

DATE 02/05/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000026713

APPLICANT LINDA RODER PHONE 752-2281
ADDRESS 389 SW KEMP CT LAKE CITY FL 32024
OWNER LINDA RODER PHONE 752-2281
ADDRESS 389 SW KEMP CT LAKE CITY FL 32024
CONTRACTOR SAME AS APPLICANT PHONE
LOCATION OF PROPERTY 47S, TL ON CATES, TL ON KEMP CT, 4TH LOT ON RIGHT, TR AT TAN
HOUSE, DRIVE BETWEEN TWO HOUSES, LOT IN BACK OF TAN HOUSE
TYPE DEVELOPMENT MOTHER-IN-LAW SUITE ESTIMATED COST OF CONSTRUCTION 50200.00
HEATED FLOOR AREA 900.00 TOTAL AREA 1004.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING A-3 MAX. HEIGHT 15
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 14-5S-16-03612-000 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES 3.23

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 08-0018 BK JH
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, ACCESSORY USE, NO KITCHEN IN MOTHER IN
LAW SUITE PER RJ, NOC ON FILE

Check # or Cash 1812

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 255.00 CERTIFICATION FEE \$ 5.02 SURCHARGE FEE \$ 5.02
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 340.04
INSPECTORS OFFICE CLERKS OFFICE

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

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

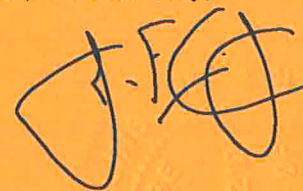
EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN
180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A
PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION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

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

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: ITD68228Z0210090807

Truss Fabricator: Anderson Truss Company
Job Identification: 7-368--OWNER BUILDER Linda Roder/Mother-In-Law -- S.W. Kemp Ct Lake City, **
Truss Count: 5
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:

Seal Date: 12/10/2007

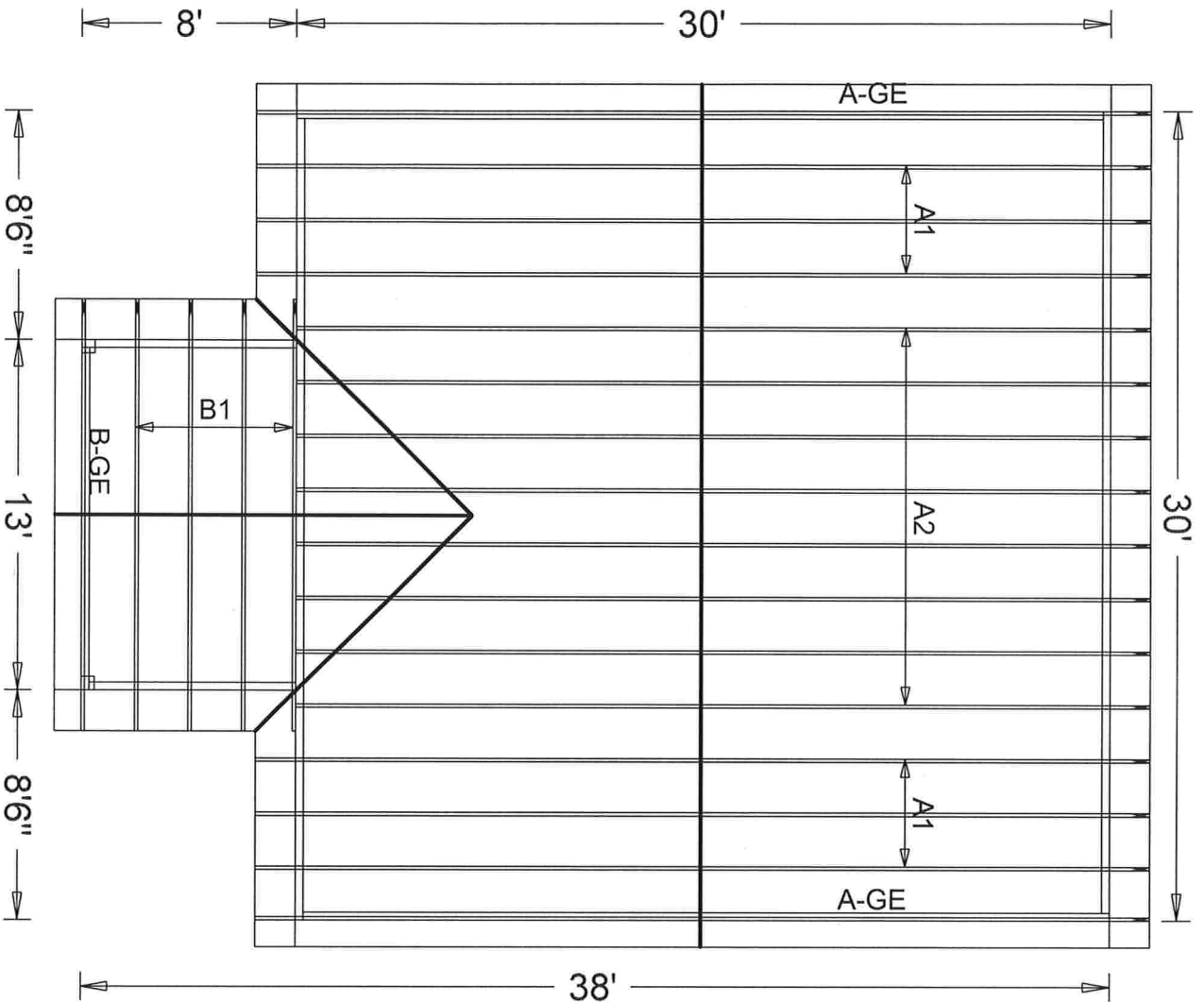
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228.

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-A11015EE-GBLLETIN-

#	Ref	Description	Drawing#	Date
1	54612--A1		07344001	12/10/07
2	54613--A2		07344002	12/10/07
3	54614--A-GE		07344004	12/10/07
4	54615--B-GE		07344005	12/10/07
5	54616--B1		07344003	12/10/07





#7-368
 LINDA RODER
 MOTHER-IN-LAW SUITE

Roof Plane Sheathing Area = 1315 sq. ft
 Gable Sheathing Area = 271 sq. ft
 Total Sheathing Area = 1586 sq. ft
 Fascia Material = 155 linear ft
 Valley Flashing Material = 24 linear ft
 Ridge Cap Material = 48 linear ft
 Hip Ridge Material = 0 linear ft

JOB DESCRIPTION:: OWNER BUILDER
 /: Linda Roder/Mother-In-Law

(7-368--OWNER BUILDER Linda Roder/Mother-In-Law -- S.W. Kemp Ct Lake City, ** - A1)

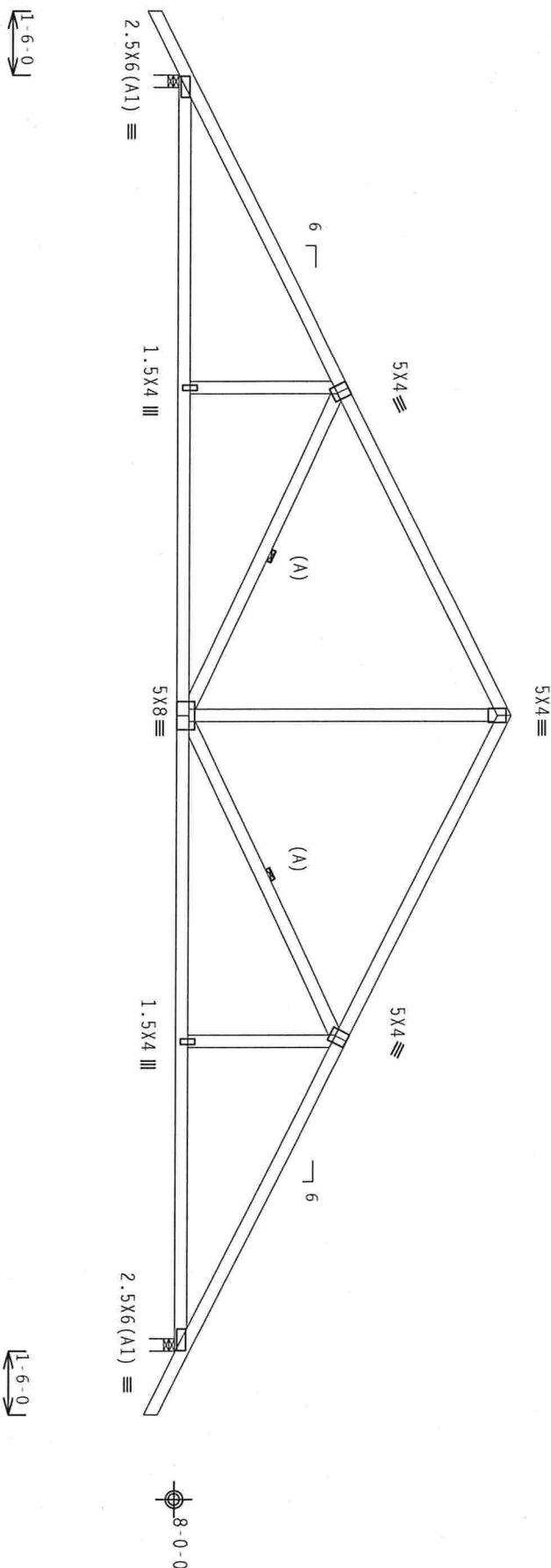
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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, lw=1.00 Gcpl(+/-)=0.18

Wind reactions based on MMFRS pressures.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/0.00

7.36.0424

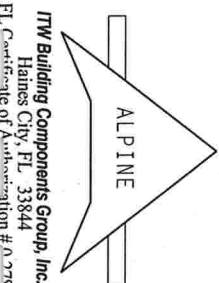
QTY:1 FL/-/4/-/-/R/-

Scale = .25"/Ft.

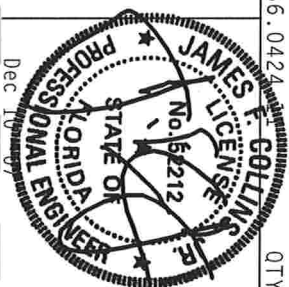
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTION PLATES ARE MADE OF 20/10/100A (W/H/SS/XX) ASH 4653 GRADE 40/60 (W, R/H/SS) GALV. STEEL. ITW BCG TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314. REFER TO BCSTI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Approval #0378



Dec 10/07

TC LL	20.0 PSF	REF	R8228-54612
TC DL	10.0 PSF	DATE	12/10/07
BC DL	10.0 PSF	DRW	HCUSR8228 07344001
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	65492
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TD68228Z02

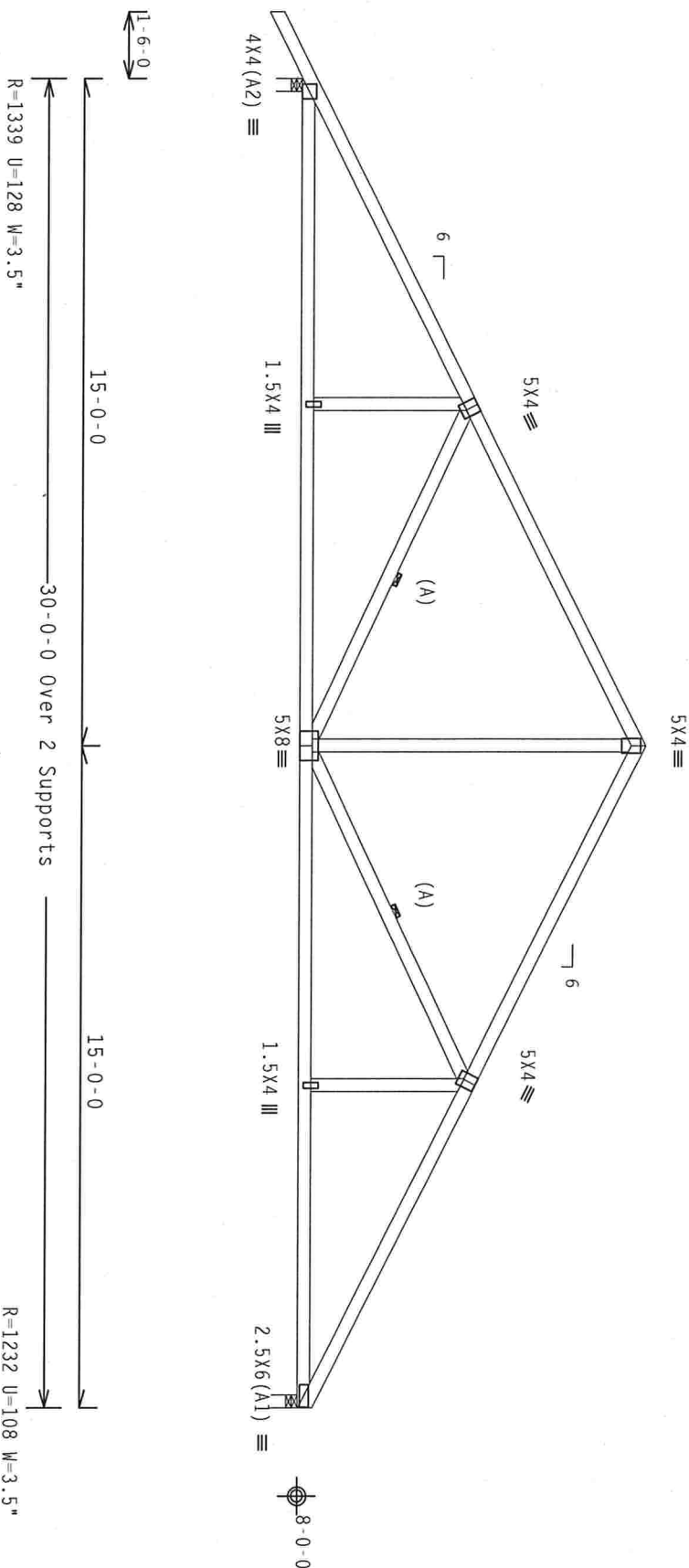
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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. $I_w=1.00$ GCPI (+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



PLT TYP. Wave

Design Cmt: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0)

7.36.0424

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

Scale =.25"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RIGID BRACING IS REQUIRED TO MAINTAIN THE TRUSS IN ITS DESIGNED POSITION. THE TRUSS MUST BE PROPERLY BRACED TO THE SUPPORTS AND TO EACH OTHER TO PREVENT BUCKLING. THE TRUSS MUST BE PROPERLY BRACED TO THE SUPPORTS AND TO EACH OTHER TO PREVENT BUCKLING. THE TRUSS MUST BE PROPERLY BRACED TO THE SUPPORTS AND TO EACH OTHER TO PREVENT BUCKLING.

