This Pe	ADIA COUNTY BUILD Commit Expires One Year From	the Date of Issue	PERMIT 000024425
APPLICANT MELANIE RODER		PHONE 623.7829	
ADDRESS 387 SW KEMP COU OWNER EDWARD HIGGS	LAKE C	PHONE 755.2678	FL 32024
ADDRESS 153 NW CR 25A	LAKE (—— FL 32055
CONTRACTOR DARRELL TURNER	LAKE	PHONE 755.0086	<u>1L</u> 32033
	ER OF MARION AVENUE & C-25-A		OMPLEY
<u>eow</u>	ER OF MARGON AVENUE & C-25-7	1 W 1 LL/XO/AVI 1 OHVI C	OWI DDA
TYPE DEVELOPMENT REROOF/APT	rs. ESTIMATED	COST OF CONSTRUCTION	ON 20000.00
HEATED FLOOR AREA	TOTAL AREA	HEIGHT	STORIES
FOUNDATION W	ALLS ROOF PITO	ЭН	FLOOR
LAND USE & ZONING		MAX. HEIGHT	
Minimum Set Back Requirments: STRE	ET-FRONT	REAR	SIDE
·			_
NO. EX.D.U. 1 FLOOD ZON	DEVELO	PMENT PERMIT NO.	
PARCEL ID 20-3S-17-05380-000	SUBDIVISION		
LOT BLOCK PHASE	UNIT	TOTAL ACRES	
		Check # o	r Cash 1527
Temporary Power	BUILDING & ZONING DEPA Foundation	ARTMENT ONLY Monolithic	(footer/Slab)
date/app. by	date/app	 	date/app. by
Under slab rough-in plumbing	Slab	Sheath	ing/Nailing
	e/app. by date.	/app. by	date/app. by
Framing date/app. by	Rough-in plumbing above slab ar	nd below wood floor	date/app. by
The state of the state of	Heat & Air Duct	D	
date/app. by	date/ar	Peri. beam (I	date/app. by
Permanent power date/app. by	C.O. Final	Culvert	
date/app. by M/H tie downs, blocking, electricity and plumb	date/app. by		date/app. by
	date/app. by	Pool	date/app. by
Reconnection date/app. by	Pump pole	Utility Pole	
	date/app. by Travel Trailer	date/ap	p. by
date/app. by	date/app. by		date/app. by
BUILDING PERMIT FEE \$ 100.00	CERTIFICATION FEE \$	0.00 SURCHA	RGE FEE \$ 0.00
	19		
	with earliers and the title of		
	THE	TEE \$ _0.00 W	ASTE FEE \$
FLOOD DEVELOPMENT FEE \$ F	LOOD ZONE FEE \$CULV		OTAL FEE 100.00

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.

Columbia County Building Permit Application

Revised 9-23-04

NOTICE OF COMMENCEMENT FORM **COLUMBIA COUNTY, FLORIDA**

*** THIS DOCUMENT MUST BE RECORDED AT THE COUNTY **CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.*****

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.

Description of property: (legal description of the pro	perty and street address or 911 address)
20-35-17-05380-000	, , , , , , , , , , , , , , , , , , , ,
153 NW CR 25A Lake (14/ FL 37055
\ ₇	 Inst:2006009238
	DC,P.DeWitt Cason,Columbia County B: 1080 P:
2. General description of improvement: reroof	
3. Owner Name & Address Edward Higgs	P.O. Box 238 Lake City, FL
32056	Interest in Property OWNER
4. Name & Address of Fee Simple Owner (if other than	owner): NA
- 	
5. Contractor Name Darrell Turner	Phone Number 386-755-0086
Address P.O. Box 3307 Lake Ci	ty. FL 32056
5. Surety Holders Name NA	Phone Number
Address	
Amount of Bond	
7. Lender Name <u>MA</u>	Phone Number
Address	
8. Persons within the State of Florida designated by the	e Owner upon whom notices or other documents may be
 Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida State 	e Owner upon whom notices or other documents may be atutes:
 Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida State 	e Owner upon whom notices or other documents may be atutes: Phone Number
B. Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida Standard Mame Name Address	e Owner upon whom notices or other documents may be atutes: Phone Number
3. Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida Standard Marie Name Name Address In addition to himself/herself the owner designates	e Owner upon whom notices or other documents may be atutes: Phone Number
8. Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida Standard Mame Name Address In addition to himself/herself the owner designates	e Owner upon whom notices or other documents may be atutes: Phone Number of
8. Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida Standard Name Name Name Name Name Name Name Name	e Owner upon whom notices or other documents may be atutes: Phone Number of
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8. Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida Standard Name Name Address 9. In addition to himself/herself the owner designates to receive a cope (a) 7. Phone Number of the designee 10. Expiration date of the Notice of Commencement (the	e Owner upon whom notices or other documents may be atutes: Phone Number
8. Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida Standards	e Owner upon whom notices or other documents may be atutes: Phone Number of op of the Lienor's Notice as provided in Section 713.13 (1) — e expiration date is 1 (one) year from the date of recording,
8. Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida Standards	e Owner upon whom notices or other documents may be atutes: Phone Number of op of the Lienor's Notice as provided in Section 713.13 (1) — e expiration date is 1 (one) year from the date of recording,
B. Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida Standards	e Owner upon whom notices or other documents may be atutes: Phone Number
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8. Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida Standards	e Owner upon whom notices or other documents may be atutes:
B. Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida Standard Name Name Notice of Commencement (the Unless a different date is specified)	e Owner upon whom notices or other documents may be atutes:
8. Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida State of Name Name Name Name Name Name Name Name	e Owner upon whom notices or other documents may be atutes:
8. Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida State of Name NAME Address 9. In addition to himself/herself the owner designates to receive a cope (a) 7. Phone Number of the designee 10. Expiration date of the Notice of Commencement (the (Unless a different date is specified) NOTICE AS PER CHAPTER 713, Florida Statutes: The owner must sign the notice of commencement and its signature of Owner	e Owner upon whom notices or other documents may be atutes:
8. Persons within the State of Florida designated by the served as provided by section 718.13 (1)(a) 7; Florida Standard Name	e Owner upon whom notices or other documents may be atutes:

THIS INSTRUMENT WAS PREPARED BY.

