

8 Oak Hill Way

3056

STEM WALL

TOWN OF SEWALL'S POINT BUILDING PERMIT

PARCEL CONTROL NUMBER _____

PERMIT NUMBER 3478

DATE ISSUED 10/5/93

OWNER Mr Richard Wegman

CONTRACTOR OR

OWNER/BLDR. Richard Giesinger

ADDRESS _____

ADDRESS 2363 SW Ocean Blvd

CITY/ST/ZIP SP

CITY/ST/ZIP STUART

TELEPHONE _____

TELEPHONE 283-2800

FLOOD ZONE B

TO BE CONSTRUCTED Rem House

SITE ADDRESS 8 Oak Hills Way

SUBDIVISION Castle Hill

CONSTRUCTION VALUE 236,000

FEES

REMODELING/NEW CONSTRUCTION Rem

PLUMBING 100.00

IMPACT N/A

ELECTRICAL 100.00

RADON 45.83

MECH./A.C. 100.00

SEPTIC N/A

ROOF 100.00

WELL _____

WALL _____

FENCE _____

POOL ENCLOSURE _____

POOL _____

OWNER/BUILDER _____

DOCK _____

TOTAL 2333.83

PAID BY CHECK

BUILDING INSPECTION

(FOR OFFICIAL USE ONLY)

(SIGN OFF)

FORM BOARD SURVEY OK DATE 1-5-94
 ROUGH PLUMBING OK DATE 12/29/93
 TERMITE PROTECTION OK DATE 10/13/93
 FOOTING-SLAB OK DATE 10/15/93
 LINTEL N/A DATE _____
 ROUGH ELECTRIC ✓ DATE 1-5-94
 FRAMING ✓ DATE 1-5-94
 A/C DUCTS ✓ DATE 1-5-94

NAILING _____ DATE _____
 ROOF OK DATE 2/24/94
 INSULATION OK DATE 1/11/94
 FINAL ELECTRIC OK DATE 3/21/94
 FINAL PLUMBING OK DATE 3/21/94
 SEPTIC FINAL OK DATE 3/21/94
 DRIVEWAY _____ DATE _____
 FINAL C.O. OK DATE 3/11/94

PERMIT AUTHORIZED BY Dale Brown

- Call 287-2455 from 8:00 a.m. to 4:00 p.m. for inspections.
 - Requests for inspections require 24 hours notice.
 - All work must be in compliance with the Town of Sewall's Point ordinances, the South Florida Building Code, the State of Florida Energy Efficiency Building Code and Elevations based on the latest flood insurance rate map.
 - Portable toilet facilities and haul-off trash container must be in job site before initial inspection.
 - Working hours are from 8:00 a.m. to 5:00 p.m. Monday through Saturday.
 - No trucks, trailers or other commercial vehicles may be left on job site overnight unless totally concealed. Violators will be cited.
- Questions regarding such equipment should be directed to the Building or Police Departments.

Patrick
Exterminating Inc.

P.O. BOX 249
HOBE SOUND, FL 33475 - 0249
407-546-3722

10-13-93

APPLICATION FOR A PERMIT TO BUILD A DOCK, FENCE, POOL, SOLAR HEATING DEVICE, SCREENED ENCLOSURE, GARAGE OR ANY OTHER STRUCTURE NOT A HOUSE OR A COMMERCIAL BUILDING

3056

This application must be accompanied by three (3) sets of complete plans, to scale, including a plot plan showing setbacks; plumbing and electrical layouts, if applicable, and at least two (2) elevations, as applicable.

Owner Castle Hill Associates, Inc. Present Address 2363 S.E. Ocean Blvd.
Stuart, Fla.

Phone 283-2800
Contractor Richard C. Geisinger Address 2363 S. E. Ocean Blvd.
Phone 283-2800 2363 S. E. Ocean Blvd.

Where licensed Florida License number CG-c005776
Electrical contractor _____ License number _____
Plumbing contractor _____ License number _____

Describe the structure, or addition or alteration to an existing structure, for which this permit is sought: Foundation (Stem wall)
8 Oak Hill Way

State the street address at which the proposed structure will be built:

Subdivision Castle Hill Lot number 4 Block number _____

Contract price \$ 3,000. Cost of permit \$ _____

Plans approved as submitted _____ Plans approved as marked _____

I understand that this permit is good for 12 months from the date of its issue and that the structure must be completed in accordance with the approved plan. I further understand that approval of these plans in no way relieves me of complying with the Town of Sewall's Point Ordinances and the South Florida Building Code. Moreover, I understand that I am responsible for maintaining the construction site in a neat and orderly fashion, policing the area for trash, scrap building materials and other debris, such debris being gathered in one area and at least once a week, or oftener when necessary, removing same from the area and from the Town of Sewall's Point. Failure to comply may result in a Building Inspector or Town Commissioner "red-tagging" the construction project.

Contractor Richard C. Geisinger

I understand that this structure must be in accordance with the approved plans and that it must comply with all code requirements of the Town of Sewall's Point before final approval by a Building Inspector will be given.

Owner Richard C. Geisinger

TOWN RECORD
Approved: Dale Brown 9/6/91
Building Inspector Date

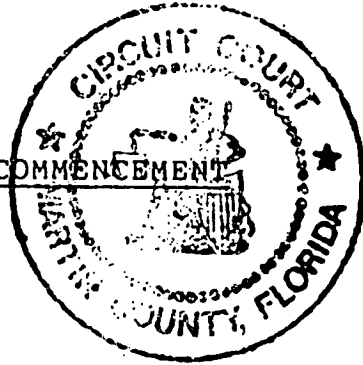
Date submitted _____
Approved: _____
Commissioner Date Final Approval given: _____
Date

Certificate of Occupancy issued (if applicable) _____
Date

SP1282 Permit No. _____

Approval of these plans in no way relieves the contractor or builder of complying with the Town of Sewall's Point Ordinances, the South Florida Building Code and the State of Florida Model Energy Efficiency Building Code.

905312



STATE OF FLORIDA
COUNTY OF MARTIN

NOTICE OF COMMENCEMENT

THIS IS TO CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL.

STATE OF Florida
COUNTY OF Martin

MARSHA STILLER, CLERK

BY [Signature] D.C.

DATE 9-25-91

The undersigned hereby informs all concerned that improvements will be made to certain real property, and in accordance with Section 713.13, Florida Statutes, the following information is stated in this NOTICE OF COMMENCEMENT. This notice shall be void and of no force and effect if construction is not commenced within 30 days of recordation.

DESCRIPTION OF PROPERTY: Lot 4, Castle Hill

General description of improvements: Foundation (Stem wall)

Owner: Castle Hill Associates, Inc.

Address: 2363 S.E. Ocean Blvd.

Owner's interest in site of the improvement: Fee Simple

Contractor: Richard C. Geisinger

Address: 2363 S.E. Ocean Blvd. Stuart, Florida 34996

Surety (if any): _____

Address: _____

Amount of Bond: _____

Lender: Sun Bank

Address: _____

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

Name: Richard C. Geisinger, Jr.

Address: 2363 S.E. Ocean Blvd. Stuart, Florida 34996

In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.06(2)(b), Florida Statutes:

Name: Richard C. Geisinger, Sr.

Address: 2363 S.E. Ocean Blvd. Stuart, Florida 34996

[Signature]

Sworn to and subscribed before me this 6th day of September, 1991.

[Signature]

(NOTARY SEAL)

I am a Notary Public of the STATE OF FLORIDA AT LARGE, and My Commission Expires: November 2, 1992

FILED FOR RECORD
MARTIN CO. FLA.
91 SEP 25 AM 10:47
MARSHA STILLER
CLERK OF CIRCUIT COURT

3478

REMODEL

3478

Tax Folio No. _____

TOWN OF SEWALL'S POINT, FLORIDA

BUILDING PERMIT APPLICATION

92.00
2,341.82

Owner's Name Richard A Weyman

Owner's Address 8 OAK HILL WAY

Owner's Telephone 283-9352

Fee Simple Titleholder's Name (if other than owner) N/A

Fee Simple Titleholder's Address (if other than owner) N/A

City STUART State FLA Zip 34996

Contractor's Name Richard C. GEISINGER SR

Contractor's Address 2363 S.E. OCEAN BLVD 34996

City STUART State FLA Zip 34996

Contractor's Telephone 283-2800 License Number CG C005776

Job Name COTTAGE RESTORATION -

Job Address # 8 OAK HILL WAY LOT 4 CASTLE HILL

City Town of Sewall's Point State Florida Zip 34996

Legal Description PARCEL # 26-37-41-D15-D00-00040-60000

CASTLE HILL SUBDIVISION -

Bonding Company N/A

Bonding Company Address N/A

City N/A State _____

Architect/Engineer's Name GARY KELLY

Architect/Engineer's Address 118 W. SIXTH ST STUART, FLA

Mortgage Lender's Name N/A

Mortgage Lender's Address N/A

Application is hereby made to obtain a permit to do the 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 will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, FURNACES, BOILERS, HEATERS, TANKS and AIR CONDITIONERS, etc.

OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning.

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.

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS APPLICATION, 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, MARTIN COUNTY, STATE AGENCIES, OR FEDERAL AGENCIES.

Plumbing Contractor South Park Plumbing License No. _____

Electrical Contractor Blosser Electric License No. _____

Roofing Contractor Panache Roofing License No. _____

A/C Contractor C+R License No. _____

Description of Building or Alterations EXTENDING KITCHEN -
ADDING MASTER BEDROOM CLOSET - 3 BR - 4 BATHROOMS -

Name of Street Designated as Front Building Line and Front Yard

8 Oak Hill Way

Subdivision Castle Hill Lot 4 Block _____

Building Area (air conditioned) 3476 sq. ft.

Garage, Porch, Carport Area 597 Garage sq. ft. DRINK 509 1,106

Contract Price (excluding carpet, land, appliance, landscaping)

\$ 96,300 ~~236,000~~

Rick DeWanna

DATE OCT 3 1993

(Owner or Authorized Agent)

Sworn and Subscribed before me this

3rd day of October 1993

(SEAL)

Joan K. Barrow

NOTARY PUBLIC

State of Florida at Large

Notary Public, State of Florida

My Commission Expires:

My Commission Expires Nov. 16, 1994

Bonded Thru Troy Fain - Insurance Inc.

* Ronald J. J...

(Contractor)

DATE X OCT 3, 1993

Sworn and Subscribed before me this

3rd day of Oct. 1993

(SEAL)

Deborah L. Alvord

NOTARY PUBLIC

State of Florida at Large

My Commission Expires:



DEBORAH L. ALVORD
MY COMMISSION # CC279289 EXPIRES
April 22, 1997
BONDED THRU TROY FAIR INSURANCE, INC.

Certificate of Competency Holder

Contractor's State Certification or Registration No. _____

Contractor's Certificate of Competency No. _____

APPLICATION APPROVED BY Dale Brown Permit Officer

[Signature]

For Official Use Only

Plans approved as submitted ✓ Date 10/5/93

Plans approved as marked _____ Date _____

A/C Area 3476 sq. ft. x \$60. = \$ 208,560⁰⁰

Non A/C Area 44067 sq. ft. x \$25. = \$ 27,650

Total = \$ 236,210

Contract Price \$ 96,300 (fee will be charged on higher amount)

\$ 236,000

Department of Community Affairs
 FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

SN: 5504

FORM 600A-93 Residential Component Prescriptive Method A SOUTH
 PROJECT NAME: WEGMAN RESIDENCE BUILDER: OWNER/BUILDER
 AND ADDRESS: LOT 4, CASTLE HILL S PERMITTING CLIMATE
 TOWN OF SEWALL'S PT, OFFICE: TOWN OF SEWA ZONE: 7 | 8 | 9 |
 OWNER: RICHARD WEGMAN PERMIT NO. JURISDICTION NO. 531300

1. New construction or addition	1. New Construction	_____
2. Single family detached or Multifamily attached	2. Single-Family	_____
3. If Multifamily-No. of units	3.	0 _____
4. If Multifamily, is this a worst case (yes/no)	4.	_____
5. Conditioned floor area (sq.ft.)	5.	3476.00 _____
6. Predominant eave overhang (ft.)	6.	2.00 _____
7. Porch overhang length (ft.)	7.	8.00 _____
8. Glass area and type:	Single Pane Double Pane	
a. Clear Glass	8a.	0.0sqft 0.00sqft _____
b. Tint, film or solar screen	8b.	0.0sqft 957.20sqft _____
9. Floor type and insulation:		
b. Wood, raised (R-value, area)	9b.	R=19.00 , 2900.00 sqft _____
10. Net Wall type area and insulation:		
a. Exterior: 2. Wood frame (Insulation R-value)	10a-2	R=11.00, 2877.00sqft _____
a. Adjacent: 2. Wood frame (Insulation R-value)	10a-2	R=11.00, 199.00sqft _____
11. Ceiling type area and insulation:		
a. Under attic (Insulation R-value)	11a.	R=19.00 , 2900.00sqft _____
12. Air distribution systems		
a. Ducts (Insulation + Location)	12a.	R= 6.00 , uncond _____
13. Cooling system	13. Type:	Central A/C _____
		EER: 10.50 _____
13. Cooling system	13. Type:	Central A/C _____
		EER: 10.50 _____
14. Heating System:	14. Type:	Strip Heat _____
		COP: 1.00 _____
14. Heating System:	14. Type:	Strip Heat _____
		COP: 1.00 _____
15. Hot water system:	15. Type:	Electric _____
		EF: 0.86 _____
15. Hot water system:	15. Type:	Electric _____
		EF: 0.86 _____
16. Hot Water Credits: (HR-Heat Recovery, DHP-Dedicated Heat Pump)	16.	_____
17. Infiltration practice: 1, 2 or 3	17.	2 _____
18. HVAC Credits (CF-Ceiling Fan, CV-Cross vent, HF-Whole house fan, RB-Attic radiant barrier, MZ-Multizone)	18.	CF MZ _____
19. EPI (must not exceed 100 points)	19.	99.40 _____
a. Total As_Built points	19a.	58198.26 _____
b. Total Base points	19b.	58546.83 _____

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

PREPARED BY: Garry Horvath
 DATE: Sept. 30, 1993

I hereby certify that this building is 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 in accordance with Section 553.908 F.S.

