Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1TC38228Z0201150804

Truss Fabricator: Anderson Truss Company

Job Identification: 7-322--Wilber Brown McCloud Mother-In-Law -- Ft. White, **

Truss Count: 4

Model Code: Florida Building Code 2004 and 2006 Supplement

Truss Criteria: ANSI/TPI-2002 (STD) /FBC

Engineering Software: Alpine Software, Version 7.36.

Structural Engineer of Record: The identity of the structural EOR did not exist as of

Address: the seal date per section 61G15-31.003(5a) of the FAC

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-02 - Closed

Notes:

 Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1

2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.

3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

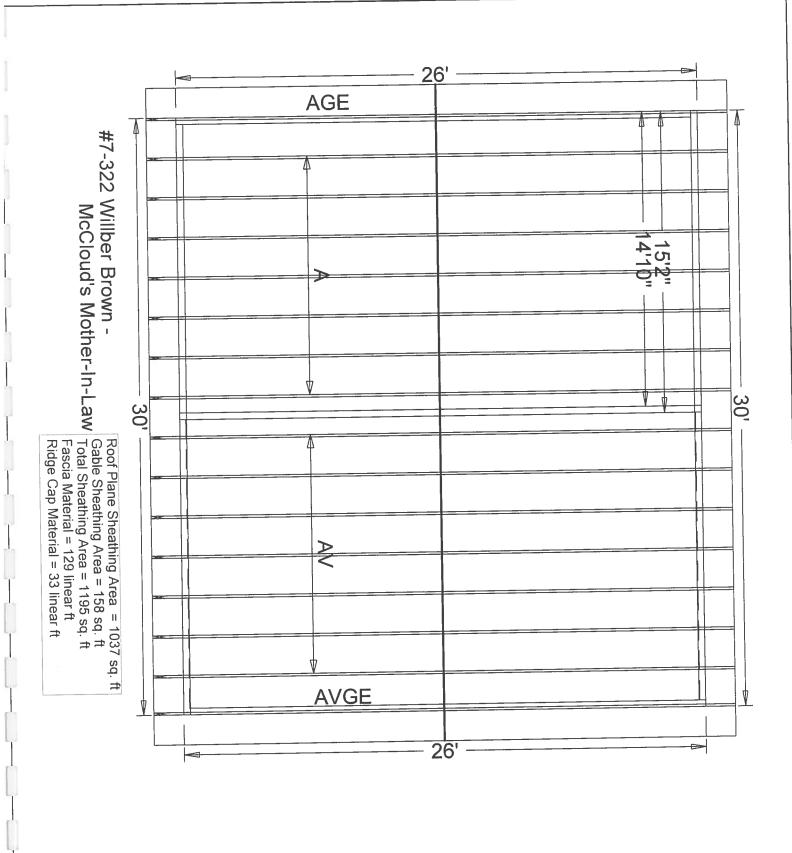
Details: A11015EE-GBLLETIN-

#	Ref Description	Drawing#	Date
1	71421A	07305022	11/01/07
2	71422AV	07305023	11/01/07
3	71423AGE	07305024	11/01/07
4	71424 AVGE	07305025	11/01/07

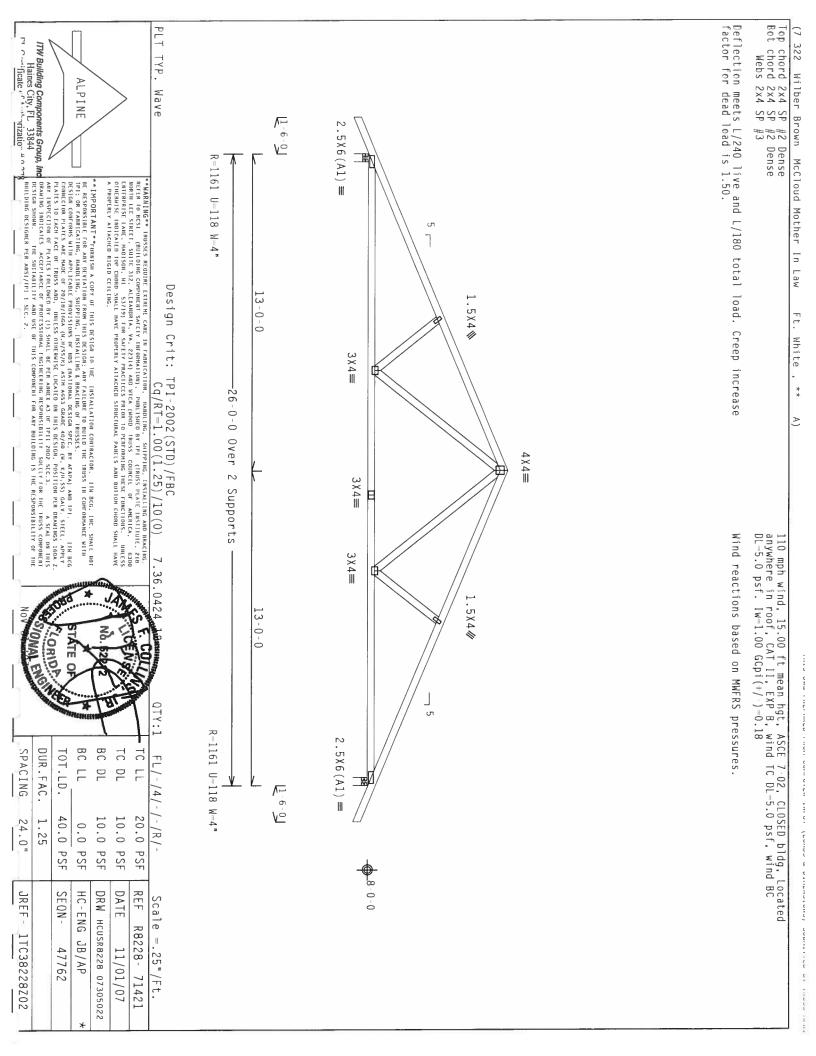
Seal Date: 1101/2017

-Fuss Design EngineerJames F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844





JOB NO: 7-322 PAGE NO: 1 OF 1 JOB DESCRIPTION:: Wilber Brown /: McCloud Mother-In-Law



Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 PLT Calculated vertical deflection is 0.43" due to live load and 0.66" due to dead load at X = $13\cdot0\cdot0$. Calculated horizontal deflection is 0.29° 0.44° due to dead load. (7–322 Wilber Brown McCloud Mother In Law 11011 Haines City, FL 33844
Haines City, FL 33844
Haines City, FL 37844 TYP. Wave ALPINE 1-6-0 3X7(A1) **≤** R=1169 PLAIES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON HIS DESIGN, POSITION PER BRANDINGS 160A 2.