TERRY McDAVID 04-762 POST OFFICE BOX 1328 LAKE CITY, FL 32056-1328

RETURN TO:

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

Property Appraiser's Identification Number R05380-000

Inst:2004025246 Date:11/12/2004 Time:09:59

DC Stamp-Deed: 700.00
DC.P.Dewitt Casor.Columbia County 8:1030 P::149

WARRANTY DEED

This Warranty Deed, made this 3rd day of November, 2004, BETWEEN HACKHOLL, INC., a Florida corporation whose post office address is Post Office Box 2552, Lake City, Florida 32056, of the County of Columbia, State of Florida, grantor*, and EDWARD C. HIGGS and DONNA B. HIGGS, Husband and Wife whose post office address is Post Office Box 238, Lake City, Florida 32056, of the County of Columbia, State of Florida, grantee*.

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

AS DESCRIBED IN EXHIBIT "A" ATTACHED

N.B. For a period of time ending 99 years form this date the property described herein may not be used for any office for any persons or firms engaged in the criminal bail bond buisness.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Terry McDavid

(Typed Name of First Witness)

(Signature of Second

Lisa C. Ogburn

(Typed Name of Second Witness)

HACKHOLL, INC.

Dean Hackett,

Inst:2004025246 Date:11/12/2004 Time:09:59

Doc Stamp-Deed : 700.00

DC,P.Dewitt Cason,Columbia County 8:1030 P:1150

STATE OF Florida COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 3rd day of November, 2004, by Dean Hackett, President of HACKHOLL, INC., a Florida corporation, He is personally known to me and who did not take an oath.

#00 079305

My Commission Expires:

Notary Public

Printed, typed, or stamped name: AN COAVID

EXHIBIT "A"

TOWNSHIP 3 SOUTH - RANGE 17 BAST

SECTION 20: Begin at the Northeast corner of the SW 1/4 of SW 1/4 of Section 20, Township 3 South, Range 17 East, and run West along North boundary line of said SW 1/4 of SW 1/4, 365 feet to the East boundary line of State Road No. 2; thence run in a Southeasterly direction along the East boundary line of said State Road No. 2 a distance of 534 feet to the West boundary line of Benton Road; thence North along West boundary line of Benton Road; thence North along West boundary line of Benton Road 507 feet to the POINT OF BEGINNING.

Inst:2004025246 Date:11/12/2004 Time:09:59 Doc Stamp-Deed: 700.00

DC,P.DeWitt Cason,Columbia County B: 1030 P:1151

NOTICE OF AUTHORIZATION

I Darrell Turner, do hereby authorize Melanie Roder, To be my representative and act on my behalf in all aspects of applying for a Roofing Permit to be located in Columbia County. Lake City, FL 32055 Contractor's signature Date Sworn and subscribed before me this 14th day of April **Notary Public**

Personally known

Produced Identification_

Lake City

DW Turner Roofing, Inc.

P.O. Box 3307 Lake City, FL 32056 LIC# RC29027074 City Linets

Estimate

Date	Estimate #
3/13/2006	313

Name / Address								

Project Description Qty Rate Total PRICE INCLUDES 20,000.00 20,000.00 **NEW METAL ROOF METAL PANELS EAVE DRIP** RIDGE CAP **VENTING SYSTEM BATTEN SYSTEM (1X4) GABLE TRIM VALLEY METAL SCREWS** ALL MATERIALS TO FINISH ROOF OFF PIPE FLASHINGS DISPOSAL OF WASTE **PERMITS** ADD PITCH TO FLAT ROOF ALL WOOD WORK & MATERIAL INCLUDED IN PRICE **Total** \$20,000.00

Phone #	Fax#
386-755-0086	386-755-4660



COMPANY

Mark Disosway, PE 53915 Apr. 21, 2006 09:42:49

PROJECT

Job 604181 Turner Roofing Pleasant Point Motel ReRoof Rafters with existing gravel and new overframing Rafter wwb

Design Check Calculation Sheet

EXISTING BUIL W/GRAVEL PLUS OVER FRAMING

LOADS: (lbs, psf, or plf)

				KT 10 15 10 15 17	1-1217
Load	Туре	Distribution	Magnitude	Location [ft]	Pattern
1.			Stark End	Start End	Load?
Load1	Dead	Full Area	22.00/(16.0)*		No
Load2	Constr.	Full Area	20.00 (16.0)*		No

*Tributary Width (in)

MAXIMUM REACTIONS (lbs) and BEARING LENGTHS (in):

		and a state of the		7.2.70 7.554
	0'	4'	20'-4"	22'-4"
Dead Live Total		403 334 737	315 261 576	
Bearing: LC number Length Cb	1 0.0 0.00	2 1.0 1.76	2 1.0 2.23	0.0 0.00

Lumber-soft, S. Pine, No.2, 2x8"

Spaced at 16" c/c: Self Weight of 2.82 plf automatically included in loads:

Lateral support: top= full, bottom= at supports; Repetitive factor: applied where permitted (refer to online help); Load combinations: ICC-IBC;

WARNING: Member length exceeds typical stock length of 18.0 [ft]

SECTION vs. DESIGN CODE NDS-2001: (stress=psi, and in)

Criterion	Analysis Value	Design Value	Analysis/Design
Shear	fv = 64	Fv' = 219	fv/Fv' = 0.29
Bending(+)	fb = 1526	Fb' = 1725	fb/Fb' = 0.88
Bending(-)	fb = 430	Fb' = 1578	fb/Fb' = 0.27
Deflection:	<u> </u>		
Interior Live	0.46 = L/426	1.09 = L/180	0.42
Total	1.01 = L/193	1.09 = L/180	0.93
Cantil. Live	0.18 = L/134	0.27 = L/90	0.67
Total	0.39 = L/60	0.27 = L/90	1.48')(

CANTEXEEDS NORMAL DEFLECTION BUTTHERE ARE NO DEFLECTION BENSITIVE MATERIALS INSTALLED

ADDITIONAL DATA:

FACTORS:	F	CD	CM	Ct	$_{ m CL}$	CF	Cfu	Cr	Cfrt	Ci	Cn	LC#
Fb'+	975	1.25	1.00	1.00	1.000	1.231	1.00	1.15	1.00	1.00	-	2
Fb'-	975	1.25	1.00	1.00	0.915	1.231	1.00	1.15	1.00	1.00	-	2
Fv'	175	1.25	1.00	1.00	-	-	-	-	1.00	1.00	1.00	2
Fcp'	565	-	1.00	1.00	-	_	-	_	1.00	1.00	-	-
E'	1.6	million	1.00	1.00	-	_	_	_	1.00	1.00	_	2

Bending(+): LC# 2 = D+C, M =1671 lbs-ft Bending(-): LC# 2 = D+C, M =471 lbs-ft

: LC# 2 = D+C, V =502, V design = 466 lbs

EI= 76.21e06 lb-in2 Deflection: LC# 2 = D+C

Total Deflection = 1.00(Dead Load Deflection) + Live Load Deflection.