OWNER/AGENT: _____
 DATE: _____

BUILDING OFFICIAL: Debra B
 DATE: 3/21/94

SUMMER CALCULATIONS

=== BASE ===				=== AS-BUILT ===						
GLASS-----										
ORIEN	AREA	x BSPM =	POINTS	TYPE	SC	ORIEN	AREA	x SPM	x SOF	= POINTS
N	277.00	109.7	30386.9	DBL TINT		N	114.0	54.9	.88	5500.6
				DBL TINT		N	60.0	54.9	.86	2843.8
				DBL TINT		N	25.0	54.9	.90	1236.8
				DBL TINT		N	30.0	54.9	.70	1152.9
				DBL TINT		N	48.0	54.9	.71	1877.1
E	210.70	109.7	23113.8	DBL TINT		E	30.0	109.5	.88	2901.8
				DBL TINT		E	72.0	109.5	.83	6543.7
				DBL TINT		E	33.0	109.5	.88	3191.9
				DBL TINT		E	17.7	109.5	.95	1834.8
				DBL TINT		E	16.0	109.5	.79	1380.9
				DBL TINT		E	17.0	109.5	.59	1098.3
S	254.00	109.7	27863.8	DBL TINT		S	80.0	107.7	.65	5608.2
				DBL TINT		S	30.0	107.7	.85	2739.2
				DBL TINT		S	144.0	107.7	.48	7444.2
W	215.50	109.7	23640.3	DBL TINT		W	38.0	109.5	.83	3453.6
				DBL TINT		W	35.0	109.5	.86	3283.2
				DBL TINT		W	4.5	109.5	.67	327.9
				DBL TINT		W	138.0	109.5	.88	13348.0

.15 x COND. FLOOR /	TOTAL GLASS	= ADJ.	x	GLASS	=	ADJ GLASS	GLASS
AREA	AREA	FACTOR		POINTS		POINTS	POINTS
.15	3,476.00	957.20	.545	105,004.84		57,197.58	67,382.01

NON GLASS-----									
AREA	x	BSPM =	POINTS	TYPE	R-VALUE	AREA	x	SPM =	POINTS
WALLS-----									
Ext	2877.0	1.6	4603.2	Ext Wood Frame	11.0	2877.0	2.70	7767.9	
Adj	199.0	1.0	199.0	Adj Wood Frame	11.0	199.0	1.00	199.0	
DOORS-----									
Adj	17.0	2.6	44.2	Adj Wood		17.0	3.80	64.6	
CEILINGS-----									
UA	2900.0	.8	2320.0	Under Attic	19.0	2900.0	1.50	4350.0	
FLOORS-----									
Rsd	2900.0	-2.2	-6264.0	Rsd Wood (Stem-UF1	19.0	2900.0	-.40	-1160.0	
INFILTRATION-----									
	3476.0	14.7	51097.2	Practice #2		3476.0	14.70	51097.2	

=====
 TOTAL SUMMER POINTS | 109,197.18 | 129,700.70
 =====

TOTAL	x	SYSTEM	=	COOLING	TOTAL	x	CAP	x	DUCT	x	SYSTEM	x	CREDIT	=	COOLING
SUM PTS	MULT			POINTS	COMPON	RATIO	MULT	MULT	MULT	MULT	MULT	MULT			POINTS
109,197.18	.37			40,402.96	129,700.70	1.00	1.100	.320		.817					37,299.84

WINTER CALCULATIONS

=== BASE ===

=== AS-BUILT ===

GLASS-----										
ORIENT	AREA	x BWPM	= POINTS	TYPE	SC	ORIENT	AREA	x WPM	x WOF	= POINTS
N	277.00	-.4	-110.8	DBL TINT		N	114.0	2.4	1.07	293.7
				DBL TINT		N	60.0	2.4	1.08	156.2
				DBL TINT		N	25.0	2.4	1.06	63.4
				DBL TINT		N	30.0	2.4	1.18	85.0
				DBL TINT		N	48.0	2.4	1.18	135.6
E	210.70	-.4	-84.3	DBL TINT		E	30.0	-.6	.59	-10.7
				DBL TINT		E	72.0	-.6	.41	-17.7
				DBL TINT		E	33.0	-.6	.59	-11.7
				DBL TINT		E	17.7	-.6	.83	-8.8
				DBL TINT		E	16.0	-.6	.25	-2.4
				DBL TINT		E	17.0	-.6	-.63	6.4
S	254.00	-.4	-101.6	DBL TINT		S	80.0	-2.4	.63	-120.4
				DBL TINT		S	30.0	-2.4	.89	-63.8
				DBL TINT		S	144.0	-2.4	.15	-51.8
W	215.50	-.4	-86.2	DBL TINT		W	38.0	-.6	.41	-9.3
				DBL TINT		W	35.0	-.6	.50	-10.6
				DBL TINT		W	4.5	-.6	-.29	.8
				DBL TINT		W	138.0	-.6	.59	-49.0

.15 x COND. FLOOR / TOTAL GLASS = ADJ. x GLASS = ADJ GLASS GLASS
AREA AREA FACTOR POINTS POINTS POINTS

.15	3,476.00	957.20	.545	-382.88	-208.56	394.07
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NON GLASS-----								
AREA	x BWPM	= POINTS	TYPE	R-VALUE	AREA	x WPM	= POINTS	

WALLS-----								
Ext	2877.0	.3	863.1	Ext Wood Frame	11.0	2877.0	.60	1726.2
Adj	199.0	.5	99.5	Adj Wood Frame	11.0	199.0	.50	99.5

DOORS-----								
Adj	17.0	1.3	22.1	Adj Wood		17.0	1.90	32.3

CEILINGS-----								
UA	2900.0	.1	290.0	Under Attic	19.0	2900.0	.30	870.0

FLOORS-----								
Rsd	2900.0	-.3	-812.0	Rsd Wood (Stem-UFI	19.0	2900.0	-.10	-290.0

INFILTRATION-----								
	3476.0	1.2	4171.2	Practice #2		3476.0	1.20	4171.2

TOTAL WINTER POINTS			4,425.34					7,003.27
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TOTAL x SYSTEM = HEATING TOTAL x CAP x DUCT x SYSTEM x CREDIT = HEATING
WIN PTS MULT POINTS COMPON RATIO MULT MULT MULT POINTS

4,425.34	1.10	4,867.87	7,003.27	1.00	1.100	1.000	.950	7,318.41
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WATER HEATING

=== BASE ===			=== AS-BUILT ===						
NUM OF BEDRMS	x MULT	= TOTAL	TANK VOLUME	EF	TANK RATIO	x MULT	x CREDIT MULT	= TOTAL	
4	3319.0	13,276.00	65	.86	.500	3395.0	1.00	6,790.00	
			65	.86	.500	3395.0	1.00	6,790.00	
		13,276.00						13,580.00	

SUMMARY

=== BASE ===				=== AS-BUILT ===			
COOLING POINTS	HEATING POINTS	HOT WATER POINTS	TOTAL POINTS	COOLING POINTS	HEATING POINTS	HOT WATER POINTS	TOTAL POINTS
40403.0	4867.9	13276.0	58,546.83	37299.8	7318.4	13580.0	58,198.26

* EPI = 99.40 *

ENERGY GUIDE

For detailed information
of the EPI rating number
or for any ITEM listed,
ask your Builder for
DCA Form 600A-93
or Form 600B-93

EPI= 99.4

0 10 20 30 40 50 60 70 80 90 100
|-----X-----|

The maximum allowable EPI is 100. The lower the EPI the more efficient the home

RESIDENTIAL ENERGY PERFORMANCE RATING SHEET

ITEM	HOME VALUE	Low Efficiency		High Efficiency	
		SINGL CLR		DBL TINT	
WINDOWS.....	Double Tint	-----X-----		-----X-----	
INSULATION.....					
Ceiling R-Value.....	19.0	R-10	-----X-----	R-30	
Wall R-Value.....	11.0	R-0	-----X-----	R-7	
Floor R-Value.....	19.0	R-0	-----X-----	R-19	
AIR CONDITIONER.....					
SEER/EER.....	10.9	10.0	SEER	17.0	
		---X-----		-----	
		9.7	EER	16.0	
HEATING SYSTEM.....					
Electric COP/HSPF.....	1.0	2.50	COP	4.19	
		X-----		-----	
Gas AFUE.....	0.00	0.78	AFUE	0.90	
		-----		-----	
WATER HEATER.....					
Electric EF.....	0.86	0.88		0.96	
		X-----		-----	
Gas EF.....	0.00	0.54		0.90	
		-----		-----	
Solar EF.....		0.40		0.80	
		-----		-----	
OTHER FEATURES.....					
.....					

I certify that these energy saving features required for the Florida Energy Code have been installed in this house.

Address: _____ Builder Signature: _____ Date: _____
City/Zip _____

POLICY NUMBER	PRODUCER NUMBER	ACCOUNT NUMBER		PAGE
ECA17203150	02081537	000211963400100001	000000093-001	1

044-TAMPA

RENEWAL OF: ECA1720315000000000

ASSURANCE COMPANY OF AMERICA
 A STOCK COMPANY
 NEW YORK, NY 10038

AUDIT CODE: 4

COMMON POLICY DECLARATION

THIS COMMON POLICY DECLARATION WITH COVERAGE PARTS AND ENDORSEMENTS, IF ANY, ISSUED TO FORM A PART THEREOF, COMPLETES THE ABOVE NUMBERED COMMERCIAL INSURANCE POLICY.

1. NAMED INSURED AND MAILING ADDRESS:
 RICHARD C. GEISINGER

2363 SE OCEAN BOULEVARD #100

STUART, FL 34996



(407) 287-3366

2. POLICY PERIOD: FROM 09/14/93 TO 09/14/94 AT 12:01 A.M. STANDARD TIME AT YOUR MAILING ADDRESS SHOWN ABOVE

BUSINESS DESCRIPTION: GEN CONTRACTOR

FORM OF BUSINESS: INDIVIDUAL

IN RETURN FOR THE PAYMENT OF THE PREMIUM, AND SUBJECT TO ALL THE TERMS OF THIS POLICY, WE AGREE WITH YOU TO PROVIDE THE INSURANCE AS STATED IN THIS POLICY.

3. THIS POLICY CONSISTS OF THE FOLLOWING COVERAGE PARTS FOR WHICH A PREMIUM IS INDICATED. THIS PREMIUM MAY BE SUBJECT TO ADJUSTMENT.

		PREMIUM
COMMERCIAL GENERAL LIABILITY COVERAGE PART	\$	889.00
TAXES/SURCHARGES	\$	0.00
TOTAL	\$	889.00

PREMIUM SHOWN IS PAYABLE: \$ 889.00 AT INCEPTION.

FORMS APPLICABLE TO ALL PARTS:

IL 00 17 11 95 99 00 04 09 92

COUNTERSIGNED

9-17-93
 (DATE)

BY

Carol Grace
 AUTHORIZED REPRESENTATIVE

0819932000

INCLUDES COPYRIGHTED MATERIAL OF INSURANCE SERVICES OFFICE, INC., WITH ITS PERMISSION. COPYRIGHT, INSURANCE SERVICES OFFICE, INC., 1984.

POLICY NUMBER	PRODUCER NUMBER	ACCOUNT NUMBER		PAGE
ECA17203150	02081537	000211983400100001	000000093-001	1

044-TAMPA

RENEWAL OF: ECA1720315000000000

ASSURANCE COMPANY OF AMERICA
A STOCK COMPANY
NEW YORK NY 10038

COMMERCIAL GENERAL LIABILITY COVERAGE PART DECLARATIONS

THIS COVERAGE PART CONSISTS OF THIS DECLARATIONS FORM, THE COMMON POLICY CONDITIONS, THE COMMERCIAL GENERAL LIABILITY FORM AND THE ENDORSEMENTS INDICATED AS APPLICABLE. (SEE "COMMON POLICY DECLARATIONS" FOR ITEMS 1 AND 2)

NAMED INSURED: RICHARD C. GEISINGER

ITEM 3.

LIMITS OF INSURANCE

GENERAL AGGREGATE LIMIT (OTHER THAN PRODUCTS - COMPLETED OPERATIONS)	\$ 1,000,000
PRODUCTS COMPLETED OPERATIONS AGGREGATE LIMIT	\$ 1,000,000
PERSONAL & ADVERTISING INJURY LIMIT	\$ 1,000,000
EACH OCCURRENCE LIMIT	\$ 1,000,000
FIRE DAMAGE LIMIT - ANY ONE FIRE	\$ 50,000
MEDICAL EXPENSE LIMIT - ANY ONE PERSON	\$ 5,000

LOCATION

LOCATION OF ALL PREMISES YOU OWN, RENT OR OCCUPY: FOR DESCRIPTIONS ON THE INSURED PREMISES, PLEASE REFER TO THE ATTACHED SCHEDULES

CLASSIFICATIONS

ALL CLASSIFICATIONS APPLICABLE TO THIS COVERAGE FORM MAY BE FOUND IN THE ATTACHED SCHEDULES

FORMS APPLICABLE

ENDORSEMENTS ATTACHED TO THIS COVERAGE FORM:

CG 00 01 11 88	CG 02 20 07 97	CG 03 00 11 85	CG 25 03 11 85
IL 00 21 11 85	LU 15 3 09 89	46 25 2 02 90	46 25 3 02 90
47 68 4 09 90	47 79 6 12 87	99 00 10 10 92	

TOTAL PREMIUM FOR THIS COVERAGE PART \$889.00

INCLUDES COPYRIGHTED MATERIAL OF INSURANCE SERVICES OFFICE, INC., WITH ITS PERMISSION. COPYRIGHT, INSURANCE SERVICES OFFICE, INC., 1984.

NOTICE OF COMMENCEMENT

STATE OF Florida
COUNTY OF Martin

MARSHA STILLER
CLERK OF CIRCUIT COURT
MARTIN CO., FL

RECORDED & VERIFIED
BY O.C.

01022521

93 OCT -4 AM 11:56

The undersigned hereby informs all concerned that improvements will be made to certain real property, and in accordance with Section 713.13, Florida Statutes, the following information is stated in this NOTICE OF COMMENCEMENT. This notice shall be void and of no force and effect if construction is not commenced within 30 days of recordation.

DESCRIPTION OF PROPERTY:

General description of improvements: Removal & Addition

Owner: Richard & Celeste Wegman

Address: 8 OAK HILL WAY STUART, FLA 34996

Owner's interest in site of the improvement: 100%

Contractor: Richard C. Gessinger

Address: 2363 E OCEAN BLVD STUART, FLA 34986

Surety (if any): N/A

Address: _____

Amount of Bond: _____

Lender: N/A

Address: _____

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

Name: MICHAEL H. OLENIK

Address: SUITE 120 STUART PROF. CENTER 900 E. OCEAN STUART, FLA

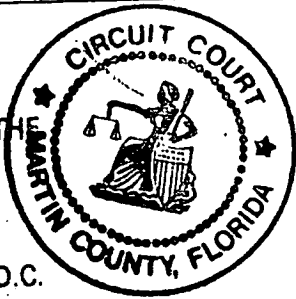
In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.06(2)(b), Florida Statutes:

Name: _____

Address: _____

STATE OF FLORIDA
COUNTY OF MARTIN

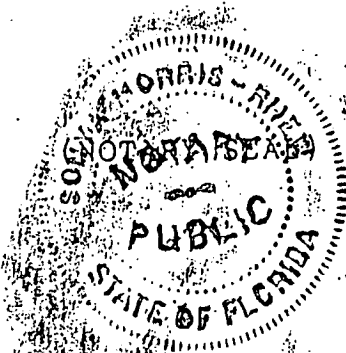
THIS IS TO CERTIFY THIS IS A
TRUE AND CORRECT COPY OF THE
ORIGINAL.



[Signature]
Personally Known To Me

MARSHA STILLER, CLERK
BY [Signature] D.C.

DATE 10/04/93
Swoon to and subscribed before me this 4th day
of October, 1993.



Sonya Morris-Rhew
Sonya Morris-Rhew Notary Public
I am a Notary Public of the
STATE OF Florida AT LARGE, and
My Commission Expires:
NOTARY PUBLIC, STATE OF FLORIDA.
MY COMMISSION EXPIRES: April 23, 1995.
BONDED THROUGH NOTARY PUBLIC UNDERWRITERS, CCO0040

RECORD OF INSPECTIONS
TOWN OF SEWALL'S POINT, FLORIDA

CERTIFICATE OF APPROVAL FOR OCCUPANCY

Date _____

This is to request that a Certificate of Approval for Occupancy be issued to _____.

For property at _____ built under Permit No. _____ Dated _____ when completed in conformance with the Approved Plans.

Signed *Bob Damm*

ITEM	DATE	APPROVED BY (initials)
1. Form board tie in	_____	_____
2. Termite protection	_____	_____
3. Footing - slab	_____	_____
4. Rough plumbing - slab	_____	_____
5. Rough electric - slab	_____	_____
6. Lintel	_____	_____
7. Dry in (final)	_____	_____
8. Roof	_____	_____
9. Framing	_____	_____
10. Rough electric	_____	_____
11. Rough plumbing	_____	_____
12. A/C Ducts	_____	_____
13. Insulation	_____	_____
14. Final electric	_____	_____
15. Final plumbing	_____	_____
16. Final construction	_____	_____
17. As-built survey	_____	_____
18. Affidavit of cost	_____	_____

Final Inspection for Issuance of Certificate for Occupancy

Approved by Building Inspector _____ date

Approved by Building Commissioner _____ date

Utilities notified _____ date

Original Copy sent to _____ date
(owner)

(Keep carbon copy for Town files)

RECORD OF INSPECTIONS
TOWN OF SEWALL'S POINT, FLORIDA

CERTIFICATE OF APPROVAL FOR OCCUPANCY

Date 3/21/94

This is to request that a Certificate of Approval for Occupancy be issued to Mr Richard Wegman.

For property at # 8 OAKHILL way built under Permit
(street address)
No. 3478 Dated 10/5/93 when completed in conformance with the
Approved Plans.