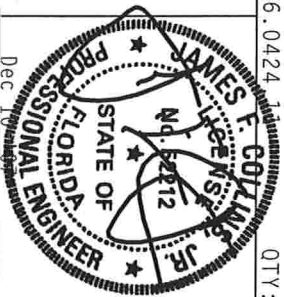
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

CONNECTIONS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. DRAWING INDICATES THE SITUATION OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SITUATION OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SITUATION OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN.

FL. Components of Assembly Identification # 0000

ITW Building Components Group, Inc.
Haines City, FL 33844



TC LL	20.0 PSF	REF	R8228 - 54613
TC DL	10.0 PSF	DATE	12/10/07
BC DL	10.0 PSF	DRW	HGUSR8228 07344002
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	65498
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TD68228Z02

THIS WORK PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY IRUSS M.F.K.

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. $I_w=1.00$ GCPI (+/-)=0.18

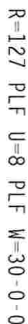
Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLETTIN0207 for more requirements.

stacked top chord must NOT be notched or cut in area (NML).
Dropped top chord braced at 24" o.c. intervals. Attach stacked

interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

4X5 (R) III



Scale = .25" / Ft.

****IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT**

Haines City, FL 33844
FL Certificate of Authorization # 0078



Dec 10

TC LL	20.0 PSF	REF	R8228- 54614
TC DL	10.0 PSF	DATE	12/10/07
BC DL	10.0 PSF	DRW	HCUSR8228 07344004
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	65504
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TD68228202

THIS WORK PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY IKUZO M.K.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. 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 (+/-) -0.55

Wind reactions based on MwFRS pressures.

Stacked top chord must NOT be notched or cut in area (NNL).
Dropped top chord braced at 24" o.c. intervals. Attach stacked

interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

Stacked top chord must NOT be notched or cut in area (NML).
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.


$$Cq/RT=1.00(1.25)/0(0)$$

Scale = .5" / Ft.

BRACING, CURVE, 218 A, 6300 UNLESS SHALL HAVE	TC LL	20.0 PSF
	TC DL	10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT. LD. 40.0 PSF

DUR. FAC. 1.25

SPACING 34 0"

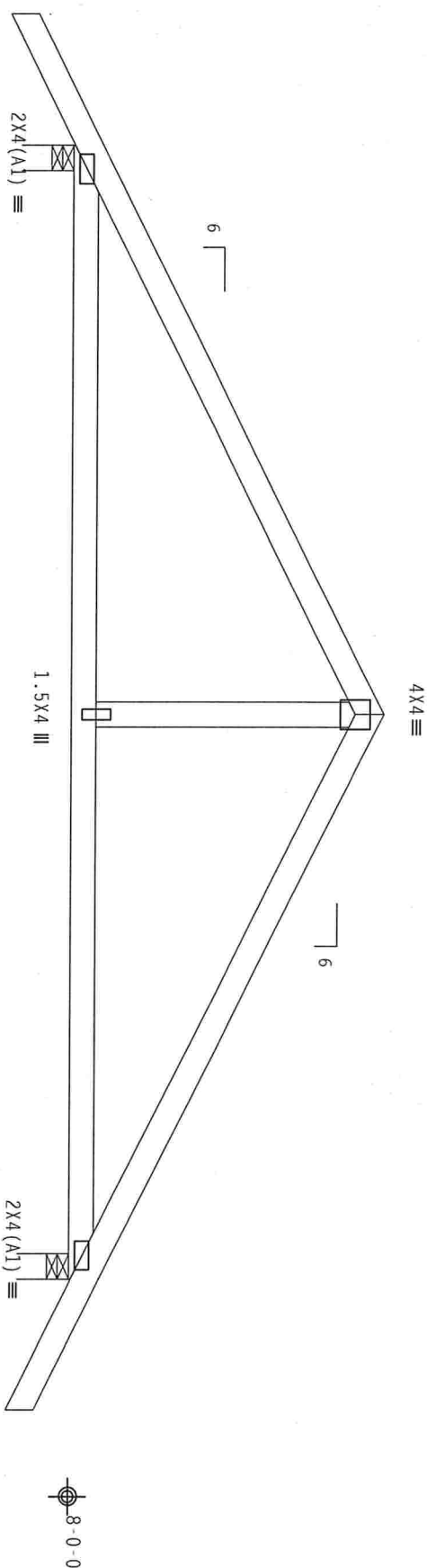
24.0 UNCLAS

TC LL	20.0 PSF	REF	R8228- 54615
TC DL	10.0 PSF	DATE	12/10/07
BC DL	10.0 PSF	DRW	HCURS8228 07344005
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	65482
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TD68228Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY IKUSS MFK.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.55

Wind reactions based on MWFRS pressures.



0-6-0 → ← 1-6-0

0-9-9

-13-0-0 Over 2 Supports

0-9-9

1-6-0

R=636 U=135 W=3.5"

R=636 U=135 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/0(0)$$

7.36.0424

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

Scale = .5" / Ft.

WARNING—TRUCKS (LOADING, EXTERIOR, CEMENT, MORTAR, BRICKS, SHIPMENT, SHIPPING, INSTALLING AND BROCKING) REFER TO GC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 63000 ENTERPRISE LANE, MONTICELLO, MI 48319) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. INTERESTED PARTICIPANTS INDICATED THAT GOOD SHOPS HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED SIDING CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT

TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018-T3 ALUMINUM. ASTM A505, GRADE 40, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000, 1010, 1020, 1030, 1040, 1050, 1060, 1070, 1080, 1090, 1100, 1110, 1120, 1130, 1140, 1150, 1160, 1170, 1180, 1190, 1200, 1210, 1220, 1230, 1240, 1250, 1260, 1270, 1280, 1290, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, 1430, 1440, 1450, 1460, 1470, 1480, 1490, 1500, 1510, 1520, 1530, 1540, 1550, 1560, 1570, 1580, 1590, 1600, 1610, 1620, 1630, 1640, 1650, 1660, 1670, 1680, 1690, 1700, 1710, 1720, 1730, 1740, 1750, 1760, 1770, 1780, 1790, 1800, 1810, 1820, 1830, 1840, 1850, 1860, 1870, 1880, 1890, 1900, 1910, 1920, 1930, 1940, 1950, 1960, 1970, 1980, 1990, 2000, 2010, 2020, 2030, 2040, 2050, 2060, 2070, 2080, 2090, 2100, 2110, 2120, 2130, 2140, 2150, 2160, 2170, 2180, 2190, 2200, 2210, 2220, 2230, 2240, 2250, 2260, 2270, 2280, 2290, 2300, 2310, 2320, 2330, 2340, 2350, 2360, 2370, 2380, 2390, 2400, 2410, 2420, 2430, 2440, 2450, 2460, 2470, 2480, 2490, 2500, 2510, 2520, 2530, 2540, 2550, 2560, 2570, 2580, 2590, 2600, 2610, 2620, 2630, 2640, 2650, 2660, 2670, 2680, 2690, 2700, 2710, 2720, 2730, 2740, 2750, 2760, 2770, 2780, 2790, 2800, 2810, 2820, 2830, 2840, 2850, 2860, 2870, 2880, 2890, 2900, 2910, 2920, 2930, 2940, 2950, 2960, 2970, 2980, 2990, 3000, 3010, 3020, 3030, 3040, 3050, 3060, 3070, 3080, 3090, 3100, 3110, 3120, 3130, 3140, 3150, 3160, 3170, 3180, 3190, 3200, 3210, 3220, 3230, 3240, 3250, 3260, 3270, 3280, 3290, 3300, 3310, 3320, 3330, 3340, 3350, 3360, 3370, 3380, 3390, 3400, 3410, 3420, 3430, 3440, 3450, 3460, 3470, 3480, 3490, 3500, 3510, 3520, 3530, 3540, 3550, 3560, 3570, 3580, 3590, 3600, 3610, 3620, 3630, 3640, 3650, 3660, 3670, 3680, 3690, 3700, 3710, 3720, 3730, 3740, 3750, 3760, 3770, 3780, 3790, 3800, 3810, 3820, 3830, 3840, 3850, 3860, 3870, 3880, 3890, 3900, 3910, 3920, 3930, 3940, 3950, 3960, 3970, 3980, 3990, 4000, 4010, 4020, 4030, 4040, 4050, 4060, 4070, 4080, 4090, 4100, 4110, 4120, 4130, 4140, 4150, 4160, 4170, 4180, 4190, 4200, 4210, 4220, 4230, 4240, 4250, 4260, 4270, 4280, 4290, 4300, 4310, 4320, 4330, 4340, 4350, 4360, 4370, 4380, 4390, 4400, 4410, 4420, 4430, 4440, 4450, 4460, 4470, 4480, 4490, 4500, 4510, 4520, 4530, 4540, 4550, 4560, 4570, 4580, 4590, 4600, 4610, 4620, 4630, 4640, 4650, 4660, 4670, 4680, 4690, 4700, 4710, 4720, 4730, 4740, 4750, 4760, 4770, 4780, 4790, 4800, 4810, 4820, 4830, 4840, 4850, 4860, 4870, 4880, 4890, 4900, 4910, 4920, 4930, 4940, 4950, 4960, 4970, 4980, 4990, 5000, 5010, 5020, 5030, 5040, 5050, 5060, 5070, 5080, 5090, 5100, 5110, 5120, 5130, 5140, 5150, 5160, 5170, 5180, 5190, 5200, 5210, 5220, 5230, 5240, 5250, 5260, 5270, 5280, 5290, 5300, 5310, 5320, 5330, 5340, 5350, 5360, 5370, 5380, 5390, 5400, 5410, 5420, 5430, 5440, 5450, 5460, 5470, 5480, 5490, 5500, 5510, 5520, 5530, 5540, 5550, 5560, 5570, 5580, 5590, 5600, 5610, 5620, 5630, 5640, 5650, 5660, 5670, 5680, 5690, 5700, 5710, 5720, 5730, 5740, 5750, 5760, 5770, 5780, 5790, 5800, 5810, 5820, 5830, 5840, 5850, 5860, 5870, 5880, 5890, 5900, 5910, 5920, 5930, 5940, 5950, 5960, 5970, 5980, 5990, 6000, 6010, 6020, 6030, 6040, 6050, 6060, 6070, 6080, 6090, 6100, 6110, 6120, 6130, 6140, 6150, 6160, 6170, 6180, 6190, 6200, 6210, 6220, 6230, 6240, 6250, 6260, 6270, 6280, 6290, 6300, 6310, 6320, 6330, 6340, 6350, 6360, 6370, 6380, 6390, 6400, 6410, 6420, 6430, 6440, 6450, 6460, 6470, 6480, 6490, 6500, 6510, 6520, 6530, 6540, 6550, 6560, 6570, 6580, 6590, 6600, 6610, 6620, 6630, 6640, 6650, 6660, 6670, 6680, 6690, 6700, 6710, 6720, 6730, 6740, 6750, 6760, 6770, 6780, 6790, 6800, 6810, 6820, 6830, 6840, 6850, 6860, 6870, 6880, 6890, 6900, 6910, 6920, 6930, 69

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

1000

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 00370

FL/-/4/-/-/R/-		Scale=.5"/Ft.
TC LL	20.0 PSF	REF R8228- 54616
TC DL	10.0 PSF	DATE 12/10/07
BC DL	10.0 PSF	DRW HCURS8228 07344003
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 65486
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TD68228702

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE, FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.



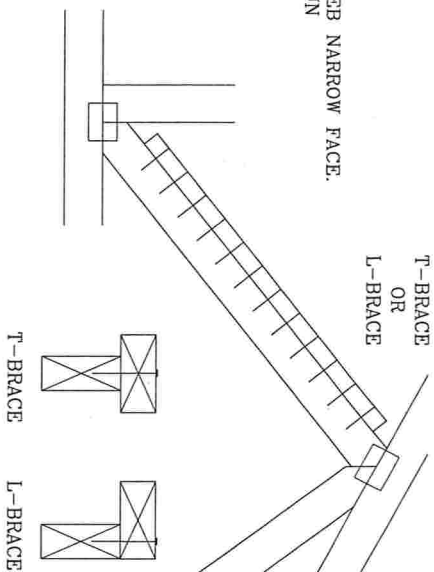
ITV BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TRUSS COUNCIL OF AMERICA, 6900 ENTERPRISE LN, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. TRUSSES SHOULD BE STORED PROPERLY, PROTECT ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS. ALL TRUSSES SHALL BE GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE INDICATED ON DRAWING, PER DESIGN, POSITION PER DRAWINGS 1606-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

T-BRACING OR L-BRACING:

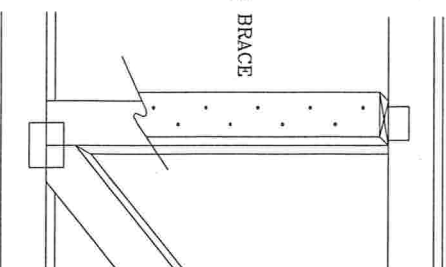
APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN
(0.128" x 3", MIN) NAILS.
AT 6" O.C. BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



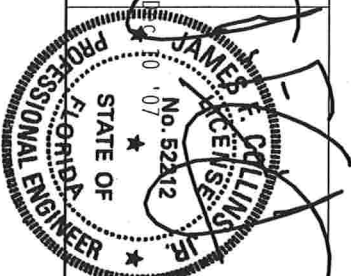
SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
(0.128" x 3", MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH

SCAB BRACE

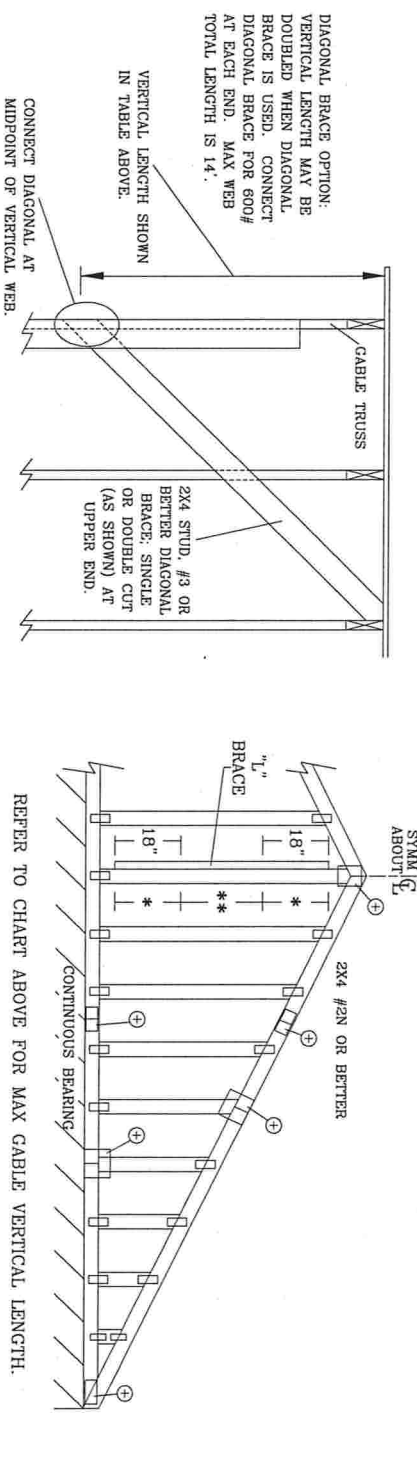


THIS DRAWING REPLACES DRAWING 579,640



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCLBSUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

2X4 GABLE VERTICAL SPECIES		BRACE		NO		(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE *		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE *	
SPACING	GRADE	BRACE	NO	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	DFL	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 5"	12' 5"	12' 9"	14' 0"	14' 0"	14' 0"
		SPF	#3	3' 9"	6' 0"	6' 0"	7' 11"	8' 1"	9' 5"	9' 5"	12' 4"	12' 9"	14' 0"	14' 0"	14' 0"
		HF	STUD	3' 9"	6' 0"	6' 0"	7' 11"	8' 1"	9' 5"	9' 5"	12' 3"	12' 9"	14' 0"	14' 0"	14' 0"
		SP	STANDARD	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"
		SP	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"
16" O.C.	DFL	SPF	#1 / #2	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 5"	12' 5"	12' 8"	14' 0"	14' 0"	14' 0"
		SPF	#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 5"	12' 5"	12' 8"	14' 0"	14' 0"	14' 0"
		HF	STUD	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 5"	12' 5"	12' 8"	14' 0"	14' 0"	14' 0"
		SP	STANDARD	4' 4"	6' 4"	6' 4"	7' 4"	8' 4"	9' 4"	10' 4"	12' 4"	13' 4"	14' 0"	14' 0"	14' 0"
		SP	#1	4' 4"	6' 4"	6' 4"	7' 4"	8' 4"	9' 4"	10' 4"	12' 4"	13' 4"	14' 0"	14' 0"	14' 0"
24" O.C.	DFL	SPF	#1 / #2	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		SPF	#3	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		HF	STUD	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		SP	STANDARD	4' 6"	7' 6"	7' 6"	8' 6"	9' 6"	10' 6"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		SP	#1	4' 6"	7' 6"	7' 6"	8' 6"	9' 6"	10' 6"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"



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

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

ALPINE

CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.

VERTICAL LENGTH SHOWN IN TABLE ABOVE.

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.

2X4 STUD, #3 OR BETTER DIAGONAL BRACE, SINGLE OR DOUBLE CUT (AS SHOWN) AT UPPER END.

REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

MAX. SPACING 24.0"

MAX. TOT. LD. 60 PSF

REF ASCET-02-CAB11015

DATE 2/23/07

DRWG A11015EE0207

-ENG

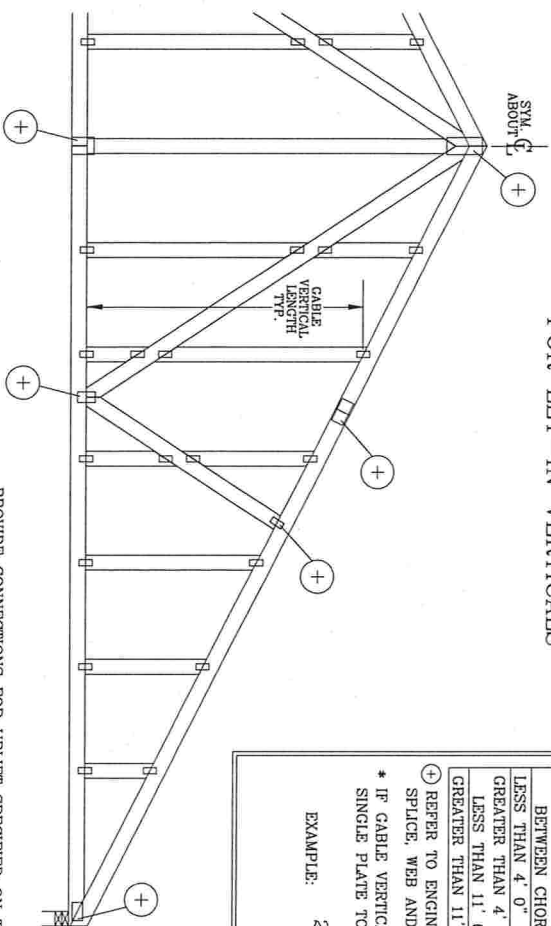
STATE OF FLORIDA

PROFESSIONAL ENGINEER

JAMES F. COLLINS

No. 52212

GABLE DETAIL FOR LET-IN VERTICALS



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

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

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE: 2X4 2X4 2X8

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148" X 3.3" MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:
8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

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

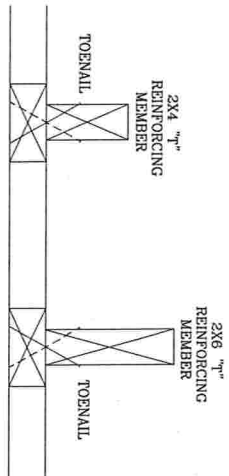
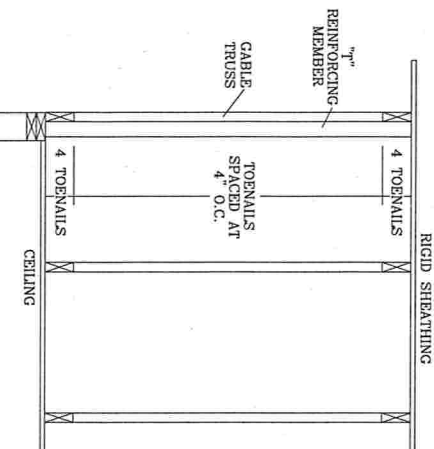
ASCE 7-93 GABLE DETAIL DRAWINGS
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A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207

ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC0207, A12015EC0207, A11015EC0207, A08515EC0207,
A13030EC0207, A12030EC0207, A11030EC0207, A08530EC0207

ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EB0207, A12015EB0207, A11015EB0207, A08515EB0207,
A13030EB0207, A12030EB0207, A11030EB0207, A08530EB0207

ASCE 7-05 GABLE DETAIL DRAWINGS
A13015ES0207, A12015ES0207, A11015ES0207, A08515ES0207,
A13030ES0207, A12030ES0207, A11030ES0207, A08530ES0207

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



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

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

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

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

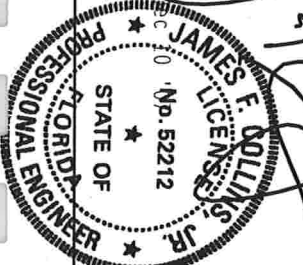
THIS DRAWING REPLACES DRAWINGS GAB98117 876.719 & HC26294035



ALPINE BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLANT INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314 AND WICA CADD TRUSS COUNCIL OF AMERICA, 6900 ENTERPRISE LN, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. TPI BCS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATING FROM THIS DESIGN, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, ANY FAILURE TO BUILD THE TRUSSES IN DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY AF&PA AND RET. DESIGN CONNECTOR PLATES ARE MADE OF 2018/1664 (V/J/SS)XO ASTM A653 GRADE 40/60 (V/J/SS)XO. DESIGN SPECIFICATIONS FOR EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS PER DESIGN, ALL TRUSS MEMBERS SHALL BE PROTECTED BY 1/2" MIN. THICK GALVALUME OR EQUIVALENT. ANNEX A3 OF TPI 1-8002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SAFELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



REF	LET-IN VERT
DATE	2/23/07
DRWG	GBLETTIN0207
-ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"



Product Approval
USER: Public User

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[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

FL #

FL1956-R1

Application Type

Revision

Code Version

2004

Application Status

Approved

Comments

Archived

Product Manufacturer
Address/Phone/Email

TAMKO Building Products, Inc.
PO Box 1404
Joplin, MO 64802
(800) 641-4691 ext 2394
fred_oconnor@tamko.com

Authorized Signature

Frederick O'Connor
fred_oconnor@tamko.com

Technical Representative
Address/Phone/Email

Frederick J. O'Connor
PO Box 1404
Joplin, MO 64802
(800) 641-4691
fred_oconnor@tamko.com

Quality Assurance Representative
Address/Phone/Email

Category
Subcategory

Roofing
Asphalt Shingles

Compliance Method

Certification Mark or Listing

Certification Agency

Underwriters Laboratories Inc.

Referenced Standard and Year (of
Standard)

Standard
ASTM D 3462

Year
2001

Equivalence of Product Standards
Certified By

Product Approval Method

Method 1 Option A

Date Submitted

06/09/2005

Date Validated

06/20/2005

Date Pending FBC Approval

06/25/2005

Date Approved

06/29/2005

Summary of Products

FL #	Model, Number or Name	Description
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slopes of 2:12 or greater. Not approved for use in HVHZ.

[Back](#)[Next](#)

DCA Administration

***Department of Community Affairs
Florida Building Code Online
Codes and Standards***

2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

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Product Approval Accepts:





**Underwriters
Laboratories Inc.**

Northbrook Division

333 Pfingsten Road
Northbrook, IL 60062-2096 USA
www.ul.com
tel: 1 847 272 6600

June 17, 2005

Tamko Roofing Products
Ms. Kerri Eden
P.O. Box 1404
220 W. 4th Street
Joplin, MO 64802-1404

Our Reference: R2919

This is to confirm that "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage 50 AR", "Glass-Seal AR" manufactured at Tuscaloosa, AL and "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage XL AR", "Heritage 50 AR" manufactured at Frederick, MD and "Heritage 30 AR", "Heritage XL AR", and "Heritage 50 AR" manufactured in Dallas, TX are UL Listed asphalt glass mat shingles and have been evaluated in accordance with ANSI/UL 790, Class A (ASTM E108), ASTM D3462, ASTM D3161 or UL 997 modified to 110 mph when secured with four nails.

Let me know if you have any further questions.

Very truly yours,

Alpesh Patel (Ext. 42522)
Engineer Project
Fire Protection Division

Reviewed by,

Randall K. Laymon (Ext. 42687)
Engineer Sr Staff
Fire Protection Division



Application Instructions for

• HERITAGE® VINTAGE™ AR – Phillipsburg, KS LAMINATED ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

TAMKO does not recommend re-roofing over existing roof.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement.
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents. FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

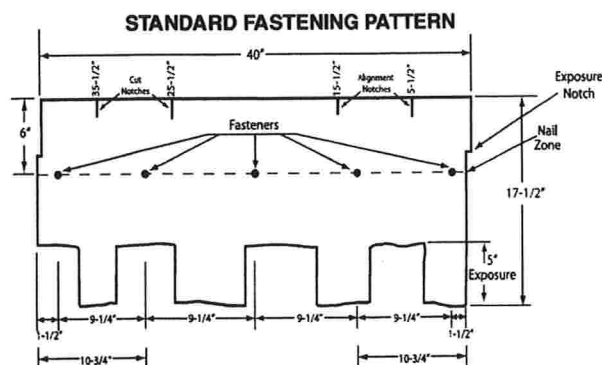
3. FASTENERS

WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, this will result in the termination of TAMKO's liabilities under the limited warranty. TAMKO will not be responsible for damage to shingles caused by winds in excess of the applicable miles per hour as stated in the limited warranty. See limited warranty for details.

FASTENING PATTERNS: Fasteners must be placed 6 in. from the top edge of the shingle located horizontally as follows:

1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1-1/2 in. back from each end, one 10-3/4 in. back from each end and one 20 in. from one end of the shingle for a total of 5 fasteners. (See standard fastening pattern illustrated below).



2) Mansard or Steep Slope Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) Use standard nailing instructions with four additional nails placed 6 in. from the butt edge of the shingle making certain nails are covered by the next (successive) course of shingles.

(Continued)

Visit Our Web Site at
www.tamko.com

Central District	220 West 4th St., Joplin, MO 64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD 21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2656
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8868

05/06

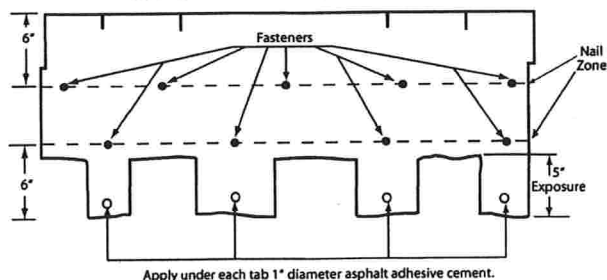


(CONTINUED from Pg. 1)

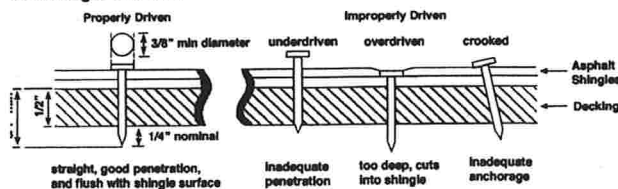
• HERITAGE® VINTAGE™ AR – Phillipsburg, KS LAMINATED ASPHALT SHINGLES

Each shingle tab must be sealed underneath with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a \$.25 piece and applied to shingles with a 5 in. exposure, use 9 fasteners per shingle.