ANY INSPECTION OF PLAIES TOLLOWED BY CI) SHALL BE FER ANNY XA OF TPIT 7002 SEC 2.

ASSEA OBHAING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN THE SULFAPORT THE SULFAPORT AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/FPI 1 SEC. 7. ** IMPOBITANT ** UNBHISH, A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE REG. HE SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FALUNE TO BRILLD HE TRUSS IN COMPORMAGE WITH THE OR FARMERATHG. ANNUALING, SHIPPING, HENDALLING A BRACING OF TRUSSES.

DESIGN CONTROL OF THE APPLICABLE PROVISIONS OF HOS (MALIDONAL DESIGN ENFO, BY AFAPA) AND TPI.

COUNTROL OF THE APPLICABLE FROM THE ORDER OF THIS CONTROL OF THE APPLICABLE PROVISIONS OF HOS (MALIDONAL DESIGN ENFO, BY AFAPA) AND TPI.

COUNTROL OF THE APPLICABLE FROM THE ORDER OF THE APPLICABLE PROVISIONS OF HOS (MALIDONAL DESIGN ENFO. BY AFAPA) AND TPI. **WARNING** NUSSEX NEUMER CEMENTE CARE IN FABRICATION, IMADILING, SHIPPING, INSTALLING AND BRACING. RELLE TO BEST (RUSS PLATE INSTITUTE, 218 HORIN HE SHREL, SHITE 31Z, ALEXANDRIA, VA. 2231A) AND MICA (MODD TRUSS COUNCIL OF AMERICA, 6300 EHIERSPEISE LAHE, MAISON, MI 53719) FOR SAFELY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLLSS OTHERMISE, HOLGALDED FOR FORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE U=116 W=4" due to Design Crit: -13 - 0 - 01.5X4 III 3×4€ live load White TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) -26-0-0 Over AV) 6 X 8≡ 5×5≡ 2 Supports 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, iw=1.00 GCpi(+/-)=0.18 Wind reactions based on MWFRS pressures Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. 1.5X4 Ⅲ 3 X 4 // 13-0-0 CORION R=1169 U=116 W=4" 3X7 (A1) ≢ SPACING BC DL TC DL TC LL DUR.FAC. TOT.LD. FL/-/4/-/-/R/-1 -6 νò 40.0 24.0" 1.25 10.0 PSF 20.0 PSF 10.0 PSF 0.0 PSF PSF REF JRFF-DATE SEQN-HC-ENG DRW HCUSR8228 07305023 Scale =.25"/Ft. R8228- 71422 1TC38728Z02 JB/AP 47766 11/01/07

Truss spaced at 24.0" OC designed to support 1–0–0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched. Note: All Plates Are 1.5X4 Except As Shown. designed by the building designer. supporting shear walls. Shear walls must provide collateral restraint to the gable end. All connections The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. Webs 2x4 SP #3 :Stack Chord SC1 2x4 SP #2 :Stack Chord SC2 2x4 SP #2 Top chord 2x4 SP Bot chord 2x4 SP In lieu of structural panels use purlins to brace TC @ 24" (7-322 Wilber Brown 71 2 Haines City, FL 33844

'ificate control in initiality in the state of TYP. ALPINE Wave R=117 PLF U=8 **18** "√ SCI #2 Dense #2 Dense 3-6-0 (NNL 2X4(C5) = $2.5 \times 6 (C5) =$ 3-6-0 McCloud Mother In Law ANY INSPECTION OF PLAITS FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF FPIT 7
BRAING INDICATES ACCEPTANCE OF PROFESSIONAL ENGLIEERING RESPONSIBILITY
DESIGN SHOWN. THE SUITABLITY AND USE OF THIS COMPONENT FOR ANY BUILD
BUILDING DESIGNER PER ANSI/IPI 1 SEC. 7. ***IMPORTANT***URRHISH A CUPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG. TMC. SHALL HOT BL RESPONSIBLE FOR ARY DEVIATION FROM THIS DESIGN, ANY PLATURE TO BUILD HE RUSS IN COMFORMANCE WITH FPI; OR FLARECATHE, JANDILIG. SHEPPING, HESTALLING A BRACING OF HUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HDS (HALTONAL DESIGN SPEC, BY AFRYA) AND FPI. 11H BC COMMICTION PLATES AND MADE OF 70/18/1/GGA (M.M/SS/P) ASTH AGS3 GRADE 40/560 (M. K/M.SS) GAVE. STEEL APPLY PLATES TO EACH AGE OF TRUSS AND. UNLESS OFHERMISE, LOCATED ON THIS DESIGN, POSITION PER DRAWHIGS JGGA Z **WARNING** TRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BEST. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 HORRIN LEE STREET, SUIT 317, ALEXANDRA, VA, 22314) AND MICA (MODO) TRUSS COUNCIL OF ARMERIA, 6300 3×4# HORHH LEE SIRELT, SHITE 17; ALEXANBRIA, MA, 22314) AND HEA (ADDO TRUSS CONDICT) OF MERCINGS. GOVERNMENT AND SOOL HITERAGE. GODO CHITERAGES PARCIFICES PRIOR TO PERFORMING HESE FUNCTIONS. WHELEA, GODO CHITERAGES TRUCKED FOR THE STAND BOTTOM CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SMALL HAVE A PROPERLY ATTACHED RIGID CEILING Dense: Dense: PLF W-26-0-0 Design Crit: . UNLESS OTHERHISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A Z
D BY (1) SHALL BE PER ANNEX A3 OF TPI1 2002 SEC.3. A SEAL ON THIS Ft. White to be ·26-0-0 Over Continuous Support TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) AGE) 22 SOLELY FOR THE TRUSS COMPONENT Ċ $3 \times 4 =$ Ö 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18 Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top Wind reactions based on MWFRS pressures. chord in notchable area using 3x6. See DWGS A11015EE0207 & GBLLETIN0207 for more requirements $\frac{1}{3}$ 0 3X4**≈** 2.5X6(C5) ≡ BC LL BC DL 2 X 4 (C5) = SPACING TC DL TC LL DUR FAC TOT.LD. FL/-/4/--6-0 (NNL) 3 - 6 - 0**1**8 "**1** 40.0 10.0 PSF 10.0 PSF 20.0 PSF 24.0" 0.0 PSF PSF SEQN-DATE REF HC-ENG DRW HCUSR8228 07305024 Scale =.25"/Ft. R8228-JB/AP 47771 11/01/07 71423