Signed *Richard Wegman*

ITEM	DATE	APPROVED BY (initials)
1. Form board tie in	<u>10/5/93</u>	<u>OK DB</u>
2. Termite protection	<u>10/13/93</u>	<u>OK DB</u>
3. Footing - slab	<u>10/15/93</u>	<u>OK DB</u>
4. Rough plumbing - slab	<u>12/29/93</u>	<u>OK DB</u>
5. Rough electric - slab	<u>N/A</u>	<u>_____</u>
6. Lintel	<u>N/A</u>	<u>_____</u>
7. Dry in (final)	<u>12/8/93</u>	<u>OK DB</u>
8. Roof	<u>2/24/94</u>	<u>OK DB</u>
9. Framing	<u>1/5/94</u>	<u>OK DB</u>
10. Rough electric	<u>1/5/94</u>	<u>OK DB</u>
11. Rough plumbing	<u>1/5/94</u>	<u>OK DB</u>
12. A/C Ducts	<u>1/5/94</u>	<u>OK DB</u>
13. Insulation	<u>1/11/94</u>	<u>OK DB</u>
14. Final electric	<u>3/25/94</u>	<u>OK DB</u>
15. Final plumbing	<u>3/21/94</u>	<u>OK DB</u>
16. Final construction	<u>3/21/94</u>	<u>OK DB</u>
17. As-built survey	<u>3/21/94</u>	<u>OK DB</u>
18. Affidavit of cost	<u>3/21/94</u>	<u>OK DB</u>

Final Inspection for Issuance of Certificate for Occupancy

Approved by Building Inspector *Dale Brown* 3/21/94 date

Approved by Building Commissioner *C. R. ...* 3/21/94 date

Utilities notified FPL 3/21/94 date

Original Copy sent to Mr Wegman 3/21/94 date
(owner)

(Keep carbon copy for Town files)

06/10/92

AUDIT CONTROL NO.

1830474

LICENSE NO.

BATCH NO.

AMOUNT PAID

CG C005776

42420

\$140.00

CONSTRUCTION INDUSTRY LICENSING BOARD
POST OFFICE BOX 2
JACKSONVILLE, FL 32201

Richard C. Geisinger

LICENSEE SIGNATURE

WALLET CARD — FOLD HERE

STATE OF FLORIDA
DEPARTMENT OF PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY
LICENSING BOARD

CERTIFIED GENERAL CONTRACTOR

GEISINGER, RICHARD C.
INDIVIDUAL

HAS PAID THE FEE REQUIRED BY CHAPTER 489 F.S.
FOR THE YEAR EXPIRING AUG 31, 1994

Lawton Chiles
LAWTON CHILES
GOVERNOR

George Stuart, Jr.
GEORGE STUART, JR.
SECRETARY, D.P.R.

LARRY C. O'STEEN

NOTICE OF AD VALOREM TAXES & NON-AD VALOREM ASSESSMENTS

MARTIN COUNTY TAX COLLECTOR

FOR

MARTIN COUNTY

REAL ESTATE

DUPLICATE

TOTAL TAXES IF PAID

NOV 27-DEC 26	DEC 27-DEC 31	JAN 1-JAN 31	FEB 1-FEB 29	MAR 1-MAR 31
5,562.13	5,620.07	5,678.01	5,735.95	5,793.89

EX-TYPE	ESCROW CODE	MILLAGE CODE	TAXES LEVIED	MAKE CHECK PAYABLE IN U.S. FUNDS TO:
ASSESSED	0234	2200	5,793.89	LARRY C O STEEN, TAX COLLECTOR
TAXABLE		329,230	5,793.89	PO BOX 9013
				STUART, FL 34995-9013

26 37 41
 CASTLE HILL, LOT 4 PI#
 26-37-41-015-000-00040-60000

26-37-41-015-000-00040.60000 1995
 WEGMAN, RICHARD A & CELESTE M
 7 KINGSTON CT
 STUART, FL 34996

*** PAID *** PAID *** PAID ***
 12/26/95 PERIOD 01
 30-19951229-011759
 \$5,562.13 CK

MARSHA STILLER
CLERK OF CIRCUIT COURT
MARTIN COUNTY, FL

RECORDED & VERIFIED
BY  D.C.

01021450

93 SEP 28 AM 9:30

Parcel I.D. Number: 26-37-41-015-000-00040-60000
Grantee 1 TIN# 377-44-8370
Grantee 2 TIN#

WARRANTY DEED

THIS WARRANTY DEED, made this 24th day of September, 1993, by and between CASTLE HILL ASSOCIATES, INC., a Florida corporation, whose address is 2363 S.E. Ocean Boulevard, Stuart, Florida 34996, hereinafter referred to as "Grantor," and RICHARD A. WEGMAN and CELESTE M. WEGMAN, his wife, whose address is 7 Kingston Court, Stuart, FL 34996, hereinafter referred to as "Grantee".

WITNESSETH:

THAT GRANTOR, for and in consideration of the sum of Ten (\$10.00) Dollars and other good and valuable considerations to it in hand paid by Grantee, the receipt whereof is hereby acknowledged, by these presents does grant, bargain, sell, alien, remise, release, convey and confirm unto the Grantee and the heirs, executors, administrators, personal representatives, successors and assigns of Grantee, the following real property, situate, lying and being in the County of Martin, State of Florida, particularly described as follows:

Lot 4, CASTLE HILL, according to the Plat thereof, recorded in Plat Book 12, Page 89, Martin County, Florida, public records.

This conveyance is made subject to the following:

1. All of the terms, provisions, covenants, conditions, rights, privileges, obligations, easements and liens set forth and contained in the Declaration of Covenants and Restrictions for Castle Hill, the Articles of Incorporation and By-Laws of Castle Hill Homeowners Association, Inc., the Design Guidelines for Castle Hill and the hereinabove described Plat of Castle Hill, all collectively referred to as the "Homeowners Documents", and any instruments referred to therein, and any amendments thereto;
2. Applicable zoning regulations and ordinances;
3. Real estate taxes for the current year and subsequent years;
4. Any and all covenants, conditions, restrictions, reservations and easements of record, if any, which may now affect the aforescribed property.


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

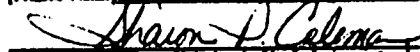
AND GRANTOR HEREBY COVENANTS with Grantee that it is lawfully seized of said land in fee simple; that it has good right and lawful authority to sell and convey said land; that it hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever.

GRANTEE, BY ACCEPTANCE HEREOF, expressly acknowledges, assumes and agrees to be bound by and to comply with all of the covenants, terms, conditions and provisions set forth and contained in the aforescribed Homeowners Documents, including, but not limited to the obligation of Grantee to make payment of assessments thereunder and the lien rights upon the Lot as security for the payment thereof.

IN WITNESS WHEREOF, Grantor has caused these presents to be executed the day and year first above written.

Signed, sealed and delivered
in the presence of:


[Printed Name] AVRON C. RIFKIN


[Printed Name] SHARON P. COLEMAN

CASTLE HILL ASSOCIATES, INC.,
a Florida corporation

By: 
Richard C. Geisinger, Jr.,
President

[Corporate Seal]

Prepared By and Return To:
Avron C. Rifkin, Esq., KOHL, BOBKO, McKEY, HIGGINS, P.A., 2400 S. Federal Highway, 4th Floor, Stuart, FL 34994

OR BK1 032 PG2 509

OWNER'S AFFIDAVIT OF BUILDING COSTS

STATE OF FLORIDA
COUNTY OF MARTIN

BEFORE ME, the undersigned notary public, personally appeared the undersigned Affiant, who, being first duly sworn, under penalties of perjury, deposes and says:

1. That Affiant is the owner or the authorized agent of the owner of certain real estate (the Property) located within the municipal limits of the Town of Sewall's Point, Florida (the Town), having the street address set forth below Affiant's signature.

2. That all of the improvements on the Property under current building permit(s) issued by the Town have been completed in substantial conformity with the plans and specifications on file with the Town and in accordance with all applicable state and local building codes.

3. That the total cost paid or to be paid by the owner for the complete construction of the improvements under the building permit(s), including the cost of all improvements shown on the plans and specifications filed with the Town and all machinery and equipment not shown thereon required to be installed as a condition for a certificate of occupancy under state and local law, is \$ 228,462.

4. That this affidavit is made for the purpose of inducing the building official of the Town to issue a certificate of occupancy for the improvements, with the intention that it be relied upon for that purpose.

[Signature]
Affiant
Property street address:
8 OAK HILL WAY
STUART

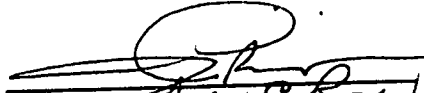
Sworn to and subscribed
before me this 21st day of
March, 1994.

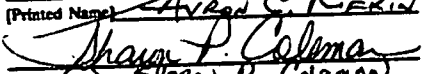
[Signature]

Notary Public
STATE OF FLORIDA AT LARGE
My Commission Expires:

(NOTARY SEAL)

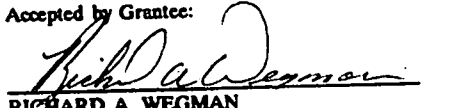
Notary Public, State of Florida
My Commission Expires Nov. 16, 1994
Bonded thru Troy Fain - Insurance Inc.

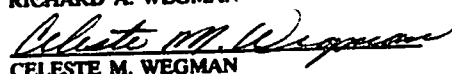


[Printed Name] AVRON C. RIFKIN


[Printed Name] SHARON P. COLEMAN

Accepted by Grantee:



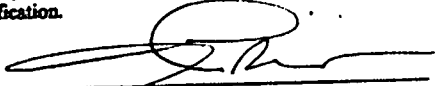
RICHARD A. WEGMAN


CELESTE M. WEGMAN

STATE OF FLORIDA
COUNTY OF MARTIN

THE FOREGOING INSTRUMENT was acknowledged before me this 24th day of September, 1993, by Richard C. Geisinger, Jr., as President, of CASTLE HILL ASSOCIATES, INC., a Florida corporation, on behalf of the corporation, who is personally known to me, or has produced _____ as identification.

My Commission Expires:

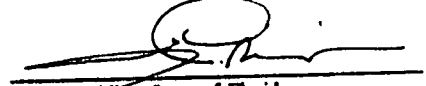


Notary Public - State of Florida
[Printed Name] AVRON C. RIFKIN
BY COMMISSION EXPIRES
May 17, 1994
BONDED THROUGH THE STATE DEPARTMENT OF REVENUE

STATE OF FLORIDA
COUNTY OF MARTIN

THE FOREGOING INSTRUMENT was acknowledged before me this 24th day of September, 1993, by RICHARD A. WEGMAN and CELESTE M. WEGMAN, his wife, who is/are personally known to me, or has/have produced _____ as identification.

My Commission Expires:



Notary Public - State of Florida
[Printed Name] AVRON C. RIFKIN
BY COMMISSION EXPIRES
May 17, 1994
BONDED THROUGH THE STATE DEPARTMENT OF REVENUE

3501

POOL

Permit No. _____

Date _____

APPLICATION FOR A PERMIT TO BUILD A DOCK, FENCE, POOL, SOLAR HEATING DEVICE, SCREENED ENCLOSURE, GARAGE OR ANY OTHER STRUCTURE NOT A HOUSE OR A COMMERCIAL BUILDING

This application must be accompanied by three (3) sets of complete plans, to scale, including a plot plan showing set-backs; plumbing and electrical layouts, if applicable; and at least two (2) elevations, as applicable.

Owner Dick & Celeste Wegman Present Address 8 Oakhill Way

Phone 8 Oakhill Way Stuart, Fla 34996

Contractor Olympic Pools of Stuart Address 1565 SW Martin Hwy

Phone 286-6070 Palm City, Fla 34990

Where licensed State of Fla. License number CPC039885

Electrical contractor _____ License number _____

Plumbing contractor _____ License number _____

Describe the structure, or addition or alteration to an existing structure, for which this permit is sought: Swimming Pool

8 Oakhill Way

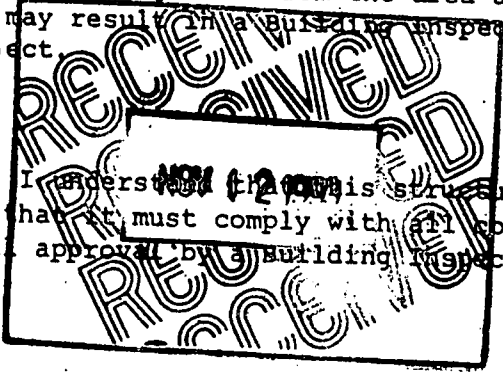
State the street address at which the proposed structure will be built: _____

Subdivision Castle Hill Lot number 4 Block number _____

Contract price \$ 13,000.00 Cost of permit \$ 200.00

Plans approved as submitted _____ Plans approved as marked _____

I understand that this permit is good for 12 months from the date of its issue and that the structure must be completed in accordance with the approved plan. I further understand that approval of these plans in no way relieves me of complying with the Town of Sewall's Point Ordinances and the South Florida Building Code. Moreover, I understand that I am responsible for maintaining the construction site in a neat and orderly fashion, policing the area for trash, scrap building materials and other debris, such debris being gathered in one area and at least once a week, or oftener when necessary, removing same from the area and from the Town of Sewall's Point. Failure to comply may result in a Building Inspector or Town Commissioner "red-tagging" the construction project.



Contractor X RSY

I understand that this structure must be in accordance with the approved plans and that it must comply with all code requirements of the Town of Sewall's Point before final approval by a Building Inspector will be given.

Owner Dick Wegman

TOWN RECORD

Date submitted _____ Approved: Dick Bro 11/12/93
Building Inspector Date

Approved: [Signature] 11/17/93 Final Approval given: _____
Commissioner Date Date

Certificate of Occupancy issued (if applicable) _____
Date

SP1282

Permit No. _____

Approval of these plans in no way relieves the contractor or builder of complying with the Town of Sewall's Point Ordinances, the South Florida Building Code and the State of Florida Model Energy Efficiency Building Code.

NO CONSTRUCTION MAY BEGIN UNTIL
NOTICE OF COMMENCEMENT
POSTED ON JOB SITE

Permit No. _____ Tax ID No. _____

NOTICE OF COMMENCEMENT

State Of Florida
County Of Martin

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.

Legal Description of property and street address, if available
lot 4 Castle Hill Seawalks PK

8 Oakhill Way

General description improvements Swimming Pool

Owner Dick + Celeste Wegman

Address 8 Oakhill Way Street, Fla 34996

Owner's interest in site of improvement _____

Fee Simple Title holder (if other than owner) _____

Address _____

Contractor Olympic Pools of Stuart Corp

Address 1565 S.W. Martin Hwy Palm City, Fla 34990

Surety _____

Address _____

Amount of Bond \$ _____

Lender _____

Address _____

Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes:

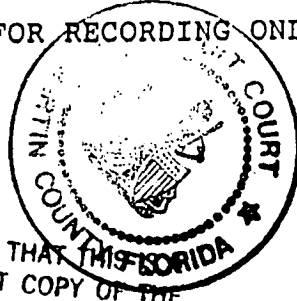
Name _____

Address _____

In addition to himself, owner designates _____ of _____ to receive a copy of the Lienor's Notice as provided in Section 713.12 (1) (b), Florida Statutes.

Expiration date of notice of commencement (the expiration date is one year from the date of recording unless a different date is specified). _____

THIS SPACE FOR RECORDING ONLY



STATE OF FLORIDA
COUNTY OF MARTIN
THIS IS TO CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL.

Dick Wegman
OWNERS NAME
STATE OF FLORIDA
COUNTY OF Martin
The foregoing instrument was acknowledged before me this 3, day of November, 1993, by Richard Wegman, who is personally known to me or who has produced _____ as identification.

MARSHA STILLER, CLERK
BY Marsha Stiller D.C.
DATE 11-12-93

(seal)

John K. Davier Jr
SIGNATURE OF NOTARY
John K. Davier Jr
TYPE OR PRINT NAME OF NOTARY
NOTARY PUBLIC TITLE
COMMISSION NUMBER _____

NOTARY PUBLIC, STATE OF FLORIDA AT LARGE
MY COMMISSION EXPIRES MAY 07, 1995
BONDED THRU AGENT'S SIGNATURE
NOTARY PUBLIC, STATE OF FLORIDA AT LARGE
MY COMMISSION EXPIRES MAY 07, 1995

4039

POOL DECK

TAX FOLIO NO. 26374/01500000040600

DATE Aug 20, 96

APPLICATION FOR A PERMIT TO BUILD A DOCK, FENCE, POOL, SOLAR HEATING DEVICE, SCREENED ENCLOSURE, GARAGE OR ANY OTHER STRUCTURE NOT A HOUSE OR A COMMERCIAL BUILDING

This application must be accompanied by three (3) sets of complete plans, to scale, including a plot plan showing set-backs, plumbing and electrical layouts, if applicable, and at least two (2) elevations, as applicable.

