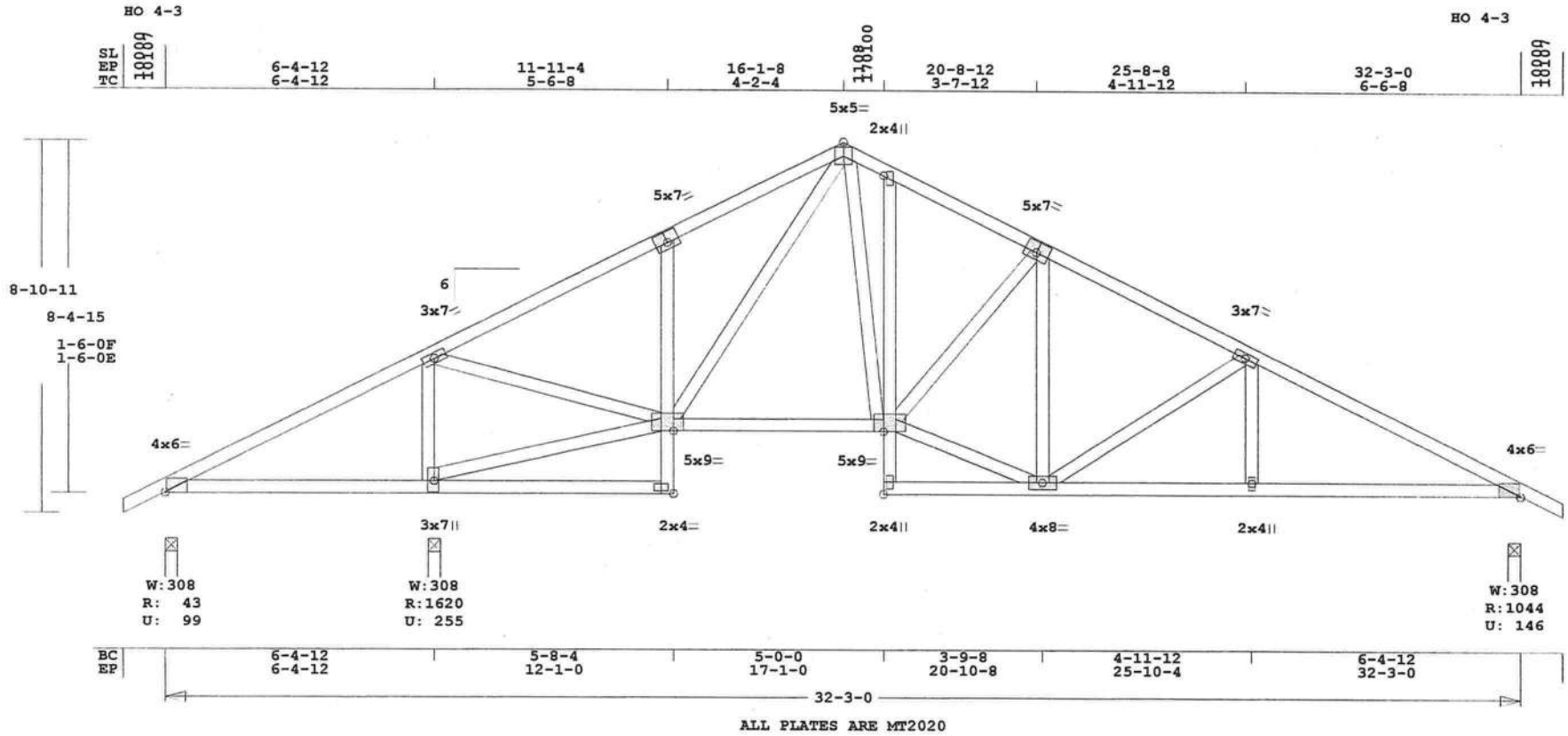


ALL PLATES ARE MT2020

Scale: 0.257" = 1'

CRUSAW	Robbins Engineering, Inc./Online Plus™						
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH
PENNY-CRUSAW	*A3GE*	2	TR	320300	6	1- 0- 0	1- 0- 0

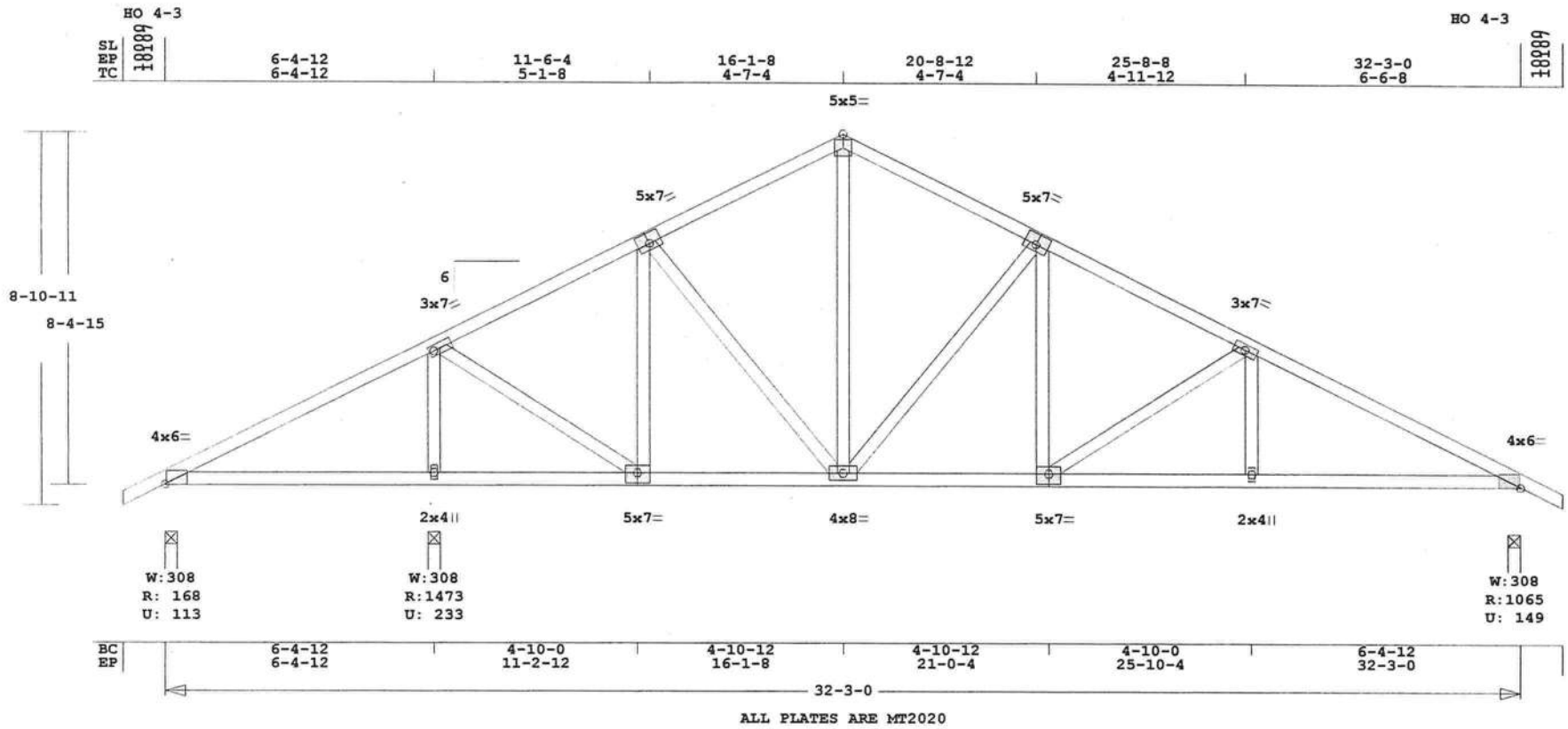
Single Drawing



Scale: 0.257" = 1'

CRUSAW — Robbins Engineering, Inc./Online Plus™

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	
PENNY-CRUSAW	*A2*	1	SP	320300	6	1- 0- 0	1- 0- 0	*Single Drawing*



ALL PLATES ARE MT2020

Scale: 0.257" = 1'

CRUSAW	Robbins Engineering, Inc./Online Plus™						
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Single Drawing*
PENNY-CRUSAW	*A1*	18	TR	320300	6	1- 0- 0	1- 0- 0	

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: 0904-41

Applicant: Renne Brinkley Owner/Builder: Property Identification number: 14-4s-15-00363-005

On the date of May 1, 2009 application 0904-41 and plans were reviewed for compliance of the 2007 with 2009 supplements Florida Building Code Residential.

The documents and plans submitted are for construction of a Group R-3 (single family dwelling) structure.

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

Under the submitted structural plans, design by Mr. Thomas E. Beitelman, sheet S3 of four (general notes for foundation) note number thirteen requires the soil bearing value to have a minimum bearing capacity of 2000 psf.

Table 1804.2 of the Florida Building Code establishes the presumptive and assumed load-bearing soils values. Within this table classifications of materials are defined. Soils such a clay, sandy clay, silty clay, clayey silt, silt and sandy silt have an assigned allowable foundation pressure of 1,500 PSF.

Footnote C of table 1804.2 allows when the building official determines that in-place soils with an allowable bearing capacity of less than 1,500 psf are likely to be present at the site, the allowable bearing capacity shall be determined by a

soils investigation. Please have a soils investigation preformed. The scope of the soil investigation including the number and types of borings or soundings, the equipment used to drill and sample, the in-situ testing equipment and the laboratory testing program shall be determined by a registered design professional.

The designer of this foundation may chose to redesign this foundation to assume a soil bearing capacity of 1,500 PSF.

Section R802.1.6.2 of the residential building code requires that: The truss design drawings shall be prepared by a registered professional where required by Florida Statutes. The submitted truss drawing under the engineers review are marked as not approved, also the embossed engineer's seal is not legible. Please have these two items corrected and submit two sets of truss plans.

On page two of five for job #09-04-0009 the floor plan is shown, please identify the required, one operable emergency escape and rescue opening for each bedroom. These emergency escape and rescue openings shall have a minimum net clear opening of 5 square feet and have a minimum net clear opening height shall be 24 inches and a minimum net clear opening width shall be 20 inches.

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

Please include application number 0904-41 when making reference to this application.