JREF-

1TC38228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #2 Dense: BLOCK LENGTH =
:Rt Slider 2x4 SP #2 Dense: BLOCK LENGTH = Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6. Truss spaced at 24.0" OC designed to support 1–6–0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched. The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be PLT TYP. designed by the building designer. (7-322--Wilber Brown McCloud Mother-In-Law L1 0 ---ITW Building Components Group, Inc. Haines City, FL 33844 3X7 (F6) = ALPINE Wave R = 131**18**"3"8 rizatio " " ? 78 3X10(F6) <u>3</u>X6(**) € 5 PLF U=6 **IMPORTANT**FURNISH A COPY OF THIS DESIGN 10 THE THATALIATION CONTRACTOR. THE BCG, THC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN 17 ALIUES TO BUILD THE TRUSS IN COMPORMANCE WITH PI: OR FABRICATION, HAND ING. SHEPPIG. HYALLING A BRACLING OF TRUSSES.

DESIGN CONTRACK HITH APPLICABLE PROVISIONS OF HDS (HAHIDDAL DESIGN SPEC, BY AFAPA) AND TPI: DESIGN CONTRACK HITH APPLICABLE PROVISIONS OF HDS (HAHIDDAL DESIGN SPEC, BY AFAPA) AND TPI: DESIGN CONTRACK HITH APPLICABLE PROVISIONS OF HDS (HAHIDDAL DESIGN POSITION PER DRAWINGS HOAZ. PLATES ON CASH FACE OF TRUSS AND. HUESS ONLERS HE ARREAD ON THIS DESIGN, POSITION PER DRAWINGS HOAZ. ANY THREE TO LACH FACE OF TRUSS AND. HUESS ONLERS HORS HAVE AS OF TPII 2002 SEC.3. A SEAL ON THIS DRAWING HUBICALES, ACCEPTANCE OF TRUSS AND. ANY INSPECTION OF PLATES FOLLONED BY (1) SHALL BE PER ANNEX AS DENATING INDICATES ACCUPLANCE OF PROFESSIONAL ENGINEERING RESPONSATION SHOWN. THE SHILABILITY AND USE OF THIS COMPONENT FOR BUILDING DESIGNER PER ANSI/IPI I SEC. 2. **WARNING** TRUSSYS RIQUIRE EXTRIBE CARE IN FARRICATION, HANDLING, SHIPPING, HISTALLING AND BRACING. REFER TO BEST. (BULDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP (FRUSS PLATE INSTITUTE, ZIB HOREH LEE STREET, SHIFT JIZ, ALEXANDRIA, VA. 22314) AND HICA (MOOD TRUSS COUNCIL OF AMERICA, GOOD ENTERPRISE LANC, MADISON, MI 53779) FOR SAFTIY PRACTICES PRIOR TO PLEFORMING THESE FUNCTIONS. UNLESS OTHERWISE THOTCATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAHELS AND BOTTOM CHORD SHALL HAVE OTHERWISE INDICATED FOR CHORD SHAFA PROPERLY ATTACHED RIGID CEILING. PLF W=25 Ġ 12.738' 12.739' Design Crit: 1.5X4 III w Ö Ft. White 3X4 // 0 TPI-2002 (STD) /FBC Cq/RT=1.00(1.25) /10(0) 1.5X4 III ** 26-0-0 1.5X4III AVGE) 0ver 4 X 4 == 5 X 8 == \sim Supports 1.5X4 III 1.5X4 III 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18 Wind reactions based on MWFRS pressures (**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements. Deflection meets L/240 live and L/180 total load. Creep increase See DWGS A11015EE0207 & GBLLETIN0207 for more requirements factor for dead load is 1.50 .36.042 3 X 4 ⊯ Nov 01 13 - 0 - 01.5X4 III ONAL ENGINEE 0TY:1 3X6 (**) ∥ 3X10(F6) ≤ BC LL BC DL TC LL SPACING TOT.LD. # 5 DUR.FAC. FL/-/4/-/-/R/-3"8 18"V זווו מו לבמשמים מי מזוורוויסזמווין יסממונדנורם מו וואמים ווווא 40.0 20.0 10.0 24.0" 1.25 10.0 PSF 3X7 (F6) ≤ 0.0 PSF PSF PSF PSF 8-0-0 DATE REF JREF-SEQN-DRW HCUSR8228 07305025 HC-ENG Scale = .25"/Ft. R8228-1TC38228Z02 JB/AP 58617 11/01/07 71424