Owner Marybeth Gill Present address 8 Oakhill Way

Phone (407) 223-4015

Contractor Connery Concrete Address 1501 Decker Ave

Phone 407 288-1072 Stuart, FL 34994

Where licensed Florida License number CGC023769

Electrical Contractor _____ License number _____

Plumbing Contractor _____ License number _____

Describe the structure, or addition or alteration to an existing structure, for which this permit is sought: Concrete pool deck to be placed around inground pool

State the street address at which the proposed structure will be built:

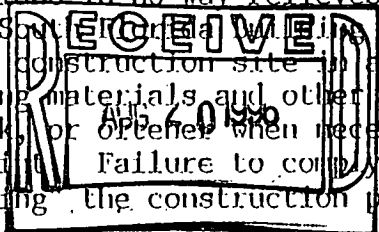
8 Oakhill way, Sewalls PT

Subdivision Castle Hill Lot Number 4 Block Number —

Contract price \$ 2400.00 Cost of permit \$ _____

Plans approved as submitted _____ Plans approved as marked _____

I understand that this permit is good for 12 months from the date of its issue and that the structure must be completed in accordance with the approved plan. I further understand that approval of these plans in no way relieves me of complying with the Town of Sewall's Point Ordinances and the South Florida Building Code. Moreover, I understand that I am responsible for maintaining the construction site in a neat and orderly fashion, policing the area for trash, scrap building materials and other debris, such debris being gathered in one area and at least once a week, or oftener when necessary, removing same from the area and from the Town of Sewall's Point. Failure to comply may result in a Building Inspector or Town Commissioner "Red-Tagging" the construction project.



Contractor George B Marshall

I understand that this structure must be in accordance with the approved plans and that it must comply with all code requirements of the Town of Sewall's Point before final approval by a Building Inspector will be given.

Owner Marybeth Gill

TOWN RECORD

Date submitted _____

Approved: Dale Brun
Building Inspector Date

Approved: [Signature]
Commissioner Date

Final approval given: _____
Date

CERTIFICATE OF OCCUPANCY issued (if applicable) _____
Date

PERMIT NO. _____

IN CONSIDERATION OF THE GRANTING OF THIS REQUESTED PERMIT, I DO HEREBY AGREE THAT I WILL, IN ALL RESPECTS, PERFORM THE WORK IN ACCORDANCE WITH THE APPROVED PLANS AND THE STANDARD BUILDING CODE AND MARTIN COUNTY AMENDMENTS.

ALL PLANS SUBMITTED ARE VERIFIED TO BE ACCURATE BY THE UNDERSIGNED.

OWNER'S AFFIDAVIT: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

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.

I UNDERSTAND THE ISSUING AUTHORITY SHALL VERIFY AT THE FIRST INSPECTION WHICH OCCURS AFTER THE BUILDING PERMIT HAS BEEN ISSUED THAT A CERTIFIED COPY OF THE RECORDED NOTICE OF COMMENCEMENT HAS BEEN POSTED IN ACCORDANCE WITH S. 713.13. IN THE ABSENCE OF SUCH VERIFICATION, THE ISSUING AUTHORITY WILL NOT APPROVE THE INSPECTION.

Mammoth Gill
SIGNATURE OF OWNER

[Signature]
SIGNATURE OF CONTRACTOR

DATE 8/15/98

DATE 8/14/98

Julie Tilton Haggas
NOTARY PUBLIC, STATE OF FL

[Signature]
NOTARY PUBLIC, STATE OF FL.

PERSONALLY KNOWN ✓

PERSONALLY KNOWN ✓

PRODUCED ID _____

PRODUCED ID _____

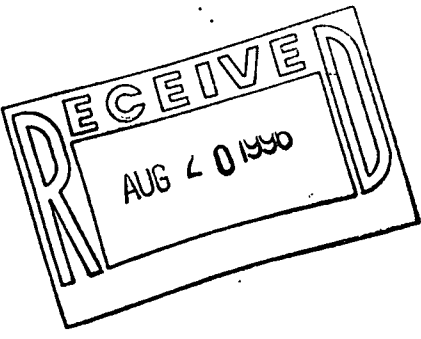
TYPE _____

TYPE _____

Julie Tilton Haggas
MY COMMISSION # CC542012 EXPIRES
March 24, 2000
BONDED THRU TROY FAIR INSURANCE, INC.



JEANNE RAMOS ENRICO
My Comm. Exp. 5/17/98
Bonded By Service Ins. Co.
No. CC372761
 Personally Known
 Other I.D.



MARYbeth Gill
 8 Oakhill Way
 Castle Hill
 Sewalls Point
 407-223-4015

1,400 S.F.

Closed in Porch

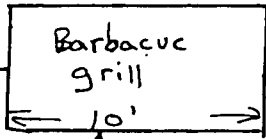
Window

one foot Drop from porch

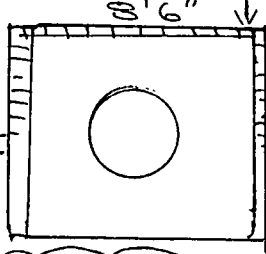
52'-6"

House

Wooden Porch

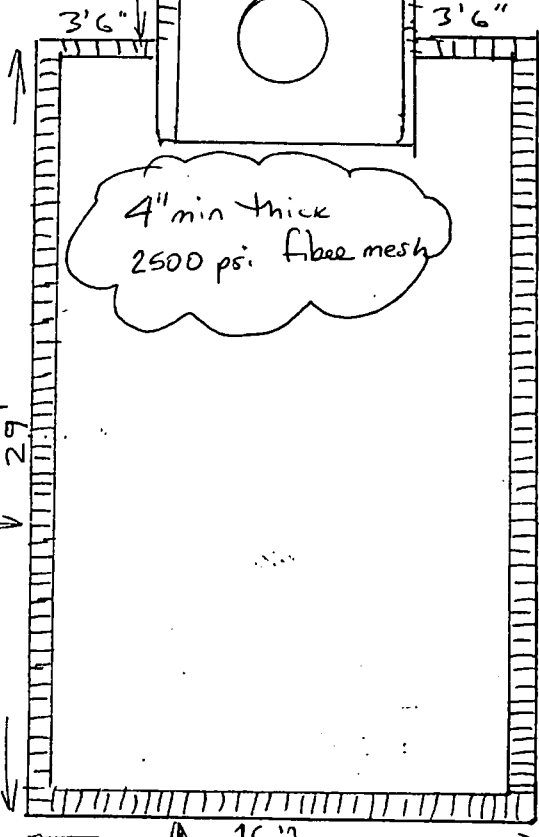


grass

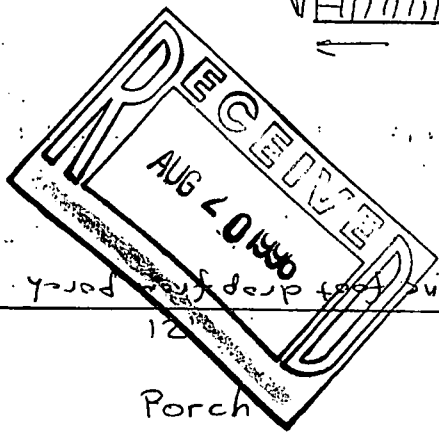


grass

grass



58'



IMPORTANT NOTICE

ALL CONSTRUCTION IN MARTIN COUNTY MUST MEET CODE.

Failure to provide complete specifications and construction details on the building plans, does not relieve the building designer and permit holder from responsibility for compliance with the applicable sections and editions of the following codes:

- 1. Standard Building Code (110 MPH Windload)
- 2. Hurricane Resistant Construction Standard (SSTD 10-81)
- 3. Standard Mechanical Code
- 4. Standard Plumbing Code
- 5. Fla. Energy Code
- 6. Fla. Accessibility Code/A.D.A.
- 7. National Electric Code
- 8. N.F.P.A. Fire Codes & Standards
- 9. F.E.M.A. National Flood Insurance Program
- 10. Martin County Code of Laws and Ordinances

Martin County Building Division Inspections - 280-5439 Plan Review - 280-6833

REVIEWED

Date 8/16/96

COMMENT:

21'

4060

FENCE

TOWN OF SEWALL'S POINT FLORIDA

Permit No. _____

Date 9-18-96

APPLICATION FOR A PERMIT TO BUILD A DOCK, FENCE, POOL, SOLAR HEATING DEVICE, SCREENED ENCLOSURE, GARAGE OR ANY OTHER STRUCTURE NOT A HOUSE OR A COMMERCIAL BUILDING.

This application must be accompanied by three sets of complete plans, to scale, including a plot plan showing set backs; plumbing and electrical layouts, if applicable, and at least two elevations, as applicable.

Owner Mrs Gill Present address 8 oak hill way

Phone 223-4015

Contractor MARTIN FENCE CO. Address _____

Phone 930-9303 862 EAST STREET LAKE PARK, FL 33403

Where licensed Martin County License number SP00056

Electrical contractor _____ License number _____

Plumbing contractor _____ License number _____

Describe the structure, or addition or alteration to an existing structure, for which this permit is sought: 4' white Alumi. fence ground

Pool

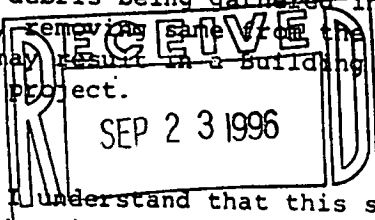
State the street address at which the proposed structure will be built: _____

Subdivision Castle Hill Lot No. 4

Contract price \$ 2100.00 Cost of Permit \$ 25.05

Plans approved as submitted _____ Plans approved as marked _____

I understand that this permit is good for 12 months from the date of its issue and that the structure must be completed in accordance with the approved plan. I further understand that approval of these plans in no way relieves me of complying with the Town of Sewall's Point Ordinances and the South Florida Building Code. Moreover, I understand that I am responsible for maintaining the construction site in a neat and orderly fashion, policing the area for trash, scrap building materials and other debris, such debris being gathered in one area and at least once a week, or oftener when necessary, removed from the area and from the Town of Sewall's Point. Failure to comply may result in a Building Inspector or a Town Commissioner "Red-tagging" the construction project.



Contractor [Signature]

I understand that this structure must be in accordance with the approved plans and that it must comply with all code requirements of the Town of Sewall's Point before final approval by a Building Inspector will be given.

Owner [Signature]

TOWN RECORD

Date submitted _____

Approved: [Signature] Building Inspector Date _____

Approved: [Signature] Commissioner Date _____

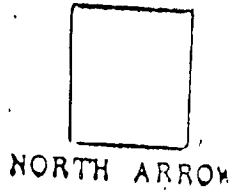
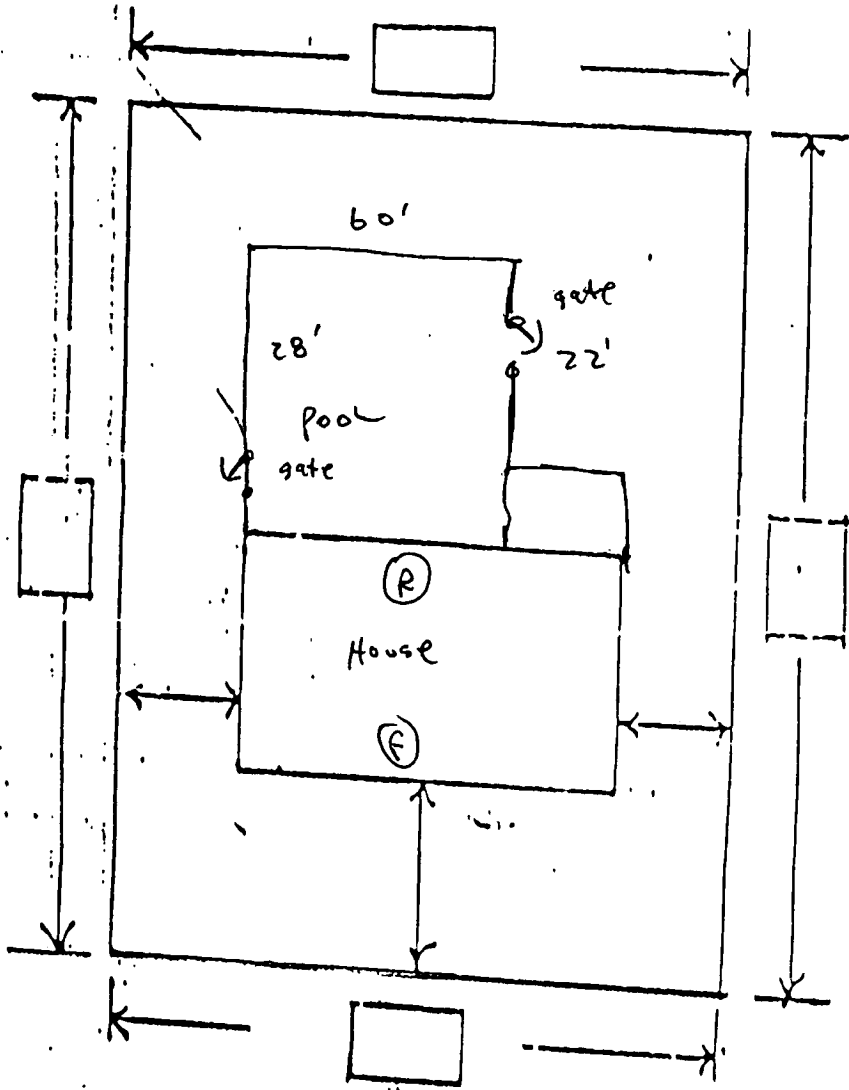
Final Approval given: _____

Date

Certificate of Occupancy issued _____

Date

PLAT PLAN



Indicate fence with small x x x x

Address: 8 Oak Hill way

Owners Name: Gill

Subdivision: _____ Lot: _____ Blk: _____ Zone: _____

Valuation: _____

Type of Fence: _____ Height of Fence: _____

Type of Posts: (1) Corner: _____ (2) Line: _____

Distance between Posts: _____ Top Rail Size: _____ Depth in Ground: _____

Length of Fence: _____ In Conc. yes or no

4459

FENCE

4459

Town of Sewall's Point

PLN. _____

Date _____

BUILDING PERMIT APPLICATION

to construct

NEW CONSTRUCTION ADDITION ALTERATION DEMOLITION

RESIDENTIAL COMMERCIAL _____ SF _____ CF

OTHER: C.L. FENCER 4" GREEN VINYL CONTRACT PRICE \$1146.00

Owner's Name Mrs. Marybeth GILL 233-4015

Owner's Address 8 OAKHILL WAY

Fee Simple Titleholder's Name (If other than owner) _____

Fee Simple Titleholder's Address (If other than owner) _____

City _____ State _____ Zip _____

Contractor's Name B+B CONCRETE + FENCER

Contractor's Address 700 NW BUCK HENDRY WAY

City STUART State FL Zip 34984

Job Name GILL

Job Address 8 OAKHILL WAY

City SEWALL'S PT State FL Zip _____

Legal Description LOT 4 CASTLE HILL

Bonding Company _____

Bonding Company Address _____

City _____ State _____ Zip _____

Architect/Engineer's Name _____

Architect/Engineer's Address _____

Mortgage Lender's Name _____

Mortgage Lender's Address _____

Fee \$50.00

Application is hereby made to obtain a permit to do the 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 will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, FURNACES, BOILERS, HEATERS, TANKS, and AIR CONDITIONERS.

Mecey - cover
They get a
did get per
permit Mecey
no lic.
no w.c.

Does
Castle Hill
allow chain
link fences?
Mecey -
red tag job -
fence completed
without permit
Doubt Fee - Basis

NOTICE OF VIOLATION

Sept 9, 1998

M/M Gill
E Oakhill Way
SEWALL'S POINT, FL.

This is to notify you that you are in violation of;

Chapter 4 Sewalls Point Code of Ordinances
and South Florida Building Code - to wit:
Construction of a fence without proper Permit.

BEING OWNER OF SAID PROPERTY;

Town of Sewall's Point -
E Oakhill way

You are directed to correct the above violations within 10 days. Failure to do so in the time allowed will result in your being issued a notice to appear before the Code Enforcement Board of the Town of Sewall's Point, Fl.. You may be fined up to \$250.00 per day per violation.

Have contractor obtain proper permit

If you should have any questions concerning this or any other matter please do not hesitate to call Town Hall.

case # 98- 221

Robert A Bott
Code Enforcement Officer
Town of Sewall's Point

Hand delivered / posted
9-9-98

8 Oakhill way

INDEPENDENT INSPECTIONS, LTD.

This Plan has been reviewed and approved for permitting.

Discipline	Initials	Date
Zoning	① (Need survey showing fence) ② Castlehill HOA approval	7-8-98
Structural	Ⓞ see note S/B	
Plumbing	NA	
Mechanical	NA	
Electrical	NA	
Fire	NA	
Health	NA	

★ Note ① Walk thru gates are to be self closing & latching
② 303.3 SBC - work done w/o permit is double fee
4-18C SPCO ~~plus 100.00~~

OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning.