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

Thank You:

Joe Haltiwanger
Columbia County Building
Department

S3 Soils, Sediment & Subsurface Inc
GEOTECHNICAL ENGINEERING
9013 MAHAN DRIVE, SUITE 101 • TALLAHASSEE FLORIDA 32309
PHONE: (850) 222 – SOIL • FAX: (850) 386 – 4295

CLIENT J & J EQUIPMENT OF PERRY JOB NO: 09S3-091D
JOB NAME 14118 S. U.S. 441 (B.P. GASOLINE STATION) DRILL DATE MARCH 31, 2009
TAX ID: UNKNOWN, ELLISVILLE, FL COUNTY: COLUMBIA

Boring Number	Depth (feet)		UNIFIED SYMBOL	SOIL DESCRIPTION AND DRILLING CONDITIONS
	FROM	TO		
1	0	0.5	SP-SW	Brown Moist Sand with Roots (topsoil)
	0.5	1.5	SP-SW	Yellowish Brown/Reddish Brown Moist Sand with Slight amount of Clay
(SPT)	1.5	2.5	SP-SW	Brown Moist Sand
	2.5	5.5	SC-SM	Reddish Brown/Gray Moist Moderately Clayey Sand
	5.5	7	SC-SM	Gray/Yellowish Brown Moist Moderately Clayey Sand
	7	8.5	SC-SM	Gray/Yellowish Brown Moist Moderately Clayey Sand with Small Areas Of Limestone Sediment
	8.5	10	SC-SM	Gray/Yellowish Brown Moist Moderately Clayey Sand
				Groundwater Table Not Encountered
2	0	0.5	SP-SW	Gray Moist Sand with Roots & Rocks/Gravel (topsoil)
	0.5	1.5	SP-SW	Gray Moist Sand with Rocks/Gravel
	1.5	2.5	SC-SM	Yellowish Brown/Reddish Brown Moist Moderately Clayey Sand
(SPT)	2.5	6	SC-SM	Yellowish Brown/Reddish Brown/ Gray Moist Moderately Clayey Sand
	6	9	SC-SM	Yellowish Brown/Gray Moist Moderately Clayey Sand with few Reddish Brown Mottles
	9	12	SC-SM	Gray Moist Moderately Clayey Sand with Small Yellowish Brown/ Reddish Brown Mottles
	12	13.5	SC-SM	Yellowish Brown/Gray Very Moist Moderately Clayey Sand
	13.5	15	SP-SW	Light Yellowish Brown/Light Gray Moist Sand with Small Reddish Brown Mottles
				Groundwater Table Not Encountered

STANDARD PENETRATION TEST RESULTS

Boring Number	Test Depth (feet)		UNIFIED SYMBOL	BLOW COUNT PER 1 ¾ INCH INTERVAL (AVERAGE OF THREE TRIALS)
	FROM	TO		
SPT-1	3	5	SC-SM	**18**
	8	10	SC-SM	**19**
	13	15	SC-SM	**16**
SPT-2	3	5	SC-SM	**10**
	8	10	SC-SM	**12**
	13	15	SP-SW	**9**

STANDARD PENETRATION TEST GENERAL NOTES

The soil borings were conducted in accordance with ASTM D 1452 and the Standard Penetration Test boring (SPT) was performed in accordance with ASTM D 1586. The borings were conducted with a Simco 2400 drill rig with a cat head. The SPT boring procedure consists of augering to a desired test depth and removing the auger from the test hole. A split spoon sample and drill rod are inserted in the test hole and attached to a 140 pound safety hammer. The hammer is raised using a rope and the cat head and falls thirty-inches (30") to drive the split spoon sampler into the soil. The number of blows to drive the sampler through four six-inch (twenty four inch total) test intervals is measured. The final two six-inch intervals are combined to give the "N" value.

GENERAL NOTES

1) Testing was performed at the location(s) indicated/flagged by the Client. Borings conducted using hand augers, Simco EP 200 drill rig, or Simco 2400 drill rig were performed as per ASTM D-1452.

2) Boring information provided in this report is based on the driller's logs, collected samples, and visual examination of soils in the field. Boring depths indicated are approximate. The Unified Soil Symbols are based on visual descriptions and estimates. Sieve analysis would be necessary to specifically identify the Unified Soil Symbol types. No inference of the approximate soil bearing capacities or soil compaction characteristics are made beyond the test locations and test depths within this report.

3) Subsurface conditions are expected to vary from one location to the next. The borings provide a characterization of subsurface conditions at the test location; however, local variations are expected to occur, and significant differences in subsurface conditions may be encountered at other locations not tested. No inference is made regarding the presence or absence of karst or subsidence features.

4) Groundwater table elevations are representative of the conditions present at the time of testing. Groundwater tables are subject to fluctuation, depending on the amount of rainfall and other factors. The absence of a groundwater table does not mean it will not occur at the tested depth(s) under other conditions.

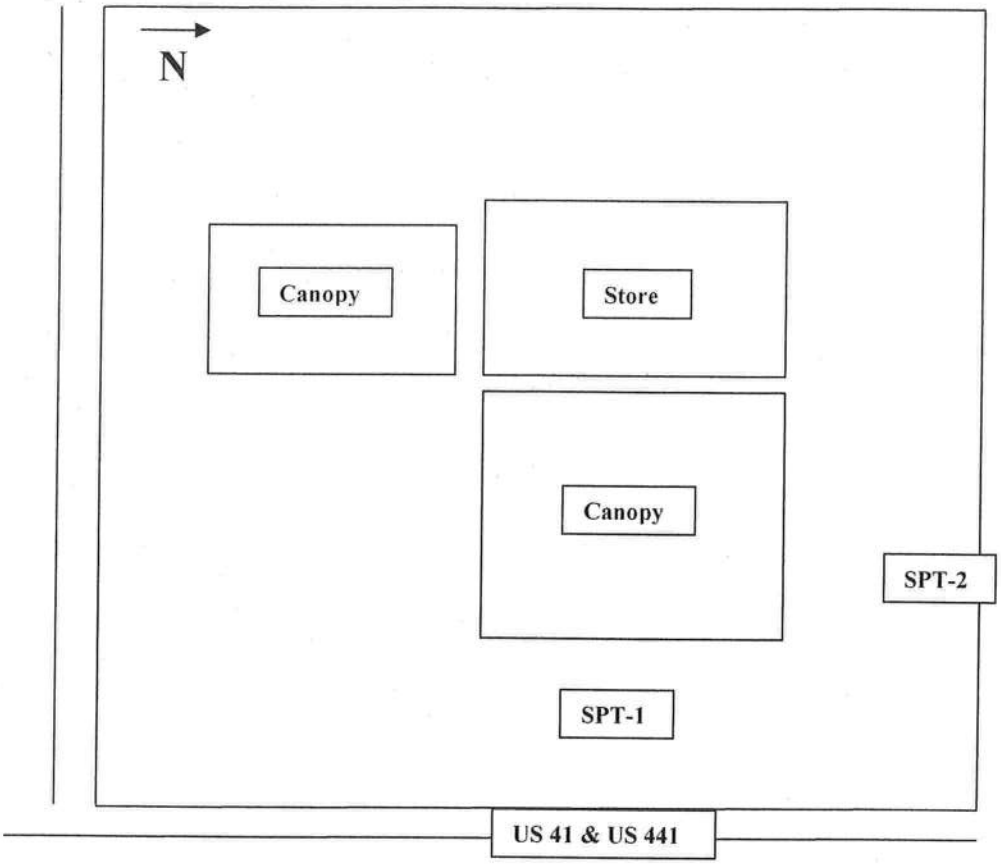
SITE NOTES

No anomalous features such as fat clay/elastic silt (locally referred to as "pipe clay"), heavy organic material, shallow groundwater (within 5 foot depth), or voids encountered within test borings.

According to the "empirical data" supplied on Attachment #1, **the soils at the tested areas of the site have an estimated unconfined compressive strength ranging from approximately 2,250 to 4,000 lbs/ft^2.** It is noted that the estimated compressive strengths are based on the "raw" field blow counts ("N"-value) and no corrections have been made to the data. Empirical data are based upon the referenced documents, experience, and observation alone, and should be used only as an estimate for the tested area(s) at the tested depth(s). The foundation design engineer shall apply proper factors of safety to any empirical data presented herein, and shall require any additional testing needed to verify and confirm the empirical test results.

Columbia County, 14118 S. U.S. 441 (B.P. Gasoline Station)
Standard Penetration Test
Project: 09S3-091D

BORING LOCATION FIGURE



NOTE: Bold numbers located on Figure are approximate boring locations.
Boring locations discussed with Client.
Figure source from S3 Soils Site Notes.
Borings conducted in grassed areas near outer edges of asphalt due to utilities and underground piping.
Borings conducted by Simco 2400 with cathead.

J. Drew Robertson, P.G.
Florida P.G. No. 2439

C. Bourgeois Green

Carmen Bourgeois Green, P.E.
Florida P.E. No. 40890

S3

Attachment #1

TABLE 3-2 Penetration resistance and soil properties on basis of the standard penetration test [6].