ASCE ~2 -02: 110 MPH WIND SPEED 15 MEAN HEIGHT, ENCLOSED || 1.00, EXPOSURE

		_	_	_	_	_	_	_				_						_						_				
		M	Α	X		(J.	4 I	3.	L.	E		V	E	R	Γ.	ľ	С	A	L		L	E	N	1(Т.	ГΗ	
12" O.C.					1	6	,,		0	. (7	,		2	4	,,		0) . (С		SPACING	GABL					
	Ī	1	C/) J	TTT	I I	7 7	Q J J			1	<u>V.</u>)	TTT	I I	OLL	Ω] [-			1	<u>ر</u>)	TIT	I	J J C		SPACING SPECIES	2X4 GABLE VERTICAL
STANDARD	STUD	#3	#2	#1	STANDARD	STUD	#3	#1 / #2	STANDARD	STUD	#3	#2	#1	STANDARD	STUD	#3	#1 / #2	STANDARD	STUD	#3	#2	#1	STANDARD	STUD	#3	#1 / #2	GRADE	BRACE
4' 11"	5' 0"	5, 0,	5)	1	4' 9"	4' 9"	4 9	4' 11"	4. 5.	4 6"	4' 6"	4' 9"	4' 10"	4' 4"	4' 4"	4' 4"	4 5"	3' 10"	4' 0"	4' 0"	4' 2"	4' 3"	3′ 9″	3' 9"	3' 9"	3' 10"	BRACES	N O
7' 5"	8, 5,	8 5	8, 2,	8 5	7' 3"	8 5	8	8' 5"	6 5	7' 6"	7' 7"	7' 8"	7' 8"	6' 4"	7' 4"	7' 4"	7' 8"	5 3	6' 1"	6, 5,	6, 8,	6' 8"	5 2	6, 0,	6, 0,	6' 8"	GROUP A	(1) 1X4 "L"
7' 5"	8' 7"	8, 5,	9' 1"	9' 1"	7' 3"	8.5	8, 5,	8' 8"	6' 5"	7' 6"	7' 7"	8 3	8' 3"	6' 4"	7' 4"	7' 4"	7' 10"	5, 3,	6' 1."	ර, ව	7' 2"	7' 2"	5' 2"	6' 0"	6' 0"	6' 10"	GROUP B	," BRACE *
9' 10"	10' 0"	10' 0"	10' 0"	10′0″	9' 7"	10' 0"	10' 0"	10' 0"	8' 6"	9' 1"	9' 1"	9' 1"	9' 1"	8' 4"	9' 1"	9' 1"	9' 1"	6' 11"	7' 11"	7' 11"	7' 11"	7' 11"	6' 9"	7' 11"	7' 11"	7' 11"	GROUP A	(1) 2X4 "L"
9' 10"	10'6"	10' 6"	10' 9"	10' 9"	9' 7"	10' 0"	10' 0"	10' 3"	8' 6"	9' 6"	9' 6"	9' 9"	9, 9,	8' 4"	9' 1"	9' 1"	9' 4"	6' 11"	8' 0"	8' 1"	8' 6"	8' 6"	6' 9"	7' 11"	7' 11"	8' 1"	GROUP B	BRACE *
11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	9' 4"	9' 5"	9' 5"	9' 5"	9' 5"	9'1"	9' 5"	9' 5"	9' 5"	GROUP A	(2) 2X4 "L"
12' 3"	12' 6"	12' 6"	12' 10"	12' 10"	11' 11"	11' 11"	11' 11"	12' 3"	11' 1"	11' 4"	11' 4"	11' 8"	11' 8"	10' 10"	10' 10"	10' 10"	11' 1"	9' 4"	9' 11"	9' 11"	10' 2"	10' 2"	9' 1"	9' 5"	9'5"	9' 8"	GROUP B	BRACE **
14' 0"	14' 0"	14' 0"	14' 0"	14'0"	14' 0"	14' 0"	14' 0"	14' 0"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	12' 11"	14' 0"	14' 0"	14' 0"	10' 10"	12' 5"	12' 5"	12' 5"	12' 5"	10' 7"	12' 3"	12' 4"	12' 5"	GROUP A	(1) 2X6 "L"
14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		۳.	_	14' 0"	14' 0"	-	٠,	14' 0"	14' 0"	14' 0"	10' 10"		12′ 8″	-1	13′ 5″	10' 7"	12' 3"	12' 4"	12' 9"	GROUP B	BRACE *
, "I	14' 0"	14'0"	14' 0"	14' 0"	14' 0"	14' 0"	1	14' 0"	14' 0"	14' 0"	14' 0"		14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	- 1	14' 0"	- 1	14' 0"	14' 0"	14' 0"	14' 0"	GROUP A	(2) 2X6 "L"
1 1	14' 0"	14' 0"	14' 0"	14' 0"	14′0"	14' 0"	14'0"	- 1	14' 0"	14' 0"	14' 0"	14′0″	- 1	14' 0"	- 1	14'0"		14' 0"	14' 0"	- 1	14' 0"	1	- 1	14'0"	14' 0"	14' 0"	GROUP B	BRACE **
מ	2	-	Ξ				Г											_									77	

DOUGLAS FIR-LARCH

SOUTHERN PINE

STANDARD dolls

STANDARD #3 STUD

GROUP B:

#1 & BTR HEM-FIR BRACING GROUP SPECIES

AND GRADES:

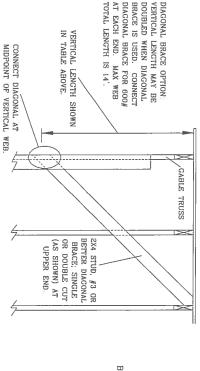
SPRUCE-PINE-FIR

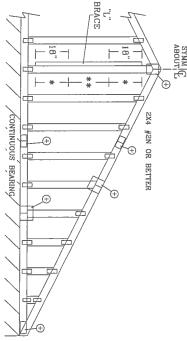
GROUP

STANDARD STUD

#3

STANDARD





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

SOUTHERN PINE

DOUGLAS FIR-LARCH

#2

12

GABLE END SUPPORTS LOAD FROM 4' 0"
OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD). LIVE LOAD DEFLECTION CRITERIA IS L/240.

**TYACH EACH "L" BRACE WITH 10d NAILS.

*FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C.

** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C.

** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C.

MEMBER LENGTH. "L" BRACING MUST BE A MINIMUM OF 80% OF WEB IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

WIMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. IT'V BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSSEN CONFORMANCE WITH FFIJ OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (WAITIDNAL DESIGN SPEC, BY AFREAN AND PRICE). BCS CONNECTOR PLATES ARE HAVE OF PAULISIONS OF NDS (WAITIDNAL DESIGN SPEC, BY AFREAN AND PRICE). BCS CONNECTOR PLATES ARE APPLICABLE OF PAULISIONS OF NDS (WAITIDNAL DESIGN SPEC, BY AFREAN AND PRICE). BCS CONNECTOR PLATES ARE APPLICABLE OF PROFESSIONAL DESIGN PROVISE LOCATED BY HIS DESIGN, POSITION PER DRAVHINGS (MAD. 2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER CHIGHRERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY SAUD USE. SO THIS CORPORANT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI I SEC. 2.

ITW BUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA

ALPINE

***VARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDING, SHIPPING, INSTALLING AND BRACHIG. REFER TO BEST GUILDING COMPDIENT SAFETY INFORMATION, PUBLISHED BY TPI CIRUSS PLAINING INSTITUTE, 218 MORTH LEE STR, SUITE 312, ALEXANDRIA, VA. 22314) AND VICA VOODD TRUSS COUNCY AMERICA, 6300 ENTERPRISE LN, HANDISON, VI 53719) FOR SAFETY PRACTICES PRIDE TO PERFORMING MET FUNCTIONS. UNLESS OTHERSISE INDICATED. TO PENDED SHALL HAVE PROPERLY ATTACHED STRUCKRAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCKRAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGHD CEILING.

ասուր Մ SOUNT ENGINE

07No. 52342 CORION STATE OF

PLYWOOD OVERHANG.

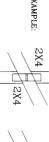


ABOUT (L



				_	_
GREATER THAN 11' 6"	GREATER THAN 4' 0", BUT LESS THAN 11' 6"	LESS THAN 4' 0"	BETWEEN CHORDS	VERTICAL LENGTH	GABLE VENTIONE FLATE SIZES
2.5X4	2X4	1X4 OR 2X3	SIZE	PLATE	L LIWIE OF
2.5X8	2X8	2X8	OVERLAP*	IF PLATES	650

2X4



2X8





ATTACH EACH "T" REINFORCING MEMBER WITH PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN

HAND DRIVEN NAILS:

GUN DRIVEN NAILS: 10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PL (4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP Bd COMMON (0.131"X 2.5", MIN) TOENAILS AT 4" O.C. PLUS O.C. PLUS IN TOP AND BOTTOM CHORD.

(4) TOENAILS IN TOP AND BOTTOM CHORD

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

"T" REINFORCING-MEMBER

4 TOENAILS

RIGID SHEATHING

GABLE. TRUSS

TOENAILS SPACED AT 4" O.C.

ASCE 7-93 GABLE DETAIL DRAWINGS

ASCE 7-98 GABLE DETAIL DRAWINGS A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207, A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207

A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08515EC0207, A13030EC0207, A12030EC0207, A10030EC0207, A08530EC0207 A08530EC0207

ASCE 7-02 GABLE DETAIL DRAWINGS A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08515EE0207, A08530EE0207

ASCE 7-05 GABLE DETAIL DRAWINGS

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE

VERTICAL LENGTH

4 TOENAILS

CEILING



REVARRINGER PRUSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS OBJILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TP! CRUSS PLATE INSTTUTE. 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA. 2314) AND WICK AVOID TRUSS COUNCIL AMERICA, 6300 ENTERPRISE IN, HADISON, WI 53719) FOR SAFETY PRACTICES PRIDE TO PERFORMING THE FUNCTIONS. UNIESSO DIMENSIES INDICATED, TOP CHARD SHALL HAVE PROPERLY ATTACHED STRUCTUM.

WHIPEDER/ANIME FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. IT WELL, BUT HE RESPONSIBLE TOR ANY DEVALUE TO INSTALLATION CONTRACTOR. IT WELL BUT THE TRUSS CONFIDENCE WITH JPH. DR. FARBICATION FOR HANDLING, SHEPPING, INSTALLING, BRACHIG OF TRUSS. DESIGN CONTRACTOR VITH APPLICABLE PROVISIONS OF INSTALLING, BRACHIG OF TRUSS. DESIGN CONTRACTOR PLAITS, ARE MADE OF INSTALLING, BRACHIG AND FOR ANY AND IT WAS AND INSTALLING BRACHIE AND FOR ANY AND IT WAS AND INSTALLING BRACHIE AND FOR ANY AND IT WAS AND INTEREST OF A THE TRUSS AND INTEREST. LOCATED ON THIS BY (I) SHALL BE PER NCE OF PROFESSIONAL R, PER

<u>N</u>

, ₀₇ No. 52212 Y/CEA

STATE OF

X	TOENAIL	REINFORCING MEMBER	.4 VAG
X	TOENAIL	<	2X6 "T" REINFORCING MEMBER

SBCCI WIND LOAD. VERTICAL SPECIES, GRADE AND SPACING) FOR (1) TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR 2X4 "L" BRACE, GROUP A. OBTAINED FROM THE

WEB LENGTH INCREASE W/ "T" BRACE

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

30 FT 90 MPH 15 FT 90 MPH 30 FT	WIND AND 110 110 110 1100
30 FT 90 MPH	IND SPEED AND MRH 110 MPH 15 FT 110 MPH 30 FT 100 MPH 15 FT 100 MPH 115 FT
2x6	"T" REINF. MBR. SIZE 2x4 2x6 2x6 2x4 2x6 2x6 2x4 2x6
40 %	SBCCI 10 % 40 % 10 % 10 % 10 % 10 % 10 % 10 %
40	ASCE 10 % 50 % 10 % 10 % 10 % 10 % 10 % 10 %

EXAMPLE:

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

DRAY NG REPLACES DRAWINGS GAB98117 876,719 & HC26294035

R	3	<i>B</i>		F	_1	
XAM	UR.	XAJ			•	
MAX SPACING 240"	UR. FAC. ANY	TOT.				
UNIT		LD.				
2.2	ANY	60				
o,		PSF				
			-ENG	DRWG	DATE	REF
			-ENG DLJ/KAR	DRWG GBLLETIN0207	DATE 2/23/07	LET-IN VERT