(D=dead L=live S=snow W=wind I=impact C=construction CLd=concentrated)

(All LC's are listed in the Analysis output)

DESIGN NOTES:

1. Please verify that the default deflection limits are appropriate for your application.

2. Continuous or Cantilevered Beams: NDS Clause 4.2.5.5 requires that normal grading provisions be extended to the middle 2/3 of 2 span beams and to the full length of cantilevers and other spans.

3. Sawn lumber bending members shall be laterally supported according to the provisions of NDS Clause 4.4.1.

4. The critical deflection value has been determined using maximum back-span deflection. Cantilever deflections do not govern design.



COMPANY

Mark Disosway, PE 53915 Apr. 21, 2006 09:42:49 **PROJECT**

Job 604181 Turner Roofing Pleasant Point Motel ReRoof Rafters with existing gravel and new overframing Rafter.wwb

Design Check Calculation Sheet

Sizer 2004

EXISTING BUIC W/GRAVEL PLUS OVER FRAMING

ION Magnitude AND NEW METAL ROOF

Location [ft] Distribution Pattern Type <u>Magni</u>tude Start Start End Load? End 22.00/(16.0) * Load1 Dead Full Area No Load2 Constr. 20-00 (16.0)* No Full Area

*Tributary Width (in)

LOADS: (lbs, psf, or plf)

MAXIMUM REACTIONS (lbs) and BEARING LENGTHS (in):

	77/15/07/ 4 10 07/15/07/410	医型性 的人名英格兰人姓氏格兰人名		
	0'	4'	20'-4" 22'-	!-4"
Dead Live Total		403 334 737	315 261 576	
Bearing: LC number Length Cb	0.0 0.00	1.0 1.76	2 1.0 2.23 0.	.0 .00

Lumber-soft, S. Pine, No.2, 2x8"

Spaced at 16" c/c; Self Weight of 2.82 plf automatically included in loads;

Lateral support: top= full, bottom= at supports; Repetitive factor: applied where permitted (refer to online help); Load combinations: ICC-IBC;

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Deflection:		 		
Interior Live	0.46 = L/426	1.09 = L/180	0.42	
Total	1.01 = L/193	1.09 = L/180	0.93	
Cantil. Live	0.18 = L/134	0.27 = L/90	2.67	LA LARBAC MARMAL DEFLECTION
Total	0.39 = L/60	0.27 = L/90	1.48')(ANTEXEEDS NORMAL DEFLECTION

BUTTHERE ARE NO DEFLECTION SENSITIVE MATERIALS INSTALLED

ADDITIONAL DATA:

Cn LC# Ci FACTORS: F CD CM Ct CLCF Cfu $\operatorname{\mathtt{Cr}}$ Cfrt Fb'+ 975 1.25 1.00 1.00 1.000 1.231 1.00 1.15 1.00 1.00 Fb'-975 1.25 1.00 1.00 0.915 1.231 1.00 1.15 1.00 1.00 Fv' 1.00 1.00 1.00 1.00 2 175 1.25 1.00 1.00 1.00 1.00 1.00 Fcp' 565 1.6 million 1.00 1.00 1.00 1.00

Bending(+): LC# 2 = D+C, M = 1671 lbs-ft Bending(-): LC# 2 = D+C, M = 471 lbs-ft

Shear : LC# 2 = D+C, V = 502, V = 466 lbs

Deflection: LC# 2 = D+C EI= 76.21e06 lb-in2

Total Deflection = 1.00(Dead Load Deflection) + Live Load Deflection.

(D=dead L=live S=snow W=wind I=impact C=construction CLd=concentrated)

(All LC's are listed in the Analysis output)

DESIGN NOTES:

1. Please verify that the default deflection limits are appropriate for your application.

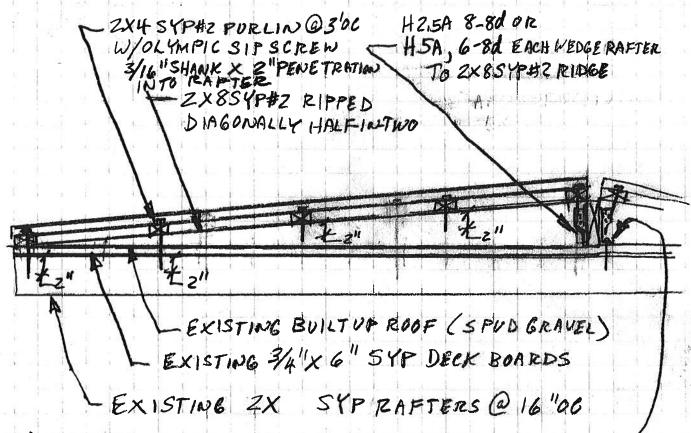
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3. Sawn lumber bending members shall be laterally supported according to the provisions of NDS Clause 4.4.1.

4. The critical deflection value has been determined using maximum back-span deflection. Cantilever deflections do not govern design.

