

DATE 12/21/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023981

APPLICANT JUDITH FOSTER PHONE 754-2810
ADDRESS P.O. BOX 2803 LAKE CITY FL 32056
OWNER EDWARD & JUDITH FOSTER PHONE 754-2810
ADDRESS 470 SE MYRTIS DORTCH TERR LAKE CITY FL 32025
CONTRACTOR OWNER BUILDER PHONE 754-2810
LOCATION OF PROPERTY C-245-S, TL ON WEEKS, TR ON MYRTIS DORTCH, PAST HOME ON
LEFT, NEXT DRIVE ON RIGHT(470 GATE POST)
TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 133450.00
HEATED FLOOR AREA 2669.00 TOTAL AREA 3921.00 HEIGHT 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 10/12 FLOOR SLAB
LAND USE & ZONING A-3 MAX. HEIGHT 29
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 24-4S-17-08720-103 SUBDIVISION AVERY ROBERTS' WEEK UNREC.
LOT C BLOCK PHASE UNIT 0 TOTAL ACRES

000000924
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 05-1263-E BK JH Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 1063

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 \$ 670.00 CERTIFICATION FEE \$ 19.61 SURCHARGE FEE \$ 19.61
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 \$ 25.00 TOTAL FEE 809.22
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."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

Revis

For Office Use Only Application # 0512-01 Date Received 12/1 By JW Permit # 928/234
 Application Approved by - Zoning Official BK Date 02.12.05 Plans Examiner JK 5TH Date 12-5-05
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments 1 MILL LAYOUT FOR THE MAIN ~~NO~~

Applicants Name Edward Foster Phone 386-365-0671
 Address P.O. Box 2803 Lake City, FL 32056
 Owners Name Same Phone —
 911 Address 470 S.E. Myrtis Dortch Terr. Lake City, FL 32025
 Contractors Name owner/Builder Phone —
 Address —
 Fee Simple Owner Name & Address Edward D. + Judith A. Foster P.O. Box 70472 St. Cloud, FL 34777
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address William Myers P.O. Box 1513 Lake City, FL / Nicholas Goister 1758 N.W. Brown Rd. Lake City, FL
 Mortgage Lenders Name & Address N/A
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 24-45-17-08720-103 Estimated Cost of Construction 130,000
 Subdivision Name — Lot — Block — Unit — Phase —
 Driving Directions From Hwy 90 East, turn South on 245 (Price Creek Rd.) to weeks Rd. - turn left to S.E. Myrtis Dortch Terr. - Turn right to 470 which is on the right.
 Type of Construction Frame Number of Existing Dwellings on Property 0
 Total Acreage 10.5 Lot Size — Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 600 Side 170 Side 170 Rear 500
 Total Building Height 29'1" Number of Stories 2 Heated Floor Area 2669 Roof Pitch 10/12 + 12/12
Porches 414 Garage 838 Living 2669 TOTAL 3921

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.

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.

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

Edward D. Foster
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA



Sworn to (or affirmed) and subscribed before me

this 1 day of Dec 2005.

Personally known ✓ or Produced Identification —

Contractor Signature

Contractors License Number —

Competency Card Number —

NOTARY STAMP/SEAL

Crista Thomas

Notary Signature

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Ed & Judy Foster	Builder:	
Address:		Permitting Office:	Columbia
City, State:	Lake City, FL 32025-	Permit Number:	23981
Owner:		Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 41.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	2670 ft²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft²	a. Electric Heat Pump	Cap: 41.0 kBtu/hr
b. Clear - double pane	341.0 ft²		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft²	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 178.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=19.0, 1037.0 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=19.0, 110.0 ft²	DHP-Dedicated heat pump)	
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, 1675.0 ft²	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, 50.0 ft		
b. N/A			

Glass/Floor Area: 0.13	Total as-built points: 26534	PASS
	Total base points: 32199	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.	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.	
PREPARED BY: Will Myers	BUILDING OFFICIAL:	
DATE: 12.1.05	DATE:	
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.		
OWNER/AGENT:		
DATE:		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

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	2670.0	20.04	9631.2	Double, Clear	W	1.5	6.0	45.0	36.99	0.91	1520.2			
				Double, Clear	W	11.5	7.7	40.0	36.99	0.45	663.9			
				Double, Clear	W	11.5	7.7	18.0	36.99	0.45	298.7			
				Double, Clear	SW	1.5	6.0	10.0	38.46	0.89	340.4			
				Double, Clear	NW	1.5	6.0	10.0	25.46	0.93	235.6			
				Double, Clear	N	1.5	6.0	15.0	19.22	0.94	270.6			
				Double, Clear	W	1.5	4.0	6.0	36.99	0.82	181.4			
				Double, Clear	E	1.5	4.0	6.0	40.22	0.82	196.8			
				Double, Clear	E	1.5	6.0	30.0	40.22	0.91	1101.4			
				Double, Clear	E	9.5	6.0	30.0	40.22	0.42	510.3			
				Double, Clear	E	9.5	7.7	22.0	40.22	0.46	411.0			
				Double, Clear	S	1.5	2.0	4.0	34.50	0.57	78.0			
				Double, Clear	S	1.5	6.0	15.0	34.50	0.86	443.1			
				Double, Clear	E	1.5	6.0	30.0	40.22	0.91	1101.4			
				Double, Clear	S	1.5	6.0	12.0	34.50	0.86	354.4			
				Double, Clear	W	1.5	5.0	24.0	36.99	0.88	777.2			
				Double, Clear	N	1.5	5.0	12.0	19.22	0.92	211.2			
				Double, Clear	N	1.5	4.0	12.0	19.22	0.88	203.3			
				As-Built Total:								341.0	8898.9	
				WALL TYPES				Area X BSPM = Points						
				Type	R-Value		Area X SPM		= Points					
Adjacent				110.0	0.70	77.0	Frame, Wood, Exterior	19.0	1037.0	0.90	933.3			
Exterior				1037.0	1.70	1762.9	Frame, Wood, Adjacent	19.0	110.0	0.40	44.0			
Base Total:				1147.0	1839.9	As-Built Total:					1147.0	977.3		
DOOR TYPES				Area X BSPM = Points										
				Type			Area X SPM		= Points					
Adjacent				18.0	2.40	43.2	Adjacent Insulated	18.0	1.60	28.8				
Exterior				20.0	6.10	122.0	Exterior Insulated	20.0	4.10	82.0				
Base Total:				38.0	165.2	As-Built Total:					38.0	110.8		
CEILING TYPES				Area X BSPM = Points										
				Type	R-Value		Area X SPM X SCM		= Points					
Under Attic				1675.0	1.73	2897.8	Under Attic	30.0	1675.0	1.73 X 1.00	2897.8			
Base Total:				1675.0	2897.8	As-Built Total:					1675.0	2897.8		

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES	Area	X	BSPM = Points	Type	R-Value	Area	X	SPM = Points
Slab	178.0(p)	-37.0	-6586.0	Slab-On-Grade Edge Insulation	0.0	178.0(p)	-41.20	-7333.6
Raised	0.0	0.00	0.0					
Base Total:			-6586.0	As-Built Total:			178.0	-7333.6
INFILTRATION								
	Area	X	BSPM = Points			Area	X	SPM = Points
	2670.0	10.21	27260.7			2670.0	10.21	27260.7
Summer Base Points: 35208.8				Summer As-Built Points: 32811.9				
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier X System Multiplier X Credit Multiplier = Cooling Points
						(DM x DSM x AHU)		
35208.8	0.4266		15020.1	32811.9	1.000	(1.090 x 1.147 x 0.91)	0.310	11582.6
					1.00	1.138	0.310	1.000 11582.6

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

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	2670.0	12.74	6122.8	Double, Clear	W	1.5	6.0	45.0	10.77	1.02	495.8			
				Double, Clear	W	11.5	7.7	40.0	10.77	1.20	518.6			
				Double, Clear	W	11.5	7.7	18.0	10.77	1.20	233.4			
				Double, Clear	SW	1.5	6.0	10.0	7.17	1.06	76.0			
				Double, Clear	NW	1.5	6.0	10.0	14.03	1.00	140.7			
				Double, Clear	N	1.5	6.0	15.0	14.30	1.00	215.1			
				Double, Clear	W	1.5	4.0	6.0	10.77	1.05	68.0			
				Double, Clear	E	1.5	4.0	6.0	9.09	1.07	58.6			
				Double, Clear	E	1.5	6.0	30.0	9.09	1.04	282.4			
				Double, Clear	E	9.5	6.0	30.0	9.09	1.40	382.9			
				Double, Clear	E	9.5	7.7	22.0	9.09	1.35	269.2			
				Double, Clear	S	1.5	2.0	4.0	4.03	2.27	36.5			
				Double, Clear	S	1.5	6.0	15.0	4.03	1.12	67.6			
				Double, Clear	E	1.5	6.0	30.0	9.09	1.04	282.4			
				Double, Clear	S	1.5	6.0	12.0	4.03	1.12	54.1			
				Double, Clear	W	1.5	5.0	24.0	10.77	1.03	267.3			
				Double, Clear	N	1.5	5.0	12.0	14.30	1.00	172.3			
				Double, Clear	N	1.5	4.0	12.0	14.30	1.01	172.6			
				As-Built Total:							341.0	3793.5		
				WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points			
Adjacent	110.0	3.60	396.0	Frame, Wood, Exterior	19.0		1037.0	2.20	2281.4					
Exterior	1037.0	3.70	3836.9	Frame, Wood, Adjacent	19.0		110.0	2.20	242.0					
Base Total:				1147.0		4232.9		As-Built Total:				1147.0	2523.4	
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points									
Adjacent	18.0	11.50	207.0	Adjacent Insulated				18.0	8.00	144.0				
Exterior	20.0	12.30	246.0	Exterior Insulated				20.0	8.40	168.0				
Base Total:				38.0		453.0		As-Built Total:				38.0	312.0	
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points							
Under Attic	1675.0	2.05	3433.8	Under Attic	30.0		1675.0	2.05 X 1.00	3433.8					
Base Total:				1675.0		3433.8		As-Built Total:				1675.0	3433.8	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X WPM = Points					
Slab	178.0(p)	8.9	1584.2	Slab-On-Grade Edge Insulation	0.0	178.0(p)	18.80	3346.4			
Raised	0.0	0.00	0.0								
Base Total:			1584.2	As-Built Total:			178.0	3346.4			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
2670.0 -0.59 -1575.3				2670.0 -0.59 -1575.3							
Winter Base Points:			14251.4	Winter As-Built Points:					11833.7		
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points							
				(DM x DSM x AHU)							
14251.4	0.6274	8941.3		11833.7			1.000	(1.069 x 1.169 x 0.93)	0.501	1.000	6896.7
				11833.7	1.00	1.162	0.501	1.000	6896.7		

WATER HEATING & CODE COMPLIANCE STATUS
Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X	Credit = Total Multiplier
3		2746.00	8238.0	40.0	0.90	3		1.00	2684.98	1.00 8054.9
As-Built Total:										8054.9

CODE COMPLIANCE STATUS											
BASE						AS-BUILT					
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating	+	Total
Points		Points		Points		Points	Points		Points		Points
15020		8941		8238		32199	11583		6897		26534

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
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* = 86.1

The higher the score, the more efficient the home.

, , Lake City, FL, 32025-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 41.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	2670 ft ²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft ²	a. Electric Heat Pump	Cap: 41.0 kBtu/hr
b. Clear - double pane	341.0 ft ²		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft ²	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 178.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=19.0, 1037.0 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=19.0, 110.0 ft ²	DHP-Dedicated heat pump)	
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, 1675.0 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, 50.0 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 Energy Gauge Program. Version: FLR1PB v3.22)*

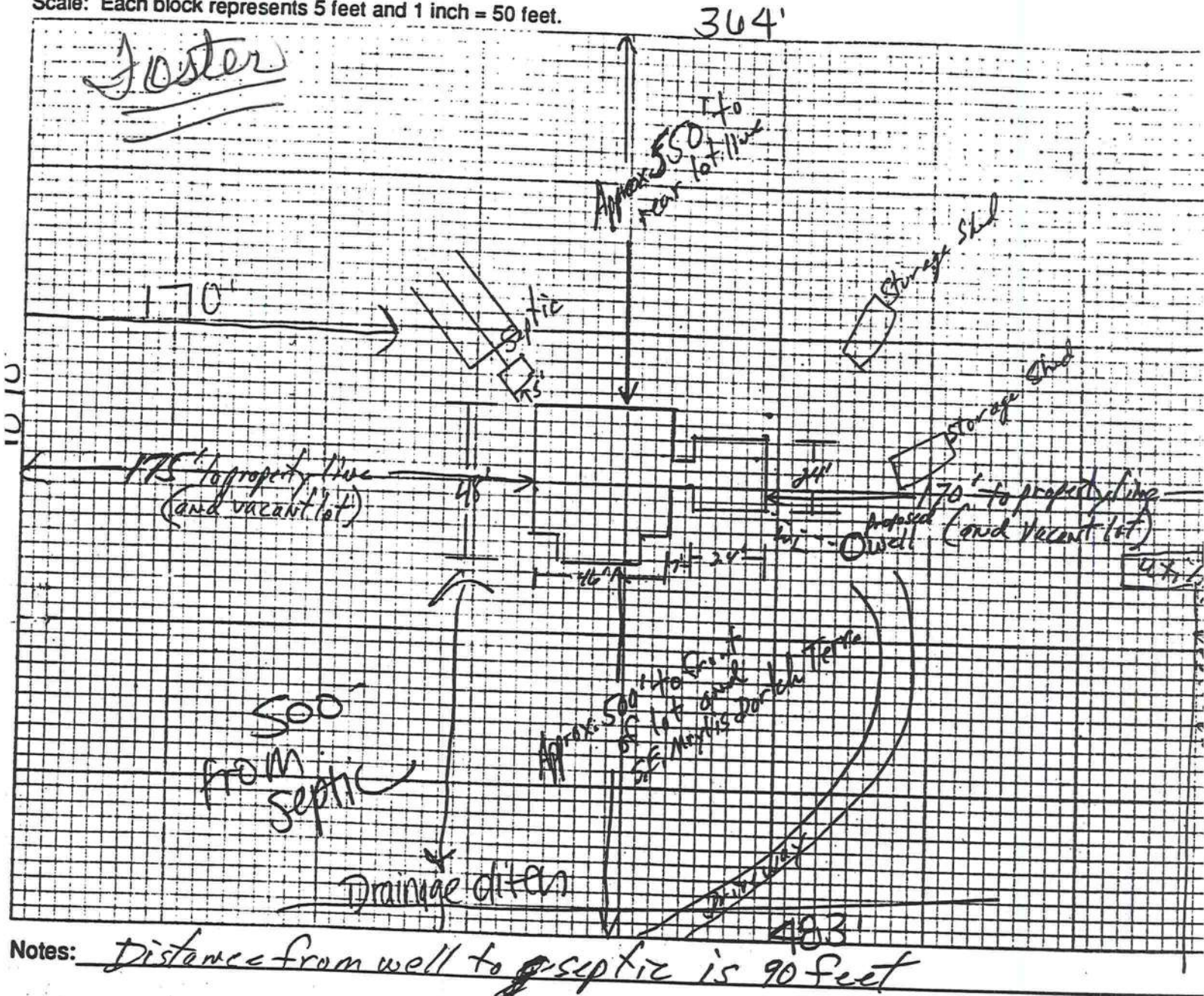


APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 05-1263

PART II - SITE PLAN

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

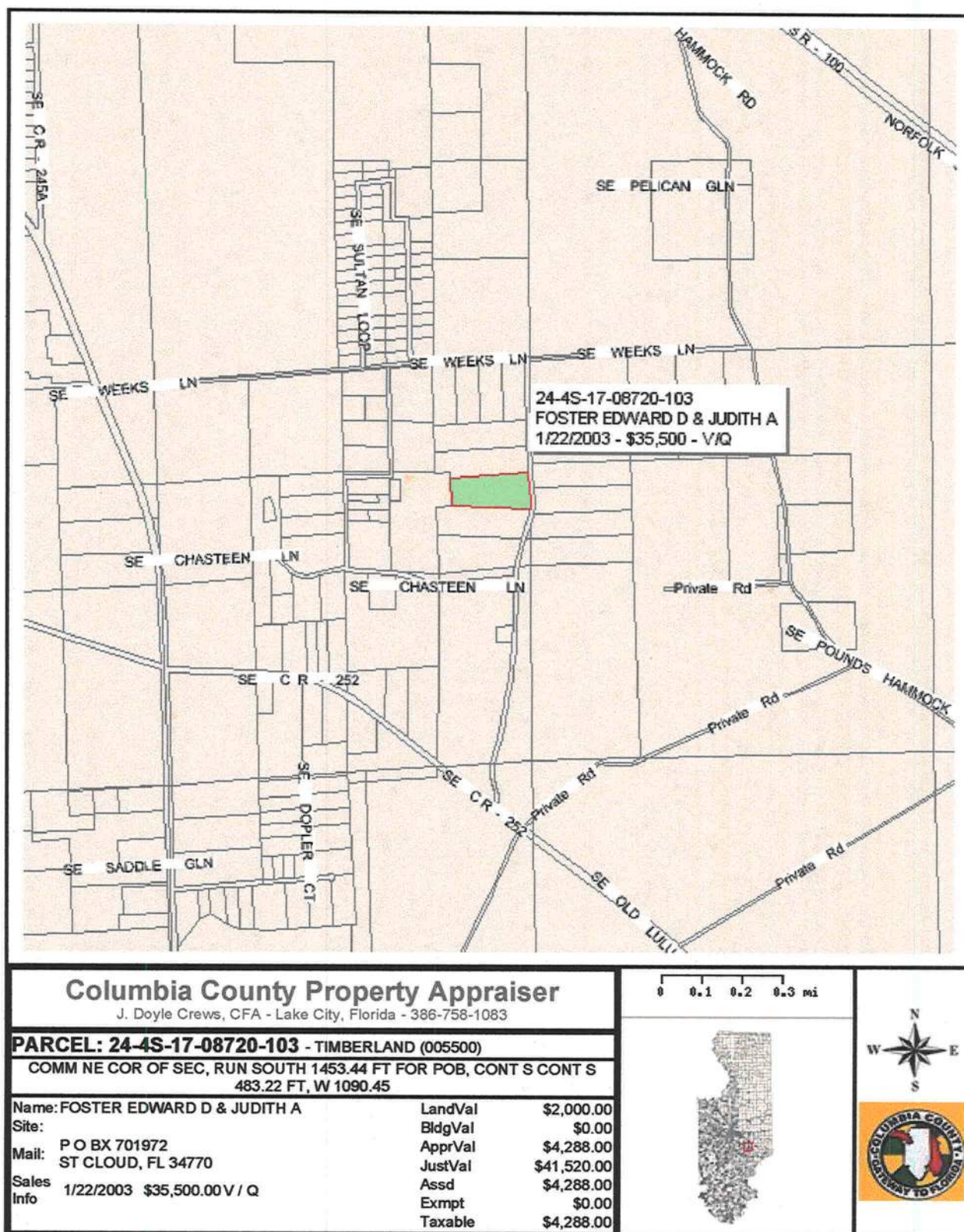


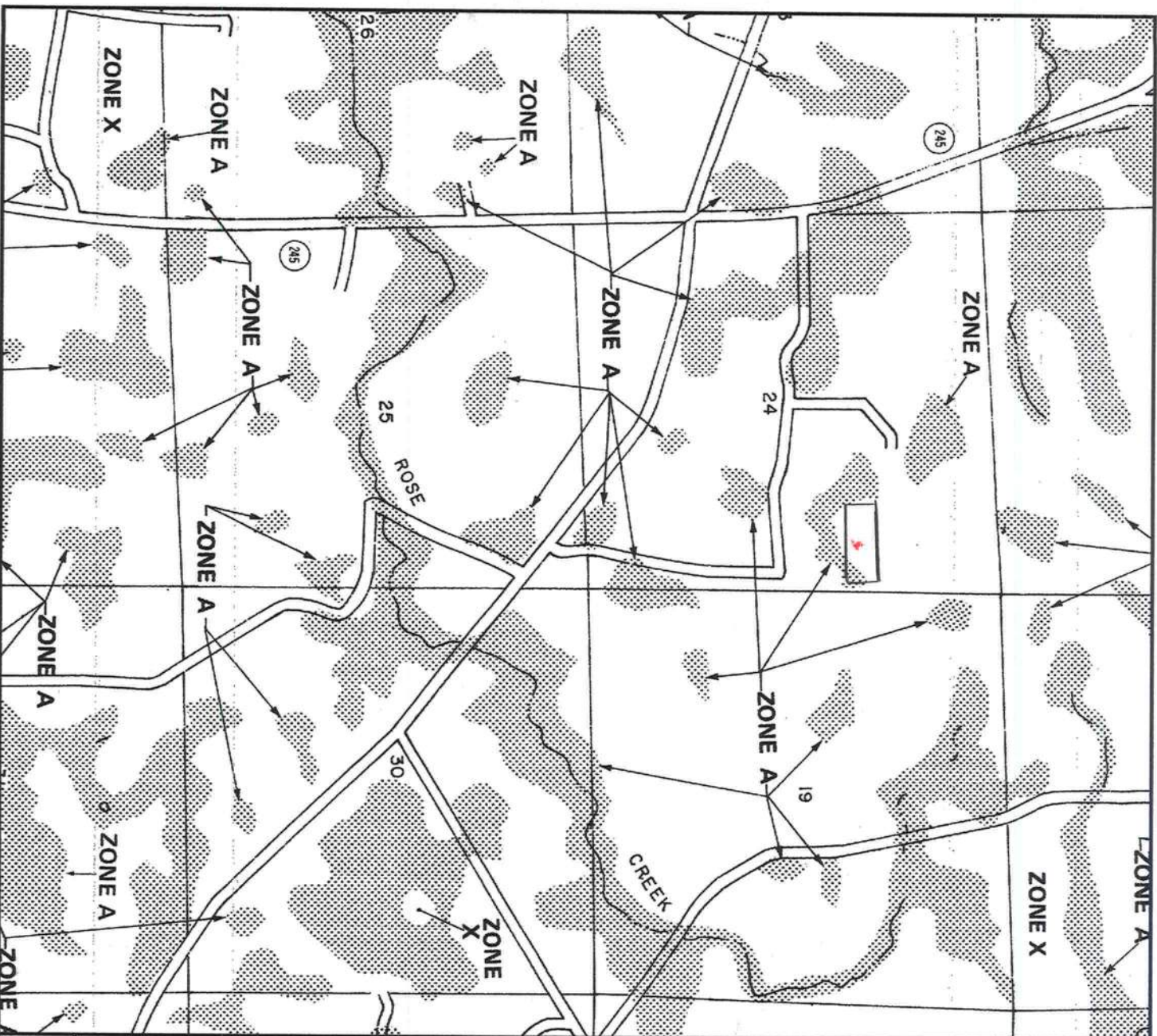
Site Plan submitted by J. Joster Signature 12/20/05 Title owner

Plan Approved By J. J. [Signature] Not Approved 1 Date 12-20-05

Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT





NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 200 OF 300

PANEL LOCATION

COMMUNITY-PANEL NUMBER
120070 0200 B

EFFECTIVE DATE:
JANUARY 6, 1988

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using FIRM Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/nifm

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 \$25,000. 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 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.

TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling
☐ Farm Outbuilding
☐ New Construction

- ☐ Two-Family Residence
☐ Other _____

☐ Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I Edward Foster, 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 _____

E. Foster

Signature

12/01/05

Date

FOR BUILDING 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 12-01-2005 Building Official/Representative

Danico L. L...

Property ID - 24-45-17-08720-103

DE, 248.50

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

File No. 03-31

Property Appraiser's
Parcel Identification No.
Part of Parcel Nos.
19-4S-18-10387-000
24-4S-17-08720-000
24-4S-17-08720-002

Inst: 2003001383 Date: 01/23/2003 Time: 12:46
Doc Stamp-Deed : 248.50
MCK DC, P. DeWitt Cason, Columbia County B: 972 P: 2204

WARRANTY DEED

THIS INDENTURE, made this 22nd day of January 2003, between ROBERTS LAND & TIMBER INVESTMENT CORP., a corporation existing under the laws of the State of Florida, whose post office address is Post Office Box 233, Lake Butler, Florida 32054, and having its principal place of business in the County of Union, State of Florida, party of the first part, and EDWARD D. FOSTER and his wife, JUDITH A. FOSTER, whose post office address is Post Office Box 701972, St. Cloud, Florida 34770, of the County of Osceola, State of Florida, parties of the second part, WITNESSETH: that the said party of the first part, for and in consideration of the sum of Ten Dollars (\$10.00), to it in hand paid, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, remised, released, conveyed and confirmed, and by these presents doth grant, bargain, sell, alien, remise, release, convey and confirm unto the said parties of the second part, and their heirs and assigns forever, all that certain parcel of land lying and being in the County of Columbia and State of Florida, more particularly described as follows:

PARCEL "C"

A parcel of land lying, being and situate partly in the Southwest 1/4 of Northwest 1/4 of Section 19, Township 4 South, Range 18 East, and partly in the Southeast 1/4 of Northeast 1/4 of Section 24, Township 4 South, Range 17 East, Columbia County, Florida, more particularly described as follows:

COMMENCE at the Northeast corner of said Section 24 and run S 00°34'19"E, along the East line of the Northeast 1/4 of Northeast 1/4 of said Section 24, a distance of 1337.49 feet to the Northeast corner of said Southeast 1/4 of Northeast 1/4 of Section 24; thence run S 03°42'45"E, a distance of 115.95 feet to the POINT OF BEGINNING of the hereinafter described parcel of land; thence continue running S 03°42'45"E, a distance of 483.22 feet; thence

run# S 86°17'15"W, a distance of 20.00 feet; thence run N 86°43'11"W, a distance of 1070.45 feet to the Southeast corner of lands described in Official Records Book 608, Page 70, public records of said Columbia County; thence run N 00°24'49"W, along the East line of said lands described in Official Records Book 608, Page 70, a distance of 364.44 feet; thence run N 86°52'38"E, a distance of 1061.57 feet to the POINT OF BEGINNING.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

TOGETHER with all the tenements, hereditaments and appurtenances, with every privilege, right, title, interest and estate, reversion, remainder and easement thereto belong or in anywise appertaining.

TO HAVE AND TO HOLD the same in fee simple forever.

And the said party of the first part doth covenant with said parties of the second part that it is lawfully seized of said premises; that they are free of all encumbrances, and that it has good right and lawful authority to sell the same; and the said party of the first part does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

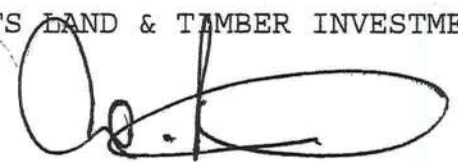
IN WITNESS WHEREOF, the party of the first part has caused these presents to be signed in its name by its President, and its corporate seal to be affixed, the day and year above written.

Signed, sealed and delivered
in our presence:


(First Witness)
Denise C. Howard
Printed Name


(Second Witness)
Linda C. Boles
Printed Name

ROBERTS LAND & TIMBER INVESTMENT
CORP.

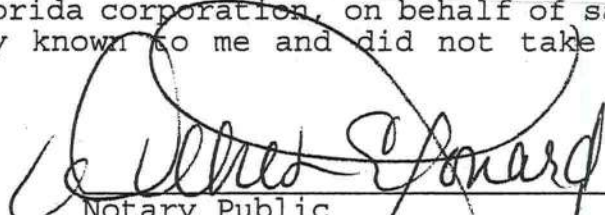
By: 
Avery C. Roberts, President
(CORPORATE SEAL)

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 22nd day of January 2003, by AVERY C. ROBERTS, President of ROBERTS LAND & TIMBER INVESTMENT CORP., a Florida corporation, on behalf of said corporation. He is personally known to me and did not take an oath.



Denise C. Howard
MY COMMISSION # CC809212 EXPIRES
March 8, 2003
BONDED THRU TROY FAIR INSURANCE, INC.


Notary Public
My Commission Expires: 3/8/03

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 2949 * Lake City, FL 32056-2949
PHONE: (386) 752-8787 * FAX: (386) 758-1365 * Email: cc911add@isgroup.net

Addressing Maintenance

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

DATE ISSUED: 6-27-03

ENHANCED 9-1-1 ADDRESS:

470 SE Myrtis Dortch Ter. (Lake City, FL 32025)

Addressed Location 911 Phone Number: N/A

OCCUPANT NAME: Ed Foster.

OCCUPANT CURRENT MAILING ADDRESS: PO Box 2803.
Lake City, FL, 32056.

PROPERTY APPRAISER MAP SHEET NUMBER: 153

PROPERTY APPRAISER PARCEL NUMBER: 24-45-17.

Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

ADDRESSING DEPARTMENT ID#: _____
(Addressing Department Use Only, THIS IS NOT AN ADDRESS)

Remarks: None

Address Issued By: 
Columbia County 9-1-1 Addressing Department

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

Tax Parcel ID Number 24-45-17-08720-103

1. Description of property: (legal description of the property and street address or 911 address)
470 S.E. Myrtle Ditch Terr. Lake City, FL 32025
Parcel "C" - ^{partly} SW 1/4 of NW 1/4 of section 14 Township 4 South Range 18 East and
partly SE 1/4 of NE 1/4 of section 24 Township 4, Range 17 East of Columbia County
2. General description of improvement: Single Family Residence
3. Owner Name & Address Edward D. + Judith A. Foster P.O. Box 2803
Lake City, FL 32056 Interest in Property OWNERS
4. Name & Address of Fee Simple Owner (if other than owner): _____
5. Contractor Name owner/Builder Phone Number _____
Address _____
6. Surety Holders Name N/A Inst:2005029766 Date:12/01/2005 Time:16:03
Address _____ DC,P.DeWitt Cason,Columbia County B:1066 P:1918 -
Amount of Bond _____
7. Lender Name N/A
Address _____
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name _____ Phone Number _____
Address _____
9. In addition to himself/herself the owner designates _____ of
_____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee _____
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording,
(Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Edward D. Foster
Signature of Owner



Sworn to (or affirmed) and subscribed before
day of Dec 1st, 2006

NOTARY STAMP/SEAL

Crista Thomas

Signature of Notary

0512.01

RON E. BIAS WELL DRILLING
RT.2 BOX 5340
FT. WHITE, FLORIDA 32038
(904) 497-1045
MOBILE: 364-9233

TO: Columbia County Building Department

Description of well to be installed for Customer:

Located at Address: Ed Foster
407 SE Myrtle Dorchess

1 hp - 1 1/4" drop over 86 gallon tank, 250 gallon equivalent captive with back flow preventer. 35-gallon draw down with check valve pass requirements.

Ron E. Bias
Ron Bias

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000924**

DATE 12/21/2005 PARCEL ID # 24-4S-17-08720-103
APPLICANT JUDITH FOSTER PHONE 754-2810
ADDRESS P.O. BOX 2803 LAKE CITY FL 32056
OWNER EDWARD & JUDITH FOSTER PHONE 754-2810
ADDRESS 470 SE MYRTIS DORTCH TERR LAKE CITY FL 32025
CONTRACTOR OWNER BUILDER PHONE 754-2810
LOCATION OF PROPERTY C-245-S, TL ON WEEKS, TR ON MYRTIS DORTCH, PAST HOME ON
LEFT, NEXT DRIVE ON RIGHT(470 GATE POST)
SUBDIVISION/LOT/BLOCK/PHASE/UNIT AVERY ROBERTS' WEEK C 0
SIGNATURE 

INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
 - b) the driveway to be served will be paved or formed with concrete.
- Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

☐

Culvert installation shall conform to the approved site plan standards.

☐

Department of Transportation Permit installation approved standards.

☐

Other _____

**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.**

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

Amount Paid 25.00



EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-365-0671

DECEMBER 11, 2006

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX# 386-758-2160

RE: PERMIT #23981 470 S. E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

WE ARE WRITING TO ASK FOR AN TIME EXTENSION TO THE
ABOVE BUILDING PERMIT. WE UNDERSTAND THAT IT WILL BE
FOR 90 DAYS AND THAT IF WE NEED MORE TIME, WE WILL
HAVE TO ASK FOR ANOTHER 90 DAY EXTENSION.
WE HAVE BEEN UNABLE TO CONTINUE FOR THE LAST
SEVERAL MONTH SINCE POURING THE SLAB DUE TO HEALTH
PROBLEMS, BUT EXPECT TO BEGIN WORK AGAIN AND BEGIN
FRAMING WITHIN THE NEXT 30 DAYS.

THANKS FOR YOUR HELP.

BEST REGARDS,

A handwritten signature in black ink, appearing to read "E. Foster", written in a cursive style.

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

MARCH 4, 2016

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

WE ARE ONCE AGAIN WRITING TO ASK FOR A TIME EXTENTION
TO THE ABOVE BUILDING PERMIT.

WE UNDERSTAND THAT THE EXTENTION IS FOR 90 DAYS AND
THAT IF WE NEED MORE TIME WE WILL HAVE TO ASK FOR
ANOTHER 90 DAY EXTERNTION.

AGAIN, THANKS FOR YOUR HELP AND UNDERSTANDING.

BEST REGARDS,

A handwritten signature in blue ink, appearing to read "Ed Foster".

ED AND JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

JUNE 6, 2016

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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BEST REGARDS,

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ED AND JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

MARCH 3, 2017

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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BEST REGARDS,

A handwritten signature in cursive script, appearing to read "Ed Foster", written in dark ink.

ED AND JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

MARCH 5, 2018

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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AGAIN, THANKS FOR YOUR HELP AND UNDERSTANDING.

BEST REGARDS,

A handwritten signature in cursive script, appearing to read "Ed Foster".

ED AND JUDY FOSTER

EDWARD FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-0345

AUGUST 30, 2019

COLUMBIA COUNTY BUILDING DEPT.
BASEMENT-COURTHOUSE ANNEX
135 N.E. HERNANDO AVE.
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

WE ARE ONCE AGAIN WRITING TO ASK FOR A TIME EXTENTION
TO THE ABOVE BUILDING PERMIT.

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AGAIN, THANKS FOR YOUR HELP AND UNDERSTANDING.

BEST REGARDS,

A handwritten signature in blue ink, appearing to read "E. Foster", written in a cursive style.

EDWARD FOSTER

EDWARD FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-0345

DECEMBER 5, 2020

COLUMBIA COUNTY BUILDING DEPT.
BASEMENT-COURTHOUSE ANNEX
135 N.E. HERNANDO AVE.
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

I AM ONCE AGAIN WRITING TO ASK FOR A TIME EXTENTION TO
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90 DAY EXTERNTION.

AGAIN, THANKS FOR YOUR HELP AND UNDERSTANDING.

BEST REGARDS,

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EDWARD FOSTER

EDWARD FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-0345

MARCH 4, 2020

COLUMBIA COUNTY BUILDING DEPT.
BASEMENT-COURTHOUSE ANNEX
135 N.E. HERNANDO AVE.
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

I AM ONCE AGAIN WRITING TO ASK FOR A TIME EXTENTION TO
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AGAIN, THANKS FOR YOUR HELP AND UNDERSTANDING.

BEST REGARDS,

A handwritten signature in cursive script, appearing to read 'E. Foster', written in dark ink.

EDWARD FOSTER

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: ISSO487-Z0202133212

Truss Fabricator: Anderson Truss Company
Job Identification: 5-522-ED & JUDY FOSTER
Truss Count: 6
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.04.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -Closed

Notes:

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

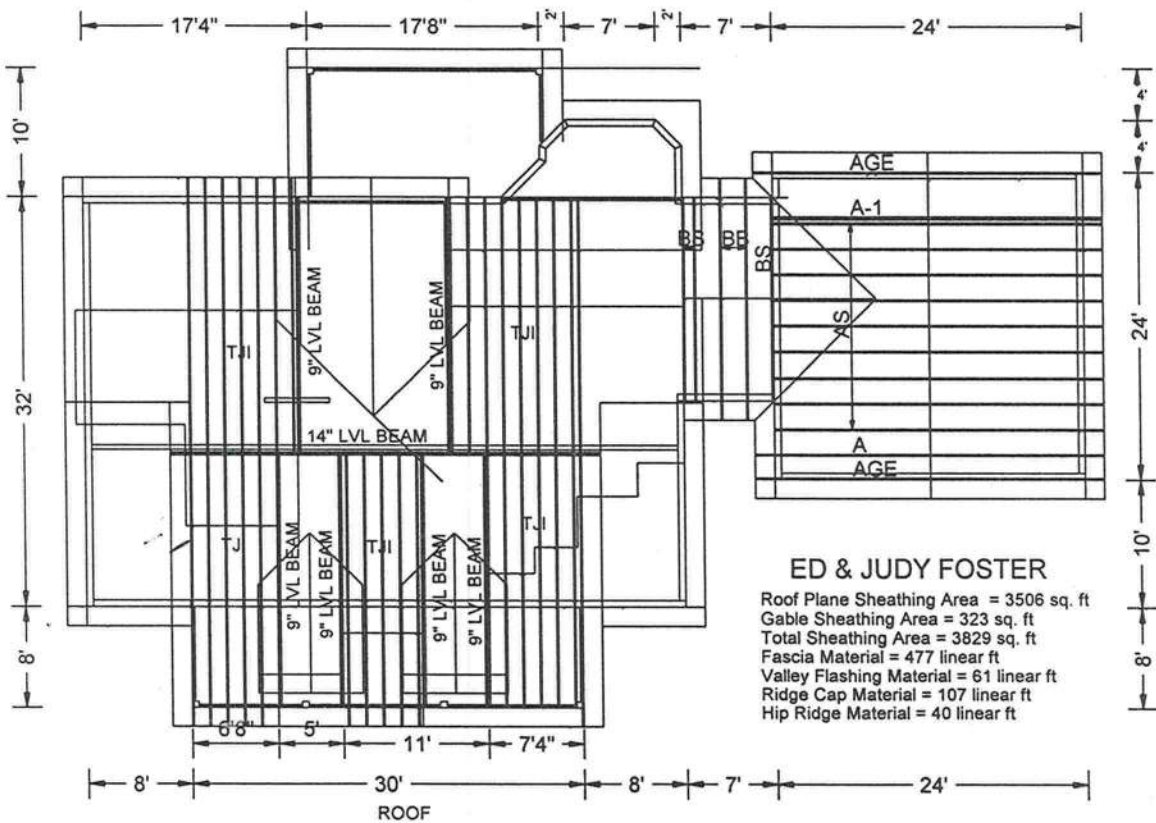
Details: BRCLBSUB-A11015EC-GBLLETIN

#	Ref	Description	Drawing#	Date
1	97583--AS		05336003	12/02/05
2	97584--A		05336001	12/02/05
3	97585--A-1		05336006	12/02/05
4	97586--AGE		05336004	12/02/05
5	97587--BB		05336002	12/02/05
6	97588--BS		05336005	12/02/05

Seal Date: 12/02/2005

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844





407-847-5677

JOB LOCATION:

JOB DESCRIPTION:
ED & JUDY FOSTER

DESIGNED BY:

JOB NO:
5-522

PAGE NO
1 OF 1

Top chord 2x4 SP #2 Dense :T2, I3 2x6 SP #1 Dense:
Bot chord 2x6 SP #2 : B2 2x8 SP SS:
:B3 2x4 SP #2 Dense :
Webs 2x4 SP #3

110 mph wind, 14.78 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

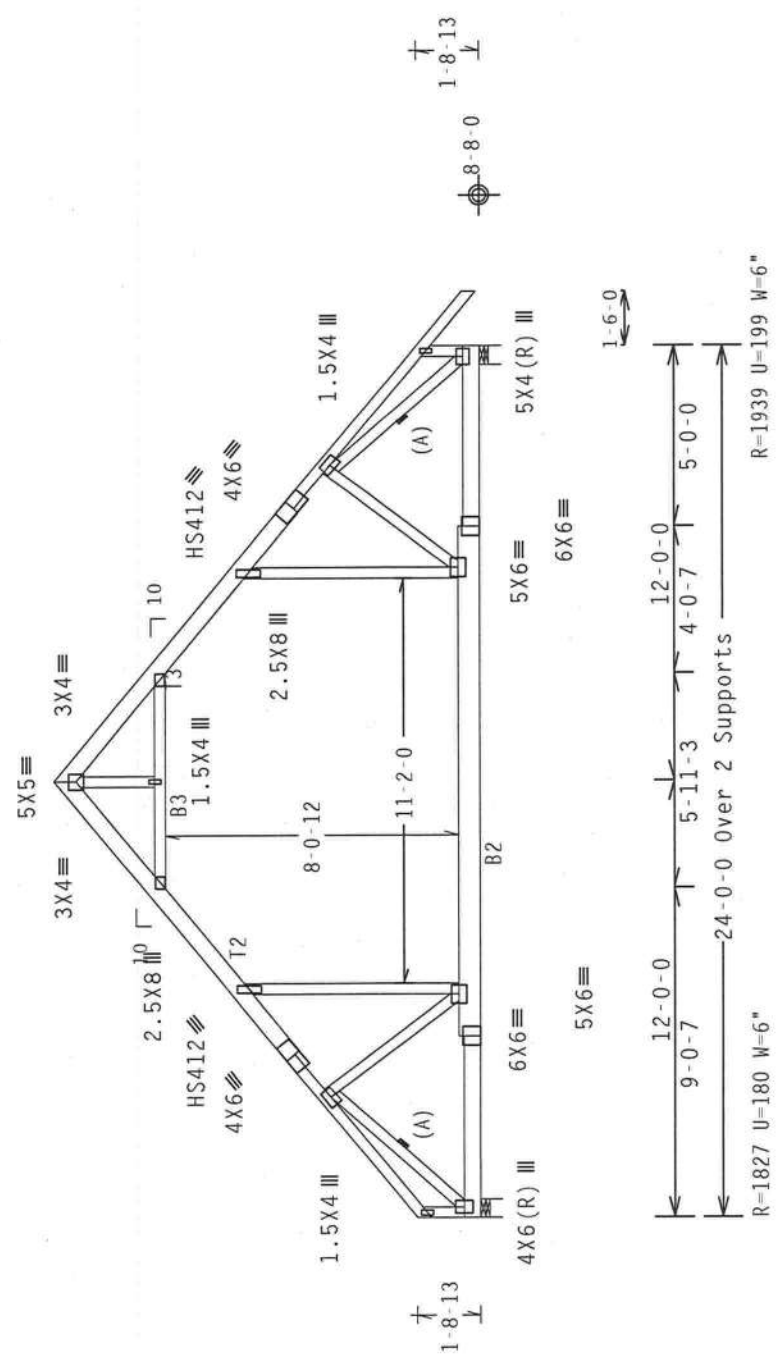
Calculated horizontal deflection is 0.14" due to live load and 0.19" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-5-0 to 17-7-0.