MANSARD FASTENING PATTERN



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12 gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in. into the roof deck. Where the deck is less than 3/4 in. thick, the nails should be long enough to penetrate completely through plywood decking and extend at least 1/8 in. through the roof deck. Drive nail head flush with the shingle surface.



4. UNDERLAYMENT

UNDERLAYMENT: An underlayment consisting of asphalt saturated felt must be applied over the entire deck before the installation of TAMKO shingles. Failure to add underlayment can cause premature failure of the shingles and leaks which are not covered by TAMKO's limited warranty. Apply the felt when the deck is dry. On roof decks 4 in. per foot and greater apply the felt parallel to the eaves lapping each course of the felt over the lower course at least 2 in. Where ends join, lap the felt 4 in. If left exposed, the underlayment felt may be adversely affected by moisture and weathering. Laying of the underlayment and the shingle application must be done together.

Products which are acceptable for use as underlayment are:

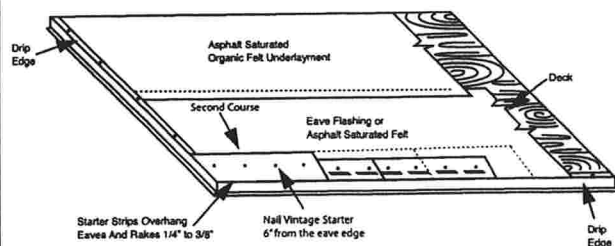
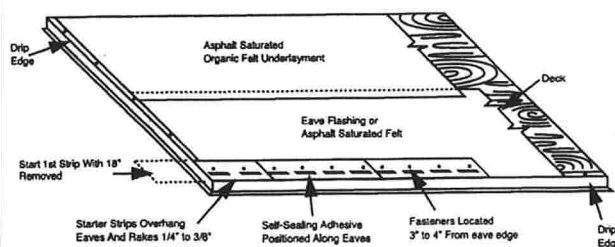
- TAMKO No. 15 Asphalt Saturated Organic Felt
- A non-perforated asphalt saturated organic felt which meets ASTM: D226, Type I or ASTM D4869, Type I
- Any TAMKO non-perforated asphalt saturated organic felt
- TAMKO TW Metal and Tile Underlayment, TW Underlayment and Moisture Guard Plus® (additional ventilation maybe required. Contact TAMKO's technical services department for more information)

In areas where ice builds up along the eaves or a back-up of water from frozen or clogged gutters is a potential problem, TAMKO's Moisture Guard Plus® waterproofing underlayment (or any specialty eaves flashing product) may be applied to eaves, rakes, ridges, valleys, around chimneys, skylights or dormers to help prevent water damage. Contact TAMKO's Technical Services Department for more information. TAMKO does not recommend the use of any substitute products as shingle underlayment.

5. APPLICATION INSTRUCTIONS

STARTER COURSE: Two starter course layers must be applied prior to application of Heritage Vintage AR Shingles.

The first starter course may consist of TAMKO Shingle Starter, three tab self-sealing type shingles or a 9 inch wide strip of mineral surface roll roofing. If three tab self-sealing shingles are used, remove the exposed tab portion and install with the factory applied adhesive adjacent to the eaves. If using three tab self-sealing shingles or shingle starter, remove 18 in. from first shingle to offset the end joints of the Vintage Starter. Attach the first starter course with approved fasteners along a line parallel to and 3 in. to 4 in. above the eave edge. The starter course should overhang both the eave and rake edge 1/4 in. to 3/8 in. Over the first starter course, install Heritage Vintage Starter AR and begin at the left rake edge with a full size shingle and continue across the roof nailing the Heritage Vintage Starter AR along a line parallel to and 6 in. from the eave edge.



Note: Do not allow Vintage Starter AR joints to be visible between shingle tabs. Cutting of the starter may be required.

HERITAGE VINTAGE STARTER AR
12 1/2" x 36" 20 PIECES PER BUNDLE
60 LINEAL FT. PER BUNDLE

(Continued)

Visit Our Web Site at
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Central District 220 West 4th St., Joplin, MO 64801
Northeast District 4500 Tamko Dr., Frederick, MD 21701
Southeast District 2300 35th St., Tuscaloosa, AL 35401
Southwest District 7910 S. Central Exp., Dallas, TX 75216
Western District 5300 East 43rd Ave., Denver, CO 80216

800-641-4691
800-368-2055
800-228-2656
800-443-1834
800-530-8868

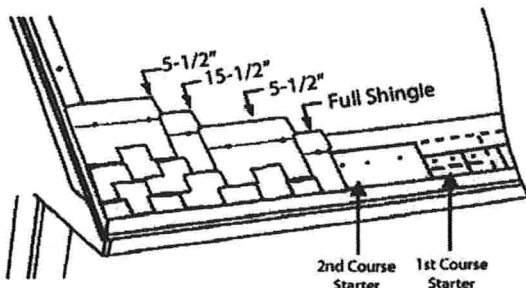
05/06



(CONTINUED from Pg. 2)

• HERITAGE® VINTAGE™ AR – Phillipsburg, KS LAMINATED ASPHALT SHINGLES

SHINGLE APPLICATION: Start the first course at the left rake edge with a full size shingle and overhang the rake edge 1/4 in. to 3/8 in.. To begin the second course, align the right side of the shingle with the 5-1/2 in. alignment notch on the first course shingle making sure to align the exposure notch. (See shingle illustration on next page) Cut the appropriate amount from the rake edge so the overhang is 1/4" to 3/8". For the third course, align the shingle with the 15-1/2 in. alignment notch at the top of the second course shingle, again being sure to align the exposure notch. Cut the appropriate amount from the rake edge. To begin the fourth course, align the shingle with the 5-1/2 in. alignment notch from the third course shingle while aligning the exposure notch. Cut the appropriate amount from the rake edge. Continue up the rake in as many rows as necessary using the same formula as outlined above. Cut pieces may be used to complete courses at the right side. As you work across the roof, install full size shingles taking care to align the exposure notches. Shingle joints should be no closer than 4 in.



6. LOW SLOPE APPLICATION

On pitches 2 in. per foot to 4 in. per foot cover the deck with two layers of underlayment. Begin by applying the underlayment in a 19 in. wide strip along the eaves and overhanging the drip edge by 1/4 to 3/4 in. Place a full 36 in. wide sheet over the 19 in. wide starter piece, completely overlapping it. All succeeding courses will be positioned to overlap the preceding course by 19 in. If winter temperatures average 25°F or less, thoroughly cement the laps of the entire underlayment to each other with plastic cement from eaves and rakes to a point of a least 24 in. inside the interior wall line of the building. As an alternative, TAMKO's Moisture Guard Plus self-adhering waterproofing underlayment may be used in lieu of the cemented felts.

7. VALLEY APPLICATION

TAMKO recommends an open valley construction with Heritage Vintage AR shingles.

To begin, center a sheet of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment in the valley.

After the underlayment has been secured, install the recommended corrosion resistant metal (26 gauge galvanized metal or an equivalent) in the valley. Secure the valley metal to the roof deck. Overlaps should be 12" and cemented.

Following valley metal application; a 9" to 12" wide strip of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment should be applied along the edges of the metal valley flashing (max. 6" onto metal valley flashing) and on top of the valley underlayment. The valley will be completed with shingle application.

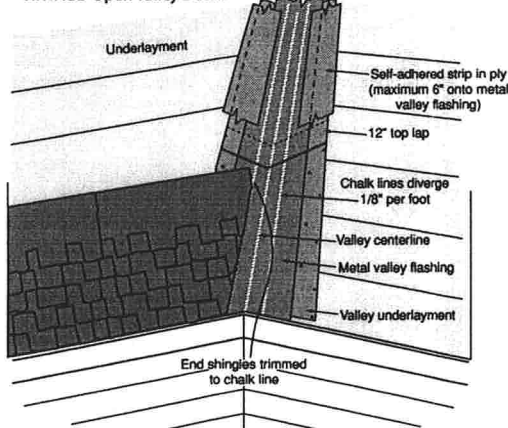
SHINGLE APPLICATION INSTRUCTIONS (OPEN VALLEY)

- Snap two chalk lines, one on each side of the valley centerline over the full length of the valley flashing. Locate the upper ends of the chalk lines 3" to either side of the valley centerline.
- The lower end should diverge from each other by 1/8" per foot. Thus, for an 8' long valley, the chalk lines should be 7" either side of the centerline at the eaves and for a 16' valley 8".

As shingles are applied toward the valley, trim the last shingle in each course to fit on the chalk line. Never use a shingle trimmed less than 12" in length to finish a course running into a valley. If necessary, trim the adjacent shingle in the course to allow a longer portion to be used.

- Clip 1" from the upper corner of each shingle on a 45° angle to direct water into the valley and prevent it from penetrating between the courses.
- Form a tight seal by cementing the shingle to the valley lining with a 3" width of asphalt plastic cement (conforming to ASTM D 4586).

VINTAGE Open Valley Detail



• CAUTION:

Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.

(Continued)

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05/06



(CONTINUED from Pg. 3)

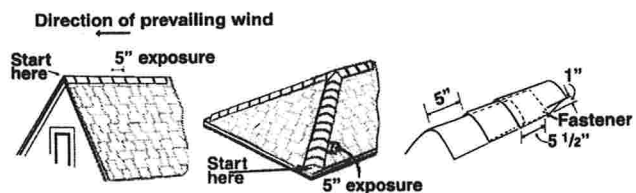
• HERITAGE® VINTAGE™ AR – Phillipsburg, KS LAMINATED ASPHALT SHINGLES

8. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener on each side, 5-1/2 in. back from the exposed end and 1 in. up from the edge. TAMKO recommends the use of TAMKO Heritage Vintage Hip & Ridge shingle products.

Fasteners should be 1/4 in. longer than the ones used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLE IN COLD WEATHER.



THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

TAMKO®, Moisture Guard Plus®, Nail Fast® and Heritage® are registered trademarks and Vintage™ is a trademark of TAMKO Building Products, Inc.

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05/06



SITE NAVIGATION



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Building

Surcharges



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PRODUCT APPROVAL

Product Type Detail

[Overview](#)
[Product Search](#)
[Organization Search](#)
[Product Application](#)

User: Public User - Not Associated with Organization -

[Need Help ?](#)

Application #: FL1369
 Date Submitted: 12/18/2003
 Product Manufacturer: Danvid Window Company
 Address/Phone/email: 1813 Kelly Blvd.
 Carrollton, TX 75006

Technical Representative: Anthony Jobb
 Technical Representative Address/Phone/email: 1813 Kelly Blvd
 Carrollton, TX 75006
 (972) 416-8140
 tjobb@danvid.com

Category: Windows

Subcategory: Single Hung

Evaluation Method: Certification Mark or Listing

Referenced Standards from the Florida Building Code:	Section	Standard	Year
		AAMA/NWWDA	1997
		101/I.S.2	
		ASTM E-330	1997

Certification Agency: American Architectural
 Manufacturers Association

Quality Assurance Entity:

Validation Entity:

Authorized Signature: Anthony Jobb
 tjobb@danvid.com

Evaluation/Test Reports Uploaded:

Installation Documents Uploaded:

Product Approval Method:

Method 1 Option A

Application Status:

Approved

Date Validated:

12/18/2003

Page:

Page 1 / 1

Go

App/Seq #	Product Model # or Name	Model Description	Limits of Use
1369.3	180	Fin Frame Vinyl 44" x 60", H-R50, DP +50/-50	Per manufacturers installation instructions
1369.2	180	Fin Frame Vinyl 48" x 72", H-R35, DP +35/-35	Per manufacturers installation instructions
1369.1	180	Fin Frame Vinyl, 36" x 72", H-R50, DP +50/-50	Per manufacturers installation instructions
1369.4	2880	Fin Frame 44" x 60", H-R 35, DP +35/-35	Per manufacturers installation instructions
1369.7	300/2300	Fin Frame 48" x 72" Mulled Twin, DP +35/-38	Per manufacturers installation instructions
1369.5	300/2300	Fin Frame 44" x 84" Mulled w/89" x 44" Stacked, H-R35, DP +45/-45	Per manufacturers installation instructions
1369.6	300/2300	Fin Frame 44" X 60", H-R40, DP +40/-40	Per manufacturers installation instructions
1369.8	300/2300	Fin Frame 48" x 72" H-R35, DP +35/-35	Per manufacturers installation instructions
1369.9	500/2500	Fin Frame 44" x 84" H-R40, DP +40/-40	Per manufacturers installation instructions
1369.10	700/2700	Fin Frame Thermal Break 48" x 72", H-R30, DP +30/-30	Per manufacturers installation instructions
1369.11	800/2800	Fin Frame Thermal Break 44" x 84", H-R40, DP +40/-40	Per manufacturers installation instructions
		Fin Fram,e	

1369.12	96	Vinyl 48" x 72", H-R30, DP +30/-30	Per manufacturers installation instructions
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[Next](#)

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DANVID

Windows Doors

A Division of Atrium

1813 Kelly Blvd.
Carrollton, TX 75006
Ph.: 972 416 8140 (Ext. 272/279)
972 416 0844 (Fax)

To: Amanda Company:
Fax: 850-575-0626
From: Tony Jobb Date: 7/1/04
Re: 500/2500 FI # & Test Reports Pages: ☒ Including cover
CC:

☐ Urgent☐ For Review☐ Please Comment☐ Please Reply☐ Please Recycle**Comments:**

The Test report is of our themally broken tilt window. We received waivers allowing us to qualify our 500/2500 under the same test report. The gold AAMA label shows this where it has 500/2500/800/2800 listed for series name. The FL# is 1369 for this product. Please call with any questions.