MIL USOSMON 21APROG PES3915 Pleasant Point

e 12'7 €12' → 258 e-Pitch Pitch ->



OVERFRAMING FOR LOW PITCH ROOF @ PLEASANT POINT APAPTMENTS

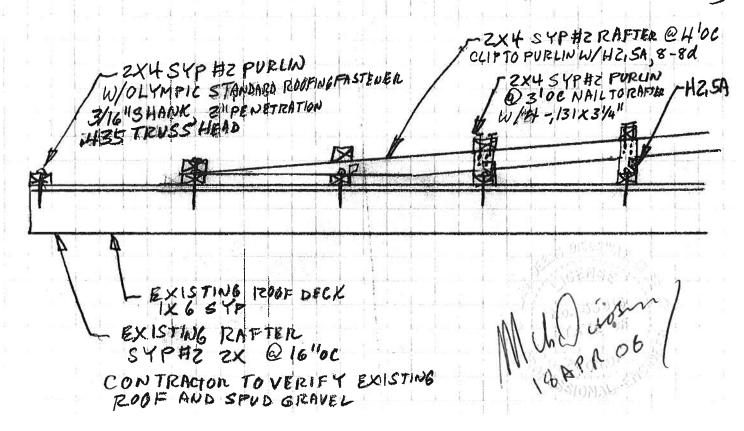
ANCHOR RIDGE TO EACH EXISTING

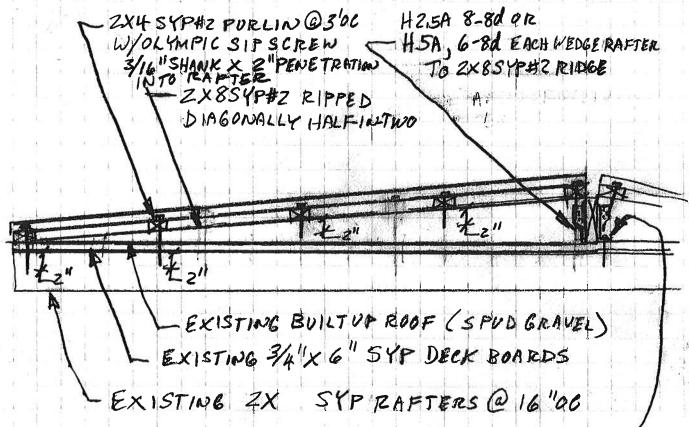
RAFTER WITH (1) SSP, 3-100x1/2

TO RIDGE AND DRILL (1) OLY

SCREW THRU FOOT OF SSP INTO

EXISTING RAFTER (ALTERNATESIDES)





OVERFRAMING FOR LOW PITCH ROOF @ PLEASANT POINT APAPTMENTS

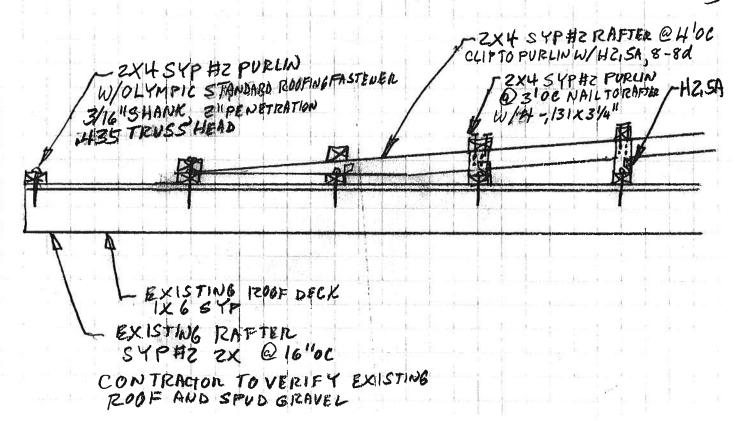
ANCHOR RIDGE TO EACH EXISTING

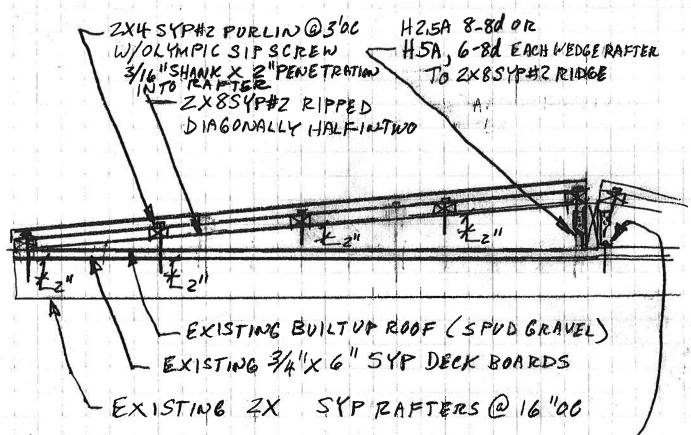
RAFTER WITH (1) SSP, 3-100x1/2

TO RIDGE AND DRILL (1) OLY

SCREW THRU FOOT OF SSP INTO

EXISTING RAFTER (ALTERNATESIDES)





OVERFRAMING FOR LOW PITCH ROOK @ PLEASANT POINT APAPTMENTS

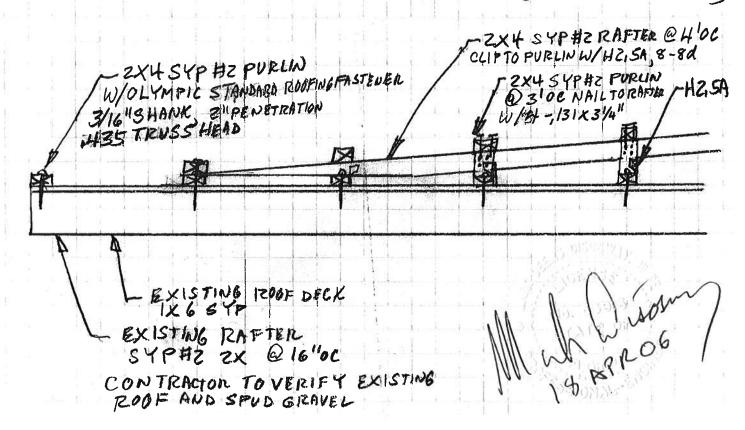
ANCHOR RIDGE TO EACH EXISTING

RAFTER WITH (1) SSP, 3-100x1/2

TO RIDGE AND DRILL (1) OLY

SCREW THRU FOOT OF SSP INTO

EXISTING RAFTER (ALTERNATESIDES)



Gulf Coast Supply & Mfg. Inc. 4020 SW 449th St Horseshoe Bch, FL 32648

Dear Mr. Darrell Turner, It is acceptable according to Gulf Coast Supply & Mfg. Inc. to fasten 26ga. PBR panels onto 2x4 purlins spaced 36" on center. As long as sufficient screws are placed properly according to wind loads.

Thank you,
John Sherrill-V.

Gulf Coast Supply and Manufacturing, Inc.