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



Design Crit: TPI-2002(STD)/FBC

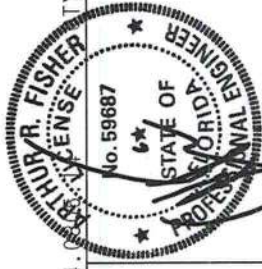
$$Cq/RT=1.00(1.25)/10(0)$$

TY:9 FL/-/3/-/-/R/-

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R487 --	97583
TC DL	10.0	PSF	DATE	12/02/05	
BC DL	10.0	PSF	DRW	HCUSR487	05336003
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	16627	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SS0487	Z02

REF R487-- 97583
DATE 12/02/05
DRW HCUSR487 05336003
HC-ENG JB/AF
SEQN- 16627
JREF- 1SS0487 Z02



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

****WARNING**** THESE REQUIREMENTS EXIST FOR THE FOLLOWING REASONS: SHIPPING, INSTALLING AND BRACING PRODUCTS IN CONFORMANCE WITH THIS DESIGN: ANY FAILURE TO BUILD THE PRODUCTS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF THUSSES, DESIGNER COMPLIANCE WITH APPLICABLE PROVISIONS OF MOS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI-01, PLATES TO EACH FACE OF THUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2, 160AA-2, 160AB-2, 160AC-2, 160AD-2, 160AE-2, 160AF-2, 160AG-2, 160AH-2, 160AI-2, 160AJ-2, 160AK-2, 160AL-2, 160AM-2, 160AN-2, 160AO-2, 160AP-2, 160AQ-2, 160AR-2, 160AS-2, 160AT-2, 160AU-2, 160AV-2, 160AW-2, 160AX-2, 160AY-2, 160AZ-2, 160BA-2, 160BB-2, 160BC-2, 160BD-2, 160BE-2, 160BF-2, 160BG-2, 160BH-2, 160BI-2, 160BJ-2, 160BK-2, 160BL-2, 160BM-2, 160BN-2, 160BO-2, 160BP-2, 160BQ-2, 160BR-2, 160BS-2, 160BT-2, 160BU-2, 160BV-2, 160BW-2, 160BX-2, 160BY-2, 160BZ-2, 160CA-2, 160CB-2, 160CC-2, 160CD-2, 160CE-2, 160CF-2, 160CG-2, 160CH-2, 160CI-2, 160CJ-2, 160CK-2, 160CL-2, 160CM-2, 160CN-2, 160CO-2, 160CP-2, 160CQ-2, 160CR-2, 160CS-2, 160CT-2, 160CU-2, 160CV-2, 160CW-2, 160CX-2, 160CY-2, 160CZ-2, 160DA-2, 160DB-2, 160DC-2, 160DD-2, 160DE-2, 160DF-2, 160DG-2, 160DH-2, 160DI-2, 160DJ-2, 160DK-2, 160DL-2, 160DM-2, 160DN-2, 160DO-2, 160DP-2, 160DQ-2, 160DR-2, 160DS-2, 160DT-2, 160DU-2, 160DV-2, 160DW-2, 160DX-2, 160DY-2, 160DZ-2, 160EA-2, 160EB-2, 160EC-2, 160ED-2, 160EE-2, 160EF-2, 160EG-2, 160EH-2, 160EI-2, 160EJ-2, 160EK-2, 160EL-2, 160EM-2, 160EN-2, 160EO-2, 160EP-2, 160EQ-2, 160ER-2, 160ES-2, 160ET-2, 160EU-2, 160EV-2, 160EW-2, 160EX-2, 160EY-2, 160EZ-2, 160FA-2, 160FB-2, 160FC-2, 160FD-2, 160FE-2, 160FF-2, 160FG-2, 160FH-2, 160FI-2, 160FJ-2, 160FK-2, 160FL-2, 160FM-2, 160FN-2, 160FO-2, 160FP-2, 160FQ-2, 160FR-2, 160FS-2, 160FT-2, 160FU-2, 160FV-2, 160FW-2, 160FX-2, 160FY-2, 160FZ-2, 160GA-2, 160GB-2, 160GC-2, 160GD-2, 160GE-2, 160GF-2, 160GG-2, 160GH-2, 160GI-2, 160GJ-2, 160GK-2, 160GL-2, 160GM-2, 160GN-2, 160GO-2, 160GP-2, 160GQ-2, 160GR-2, 160GS-2, 160GT-2, 160GU-2, 160GV-2, 160GW-2, 160GX-2, 160GY-2, 160GZ-2, 160HA-2, 160HB-2, 160HC-2, 160HD-2, 160HE-2, 160HF-2, 160HG-2, 160HH-2, 160HI-2, 160HJ-2, 160HK-2, 160HL-2, 160HM-2, 160HN-2, 160HO-2, 160HP-2, 160HQ-2, 160HR-2, 160HS-2, 160HT-2, 160HU-2, 160HV-2, 160HW-2, 160HX-2, 160HY-2, 160HZ-2, 160IA-2, 160IB-2, 160IC-2, 160ID-2, 160IE-2, 160IF-2, 160IG-2, 160IH-2, 160II-2, 160IJ-2, 160IK-2, 160IL-2, 160IM-2, 160IN-2, 160IO-2, 160IP-2, 160IQ-2, 160IR-2, 160IS-2, 160IT-2, 160IU-2, 160IV-2, 160IW-2, 160IX-2, 160IY-2, 160IZ-2, 160JA-2, 160JB-2, 160JC-2, 160JD-2, 160JE-2, 160JF-2, 160JG-2, 160JH-2, 160JI-2, 160JJ-2, 160JK-2, 160JL-2, 160JM-2, 160JN-2, 160JO-2, 160JP-2, 160JQ-2, 160JR-2, 160JS-2, 160JT-2, 160JU-2, 160JV-2, 160JW-2, 160JX-2, 160JY-2, 160JZ-2, 160KA-2, 160KB-2, 160KC-2, 160KD-2, 160KE-2, 160KF-2, 160KG-2, 160KH-2, 160KI-2, 160KJ-2, 160KK-2, 160KL-2, 160KM-2, 160KN-2, 160KO-2, 160KP-2, 160KQ-2, 160KR-2, 160KS-2, 160KT-2, 160KU-2, 160KV-2, 160KW-2, 160KX-2, 160KY-2, 160KZ-2, 160LA-2, 160LB-2, 160LC-2, 160LD-2, 160LE-2, 160LF-2, 160LG-2, 160LH-2, 160LI-2, 160LJ-2, 160LK-2, 160LL-2, 160LM-2, 160LN-2, 160LO-2, 160LP-2, 160LQ-2, 160LR-2, 160LS-2, 160LT-2, 160LU-2, 160LV-2, 160LW-2, 160LX-2, 160LY-2, 160LZ-2, 160MA-2, 160MB-2, 160MC-2, 160MD-2, 160ME-2, 160MF-2, 160MG-2, 160MH-2, 160MI-2, 160MJ-2, 160MK-2, 160ML-2, 160MM-2, 160MN-2, 160MO-2, 160MP-2, 160MQ-2, 160MR-2, 160MS-2, 160MT-2, 160MU-2, 160MV-2, 160MW-2, 160MX-2, 160MY-2, 160MZ-2, 160NA-2, 160NB-2, 160NC-2, 160ND-2, 160NE-2, 160NF-2, 160NG-2, 160NH-2, 160NI-2, 160NJ-2, 160NK-2, 160NL-2, 160NM-2, 160NN-2, 160NO-2, 160NP-2, 160NQ-2, 160NR-2, 160NS-2, 160NT-2, 160NU-2, 160NV-2, 160NW-2, 160NX-2, 160NY-2, 160NZ-2, 160OA-2, 160OB-2, 160OC-2, 160OD-2, 160OE-2, 160OF-2, 160OG-2, 160OH-2, 160OI-2, 160OJ-2, 160OK-2, 160OL-2, 160OM-2, 160ON-2, 160OO-2, 160OP-2, 160OQ-2, 160OR-2, 160OS-2, 160OT-2, 160OU-2, 160OV-2, 160OW-2, 160OX-2, 160OY-2, 160OZ-2, 160PA-2, 160PB-2, 160PC-2, 160PD-2, 160PE-2, 160PF-2, 160PG-2, 160PH-2, 160PI-2, 160PJ-2, 160PK-2, 160PL-2, 160PM-2, 160PN-2, 160PO-2, 160PP-2, 160PQ-2, 160PR-2, 160PS-2, 160PT-2, 160PU-2, 160PV-2, 160PW-2, 160PX-2, 160PY-2, 160PZ-2, 160QA-2, 160QB-2, 160QC-2, 160QD-2, 160QE-2, 160QF-2, 160QG-2, 160QH-2, 160QI-2, 160QJ-2, 160QK-2, 160QL-2, 160QM-2, 160QN-2, 160QO-2, 160QP-2, 160QQ-2, 160QR-2, 160QS-2, 160QT-2, 160QU-2, 160QV-2, 160QW-2, 160QX-2, 160QY-2, 160QZ-2, 160RA-2, 160RB-2, 160RC-2, 160RD-2, 160RE-2, 160RF-2, 160RG-2, 160RH-2, 160RI-2, 160RJ-2, 160RK-2, 160RL-2, 160RM-2, 160RN-2, 160RO-2, 160RP-2, 160RQ-2, 160RR-2, 160RS-2, 160RT-2, 160RU-2, 1

Top chord 2x4 SP #2 Dense : T2, I3 2x6 SP #1 Dense :
 Bot chord 2x6 SP #2 : B2 2x8 SP SS:
 : B3 2x4 SP #2 Dense :
 Webs 2x4 SP #3

110 mph wind, 14.78 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

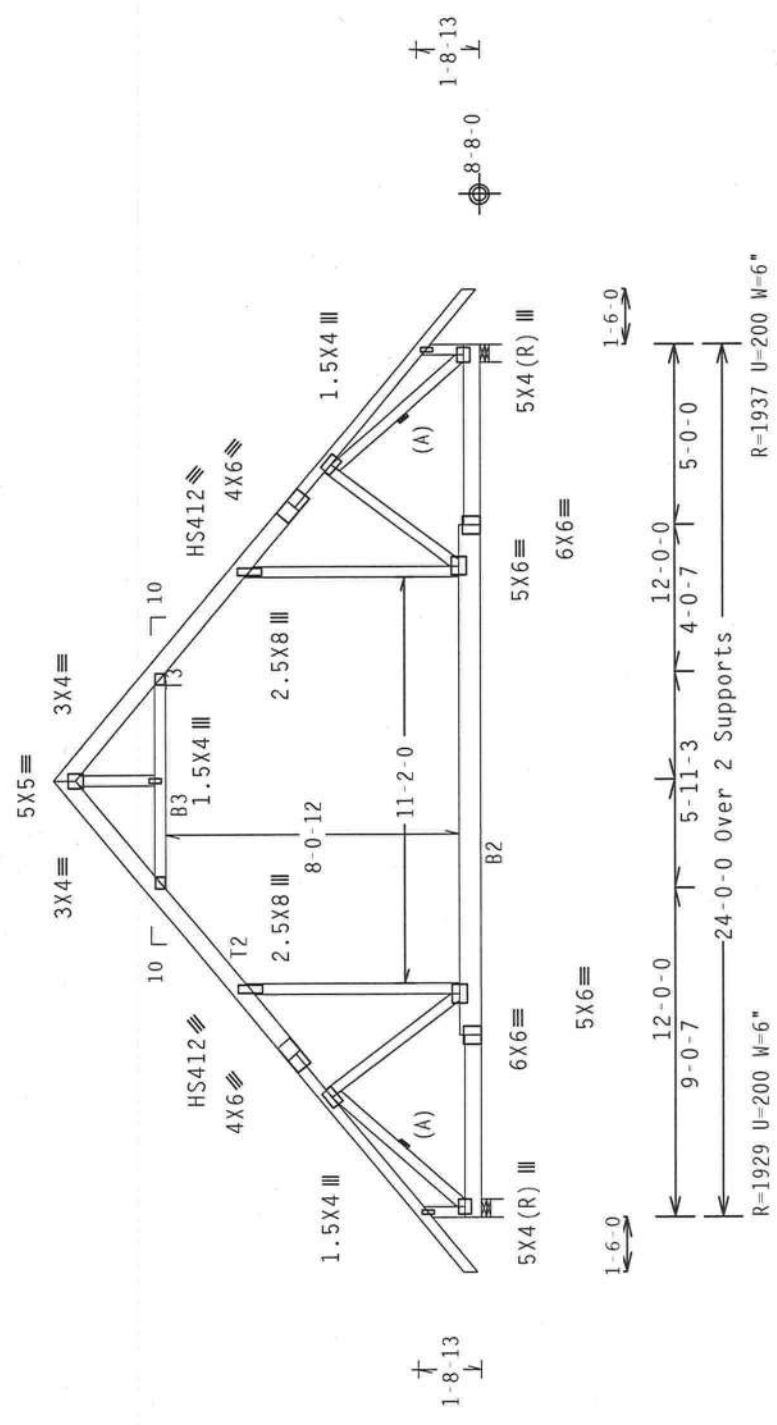
Calculated horizontal deflection is 0.15" due to live load and 0.19" due to dead load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-5-0 to 17-7-0.

(A) Continuous lateral bracing equally spaced on member.

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

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



Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

FL/-/3/-/-/R/-/-

A circular stamp from the Copyright Clearance Center (CCC) is located in the bottom right corner of the page. The text "COPYRIGHT CLEARANCE CENTER" is arranged in a circle around the perimeter. In the center, the word "AGENCY" is printed vertically.

 $00(1.25)/10(0)$ 7.0

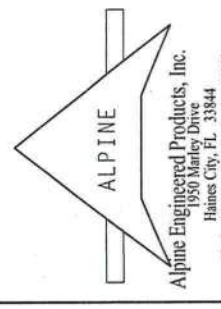
design curve. IFI 2001

HS. Wave

PLT TYP. 20 Gau

****WARNING**** THROUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BC51 1-7 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS ALIAS INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF THUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. (FOR APTAP) AND TP1: ALPINE CONNECTION PLATES PAGES 16 AND 18, AND TP1: ALPINE CONNECTION PLATES PAGES 17 AND 19. ALL STEEL CONNECTION PLATES MUST BE SUCCESSFULLY LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1). SHALL BE PER ANNEX X3 OF TP1-2002 SEC.3. 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/TP1 1 SEC. 2.



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1950 Marley Drive
Haines City, FL 33844

Top chord 2x4 SP #2 Dense :T3, T4 2x8 SP SS:
Bot chord 2x6 SP #2 :B2 2x8 SP SS:
:B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

+ MEMBER TO BE Laterally Braced For Wind Loads Perpendicular To Truss. Bracing System To Be Designed And Furnished By Others.

SPECIAL LOADS

----- (LUMBER DUR. FAC. = 100 / PLATE DUR. FAC. = 1.00)											
TC	-	From	74	PLF	at	1.50	to	74	PLF	at	6.42
TC	-	From	126	PLF	at	6.42	to	126	PLF	at	9.23
TC	-	From	74	PLF	at	9.23	to	74	PLF	at	12.00
TC	-	From	74	PLF	at	12.00	to	74	PLF	at	14.77
TC	-	From	126	PLF	at	14.77	to	126	PLF	at	17.58
TC	-	From	74	PLF	at	17.58	to	74	PLF	at	23.71
TC	-	From	74	PLF	at	23.71	to	74	PLF	at	25.50
PLT	-	From	40	PLF	at	10.02	to	40	PLF	at	13.98
BC	-	From	10	PLF	at	1.50	to	10	PLF	at	0.00
BC	-	From	40	PLF	at	0.00	to	40	PLF	at	6.42
BC	-	From	240	PLF	at	6.42	to	240	PLF	at	17.58
BC	-	From	40	PLF	at	17.58	to	40	PLF	at	24.00
BC	-	From	10	PLF	at	24.00	to	10	PLF	at	25.50
BC	-	229	LB	Conc.	Load	at	6.42,	17.58			

110 mph wind, 14.59 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

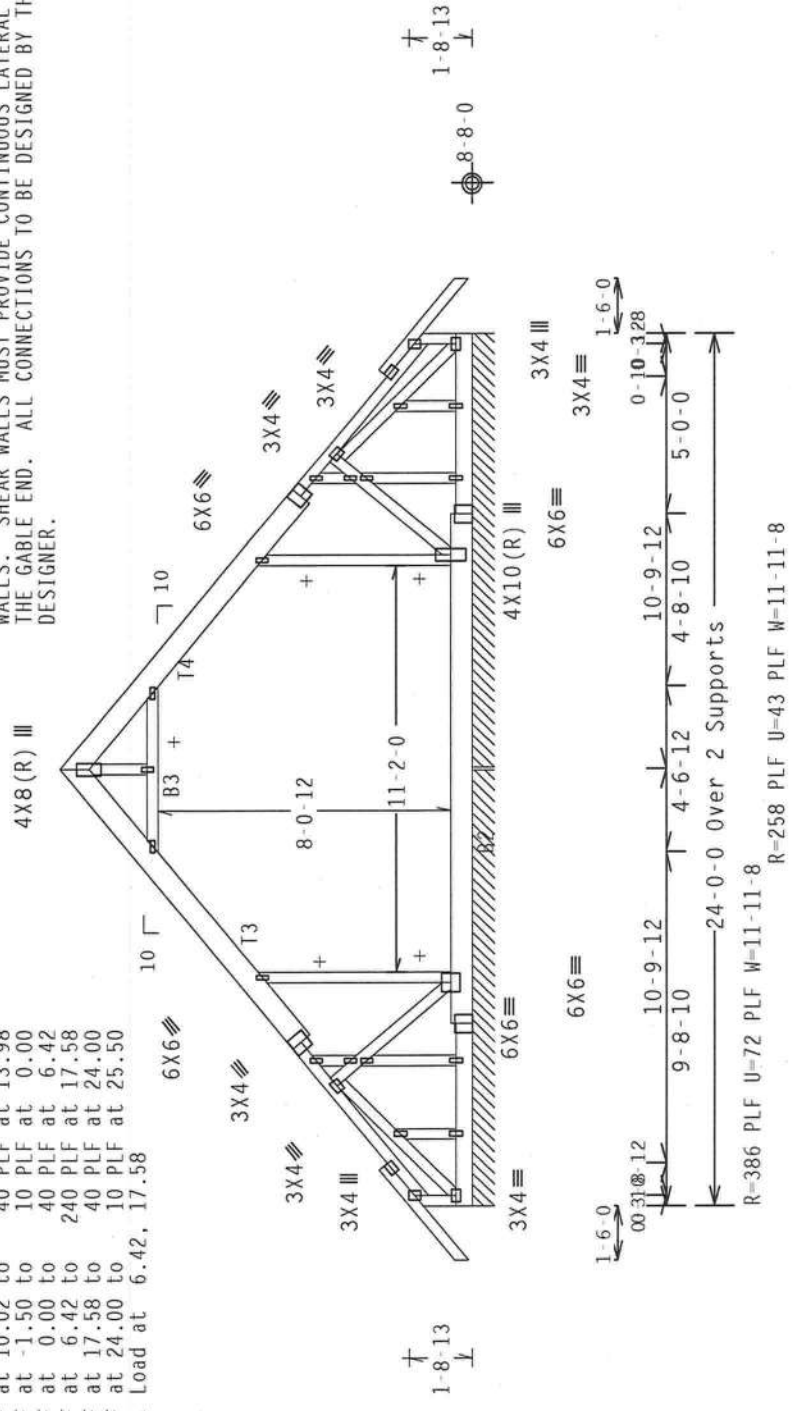
Trusses to be spaced at 48.0" OC maximum.

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

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

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

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

FL / - / 3 / - / - / R / -
Scale = .1875" / Ft.

ALPINE

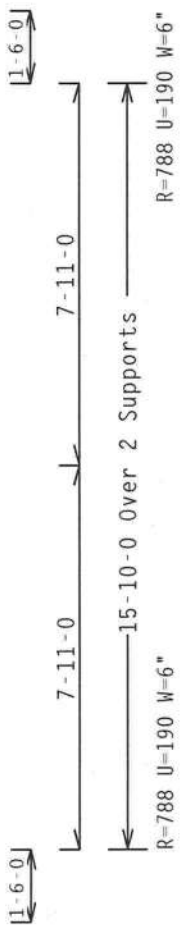
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIG 1-03 (INCLUDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE TRUSSES ARE DESIGNED TO BE USED IN A SINGLE PLANE. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES TO EACH FACE OF TRUSS AND JOISTS SHALL BE INSTALLED IN THE POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. 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.

TC LL	20.0	PSF	REF	R487--	97586
TC DL	10.0	PSF	DATE	12/02/05	
BC DL	10.0	PSF	DRW	HCUSR487	05336004
BC LL	0.0	PSF	HC-ENG	DF/AF	
TOT. LD.	40.0	PSF	SEQN-	16617	
DUR. FAC.	1.25				
SPACING	48.0"		JREF-	1SS0487	702

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

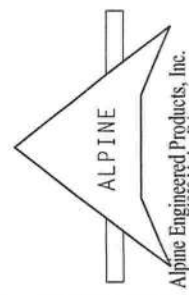


Design Crit: TPI-2002(STD)/FBC

08
FISH
TY:2 FL/-3/-/-R/- Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R487--	97587
TC DL	10.0	PSF	DATE	12/02/05	
BC DL	10.0	PSF	DRW	HCUSR487	05336002
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	16523	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SS0487	702

Dec 09 '05

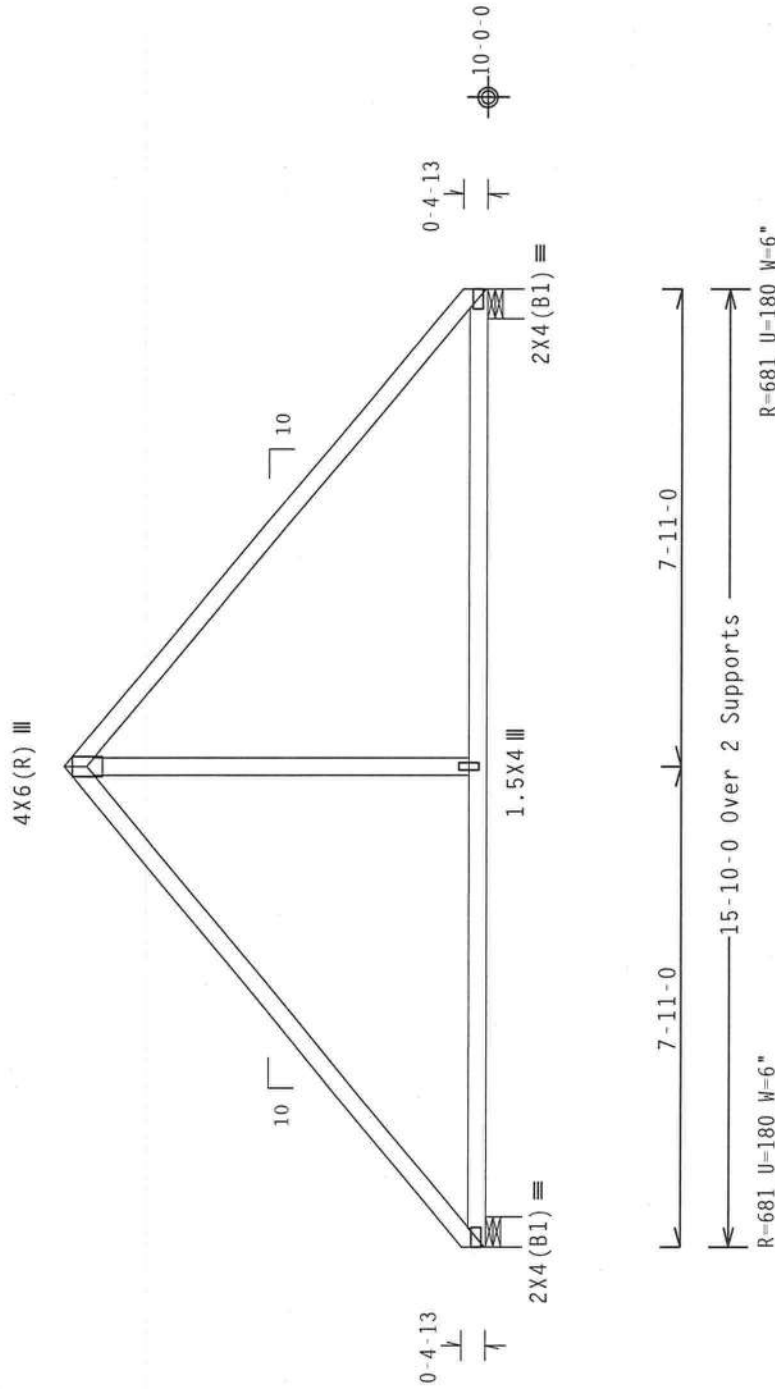


Alpine Engineered Products, Inc.
1950 Marley Drive
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Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense
webs	2x4	SP	#3	

110 mph wind, 13.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

 $C_d/RT=1.00(1.25)/10(0)$

Scale = .3125"/Ft.

TC LL	20.0	PSF	REF	R487 --	97588
TC DL	10.0	PSF	DATE	12/02/05	
BC DL	10.0	PSF	DRW	HCUSR487	05336005
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN	16527	
DUR.FAC.	1.25				
SPACING	24.0"				

*****WARNING***** PROSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PROSSES MUST BE USED IN ACCORDANCE WITH THE INFORMATION PROVIDED BY THE MANUFACTURER. PROSSES ARE THE PROPERTY OF THE PUBLIC HEALTH AND SAFETY INSTITUTE, 583 SOUTH 10TH STREET, SUITE 100, MADISON, WI 53710. FOR MORE INFORMATION, CALL 608-261-0800. MADISON, WI 53710. 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.

***PRODUCT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOD (NATIONAL DESIGN SPEC. BY AISC) AND ALPINE TRUSS COMPANY'S TRUSS MANUFACTURING SPECIFICATIONS. THE TRUSS SHALL BE DELIVERED TO THE PROJECT SITE IN PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER AMBEX 43 OF TP11-2002 SEC.3-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT. THE USE OF THIS CONSENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMBEX 11.1 SEC.3-2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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.