SANDS (FAIRLY RELIABLE)		CLAYS (RATHER UNRELIABLE)	
Number of Blows per Foot, N	*Relative Density*	*Number of Blows per Foot, N*	*Consistency*
		Below 2	Very soft
0–4	Very loose	2–4	Soft
4–10	Loose	4–8	Medium
10–30	Medium	8–15	Stiff
30–50	Dense	15–30	Very stiff
Over 50	Very dense	Over 30	Hard

Source: Liu, Cheng, Evett Jack B., 1987, Soils and Foundations, Prentice-Hall Inc. pg. 61

Standard Penetration Number and Consistency of Clay

Standard penetration number, N	Consistency	Unconfined compression strength, q_u (ton/ft^2)
0	Very soft	0
2	Soft	0.25
4	Medium stiff	0.5
8	Stiff	1
16	Very stiff	2
32		4
>32	Hard	>4

Note: 1 ton/ft^2 = 95.76 kN/m^2

Source: Das, M Braja., 1990, Principles of Geotechnical Engineering, PWS-KENT Pub.Co.. pg. 626

Key to Standard Penetration Testing

Soils, Sediment & Subsurface, Inc

PRODUCT APPROVAL INFORMATION SHEET

Project Name: ____**Mark Crusaw**_____ **Permit #** _____

Project Address: __ **xxx SW Blanton Lane, Lake City, Fl**

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 as applicable to the building construction project for the permit number listed above. You should contact your product supplier if you not know the product approval number for any of the applicable listed products. Information regarding statewide product approval may be obtained at: www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Local #
A. EXTERIOR DOORS					
1.Swinging	Nan Ya Plastic Corp. tpro Inc.	Distinction series	per manufacturer	Fl 6184	
2.Swinging	Therma Tru	Smooth Star	per manufacturer	FL5262.5	
3.Sliding	Silverline	Sliding Patio Door 5500/5600/5700	per manufacturer	FL 5600	
4.Sectional	Clopay	W3:1000,1001	per manufacturer	FL 542	
5.Sliding	Therma Tru	Slimline	per manufacturer	FL5265.1	
B. WINDOWS					
1.Single hung	Silverline	2900 series	per manufacturer	Fl 4065	
2.Single hung	Comfort View	2900 Series	per manufacturer	FL6863, 518.R1	
C. PANEL WALL					
1. Siding	Variform Siding	Vinyl siding	per manufacturer	FL 2224	
2. Soffits	Variform Siding	Vinyl soffit	per manufacturer	FL1606	
D. ROOFING PRODUCTS					
1. Asphalt Shingles	Owens Corning	Classic Ar 3 tab, Oakridge Pro 30 Ar	per manufacturer	FL 3663	
2. Underlayments	Owens Corning	Weatherlock metal	per manufacturer	FL 1000	
3. Cement-adhesive coats	Owens Corning	Trumbell tru cool reflective ro	per manufacturer	FL 2276	
E. STRUCTURAL COMPONENTS					
1. Wood connenctor / anchor	Simpson Strong Tie	Wood connector Anchors LU H 10, ABU 66, Sp1, Sp2, 24" strap	per manufacturer	FL 474	

2. Wood connenctor / anchor	Simpson Strong Tie	Wood connector Anchors PHD	per manufacturer	FL 503	
3. Truss Plates	MiTeck Industries Inc.	Truss Plates	per manufacturer	FL 2197	
4. Engineered lumber	Trus Joist	Engineered Wood	per manufacturer	FL 1630	
F. NEW EXTERIOR ENVELOPE PRODUCTS					
1. Envelope	James Hardi Siding	Hardiplank lap siding	per manufacturer	FL 889	
2. Envelope	James Hardi Siding	Hardipanel vertical siding Stucco finish	per manufacturer	FL 889	
3.Envelope	Wayne/Dalton	Fabric shield window opening protection	Per manufacturer	FL 2187	

In addition to completing the above list of manufactures, product description and State approval number for the products used on this Project, it is the Contractor's or Authorized Agent's responsibility to have a legible copy of each manufacturer's printed instructions, Along with the list above, on the job site available to the inspector.

The products listed below did not demonstrate product approval at plan review. I understand that before these products can be Inspected, they must be submitted for review for code compliance and approved by a Plans Examiner. This form will be revised to Include each new product in categories listed above and will be highlighted to indicate the new products and required information.

_____

_____

_____

_____

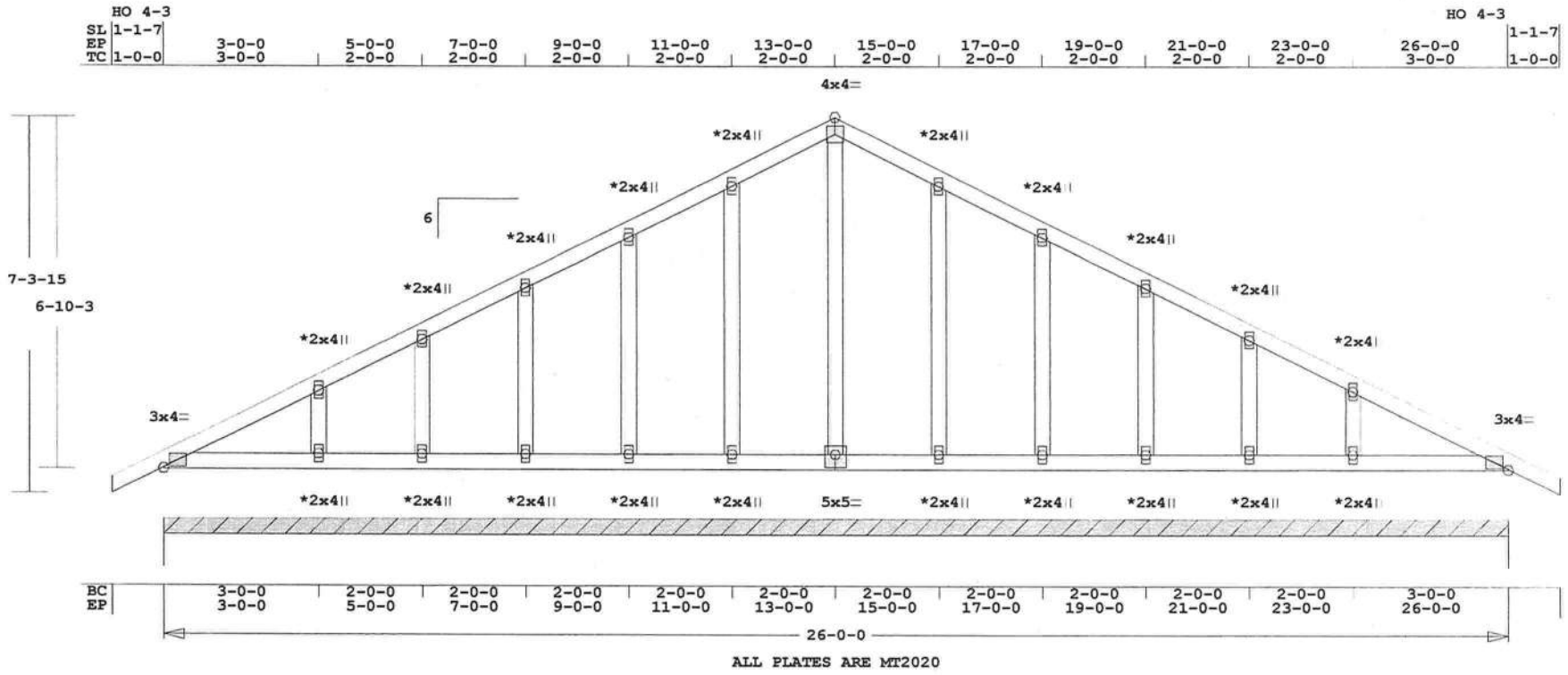
Authorized Project Agent: _____Jason Bishop_____ _____
(Contractor or Design Professional) (Print Name) (Signature)

Company Name: ___Pennyworth Homes Inc_____

Mailing Address: _679 Blackshear Road_____

City: _____Thomasville_____ State: _____Georgia_____ Zip Code: __31792_____

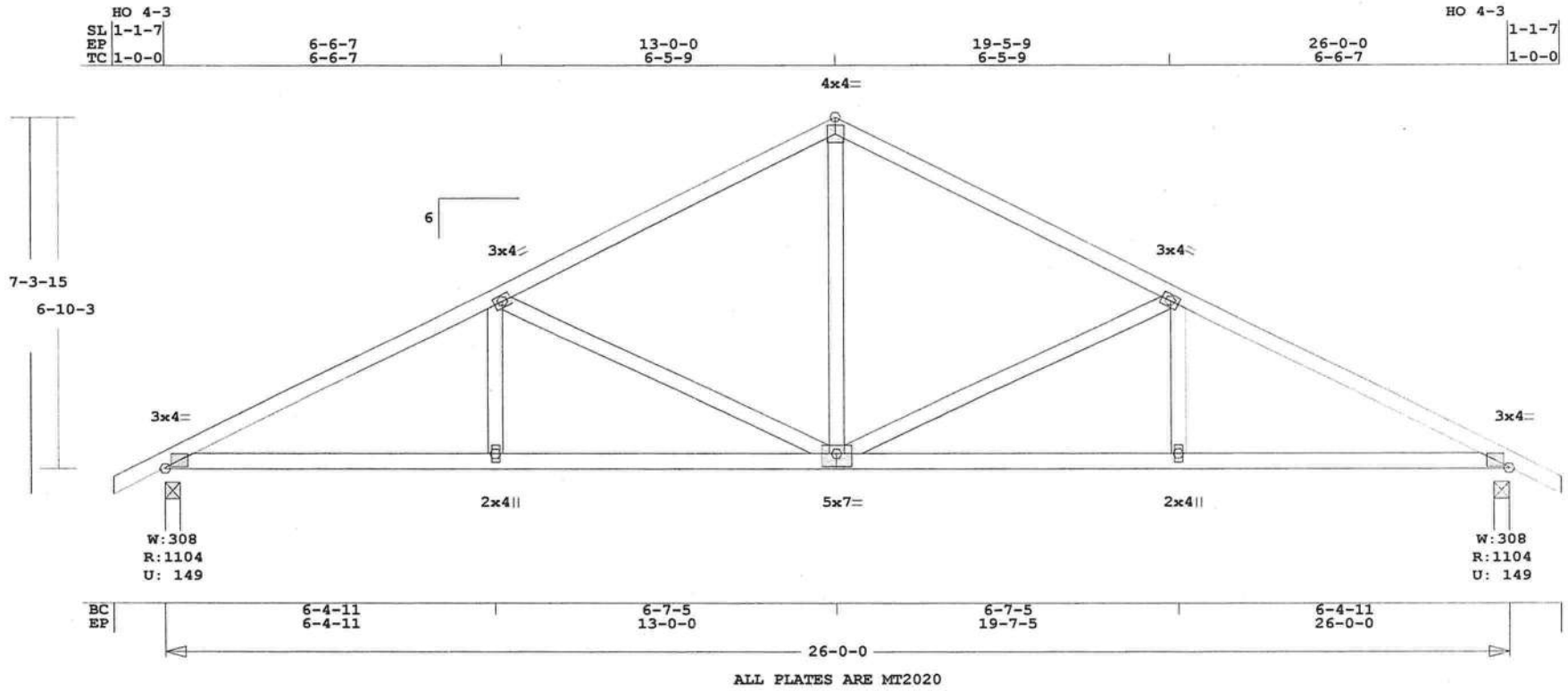
Telephone Number :(229) __225-1730_____ Fax Number: (229) ___227-6191_____