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.

William Bush 7-2-98
Owner or Agent Date

B+B CONCRETE - FERRIS 7-2-98
Contractor Date

COUNTY OF MARTIN
STATE OF FLORIDA

Sworn to and subscribed before me this 2nd day of July, 1998 by William Bush

H-d-l. who: [] is/are personally known to me, or [] has/have produced _____ as identification, and who did not take an oath.

Joan H Barrow

Name: _____

Typed, printed or stamped

(NOTARY SEAL)

OFFICIAL NOTARY SEAL
JOAN H BARROW
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO. CC423705
MY COMMISSION EXP. NOV. 30, 1998

I am a Notary Public of the State of Florida having a commission number of _____

_____ and my commission expires: _____

STATE OF FLORIDA
COUNTY OF MARTIN

Sworn to and subscribed before me this ___ day of ___, 199_ by _____

_____ who: [] is/are personally known to me, or [] has/have produced _____ as identification, and who did not take an oath.

Name: _____

Typed, printed or stamped

(NOTARY SEAL)

I am a Notary Public of the State of Florida having a commission number of _____

_____ and my commission expires: _____

Certificate of Competency Holder

Contractor's State Certification or Registration No. _____

Contractor's Certificate of Competency No. MARTIN CT SP0 1978

APPLICATION APPROVED BY _____ Permit Officer

_____ Building Commissioner

Valerie A. Messinger
388-5482



Concrete - Fence Inc.

3PO 1978

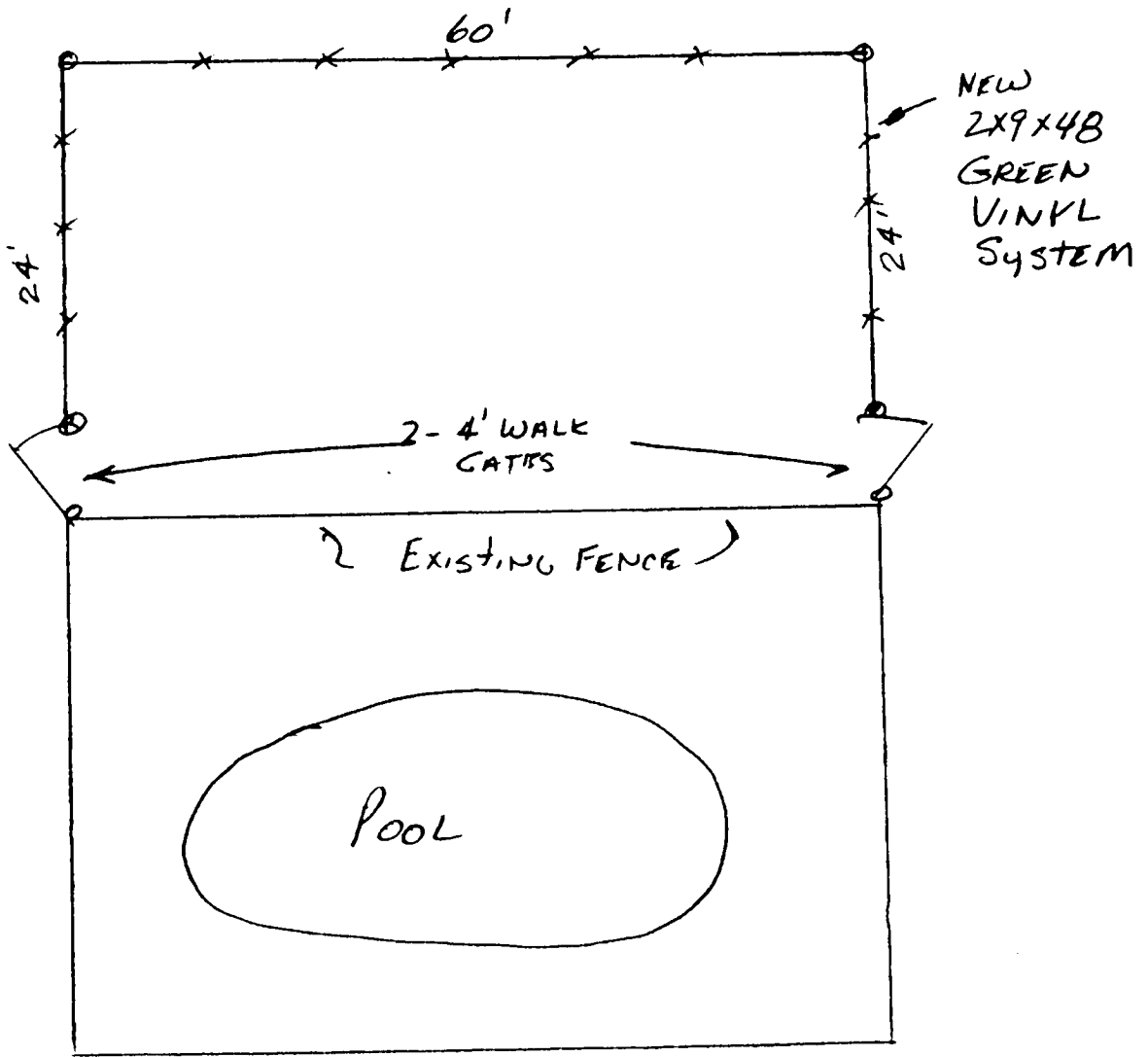
Nº 2907

DATE _____

SOLD TO Mrs. GILL
8 OAKHILL WAY
Deliver To SEWELL'S POINT

MESH	2x9x48
FRAME	GREEN VINYL
FINISH	GREEN

\$1146





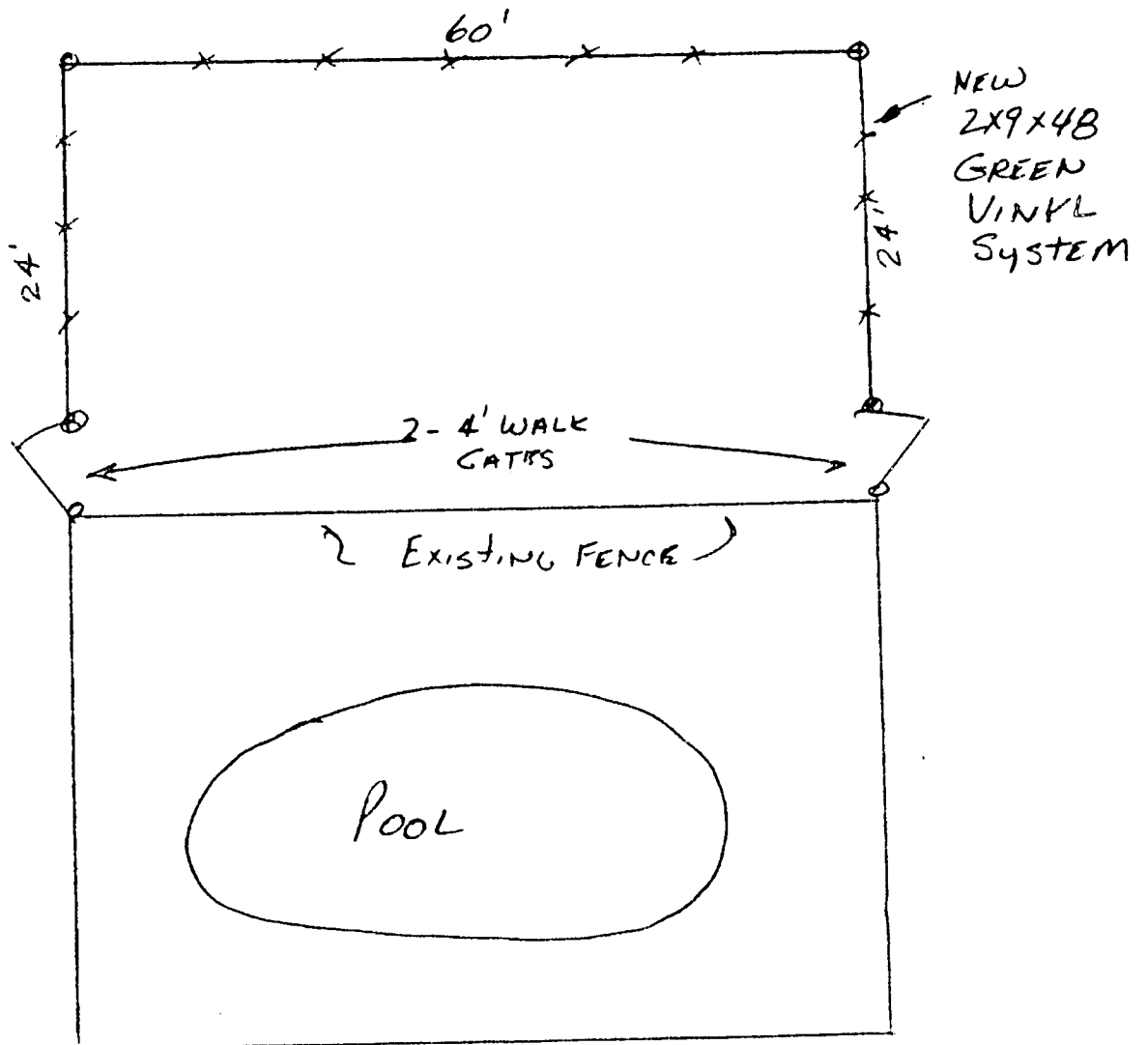
Concrete - Fence Inc.

Nº 2907

DATE _____

SOLD TO Mrs. GILL
8 OAKHILL WAY
Deliver To SEWELL'S POINT

MESH	2x9x48
FRAME	GREEN VINYL
FINISH	GREEN



6635

FENCE

MASTER PERMIT NO. _____

TOWN OF SEWALL'S POINT

Date 3/16/04

BUILDING PERMIT NO. 6635

Building to be erected for GILL

Type of Permit FENCE

Applied for by O/B

(Contractor) Building Fee 30.00

Subdivision CASTLE HILL Lot 4

Block _____ Radon Fee _____

Address 8 OAK HILL WAY

Impact Fee _____

Type of structure FENCE

A/C Fee _____

Parcel Control Number:

2637410150000004060000

Electrical Fee _____

Plumbing Fee _____

Amount Paid 30.00

Check # _____

Cash

Other Fees (_____)

Roofing Fee _____

Total Construction Cost \$ 3500.00

TOTAL Fees 30.00

Signed Marybeth Gill
Applicant

Signed Gene Simmons (ROS)
Town Building Official

PERMIT

- | | | |
|---|--|---|
| <input type="checkbox"/> BUILDING | <input type="checkbox"/> ELECTRICAL | <input type="checkbox"/> MECHANICAL |
| <input type="checkbox"/> PLUMBING | <input type="checkbox"/> ROOFING | <input type="checkbox"/> POOL/SPA/DECK |
| <input type="checkbox"/> DOCK/BOAT LIFT | <input type="checkbox"/> DEMOLITION | <input checked="" type="checkbox"/> FENCE |
| <input type="checkbox"/> SCREEN ENCLOSURE | <input type="checkbox"/> TEMPORARY STRUCTURE | <input type="checkbox"/> GAS |
| <input type="checkbox"/> FILL | <input type="checkbox"/> HURRICANE SHUTTERS | <input type="checkbox"/> RENOVATION |
| <input type="checkbox"/> TREE REMOVAL | <input type="checkbox"/> STEMWALL | <input type="checkbox"/> ADDITION |

INSPECTIONS

- | | |
|-----------------------------------|------------------------------|
| UNDERGROUND PLUMBING _____ | UNDERGROUND GAS _____ |
| UNDERGROUND MECHANICAL _____ | UNDERGROUND ELECTRICAL _____ |
| STEMWALL FOOTING _____ | FOOTING _____ |
| SLAB _____ | TIE BEAM/COLUMNS _____ |
| ROOF SHEATHING _____ | WALL SHEATHING _____ |
| TRUSS ENG/WINDOW/DOOR BUCKS _____ | LATH _____ |
| ROOF TIN TAG/METAL _____ | ROOF-IN-PROGRESS _____ |
| PLUMBING ROUGH-IN _____ | ELECTRICAL ROUGH-IN _____ |
| MECHANICAL ROUGH-IN _____ | GAS ROUGH-IN _____ |
| FRAMING _____ | EARLY POWER RELEASE _____ |
| FINAL PLUMBING _____ | FINAL ELECTRICAL _____ |
| FINAL MECHANICAL _____ | FINAL GAS _____ |
| FINAL ROOF _____ | BUILDING FINAL _____ |

Date: **RECEIVED**

Permit Number: _____

Town of Sewall's Point BUILDING PERMIT APPLICATION

MAR 15 2004

OWNER/TITLEHOLDER NAME: Marybeth Gill Phone (Day) 223-4015 (Fax) _____

Job Site Address: 8 OAK Hill way City: Stuart State: FL Zip: 34996

Legal Desc. Property (Subd/Lot/Block) Castle Hill Parcel Number: Lot 1, 2637410150000004060000

Owner Address (if different): _____ City: _____ State: _____ Zip: _____

Description of Work To Be Done: Fence put up towards the road

WILL OWNER BE THE CONTRACTOR?: Yes No (If no, fill out the Contractor & Subcontractor sections below)

CONTRACTOR/Company: Shadowood Farms Phone: 283-4375 Fax: _____

Street: _____ City: _____ State: _____ Zip: _____

State Registration Number: _____ State Certification Number: _____ Martin County License Number: _____

COST AND VALUES: Estimated Cost of Construction or Improvements: \$ 3500.00 (Notice of Commencement needed over \$2500)

SUBCONTRACTOR INFORMATION:

Electrical: _____ State: _____ License Number: _____

Mechanical: _____ State: _____ License Number: _____

Plumbing: _____ State: _____ License Number: _____

Roofing: _____ State: _____ License Number: _____

ARCHITECT _____ Phone Number: _____

Street: _____ City: _____ State: _____ Zip: _____

ENGINEER _____ Phone Number: _____

Street: _____ City: _____ State: _____ Zip: _____

AREA SQUARE FOOTAGE - SEWER - ELECTRIC Living: _____ Garage: _____ Covered Patios: _____ Screened Porch: _____

Carpport: _____ Total Under Roof _____ Wood Deck: _____ Accessory Building: _____

I understand that a separate permit from the Town may be required for ELECTRICAL, PLUMBING, MECHANICAL, SIGNS, POOLS, WELLS, FURNACE, BOILERS, HEATERS, TANKS DOCKS, SEA WALLS, ACCESSORY BUILDING, SAND OR FILL ADDITION OR REMOVAL, AND TREE REMOVAL AND RELOCATIONS.

CODE EDITIONS IN EFFECT AT TIME OF APPLICATION: Florida Building Code (Structural, Mechanical, Plumbing, Gas): 2001
National Electrical Code: 2002 Florida Energy Code: 2001 Florida Accessibility Code: 2001

I HEREBY CERTIFY THAT THE INFORMATION I HAVE FURNISHED ON THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND I AGREE TO COMPLY WITH ALL APPLICABLE CODES, LAWS AND ORDINANCES DURING THE BUILDING PROCESS.

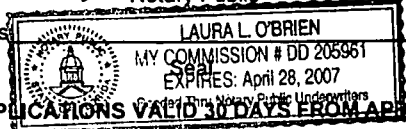
OWNER OR AGENT SIGNATURE (required)
Marybeth Gill
State of Florida, County of: MARTIN
This the 15TH day of MARCH, 2004
by MARYBETH GILL who is personally
known to me or produced PH.D. G400540-58 725-0
as identification. [Signature]

Notary Public
My Commission Expires: _____

CONTRACTOR SIGNATURE (required)

On State of Florida, County of: _____
This the _____ day of _____, 200
by _____ who is personally
known to me or produced _____
as identification. _____

Notary Public
My Commission Expires: _____



PERMIT APPLICATIONS VALID 30 DAYS FROM APPROVAL NOTIFICATION - PLEASE PICK UP YOUR PERMIT PROMPTLY!

TO BE COMPLETED WHEN CONSTRUCTION VALUE EXCEEDS \$2500.00

PERMIT # 6635

TAX FOLIO # _____

NOTICE OF COMMENCEMENT

STATE OF Florida

COUNTY OF Martin

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.