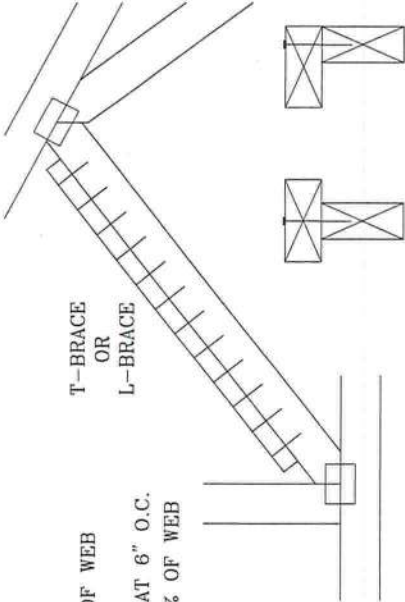
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING
2X3 OR 2X4	1 ROW	2X4	1-2X4
	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
	2 ROWS	2X6	2-2X6(*)

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.

T-BRACING
OR
L-BRACING:

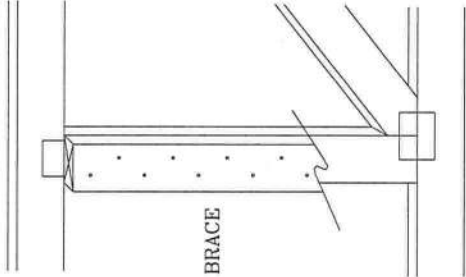
APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH



T-BRACE L-BRACE

SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d OR .128"x3" GUN
NAILS AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH

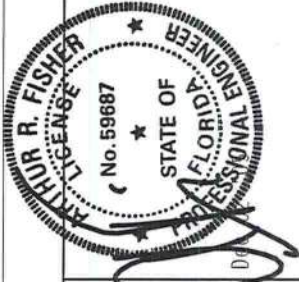


SCAB BRACE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

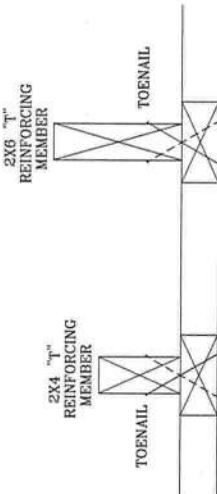
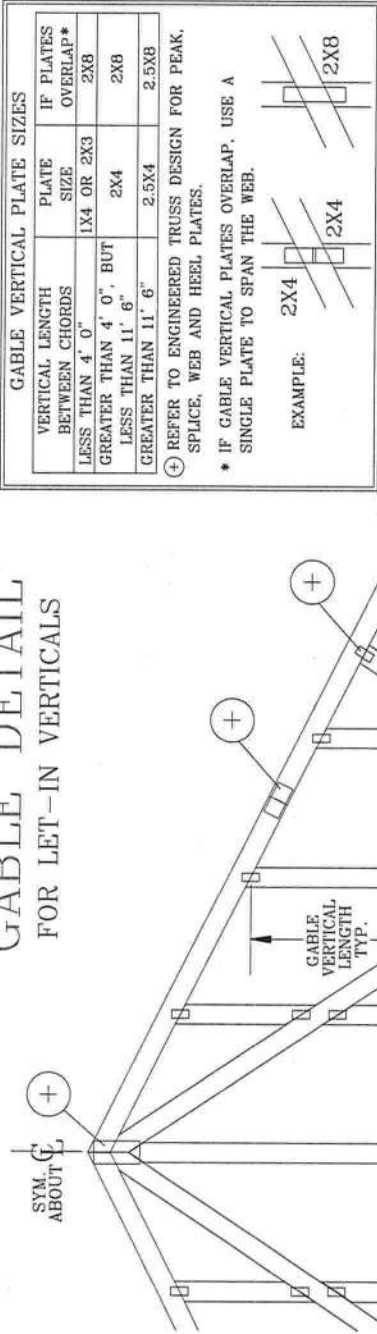
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PRODUCTIONS, INC.), 200 HANSON DR., SUITE 200, HANSON, VT. 05719, AND AITCA (WOOD TRUSS COUNCIL OF AMERICA), 1001 W. 10TH AVE., SUITE 100, DENVER, CO 80202, FOR TRUSS DESIGN AND BRACING REQUIREMENTS. 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. ALPINE ENGINEERED PRODUCTS, 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA&P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2024-T3 ALUMINUM AND ARE GRADE 6061-T6 ALUMINUM UNLESS OTHERWISE SPECIFIED. THIS DESIGN POSITION PER DRAWING T6-2Z. INSPECTION OF TRUSSES SHALL BE PERFORMED BY A QUALIFIED PERSONNEL. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



THIS DRAWING REPLACES DRAWING 579,640				
TC LL	PSF	REF	CLB SUBST.	
TC DL	PSF	DATE	11/26/03	
BC DL	PSF	DRWG	BRCLEBSUB1103	
BC LL	PSF	-ENG	MLH/KAR	
TOT. LD.	PSF			
DUR. FAC.				
SPACING				

GABLE DETAIL
FOR LET-IN VERTICALS



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 MPH	"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 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:
10d COMMON TOENAILS AT 4" O.C. PLUS (4) 16d COMMON TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS - 0.131" X 3":
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

A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103

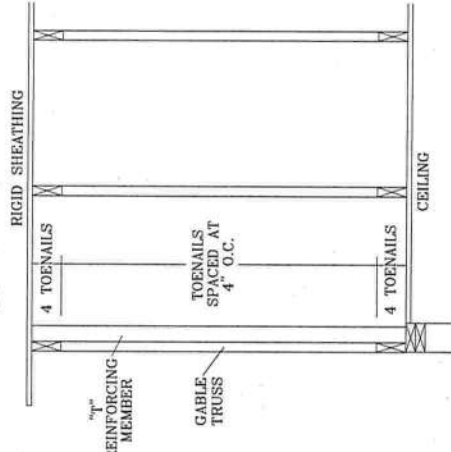
ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103

SBCCI GABLE DETAIL DRAWINGS

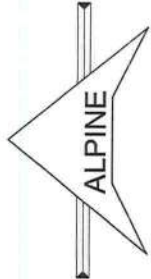
S11015EN1103, S10015EN1103, S09015EN1103, S08015EN1103, S07015EN1103
S11030EN1103, S10030EN1103, S09030EN1103, S08030EN1103, S07030EN1103

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



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-93 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE NATIONAL PLATE INSTITUTE, 583 DUNDRIE DR., SUITE 200, MADISON, WI 53719 AND AISC (STEEL ERECTORS) DESIGN GUIDE 1, 6300 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.

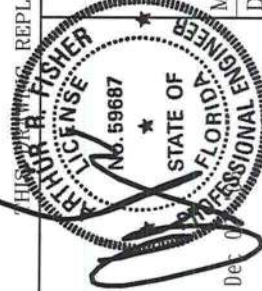
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING HANDLING INSTRUCTIONS, OR BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 60/18/16GA C/W/S/K2 ASTM A653 GRADE 40/60 C/W/K/H33 GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE SUITABILITY AND ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE DESIGNER, PER ANSI/TPI 1 SEC. E.

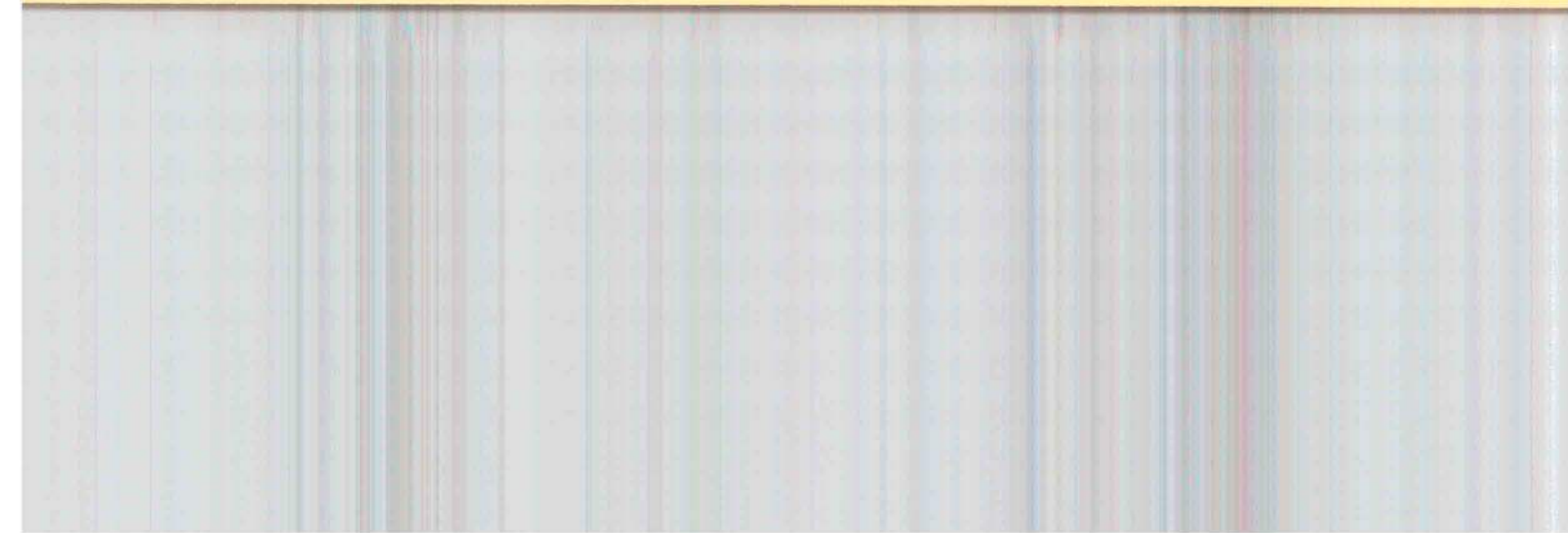
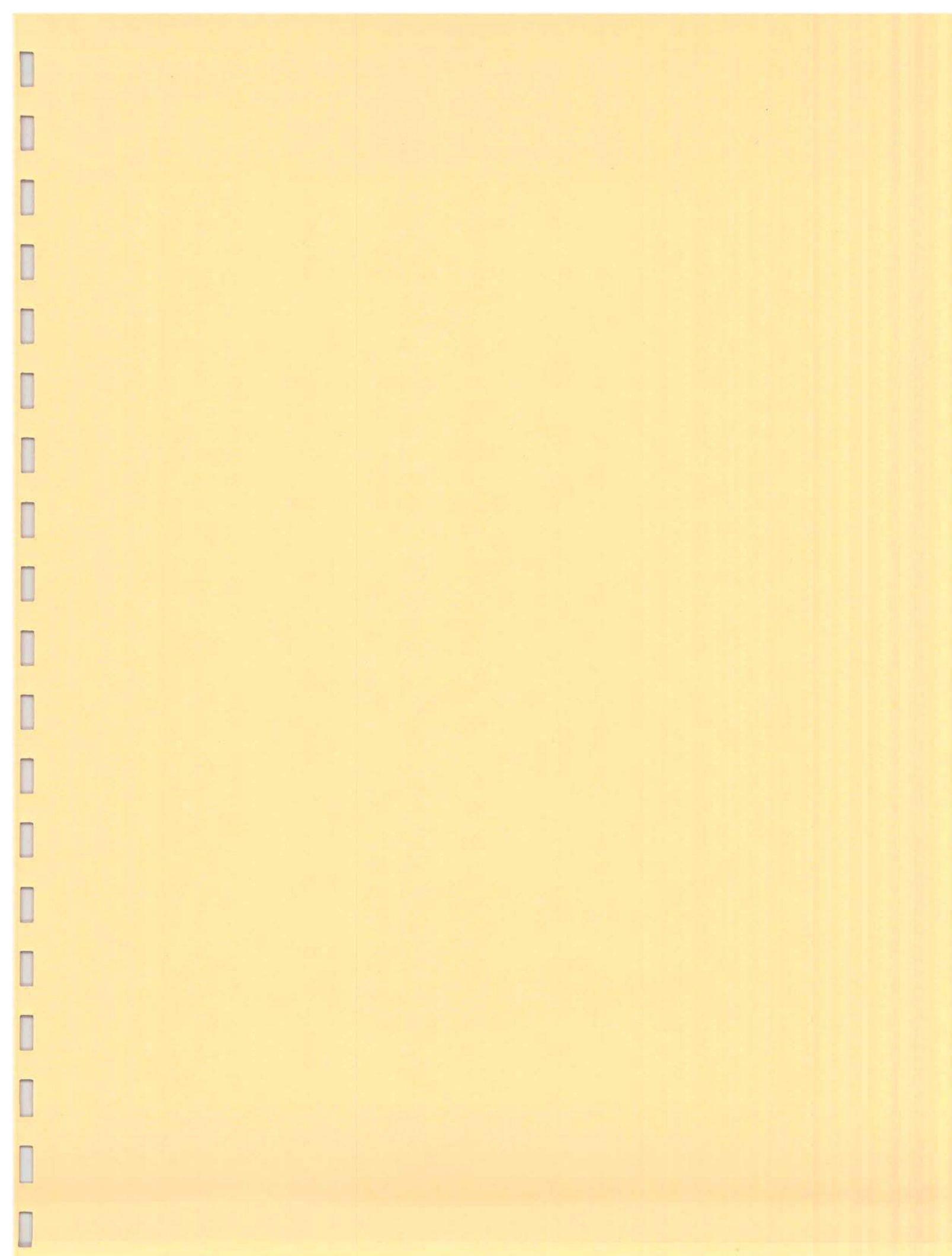


ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF	LET-IN VERT
DATE	01/16/04
DRWG	GBLETTIN1103
-ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"







NEW CONSTRUCTION WINDOW STRUCTURAL PERFORMANCE

STRUCTURAL TEST INFORMATION

Our windows are tested and certified to the AAMA/NWWDA 101/I.S.2 specification for structural performance.

WINDOW SERIES	TEST METHOD	WINDOW SIZE	AIR INFILTRATION @ 25 MPH	WATER RESISTANCE	STRUCTURAL TEST PRESSURE	DP RATING
1400 Double Hung	AAMA/NWWDA 101/I.S.2	46" x 65"	0.25 CFM	5.25 PSF	52.5 PSF	DP-35
		101" x 65"	N/A	N/A	52.5 PSF	DP-35
		101" x 76"	0.26 CFM	5.25 PSF	+37.5 / -52.5 PSF	DP-25
1450/1460 Fixed Lite	AAMA/NWWDA 101/I.S.2	63" x 78"	0.10 CFM	7.50 PSF	60.0 PSF	DP-40
2110 / 2160 Single Hung	AAMA/NWWDA 101/I.S.2	36" x 62"	0.11 CFM	7.50 PSF	75.0 PSF	DP-50
		44" x 62"	0.11 CFM	7.50 PSF	52.5 PSF	DP-35
		52" x 62"	0.11 CFM	7.50 PSF	52.5 PSF	DP-35
		52" x 73"	0.14 CFM	6.75 PSF	37.5 PSF	DP-25
2130 / 2180 Fixed Lite	AAMA/NWWDA 101/I.S.2	72" x 73"	<0.01 CFM	10.50 PSF	+60.0 / -75.0 PSF	DP-40
		72" x 73"	<0.01 CFM	10.50 PSF	45.0 PSF	DP-30
		72" x 73"	<0.01 CFM	10.50 PSF	30.0 PSF	DP-20
		52" x 62"	<0.01 CFM	N/A	52.5 PSF	DP-35
2710 / 2760 Single Hung	AAMA/NWWDA 101/I.S.2	52" x 73"	N/A	9.00 PSF	90.0 PSF	DP-60
		54" x 90"	0.19 CFM	7.50 PSF	60.0 PSF	DP-40
2730 / 2780 Fixed Lite	AAMA/NWWDA 101/I.S.2	72" x 73"	<0.01 CFM	10.50 PSF	+60.0 / -75.0 PSF	DP-40
		72" x 73"	<0.01 CFM	10.50 PSF	45.0 PSF	DP-30
		72" x 73"	<0.01 CFM	10.50 PSF	30.0 PSF	DP-20
		52" x 62"	<0.01 CFM	N/A	52.5 PSF	DP-35
2800 Slider	AAMA/NWWDA 101/I.S.2	72" x 48"	0.06 CFM	5.25 PSF	52.5 PSF	DP-35
		72" x 50"	0.07 CFM	6.00 PSF	60.0 PSF	DP-40
2900 Single Hung	AAMA/NWWDA 101/I.S.2	36" x 62"	0.13 CFM	7.50 PSF	75.0 PSF	DP-50
		38" x 60"	0.13 CFM	7.50 PSF	75.0 PSF	DP-50
		44" x 62"	0.13 CFM	7.50 PSF	67.5 PSF	DP-45
		107" x 48"	0.22 CFM	7.50 PSF	52.0 PSF	DP-35
		107" x 62"	0.22 CFM	7.50 PSF	75.0 PSF	DP-50
2950 / 2960 Fixed Lite	AAMA/NWWDA 101/I.S.2	87" x 62"	0.08 CFM	7.50 PSF	60.0 PSF	DP-40
3000 / 3900 Double Hung	AAMA/NWWDA 101/I.S.2	34" x 65"	0.18 CFM	7.50 PSF	75.0 PSF	DP-50
		38" x 57"	0.18 CFM	7.50 PSF	75.0 PSF	DP-50
		38" x 65"	0.18 CFM	7.50 PSF	67.5 PSF	DP-45
		96" x 77"	0.18 CFM	5.25 PSF	45.0 PSF	DP-30
		108" x 77"	0.18 CFM	7.50 PSF	60.0 PSF	DP-35
3050 / 3060 / 3950 / 3960 Fixed Lite	AAMA/NWWDA 101/I.S.2	60" x 77"	0.01 CFM	7.50 PSF	75.0 PSF	DP-50



The AAMA established standards for structural integrity, air infiltration, water infiltration resistance and forced entry resistance. **Structural Integrity** is the ability to withstand wind and other dynamic pressures. This is rated in design pressure (DP). The higher a product's rating design pressure, the greater the amount of wind or pressure the window will withstand.

Air Infiltration tests involve the equivalent of 25 mph wind. The lower the air infiltration rating the better.

Water Infiltration tests a window's ability to resist water leakage through the window frame, sashes, joints, weather-stripping, etc. No leakage is permitted under this test criteria.

Forced entry is tested by a certified lab technician using many different tools to simulate breaking into a home through the window. Next, windows and doors are subjected to hundreds of pounds of force to try to lift or push them open while in the locked position.

For more information on Silver Line Windows, visit us at www.silverlinewindows.com or call us at 800-234-4228



NEW CONSTRUCTION WINDOW
STRUCTURAL PERFORMANCE

STRUCTURAL TEST INFORMATION

Our windows are tested and certified to the AAMA/NWWDA 101/I.S.2 specification for structural performance.

WINDOW SERIES	TEST METHOD	WINDOW SIZE	AIR INFILTRATION @ 25 MPH	WATER RESISTANCE	STRUCTURAL TEST PRESSURE	DP RATING
3550 Single Hung	AAMA/NWWDA 101/I.S.2	45" x 60"	0.13 CFM	7.50 PSF	75.0 PSF	DP-50
		45" x 72"	0.13 CFM	7.50 PSF	37.5 PSF	DP-25
3650 Slider	AAMA/NWWDA 101/I.S.2	108" x 60"	0.25 CFM	5.25 PSF	52.5 PSF	DP-35
3700 / 3800 Fixed Lite	AAMA/NWWDA 101/I.S.2	60" x 72"	0.01 CFM	7.50 PSF	75.0 PSF	DP-50
5500 Patio Door	AAMA/NWWDA 101/I.S.2	72" x 80"	0.14 CFM	5.25 PSF	52.5 PSF	DP-35
7450 Awning	AAMA/NWWDA 101/I.S.2	48" x 30"	0.09 CFM	6.00 PSF	60.0 PSF	DP-40
		48" x 90"	N/A	N/A	45.0 PSF	DP-30
		108" x 30"	0.20 CFM	6.00 PSF	60.0 PSF	DP-40
7550 Casement	AAMA/NWWDA 101/I.S.2	32" x 66"	0.12 CFM	7.50 PSF	60.0 PSF	DP-40
		56" x 48"	0.10 CFM	7.50 PSF	60.0 PSF	DP-40
		56-1/2" x 48"	0.11 CFM	7.50 PSF	60.0 PSF	DP-40
		60" x 72"	0.11 CFM	7.50 PSF	60.0 PSF	DP-40



The AAMA established standards for structural integrity, air infiltration, water infiltration resistance and forced entry resistance. **Structural Integrity** is the ability to withstand wind and other dynamic pressures. This is rated in design pressure (DP). The higher a product's rating design pressure, the greater the amount of wind or pressure the window will withstand. **Air Infiltration** tests involve the equivalent of 25 mph wind. The lower the air infiltration rating the better. **Water Infiltration** tests a window's ability to resist water leakage through the window frame, sashes, joints, weather-stripping, etc. No leakage is permitted under this test criteria. **Forced entry** is tested by a certified lab technician using many different tools to simulate breaking into a home through the window. Next, windows and doors are subjected to hundreds of pounds of force to try to lift or push them open while in the locked position.

For more information on Silver Line Windows, visit us at www.silverlinewindows.com or call us at 800-234-4228



A KOHLER COMPANY

BATH BASICS
STANDARD HINGED SHOWER DOORS

2800

Features

- Fits most fiberglass surround units
- Anodized aluminum-framed swinging glass door
- Threshold directs water back into the shower and minimizes soap or lint build up
- Installs left- or right-handed
- No top track allows easy access into the shower
- Two-piece hinge and strike assembly allow for out-of-plumb adjustability
- Full-length hinge system runs the full length of the door jamb for greater door stability and quicker installation
- Full-length handle and door magnet for easy use and proper door closure
- Tempered glass ensures maximum safety and durability
- Frame components extruded from aluminum alloy
- 6063-T5
- Stainless steel hardware avoids rusting or corrosion

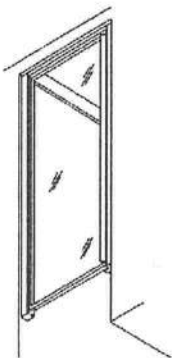
Codes/Standards Applicable

Specified model meets or exceeds the following:

- ANSI Z97.1 (tempered glass)

Colors/Finishes

- S Silver
- PB Polished Brass



Specified Model

Model	Application	Glass Texture	Pattern	* Frame Colors/Finishes
2800-25*	Shower	Hammered	None	☐ S ☐ PB
2800-26*	Shower	Hammered	None	☐ S ☐ PB
2800-28*	Shower	Hammered	None	☐ S ☐ PB
2800-29*	Shower	Hammered	None	☐ S ☐ PB
2800-31*	Shower	Hammered	None	☐ S ☐ PB
2800-32*	Shower	Hammered	None	☐ S ☐ PB
2800-34*	Shower	Hammered	None	☐ S ☐ PB
2800-35*	Shower	Hammered	None	☐ S ☐ PB

* Note: Add appropriate color/finish code to the end of the unit model # when ordering

SterlingPlumbing.com

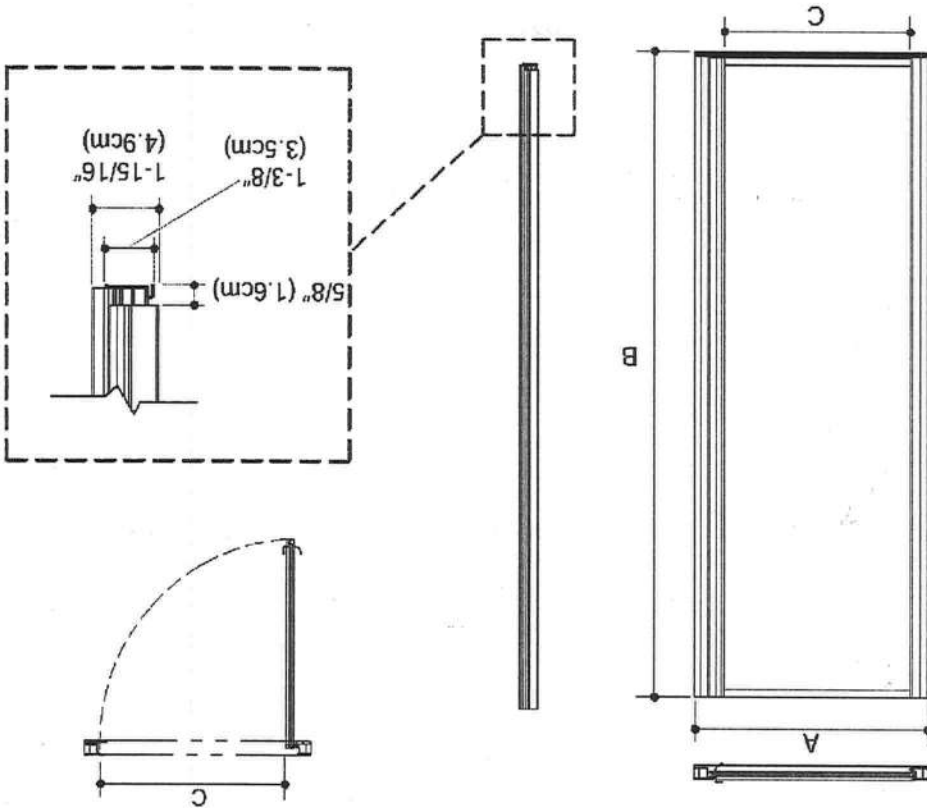
Visit us online for fixture color choices, detailed product information, color photos, installation instructions, care and cleaning guides and warranties. Sterling offers a complete line of plumbing products to complement the Sterling product you've chosen. You may also call our Kohler Plumbing Answer Center from within the U.S.A. at 1-888-STERLING in addition to consulting with your local dealer. Sterling. Strong. Professional. Design.