ALL PLATES ARE MT2020

Scale: 0.314" = 1'

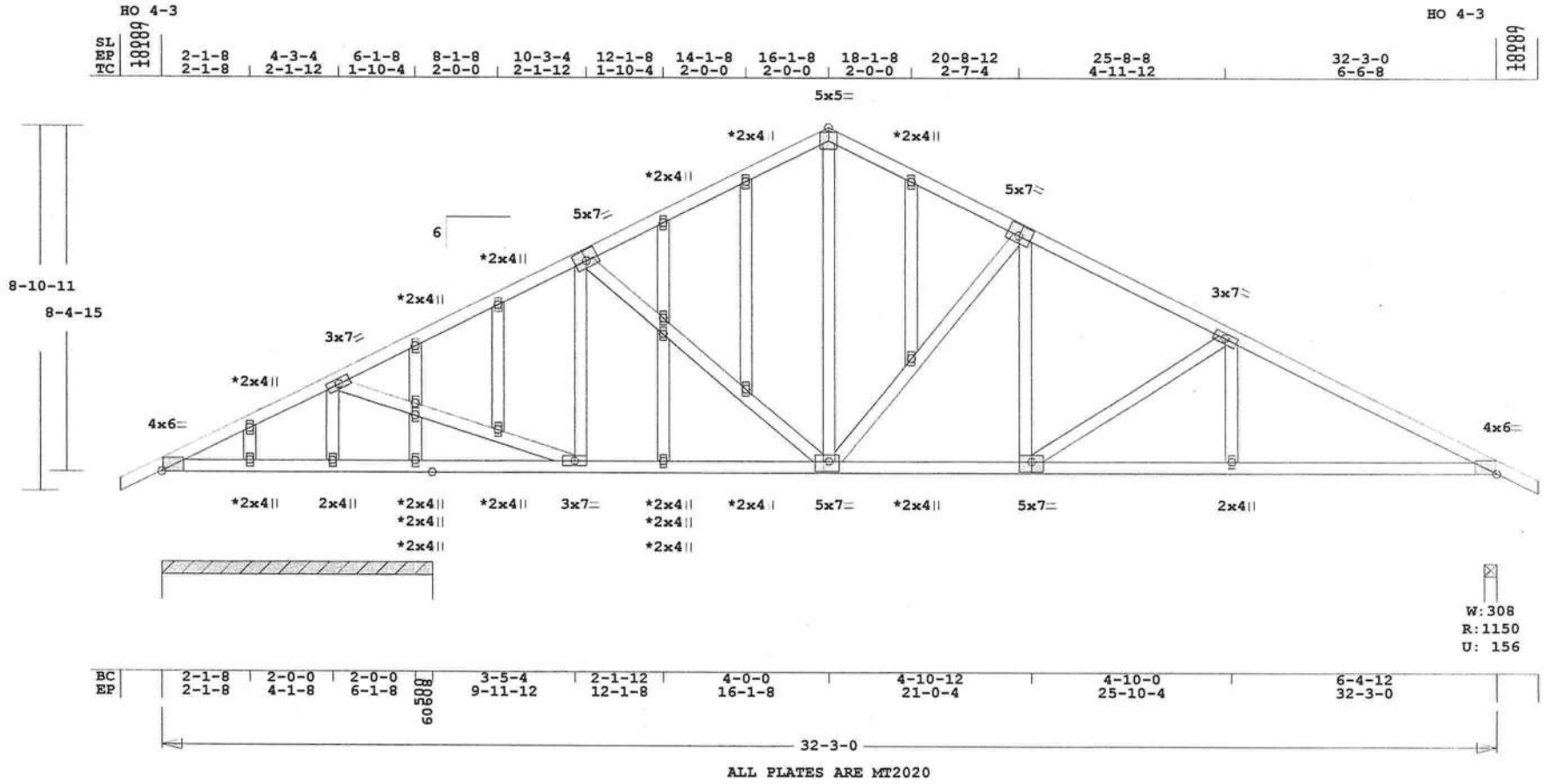
CRUSAW	Robbins Engineering, Inc./Online Plus™						
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Single Drawing*
PENNY-CRUSAW	***B2GE***	2	TR	260000	6	1- 0- 0	1- 0- 0	



ALL PLATES ARE MT2020

Scale: 0.314" = 1'

CRUSAW	Robbins Engineering, Inc./Online Plus™						
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Single Drawing*
PENNY-CRUSAW	***B1***	13	TR	260000	6	1- 0- 0	1- 0- 0	

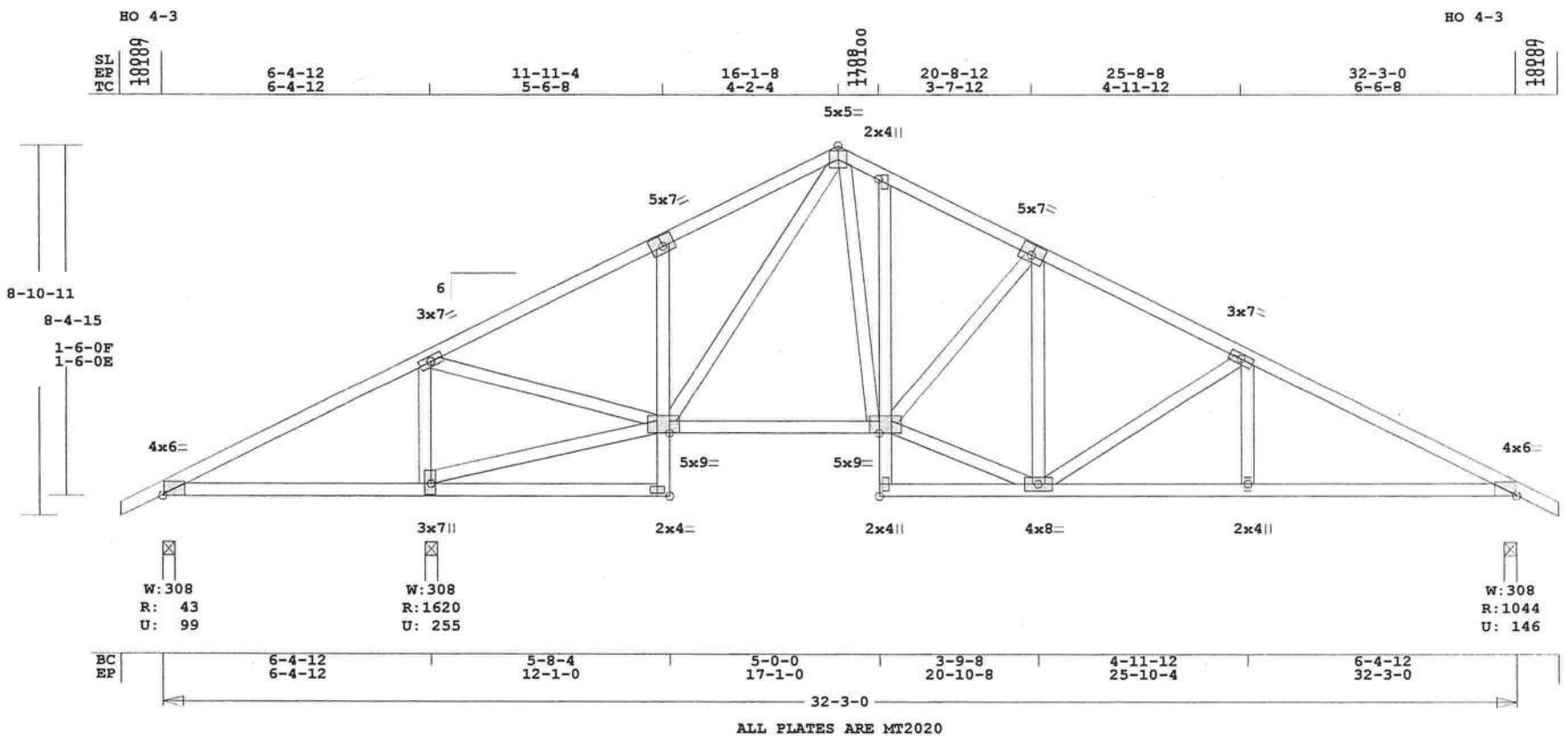


ALL PLATES ARE MT2020

Scale: 0.257" = 1'

CRUSAW — Robbins Engineering, Inc./Online Plus™

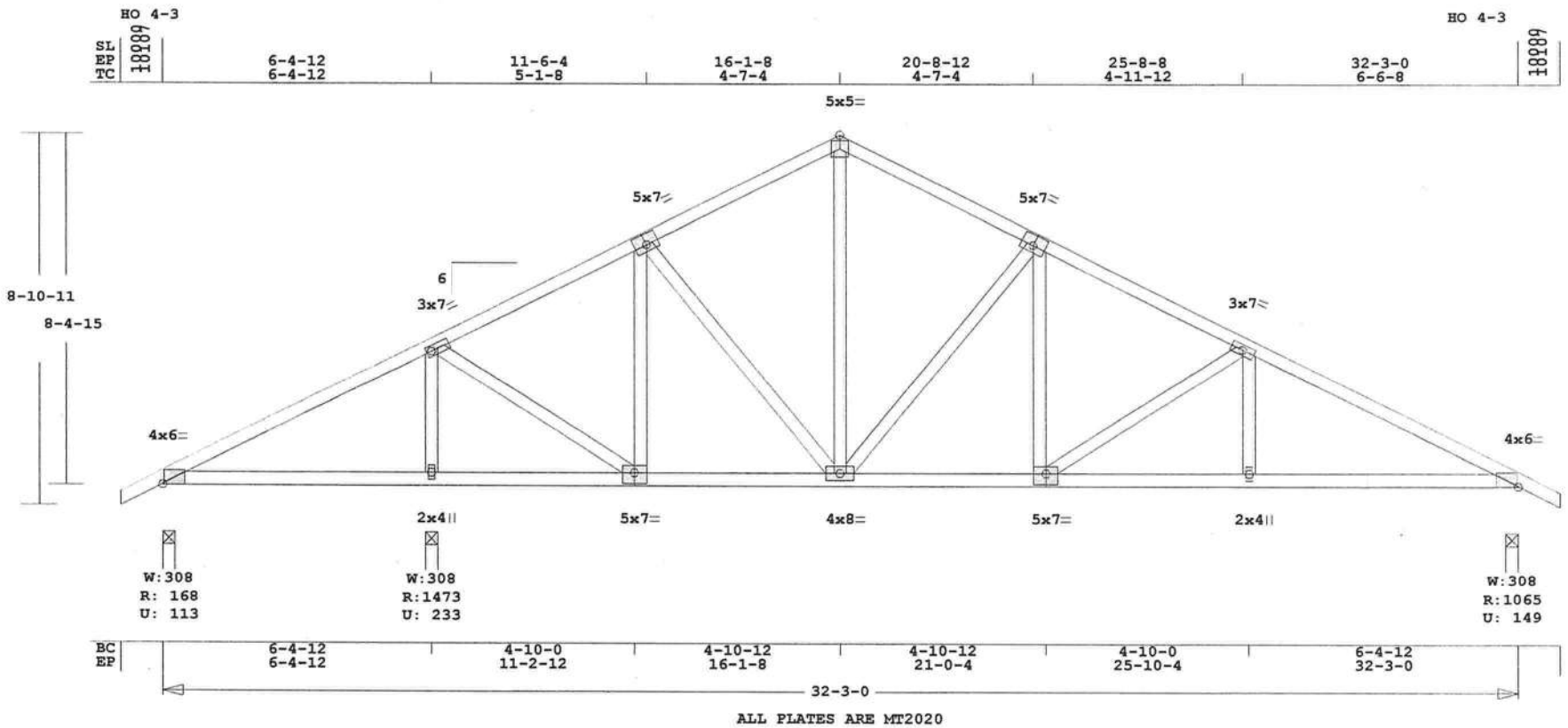
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	
PENNY-CRUSAW	A3GE	2	TR	320300	6	1- 0- 0	1- 0- 0	*Single Drawing*