LEGAL DESCRIPTION OF PROPERTY (INCLUDE STREET ADDRESS IF AVAILABLE):

Lot 4, 2 Castle Hill Parcel # 263741015000004060000

GENERAL DESCRIPTION OF IMPROVEMENT: Fence

OWNER: Marybeth Gill

ADDRESS: 8 Oak Hill Way, Stuart FL 34996

PHONE #: 223-4015

FAX #: _____

CONTRACTOR: Shadowood Farms

ADDRESS: Palma City

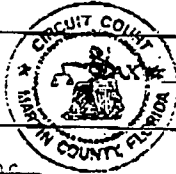
PHONE #: 283-4375

FAX #: _____

SURETY COMPANY (IF ANY)

STATE OF FLORIDA
ADDRESS: Martin County

PHONE # _____
BOND AMOUNT _____
THIS IS TO CERTIFY THAT THE FOREGOING PAGES IS A TRUE AND CORRECT COPY OF THE ORIGINAL.



LENDER: _____
BY: T. Copus

ADDRESS: _____
DATE: 3-17-04

PHONE #: _____

FAX #: _____

PERSONS WITHIN THE STATE OF FLORIDA DESIGNATED BY OWNER UPON WHOM NOTICES OR OTHER DOCUMENTS MAY BE SERVED AS PROVIDED BY SECTION 713.13(1)(A)7., FLORIDA STATUTES:

NAME: _____

ADDRESS: _____

PHONE #: _____

FAX #: _____

IN ADDITION TO HIMSELF, OWNER DESIGNATES _____ OF _____ TO RECEIVE A COPY OF THE LIENOR'S NOTICE AS PROVIDED IN SECTION 713.13(1)(B), FLORIDA STATUTES.

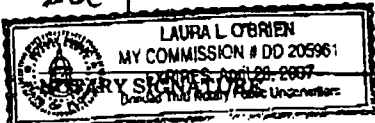
PHONE #: _____

FAX #: _____

EXPIRATION DATE OF NOTICE OF COMMENCEMENT:
THE EXPIRATION DATE IS ONE (1) YEAR FROM THE DATE OF RECORDING UNLESS A DIFFERENT DATE IS SPECIFIED ABOVE.

Marybeth Gill
SIGNATURE OF OWNER

SWORN TO AND SUBSCRIBED BEFORE ME THIS 15 DAY OF March 2004 BY MARYBETH GILL



OR PERSONALLY KNOWN PRODUCED ID TYPE OF ID _____

TOWN OF SEWALL'S POINT
ONE SOUTH SEWALL'S POINT ROAD
SEWALL'S POINT, FLORIDA 34996

TOWN OF SEWALL'S POINT OWNER/BUILDER AFFIDAVIT
(To be submitted if permit is to be pulled by Owner/Builder)

DISCLOSURE STATEMENT

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 even through you do not have a license. You must supervise 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 at a cost of \$25,000 or less. The building must be for your own use and occupancy. It may not be built for sale or lease. If you sell or lease a building you have built yourself within 1 year after the construction is complete, the law will presume that you built it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person as your contractor. 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. Any person working on your building who is not licensed must work under your 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. Florida Statutes 489.103(7).

I have read the above and agree to comply with the provisions as stated.

Name: Marybeth Gill Date: 3/15/04

Signature: Marybeth Gill

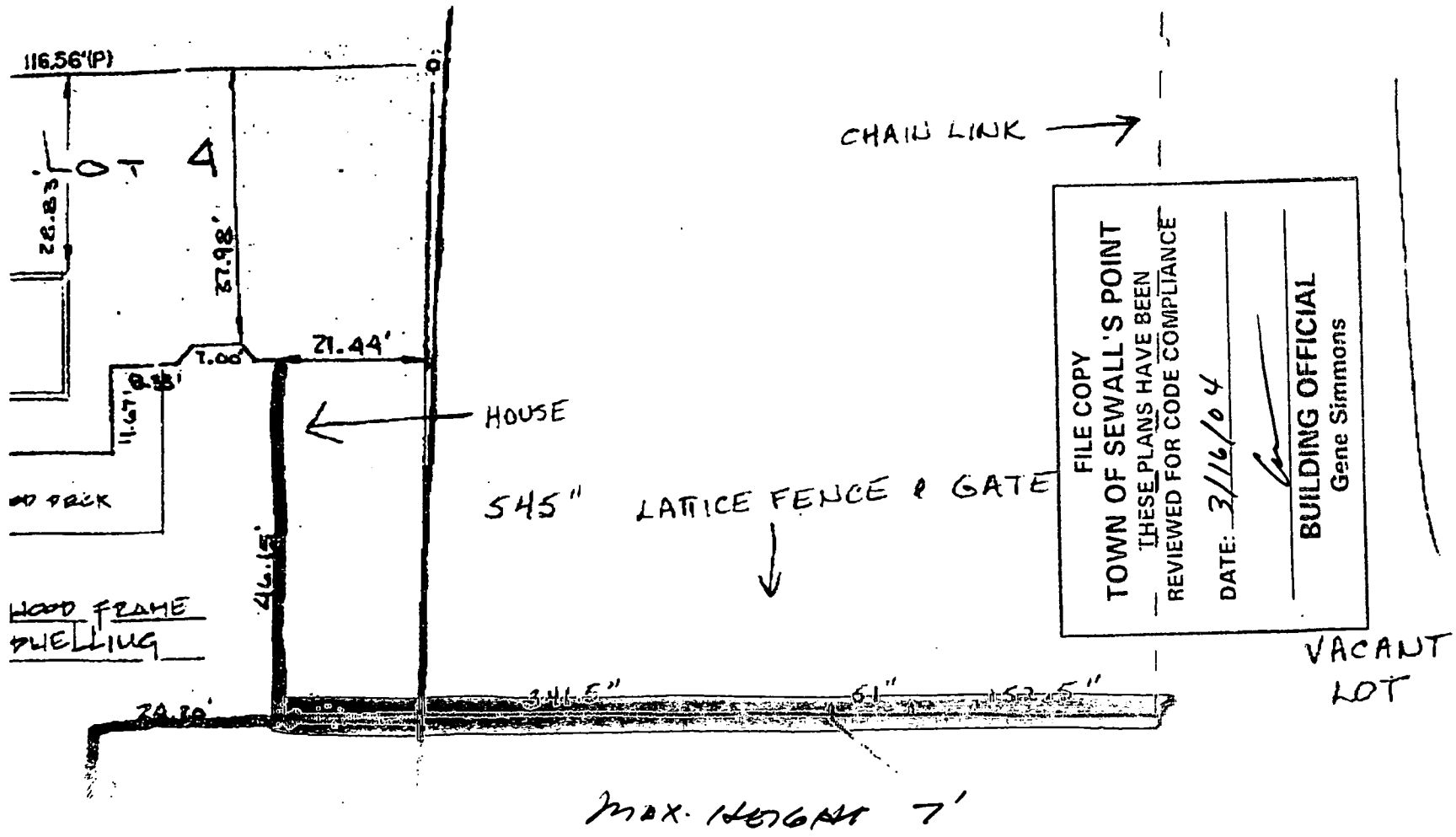
Address: 8 OAK HILL WAY

City & State: Stuart, FL

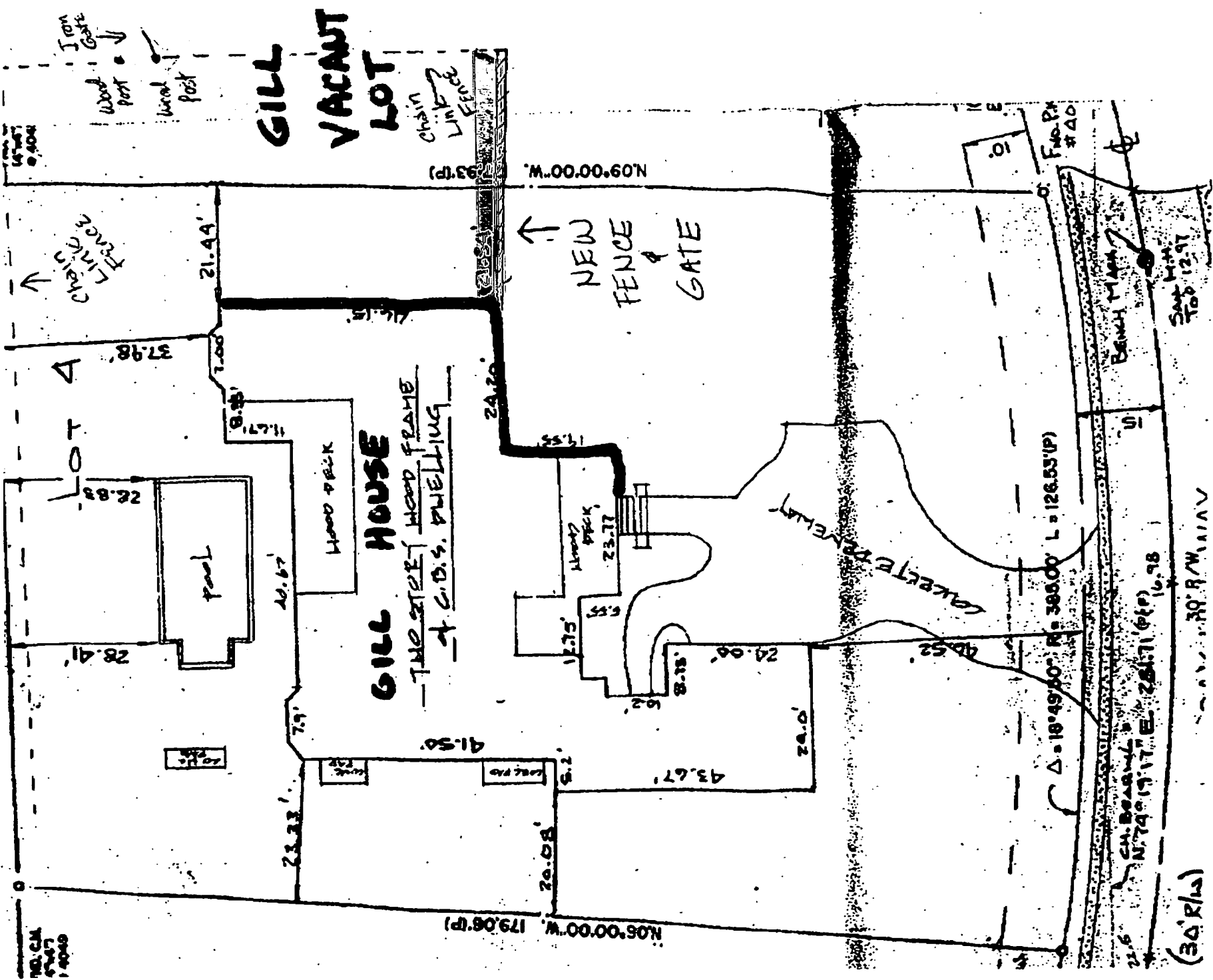
Permit No. _____

This form is for all permits except electrical.

Gill Residence, Oakhill Way, Front Fence Diagram



FILE COPY
 TOWN OF SEWALL'S POINT
 THESE PLANS HAVE BEEN
 REVIEWED FOR CODE COMPLIANCE
 DATE: 3/16/04
 BUILDING OFFICIAL
 Gene Simmons



TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri 8/27, 2004 Page 1 of 3

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
	RADER	SPERMUAN FRES	FAIL	
1	5 HERITAGEWAY	PREPARE (FIRST PLEASE!)		INSPECTOR: <i>[Signature]</i>
6480	WADE	FOOTING - ^{RET.} WALL	FAIL	
2	9 E HIGH POINT PING ORCHARD			INSPECTOR: <i>[Signature]</i>
7	GILL 8 OAK HILL WAY	TREE	PASS	INSPECTOR: <i>[Signature]</i>
6672	GILL	FILL (FINAL)	PASS	
8	8 OAK HILL WAY O/B			INSPECTOR: <i>[Signature]</i>
6633	GILL	FINAL	PASS	CLOSE
9	8 OAK HILL WAY O/B			INSPECTOR: <i>[Signature]</i>
* 6261	SMITH	STAIRWELL REV.	CANCEL	
13	7 SIMARD SUNRISE CONST			INSPECTOR: <i>[Signature]</i>
* 6885	HAKOOR BAY	FINAL ELEC	FAIL	
12	3725 E OCEAN #207 JANDREAUX	- BUILDING		INSPECTOR: <i>[Signature]</i>
OTHER: <u>34 S. SEWALL'S PT.</u>				

MASTER PERMIT NO. _____

TOWN OF SEWALL'S POINT

Date 4/7/04

BUILDING PERMIT NO. 6672

Building to be erected for GILL Type of Permit FILL

Applied for by O/B (Contractor) Building Fee 35.00

Subdivision CASTLE HILL Lot 4 Block _____ Radon Fee _____

Address 8 OAK HILL WAY Impact Fee _____

Type of structure FILL A/C Fee _____

Parcel Control Number: _____ Electrical Fee _____

2637410150000004060000 Plumbing Fee _____

Amount Paid 35.00 Check # _____ Cash Other Fees (_____) _____

Total Construction Cost \$ 125.30 TOTAL Fees 35.00

Signed [Signature]
Applicant

Signed [Signature]
Town Building Official

PERMIT

- | | | |
|---|--|--|
| <input type="checkbox"/> BUILDING | <input type="checkbox"/> ELECTRICAL | <input type="checkbox"/> MECHANICAL |
| <input type="checkbox"/> PLUMBING | <input type="checkbox"/> ROOFING | <input type="checkbox"/> POOL/SPA/DECK |
| <input type="checkbox"/> DOCK/BOAT LIFT | <input type="checkbox"/> DEMOLITION | <input type="checkbox"/> FENCE |
| <input type="checkbox"/> SCREEN ENCLOSURE | <input type="checkbox"/> TEMPORARY STRUCTURE | <input type="checkbox"/> GAS |
| <input checked="" type="checkbox"/> FILL | <input type="checkbox"/> HURRICANE SHUTTERS | <input type="checkbox"/> RENOVATION |
| <input type="checkbox"/> TREE REMOVAL | <input type="checkbox"/> STEMWALL | <input type="checkbox"/> ADDITION |

INSPECTIONS

UNDERGROUND PLUMBING	_____	UNDERGROUND GAS	_____
UNDERGROUND MECHANICAL	_____	UNDERGROUND ELECTRICAL	_____
STEMWALL FOOTING	_____	FOOTING	_____
SLAB	_____	TIE BEAM/COLUMNS	_____
ROOF SHEATHING	_____	WALL SHEATHING	_____
TRUSS ENG/WINDOW/DOOR BUCKS	_____	LATH	_____
ROOF TIN TAG/METAL	_____	ROOF-IN-PROGRESS	_____
PLUMBING ROUGH-IN	_____	ELECTRICAL ROUGH-IN	_____
MECHANICAL ROUGH-IN	_____	GAS ROUGH-IN	_____
FRAMING	_____	EARLY POWER RELEASE	_____
FINAL PLUMBING	_____	FINAL ELECTRICAL	_____
FINAL MECHANICAL	_____	FINAL GAS	_____
FINAL ROOF	_____	BUILDING FINAL	_____

RECEIVED
APR 06 2004

Town of Sewall's Point
BUILDING PERMIT APPLICATION

Permit Number: _____

OWNER/TITLEHOLDER NAME: Mary Beth Gill Phone (Day) 223-4015 (Fax) _____

Job Site Address: 8 Oak Hill Way City: Stuart State: FL Zip: 34996

Legal Description of Property: Lot 4, Castle Hill parcel # Parcel Number: 2637410150000004060000

Owner Address (if different): _____ City: _____ State: _____ Zip: _____

Description of Work To Be Done: Fill addition to wood fence

WILL OWNER BE THE CONTRACTOR?: Yes No (If no, fill out the Contractor & Subcontractor sections below)

CONTRACTOR/Company: Shadowood Farms Phone: 283-4375 Fax: _____

Street: Palm city City: _____ State: FL Zip: _____

State Registration Number: _____ State Certification Number: _____ Martin County License Number: _____

COST AND VALUES: Estimated Cost of Construction or Improvements: \$ _____ (Notice of Commencement needed over \$2500)

SUBCONTRACTOR INFORMATION:

Electrical: _____ State: _____ License Number: _____
Mechanical: _____ State: _____ License Number: _____
Plumbing: _____ State: _____ License Number: _____
Roofing: _____ State: _____ License Number: _____

ARCHITECT _____ Phone Number: _____
Street: _____ City: _____ State: _____ Zip: _____

ENGINEER _____ Phone Number: _____
Street: _____ City: _____ State: _____ Zip: _____

AREA SQUARE FOOTAGE - SEWER - ELECTRIC Living: _____ Garage: _____ Covered Patios: _____ ScreenedPorch: _____
Carport: _____ Total Under Roof _____ Wood Deck: _____ Accessory Building: _____

I understand that a separate permit from the Town may be required for ELECTRICAL, PLUMBING, MECHANICAL, SIGNS, POOLS, WELLS, FURNACE, BOILERS, HEATERS, TANKS DOCKS, SEA WALLS, ACCESSORY BUILDING, SAND OR FILL ADDITION OR REMOVAL, AND TREE REMOVAL AND RELOCATIONS.