TEST REPORT

Submitted by: Danvid Window Company 1813 Kelly Boulevard Carrollton, Texas 75006	
Lab Control Number: 08-30016.01	Revised Report Date: April 17, 2003
Customer Identification: Danvid	Customer Contact: Ken Novak 972-416-8140
Test Start Date: August 15, 2002	Test Finish Date: August 23, 2002
Description of Product Type: Partially Thermally Broken Tilt Aluminum Single Hung	
Designation:	H-R40 44 x 84
Specification:	AAMA/NWWDA 101-I.S.2-97
Series/Model:	800 HP / 2800 HP¹
Frame size:	44 3/16" x 84 1/4"
Sash size:	42 5/8" x 30 3/8"
Configuration of Test Item:	0/X
Location Where Tests Were Performed: Mavrick Laboratories in Fort Worth, TX	

PRODUCT DESCRIPTION

Weatherstripping: Two rows of pile with fin .210" high at each sash stile. One row of pile with fin .210" high at the sash top rail. One row of vinyl bulb 3/8" diameter at the sash bottom rail full width of the sash.

Hardware: One sweep lock located 6" on center from each end of the sash top rail. The locks engage a slot in the fixed meeting rail. The locks are secured by two #8 x 1/4" metal screws. An aluminum sash stop is located at the top of each jamb. A spiral balance is located in each jamb and secured to the frame and sash stop with one #8 x 1/4" hex head screw. One plastic sash guide at the top and bottom of each sash stile. One metal tilt pin at each end of the sash bottom rail. One plastic tilt latch at each end of the sash top rail.

Glass: Sealed insulated glass with two pieces of double strength annealed and 3/8" aluminum spacer. 5/8" overall thickness.

Glazing: Exterior glazed with bedding compound and a snap-in vinyl glazing bead at the exterior.

Weep Arrangement: Exterior leg of the sill notched to give a 2" opening at each end. The sill intermediate leg notched to give a 1 1/4" opening. One 1/4" diameter hole located 6" from each end of the sash bottom rail glazing channel. One 1/8" hole located 2 1/2" from each end of the fixed interlock glazing channel.

Sealant: All joints sealed with seam sealer full perimeter.

Other features: Frame corners secured with two #8 x 1" hex head metal screws. Fixed interlock secured by one #8 x 1/4" hex head metal screw. Sash corners secured by one #8 x 3/4" metal screw. A roll-formed aluminum screen with plastic corner keys was installed for water tests. The sash stiles must be notched at the bottom to allow clearance for the vinyl bulb weatherstripping backing. The unit consisted of a thermally broken frame and non-thermally broken sash and fixed interlock.

Installation Features: The window was secured to a #2 pine 2 x 4 buck with #6 x 1 1/2" wood screws through the nailing fin at each corner and on 12" spacing.

TEST RESULTS

Paragraph No.	Test Method	Title of Test	Results Measured	Allowed
2.2.1.6.1	N/A	Operating Force Open Close	29 lbs 10 lbs	30 lbs 30 lbs
2.1.2	ASTM E 283-91	Air Infiltration Test ¹ @1.57 psf	>0.01 cfm/Sq. Ft	.30 cfm/Sq. Ft
2.1.3	ASTM E 547-96	Water resistance @ 2.86 psf Without Screen	No Leakage	No Leakage
2.1.3	ASTM E 547-96	Water resistance @ 2.86 psf With Screen	No Leakage	No Leakage
4.3	ASTM E 547-96	Water resistance @ 6.0 psf Without Screen	No Leakage	No Leakage
4.3	ASTM E 547-96	Water resistance @ 6.0 psf With Screen	No Leakage	No Leakage
2.1.4.2	ASTM E 330-97	Uniform Load Structural ¹ Positive Negative 10 Seconds Duration Permanent Set Positive Permanent Set Negative	60.0 psf 63.0 psf .095" None	60.0 psf 63.0 psf .170" .170"
2.1.8	ASTM F 588-97	Forced Entry Resistance Type A Grade 10 10.1.1 Lock Manipulation 10.2.1.1 Test A1 10.2.1.2 Test A2 10.2.1.3 Test A3 10.2.1.4 Test A4 10.2.1.5 Test A5 10.2.1.7 Test A7 10.2.1.8 Lock Manipulation	No Entry No Entry No Entry No Entry No Entry No Entry No Entry No Entry No Entry	No Entry No Entry No Entry No Entry No Entry No Entry No Entry No Entry No Entry
2.2.1.6.2	ASTM E 987-94	Deglazing Test Top Rail @ 70 lbs. Bottom Rail @ 70 lbs. Left Stile @ 50 lbs. Right Stile @ 50 lbs.	15.9% 7.5% 7.5% 35.0%	100% 100% 100% 100%

CASE NARRATIVE**Narrative including any Deviations or Supplements**

¹ The 2800 HP and 800 HP are identical except for the nailing fin location. The 800 HP was tested.

² The tested specimen exceeds the performance requirements of AAMA/NWWDA 101/I.S.2-97 for air infiltration. The values are reported at the request of the manufacturer.

³ No glass breakage or permanent deformation causing the unit to be inoperable.

Detailed extrusions and assembly drawings indicating measured wall thickness, corner construction, and hardware application are on file and have been compared to the test sample submitted. Test samples will be retained at Mavrick Laboratories, Inc. for a period of four years.

The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specifications. This report does not constitute certification of this product, which may only be granted by the certification program validator.

Results are for the test items submitted only. This report, if reproduced, must be reproduced in its entirety with written permission from Mavrick Laboratories, Inc.



Andy Cost
Laboratory Manager



John H. Waskow
Regional Manager

Attachments:

☒ Section and Part Drawings

☒ Complete Assembly Drawings

☒ Bill of Materials

☐ Window Installation Instructions

FILE No. 689 07/01 '04 16:12 ID: DANVID HUMAN RESOURCE FAX: 9724180844

Florida Building Code Online



The Florida Department of Community Affairs Building Code Information System

SITE NAVIGATION



PRODUCT APPROVAL

Overview Product Section Organization Search Product Application

User: Public User - Not Associated with Organization -

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Application #:

FL1369

Date Submitted:

12/18/2003

Product Manufacturer:

Danvid Window Company

Address/Phone/email:

1813 Kelly Blvd.
Carrollton, TX 75006

Technical Representative:

Anthony Jobb

Technical Representative Address/Phone/email:

1813 Kelly Blvd
Carrollton, TX 75006
(972) 416-8140
tjobb@danvid.com

Category:

Windows

Subcategory:

Single Hung

Evaluation Method:

Certification Mark or Listing

Referenced Standards from the Florida Building Code:

Section	Standard	Year
	AAMA/NWDA	1997
	101/LS.2	
	ASTM E-330	1997

Certification Agency:

American Architectural
Manufacturers Association

Quality Assurance Entity:

Validation Entity:

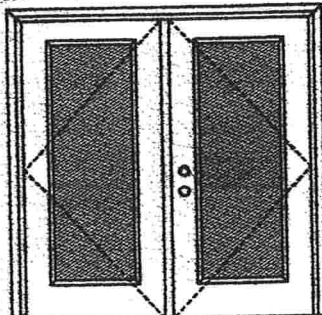
Authorized Signature:

Anthony Jobb
tjobb@danvid.com

Evaluation/Test Reports Uploaded:
Installation Documents Uploaded:

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door
Minimum unit size = 6'0" x 6'8"

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



622 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson
EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

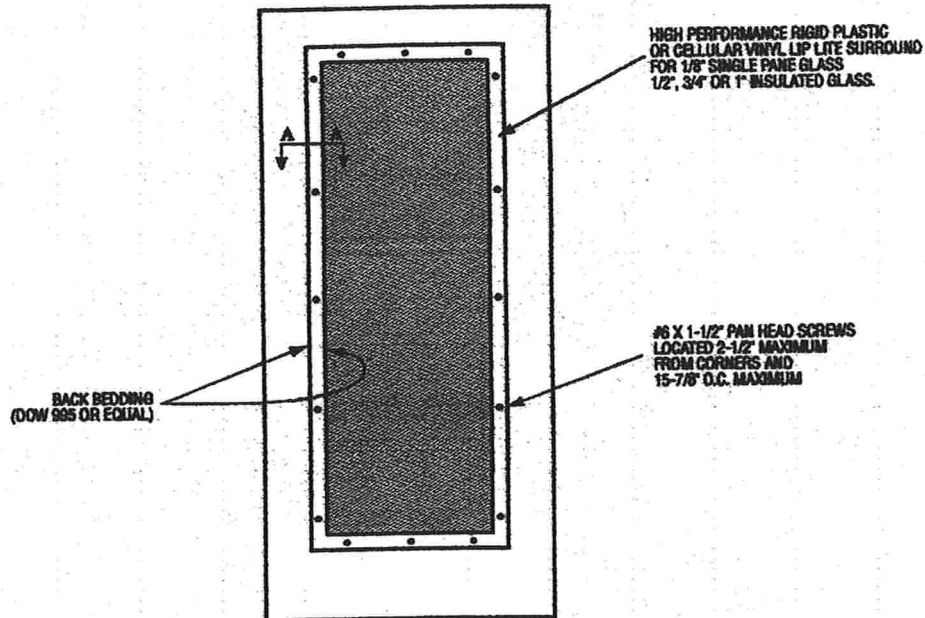
PREMIER Collection
Premium Quality Doors



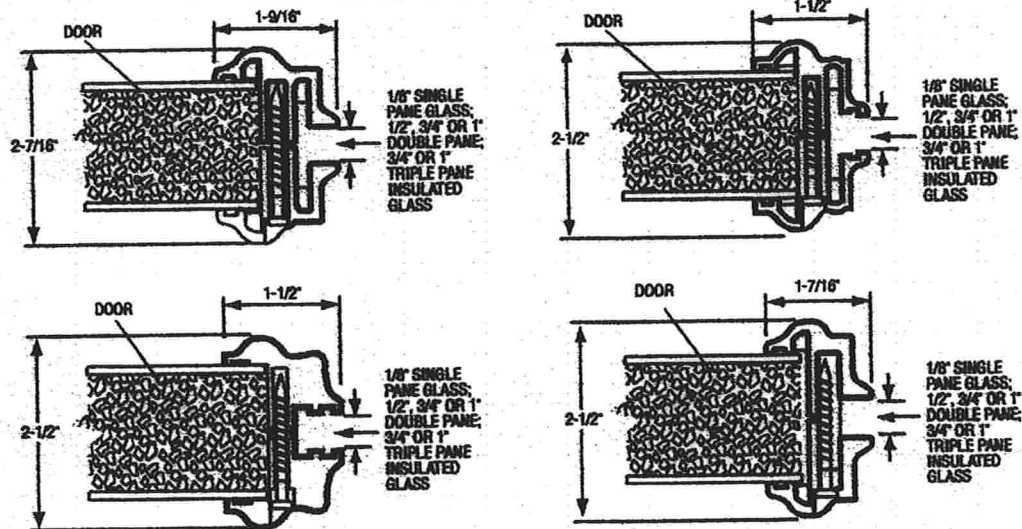
Exclusively from

Masonite
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



XX

Glazed Outswing Unit

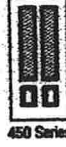
COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:
3/4 GLASS:**

404 Series



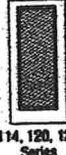
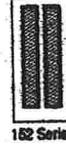
410 Series



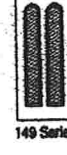
450 Series

FULL GLASS:

100 Series

114, 120, 122
Series

162 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533

Johnson
EntrySystems

March 28, 2002
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PREMIER Collection
Premium Quality Doors



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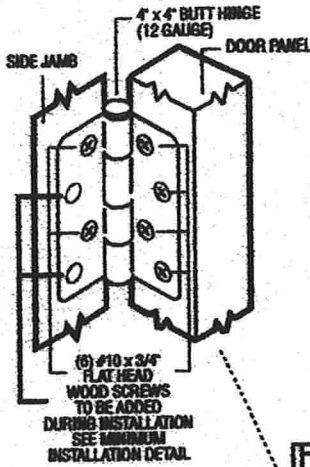
Masonite
Masonite International Corporation

XX
Unit

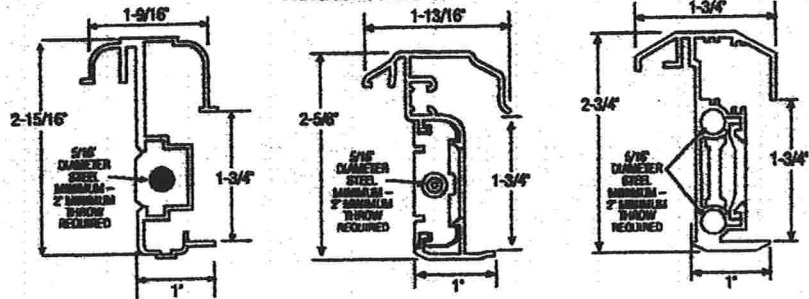
MAD-WL-MA0012-02

OUTSWING UNITS WITH DOUBLE DOOR

TYPICAL HINGE ATTACHMENT

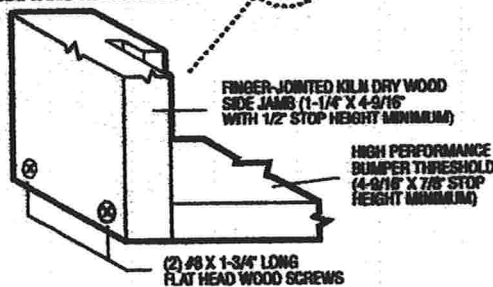


TYPICAL ASTRAGAL PROFILES

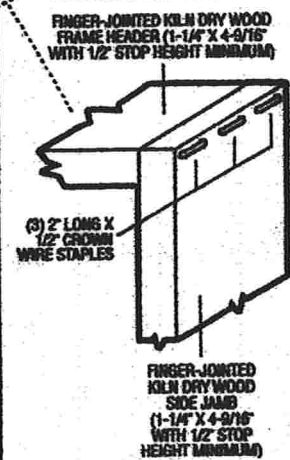


ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDRICAL DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS - LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



TYPICAL HEADER & SIDE JAMB ATTACHMENT



March 29, 2002
Our continuing program of product improvement makes specifications,
design and product detail subject to change without notice.