Scale: 0.257" = 1'

CRUSAW — Robbins Engineering, Inc./Online Plus™

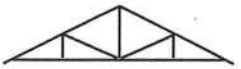
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	
PENNY-CRUSAW	*A2*	1	SP	320300	6	1- 0- 0	1- 0- 0	*Single Drawing*



ALL PLATES ARE MT2020

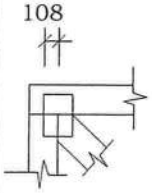
Scale: 0.257" = 1'

CRUSAW	Robbins Engineering, Inc./Online Plus™						
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Single Drawing*
PENNY-CRUSAW	***A1***	18	TR	320300	6	1- 0- 0	1- 0- 0	

Qty	Plys	Truss Type	Mark	Reactions Horizontal	Vertical	Uplift	Sketch
			PENNY-CRUSAW/				
18	1	TR	A1	165	168	113	
					1473	233	
				166	1065	149	
			PENNY-CRUSAW/				
1	1	SP	A2	165	43	99	
					1620	255	
				166	1044	146	
			PENNY-CRUSAW/				
2	1	TR	A3GE	166	1557	209	
				166	1150	156	
			PENNY-CRUSAW/				
13	1	TR	B1	128	1104	149	
				128	1104	149	
			PENNY-CRUSAW/				
2	1	TR	B2GE		2208 Continuous Brg		

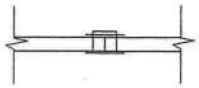
ROBBINS ENG. GENERAL NOTES & SYMBOLS

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.

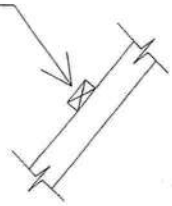
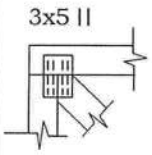


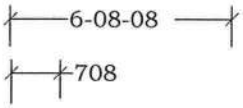
PLATE SIZE AND ORIENTATION

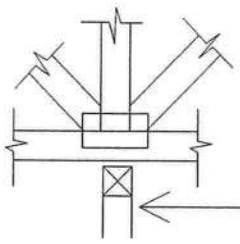


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8.5" 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 trusses are installed. If necessary, shim bearings to assure solid contact with truss.

Metal 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 "Building Component Safety Information" (BCSI) 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. When truss hangers are specified on the Truss Design Drawing, they must be installed per manufacturer's details and specifications.

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 MANUFACTURER.

Robbins Engineering, Inc.

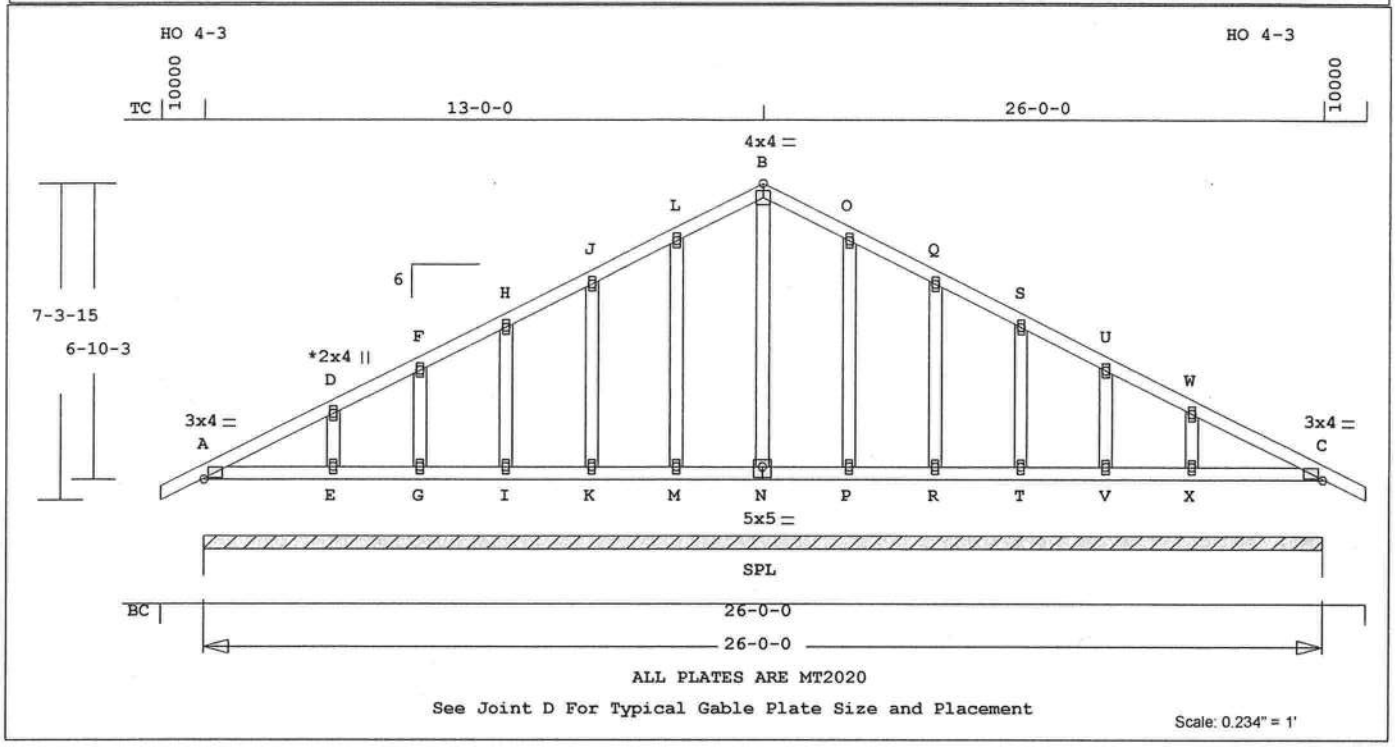
6904 Parke East Blvd.
Tampa, Fl 33610-4115

Tel: 813-972-1135
Fax: 813-971-6117

www.robbinseng.com

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
PENNY-CRUSAW	B2GE	2	TR	260000	6	1- 0- 0	1- 0- 0	T3313372

CRUSAW



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 182.9 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-MAR-09

	CSI	Size	Lumber
TC	0.06	2x 4	SP-#2
BC	0.06	2x 4	SP-#2
GW	0.05	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	26- 0- 0
BC	Cont.	0- 0- 0	26- 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	2208	300 U	128 R

Jt	Brg Size	Required
A	312.0"	0"-to- 312"

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	0.06	152 C	0.00 0.06
D -F	0.06	79 C	0.00 0.06
F -H	0.03	48 C	0.00 0.03
H -J	0.03	78 T	0.00 0.03
J -L	0.04	135 T	0.01 0.03
L -B	0.05	190 T	0.02 0.03
B -O	0.05	190 T	0.02 0.03
O -Q	0.04	135 T	0.01 0.03
Q -S	0.03	78 T	0.00 0.03
S -U	0.03	48 C	0.00 0.03
U -W	0.06	79 C	0.00 0.06
W -C	0.06	152 C	0.00 0.06
Bottom Chords			
A -E	0.06	13 T	0.00 0.06
E -G	0.03	0 T	0.00 0.03
G -I	0.02	0 T	0.00 0.02
I -K	0.02	0 T	0.00 0.02
K -M	0.02	0 T	0.00 0.02
M -N	0.02	0 T	0.00 0.02
N -P	0.02	0 T	0.00 0.02
P -R	0.02	0 T	0.00 0.02
R -T	0.02	0 T	0.00 0.02
T -V	0.02	0 T	0.00 0.02
V -X	0.03	0 T	0.00 0.03
X -C	0.06	13 T	0.00 0.06
Gable Webs			
E -D	0.02	198 T	
G -F	0.01	109 C	
I -H	0.02	121 C	
K -J	0.03	119 C	
M -L	0.05	176 T	
N -B	0.04	75 C	
P -O	0.05	176 T	
R -Q	0.03	119 C	
T -S	0.02	121 C	
V -U	0.01	109 C	
X -W	0.02	198 T	

TL Defl 0.00" in A -E L/999
LL Defl 0.00" in A -E L/999
Shear // Grain in A -D 0.11

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	0.52
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
J	MT20	2.0x 4.0	Ctr	Ctr	0.00
L	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	4.0x 4.0	Ctr	Ctr	0.43
O	MT20	2.0x 4.0	Ctr	Ctr	0.00
Q	MT20	2.0x 4.0	Ctr	Ctr	0.00
S	MT20	2.0x 4.0	Ctr	Ctr	0.00
U	MT20	2.0x 4.0	Ctr	Ctr	0.00
W	MT20	2.0x 4.0	Ctr	Ctr	0.00
C	MT20	3.0x 4.0	Ctr	Ctr	0.52
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
K	MT20	2.0x 4.0	Ctr	Ctr	0.00
M	MT20	2.0x 4.0	Ctr	Ctr	0.00
N	MT20	5.0x 5.0	Ctr	-0.5	0.39
P	MT20	2.0x 4.0	Ctr	Ctr	0.00
R	MT20	2.0x 4.0	Ctr	Ctr	0.00
T	MT20	2.0x 4.0	Ctr	Ctr	0.00
V	MT20	2.0x 4.0	Ctr	Ctr	0.00
X	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.