We reserve the right to make revisions without notice in the design of fixtures or in packaging unless this right has specifically been waived at the time the order is accepted.

BATH BASICS

Model	A (Max. Width)	B (Height)	C (Walk Through Max.)
2800-25	25'-1/2" (64.8cm)	64" (162.6cm)	20'-11/16" (52.5cm)
2800-26	27" (68.6cm)	64" (162.6cm)	22'-3/16" (56.4cm)
2800-28	28'-1/2" (72.4cm)	64" (162.6cm)	23'-11/16" (60.2cm)
2800-29	30" (76.2cm)	64" (162.6cm)	25'-3/16" (64cm)
2800-31	31'-1/2" (80cm)	64" (162.6cm)	26'-11/16" (67.8cm)
2800-32	33" (83.8cm)	64" (162.6cm)	28'-3/16" (71.6cm)
2800-34	34'-1/2" (87.6cm)	64" (162.6cm)	29'-11/16" (75.4cm)
2800-35	36" (91.4cm)	64" (162.6cm)	31'-3/16" (79.2cm)

Note: Min. Width = A - [1'-1/2" (3.8cm)]



RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

- Applicant ☐ Plans Examiner ☒
- All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
- Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.

Site Plan including:

- a) Dimensions of lot ☒
- b) Dimensions of building set backs ☒
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. ☒
- d) Provide a full legal description of property. ☒

Wind-load Engineering Summary, calculations and any details required

Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC

- a. Basic wind speed (3-second gust), miles per hour (km/hr).
b. Wind importance factor, I_w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.
c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.
d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient.
e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specially designed by the registered design professional.

Elevations including:

- a) All sides ☒
- b) Roof pitch ☒
- c) Overhang dimensions and detail with attic ventilation ☒

d) Location, size and height above roof of chimneys.

e) Location and size of skylights

f) Building height 29'11"

e) Number of stories 2

Floor Plan including:

a) Rooms labeled and dimensioned.

b) Shear walls identified.

c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).

d) Show safety glazing of glass, where required by code.

e) Identify egress windows in bedrooms, and size.

f) Fireplace (gas vented), (gas non-vented) or wood burning with

hearth, (Please circle applicable type).

g) Stairs with dimensions (width, tread and riser) and details of guardrails and

handrails.

h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

a) Location of all load-bearing wall with required footings indicated as standard

or monolithic and dimensions and reinforcing.

b) All posts and/or column footing including size and reinforcing

c) Any special support required by soil analysis such as piling

d) Location of any vertical steel.

Roof System:

a) Truss package including:

1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.

2. Roof assembly (FBC 106.1.1.2) Roofing system, materials,

manuafacturer, fastening requirements and product evaluation with

wind resistance rating)

b) Conventional Framing Layout including:

1. Rafter size, species and spacing

2. Attachment to wall and uplift

3. Ridge beam sized and valley framing and support details

4. Roof assembly (FBC 106.1.1.2) Roofing systems, materials,

manuafacturer, fastening requirements and product evaluation with

Wall Sections including:

a) Masonry wall

1. All materials making up wall

2. Block size and mortar type with size and spacing of reinforcement

3. Lintel, tie-beam sizes and reinforcement

4. Gable ends with rake beams showing reinforcement or gable truss

and wall bracing details

5. All required connectors with uplift rating and required number and

size of fasteners for continuous tie from roof to foundation

6. Roof assembly shown here or on roof system detail (FBC

106.1.1.2) Roofing system, materials, manuafacturer, fastening

requirements and product evaluation with resistance rating)

7. Fire resistant construction (if required)

8. Fireproofing requirements

9. Shoe type of termite treatment (termiteicide or alternative method)

10. Slab on grade

a. Vapor retarder (6mil. Polyethylene with joints lapped 6

inches and sealed)

b. Must show control joints, synthetic fiber reinforcement or

Welded fire fabric reinforcement and supports

11. Indicate where pressure treated wood will be placed

12. Provide insulation R value for the following:

a. Attic space

b. Exterior wall cavity

c. Crawl space (if applicable)

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
- a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
- b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)
- c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

- Electrical layout including:**
- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
 - b) Ceiling fans
 - c) Smoke detectors

d) Service panel and sub-panel size and location(s)

e) Meter location with type of service entrance (overhead or underground)

f) Appliances and HVAC equipment

g) Arc Fault Circuits (AFCI) in bedrooms

HVAC information

a) Energy Calculations (dimensions shall match plans)

b) Manual J sizing equipment or equivalent computation

c) Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

*****Notice Of Commencement Required Before Any Inspections Will Be Done**

Private Potable Water

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.** A development permit will also be required. Development permit cost is \$50.00
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. If the project is to be located on a F.D.O.T. maintained road, then an F.D.O.T. access permit is required.
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED. AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE - TIME WILL NOT ALLOW THIS - PLEASE DO NOT ASK

Location: _____

Project Name: _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Location

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Permit # (FOR STAFF USE ONLY)

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite: 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Category/Subcategory (cont.) Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys		
14. Cements-Adhesives - Coatings		
15. Roof Tile Adhesive		
16. Spray Applied Polyurethane Roof		
17. Other		
E. SHUTTERS		
1. Accordion		
2. Bahama		
3. Storm Panels		
4. Colonial		
5. Roll-up		
6. Equipment		
7. Others		
F. SKYLIGHTS		
1. Skylight		
2. Other		
G. STRUCTURAL COMPONENTS		
1. Wood connector/anchor		
2. Truss plates		
3. Engineered lumber		
4. Railing		
5. Coolers-freezers		
6. Concrete Admixtures		
7. Material		
8. Insulation Forms		
9. Plastics		
10. Deck-Roof		
11. Wall		
12. Sheds		
13. Other		
H. NEW EXTERIOR ENVELOPE PRODUCTS		
1.		
2.		

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE

COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR

AN APPOINTMENT TIME AND DATE:

YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE

TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY

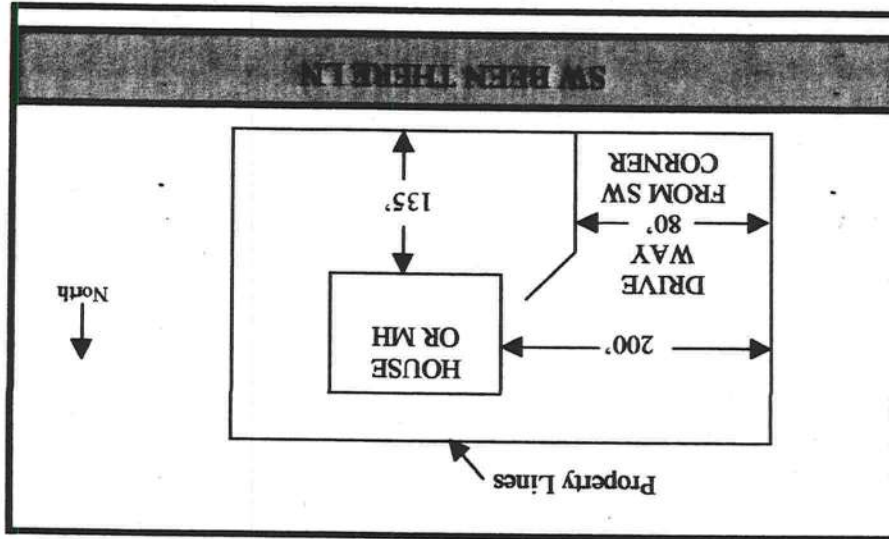
EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123") FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.

- a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
- b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
- c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.

Product Line	
2100 Single Hung	03-0630.03
2100 Single Hung Window Including Mullied Windows	03-1210.05
2130/2180 Fixed Window	03-1117.02
2700 Single Hung	02-0729.04
2700 Single Hung Window Including Mullied Windows	02-1210.06
2730-2780 Fixed Window	03-1117.01
Vinyl Extrusions	03-1110.03

SIDE LONG

MIAMI DADE COUNTY

Product Line	Approval Number
2100 Single Hung w/ Flange w/ 2723 & 2724 Mullion	FL2597 RI
2100 Single Hung Masonry	FL2597
2110 Single Hung w/ 2723 or 2724 Mullion	FL1202
2130 Fixed Masonry	FL2613
2130 Fixed Window w/ 2723 or 2724 Mullion	FL1204
2160 Single Hung Frame	FL2612
2160 Single Hung w/ 2723 or 2724 Mullion	FL1203
2180 Fixed Frame	FL2598
2180 Fixed Window w/ 2723 or 2724 Mullion	FL1267
2710 Single Hung N.C.	FL2591
2710 Single Hung w/ 2723 or 2724 Mullion	FL2327
2723 & 2734 Structural Beam Mullion	FL1270
2730 Fixed Masonry	FL2607
2730 Fixed Window w/ 2723 or 2724 Mullion	FL1266
2760 Single Hung Frame	FL2614
2760 Single Hung w/ 2723 or 2724 Mullion	FL1271
2780 Fixed Frame	FL2609
2780 Fixed Window w/ 2723 or 2724 Mullion	FL3014
2800 Horizontal Slider	FL1547
2900 Single Hung	FL1548
2910 Single Hung N.C.	FL2600
2910 Single Hung w/ 2723 or 2724 Mullion	FL2651
2950 Fixed Window w/ 2723 or 2724 Mullion	FL2625
2960 Single Twin w/ fin and 2723 or 2724 Mullion	FL1522
4100 Fixed Replacement	FL1528
4100 Fixed w/ Fin N.C.	FL1527 / FL1528
5500/5600/5700 Bliding Masonry	FL1540
5500/5600/5700 Sliding w/ Fin Frame	FL1469
7400 Awning Replacement	FL1471
7450 Awning N.C.	FL1472
7500 Casement Replacement	FL1473
7550 Casement N.C.	FL1474
8500 Double Hung Replacement	FL1475
8500 Double Hung w/ Fin N.C.	FL1532
8700/8800 Horizontal Slider Replacement	FL1534
8700/8800 Horizontal Slider w/ Fin N.C.	

Signature

ANSI/AAMA/NWDA 101/I.S.2-97
TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC

SERIES/MODEL: 420/430/440

PRODUCT TYPE: Aluminum Sliding Glass Door

Summary of Results			
Title	Test Specimen #1	Test Specimen #2	Test Specimen #3
Rating	SGD-R25 182 x 96	SGD-R35 182 x 80	SGD-R40 144 x 96
Operating Force	17 lbf max.	17 lbf max.	N/A
Air Infiltration	0.23 cfm/ft ²	0.27 cfm/ft ²	N/A
Water Resistance Test Pressure	3.75/6.0/9.0 psf	6.0 psf	N/A
Uniform Load Deflection Test Pressure	±35.0 psf	±35.0 psf	+40.0 psf/-40.1 psf
Uniform Load Structural Test Pressure	±37.5 psf	±52.5 psf	+60.0 psf/-60.2 psf
Forced Entry Resistance	Grade 10	Grade 10	N/A

Reference should be made to ATI Report No. 52112.01-122-47 for complete test specimen description and data.

**ANSI/AAMA/NWDA 101/I.S.2-97 TEST REPORT**

Rendered to:

MI WINDOWS AND DOORS, INC
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No.: 52112.01-122-47
Revision I: 09/13/04
Test Dates: 06/30/04
Through: 08/12/04
Report Date: 08/30/04
Expiration Date: 07/02/08

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on three Series/Model 420/430/440, aluminum sliding glass doors at MI Windows and Doors, Inc. test facility in Elizabethtown, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: SGD-R25 182 x 96; Test Specimen #2: SGD-R35 182 x 80; Test Specimen #3: SGD-R40 144 x 96. Test specimen description and results are reported herein.

Test Specification: The test specimens were evaluated in accordance with ANSI/AAMA/NWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:**Series/Model:** 420/430/440**Product Type:** Aluminum Sliding Glass Door**Test Specimen #1:** SGD-R25 182 x 96 (XXO)**Overall Size:** 15' 1-3/4" wide by 8' 0" high**Active Door Panel Size (2):** 5' 0-1/2" wide by 7' 11" high**Fixed Door Panel Size:** 5' 1" wide by 7' 11" high**Screen Size:** 5' 0-3/8" wide by 7' 11" high**Overall Area:** 121.2 ft²

Reinforcement: The active and fixed interlocking stile utilized a steel U-shaped reinforcement (Drawing #9917525). The fixed intermediate jamb utilized a steel reinforcement (Drawing #9917520).

Test Specimen Description: (Continued)

Test Specimen #2: SGD-R35 182 x 80 (OXX)

Overall Size: 15' 1-3/4" wide by 6' 8" high

Active Door Panel Size (2): 5' 0-1/2" wide by 6' 7" high

Fixed Door Panel Size: 4' 8-7/8" wide by 6' 2-5/8" high

Screen Size: 5' 0-3/8" wide by 6' 7" high

Overall Area: 101 ft²

Reinforcement: No reinforcement was utilized.

Test Specimen #3: SGD-R40 144 x 96 (XOX)

Overall Size: 12' 0" wide by 8' 0" high

Active Door Panel Size: 3' 8-1/4" wide by 7' 10-1/2" high

Fixed Door Panel Size (2): 3' 8-3/4" wide by 7' 6-1/2" high

Screen Size: 3' 11-1/2" wide by 7' 11-3/8" high

Overall Area: 96 ft²

Reinforcement: The active and fixed interlocking stile utilized a steel U-shaped reinforcement (Drawing #9917525). The fixed intermediate jamb utilized a steel reinforcement (Drawing #9917520). The interlock utilized an aluminum reinforcement (Drawing #SSECT4237).

The following descriptions apply to all specimens.

Finish: All aluminum was white.

Glazing Details: All glazing consisted of a single sheet of 3/16" thick clear tempered glass that was channel glazed with a wrap around rubber gasket.

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.187" backed by 0.270" high polypile with center fin	2 Rows	Stiles

Frame Construction: The frame was constructed of extruded aluminum. Corners were coped, butted, sealed, and fastened with two #8 by 5/8" screws.

Door Panel Construction: The door panels were constructed of extruded aluminum members. Corners were coped, butted, and fastened with one 1/4" by 3/4" screw at the bottom and two #8 by 3/4" screws at the top.

Screen Construction: The screen was constructed of extruded aluminum members. Corners were coped, butted, and fastened with one 1/4" by 3/4" and one #8 by 1" screw at the bottom and one #8 by 1" screw at the top.

Hardware:

Description	Quantity	Location
Locking handle	1	44" from active panel bottom
Roller assembly	2	3" from bottom rail ends
Screen locking handle	1	46" from screen bottom rail

Drainage:

Description	Quantity	Location
Sloped sill	1	Sill

Installation: The units were installed into a #2 Spruce-Pine-Fir wood test buck. The units were fastened to the test buck with two rows of #8 by 1-1/4" screws, 8" from each end and 23" on center. The exterior perimeter was sealed with silicone.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: SGD-R25 182 x 96 (XXO)			
2.2.1.6.1	Operating Force Breakaway Force	17 lbf 24 lbf	20 lbf max. 30 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.23 cfm/ft ²	0.3 cfm/ft ² max.
<i>Note #1: The tested specimen meets the performance levels specified in ANSI/AAMA/NWDA 101/I.S.2-97 for air infiltration.</i>			
2.1.3	Water Resistance per ASTM E 547 (with and without screen)	2.86 psf No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting rail) (Loads were held for 52 seconds) 15.0 psf (positive) 15.0 psf (negative)	0.56" 0.57"	See Note #2 See Note #2
<i>Note #2: The Uniform Load Deflection test is not a requirement of ANSI/AAMA/NWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.</i>			
2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds) 22.5 psf (positive) 22.5 psf (negative)	0.02" 0.03"	0.30" max. 0.30" max.
2.2.1.6.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs Locking stile Interlock stile	0.12"/24% 0.12"/24%	0.50"/100% 0.50"/100%

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
<u>Test Specimen #1: SGD-R25 182 x 96 (XXO) (Continued)</u>			
2.2.1.6.2	Deglazing Test per ASTM E 987 In remaining direction - 50 lbs Top rail Bottom rail	0.06"/12% 0.06"/12%	0.50"/100% 0.50"/100%
2.1.8	Forced Entry Resistance per ASTM F 842 Type: A Grade: 10	No entry	No entry
	Lock Manipulation Test	No entry	No entry
	Test A1 through A6	No entry	No entry
	Lock Manipulation Test	No entry	No entry
<u>Optional Performance</u>			
4.3	Water Resistance per ASTM E 547 (with and without screen) (with sill riser) 6.0 psf	No leakage	No leakage
4.3	Water Resistance per ASTM E 547 (with and without screen) (with sill riser) 6.0 psf	No leakage	No leakage
4.3	Water Resistance per ASTM E 547 (with and without screen) (with sill riser) 6.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 10 seconds) 35.0 psf (positive) 35.0 psf (negative)	2.98" 2.52"	See Note #2 See Note #2

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds) 37.5 psf (positive) 37.5 psf (negative) Test Specimen #1: SGD-R25 182 x 96 (XXO) (Continued) Test Specimen #2: SGD-R35 182 x 80 (OXX)	0.20" 0.19" 0.36" max. 0.36" max.	0.36" max. 0.36" max. 0.3 cfm/ft ² max. 0.27 cfm/ft ²
2.2.1.6.1	Operating Force Breakaway force	17 lbf 21 lbf	20 lbf max. 30 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.27 cfm/ft ²	0.3 cfm/ft ² max.
Note #1: The tested specimen meets the performance levels specified in ANSI/AAMA/NWDA 101/I.S.2-97 for air infiltration.			
2.1.3	Water Resistance per ASTM E 547 (with and without screen) 2.86 psf	No leakage	No leakage
2.2.1.6.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs Locking stile Interlock stile In remaining direction - 50 lbs Top rail Bottom rail	0.12"/24% 0.12"/24% 0.06"/12% 0.06"/12%	0.50"/100% 0.50"/100%
2.1.8	Forced Entry Resistance per ASTM F 842 Type: A Grade: 10 Lock Manipulation Test Test A1 through A6 Lock Manipulation Test	No entry No entry No entry	No entry No entry No entry

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
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Test Specimen #2: SGD-R35 182 x 80 (OXX) (Continued)

Optional Performance

4.3	Water Resistance per ASTM E 547 (with and without screen) (with sill riser) 6.0 psf	No leakage	No leakage
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4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds) 35.0 psf (positive) 35.0 psf (negative)	1.28" 1.33"	See Note #2 See Note #2
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4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds) 52.5 psf (positive) 52.5 psf (negative)	0.13" 0.15"	0.30" max. 0.30" max.
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Test Specimen #3: SGD-R40 144 x 96 (XOX)

Optional Performance

4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds) 40.0 psf (positive) 40.1 psf (negative)	1.42" 1.28"	See Note #2 See Note #2
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4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds) 60.0 psf (positive) 60.2 psf (negative)	0.27" 0.30"	0.37" max. 0.37" max.
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Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced, except in full, without approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC:

Mark A. Hess

Digitally Signed for Mark A. Hess by Vicki L. McElwain

Mark Hess
Technician

MH:vlm

17 2 21

Digitally Signed by: Steven M. Ulrich

Steven M. Ulrich, P.E.
Senior Project Engineer

MI WINDOWS AND DOORS, INC.

420 / 430 / 440 SERIES ALUMINUM SLIDING GLASS DOOR

COMPARATIVE ANALYSIS CHART IN DESIGN PRESSURE

**STEEL AND ALUMINUM
REINFORCING**

09/08/2004
SGD ALUM & STL REINF

PANEL WIDTH >>	24	30	36	48
PANEL HEIGHT	80	85	71	62
96	69	57	49	40

TEST REPORT NO: ATI-52112.01-122-47

DESIGN PRESSURE ACHIEVED IN TEST: POS. & NEG. 40.0 PSF

WATER TEST PRESSURE:

1-3/8 IN. SILL RISER: 3.75 PSF

1-7/8 IN. SILL RISER: 6.0 PSF

2-5/8 IN. SILL RISER: 9.0 PSF

OVERALL TEST SIZE: 12'-0" X 8'-0" NOMINAL

OVERALL PANEL SIZE: 48 IN. X 96 IN. NOMINAL
GLAZING: SINGLE PG. OF 3/16 IN. THK. TEMPERED GLASS
REINFORCING: STEEL IN INTERLOCKING STILES AND
INTERMEDIATE JAMB. ADDITIONAL ALUM. REINFORCING
ON EXTERIOR OF OPERATING INTERLOCK STILE.
CONFIGURATION: XOX

LIMITATIONS:

THE ABOVE ARE POSITIVE AND NEGATIVE STRUCTURAL DESIGN LOADS FROM COMPARATIVE ANALYSIS
& HAVE NOT BEEN CAPPED BY RESULTS OF WATER PERFORMANCE TESTING.

WHERE LOCAL CODE REQUIRES WATER RESISTANCE TESTING TO PASS A MIN. 15% OF DESIGN PRESSURE,
ALLOWABLE POSITIVE DESIGN PRESSURE WOULD BE CAPPED AS FOLLOWS:

WHERE 1-3/8 IN. SILL RISER IS EMPLOYED POSITIVE DESIGN PRESSURE IS CAPPED AT 25.0 PSF.