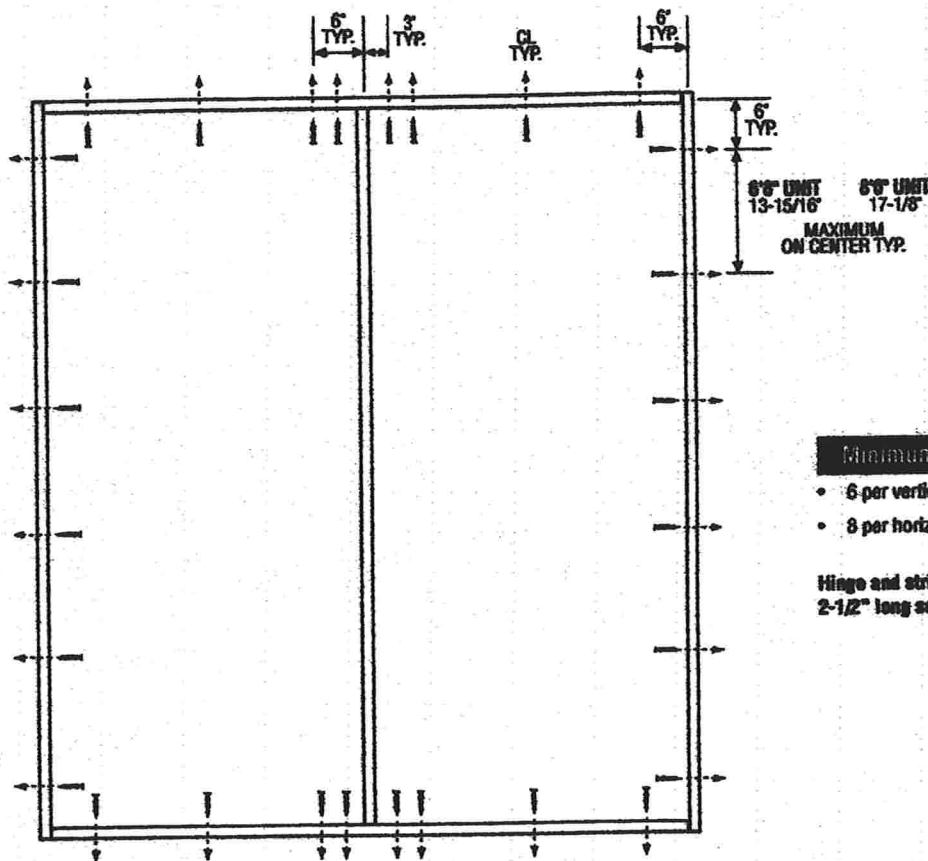
PRENDOR Collection
Premium Quality Doors



Exclusively from

Masonite
Masonite International Corporation

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

Residential System Sizing Calculation

Summary

Roder Residence
SW Kemp CT.
Lake City, FL 32024-

Project Title:
Linda Roder

Code Only
Professional Version
Climate: North

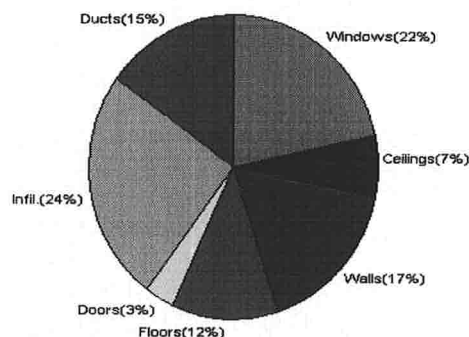
12/17/2007

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	16003 Btuh	Total cooling load calculation	20785 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	93.7 15000	Sensible (SHR = 0.75)	67.3 11250
Heat Pump + Auxiliary(0.0kW)	93.7 15000	Latent	92.1 3750
		Total (Electric Heat Pump)	72.2 15000

WINTER CALCULATIONS

Winter Heating Load (for 900 sqft)

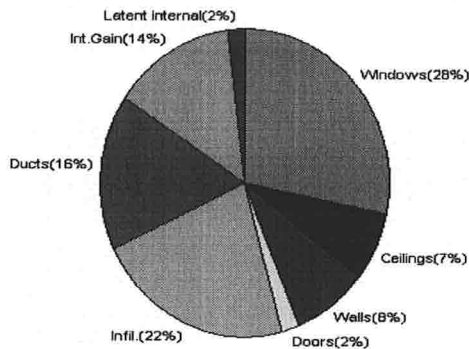
Load component		Load	
Window total	108 sqft	3477	Btuh
Wall total	812 sqft	2667	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	900 sqft	1061	Btuh
Floor total	120 sqft	1962	Btuh
Infiltration	96 cfm	3889	Btuh
Duct loss		2430	Btuh
Subtotal		16003	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		16003	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 900 sqft)

Load component		Load	
Window total	108 sqft	5893	Btuh
Wall total	812 sqft	1694	Btuh
Door total	40 sqft	392	Btuh
Ceiling total	900 sqft	1490	Btuh
Floor total		0	Btuh
Infiltration	84 cfm	1563	Btuh
Internal gain		2860	Btuh
Duct gain		2820	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		16712	Btuh
Latent gain(ducts)		603	Btuh
Latent gain(infiltration)		3070	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		400	Btuh
Total latent gain		4072	Btuh
TOTAL HEAT GAIN		20785	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 12.17.07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Roder Residence
SW Kemp CT.
Lake City, FL 32024-

Project Title:
Linda Roder

Code Only
Professional Version
Climate: North

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

12/17/2007

Component Loads for Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=
1	2, Clear, Metal, 0.87	W	30.0		32.2
2	2, Clear, Metal, 0.87	N	9.0		32.2
3	2, Clear, Metal, 0.87	E	9.0		32.2
4	2, Clear, Metal, 0.87	E	30.0		32.2
5	2, Clear, Metal, 0.87	E	15.0		32.2
6	2, Clear, Metal, 0.87	S	15.0		32.2
	Window Total		108(sqft)		
					Load
1	2, Clear, Metal, 0.87				966 Btuh
2	2, Clear, Metal, 0.87				290 Btuh
3	2, Clear, Metal, 0.87				290 Btuh
4	2, Clear, Metal, 0.87				966 Btuh
5	2, Clear, Metal, 0.87				483 Btuh
6	2, Clear, Metal, 0.87				483 Btuh
	Window Total				3477 Btuh
Walls	Type	R-Value	Area	X	HTM=
1	Frame - Wood - Ext(0.09)	13.0	812		3.3
	Wall Total		812		
					Load
1	Frame - Wood - Ext(0.09)				2667 Btuh
	Wall Total				2667 Btuh
Doors	Type		Area	X	HTM=
1	Insulated - Exterior		20		12.9
2	Insulated - Exterior		20		12.9
	Door Total		40		
					Load
1	Insulated - Exterior				259 Btuh
2	Insulated - Exterior				259 Btuh
	Door Total				518Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=
1	Vented Attic/D/Shin	30.0	900		1.2
	Ceiling Total		900		
					Load
1	Vented Attic/D/Shin				1061 Btuh
	Ceiling Total				1061Btuh
Floors	Type	R-Value	Size	X	HTM=
1	Slab On Grade	5	120.0	ft(p)	16.4
	Floor Total		120		
					Load
1	Slab On Grade				1962 Btuh
	Floor Total				1962 Btuh
					Envelope Subtotal:
					9684 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.80	7200	812	96.0
					3889 Btuh
Ductload				(DLM of 0.179)	
					2430 Btuh
All Zones				Sensible Subtotal All Zones	
					16003 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	16003 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	16003 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Roder Residence
SW Kemp CT.
Lake City, FL 32024-

Project Title:
Linda Roder

Code Only
Professional Version
Climate: North

12/17/2007

EQUIPMENT

1. Electric Heat Pump	#	15000 Btuh
-----------------------	---	------------

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



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Roder Residence
SW Kemp CT.
Lake City, FL 32024-

Project Title:
Linda Roder

Code Only
Professional Version
Climate: North

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

12/17/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	W	30.0		32.2	966 Btuh
2	2, Clear, Metal, 0.87	N	9.0		32.2	290 Btuh
3	2, Clear, Metal, 0.87	E	9.0		32.2	290 Btuh
4	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
5	2, Clear, Metal, 0.87	E	15.0		32.2	483 Btuh
6	2, Clear, Metal, 0.87	S	15.0		32.2	483 Btuh
Window Total			108(sqft)			3477 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	812		3.3	2667 Btuh
Wall Total			812			2667 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			518 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	900		1.2	1061 Btuh
Ceiling Total			900			1061 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	120.0 ft(p)		16.4	1962 Btuh
Floor Total			120			1962 Btuh
Zone Envelope Subtotal:						9684 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	Load
	Natural	0.80	7200	812	96.0	3889 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.179)					2430 Btuh
Zone #1	Sensible Zone Subtotal					16003 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	16003 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	16003 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Roder Residence
SW Kemp CT.
Lake City, FL 32024-

Project Title:
Linda Roder

Code Only
Professional Version
Climate: North

12/17/2007

EQUIPMENT

1. Electric Heat Pump	#	15000 Btuh
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Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Roder Residence
SW Kemp CT.
Lake City, FL 32024-

Project Title:
Linda Roder

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

12/17/2007

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385	Btuh
2	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	9.0	0.0	9.0	29	29	261	Btuh
3	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	9.0	0.0	9.0	29	80	716	Btuh
4	2, Clear, 0.87, None,N,N	E	9.5ft	8ft.	30.0	29.3	0.7	29	80	904	Btuh
5	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	29	80	1193	Btuh
6	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	29	34	434	Btuh
Window Total					108 (sqft)					5893 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load			
1	Frame - Wood - Ext	13.0/0.09		812.0		2.1		1694 Btuh			
Wall Total					812 (sqft)				1694 Btuh		
Doors	Type			Area (sqft)		HTM		Load			
1	Insulated - Exterior			20.0		9.8		196 Btuh			
2	Insulated - Exterior			20.0		9.8		196 Btuh			
Door Total					40 (sqft)				392 Btuh		
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load			
1	Vented Attic/DarkShingle	30.0		900.0		1.7		1490 Btuh			
Ceiling Total					900 (sqft)				1490 Btuh		
Floors	Type	R-Value		Size		HTM		Load			
1	Slab On Grade	5.0		120 (ft(p))		0.0		0 Btuh			
Floor Total					120.0 (sqft)				0 Btuh		
Envelope Subtotal:									9469 Btuh		
Infiltration	Type	ACH		Volume(cuft)		wall area(sqft)		CFM=		Load	
	SensibleNatural	0.70		7200		812		96.0		1563 Btuh	
Internal gain	Occupants		Btuh/occupant		Appliance		Load				
	2		X 230 +		2400		2860 Btuh				
Sensible Envelope Load:									13892 Btuh		
Duct load	(DGM of 0.203)									2820 Btuh	
Sensible Load All Zones									16712 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Roder Residence
SW Kemp CT.
Lake City, FL 32024-

Project Title:
Linda Roder

Code Only
Professional Version
Climate: North

12/17/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	13892 Btuh
	Sensible Duct Load	2820 Btuh
	Total Sensible Zone Loads	16712 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	16712 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3070 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	603 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4072 Btuh
	TOTAL GAIN	20785 Btuh

EQUIPMENT

1. Central Unit	#	15000 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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Roder Residence
SW Kemp CT.
Lake City, FL 32024-

Project Title:
Linda Roder

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

12/17/2007

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385 Btuh
2	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	9.0	0.0	9.0	29	29	261 Btuh
3	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	9.0	0.0	9.0	29	80	716 Btuh
4	2, Clear, 0.87, None,N,N	E	9.5ft	8ft.	30.0	29.3	0.7	29	80	904 Btuh
5	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	29	80	1193 Btuh
6	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	29	34	434 Btuh
Window Total					108 (sqft)					5893 Btuh
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09		812.0		2.1		1694 Btuh		
Wall Total					812 (sqft)				1694 Btuh	
Doors	Type			Area (sqft)		HTM		Load		
1	Insulated - Exterior			20.0		9.8		196 Btuh		
2	Insulated - Exterior			20.0		9.8		196 Btuh		
Door Total					40 (sqft)				392 Btuh	
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0		900.0		1.7		1490 Btuh		
Ceiling Total					900 (sqft)				1490 Btuh	
Floors	Type	R-Value		Size		HTM		Load		
1	Slab On Grade	5.0		120 (ft(p))		0.0		0 Btuh		
Floor Total					120.0 (sqft)				0 Btuh	
Zone Envelope Subtotal:									9469 Btuh	
Infiltration	Type	ACH		Volume(cuft)		wall area(sqft)		CFM=		
SensibleNatural		0.70		7200		812		84.0		
Internal gain	Occupants		Btuh/occupant		Appliance		Load			
		2		X 230 +		2400		2860 Btuh		
Sensible Envelope Load:									13892 Btuh	
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DGM of 0.203)							2820 Btuh		
Sensible Zone Load									16712 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Roder Residence
SW Kemp CT.
Lake City, FL 32024-

Project Title:
Linda Roder

Code Only
Professional Version
Climate: North

12/17/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	13892 Btuh
	Sensible Duct Load	2820 Btuh
	Total Sensible Zone Loads	16712 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	16712 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3070 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	603 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4072 Btuh
	TOTAL GAIN	20785 Btuh

EQUIPMENT

1. Central Unit	#	15000 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)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Roder Residence
SW Kemp CT.
Lake City, FL 32024-