PRODUCT EVALUATION REPORT

PBR Panel

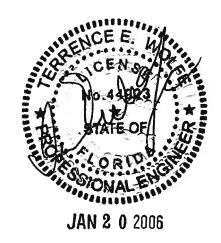
f L# 6359

State of Florida Professional Engineer:

Terrence E. Wolfe, P.E. # 44923 2405-a S. Houston Ave., Suite 500 Humble, TX 77396

Validator:

Locke Bowden, P.E. Florida Registration #49703 200 Eton Road Montgomery, AL 36109



MANUFACTURER:

Gulf Coast Supply and Manufacturing, Inc. Rt. 1 Box 112
Horseshoe Beach, FL 32648
352-498-7852

SUBJECT:

Cold-formed, through-fastened, steel roof panels.

PANEL DESCRIPTION:

PBR, 26 Ga. (.019"), 36" wide, Fy=80 ksi min., through fastened, structural metal roof panel. PBR is applied over open framing.

CODE CRITERIA:

Florida Building Code 2004: Chapter 15: Roof Assemblies Chapter 16: Structural Design

Chapter 22: Steel

LIMITATIONS OF USE FOR NON-HIGH VELOCITY HURRICANE ZONES

Maximum Roof Uplift Pressure: -54.25 PSF (PER UL 580 Testing)

Maximum Roof Purlin Spacing: 5'-0" O.C. (PER UL 580 Testing)

Minimum Slope: 1/2:12

Substrate Description: Min. 16 Ga. Purlins or FL P.E. designed equal

Substrate Attachment: Designed by Florida P.E.

Fire Barrier: (Optional) ¼" Georgia Pacific "Dens Deck", or 5/8"

water resistant type X gypsum sheathing with treated core and facer, or manufacturer approved equal Class B exposure rating in accordance with

FBC.

Insulation:

Per manufacturers instructions with manufacturers

approved details.

Application:

Install PBR per FBC 2004.

Material:

CSN, LLC. (77934); ASTM 792, A55,.019 min.

coated steel, Grade 80, Dated: 11/04/05.

Tests

UL 580-94 & UL 1897-98 per FBC, Standard Test

Methods for Structural Performance of Sheet Metal

Load Table

PBR 26ga design uplift/gravity load table per the North American Specification for the design of Cold-Form Steel Structural Members (AISI-

NASPEC) over open framing sealed by

Terrence E. Wolfe, P.E.

DESIGN PROCEDURE:

Based on the dimensions of the structure, appropriate loads are determined using Chapter 16 of the FBC. Loads include, roof live load, dead load and wind load. These loads are compared to the *panel load tables* in order to determine the appropriate panel span/fastener spacing. Based on the tributary area of the attachment, the fastener load is determined. The fastener load is compared to the allowable fastener capacity (pullout and pullover) from the *fastener manufacturers data sheet* based on the substrate used. An appropriate factor of safety is applied to the calculation, typically 3.0 for steel and 6.0 for plywood substrates. If the initial fastener spacing is too great, it is reduced until the fastener capacity is shown to be adequate. Fastener spacing is typically reduced in the edge zones of the structure to account for greater wind loads.

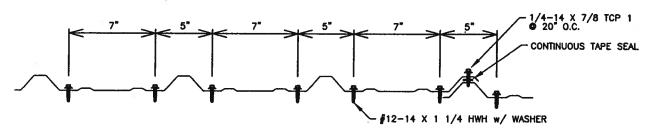


Gulf Coast Supply & MFG, Inc. PBR 26GA LOAD TABLE OVER OPEN FRAMING

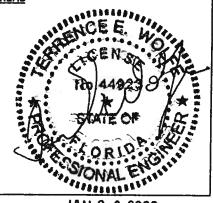
	PBR 26 GA. ALLO	WABLE	UNIFO	DRM LC	DADS (I	PSF) O	VER OF	PEN FR	AMING	}
SPAN	LOAD TYPE					SPA	N (ft)			
TYPE	20/10 1 // 2	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
SINGLE	LIVE LOAD	74.9	55.0	40.4 [,]	28.4	20.7	15.6	12.0	9.4	7.5
OINGLE	NEGATIVE WIND LOAD	99.9	73.4	49.4	34.7	25.3	19.0	14.6	11.5	9.2
2-SPAN	LIVE LOAD	73.6	54.3	41.7	33.0	26.8	22.2	18.6	15.9	13.7
2 01 / 11	NEGATIVE WIND LOAD	74.9	55.0	42.1	33.3	27.0	22.3	18.7	16.0	13.8
3-SPAN	LIVE LOAD	91.4	67.5	51.9	41.2	33.4	27.6	22.6	17.8	14.2
0-01 AI1	NEGATIVE WIND LOAD	93.6	68.8	52.7	41.6	33.7	27.9	23.4	19.9	17.2
4-SPAN	LIVE LOAD	85.5	63.2	48.6	38.5	31.2	25.8	21.7	18.5	15.1
	NEGATIVE WIND LOAD	87.4	64.2	49.2	38.8	31.5	26.0	21.9	18.6	16.1

NOTE:

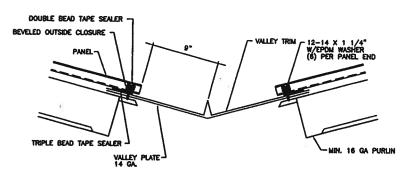
- 1. ALLOWABLE LOADS ARE BASED ON UNIFORM SPAN LENGTHS and Fy=60-ksi.
- 2. LIVE LOAD IS LIMITED BY BENDING, SHEAR, COMBINED SHEAR & BENDING, WEB CRIPPLING AND DELECTION OF L/180.
- 3. NEGATIVE WIND LOAD IS LIMITED BY BENDING, SHEAR, COMBINED SHEAR & BENDING AND DELECTION OF L/120.
- 4. NEGATIVE WIND LOAD DEFLECTION HAS BEEN INCREASED BY 30% PER FBC 2004 TABLE 1604.3.
- 5. NEGATIVE WIND LOAD DOES NOT CONSIDER FASTENER PULLOUT OR PULLOVER.
- 6. THE WEIGHT OF THE PANEL HAS NOT BEEN DEDUCTED FROM THE ALLOWABLE LOADS.