WHERE 1-7/8 IN. SILL RISER IS EMPLOYED POSITIVE DESIGN PRESSURE IS CAPPED AT 40.0 PSF.

WHERE 2-5/8 IN. SILL RISER IS EMPLOYED POSITIVE DESIGN PRESSURE IS CAPPED AT 60.0 PSF.

PANEL WIDTHS AND HEIGHTS ARE NOMINAL, IN INCHES.

PREPARED BY:

PRODUCT TECHNOLOGY CORPORATION

1150 LOUISIANA AVENUE, SUITE 6

WINTER PARK, FLORIDA 32789

PHONE 407 622-6334 FAX 407 622-6335

www.ptc-corp.com



MI WINDOWS AND DOORS, INC.
420 / 430 / 440 SERIES ALUMNUM SLIDING GLASS DOOR
COMPARATIVE ANALYSIS CHART IN DESIGN PRESSURE

09/08/2004
 SGD non-Reinf

PANEL WIDTH	>>	24	30	36	48	60
PANEL HEIGHT	80	64	54	47	39	35

TEST REPORT NO: AT1-52112.01-122-47
 DESIGN PRESSURE ACHIEVED IN TEST: POS. & NEG. 35.0 PSF
 WATER TEST PRESSURE:

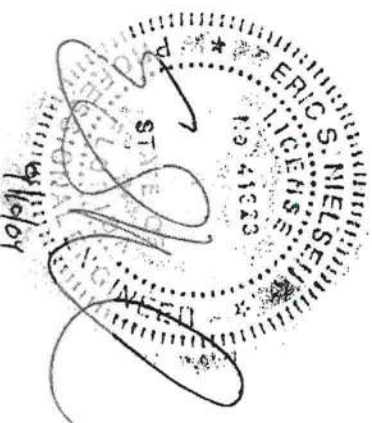
1-3/8 IN. SILL RISER: 3.75 PSF
 1-7/8 IN. SILL RISER: 6.0 PSF
 2-5/8 IN. SILL RISER: 9.0 PSF

OVERALL SIZE TESTED: 15'-0" X 6'-8" NOMINAL
 OVERALL PANEL SIZE TESTED: 5'-0" X 6'-8" NOMINAL
 GLAZING: SINGLE PC. OF 3/16 IN THICK TEMP. GLASS
 REINFORCING: NONE
 CONFIGURATION TESTED: XXO

LIMITATIONS:

THE ABOVE ARE POSITIVE AND NEGATIVE STRUCTURAL DESIGN LOADS FROM COMPARATIVE ANALYSIS & HAVE NOT BEEN CAPPED BY RESULTS OF WATER PERFORMANCE TESTING.
 WHERE LOCAL CODE REQUIRES WATER RESISTANCE TESTING TO PASS A MIN. 15% OF DESIGN PRESSURE, ALLOWABLE POSITIVE DESIGN PRESSURE WOULD BE CAPPED AS FOLLOWS:
 WHERE 1-3/8 IN. SILL RISER IS EMPLOYED, POSITIVE DESIGN PRESSURE = 25.0 PSF
 WHERE 1-7/8 IN. SILL RISER IS EMPLOYED, POSITIVE DESIGN PRESSURE = 40.0 PSF
 WHERE 2-5/8 IN. SILL RISER IS EMPLOYED, POSITIVE DESIGN PRESSURE = 60.0 PSF
 PANEL WIDTHS AND HEIGHTS ARE NOMINAL, IN INCHES.

PREPARED BY:
PRODUCT TECHNOLOGY CORPORATION
 1150 LOUISIANA AVENUE, SUITE 6
 WINTER PARK, FLORIDA 32789
 PHONE 407 622-6334 FAX 407 622-6335
 www.ptc-corp.com



MI WINDOWS AND DOORS, INC.

420 / 430 / 440 SERIES ALUMINUM SLIDING GLASS DOOR

COMPARATIVE ANALYSIS CHART IN DESIGN PRESSURE

STEEL REINFORCED

09/08/2004

SGD STL REINF

PANEL WIDTH	>>	24	30	36	48	60
PANEL HEIGHT						
80		61	51	44	37	33
96		49	41	35	29	25

TEST REPORT NO: ATL-52112.01-122-47

DESIGN PRESSURE ACHIEVED IN TEST: POS. & NEG. 25.0 PSF

WATER TEST PRESSURE:

1-3/8 IN. SILL RISER: 3.75 PSF

1-7/8 IN. SILL RISER: 6.0 PSF

2-5/8 IN. SILL RISER: 9.0 PSF

OVERALL SIZE TESTED: 15'-0" X 8'-0" NOMINAL

OVERALL PANEL SIZE TESTED: 60 IN. X 96 IN. NOMINAL

GLAZING: SINGLE PC. OF 3/16 IN. THK. TEMPERED GLASS

REINFORCING: STEEL IN INTERLOCKING STILES, AND

FIXED INTERMEDIATE JAMB

CONFIGURATION TESTED: OXX

LIMITATIONS:

THE ABOVE ARE POSITIVE AND NEGATIVE STRUCTURAL DESIGN LOADS FROM COMPARATIVE ANALYSIS & HAVE NOT BEEN CAPPED BY RESULTS OF WATER PERFORMANCE TESTING.

WHERE LOCAL CODE REQUIRES WATER RESISTANCE TESTING TO PASS A MIN. 15% OF DESIGN PRESSURE, ALLOWABLE POSITIVE DESIGN PRESSURE WOULD BE CAPPED AS FOLLOWS:

WHERE 1-3/8 IN. SILL RISER IS EMPLOYED, POSITIVE DESIGN PRESSURES ARE CAPPED AT 25.0 PSF.

WHERE 1-7/8 IN. SILL RISER IS EMPLOYED, POSITIVE DESIGN PRESSURES ARE CAPPED AT 40.0 PSF.

WHERE 2-5/8 IN. SILL RISER IS EMPLOYED, POSITIVE DESIGN PRESSURES ARE CAPPED AT 60.0 PSF.

PANEL WIDTHS AND HEIGHTS ARE NOMINAL, IN INCHES.

PREPARED BY:

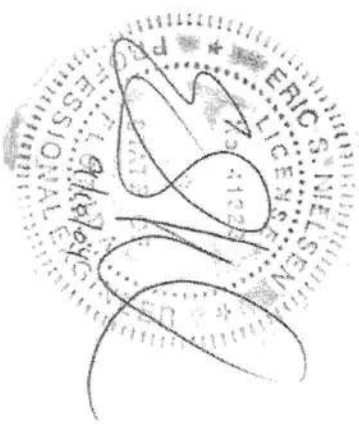
PRODUCT TECHNOLOGY CORPORATION

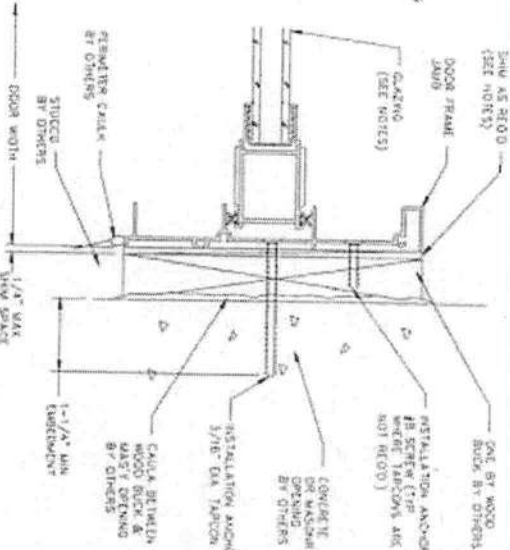
1150 LOUISIANA AVENUE, SUITE 6

WINTER PARK, FLORIDA 32789

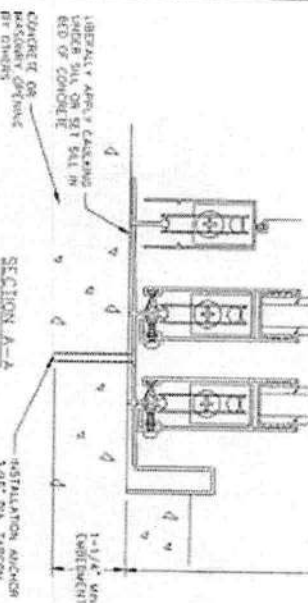
PHONE 407 622-6334 FAX 407 622.6335

www.ptc-corp.com

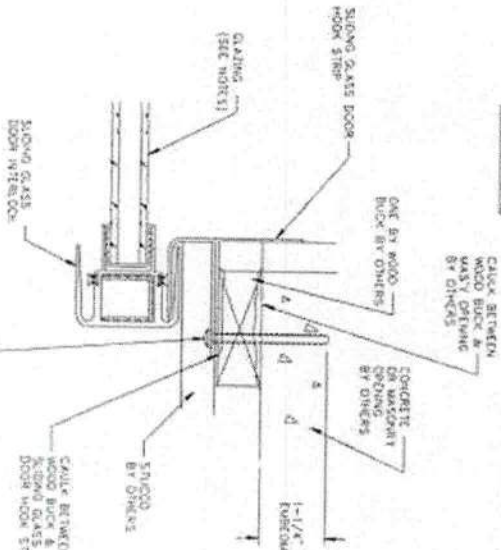




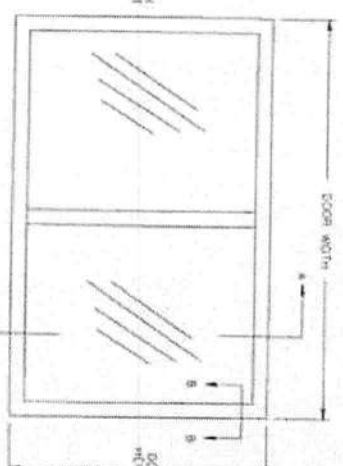
TAPCON INSTALLATION CHART

[illegible]

SECTION B-1



MOOK STRIP DETAIL



EXTERIOR ELEVATION

MI HOME PRODUCTS
GRATZ, PA.

420/430/440 SLIDING GLASS DOOR
ATION WITH TABS

DATE	TIME	LOCATION
12/1	11:00	1000

1	total	200
2	NY S	100

82	40	135
----	----	-----

SUE ISA KATHRON, Florida 32748 Phone 407 825-0365 Fax 407

Residential System Sizing Calculation

Summary

Project Title:
Ed & Judy Foster

Lake City, FL 32025-

Class 3 Rating
Registration No. 0
Climate: North

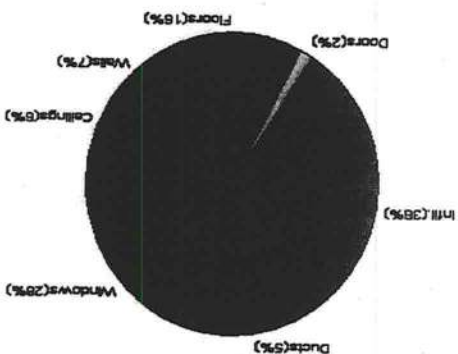
12/1/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	24 F
Total heating load calculation	34385 Btuh	Total cooling load calculation	42545 Btuh
Submitted heating capacity	41000 Btuh	Submitted cooling capacity	41000 Btuh
Submitted as % of calculated	119.2 %	Submitted as % of calculated	96.4 %

WINTER CALCULATIONS

Winter Heating Load (for 2670 sqft)

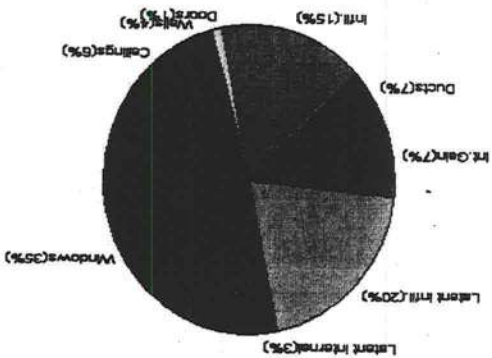
Load component		
Window total	341 sqft	9650 Btuh
Wall total	1147 sqft	2517 Btuh
Door total	38 sqft	536 Btuh
Ceiling total	1675 sqft	2178 Btuh
Floor total	178 ft	5625 Btuh
Infiltration	285 cfm	12242 Btuh
Subtotal		32748 Btuh
Duct loss		1637 Btuh
TOTAL HEAT LOSS		34385 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2670 sqft)

Load component		
Window total	341 sqft	14994 Btuh
Wall total	1147 sqft	1826 Btuh
Door total	38 sqft	492 Btuh
Ceiling total	1675 sqft	2647 Btuh
Floor total	0	0 Btuh
Infiltration	250 cfm	6592 Btuh
Internal gain		3000 Btuh
Subtotal(sensible)		29551 Btuh
Duct gain		2955 Btuh
Total sensible gain		32506 Btuh
Latent gain(infiltration)		8660 Btuh
Latent gain(internal)		1380 Btuh
Total latent gain		10040 Btuh
TOTAL HEAT GAIN		42545 Btuh



EnergyGauge® FLR1PB v3.22

EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: _____
DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Project Title:
Ed & Judy Foster

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

12/1/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	W	45.0	28.3	1274 Btuh
2	2, Clear, Metal, DEF	W	40.0	28.3	1132 Btuh
3	2, Clear, Metal, DEF	W	18.0	28.3	509 Btuh
4	2, Clear, Metal, DEF	SW	10.0	28.3	283 Btuh
5	2, Clear, Metal, DEF	NW	10.0	28.3	283 Btuh
6	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
7	2, Clear, Metal, DEF	W	6.0	28.3	170 Btuh
8	2, Clear, Metal, DEF	E	6.0	28.3	170 Btuh
9	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
10	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
11	2, Clear, Metal, DEF	E	22.0	28.3	623 Btuh
12	2, Clear, Metal, DEF	S	4.0	28.3	113 Btuh
13	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
14	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
15	2, Clear, Metal, DEF	S	12.0	28.3	340 Btuh
16	2, Clear, Metal, DEF	W	24.0	28.3	679 Btuh
17	2, Clear, Metal, DEF	N	12.0	28.3	340 Btuh
18	2, Clear, Metal, DEF	N	12.0	28.3	340 Btuh
Window Total					
341					
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	19.0	1037	2.3	2385 Btuh
2	Frame - Adjacent	19.0	110	1.2	132 Btuh
Wall Total					
1147					
Doors	Type	Area X	HTM=	Load	
1	Insulated - Adjac	18	9.4	169 Btuh	
2	Insulated - Exter	20	18.3	367 Btuh	
Door Total					
38					
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1675	1.3	2178 Btuh
Ceiling Total					
1675					
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	178.0 ft(p)	31.6	5625 Btuh
Floor Total					
178					
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	21360(sqft)	285	12242 Btuh
	Mechanical			0	0 Btuh
Infiltration Total					
285					

Totals for Heating		
Subtotal	Duct Loss(using duct multiplier of 0.05)	1637 Btuh
	EnergyGauge® FLR1PB v3.22	34385 Btuh
	Total Btuh Loss	32748 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Ed & Judy Foster

Lake City, FL 32025-

Class 3 Rating
Registration No. 0
Climate: North

12/1/2005

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 - Manual J Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Project Title:
Ed & Judy Foster

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 12/1/2005

Window										Walls										Doors										Ceilings										Floors										Infiltration										Internal gain																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title: Ed & Judy Foster
 Class 3 Rating
 Registration No. 0
 Climate: North
 Lake City, FL 32025-
 12/1/2005

Totals for Cooling		Subtotal
Duct gain(using duct multiplier of 0.10)	2955 Btuh	29551 Btuh
Total sensible gain	32506 Btuh	
Latent infiltration gain (for 51 gr. humidity difference)	8660 Btuh	
Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh	
Latent other gain	0 Btuh	
TOTAL GAIN	42545 Btuh	

Key: Window types (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/Daperies(B) or Roller Shades(R))
 (ExSh - Exterior shading device: none(N) or numerical value)
 (Omt - compass orientation)

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525
(exp. 10/31/2005)

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, FHA, or VA.

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

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace
Company Business License No. JB109476
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Ed Foster
Company Phone No. 754-2810

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip): 470 SE Morris Ditch Ln Lake City, FL 320

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Inside ☐ Other ☐ Type of Fill Sand

Approximate Depth of Footing: 1' Outside 3' Inside

Section 4: Treatment Information

Date(s) of Treatment(s): 2/7/06
Brand Name of Product(s) Used: Terminator
EPA Registration No. 7969-210
Approximate Final Mix Solution % 0.6%
Approximate Size of Treatment Area: Sq. ft. 2218
Approximate Total Gallons of Solution Applied 645 gals
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 _____
Name of Applicator(s): S. Gregory
Certification No. (if required by State law) JE104376

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 _____

Date 2/7/06

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-365-0671

JUNE 7, 2007

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX# 386-758-2160

RE:PERMIT #23981 470 S. E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

WE ARE WRITING TO ASK FOR AN TIME EXTENSION TO THE
ABOVE BUILDING PERMIT. WE UNDERSTAND THAT IT WILL BE
FOR 90 DAYS AND THAT IF WE NEED MORE TIME, WE WILL
HAVE TO ASK FOR ANOTHER 90 DAY EXTENSION.

THANKS FOR YOUR HELP.

BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-365-0671

SEPTEMBER 6, 2007

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX# 386-758-2160

RE:PERMIT #23981 470 S. E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

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HAVE TO ASK FOR ANOTHER 90 DAY EXTENSION.

THANKS FOR YOUR HELP.

BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-365-0671

DECEMBER 5, 2007

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX# 386-758-2160

RE:PERMIT #23981 470 S. E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

WE ARE WRITING TO ASK FOR AN TIME EXTENSION TO THE
ABOVE BUILDING PERMIT. WE UNDERSTAND THAT IT WILL BE
FOR 90 DAYS AND THAT IF WE NEED MORE TIME, WE WILL
HAVE TO ASK FOR ANOTHER 90 DAY EXTENSION.

THANKS FOR YOUR HELP.

BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-365-0671

MARCH 4, 2008

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX# 386-758-2160

RE:PERMIT #23981 470 S. E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

WE ARE WRITING TO ASK FOR AN TIME EXTENSION TO THE
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THANKS FOR YOUR HELP.

BEST REGARDS,



ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-365-0671

JUNE 5, 2008

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX# 386-758-2160

RE:PERMIT #23981 470 S. E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

WE ARE WRITING TO ASK FOR AN TIME EXTENSION TO THE
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BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL 32056
386-365-0671

SEPTEMBER 5, 2008

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL 32055
386-758-1008 FAX# 386-758-2160

RE:PERMIT #23981 470 S. E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

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BEST REGARDS,



ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-365-0671

DECEMBER 4, 2008

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055

386-758-1008 FAX# 386-758-2160

RE: PERMIT #23981 470 S. E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

WE ARE WRITING TO ASK FOR AN TIME EXTENSION TO THE
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BEST REGARDS,



ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-365-0671
MARCH 5, 2009

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX# 386-758-2160

RE: PERMIT #23981 470 S. E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

WE ARE WRITING TO ASK FOR AN TIME EXTENSION TO THE
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THANKS FOR YOUR HELP.

BEST REGARDS,



ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-365-0671

JUNE 5, 2009

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX# 386-758-2160

RE:PERMIT #23981 470 S. E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

WE ARE WRITING TO ASK FOR AN TIME EXTENSION TO THE
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THANKS FOR YOUR HELP.

BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-365-0671

SEPTEMBER 5, 2009

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX# 386-758-2160

RE: PERMIT #23981 470 S. E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

WE ARE WRITING TO ASK FOR AN TIME EXTENSION TO THE
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FOR 90 DAYS AND THAT IF WE NEED MORE TIME, WE WILL
HAVE TO ASK FOR ANOTHER 90 DAY EXTENSION.

THANKS FOR YOUR HELP.

BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-365-0671

DECEMBER 10, 2009

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055

386-758-1008 FAX# 386-758-2160

RE: PERMIT #23981 470 S. E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

WE ARE WRITING TO ASK FOR AN TIME EXTENSION TO THE
ABOVE BUILDING PERMIT. WE UNDERSTAND THAT IT WILL BE
FOR 90 DAYS AND WE HOPE THAT THIS SHOULD BE THE LAST
EXTENSION THAT WE WILL NEED.

THANKS FOR YOUR HELP.

BEST REGARDS,

ED & JUDY FOSTER

Edward & Judith Foster
P.O. Box 2803
Lake City, FL 32056
386-984-2492

March 1, 2010

Columbia County Building Dept.
Courthouse Annex
Lake City, FL 32055
386-758-1008 Fax#386-758-2160

Re: Permit #233981 470 S.E. Myrtis Dorch Terr.

Columbia County Building Dept.:

We are writing to ask for a time extension to the above building permit. We understand that it will be for 90 days and that if we need more time, we will have to ask for another 90 day extension. We hope that will not be necessary but we have had some health and other issues. We still need cabinets, sinks, appliances, flooring, tile, doors, base and other items. We are working to get these ordered and installed as soon as we possibly can.

Thanks for your patience.

Best Regards,

Ed & Judy Foster

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492
JUNE 1, 2010

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE:PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

WE ARE ONCE AGAIN WRITING TO ASK FOR A TIME EXTENSION TO THE
ABOVE BUILDING PERMIT. WE UNFORTUNATELY HAVE NOT BEEN
ABLE TO GET ANY ADDITIONAL WORK DONE ON THE HOUSE DUE TO
HEALTH AND OTHER PROBLEMS INCURRED IN THE LAST SEVERAL MONTHS.
WE DO FEEL THAT WE WILL SOON BE ABLE TO PROCEED.
WE UNDERSTAND THAT THE EXTENSION IS FOR 90 DAYS AND THAT IF WE
NEED MORE TIME, WE WILL HAVE TO ASK FOR ANOTHER 90 DAY
EXTENSION.

AGAIN, THANKS FOR YOUR HELP AND UNDERSTANDING.

BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

AUGUST 30, 2010

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

WE ARE ONCE AGAIN WRITING TO ASK FOR A TIME EXTENSION TO THE
ABOVE BUILDING PERMIT.

WE UNDERSTAND THAT THE EXTENSION IS FOR 90 DAYS AND THAT IF WE
NEED MORE TIME, WE WILL HAVE TO ASK FOR ANOTHER 90 DAY
EXTENSION.

AGAIN, THANKS FOR YOUR HELP AND UNDERSTANDING.

BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

DECEMBER 4, 2010

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE:PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

WE ARE ONCE AGAIN WRITING TO ASK FOR A TIME EXTENSION TO THE
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AGAIN, THANKS FOR YOUR HELP AND UNDERSTANDING.

BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

MARCH 7, 2011

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE:PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

WE ARE ONCE AGAIN WRITING TO ASK FOR A TIME EXTENSION TO THE
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AGAIN, THANKS FOR YOUR HELP AND UNDERSTANDING.

BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

JUNE 4, 2011

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE:PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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AGAIN, THANKS FOR YOUR HELP AND UNDERSTANDING.

BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

SEPTEMBER 3, 2011

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

MARCH 4, 20012

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE:PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

WE ARE ONCE AGAIN WRITING TO ASK FOR A TIME EXTENSION TO THE
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AGAIN, THANKS FOR YOUR HELP AND UNDERSTANDING.