Residential System Sizing Calculation

Summary

McCloud Mother-in-law's Suite SW Cumorah Hill St. Ft. White, FL Project Title: 710247BrownWillber Class 3 Rating Registration No. 0 Climate: North

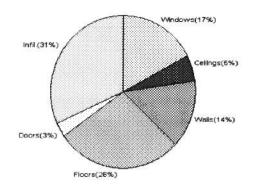
11/16/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)									
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)									
Winter design temperature	33	F	Summer design temperature	92	F				
Winter setpoint	70	F	Summer setpoint	75	F				
Winter temperature difference	37	F	Summer temperature difference	17	F				
Total heating load calculation	17311	Btuh	Total cooling load calculation	12213	Btuh				
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh				
Total (Electric Heat Pump)	115.5	20000	Sensible (SHR = 0.75)	161.9	15000				
Heat Pump + Auxiliary(0.0kW)	115.5	20000	Latent	169.7	5000				
			Total (Electric Heat Pump)	163.8	20000				

WINTER CALCULATIONS

Winter Heating Load (for 780 sqft)

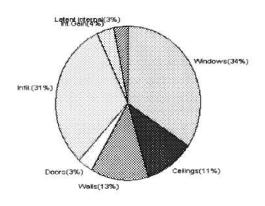
Load component			Load	
Window total	94	sqft	3010	Btuh
Wall total	763	sqft	2504	Btuh
Door total	40	sqft	518	Btuh
Ceiling total	810	sqft	954	Btuh
Floor total	112	sqft	4890	Btuh
Infiltration	134	cfm	5434	Btuh
Duct loss			0	Btuh
Subtotal			17311	Btuh
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			17311	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 780 sqft)

Load component			Load	
Window total	94	sqft	4186	Btuh
Wall total	763	sqft	1590	Btuh
Door total	40	sqft	392	Btuh
Ceiling total	810	sqft	1341	Btuh
Floor total			0	Btuh
Infiltration	70	cfm	1297	Btuh
Internal gain			460	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			9267	Btuh
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			2546	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occup	ants/othe	er)	400	Btuh
Total latent gain			2946	Btuh
TOTAL HEAT GAIN			12213	Btuh



For Florida residences only

PREPARED BY:

EnergyGauge® System Sizing
PREPARED BY:

EnergyGauge® FLR2PB v4.1

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

McCloud Mother-in-law's Suite SW Cumorah Hill St. Ft. White, FL

Project Title: 710247BrownWillber

Class 3 Rating Registration No. 0 Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

11/16/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
2	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	NE	15.0	32.2	483 Btuh
4	2, Clear, Metal, 0.87	SE	9.0	32.2	290 Btuh
5	2, Clear, Metal, 0.87	SE	13.5	32.2	435 Btuh
6	2, Clear, Metal, 0.87	SW	6.0	32.2	193 Btuh
7	2, Clear, Metal, 0.87	SW	15.0	32.2	483 Btuh
	Window Total		94(sqft)		3010 Btuh
Walls	Туре	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	763	3.3	2504 Btuh
	Wall Total		763		2504 Btuh
Doors	Туре		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	810	1.2	954 Btuh
	Ceiling Total		810		954Btuh
Floors	Туре	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	112.0 ft(p)	43.7	4890 Btuh
	Floor Total		112		4890_Btuh
		Z	one Envelope s	Subtotal:	11876 Btuh
Infiltration	Туре	ACH X	Zone Volume	CFM=	
minitiation	Natural	1.29	6240	134.2	5434 Btuh
	Matural	1.20	0270	107.2	5454 Bluff
Ductload	Average sealed, R6.0, Sup	ply(Attic), Retu	urn(Attic)	(DLM of 0.00)	0 Btuh
Zone #1		Sen	sible Zone Sul	ototal	17311 Btuh

WHOLE HOUSE TOTALS

· · · · · · · · · · · · · · · · · · ·	Subtotal Sensible Ventilation Sensible	17311 Btuh 0 Btuh
1	Total Btuh Loss	17311 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

McCloud Mother-in-law's Suite SW Cumorah Hill St. Ft. White, FL

Project Title: 710247BrownWillber

Class 3 Rating Registration No. 0 Climate: North

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear (Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details Project Title: Class 3

McCloud Mother-in-law's Suite SW Cumorah Hill St. Ft. White, FL

Project Title: 710247BrownWillber

Class 3 Rating Registration No. 0 Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F This calculation is for Worst Case. The house has been rotated 315 degrees.

11/16/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
2	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	NE	15.0	32.2	483 Btuh
4	2, Clear, Metal, 0.87	SE	9.0	32.2	290 Btuh
5	2, Clear, Metal, 0.87	SE	13.5	32.2	435 Btuh
6	2, Clear, Metal, 0.87	SW	6.0	32.2	193 Btuh
7	2, Clear, Metal, 0.87	SW	15.0	32.2	483 Btuh
	Window Total		94(sqft)		3010 Btuh
Walls	Туре	R-Value	Area X	HTM≔	Load
1	Frame - Wood - Ext(0.09)	13.0	763	3.3	2504 Btuh
	Wall Total		763		2504 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	810	1.2	954 Btuh
	Ceiling Total		810		954Btuh
Floors	Туре	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	112.0 ft(p)	43.7	4890 Btuh
	Floor Total		112		4890 Btuh
		Z	Zone Envelope	Subtotal:	11876 Btuh
Infiltration	Type Natural	ACH X 1.29	Zone Volume 6240	CFM= 134.2	5434 Btuh
Ductioad	Average sealed, R6.0, Supp	oly(Attic), Ret	urn(Attic)	(DLM of 0.00)	0 Btuh
Zone #1		17311 Btuh			

WHOLE HOUSE TOTA	LS	Parameter (pro-
	Subtotal Sensible Ventilation Sensible Total Btuh Loss	17311 Btuh 0 Btuh 17311 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