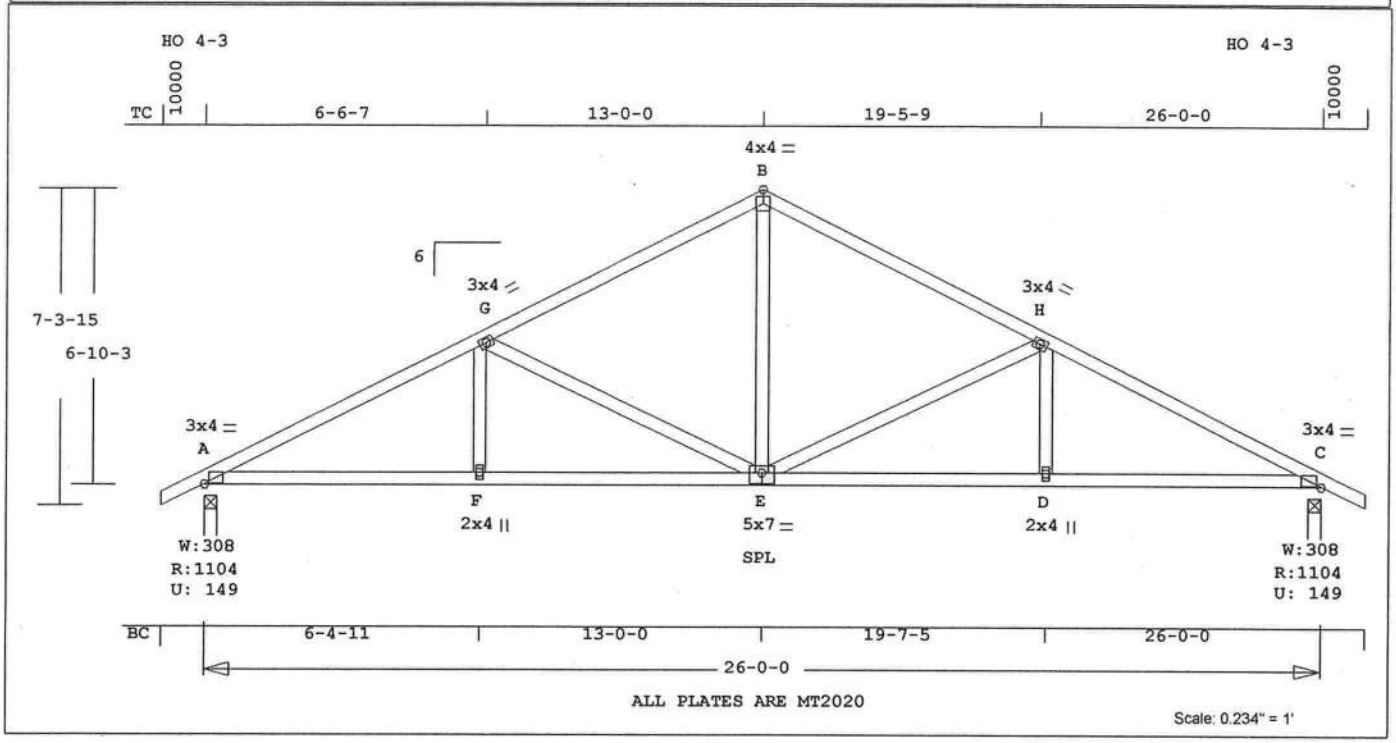
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 156 Lbs
Max tens. force 198 Lbs
Quality Control Factor 1.25

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

March 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
PENNY-CRUSAW	B1	13	TR	260000	6	1- 0- 0	1- 0- 0	T3313371

CRUSAW



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 158.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-MAR-09

	CSI	-Size-	----Lumber----
TC	0.42	2x 4	SP-#2
BC	0.40	2x 4	SP-#2
WB	0.48	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	26- 0- 0
BC	Cont.	0- 0- 0	26- 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	1104	150 U	128 R
C	1104	150 U	128 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	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 -G	0.42	1761 C	0.10 0.32
G -B	0.40	1174 C	0.08 0.32
B -H	0.40	1174 C	0.08 0.32
H -C	0.42	1761 C	0.10 0.32
Bottom Chords			
A -F	0.36	1582 T	0.16 0.20
F -E	0.40	1582 T	0.26 0.14
E -D	0.40	1582 T	0.26 0.14
D -C	0.36	1582 T	0.16 0.20
Webs			
F -G	0.03	257 T	
G -E	0.48	597 C	
E -B	0.16	663 T	
E -H	0.48	597 C	
D -H	0.03	257 T	

TL Defl -0.14" in F -E L/999
LL Defl -0.06" in F -E L/999
Shear // Grain in G -B 0.23

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	0.79
G	MT20	3.0x 4.0	Ctr	Ctr	0.37
B	MT20	4.0x 4.0	Ctr	Ctr	0.43
H	MT20	3.0x 4.0	Ctr	Ctr	0.37
C	MT20	3.0x 4.0	Ctr	Ctr	0.79
F	MT20	2.0x 4.0	Ctr	Ctr	0.29
E	MT20	5.0x 7.0	Ctr	-0.5	0.46
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.

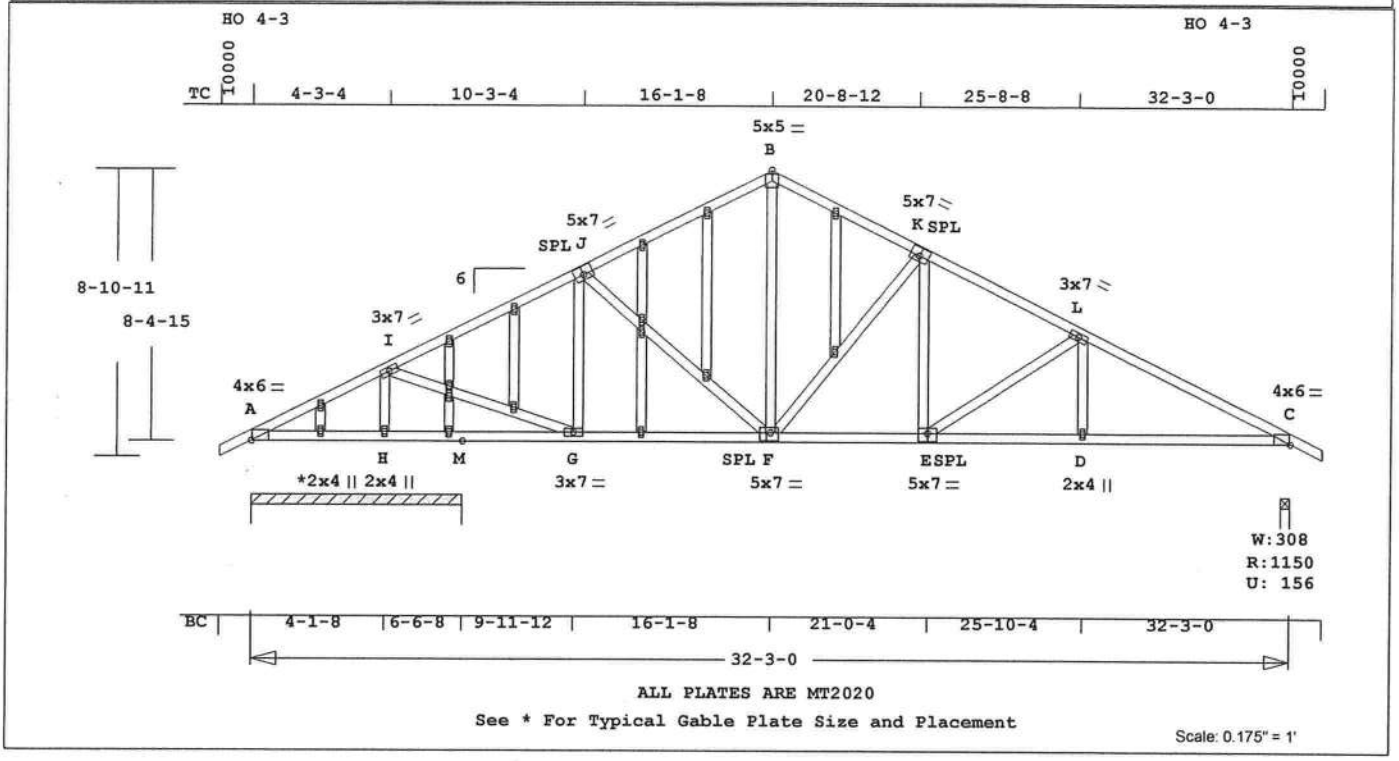
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1761 Lbs
Max tens. force 1582 Lbs
Quality Control Factor 1.25

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

March 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
PENNY-CRUSAW	A3GE	2	TR	320300	6	1- 0- 0	1- 0- 0	T3313370

CRUSAW



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 268.5 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-MAR-09

	CSI	-Size-	----Lumber----
TC	0.37	2x 4	SP-#2
BC	0.39	2x 4	SP-#2
WB	0.48	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	32- 3- 0
BC	Cont.	0- 0- 0	32- 3- 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-
M	1557	209 U	167 R
C	1151	157 U	167 R

Jt	Brg Size	Required
M	78.5"	0"-to- 79"
C	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 -I	0.37	474 T	0.08 0.29
I -J	0.35	984 C	0.00 0.35
J -B	0.36	991 C	0.07 0.29
B -K	0.24	984 C	0.07 0.17
K -L	0.33	1399 C	0.09 0.24
L -C	0.35	1845 C	0.11 0.24
Bottom Chords			
A -H	0.09	97 C	0.00 0.09
H -M	0.11	97 C	0.00 0.11
M -G	0.11	403 C	0.00 0.11
G -F	0.26	882 T	0.08 0.18
F -E	0.31	1247 T	0.20 0.11
E -D	0.36	1652 T	0.27 0.09
D -C	0.39	1652 T	0.27 0.12
Webs			
H -I	0.15	1430 C	
I -G	0.33	1363 T	
G -J	0.15	374 C	
J -F	0.07	123 T	
F -B	0.28	570 T	
F -K	0.48	576 C	
E -K	0.06	373 T	
E -L	0.25	483 C	
D -L	0.03	233 T	