Project Title:
Linda Roder

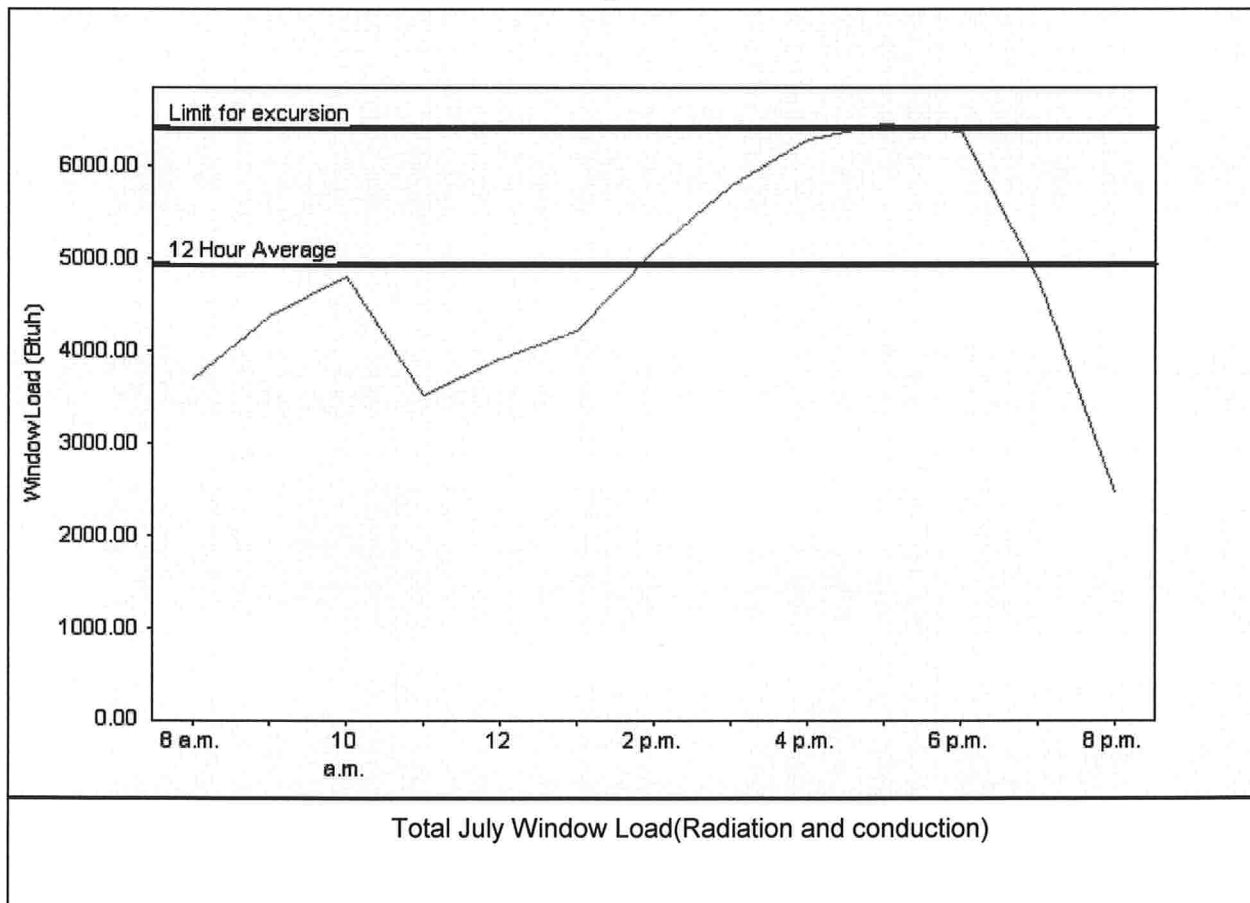
Code Only
Professional Version
Climate: North

12/17/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	4941 Btuh
Summer setpoint	75 F	Peak window load for July	6463 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	6423 Btuh
Latitude	29 North	Window excursion (July)	40 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

PREPARED BY: _____

DATE: _____



Columbia County Building Permit Application

CK#1812

For Office Use Only Application # 0712-59 Date Received 12/19/07 By LT Permit # 26713
Zoning Official BLK Date 27.12.07 Flood Zone X FEMA Map # N/A Zoning A-3
Land Use A-3 Elevation N/A MFE 1st River N/A Plans Examiner OK JTH Date 12-21-07
Comments Accessory Use
☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Fax 752-2282Name Authorized Person Signing Permit Linda or Melanie Roder Phone 752-2281Address 387 SW Kemp Ct Lake City FL 32024Owners Name Linda Roder Phone 752-2281911 Address 389 SW Kemp Ct Lake City FL 32024Contractors Name Ownerbuilder Linda Roder Phone 752-3108Address 387 SW Kemp Ct Lake City FL 32024Fee Simple Owner Name & Address NABonding Co. Name & Address NAArchitect/Engineer Name & Address Will MyersMortgage Lenders Name & Address NACircle the correct power company - FL Power & Light Clay Elec. - Suwannee Valley Elec. - Progress EnergyProperty ID Number 14-55-16-03612-000 Estimated Cost of Construction 30 KSubdivision Name NA Lot _____ Block _____ Unit _____ Phase _____Driving Directions 47 S. (1 mile past Columbia City) L on Cates go
1 mile, turn R at Small tan house with green roof, drive is
between 2 houses, lot is behind tan house 4th lot on right
Number of Existing Dwellings on Property _____Construction of mother-in-law suite Total Acreage 3.23 Lot Size 3.23Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 15'10"Actual Distance of Structure from Property Lines - Front 231' Side 45' Side 286' Rear 267'Number of Stories 1 Heated Floor Area 900 Total Heated Floor Area 900 Roof Pitch 6-12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

left message

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

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

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

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

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

OWNERS AFFIDAVIT: 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.

[Signature]
Owners Signature

Affirmed under penalty of perjury to by the Owner and subscribed before me this 19th day of December 2007.
Personally known ☒ or Produced Identification _____

[Signature]
State of Florida Notary Signature (For the Owner)

SEAL:



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.

[Signature]
Contractor's Signature (Permitee)

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

Affirmed under penalty of perjury to by the Contractor and subscribed before me this ____ day of _____ 20____.
Personally known _____ or Produced Identification _____

State of Florida Notary Signature (For the Contractor)

SEAL:

**COLUMBIA COUNTY BUILDING DEPARTMENT**

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

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

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

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

TYPE OF CONSTRUCTION

- () Single Family Dwelling
 () Two-Family Residence
 () Farm Outbuilding
 (x) Other mother-in-law suite
 () Addition, Alteration, Modification or other Improvement

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

Jonathan M. Handy
 Owner/Builder Signature

 Date

FLORIDA NOTARY

The above signer is personally known to me or produced identification personally known

Notary Signature Jonathan M. Handy Date 12-19-07

**FOR BUILDING DEPARTMENT USE ONLY**

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7). Date _____ Building Official/Representative _____

Inst:2005020332 Date:08/22/2005 Time:11:50

Loc Stamp-Deed : 0.70

DC, P. DeWitt Cason, Columbia County B:1055 P:2235

Recording prepared by:

and when recorded, please return this deed
and tax statements to:

Linda Roder
387 SW Kemp Court
LAKE CITY, FL 32024

Above reserved for official use only

Grantee's SS No:

Property Appraiser's Parcel ID #

GENERAL WARRANTY DEED

Corrective Warranty Deed

KNOW ALL MEN BY THESE PRESENTS THAT:

FOR A VALUABLE CONSIDERATION, in the amount of TEN AND NO/100 DOLLARS (\$10.00) in hand and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned, Bill Becker AKA William Becker ("Grantor"), has GRANTED, SOLD and CONVEYED and by these presents does GRANT, BARGAIN, SELL and CONVEY to Linda Roder ("Grantee"), all right, title, interest and claim to the following real property in the City of LAKE CITY, County of Columbia, State of Florida with the following legal description:

See Attached Exhibit A

Parcel 1 of Parent Parcel #14-55-16-03612-000

TO HAVE AND TO HOLD all of Grantor's right, title and interest in and to the above described property unto the said Grantee, Grantee's heirs, administrators, executors, successors and/or assigns forever IN FEE SIMPLE; so that neither Grantor nor Grantor's heirs, administrators, executors, successors and/or assigns shall have, claim or demand any right or title to the aforesaid property, prernises or appurtenances or any part thereof.

Grantor further WARRANTS and agrees to FOREVER DEFEND all and singular the said property unto the said Grantee, Grantee's heirs, executors, administrators, successors and/or assigns, against every person whomsoever claiming or to claim the same or any part thereof.

EXECUTED this day of August 18, 2005

X *Wm C. Becker*
(Signature of Grantor)

Grantee's Address:

387 SW Kemp Ct.
LAKE City, FL 32024

Grantors Address:

488 SW meadow Terrace
LAKE City FL 32024

Signed in our presence:

Toni A. O'SSO
(Witness Signature)

(Signature)
(Witness Signature)

Print Name: Toni A. O'SSO

Print Name: LINDA G. RUCKER

State of FLORIDA

County of Columbia

(Inst: Date: 08/22/2005 Time: 11:50

) Loc Stamp-Deed : 0.70

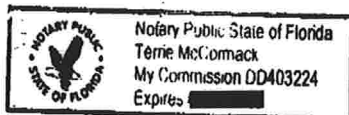
) DC, P. DeWitt Cason, Columbia County B:1055 P:2236

) st

The foregoing instrument was acknowledged before me on August 18, 2005
by William Becker who is/are personally known by me or
who has/have produced: drivers license as identification and who did not take an
oath.

Terrie McCormack
Signature of Notary Public

Terrie McCormack
Printed Name of Notary



My commission expires:

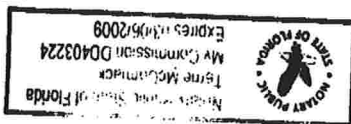


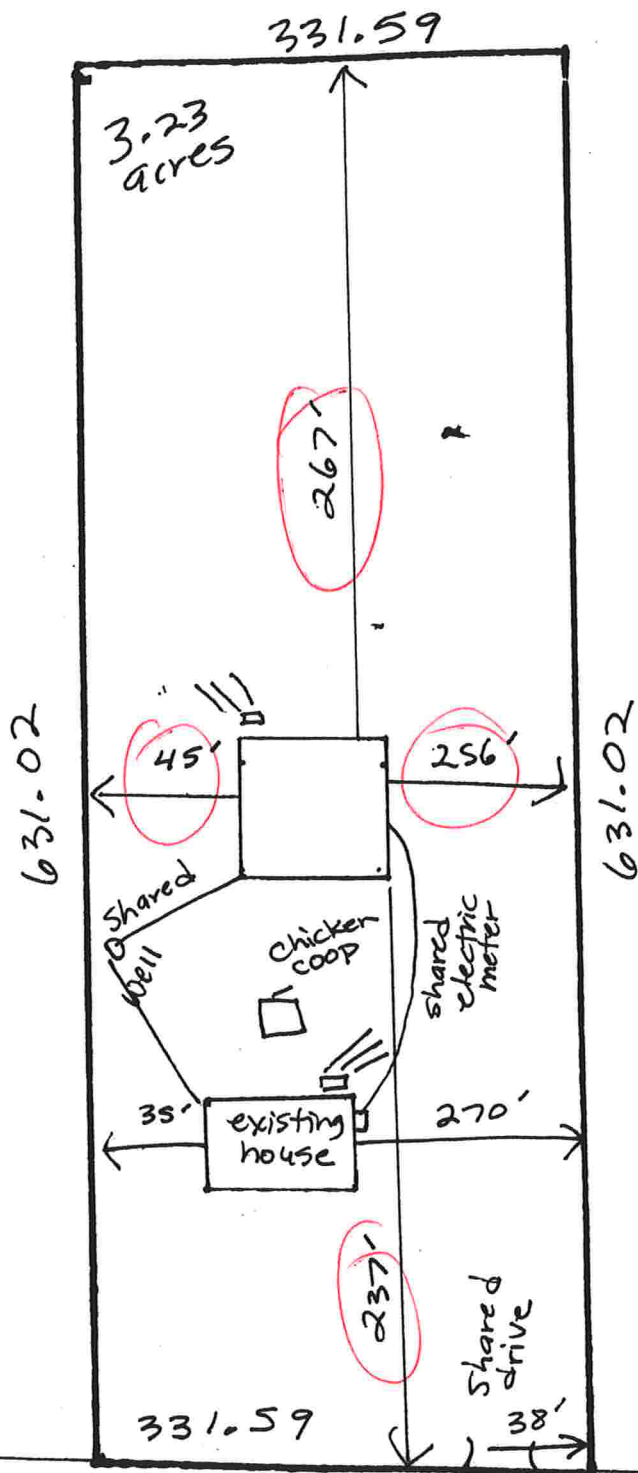
EXHIBIT A

TOWNSHIPS SOUTH, RANGE 16 EAST

Parcel 1 of Parent Parcel

SECTION 14: Commence at the Northeast corner of the NE ¼ Section 14, Township 5 South, Range 16 East, Columbia County, Florida, and run S 88°47'26"W, 1321.65 feet run thence S 0 14'43" W, 990.00 feet for a POINT OF BEGINNING, run thence S 0 14'43" W, 337.20 feet thence S 88°52'41" W, 661.00 feet, run thence N 0 14'43" E, 337.20 feet, run thence N 88 52'41" E, 661.00 feet to the POINT OF BEGINNING, LESS AND EXCEPT 30.00 feet off the West side for road right of way purposes. SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF. _____

Parcel 2
Linda Roder Mother-in-law Suite N
14-55-16-03612-000



existing address
387 SW Kemp Ct

SW Kemp Ct

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Linda Roder**
Address: **SW Kemp CT.**
City, State: **Lake City, FL 32024-**
Owner: **Roder Residence**
Climate Zone: **North**

Builder: **Linda Roder**
Permitting Office: **Columbia**
Permit Number: **26713**
Jurisdiction Number: **221000**

1. New construction or existing New ☐
2. Single family or multi-family Single family ☐
3. Number of units, if multi-family 1 ☐
4. Number of Bedrooms 1 ☐
5. Is this a worst case? No ☐
6. Conditioned floor area (ft²) 900 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area
(or Single or Double DEFAULT) 7a. (Dble Default) 108.0 ft² ☐
 - b. SHGC:
(or Clear or Tint DEFAULT) 7b. (Clear) 108.0 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=5.0, 120.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 812.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 900.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 25.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 15.0 kBtu/hr ☐
SEER: 13.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 15.0 kBtu/hr ☐
HSPF: 7.70 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 40.0 gallons ☐
EF: 0.92 ☐
 - b. N/A ☐
 - c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) ☐
15. HVAC credits PT, ☐

(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating)

Glass/Floor Area: 0.12

Total as-built points: 9470

Total base points: 11258

PASS

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

PREPARED BY: 

DATE: 12.17.07

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

OWNER/AGENT: 