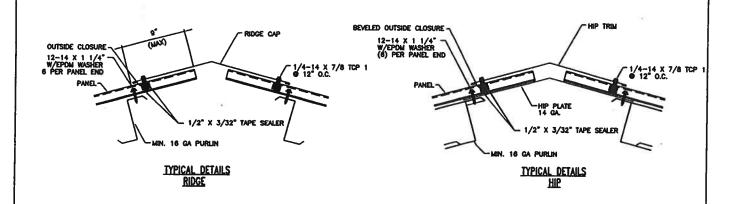
SCREW PATTERN FOR ROOF & WALL APPLICATIONS: ALL AREAS

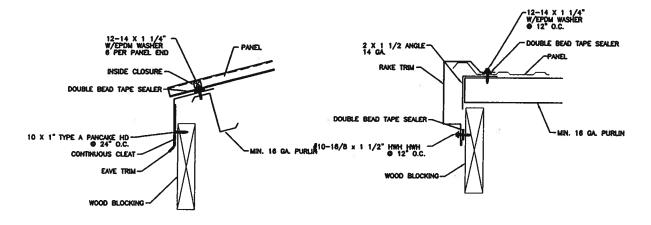


GULF COAST SUPPLY & MFG, INC. PBR TYPICAL DETAILS OVER PURLINS



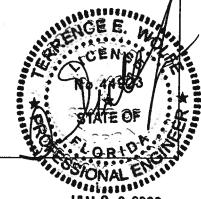
TYPICAL DETAIL YALLEY





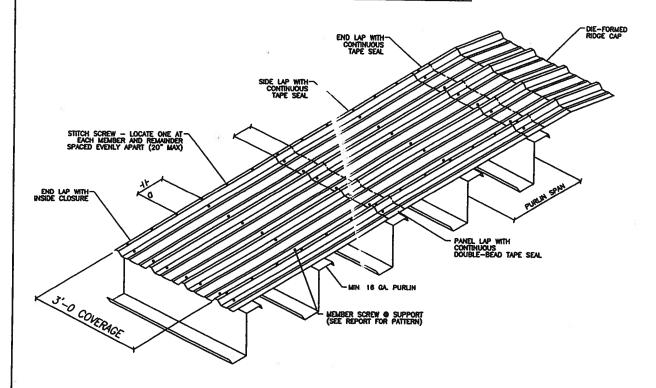
TYPICAL DETAILS
EAVE

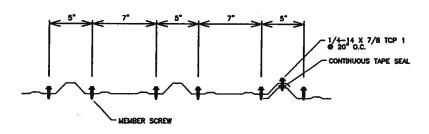
TYPICAL DETAILS
RAKE



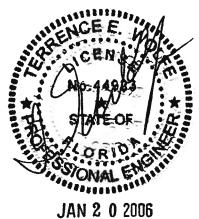
JAN 2 0 2006

GULF COAST SUPPLY & MFG, INC. PBR TYPICAL DETAILS OVER PURLINS





INTERIOR/EXTERIOR SCREW PATTERN

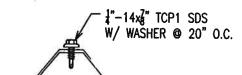


PROJECT:			***	
UL 580 & UL 1897 TESTING	REV	BY	DATE	DESCRIPTION
LOCATION: HUMBLE, TEXAS	0	JG	08/31/04	ISSUED FOR CONSTRUCTION
MANUFACTURER: GULF COAST SUPPLY & MFG, INC.				
PANEL TYPE: PBR PANEL, 36" WIDE, 26 GA.				

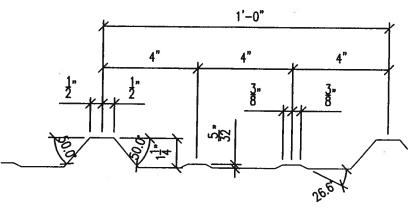
NOTES:

1) MATERIAL IS 26 GA. (MIN. 0.0185" UNCOATED THICKNESS).

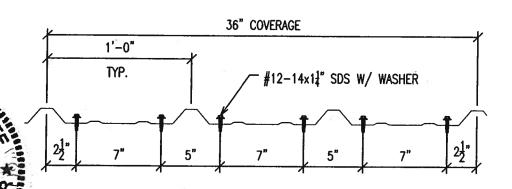
2) ALL RADII ARE 0.125".



LAP DETAIL SCALE: 3":1'



RIB DETAIL SCALE: 3":1'



PBR PANEL PROFILE & FASTENER SPACING

SCALE: 1 1/2":1' JAN 2 0 2006

drawn by: JG	DATE DRAWN: 08/31/04		JOB NO: 1
CHECKED BY: TW	DATE CHECKED: 08/31/04		DWG NO:
approved by: TW	DATE APPROVED: 08/31/04	Force Engineering & Testing Inc. 2405 A S. Houston Ava. Suits 5 Humble, Tx. 77396 (281) 540-6803 Fox (281) 540-8888	REV NO:

JOB NO:	117-0015-06
DWG NO:	PBR PANEL
REV NO:	0

and the first of the second se	
drawn by: JG	DATE DRAWN: 08/31/04
CHECKED BY: TW	DATE CHECKED: -08/31/04
APPROVED BY: TW	DATE APPROVED: 08/31/04

Page 1

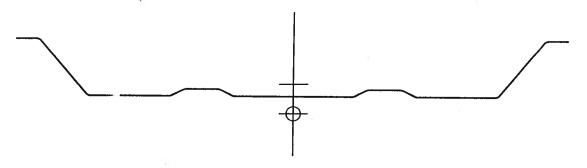
Section: sectionp R-pan al Dixieland.sct

R panel - 26 ga. Section Properties

Rev. Date: 1/19/2006 5:12:59 PM

By: Brandon Jasek

Brandon Jasek Force Engineering & Testing



Section Inputs

Material: [MBCI]

Apply strength increase from cold work of forming.