TL Defl -0.12" in E -D L/999
LL Defl -0.06" in E -D L/999
Shear // Grain in J -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	4.0x 6.0	Ctr	0.1	0.36
I	MT20	3.0x 7.0	Ctr	Ctr	0.47
J	MT20	5.0x 7.0-0.2	0.5		0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.34
K	MT20	5.0x 7.0	0.2	0.5	0.38
L	MT20	3.0x 7.0	Ctr	Ctr	0.21
C	MT20	4.0x 6.0	Ctr	0.1	0.39
H	MT20	2.0x 4.0	Ctr	Ctr	0.48
G	MT20	3.0x 7.0	Ctr	Ctr	0.45
F	MT20	5.0x 7.0	1.0-0.5		0.52
E	MT20	5.0x 7.0	Ctr-0.5		0.39
D	MT20	2.0x 4.0	Ctr	Ctr	0.29

8 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

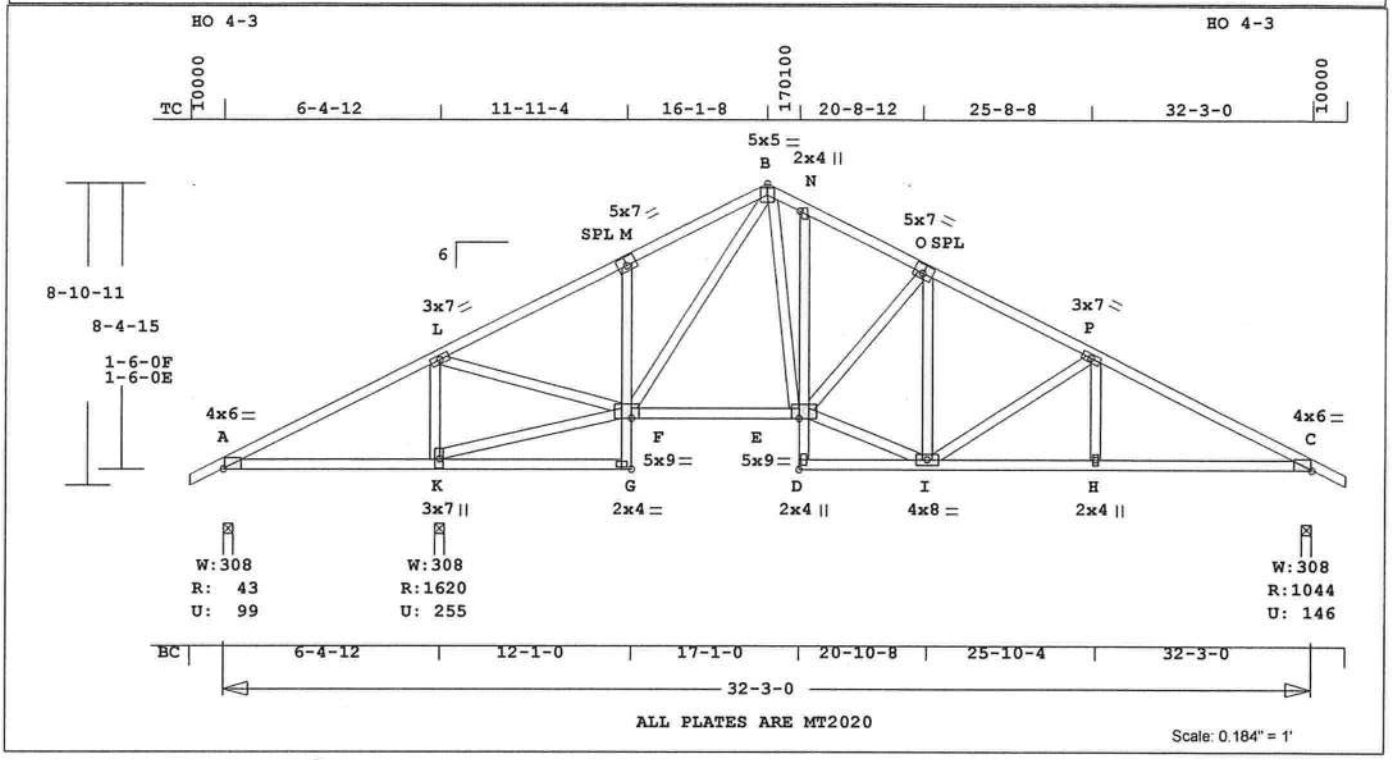
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1845 Lbs
Max tens. force 1652 Lbs
Quality Control Factor 1.25

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

March 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
PENNY-CRUSAW	A2	1	SP	320300	6	1- 0- 0	1- 0- 0	T3313369

CRUSAW



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 254.6 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-MAR-09

	CSI	-Size-	----Lumber----
TC	0.50	2x 4	SP-#2
BC	0.36	2x 4	SP-#2
CW	0.10	2x 4	SP-#2
WB	0.29	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	32- 3- 0
BC	Cont.	0- 0- 0	32- 3- 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	43	99 U	166 R
K	1620	255 U	
C	1045	147 U	167 R

Jt	Brg Size	Required
A	3.5"	1.5"
K	3.5"	1.7"
C	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 -L	0.50	492 T	0.09		0.41
L -M	0.41	851 C	0.00		0.41
M -B	0.25	855 C	0.08		0.17
B -N	0.14	1016 C	0.09		0.05
N -O	0.21	1039 C	0.08		0.13
O -P	0.32	1167 C	0.08		0.24
P -C	0.34	1618 C	0.10		0.24
Bottom Chords					
A -K	0.28	425 C	0.00		0.28
K -G	0.28	36 C	0.00		0.28
F -E	0.21	802 T	0.13		0.08
D -I	0.10	28 C	0.00		0.10
I -H	0.34	1451 T	0.24		0.10
H -C	0.36	1451 T	0.24		0.12
Chord-Webs					
G -F	0.10	81 T	0.01		0.09
F -M	0.05	302 T	0.00		0.05
D -E	0.07	55 T	0.00		0.07
E -N	0.04	189 T	0.00		0.04
Webs					
K -L	0.22	1335 C			
K -F	0.22	423 C			
L -F	0.22	1228 T			
F -B	0.12	136 C			
B -E	0.29	734 T			
E -O	0.08	203 T			
E -I	0.20	1128 T			
I -O	0.03	71 C			
I -P	0.25	491 C			
H -P	0.03	234 T			

TL Defl -0.07" in A -K L/999
LL Defl -0.03" in A -K L/999
Shear // Grain in A -L 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	4.0x 6.0	Ctr	0.1	0.36
L	MT20	3.0x 7.0	Ctr	Ctr	0.41
M	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.49
N	MT20	2.0x 4.0	Ctr	Ctr	0.23
O	MT20	5.0x 7.0	0.2	0.5	0.38
P	MT20	3.0x 7.0	Ctr	Ctr	0.21
C	MT20	4.0x 6.0	Ctr	0.1	0.36
K	MT20	3.0x 7.0	1.5	0.3	0.27
G	MT20	2.0x 4.0	Ctr	Ctr	0.58
F	MT20	5.0x 9.0	Ctr	0.8	0.45
E	MT20	5.0x 9.0	Ctr	0.8	0.44
D	MT20	2.0x 4.0	Ctr	Ctr	0.58
I	MT20	4.0x 8.0	Ctr	Ctr	0.44
H	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

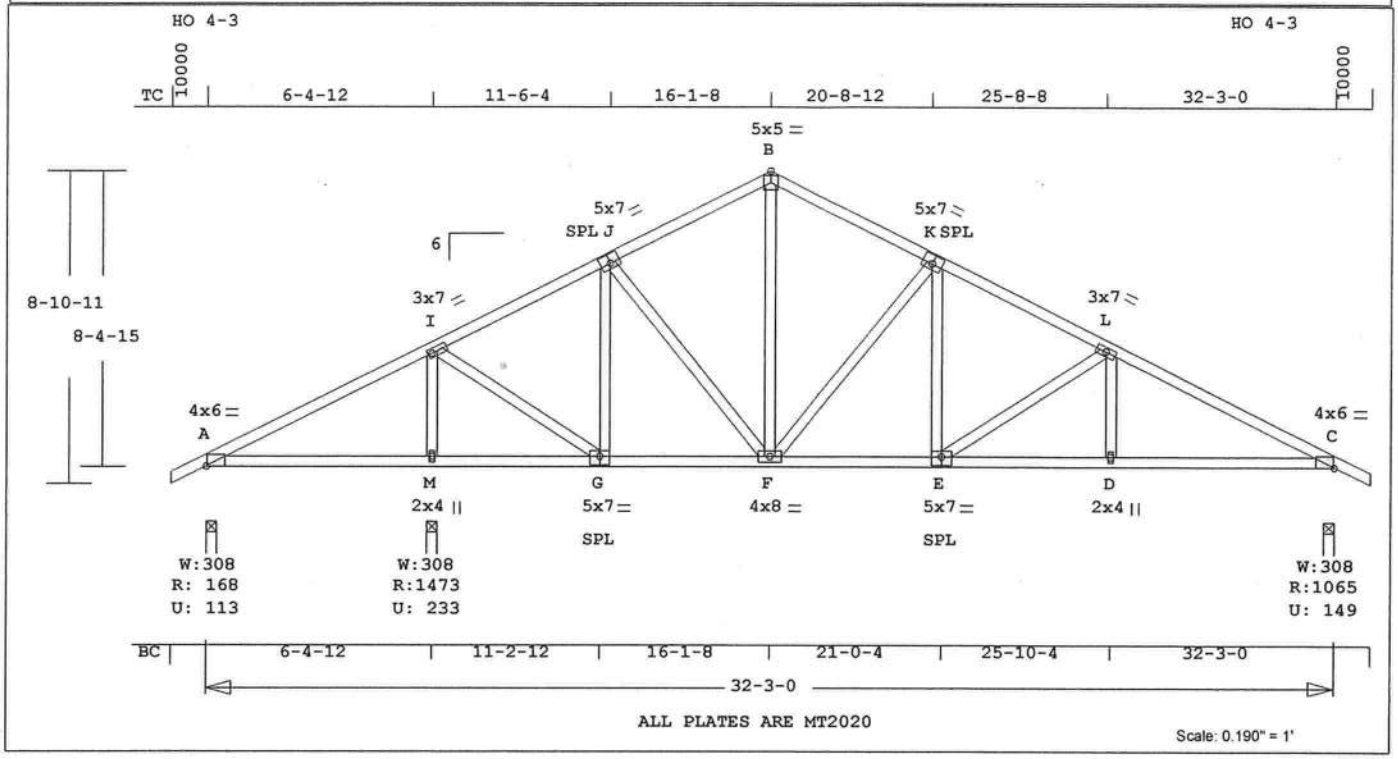
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 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 6- 4-12
Max comp. force 1618 Lbs
Max tens. force 1451 Lbs
Quality Control Factor 1.25