McCloud Mother-in-law's Suite SW Cumorah Hill St. Ft. White, FL

Project Title: 710247BrownWillber

Class 3 Rating Registration No. 0 Climate: North

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear

(Frame types - metal, wood or insulated metal) (U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

McCloud Mother-in-law's Suite SW Cumorah Hill St. Ft. White, FL Project Title: 710247BrownWillber

Class 3 Rating Registration No. 0 Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

11/16/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

	Type*		Over	hang	Wind	dow Area	a(sqft)	-	ITM	Load	
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	15.0	0.0	15.0	29	60	901	Btuh
2	2, Clear, 0.87, None, N, N	NW	1.5ft.	5.5ft.	20.0	0.0	20.0	29	60	1201	Btuh
3	2, Clear, 0.87, None, N, N	NE	1.5ft.	Oft.	15.0	0.0	15.0	29	60	901	Btuh
4	2, Clear, 0.87, None,N,N	SE	8ft.	3.5ft.	9.0	9.0	0.0	29	63	261	
5	2, Clear, 0.87, B-D, N,N	SE	8ft.	7.33	13.5	13.5	0.0	23	54	315	
6	2, Clear, 0.87, None,N,N	sw	1.5ft.	Oft.	6.0	6.0	0.0	29	63	174	
7	2, Clear, 0.87, None,N,N	SW	1.5ft.	Oft.	15.0	15.0	0.0	29	63	434	
	Window Total				94 (s	qft)				4186	Btuh
Walls	Туре		R-Va	alue/U	-Value	Area	(sqft)		HTM	Load	
1	Frame - Wood - Ext			13.0/0	0.09	76	2.5		2.1	1590	Btuh
	Wall Total					76	3 (sqft)			1590	Btuh
Doors	Type					Area	(sqft)		HTM	Load	
1	Insulated - Exterior					20	0.0		9.8	196	Btuh
2	Insulated - Exterior					20	0.0		9.8	196	Btuh
	Door Total					4	0 (sqft)			392	Btuh
Ceilings	Type/Color/Surface		R-Va	alue		Area	(sqft)		HTM	Load	
1	Vented Attic/DarkShingle			30.0		81	0.0		1.7	1341	Btuh
	Ceiling Total					81	0 (sqft)			1341	Btuh
Floors	Туре		R-Va	alue		Si	<u> </u>		нтм	Load	
1	Slab On Grade			0.0		11	12 (ft(p))		0.0	0	Btuh
	Floor Total						0 (sqft)			0	Btuh
							, , ,				
						Z	one Enve	elope Su	ubtotal:	7510	Btuh
nfiltration	Туре		A	CH		Volum	e(cuft)		CFM=	Load	
	SensibleNatural			0.67		62			69.7	1297	Btuh
Internal		(Occup	ants		Btuh/oc	cupant	Α	ppliance	Load	
gain			·	2		< 23	0 +		0	460	Btuh
Duct load	Average sealed, R6.0,	Supply	(Attic)	, Retu	ırn(Attio	C)		DGM:	= 0.00	0.0	Btuh
							Sensib	le Zone	Load	9267	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

McCloud Mother-in-law's Suite SW Cumorah Hill St. Ft. White, FL

Project Title: 710247BrownWillber

Class 3 Rating Registration No. 0 Climate: North

11/16/2007

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	9267	Btuh
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	9267	Btuh
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	Total sensible gain	9267	Btuh
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	2546	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400	Btuh
	Latent other gain	0	Btuh
	Latent total gain	2946	Btuh
	TOTAL GAIN	12213	Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R)) (ExSh - Exterior shading device: none(N) or numerical value) (BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



System Sizing Calculations - Summer

Residential Load - Room by Room Component Details Project Title: Class 3

McCloud Mother-in-law's Suite SW Cumorah Hill St. Ft. White, FL

710247BrownWillber

Class 3 Rating Registration No. 0 Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F This calculation is for Worst Case. The house has been rotated 315 degrees.

11/16/2007

Component Loads for Zone #1: Main

	Type*		Over	hang	Wind	dow Are	a(sqft)	H	тм	Load	
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross		Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	15.0	0.0	15.0	29	60	901	Btuh
2	2, Clear, 0.87, None, N, N	NW	1.5ft.	5.5ft.	20.0	0.0	20.0	29	60	1201	Btuh
3	2, Clear, 0.87, None, N, N	NE	1.5ft.	Oft.	15.0	0.0	15.0	29	60	901	Btuh
4	2, Clear, 0.87, None,N,N	SE	8ft.	3.5ft.	9.0	9.0	0.0	29	63	261	Btuh
5	2, Clear, 0.87, B-D, N,N	SE	8ft.	7.33	13.5	13.5	0.0	23	54	315	Btuh
6	2, Clear, 0.87, None,N,N	SW	1.5ft.	Oft.	6.0	6.0	0.0	29	63	174	
7	2, Clear, 0.87, None,N,N	SW	1.5ft.	Oft.	15.0	15.0	0.0	29	63	434	Btuh
	Window Total				94 (s	qft)				4186	Btuh
Walls	Туре		R-Va	alue/U	-Value	Area	(sqft)		HTM	Load	
1	Frame - Wood - Ext			13.0/0	0.09	76	2.5		2.1	1590	Btuh
	Wall Total					7€	33 (sqft)			1590	Btuh
Doors	Type					Area	(sqft)		HTM	Load	
1	Insulated - Exterior					20	0.0		9.8	196	Btuh
2	Insulated - Exterior					20	0.0		9.8	196	Btuh
	Door Total					4	10 (sqft)			392	Btuh
Ceilings	Type/Color/Surface		R-Va	alue	-	Area	(sqft)		HTM	Load	
1	Vented Attic/DarkShingle			30.0		81	0.0		1.7	1341	Btuh
	Ceiling Total					81	0 (sqft)			1341	Btuh
Floors	Туре		R-Va	alue		Si	ze		НТМ	Load	
1	Slab On Grade			0.0		1	12 (ft(p))		0.0	0	Btuh
	Floor Total						.0 (sqft)			0	Btuh
							. (1.7				
						Z	one Env	elope Si	ubtotal:	7510	Btuh
Infiltration	Туре		Δ	CH		Volum	e(cuft)		CFM=	Load	
	SensibleNatural			0.67			240		69.7	1297	Btuh
Internal		(Occup	ants		Btuh/o	ccupant	F	Appliance	Load	
gain				2		X 23	0 +		0	460	Btuh
Duct load	Average sealed, R6.0, S	Supply	(Attic)	, Retu	ırn(Atti	c)		DGM	= 0.00	0.0	Btuh
							Sensib	le Zone	Load	9267	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