CODE EDITIONS IN EFFECT AT TIME OF APPLICATION: National Electrical Code: 2002 Florida Building Code (Structural, Mechanical, Plumbing, Gas): 2001 Florida Energy Code: 2001 Florida Accessibility Code: 2001

I HEREBY CERTIFY THAT THE INFORMATION I HAVE FURNISHED ON THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND I AGREE TO COMPLY WITH ALL APPLICABLE CODES, LAWS AND ORDINANCES DURING THE BUILDING PROCESS.

OWNER OR AGENT SIGNATURE (required)
Mary Beth Gill

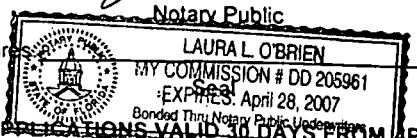
State of Florida, County of: MARTIN

This the 6th day of APRIL, 2004

by MARY BETH GILL who is personally known to me or produced

as identification: Laura L. O'Brien

My Commission Expires _____



CONTRACTOR SIGNATURE (required)
[Signature]

On State of Florida, County of: _____

This the _____ day of _____, 2004

by _____ who is personally known to me or produced

As identification: _____

My Commission Expires: _____

Notary Public

Seal

PERMIT APPLICATIONS VALID 30 DAYS FROM APPROVAL NOTIFICATION - PLEASE PICK UP YOUR PERMIT PROMPTLY!

TO BE COMPLETED WHEN CONSTRUCTION VALUE EXCEEDS \$2500.00

PERMIT # 6635

TAX FOLIO # _____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA

COUNTY OF MARTIN

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.

LEGAL DESCRIPTION OF PROPERTY (INCLUDE STREET ADDRESS IF AVAILABLE):

Lot 4 & Castle Hill Parcel # 2637410150000004060000

GENERAL DESCRIPTION OF IMPROVEMENT: Fence

OWNER: Marybeth Gill

ADDRESS: 8 Oak Hill Way, Stuart FL 34996

PHONE #: 223-4015 FAX #: _____

CONTRACTOR: Shadowood Farms

ADDRESS: Palm City

PHONE #: 283-4375 FAX #: _____

SURETY COMPANY (IF ANY) _____

STATE OF FLORIDA
ADDRESS: _____ MARTIN COUNTY

PHONE # _____

BOND AMOUNT: _____

LENDER: _____ BY T Copus D.C.

ADDRESS: _____ DATE 3-17-04

PHONE #: _____ FAX #: _____

PERSONS WITHIN THE STATE OF FLORIDA DESIGNATED BY OWNER UPON WHOM NOTICES OR OTHER DOCUMENTS MAY BE SERVED AS PROVIDED BY SECTION 713.13(1)(A)7., FLORIDA STATUTES:

NAME: _____

ADDRESS: _____

PHONE #: _____ FAX #: _____

IN ADDITION TO HIMSELF, OWNER DESIGNATES _____ OF _____ TO RECEIVE A COPY OF THE LIENOR'S NOTICE AS PROVIDED IN SECTION 713.13(1)(B), FLORIDA STATUTES.

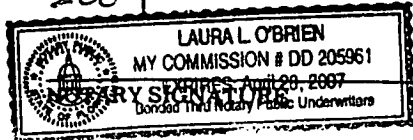
PHONE #: _____ FAX #: _____

EXPIRATION DATE OF NOTICE OF COMMENCEMENT: _____ THE EXPIRATION DATE IS ONE (1) YEAR FROM THE DATE OF RECORDING UNLESS A DIFFERENT DATE IS SPECIFIED ABOVE.

Marybeth Gill
SIGNATURE OF OWNER

SWORN TO AND SUBSCRIBED BEFORE ME THIS 15 DAY OF March 2004 BY MARYBETH GILL

OR PERSONALLY KNOWN X
PRODUCED ID _____
TYPE OF ID _____



N.80°16'57"E. 116.56'(P)

NO. C.M.
4747
14049

FND. C.
14747
4041

Wood Post
Iron Post
Chain Link Fence

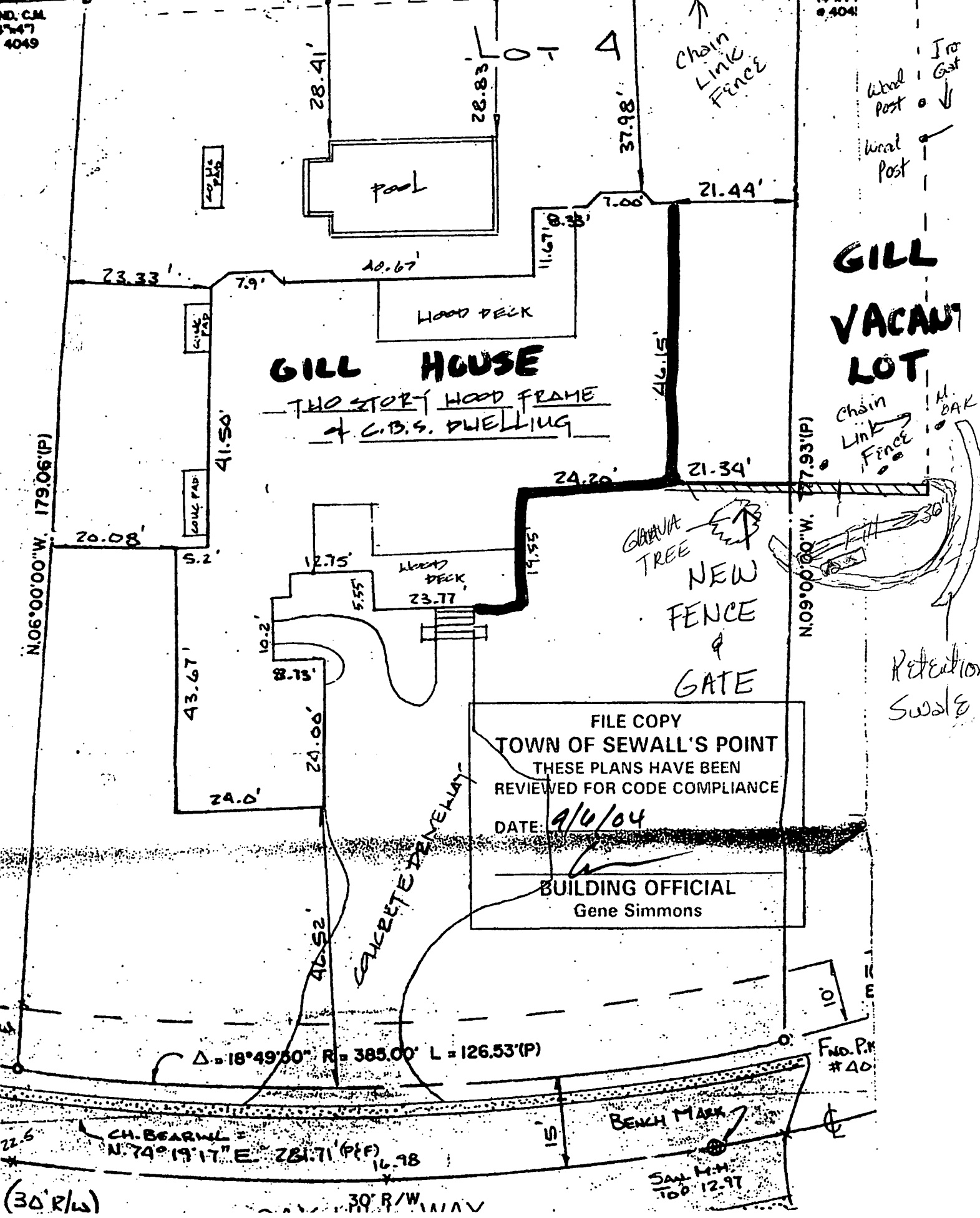
**GILL
VACANT
LOT**

Chain Link Fence
M. BAR
Retention Swale

GILL HOUSE

THO STORY WOOD FRAME
4 C.B.S. DWELLING

FILE COPY
TOWN OF SEWALL'S POINT
THESE PLANS HAVE BEEN
REVIEWED FOR CODE COMPLIANCE
DATE: 9/6/04
BUILDING OFFICIAL
Gene Simmons



$\Delta = 18^{\circ}49'50''$ R = 385.00' L = 126.53'(P)

CH. BEARNG
N.74°19'17"E. 281.71'(P) 16.98

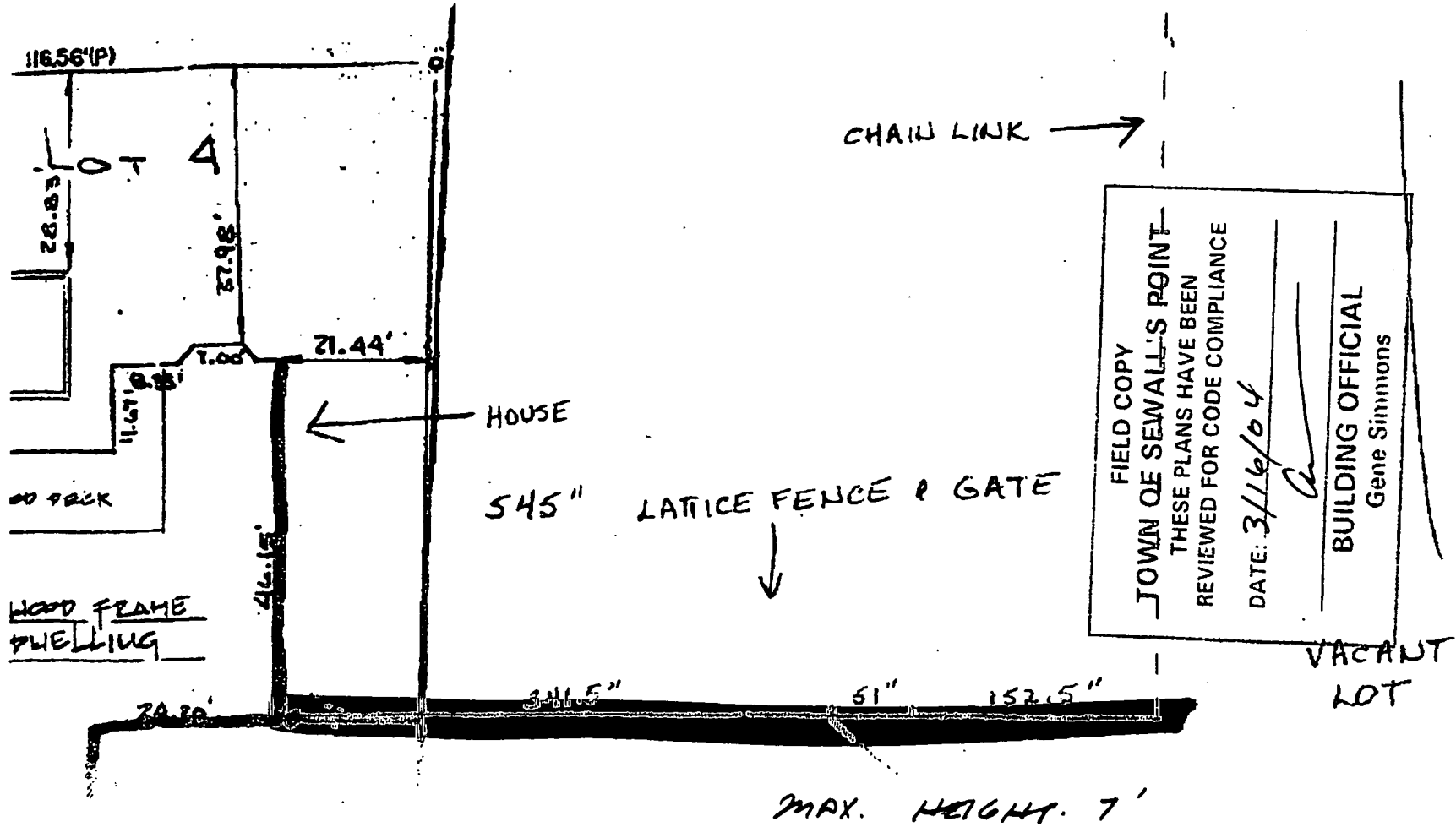
(30' R/W)

30' R/W

BENCH MARK
SAIL M.H.
100 12.97

FND. PK
#40

Gill Residence, Oakhill Way, Front Fence Diagram





re: Gill
Oak Hill
from Way
Bob Fenton
203-4375

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri 8/27, 2004 Page 1 of 3

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
1	RADER	SPERMUAN FRES	FAIL	
	5 HERITAGEWAY	PREPARE		
		(FIRST PLEASE!)		INSPECTOR:
2	6480 WADE	FOOTING RET. WALL	FAIL	
	9 E HIGH POINT			
	PINE ORCHARD			INSPECTOR:
7	TREE GILL	TREE	PASS	
	8 OAK HILL WAY			
				INSPECTOR:
8	6672 GILL	FILL (FINAL)	PASS	
	8 OAK HILL WAY			
	O/B			INSPECTOR:
9	6635 GILL	FENCE FINAL	PASS	CLOSE
	8 OAK HILL WAY			
	O/B			INSPECTOR:
13	* 6261 SMITH	STAIRWELL REV.	CANCEL	
	7 SIMARD			
	SUNRISE CONST			INSPECTOR:
12	* 685 HARBOR BAY	FINAL ELEC	FAIL	
	3725 E OCEAN #207	BUILDING		
	JANDREAU			INSPECTOR:
OTHER:				
36 S. SEWALL'S PT.				

8921

HURRICANE SHUTTERS



TOWN OF SEWALL'S POINT BUILDING DEPARTMENT
 One S. Sewall's Point Road
 Sewall's Point, Florida 34996
 Tel 772-287-2455 Fax 772-220-4765

BUILDING PERMIT CARD

**THIS CARD MUST BE POSTED IN A CONSPICUOUS PLACE IN PLAIN VIEW FROM THE STREET PRIOR TO BEGINNING ANY WORK
 A FINAL INSPECTION IS REQUIRED FOR ALL PERMITS**

PERMIT NUMBER:	8921	DATE ISSUED:	JUNE 9, 2008
SCOPE OF WORK:	HURRICANE SHUTTERS		
CONDITIONS :			
CONTRACTOR:	ALL SHUTTERS & SCREENS		
PARCEL CONTROL NUMBER:	263741015000000406	SUBDIVISION	CASTLE HILL - LOT 4
CONSTRUCTION ADDRESS:	8 OAK HILL WAY		
OWNER NAME:	SCHMIDT & LORR		
QUALIFIER:	ROBERT STATT	CONTACT PHONE NUMBER:	621-4084

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. A CERTIFIED COPY OF THE RECORDED NOTICE OF COMMENCEMENT MUST BE SUBMITTED TO THE BUILDING DEPARTMENT PRIOR TO THE FIRST REQUESTED INSPECTION.

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN 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.

**24 HOUR NOTICE REQUIRED FOR INSPECTIONS - ALL CONSTRUCTION DOCUMENTS MUST BE AVAILABLE ON SITE
 CALL 287-2455 - 8:00AM TO 4:00PM INSPECTIONS 8:30AM TO 12:00PM - MONDAY, WEDNESDAY & FRIDAY**

REQUIRED INSPECTIONS

UNDERGROUND PLUMBING	_____	UNDERGROUND GAS	_____
UNDERGROUND MECHANICAL	_____	UNDERGROUND ELECTRICAL	_____
STEM-WALL FOOTING	_____	FOOTING	_____
SLAB	_____	TIE BEAM/COLUMNS	_____
ROOF SHEATHING	_____	WALL SHEATHING	_____
TIE DOWN /TRUSS ENG	_____	INSULATION	_____
WINDOW/DOOR BUCKS	_____	LATH	_____
ROOF DRY-IN/METAL	_____	ROOF TILE IN-PROGRESS	_____
PLUMBING ROUGH-IN	_____	ELECTRICAL ROUGH-IN	_____
MECHANICAL ROUGH-IN	_____	GAS ROUGH-IN	_____
FRAMING	_____	METER FINAL	_____
FINAL PLUMBING	_____	FINAL ELECTRICAL	_____
FINAL MECHANICAL	_____	FINAL GAS	_____
FINAL ROOF	_____	BUILDING FINAL	_____

ALL RE-INSPECTION FEES AND ADDITIONAL INSPECTION REQUESTS WILL BE CHARGED TO THE PERMIT HOLDER. THE CONTRACTOR OR OWNER /BUILDER MUST SCHEDULE A FINAL INSPECTION. FAILURE TO RECEIVE A SUCCESSFUL FINAL INSPECTION WILL RESULT IN PERMIT RENEWAL FEES, FINES, AND OR DENIAL OF FUTURE BUILDING PERMITS TO THE CONTRACTOR OR OWNER /BUILDER.