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

March 25,2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
PENNY-CRUSAW	A1	18	TR	320300	6	1- 0- 0	1- 0- 0	T3313368

CRUSAW



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 228.3 LBS

Online Plus -- Version 23.0.052
RUN DATE: 25-MAR-09

	CSI	-Size-	----Lumber----
TC	0.42	2x 4	SP-#2
BC	0.37	2x 4	SP-#2
WB	0.49	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	32- 3- 0
BC	Cont.	0- 0- 0	32- 3- 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	169	114 U	166 R
M	1473	234 U	
C	1066	150 U	167 R

Jt	Brg Size	Required
A	3.5"	1.5"
M	3.5"	1.6"
C	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 -I	0.42	243 T	0.05	0.37
I -J	0.37	681 C	0.00	0.37
J -B	0.24	793 C	0.07	0.17
B -K	0.25	794 C	0.07	0.18
K -L	0.32	1215 C	0.08	0.24
L -C	0.34	1663 C	0.10	0.24
--------Bottom Chords---------				
A -M	0.24	206 C	0.00	0.24
M -G	0.24	206 C	0.00	0.24
G -F	0.18	600 T	0.10	0.08
F -E	0.26	1083 T	0.18	0.08
E -D	0.35	1491 T	0.25	0.10
D -C	0.37	1491 T	0.25	0.12
----------Webs----------				
M -I	0.23	1307 C		
I -G	0.17	962 T		
G -J	0.23	453 C		
J -F	0.03	165 T		
F -B	0.26	430 T		
F -K	0.49	589 C		
E -K	0.06	384 T		
E -L	0.25	486 C		
D -L	0.03	233 T		

TL Defl -0.08" in A -M L/947
LL Defl -0.03" in A -M L/999
Shear // Grain in A -I 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	4.0x 6.0	Ctr	0.1	0.36
I	MT20	3.0x 7.0	Ctr	Ctr	0.43
J	MT20	5.0x 7.0	-0.2	0.5	0.38
B	MT20	5.0x 5.0	Ctr	Ctr	0.34
K	MT20	5.0x 7.0	0.2	0.5	0.38
L	MT20	3.0x 7.0	Ctr	Ctr	0.21
C	MT20	4.0x 6.0	Ctr	0.1	0.36
M	MT20	2.0x 4.0	Ctr	Ctr	0.38
G	MT20	5.0x 7.0	Ctr	-0.5	0.39
F	MT20	4.0x 8.0	Ctr	Ctr	0.20
E	MT20	5.0x 7.0	Ctr	-0.5	0.39
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: 110 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 6- 4-12
Max comp. force 1663 Lbs
Max tens. force 1491 Lbs
Quality Control Factor 1.25

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

March 25,2009

RE: PENNY-CRUSAW -

Site Information:

Customer Info: PENNYWORTH HOMES Model: CRUSAW
Lot/Block: . Subdivision: .
Address: .
City: LAKE 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: 110 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 5 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
1	T3313368	A1	3/25/09
2	T3313369	A2	3/25/09
3	T3313370	A3GE	3/25/09
4	T3313371	B1	3/25/09
5	T3313372	B2GE	3/25/09

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

March 25,2009

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

Lake City • (386) 755-3633
Fax • (386) 752-5456

Jacksonville • (904) 381-8901
Fax • (904) 381-8902

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CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

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

JOB NO.: 09-318
DATE TESTED: 8-10-09

REPORT OF IN-PLACE DENSITY TEST

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

PROJECT: Corcoran Residence Permit # 0000.27953

CLIENT: Pinney Wirth Homes

GENERAL CONTRACTOR: SAC EARTHWORK CONTRACTOR: Pete Richardson

SOIL USE (SEE NOTE): 1 SPECIFICATION REQUIREMENTS: 95%

TECHNICIAN: C. Day

MODIFIED (ASTM D-1557): ✓ STANDARD (ASTM D-698): _____

TEST NO.	TEST LOCATION (Slab-on-Grade)	TEST: ___DEPTH ___ELEV. ___LIFT	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST PERCENT	% MAX. DENS.
1	S.E. Corner 10' W x 20' N.	12"	Pit	110.0	105.7	4.0	103
2	Approx. center of house pad	12"	Pit	112.3	108.5	3.5	105
3	S.W. Corner 20' N x 20' E.	12"	Pit	109.9	106.5	3.1	103

REMARKS: _____

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
Pit	Richardson's Ft. White Pit	103.1	10.8

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other

HOMETEAM
PEST DEFENSE

CONTRACTOR: PENNYWORTH HOMES
OWNER: CRUSAW, MARK

PERMIT # 27953

ADDRESS: 158 SW. Foxglove Glen.
Lake City, FL 32024

Notice of Intent For Preventative Treatments for Termites

(as required by Florida Building Code (FBC) 104.2.6)

(Address of Treatment or Lot/Block of Treatment)

1-29-09
Date

BORA-CARE Termiticide (Wood Treatment)
Product Used

Disodium Octaborate Tetrahydrate
Chemical used (active ingredient)

23% Active Ingredient
Percent Concentration

Application will be performed onto structural wood at dried-in stage of construction
Stage of treatment (Horizontal, Vertical, Adjoining Slab, retreat of disturbed area)

BORA-CARE Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1816.1.8.

(INFORMATION TO BE PROVIDED TO LOCAL BUILDING CODE OFFICES PRIOR TO CONCRETE FOUNDATION INSTALLATION)

6694 Columbia Park Drive, Suite 3 • Jacksonville, Florida 32258 • 904.730.2622 Fax 904.730.3244
6694 Columbia Park Drive, Suite 3 • Jacksonville, Florida 32258 • 904.730.2522 Fax 904.730.3244
6694 Columbia Park Drive, Suite 3 • Jacksonville, Florida 32258 • 904.730.2522 Fax 904.730.3244
www.pestdefense.com

27953

Lake City • (386) 755-3633
Fax • (386) 752-5456

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Fax • (904) 381-8902

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CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

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

JOB NO.:
DATE TESTED: 5-8-09

REPORT OF IN-PLACE DENSITY TEST

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

PROJECT: Crosaw Res.

CLIENT: Pennyworth Homes

GENERAL CONTRACTOR: Pennyworth Homes EARTHWORK CONTRACTOR: Richardson Site Prep

SOIL USE (SEE NOTE): 1 SPECIFICATION REQUIREMENTS: 95%

TECHNICIAN: J. Scott Raulerson

MODIFIED (ASTM D-1557): ✓ STANDARD (ASTM D-698):

TEST NO.	TEST LOCATION	TEST: ✓ DEPTH / ELEV. / LIFT	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST PERCENT	% MAX. DENS.
1	14' west of East End 8' south of north Side	12"	1	107.1	103.9	3.1	100.8
2	26' west of East End 14' south of north Side	12"	1	105.4	101.8	3.5	98.7
3	12' East of West End 10' north of South End	12"	1	106.0	103.3	2.7	100.2

REMARKS:

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
1	Lt Tan Sand	103.1	

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

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 14-4S-15-00363-005 **Building permit No.** 000027953

Use Classification SFD,UTILITY **Fire:** 6.42

Permit Holder EBE WALTER **Waste:** 16.75

Owner of Building MARK CRUSAW **Total:** 23.17

Location: 158 SW FOXGLOVE GLEN, LAKE CITY, FL

Date: 09/29/2010

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

HOMETEAM
PEST DEFENSE®

TREATMENT WORKORDER

Permit # 27953 Cuosaw

☐ Termite Baiting System w/Tubes-under-the slab

☐ Treat Only ☐ Tubes-under-the slab and Treat ☒ Bora-Care

DATE CALLED IN:		DATE OF SCHEDULE:	
TIME CALLED IN:		TIME SCHEDULE:	

JOB NAME: Pennyworth Homes SUBDIVISION:

JOB ADDRESS: 510 Blanton Ln
Lake City, FL 32025

BILLING NAME: BILLING PHONE:

BILLING ADDRESS:

CALLED IN BY: PHONE: PERMIT NUMBER: 27953

LOT & MODEL NUMBER:

DATE & TIME COMPLETED:

SQUARE FOOT: 1892 LINEAR FOOT: BLOCKVOIDS:

SLAB TYPE: TYPE OF FILL:

APPROX. DEPTH OF FOOTING: Outside: Inside:

☐ Addition ☐ Spot Treat ☐ Pool Addition ☐ Driveway

☐ Final/Completion ☐ Other

PESTICIDE USED: Bora-Care TOTAL APPLIED: 7 gals

PERCENT (%) USED: 23 STICKER POSTED: Yes

PRICE PER SQ. FT. =	TOTAL FOR P.T.		175.00
	ADDITIONAL		
	TAX:		
/ /	TOTAL AMOUNT	$	

X X TECHNICIAN: T J Marsh

I hereby acknowledge the satisfactory completion of the above described work.

GT 23 / TCI 12/05

Columbia County Building Permit Application

For Office Use Only Application # 0904-41 Date Received 4/29 By TW Permit # 27953

Zoning Official BLR Date 5.05.09 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1 St above Rd River N/A Plans Examiner WO Date 5/7/09

Comments 14.9 Special Family Lot

☑ 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 0 SUSPENDED : Issued after ~~5.05.09~~ May 7, 2009

Septic Permit No. 09-0255 Fax