BEST REGARDS,



ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

SEPTEMBER 5, 20012

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE:PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

WE ARE ONCE AGAIN WRITING TO ASK FOR A TIME EXTENTION TO
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BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

MARCH 3, 2013

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

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BEST REGARDS,

ED & JUDY FOSTER

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P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

JUNE 3, 2013

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

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BEST REGARDS,



ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

MARCH 5, 2014

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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ED AND JUDY FOSTER

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P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

SEPTEMBER 3, 2013

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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ED AND JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-365-0671

MARCH 9, 2007

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX# 386-758-2160

RE: PERMIT #23981 470 S. E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.:

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BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

DECEMBER 6, 2013

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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ED AND JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

DECEMBER 2, 2014

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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ED AND JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

JUNE 4, 2015

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

SEPTEMBER 4, 2015

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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ED AND JUDY FOSTER

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P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

DECEMBER 4, 2015

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

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BEST REGARDS,



ED AND JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

SEPTEMBER 6, 2016

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

WE ARE ONCE AGAIN WRITING TO ASK FOR A TIME EXTENSION
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ED AND JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

DECEMBER 5, 2016

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

WE ARE ONCE AGAIN WRITING TO ASK FOR A TIME EXTENSION
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BEST REGARDS,



ED AND JUDY FOSTER

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P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

JUNE 5, 2017

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

SEPTEMBER 5, 2017

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

DECEMBER 4, 2017

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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BEST REGARDS,



ED AND JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

MARCH 4, 2019

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

WE ARE ONCE AGAIN WRITING TO ASK FOR A TIME EXTENSION
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BEST REGARDS,



ED AND JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

JUNE 4, 2018

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

WE ARE ONCE AGAIN WRITING TO ASK FOR A TIME EXTENTION
TO THE ABOVE BUILDING PERMIT.
WE UNDERSTAND THAT THE EXTENTION IS FOR 90 DAYS AND
THAT IF WE NEED MORE TIME WE WILL HAVE TO ASK FOR
ANOTHER 90 DAY EXTERNTION.

AGAIN, THANKS FOR YOUR HELP AND UNDERSTANDING.

BEST REGARDS,



ED AND JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

DECEMBER 5, 2018

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

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P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

JUNE 3, 2019

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981-470 S.E. MYRTIS DORTCH TERR.

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ED AND JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

DECEMBER 6, 20012

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

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ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492
JUNE 4, 20012

COLUMBIA COUNTY BUILDING DEPT.
COURTHOUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE:PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

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BEST REGARDS,

ED & JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

MARCH 3, 2015

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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BEST REGARDS,



ED AND JUDY FOSTER

EDWARD & JUDITH FOSTER
P.O. BOX 2803
LAKE CITY, FL. 32056
386-984-2492

SEPTEMBER 4, 2018

COLUMBIA COUNTY BUILDING DEPT.
COUTHUSE ANNEX
LAKE CITY, FL. 32055
386-758-1008 FAX # 386-758-2160

RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

COLUMBIA COUNTY BUILDING DEPT.

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RE: PERMIT #23981 470 S.E. MYRTIS DORTCH TERR.

386-758-1008 FAX # 386-758-2160

LAKE CITY, FL. 32055

135 N.E. HERNANDO AVE.

COLUMBIA COUNTY BUILDING DEPT.
BASEMENT-COURTHOUSE ANNEX

DECEMBER 4, 2019

386-984-0345

LAKE CITY, FL. 32056

P.O. BOX 2803

EDWARD FOSTER

ED: MOBILE
365-0671

From Will Myers
3

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

Reference to: Build permit application Number: **0512-01**

Edward Foster Owner/Builder 470 SE Myrtis Dorch Terr.

On the date of December 2, 2005 application 0512-01 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0512-01 when making reference to this application.

1. Please submit a recorded (with the Columbia County Clerk Office) a notice of commencement before any inspections can be performed by the Columbia County Building Department.

2. Please submit a letter form the potable water well contractor which will describe the equipment to be used to supply potable water to this dwelling. Include the size of pump motor, size of pressure tank and cycle stop valve if used.

3. Please submit product approval specification and product approval number(s) as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 for all material which will be on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product

Known
Specs/
Garage Door
Specs

approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org.

4. Please submit a site plan including: dimensions of lot, dimensions of building set backs and location of all other buildings on lot, well and septic tank if applicable, and all utility easements.

5. Please verify that the second story emergency escape windows comply with the FRC-2004 section R310.1.1 Minimum opening area. All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.530 m²).

6. Please show compliance with the FRC-2004 section R308.4 Hazardous locations: Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface.

7. Please submit an engineered Truss layout plan and truss details signed and sealed by FL Pro. Eng. and also have Mr. Geisler review these truss layout plans to determine if any addition modification will be required to be made to the foundation plans.

8. Please have Mr. Geisler show the supporting header/beam size which will span the overhead garage door opening, also show the method of attachment and supporting design of this header/beam within the shear wall and at the foundation.

Thank you,

Joe Haliwanger

Joe Haliwanger
Plan Examiner

Columbia County Building Department

THIS HAS
BEEN ADDED
TO THE PLANS

THESE HAVE
BEEN NOTED
AS TEMPERED

THE SPECIFIED
2004 WINDOW
MEETS THIS
REQUIREMENT!

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Edward Foster Owner/Builder 470 SE Myrtis Dorch Terr.

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

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Joe Haltiwanger
Plan Examiner

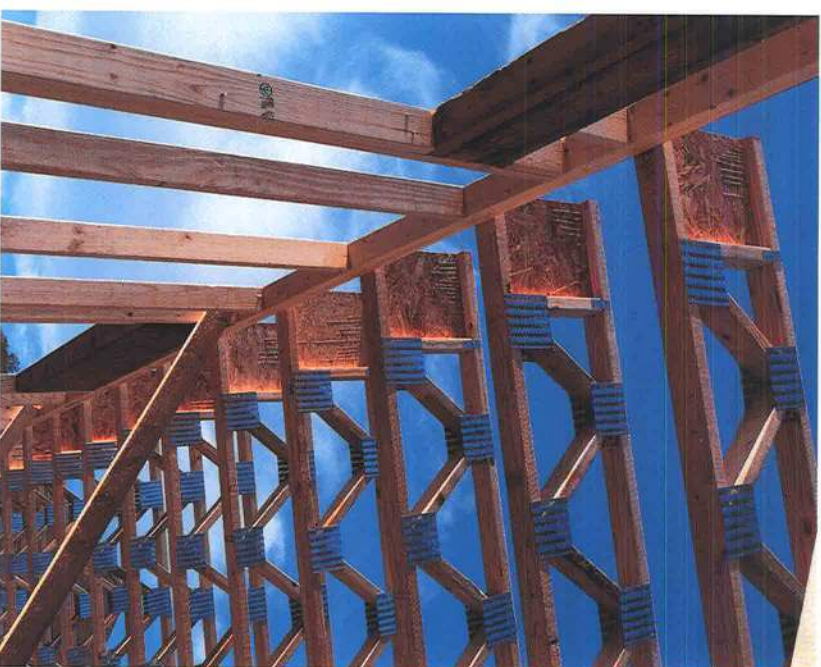
Columbia County Building Department

12-8-05

ON SITE Plan Submittal

Floor Application Guide

A product of the TrimJoist® Corporation
(800) 844-8281 • www.trimjoist.com



PRODUCTION TESTING. In addition to the rigorous testing performed on prototype units during the development phase of the TrimJoist®, all production runs are subject to periodic, random tests. These tests are conducted to the standards of the Truss Plate Institute (TPI) Test Truss Specification. No other production floor truss is subjected to such ongoing scrutiny and improvement.

ENVIRONMENT. The TrimJoist® design allows for the utilization of lumber from plantation-grown trees, thus sparing the "old-growth" forests that are necessary to produce all traditional wide-board joists. In addition, our engineered strength allows for longer spans and greater on-center spacing. This not only reduces construction costs, but can reduce the board footage of wood fiber required by up to 12% over traditional joists.

By design, approximately 40% of the TrimJoist® material content is from recycled sources. In addition, our manufacturing process recovers over 97% of its generated waste.

INNOVATION. The TrimJoist® is produced in stock lengths that range from 4' to 30', in standard 2-foot increments. Because each joist has 12-inches of trim at each end, a continuous range of spans is possible. Complex angled walls? No problem for the TrimJoist®.

The open web design of the TrimJoist® allows for the utilization of that valuable floor cavity space. It's now practical for duct work, wiring, and plumbing to be contained within this cavity. This eliminates unsightly and expensive furring. Free access to the floor cavity requires no cutting or notching that can severely impair the structural integrity of other joists products of inferior design.

SERVICE. Put simply, the TrimJoist® is the superior product for floor joist applications. To aid architects, building designers, and contractors we offer toll-free access to a TrimJoist® representative. By simply calling (800) 844-8281 you can gain immediate assistance with your question or framing issue.

SILENCE. The TrimJoist® provides a full 3-1/2" wide surface for the proper nailing and gluing of subfloor materials. By providing such a wide surface, the TrimJoist® allows the builder to use subfloor framing tolerances that will prevent squeaks. The wide surface also allows for the application of sufficient glue to make the TrimJoist® and the subfloor truly act as a unified system.

QUALITY. The TrimJoist® addresses product consistency and product quality from three key perspectives:

DESIGN. The TrimJoist® was initially designed using the most capable structural engineers and computer software systems available from both inside and outside the forest products industry. This includes the PSA system from Purdue University as well as Rasna finite element software from Parametric Technology.

MATERIAL CONTROL. All raw material components are structurally rated by various independent agencies such as the Truss Plate Institute (TPI), Southern Pine Inspection Bureau (SPIB), American Plywood Association (APA), American Society for Testing and Materials (ASTM), and of course ANSI. In fact, all TrimJoist® floor trusses now conform to the new ANSI/APA-1995 standard. In addition, all lumber components of the TrimJoist® are subject to a strict "cull" process where questionable pieces are discarded before entering into the production process.

WARRANTY TrimJoist® Corporation warrants its products to be free from defects in material and workmanship as generally accepted in the industry. Said products are further warranted as to adequacy of design, provided products are used in strict accordance with TrimJoist® Corporation's then currently published design limits and are installed in a workmanlike manner. Said warranties do not apply in the event products are altered in any way other than intended by design. TrimJoist® Corporation's obligations under this warranty shall be limited to the replacement or repair of those products demonstrated to be defective. Such remedy shall constitute Customer's sole and exclusive remedy and customer, through the use of this product, agrees that no other remedy (including, but not limited to claims for INCIDENTAL, CONSEQUENTIAL or SPECIAL DAMAGES, OR ANY CAUSE, LOSS, ACTION, CLAIM OR DAMAGE, INCLUDING LOSS OF TIME WHATSOEVER, OR INJURY TO PERSONS OR PROPERTY OR ANY OTHER CONSEQUENTIAL DAMAGE OR INCIDENTAL OR ECONOMIC LOSS) shall be available to customer whether said claims be asserted on the basis of warranty, negligence, strict liability, or otherwise. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE. ALL OF SUCH OTHER WARRANTIES BEING HEREBY EXPRESSLY EXCLUDED.

U.S. Patent 5,761,872 • U.S. Patent 6,139,667 • Additional Patents Pending



Installation Details Available in CAD format at trimjoist.com and sweets.com

D1 RAFTER/FIRE CUT	D2 DECK CANTILEVER	D3 CANTILEVER
D4 CANTILEVER	D5 EXTERIOR KNEE WALL	D6 POINT LOAD APPLICATION
D7 HANGERED CANTILEVER	D8 STRONGBACK APPLICATION	D9 HANGERED/ JOIST TO JOIST
D10 HANGERED/ JOIST TO BEAM	D11 HANGERED/ BEAM TO JOIST	D12 FLUSH TO STEEL BEAM

LOAD TABLES AND DESIGN NOTES

The uniform load span charts below indicate the maximum design spans (including a 1-1/2" minimum bearing at each end) for each family of TrimJoist® floor joists. Each chart is divided into columns which represent common design loadings and rows which show typical spacings. Most residential designs require a minimum of 55 psf loading. Floors used for heavy traffic and/or heavy floor coverings (e.g. Tile) should be designed at 60 psf minimum. All loads are broken down into Live, Top-dead and Bottom-dead components. For example, the 55 psf column is really 40 psf live plus 10 psf top-dead plus 5 psf bottom-dead for a total of 55 psf. Dead loads are the weight of construction materials and are always present for the whole life of the structure. Live loads, on the other hand, are transient and are never constant over the life of the structure. Select the appropriate column based on the dead loads of your construction materials. These charts are for uniformly loaded, clear span, simply supported joists. For special applications requiring concentrated loads, asymmetric continuous loads, cantilevers, or special bearing conditions please consult a TrimJoist® representative or authorized dealer. The TPOS computer program can be used to analyze almost any loading and/or bearing condition.

Loading	55 PSF (40/10/5)	60 PSF (40/10/10)
11 1/4" Deep Spacing		
12	24'-0"	L/497
16	22'-0"	L/485
19.2	21'-2"	L/453
24	19'-7"	L/455
14" Deep Spacing		
12	26'-0"	L/633
16	26'-0"	L/475
19.2	24'-10"	L/453
24	23'-0"	L/452
16" Deep Spacing		
12	28'-0"	L/676
16	28'-0"	L/507
19.2	27'-4"	L/453
24	25'-5"	L/450
18" Deep Spacing		
12	30'-0"	L/710
16	30'-0"	L/532
19.2	29'-10"	L/451
24	27'-7"	L/468

Notes on Span Charts

- Spans are based on uniformly loaded joists and include allowances for repetitive use members.
- Live loads of 40 psf are assumed. Additional dead loads should be chosen based on construction materials.
- All TrimJoist® floor joists have a TOP orientation and should not be installed upside-down.
- Stiffness factors (L/xxx) assume a minimum 3/4-inch span-rated subfloor that has been both glued and nailed.
- Limit total reaction (per end) to that indicated in the Maximum Reaction Table at the right.
- Do not apply center supports, cantilevers, concentrated, or asymmetrical continuous loads without first consulting a TrimJoist® representative.

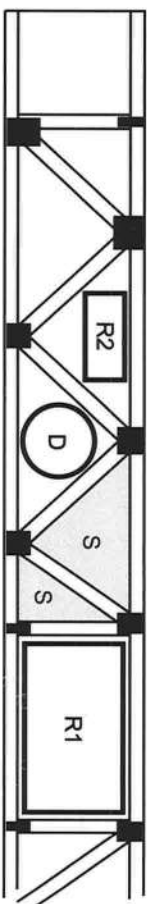
Maximum Reaction Table			
Width	1 1/2	3 1/2	5 1/2
Max	3000	3500	4000

Width is the width of the loaded wall above, or the bearing wall width whichever is less.

Note About Floor Stiffness: Floor performance is greatly influenced by joist stiffness. Experience has shown that a floor system designed to minimum code acceptance may not meet the expectations of discerning owners. TrimJoist® Corporation strongly recommends that floor spans be limited to those indicated in the charts above. The numbers in these charts far exceed minimum code requirements and are based on both gluing and nailing the subfloor. In cases where the subfloor is nailed only, spans remain the same, but the stiffness must be reduced by 20%. For optimal performance use screws in lieu of nails.

Opening Sizes

	J12	J14	J16	J18
H	11 1/4"	14"	16"	18"
D	5"	8"	9"	10"
R1	8x16	10x24	12x24	14x24
R2	4x9	4x10	4x12	4x14
	6x6	6x8	6x10	8x8



- All sizes given are in inches and denote maximum expected clearance.
- Rectangular opening (R1) is provided at centerline of stock length.
- Only opening D available in 4' stock length (one opening only).
- Only opening R1 available in 6' and 8' stock length.
- Openings R2 & D not applicable in shaded areas (S).

*OK 11 1/4"
June 1, 2004*

DO NOT cut any part of the TrimJoist® except for the TrimEnd® sections which are specifically designed to be field cut.

DO NOT remove, cut or alter any metal plate connector on the TrimJoist® without first consulting a factory engineer.

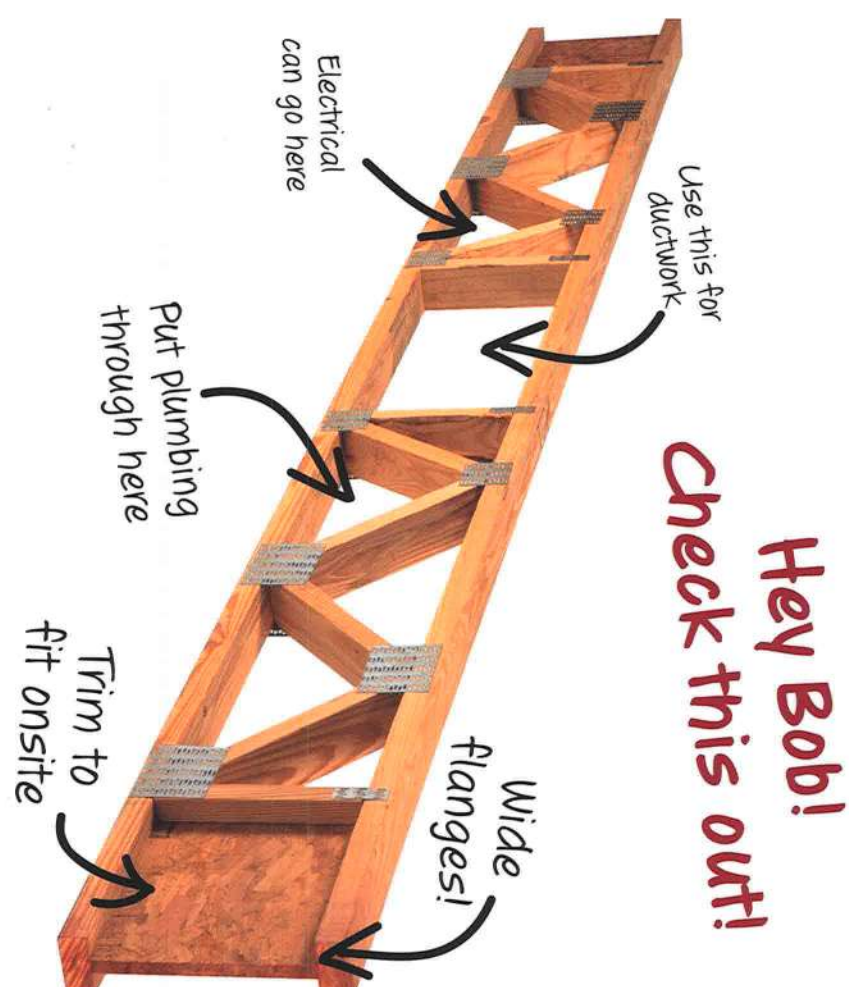
DO NOT install the TrimJoist® upside down without first consulting a TrimJoist® factory engineer.

DO NOT use a TrimJoist® as a header or beam except as may be instructed by a TrimJoist® engineer.

DO NOT allow the TrimJoist® to be supported by the top flange. All support must be from under the bottom flange.

DO NOT depend on 'toe nailing' to provide adequate support capacity for flush-mounted framing. Consult your local TrimJoist® dealer or a TrimJoist® factory engineer for proper hanger selection.

DO NOT apply special support or load conditions without first consulting a TrimJoist® representative.



Hey Bob!
Check this out!

Wood truss joists that can be trimmed at the jobsite

IT'S CONTRACTOR FRIENDLY.

The end sections can be trimmed onsite.

IT SAVES MONEY AND TIME.

With strut-webbing, there's no need for subcontractors to cut holes.

IT'S STRONGER.

You don't weaken the joist with holes.

IT HAS WIDE FLANGES.

With 3.5-inch flanges on the top and bottom, subfloor application is simple. Nailing and gluing are easier.

IT COMES WITH A GREAT TECHNICAL SUPPORT TEAM.

Just call our toll-free number for custom engineering.

1 800 844-8281

www.trimjoist.com

TrimJoist®

SEE US IN

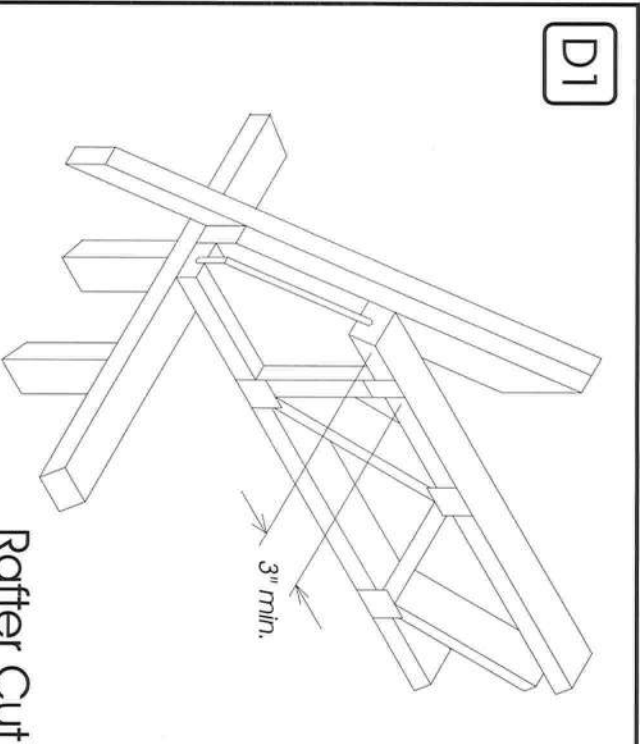


DIRECTORY CATALOG FILES

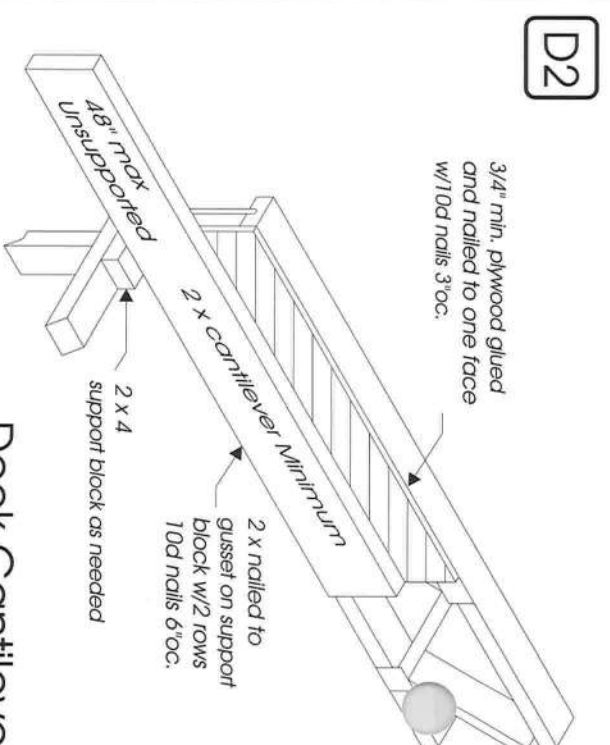


CD SHEETS.COM

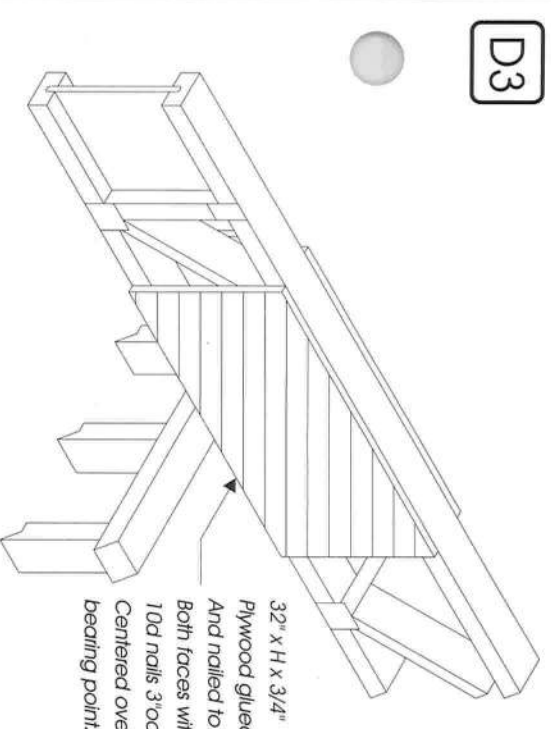
Copyright © 1997-2004 TrimJoist® Corporation - USA - All Rights Reserved
TrimJoist® and TrimEnd® are trademarks of the TrimJoist® Corporation. Printed in the USA.