Modulus of Elasticity, E 29500 ksi
Yield Strength, Fy 60 ksi
Tensile Strength, Fu 61.5 ksi
Warping Constant Override, Cw 0 in^6
Torsion Constant Override, J 0 in^4

Part 1, Thickness 0.0181 in Placement of Part from Origin:

X to center of gravity 0 in Y to center of gravity 0 in

Centerline dimensions, Open shape

	Length	Angle	Radius	Web	k	Hole Size	Distance
	(in)	(deg)	(in)		Coef.	(in)	(in)
1	0.5000	360.000	0.12500	None	0.000	0.0000	0.2500
2	1.6320	310.000	0.12500	Single	0.000	0.0000	0.8160
3	1.7640	360.000	0.12500	None	0.000	0.0000	0.8820
4	0.3490	26.600	0.12500	Single	0.000	0.0000	0.1745
5	0.7500	360.000	0.12500	None	0.000	0.0000	0.3750
6	0.3490	-26.600	0.12500	Single	0.000	0.0000	0.1745
7	2.6260	360.000	0.12500	None	0.000	0.0000	1.3130
8	0.3490	26.600	0.12500	Single	0.000	0.0000	0.1745
9	0.7500	360.000	0.12500	None	0.000	0.0000	0.3750
10	0.3490	-26.600	0.12500	Single	0.000	0.0000	0.1745
11	1.7640	360.000	0.12500	None	0.000	0.0000	0.8820
12	1.6320	50.000	0.12500	Single	0.000	0.0000	0.8160
13	0.5000	360.000	0.12500	None	0.000	0.0000	0.2500



Brandon Jasek Force Engineering & Testing Page 2

Section: sectionp R-panel Dixieland.sct

R panel - 26 ga. Section Properties

Rev. Date: 1/19/2006 5:12:59 PM

By: Brandon Jasek

Full Section Properties

Area	0.24024 in^2	Wt.	0.81680	lb/ft	Width	13.273	in
Ιx	0.0416 in^4	rx	0.416	in	Ixy	0.0000	in^4
Sx(t)	0.04219 in ³	y(t)	0.987	in	α	90.000	dea
Sx(b)	0.14806 in ³	y (b)	0.281 i	in			J
		Height	1.268 i	in			
Iy	3.1272 in ⁴	ry	3.608 i	in	Xo	0.000	in
Sy(1)	0.52119 in^3	$\mathbf{x}(1)$	6.000 i	in	Yo	-0.650	in
Sy(r)	0.52119 in^3	x(r)	6.000 i	in	jx jy	0.000	
		Width	12.000 i	in	Ϊy	11.678	in
I1	3.1272 in^4	r1	3.608 i	in			
12	0.0416 in^4	r2	0.416 i	in			
Ic	3.1689 in^4	rc	3.632 i	ln	Cw	0.49786	in^6
Io	3.2704 in ⁴	ro	3.690 i	ln .	J	0.00002623	

Fully Braced Strength - 2001 AISI Specification - US (ASD)

Compression Ta	2394.1 0.071823	in^2	Positive Maxo Ixe Sxe(t) Sxe(b)	Moment 1.011 0.0296 0.02815 0.13559	in^4 in^3	Positive Mayo Iye Sye(1) Sye(r)	Moment 12.035 k-in 2.2831 in^4 0.44039 in^3 0.33497 in^3
Shear Vay Vax	605.9 780.3	lb	Negative Maxo Ixe Sxe(t) Sxe(b)	1.348 0.0278	in^4 in^3	Negative Mayo Iye Sye(1) Sye(r)	Moment 12.035 k-in 2.2831 in^4 0.33497 in^3 0.44039 in^3

Part 1 element 2 w/t exceeds 60. Part 1 element 12 w/t exceeds 60.



Gauge = 26 (0.0181") Panel = PBR

1.0110 1.3490 0.0296 0.0278 Ma (kip-in) (Bottom in compression) = ke (in-4) (Top in Compression) = ke (in-4) (Bottom in Compression) = Ma (kip-in) (Top in Compression)

29500 0.0181 1.3458 E (ksi)(Modulus of Elasticity)= t (in) Material thickness = h (in) (Depth of flat portion of web measured along plane of web) =