McCloud Mother-in-law's Suite SW Cumorah Hill St. Ft. White, FL

Project Title: 710247BrownWillber

Class 3 Rating Registration No. 0 Climate: North

11/16/2007

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	9267	Btuh
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	9267	Btuh
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	Total sensible gain	9267	Btuh
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	2546	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400	Btuh
	Latent other gain	0	Btuh
	Latent total gain	2946	Btuh
	TOTAL GAIN	12213	Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint) (U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R)) (ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Residential Window Diversity

MidSummer

McCloud Mother-in-law's Suite SW Cumorah Hill St. Ft. White, FL

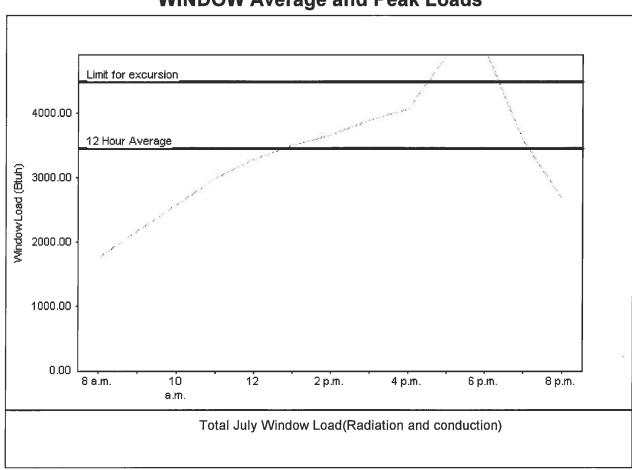
Project Title: 710247BrownWillber

Class 3 Rating Registration No. 0 Climate: North

11/16/2007

Weather data for: Gainesville - Det	aults		
Summer design temperature	92 F	Average window load for July	3453 Btuh
Summer setpoint	75 F	Peak window load for July	4993 Btuh
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	4488 Btuh
Latitude	29 North	Window excursion (July)	505 Btuh

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

REPARED BY: 🏒

DATE: //

EnergyGauge® FLR2PB v4.1



PRODUCT APPROVAL SPECIFICATION SHEET

Location:	Project Name:

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			
Swinging Sliding Sectional Roll up Automatic	THERAMTHA	16.8" STEEL/WOOD UPTO 6 FT OP	ED CI-0828,08
6. Other			
	0. 1.12-		
B. WINDOWS	CAPITAL Y DET	740, 165, 3240, 4250, Seeies	AAMA CERT BE
Single hung Horizontal Slider	IN L Moducis	740, 165, 3240, 4250, Jelles	101/15, 297
3. Casement	3		CTLA-744W-B
4. Double Hung			
5. Fixed		0.10 .15 2	01.28/12 05
6. Awning		740 165 3240 4250 Seeies	01,000 12,00
7. Pass -through			
8. Projected			
9. Mullion	D. T. Donduite	740, 165, 3240, 4250 SERIES	1 20102 07
10. Wind Breaker	INT FIRMANS	170, 160, 5240 TISO SERIES	01-25613,05
11 Dual Action			
12. Other			
C. PANEL WALL			
	MARRACAN	0/ 0/410/ 000 1 1	01001.0
1. Siding (Steen WELL) 2. Soffits	MAKER	8'-9'x10' OSB WALL Sheeting	NER 108
3. EIFS		WIND STROM	
4. Storefronts			· INT WATER . A SALE Sep tild a 10 pille Saleston Maryon to
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane	BARRICADE	B	20000
9. Greenhouse	BARRICADE	BUILDING WRAP FED SPEC.	<u>uu B790A</u>
10. Other			
D. ROOFING PRODUCTS			CONTRACTOR
Asphalt Shingles			
Underlayments	LIMOLALID	15th Dark En	1010
Roofing Fasteners	MOODLAND	15#, 30# FELT	AST 10-4869
Non-structural Metal Rf			
5. Built-Up Roofing			0.2. 3-0
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
	1		1

Calegory/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			AND THE RESIDENCE OF THE PROPERTY OF THE PROPE
E. SHUTTERS			
1. Accordion			1000000
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			The second secon
F. SKYLIGHTS			
1. Skylight			The state of the s
2. Other			
G. STRUCTURAL			
COMPONENTS			
1. Wood connector/anchor	SIMPSON STRO	05 TIE H-16, SP4, H2. SA, H-10, LSTA,	FL 2822
2. Truss plates			
3. Engineered lumber	ANTHONY	31/2"-51/2" to 24'GW-LAM	ASTM 7182.80
4. Railing	1017		
5. Coolers-freezers			2000
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof	NORBOARD	7/16-1/2" OSB	NER 108
11. Wall		7/16' X 8'-9'-16' Stoombrie	NERICE
12. Sheds			
13. Other			
H. NEW EXTERIOR			
ENVELOPE PRODUCTS			7 22
1.	1		200
2.			
time of inspection of these pobsite; 1) copy of the producent and certified to comply with,	oroducts, the fo ct approval, 2) t 3) copy of the a	ate product approval at plan review. I unde llowing information must be available to the the performance characteristics which the p applicable manufacturers installation requir e removed if approval cannot be demonstra	e inspector on the product wha fested ements.
account of the contract of the		A 2 1 4 12	11/11/07
will but		Print Name	12:10
Contractor or Contractor's Authorize	d Agent Signature	PINENAIIC	1 1110
5, N. Comeral Hil	1 57.	Damie H (PAP OT A DE TIOP	ONLY
Location		Pennit # (FOR STAFF USE	ONLI