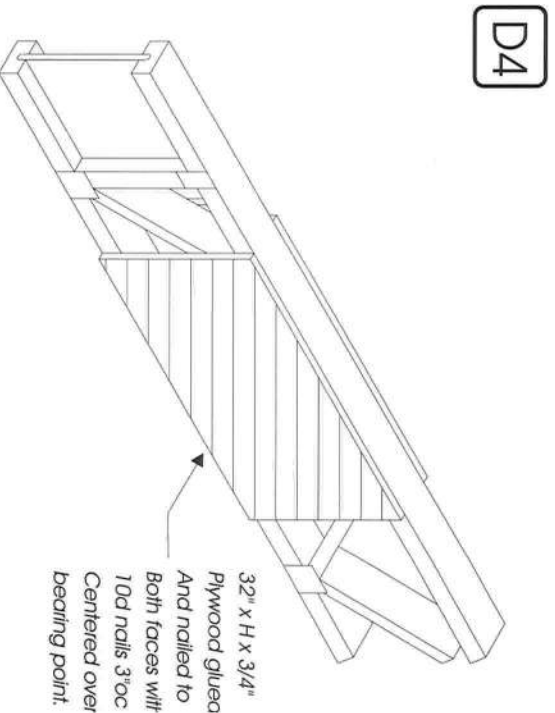
Rafter Cut



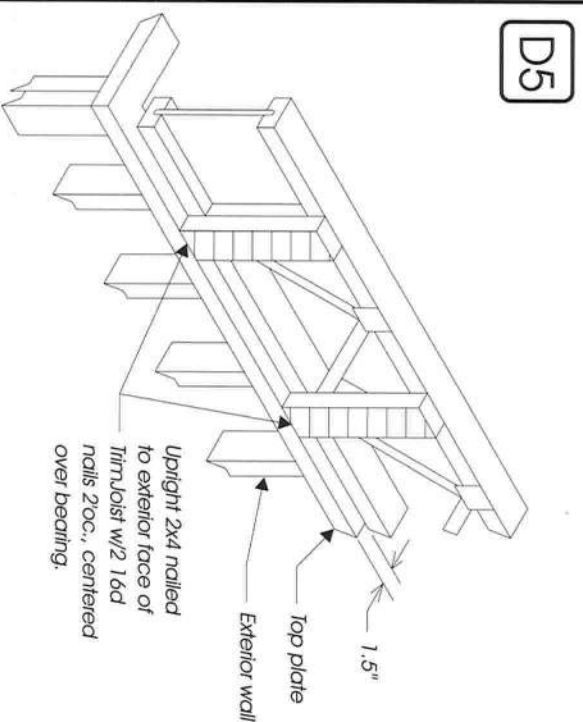
Deck Cantilever



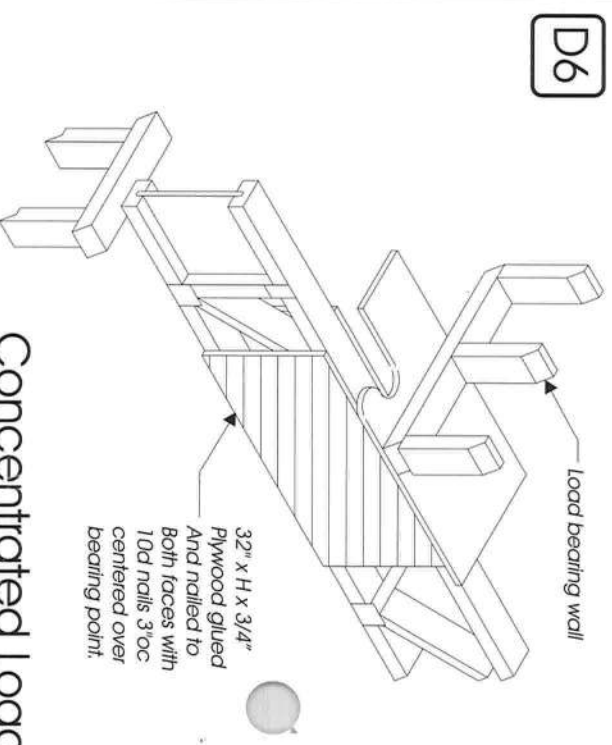
Typical Cantilever



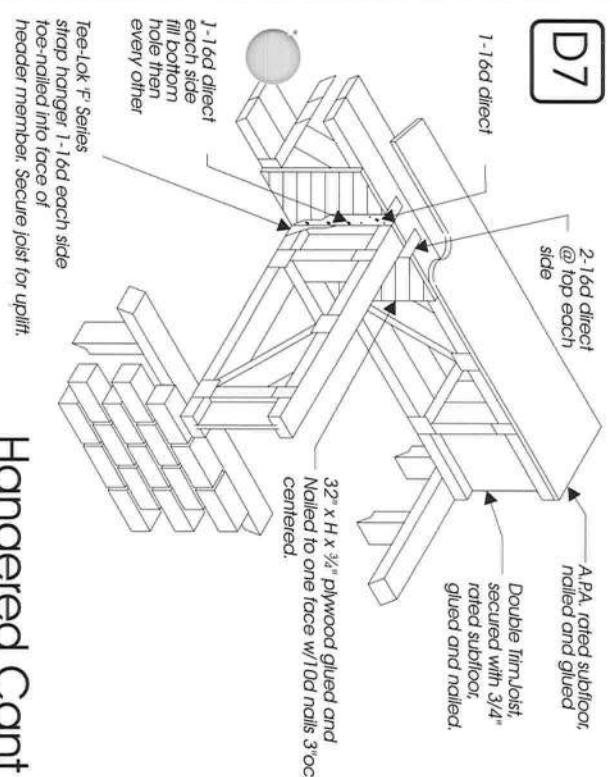
Typical Guss



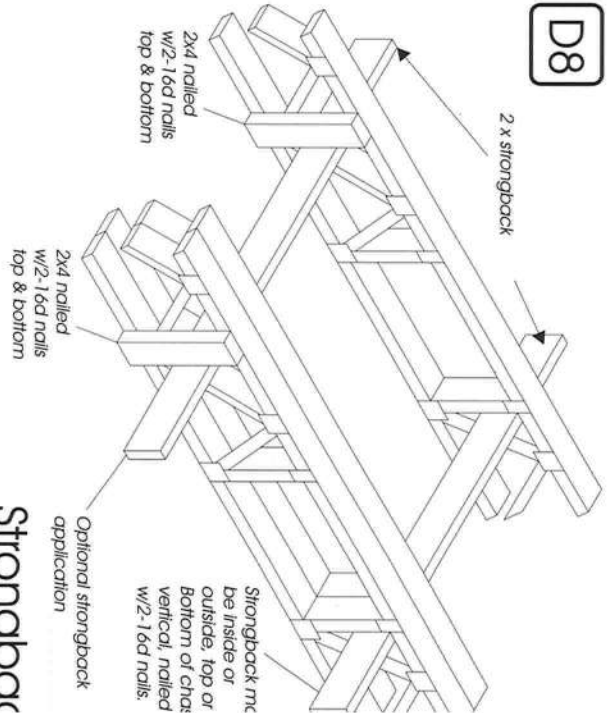
Exterior Knee Wall



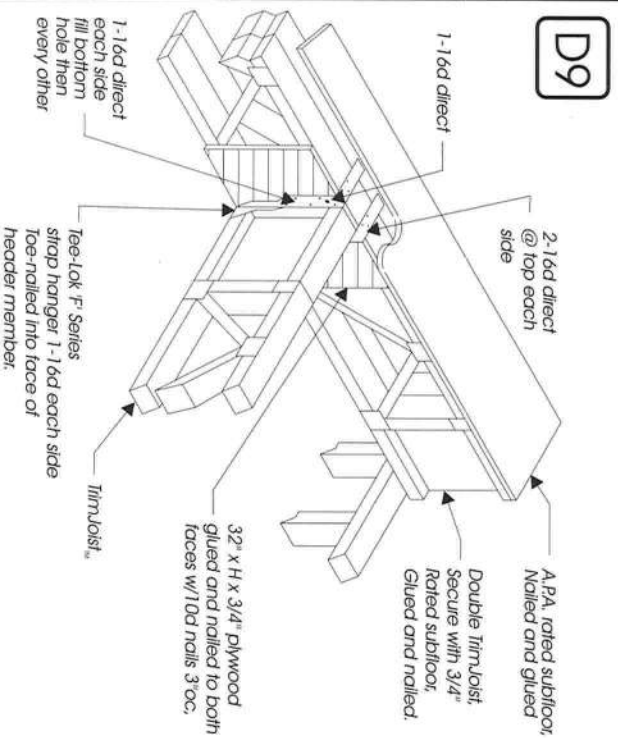
Concentrated Load



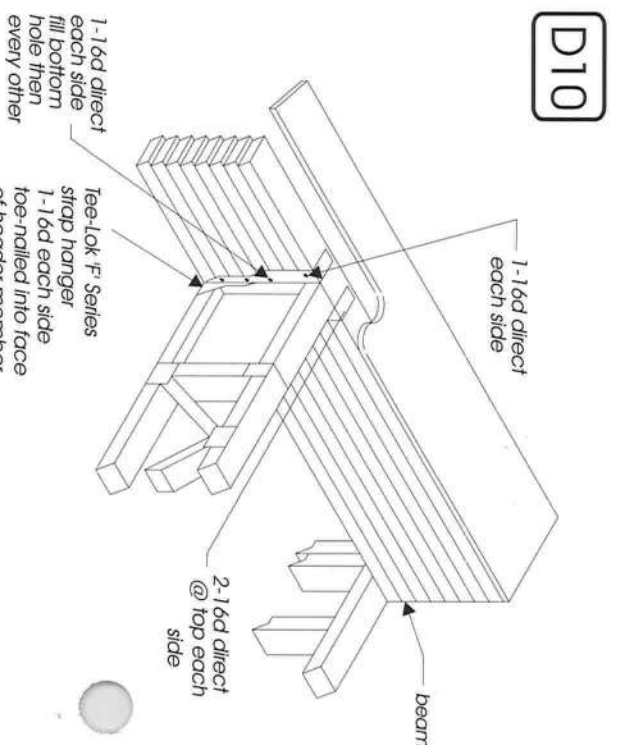
Hangered Cant



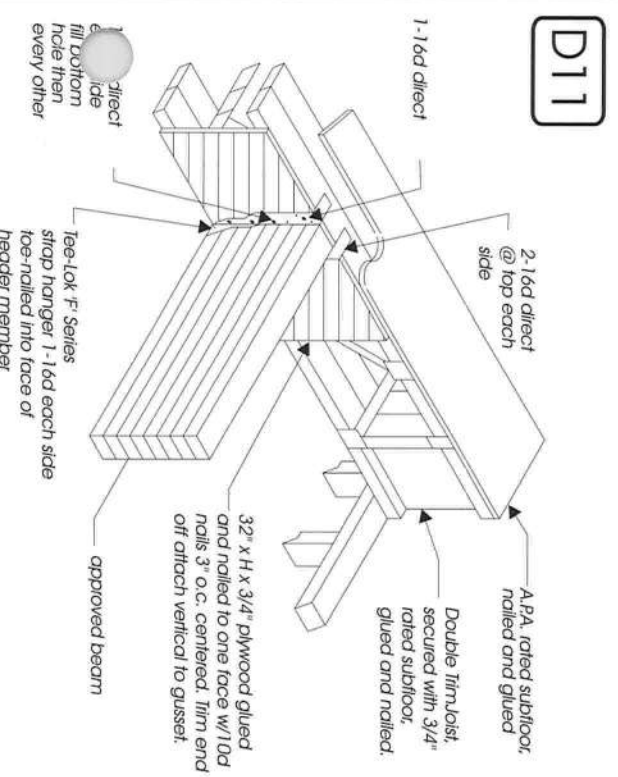
Strongbac



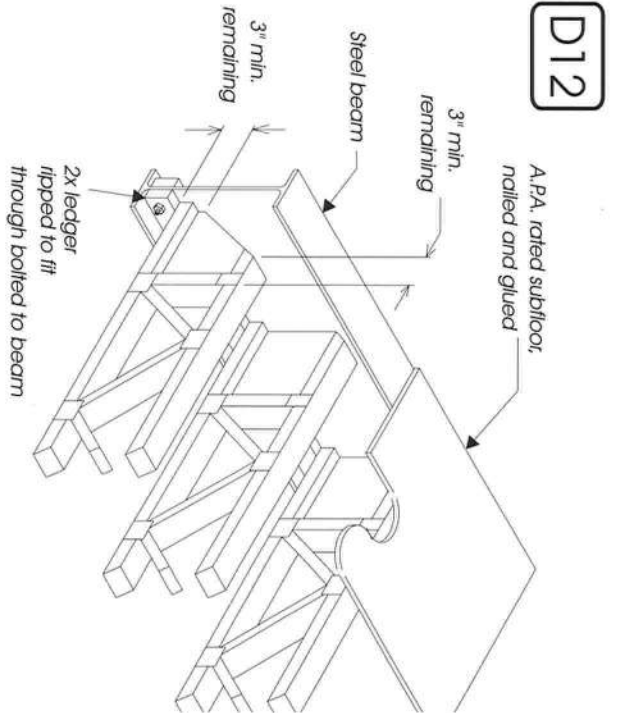
Joist Hangered



Beam Hangered



Hangered Beam



Flush to Ste

The *uniform load* span charts below indicate the maximum design spans (including a 1½" minimum bearing at each end) for each family of TrimJoist floor joists. Each chart is divided into columns which represent common design loadings and rows which show typical spacings. Most residential designs require a minimum of 55 psf loading. Floors used for heavy traffic and/or heavy floor coverings (e.g. Tile) should be designed at 60 psf minimum. All loads are broken down into *Live*, *Top-dead* and *Bottom-dead* components. For example, the 55 psf column is really 40 psf live plus 10 psf top-dead plus 5 psf bottom-dead for a total of 55 psf. Dead loads are the weight of construction materials and are always present for the whole life of the structure. Live loads, on the other hand, are transient and are never constant over the life of the structure. Select the appropriate column based on the dead loads of your construction materials. These charts are for *uniformly loaded, clear span, simply supported* joists. For special applications requiring concentrated loads, asymmetric continuous loads, cantilevers, or special bearing conditions please consult a TrimJoist representative or authorized dealer. The TPDs computer program can be used to analyze almost any loading and/or bearing condition.

11 ¼" Deep		55 PSF (40/10/5)		60 PSF (40/10/10)	
Loading		24' - 0" L/497		24' - 0" L/497	
Spacing	12	24' - 0" L/497	24' - 0" L/497	24' - 0" L/497	24' - 0" L/497
	16	22' - 0" L/485	22' - 0" L/485	22' - 0" L/485	22' - 0" L/485
	19.2	21' - 2" L/453	21' - 2" L/453	21' - 2" L/453	21' - 2" L/453
		19' - 7" L/455	19' - 7" L/455	19' - 7" L/455	19' - 7" L/455

14" Deep		55 PSF (40/10/5)		60 PSF (40/10/10)	
Loading		26' - 0" L/633		26' - 0" L/633	
Spacing	12	26' - 0" L/633	26' - 0" L/633	26' - 0" L/633	26' - 0" L/633
	16	26' - 0" L/475	26' - 0" L/475	26' - 0" L/475	26' - 0" L/475
	19.2	24' - 10" L/453	24' - 10" L/453	24' - 10" L/453	24' - 10" L/453
		23' - 0" L/452	22' - 0" L/517	22' - 0" L/517	22' - 0" L/517

16" Deep		55 PSF (40/10/5)		60 PSF (40/10/10)	
Loading		28' - 0" L/676		28' - 0" L/676	
Spacing	12	28' - 0" L/676	28' - 0" L/676	28' - 0" L/676	28' - 0" L/676
	16	28' - 0" L/507	28' - 0" L/507	28' - 0" L/507	28' - 0" L/507
	19.2	27' - 4" L/453	27' - 4" L/453	27' - 4" L/453	27' - 4" L/453
		25' - 5" L/450	25' - 5" L/450	25' - 5" L/450	25' - 5" L/450

18" Deep		55 PSF (40/10/5)		60 PSF (40/10/10)	
Loading		30' - 0" L/710		30' - 0" L/710	
Spacing	12	30' - 0" L/710	30' - 0" L/710	30' - 0" L/710	30' - 0" L/710
	16	30' - 0" L/532	30' - 0" L/532	30' - 0" L/532	30' - 0" L/532
	19.2	29' - 10" L/451	29' - 10" L/451	29' - 10" L/451	29' - 10" L/451
		27' - 7" L/468	27' - 3" L/473	27' - 3" L/473	27' - 3" L/473

Maximum Reaction Table

Width	1½"	3½"	5½"
Max	3000	3500	4000

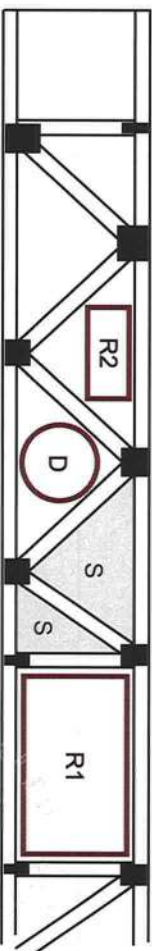
Width is the width of the loaded wall above, or the bearing wall width whichever is less.

- Notes on Span Charts:**
1. Spans are based on uniformly loaded joists and include allowances for repetitive use members.
 2. Live loads of 40 psf are assumed. Additional dead loads should be chosen based on construction materials.
 3. All TrimJoist floor joists have a TOP orientation and should not be installed upside-down.
 4. Stiffness factors (L/xxx) assume a minimum ¾-inch span-rated subfloor that has been both *glued* and *nailed*.
 5. Limit total reaction (per end) to that indicated in the Maximum Reaction Table at the right.
 6. Do not apply center supports, cantilevers, concentrated, or asymmetrical continuous loads without first consulting a TrimJoist representative.

A Note About Floor Stiffness: Floor performance is greatly influenced by joist stiffness. Experience has shown that a floor system designed to minimum code acceptance may not meet the expectations of discerning owners. TrimJoist Corporation strongly recommends that floor spans be limited to those indicated in the charts above. The numbers in these charts far exceed minimum code requirements and are based on both *gluing and nailing* the subfloor. In cases where the subfloor is nailed only, spans remain the same, but the stiffness must be reduced by 20%. For optimal performance use screws in lieu of nails.

Opening Sizes

	J12	J14	J16	J18
H	11 ¼"	14"	16"	18"
D	5"	8"	9"	10"
R1	8x16	10x24	12x24	14x24
R2	4x9	4x10	4x12	4x14
	6x6	6x8	6x10	8x8



1. All sizes given are in inches and denote maximum expected clearance.
2. Rectangular opening (R1) is provided at centerline of stock length.
3. Only opening D available in 4' stock length (one opening only).
4. Only opening R1 available in 6' and 8' stock length.
5. Openings R2 & D not applicable in shaded areas (S).

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Good Framing Practice...

- DO** Install TrimJoists right side up. TOP is stamped on the top of each joist.
- DO** Make sure that each TrimJoist bears on the bottom flange beneath the TrimEnd section or beneath the first metal plate if the TrimEnd section has been removed.
- DO** Use strongback stiffeners. Although not required for structural performance, strongback adds additional resistance to impact loadings.
- DO** Provide appropriate bearing width at each end of the TrimJoist. The required width can be found in the Maximum Reaction Table above. Use vertical web stiffeners where reactions exceed these values.
- DO** Use TrimJoist approved hangers for flush-mounted bearing conditions. These may be purchased from your local TrimJoist dealer.
- DO** Use an appropriately rated sub-floor that has been both glued and nailed/screwed to the top flange of the TrimJoist.
- DO** Consult your TrimJoist dealer or representative about special loading or bearing conditions not addressed in this Application Guide.

- DO NOT** cut any part of the TrimJoist except for the TrimEnd sections which are specifically designed to be field cut.
- DO NOT** remove, cut or alter any metal plate connector on the TrimJoist without first consulting a factory engineer.
- DO NOT** install the TrimJoist upside down without first consulting a TrimJoist factory engineer.
- DO NOT** use a TrimJoist as a header or beam except as may be instructed by a TrimJoist engineer.
- DO NOT** allow the TrimJoist to be supported by the top flange. All support must be from under the bottom flange.
- DO NOT** depend on "ice nailing" to provide adequate support capacity for flush-mounted framing. Consult your local TrimJoist dealer or a TrimJoist factory engineer for proper hanger selection.
- DO NOT** apply special support or load conditions without first consulting a TrimJoist representative.

TrimJoist™

Floor Application Guide

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ENVIRONMENT. The TrimJoist design allows for the utilization of lumber from plantation-grown trees, thus sparing the "old-growth" forests that are necessary to produce all traditional wide-board joists. In addition, our engineered strength allows for longer spans at greater on-center spacing. This not only reduces construction costs, but can reduce the board footage of wood fiber required by up to 12% over traditional joists.

By design, approximately 40% of the TrimJoist material content is from recycled sources. In addition, our manufacturing process recovers over 97% of the generated waste.

INNOVATION. The TrimJoist is produced in stock lengths that range from 4' to 30', in standard 2-foot increments. Because each joist has 12-inches of trim at each end, a continuous range of spans is possible. Complex angled walls? No problem for the TrimJoist.

The open web design of the TrimJoist allows for the utilization of that valuable floor cavity space. It's no practical for ductwork, wiring, and plumbing to be contained within this cavity. This eliminates unsightly and expensive furring. Free access to the floor cavity requires no cutting or notching that severely impairs the structural integrity of other joist products inferior design.

SERVICE. Put simply, the TrimJoist is the superior product for floor joist applications. To aid architects, building designers, and contractors we offer toll-free access to a TrimJoist representative. By simply calling (800) 844-8281 you can gain immediate assistance with your question or framing issue.



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