						4	Allowable Uniform Loads (PSF)	niform Lo	ads (PSF)								
	•																
1					ļ				SPAN	IN FEET							
Span lype	Š	7.8	4	3.50	4	4.50	9.00	5.50	6.00	6.00 6.50	7.00	7.50	8.00	8.50	900	105.0	40.00
Single	Positive Wind	168.5	74.9	55.0	Н	33.3	27.0	22.3	18.7	16.0	13.8	120	10.5	6	e a	1	27
	Negative Wind	224.8	99.9	73.4	4	44.4	36.0	29.7	25.0	21.3	18.4	16.0	12	12.5	2		0
	Live	[74.9	55.0	42.1	33.3	27.0	22.3	18.7	16.0	13.8	12.0	10.5	83	833	22	2.0
	Shear	Ţ.	503.6	431.7	377.7	335.7	302.2	274.7	251.8	232.4	215.8	201.4	188.8	1777	1870	1500	, ,
-	Web Crippling Exterior	170.0	113.3	97.1	85.0	75.5	68.0	81.8	58.7	52:3	48.6	45.3	42.5	60	37.8	35.8 8.75	24.0
	Defiection (L/180) Live	323.4	95.8	60.3	40.4	28.4	20.7	15.6	12.0	9.4	7.5	6.1	5.1	42	3.5	200	386
,	Denection (U180) Wind	394.9	117.0	73.7	49.4	<u>अ</u> .7	25.3	19.0	14.6	11.5	9.2	7.5	6.2	5.1	43	34	3.5
ued <> >	Positive Wind	224.8	6.66	73.4	58.2	44.4	36.0	29.7	25.0	21.3	18.4	16.0	=======================================	12.4	=	100	000
	Negative Wind	168.5	74.9	850	42.1	33.3	27.0	22.3	18.7	16.0	13.8	12.0	10.5	93	83	7.5	67
	LWB	224.8	88.8	73.4	58.2	4.	38.0	28.7	25.0	21.3	18.4	16.0	14.1	12.4	=	10.0	06
	Shear & Bending Wind	240.7	402.9	2403	302.2	288.6	241.7	219.8	81.4	185.9	172.7	181.2	151.1	142.2	134.3	127.2	120.9
	Shear & Rending 1 ive	482.2	273.6		200	43.8	35.6	28	24.8	21.1	18.3	15.9	14.0	9.3	11.1	6.6	9.0
	Web Cripoling Interior	132 A	88.4	2,47	41.7	23.0	28.8	222	18.6	15.9	13.7	11.9	10.5	9.3	8.3	7.5	6.7
	Web Cringling Extends	226.0	100.4	(3)	200	0.80	53.1	48.2	44.2	40.8	37.9	35.4	33.2	31.2	29.5	27.9	28.5
	Deflection (1 (180) in	770.0	131.1	128.5	113.3	100.7	90.6	82.4	75.5	69.7	64.7	60.4	56.6	53.3	50.4	47.7	45.3
_	Dogogica // 1997 William	1/8.0	0.000	140.4	9/.4	88.4	49.9	37.5	28.9	22.7	18.2	14.8	12.2	10.1	8.5	7.3	8,2
	Dellection (C/180) Wind	7.108	281.8	177.5	118.9	83.5	60.9	45.7	35.2	77.7	22.2	18.0	14.9	12.4	10.4	8.9	7.6
S pan	Positive Wind	263.3	117.0	86.0	65.8	52.0	42.1	34.8	29.3	24.9	21.5	18.7	16.5	14 R	130	44.7	40.5
	Negative Wind	210.6	93.6	88.8	52.7	41.6	33.7	27.9	23.4	19.9	17.2	15.0	13.2		200		2
	LIVE	263.3	117.0	86.0	65.8	52.0	42.1	34.8	29.3	24.9	21.5	18.7	18.5	14.8	13.0	117	20.5
	Shear	629.5	419.7	359.7	314.7	279.8	251.8	228.9	209.8	193.7	179.9	167.9	157.4	148.1	139.9	1325	125.0
	Shear & Bending Wind	256.6	119.7	88.9	88	54.5	44.3	36.7	30.9	26.4	22.8	19.8	17.5	15.5	13.8	12.4	112
10	Web Crosling Live	188	4.65	67.5	51.9	41.2	33.4	27.6	23.3	19.8	17.1	14.9	13.1	11.6	10.4	9.3	8.4
	Web Cripping Exterior	242.6	100.5	200	4.00	67.0	88	24.8	20.5	46.4	43.1	40.2	37.7	35.5	33.5	31.7	30.1
	Deflection (L/180) I we	840.3	808	4430	76.2	\$ C	200		8.07	65.4	7.00	56.7	53.1	50.0	47.2	44.7	42.5
	Deflection (L/180) Wind	745 1	2002	200	200	25.0		200	22.6	17.8	14.2	11.6	9.5	8.0	6.7	5.7	6.4
4-Span	Positive Wind	7637	448.8	2	930.1			ŝ	97/7	71.7	17.4	14.1	11.6	2.6	8.2	7.0	6.0
	Negative Wind	106.7	27.78	2.0	0.00	5 6	42.0	× ×	29.2	24.8	21.4	18.7	16.4	14.5	13.0	11.6	10.5
	600	262.4	148.5	7 4	48.4	000	31.5	200	21.9	18.6	16.1	14.0	12.3	10.9	9.7	8.7	7.9
	Shear	822.2	444.8	256	25.0	0.00	42.0	7.	29.2	24.8	21.4	18.7	16.4	14.5	13.0	11.6	10.5
	Shear & Bending Wind	2418	4123	222	211.1	2/0.0	248.9	283	207.4	191.5	177.8	165.9	155.6	146.4	138.3	131.0	124.4
	Shear & Bending I he	187.5	85.5	3 8	2.60	8 8	41.4	25	28.9	24.6	21.3	18.5	16.3	14.5	12.9	11.6	10.5
	Web Cripping Interior	145.1	2 8	328	22.0	20.0	715	80	21.7	18.5	18.0	13.9	12.3	10.9	9.7	8.7	7.9
	Web Cripolina Exterior	218.7	444.6	433	,700,	0 0	200	52.8	48.4	44.6	41.4	38.7	36.3	34.1	32.2	30.5	29.0
	Deflection (1 /180) 1 in	27.0	0.00	125.0	8 6	200	28	78.8	722	66.7	61.9	57.8	54.2	51.0	48.2	45.6	43.3
~	Deflection (1/180) Wind	201.0	234.4	447.6	0.00	8 8	41.5	312	24.0	18.9	15.1	12.3	10.1	8.4	7.1	6.0	5.2
	יייים אייים	181.0	****	9.	8.08	4.8	90.6	38.0	28.3	23.0	18.4	15.0	12.4	10.3	8.7	7.4	6.3
NOTES .																	

Section properties and allowable loads were computed in accordance with the 2001 edition of the North American Specification For Design Of Cold-Formed Steel Structural Members.

R. Section Properties are for one foot of panel width.

R. Section Properties are for one foot of panel width.

R. Nilowable loads are based on uniform span lengths and Fy = 50 ksi.

R. Nilowable loads are based on uniform span lengths and Fy = 50 ksi.

R. Nilowable loads are based not be an increased by 33.333%, and does not consider fastener pullout or pullover.

R. Nilowable Load Deflection has been increased by 30% per IBC 2003 Table 1604.3.

			6.5 7.0	11.5	9.4	16.0	15.9	ŀ	17.8	186	18.5
			8	14.6	12.0	18.7	18.6	23.4	22.6	21.9	21.7
		_	5,5	19.0	15.6	22.3	222	27.9	27.6	28.0	25.8
		SPAN IN FEET	5.0	25.3	20.7	27.0	26.8	33.7	33.4	31.5	31.2
ABLE	= 60 KSD	S	4.5	34.7	28.4	33.3	33.0	41.6	412	38.8	38.5
LOAD TABLE	26 Gauge (Fv = 60 KS)		4.0	49.4	40.4	42.1	41.7	52.7	51.9	49.2	48.6
	2		3.5	73.4	55.0	55.0	54.3	68.8	67.5	64.2	63.2
			3.0	86.8	74.9	74.9	73.6	93.6	91.4	87.4	85.5
		LOAD TYPE		NEG. WIND LOAD	LL/DEFLECTION						
		SPAN	- †	SINGLE	_	2-SPAN	_	3-SPAN	_	4-SPAN	





OCCUPANCY

COLUMBIA COUNTY, FLORIDA

tment of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 20-3S-17-05380-000 Building permit No. 000024425

Use Classification REROOF/APTS Fire:

Waste:

Total:

0.00

Permit Holder DARRELL TURNER

Owner of Building EDWARD HIGGS

STOP BOTTO

Location: 153 NW CR 25A, LAKE CITY, FL

Date: 06/22/2006

Building Inspector

POST IN A CONSPICUOUS PLACE (Business Places Only)