DATE: 12-18-07

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: _____

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: SW Kemp CT., Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X SPM X SOF = Points							
.18	900.0	18.59	3012.0	1.Double, Clear	W	1.5	8.0	30.0	38.52	0.96	1107.0
				2.Double, Clear	N	1.5	8.0	9.0	19.20	0.97	167.0
				3.Double, Clear	E	1.5	8.0	9.0	42.06	0.96	362.0
				4.Double, Clear	E	9.5	8.0	30.0	42.06	0.47	594.0
				5.Double, Clear	E	1.5	8.0	15.0	42.06	0.96	604.0
				6.Double, Clear	S	1.5	8.0	15.0	35.87	0.92	496.0
				As-Built Total:				108.0		3330.0	
WALL TYPES Area X BSPM = Points				Type		R-Value		Area X SPM = Points			
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior		13.0		812.0	1.50		1218.0
Exterior	812.0	1.70	1380.4								
Base Total:		812.0	1380.4	As-Built Total:				812.0			1218.0
DOOR TYPES Area X BSPM = Points				Type		Area X SPM = Points					
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				20.0	4.10		82.0
Exterior	40.0	6.10	244.0	2.Exterior Insulated				20.0	4.10		82.0
Base Total:		40.0	244.0	As-Built Total:				40.0			164.0
CEILING TYPES Area X BSPM = Points				Type		R-Value		Area X SPM X SCM = Points			
Under Attic	900.0	1.73	1557.0	1. Under Attic		30.0		900.0	1.73 X 1.00		1557.0
Base Total:		900.0	1557.0	As-Built Total:				900.0			1557.0
FLOOR TYPES Area X BSPM = Points				Type		R-Value		Area X SPM = Points			
Slab	120.0(p)	-37.0	-4440.0	1. Slab-On-Grade Edge Insulation		5.0		120.0(p)	-36.20		-4344.0
Raised	0.0	0.00	0.0								
Base Total:			-4440.0	As-Built Total:				120.0			-4344.0
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
				900.0 10.21 9189.0							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: SW Kemp CT., Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT									
Summer Base Points: 10942.4				Summer As-Built Points: 11114.0									
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Cooling Points
10942.4		0.3250	3556.3	(sys 1: Central Unit 15000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 11114 1.00 (1.09 x 1.147 x 0.91) 0.260 0.950 3123.2 11114.0 1.00 1.138 0.260 0.950 3123.2									

(sys 1: Central Unit 15000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Kemp CT., Lake City, FL, 32024-**

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X WPM X WOF = Points							
.18	900.0	20.17	3268.0	1.Double, Clear	W	1.5	8.0	30.0	20.73	1.01	628.0
				2.Double, Clear	N	1.5	8.0	9.0	24.58	1.00	221.0
				3.Double, Clear	E	1.5	8.0	9.0	18.79	1.02	172.0
				4.Double, Clear	E	9.5	8.0	30.0	18.79	1.34	753.0
				5.Double, Clear	E	1.5	8.0	15.0	18.79	1.02	287.0
				6.Double, Clear	S	1.5	8.0	15.0	13.30	1.04	207.0
				As-Built Total: 108.0 2268.0							
WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior			13.0	812.0	3.40		2760.8
Exterior	812.0	3.70	3004.4								
Base Total: 812.0 3004.4				As-Built Total: 812.0 2760.8							
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				20.0	8.40		168.0
Exterior	40.0	12.30	492.0	2.Exterior Insulated				20.0	8.40		168.0
Base Total: 40.0 492.0				As-Built Total: 40.0 336.0							
CEILING TYPES Area X BWPM = Points				Type R-Value Area X WPM X WCM = Points							
Under Attic	900.0	2.05	1845.0	1. Under Attic			30.0	900.0	2.05 X 1.00		1845.0
Base Total: 900.0 1845.0				As-Built Total: 900.0 1845.0							
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Slab	120.0(p)	8.9	1068.0	1. Slab-On-Grade Edge Insulation			5.0	120.0(p)	7.60		912.0
Raised	0.0	0.00	0.0								
Base Total: 1068.0				As-Built Total: 120.0 912.0							
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
900.0 -0.59 -531.0				900.0 -0.59 -531.0							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Kemp CT., Lake City, FL, 32024-**

PERMIT #:

BASE			AS-BUILT					
Winter Base Points: 9146.4			Winter As-Built Points: 7590.8					
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
9146.4	0.5540	5067.1	(sys 1: Electric Heat Pump 15000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Int(AH),R6.0 7590.8 1.000 (1.069 x 1.169 x 0.93) 0.443 0.950 3711.5 7590.8 1.00 1.162 0.443 0.950 3711.5					

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**ADDRESS: **SW Kemp CT., Lake City, FL, 32024-**

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank X	Multiplier X Credit = Total
Number of	X	Multiplier	=	Total	Volume	Bedrooms		Ratio	Multiplier
Bedrooms									
1		2635.00		2635.0	40.0	0.92	1	1.00	2635.00 1.00 2635.0
					As-Built Total:				2635.0

CODE COMPLIANCE STATUS

BASE							AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
3556		5067		2635		11258	3123		3712		2635		9470

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: SW Kemp CT., Lake City, FL, 32024-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.4

The higher the score, the more efficient the home.

Roder Residence, SW Kemp CT., Lake City, FL, 32024-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 15.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	1	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	900 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area	___	a. Electric Heat Pump	Cap: 15.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 108.0 ft ²	___		HSPF: 7.70
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 108.0 ft ²	___	c. N/A	___
8. Floor types		___	14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=5.0, 120.0(p) ft	___	a. Electric Resistance	Cap: 40.0 gallons
b. N/A	___	___		EF: 0.92
c. N/A	___	___	b. N/A	___
9. Wall types		___	c. Conservation credits	___
a. Frame, Wood, Exterior	R=13.0, 812.0 ft ²	___	(HR-Heat recovery, Solar	
b. N/A	___	___	DHP-Dedicated heat pump)	PT, ___
c. N/A	___	___	15. HVAC credits	
d. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A	___	___	HF-Whole house fan,	
10. Ceiling types		___	PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 900.0 ft ²	___	MZ-C-Multizone cooling,	
b. N/A	___	___	MZ-H-Multizone heating)	
c. N/A	___	___		
11. Ducts		___		
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 25.0 ft	___		
b. N/A	___	___		

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: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) 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 www.fsec.ucf.edu 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.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.5.2)

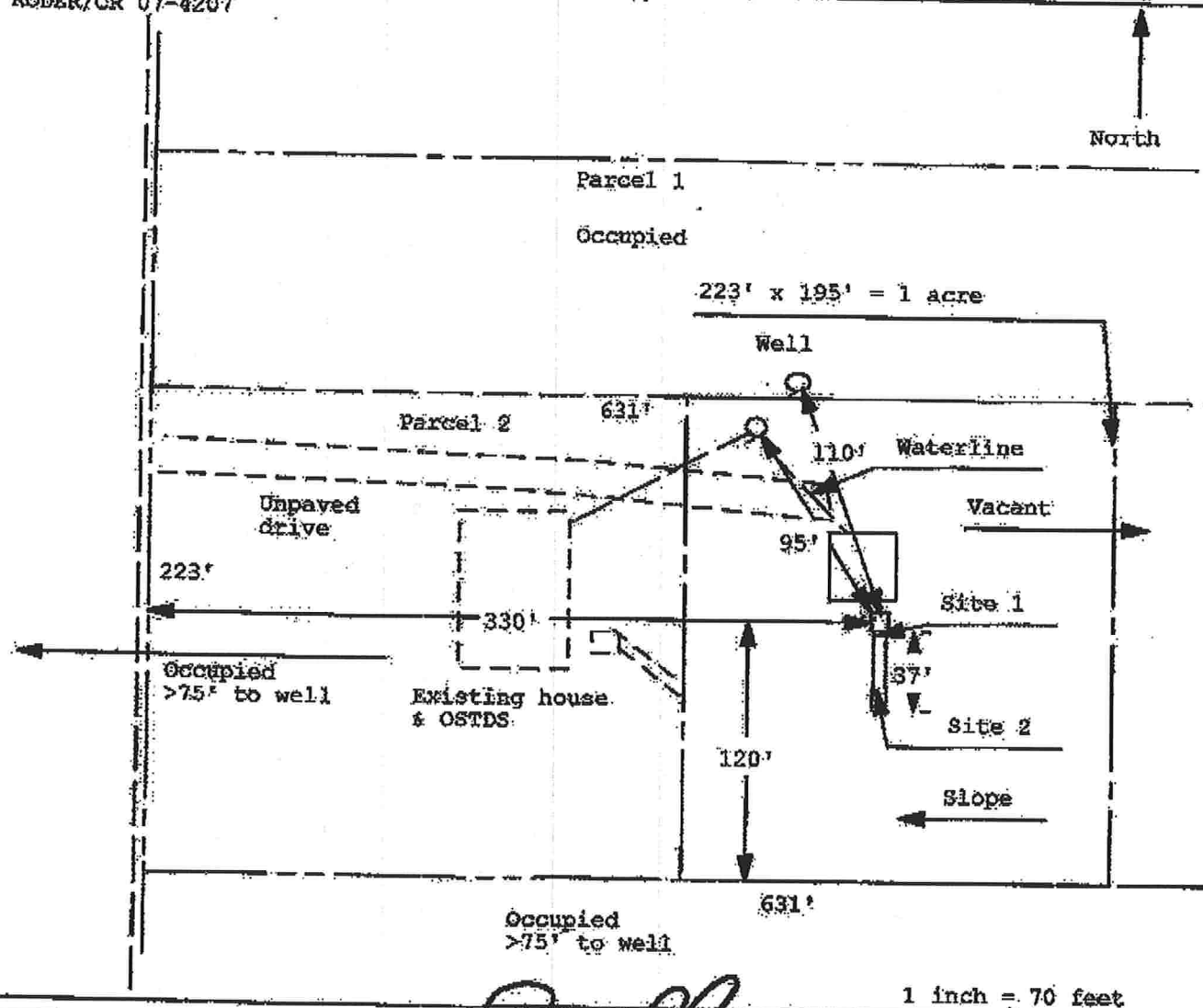
0712-59

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 08-0018

Permit Application Number: 08-0018

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

RODER/CR 07-4207



Site Plan Submitted By Val Felt Date 12/21/07
Plan Approved _____ Not Approved _____ Date _____
By _____ CPHU

Notes:

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 14-55-16-03612-000

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

1. Description of property (legal description):

a) Street (Job) Address: 389 SW Kemp at Lake City FL 32024

2. General description of improvements: Single family dwelling

3. Owner Information

a) Name and address: Linda Roder 387 SW Kemp at Lake City FL 32024

b) Name and address of fee simple titleholder (if other than owner)

c) Interest in property

4. Contractor Information

a) Name and address: owner-builder Linda Roder

b) Telephone No.: 386-752-3108

Fax No. (Opt.)

5. Surety Information

a) Name and address: NA

b) Amount of Bond: NA

c) Telephone No.

Inst 200812001361 Date: 1/23/2008 Time: 10:43 AM

DC, P. DeWitt Cason, Columbia County Page 1 of 1

6. Lender

a) Name and address: NA

b) Phone No.

7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:

a) Name and address:

b) Telephone No.:

Fax No. (Opt.)

8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b). Florida Statutes:

a) Name and address:

b) Telephone No.:

Fax No. (Opt.)

9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified):

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART 1, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

Linda Roder
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager

Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 23rd day of January, 2008, by:

Barbara C Webster as Notary

(type of authority, e.g. officer, trustee, attorney)

fact) for Linda Roder (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification _____ Type _____

Notary Signature Barbara C Webster

Notary Stamp or Seal:



Barbara C. Webster
Commission # DD329279
Expires July 2, 2008
Bonded Troy Pain - Insurance, Inc. 800-486-7019

—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Return to:
Linda Roder
387 SW Kemp at
1 1/2 MI FL 32024

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

26713

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: P.O. Box 1795 City Lake City State FL Zip 32909
Company Business License No. JB108476 Company Phone No. 352-785-3611 • 352-494-6701
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Kenny Roden Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 349 S.W. Kemp St. Lake City, FL 32909

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside _____ Inside _____ Type of Fill _____

Section 4: Treatment Information

Date(s) of Treatment(s) 3.3.04
Brand Name of Product(s) Used B-Terminator
EPA Registration No. 53443-199
Approximate Final Mix Solution % 0.04
Approximate Size of Treatment Area: Sq. ft. 1004 Linear ft. _____ Linear ft. of Masonry Voids _____
Approximate Total Gallons of Solution Applied 100
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments Treated 30x30 & 8x13 mono slabs

Name of Applicator(s) Steve Brannon Certification No. (if required by State law) JB108476

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature [Signature] Date 3-3-04

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

permit # 26713



Cal-Tech Testing, Inc.

• Engineering
• Geotechnical
• Environmental
Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
4784 Rosselle St., Jacksonville, FL 32254 • Tel(904)381-8901 • Fax(904)381-8902
2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 08-00129
DATE TESTED: 2/22/08
DATE REPORTED: 2/26/08

PROJECT:	Roder Residence, Lake City, FL	
CLIENT:	Kenny Roder, 387 SW Kemp Court, Lake City, FL 32024	
GENERAL CONTRACTOR:	Kenny Roder	
EARTHWORK CONTRACTOR:	Kenny Roder	
INSPECTOR:	Robert Edwards	
ASTM METHOD	SOIL USE	
(D-2922) Nuclear	BUILDING FILL	
SPECIFICATION REQUIREMENTS: 95%		

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1	15' East of West End & 13' North of South Edge	12"	121.0	11.2	108.8	2	107.0	102%
2	10' North of South End & 5' West of East Edge	12"	119.1	11.5	106.8	2	107.0	100%
3	6' East of West End & 5' South of North Edge	12"	120.6	11.4	108.3	2	107.0	101%

REMARKS: The Above Tests Meet Specification Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
2	Tan Sand w/Trace of Clay (Register Pit)	107.0	11.2	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda Creamer, CEO, DBE

Linda M. Creamer
President - CEO

Reviewed By:

Yahel H. K.
Date: 2/26/08
Licensed, Florida No: 57842

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

CERTIFICATE OF OCCUPANCY

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 14-5S-16-03612-000

Building permit No. 000026713

Use Classification MOTHER-IN-LAW SUITE

Fire: 0.00

Permit Holder SAME AS APPLICANT

Waste:

Owner of Building LINDA RODER

Total: 0.00

Location: 389 SW KEMP CT., LAKE CITY, FL

Date: 08/11/2008

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Wayne A. Ruse