PERMIT NUMBER:

NOTICE OF COMMENCEMENT

The undersigned hereby given notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida statutes the following information is provided in the Notice of commencement.

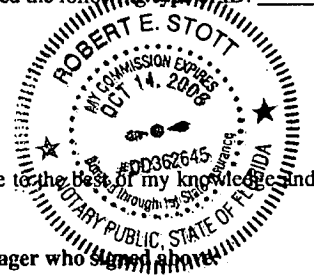
- DESCRIPTION OF PROPERTY** (Legal description and street address) **TAX FOLIO NUMBER:** 2637 41015 000800106
SUBDIVISION Castle Hill **BLOCK** lot 4 **TRACT** 8 Oak Hill Wy **LOT** 4 **BLDG** Stuart FL **UNIT** 34996
- GENERAL DESCRIPTION OF IMPROVEMENT:** Hurricane Shutters
- OWNER INFORMATION:** a. Name Schmidt, Fred
b. Address 80 Oak Hill Wy, Stuart FL 34996 c. interest in property owner
d. Name and address of fee simple titleholder (if other than owner) _____
- CONTRACTOR'S NAME, ADDRESS AND PHONE NUMBER:** All Shutters & Screens, Inc.
2106 SW Hayworth Avenue, Port Saint Lucie, FL 34953 772-621-4084
- SURETY'S NAME, ADDRESS AND PHONE NUMBER AND BOND AMOUNT:** n/a
- LENDER'S NAME, ADDRESS AND PHONE NUMBER:** n/a
- Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13 (1)(a) 7., Florida Statutes:
NAME, ADDRESS AND PHONE NUMBER: _____
- In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in Section 713.13 (1)(b), Florida Statutes:
NAME, ADDRESS AND PHONE NUMBER: n/a
- Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified) _____, 20____.

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

[Signature] Signature of Owner or
Fred Schmidt Print Name and Provide Signatory's Title/Office
Owner's Authorized Officer/Director/Partner/Manager

State of Florida
County of _____
The foregoing instrument was acknowledged before me this 18 day of April, 2008
By Fred Schmidt, as _____, (Type of authority...e.g. Owner officer, trustee, attorney in fact)
For _____ (Name of party on behalf of whom instrument was executed) Personally Known _____ or produced the following _____ of ID: _____

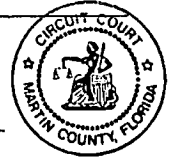
Robert Stott (Printed Name of Notary Public)
[Signature] (Signature of Notary Public)



Under penalties of perjury, I declare that I have read the foregoing and that the facts in it are true to the best of my knowledge and belief (section 92.525, Florida Statutes).

Signature(s) of Owner(s) or Owner(s)' Authorized Officer/Director/Partner/Manager who signed above:
By: [Signature]
By: STATE OF FLORIDA
MARTIN COUNTY

THIS IS TO CERTIFY THAT THE FOREGOING 1 PAGES IS A TRUE AND CORRECT COPY OF THE ORIGINAL
MARSHA EWING, CLERK
BY: K. Wintercorn D.C.
DATE: 6/4/08



RECEIVED
DATE: 6-4-08
TOWN OF SEWALL'S POINT

Date: 6-4-08 BUILDING PERMIT APPLICATION Permit Number: 312-2336

OWNER/TITLEHOLDER NAME: Schmidt, Fred Phone (Day) 621-327-2965 (Fax)
Job Site Address: 8 Oak Hill Way City: S Pointe State: FL Zip: 34996
Legal Desc. Property (Subd/Lot/Block) Castle Hill lot 4 Parcel Number: 2637-41-015-000-0040-0
Owner Address (if different): City: State: Zip:
Scope of work: Install Hurricane Shutters - HUH2 Approved

WILL OWNER BE THE CONTRACTOR?
(If yes, Owner Builder questionnaire must accompany application)
YES _____ NO

COST AND VALUES: (Required on ALL permit applications)
Estimated Value of Improvements: \$ 10,900.
(Notice of Commencement required when over \$2500 prior to first inspection)
Is subject property located in flood hazard area? V AB AS X
FOR ADDITIONS, REMODELS AND RE-ROOF APPLICATIONS ONLY:
Estimated Fair Market Value prior to improvement: \$
Fair Market Value of the Primary Structure only (Minus the land value)
*** PRIVATE APPRAISALS MUST BE SUBMITTED WITH PERMIT APPLICATION ***

Has a Zoning Variance ever been granted on this property?
YES _____ (YEAR) NO _____
(Must include a copy of all variance approvals with application)

CONTRACTOR/Company: All Shutters + Screens Phone: 621-4084 Fax: 621-4085
Street: 2106 Hayworth Ave City: FL State: FL Zip: 34953
State Registration Number: SC131149809 State Certification Number: Municipality License Number:

PROJECT SUPERINTENDANT: Chris Taylor CONTACT NUMBER: 772 408 2401

ARCHITECT Lic.#: Phone Number:
Street: City: State: Zip:

ENGINEER Lic.#: Phone Number:
Street: City: State: Zip:

AREA SQ. FOOTAGE (W/SEWER & ELECTRIC): Living: Garage: Covered Patios: Screened Porch:
Carport: Total Under Roof Wood Deck: Accessory Building:

CODE EDITIONS IN EFFECT FOR THIS APPLICATION: Florida Building Code - Res., Build, Mech., Plmb., Fuel Gas; 2004 (W/2006 Rev.)
National Electrical Code: 2005 Florida Energy Code: 2004 Florida Accessibility Code: 2004 Florida Fire Prevention Code 2004

NOTICES TO OWNERS AND CONTRACTORS:
1. YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. WHEN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.
2. THERE ARE SOME PROPERTIES THAT MAY HAVE DEED RESTRICTIONS RECORDED UPON THEM. THESE RESTRICTIONS MAY LIMIT OR PROHIBIT THE WORK APPLIED FOR IN YOUR BUILDING PERMIT. IT IS TO YOUR ADVANTAGE AND RESPONSIBILITY TO DETERMINE IF YOUR PROPERTY IS ENCUMBERED BY ANY RESTRICTIONS. SOME RESTRICTIONS APPLICABLE TO THIS PROPERTY MAY BE FOUND IN THE PUBLIC RECORDS OF MARTIN COUNTY OR THE TOWN OF SEWALL'S POINT, AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.
3. BUILDING PERMITS FOR SINGLE FAMILY RESIDENCES AND SUBSTANTIAL IMPROVEMENTS TO SINGLE FAMILY RESIDENCES ARE VALID FOR A PERIOD OF 24 MONTHS. RENEWAL FEES WILL BE ASSESSED AFTER 24 MONTHS PER TOWN ORDINANCE 60-95.

THIS PERMIT WILL BECOME NULL AND VOID IF THE WORK AUTHORIZED BY THIS PERMIT IS NOT COMMENCED WITHIN 180 DAYS, OR WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AT ANY TIME AFTER THE WORK IS COMMENCED. ADDITIONAL FEES WILL BE ASSESSED ON ALL NULL AND VOID PERMITS. REF. FBC 2004 W/ 2006 REVISIONS SECT. 106.4.1, 105.4.1.1 - .5.
I HEREBY CERTIFY THAT THE INFORMATION I HAVE FURNISHED ON THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND I AGREE TO COMPLY WITH ALL APPLICABLE CODES, LAWS AND ORDINANCES DURING THE BUILDING PROCESS.

***** A FINAL INSPECTION IS REQUIRED ON ALL BUILDING PERMITS *****
OWNER SIGNATURE (required) CONTRACTOR SIGNATURE (required)
State of Florida, County of: Manatee State of Florida, County of: Manatee
This the 6th day of June, 2008 This the 4th day of June, 2008
by Maureen E. Lorr who is personally known to me or produced by Robert Stolt who is personally known to me or produced by Rebecca Miller
as identification: Valerie Meyer Commission # DD382076 Expires December 27, 2008
My Commission Expires: May 14, 2010 My Commission Expires: _____
NOTARY PUBLIC STATE OF FLORIDA

SINGLE FAMILY PERMIT APPLICATIONS MUST BE ISSUED WITHIN 30 DAYS OF APPROVAL NOTIFICATION (FBC 105.3.4) ALL OTHER APPLICATIONS WILL BE CONSIDERED ABANDONED AFTER 180 DAYS (FBC 105.3.2) - PLEASE PICK UP YOUR PERMIT PROMPTLY!



Martin County, Florida
Laurel Kelly, C.F.A.

Site Provided by...
 governmax.com T1.12

Summary

print [navigation icons] Owner 1 of 1

Parcel Info

Parcel ID	Unit Address	Serial Index ID	Order	Commercial	Residential
26-37-41-015-000-00040-6	8 OAK HILL WY	4148	Owner	0	1

Summary

- Land
- Residential
- Improvement
- Commercial
- Image
- Sales & Transfers
- Assessments →
- Taxes →
- Exemptions →
- Parcel Map →
- Full Legal →

Summary

Property Location 8 OAK HILL WY
Tax District 2200 Sewall's Point
Account # 4148
Land Use 101 0100 Single Family
Neighborhood 120900
Acres 0.510

Legal Description
Property Information
 CASTLE HILL, LOT 4

Search By

- Parcel ID
- Owner**
- Address
- Account #
- Use Code
- Legal Description
- Neighborhood
- Sales
- Map →

Owner Information

Owner Information
 SCHMIDT, FREDERICH M & MAUREEN LORR

Mail Information

8 OAK HILL WAY
 STUART FL 34996

Assessment Info

Front Ft. 0.00

Market Land Value \$90,000
Market Impr Value \$439,343
Market Total Value \$529,343

Site Functions

- Property Search**
- Contact Us
- On-Line Help
- County Home
- Site Home
- County Login

Recent Sale

Sale Amount \$845,000

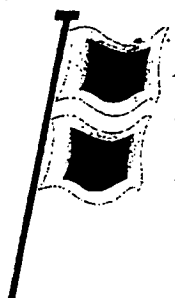
Sale Date 2/15/2008
Book/Page 2309 1075

[Print](#) | << First < Previous Next > Last >>

[Legal disclaimer](#) / [Privacy Statement](#)

Data updated on 05/01/2008





ALL SHUTTERS & SCREENS, INC.
2106 Hayworth Ave. • Port St. Lucie, FL 34953
772-621-8154 - Office • 772-621-4085 - Fax
www.allshuttersandscreens.com

PROPOSAL

3371

Protecting Your Home As Our Own

Date: 4/16/08

Proposal Submitted to:
Name: Fred Schmidt
Street: 8 Oak Hill Way
City: Sewals Point State/Zip: 34996
Phone: 814-327-2965

Work to be performed at:
Street: _____
City: _____ State/Zip: _____
Plans: _____ Architect: _____

We do hereby propose to furnish the materials and perform the labor necessary for the completion of:

Furnish and install 060 Alum. Storm panels on 43
openings with white tracks
Install 2x4 wood banding at the bottom of two doors
Install an egress panel at the front doors
Install in 3-4 wks

All material is guaranteed to be as specified and the above work to be performed in accordance with the drawings and specifications submitted for above work and completed in a workmanlike manner for the sum of.

_____ Dollars (\$ 10,900.00)
with payment to be made as follows: Deposit 5,000 - bal. 5,900. - due at
completion of install

Any alteration or deviation from the above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over & above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, hurricane & other necessary insurance. Workman's Compensation & General Liability Insurance on work to be taken out by *All Shutter & Screens, Inc.*
A charge of 20% of contract will be charged for cancellations.

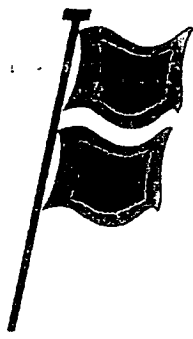
RESPECTFULLY SUBMITTED: Bul Stett

Note: This proposal may be withdrawn by *All Shutter & Screens, Inc.* if not accepted within ten (10) days. Management has the right of refusal of contract.

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to perform the work as specified. Payments will be made as outlined above.

Date: 4/17/08 Owner's Signature: _____



ALL SHUTTERS & SCREENS, INC.

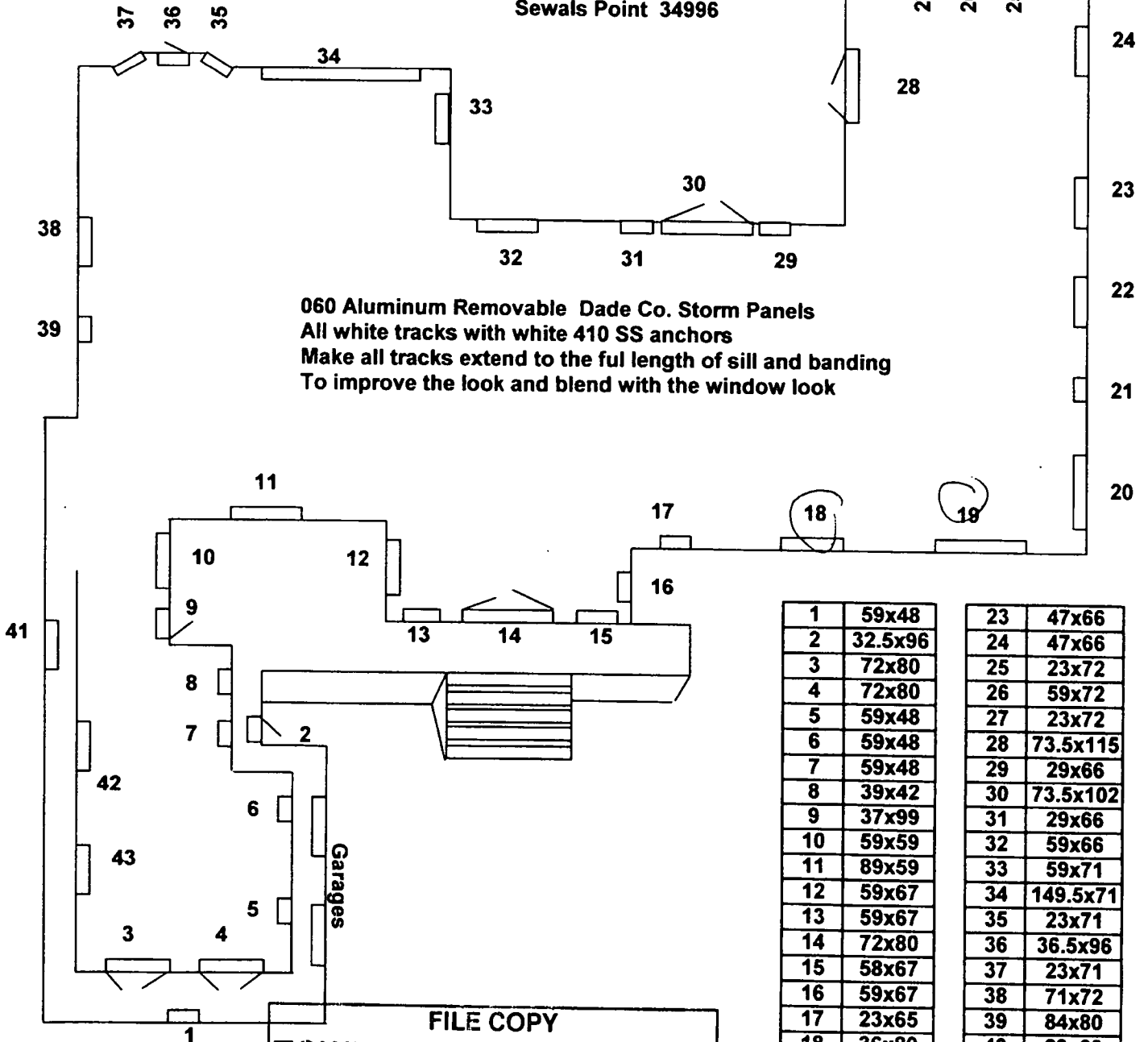
2106 Hayworth Ave. • Port St. Lucie, FL 34953

772-621-8154 - Office • 772-621-4085 - Fax

www.allshuttersandscreens.com

Protecting Your Home As Our Own

Fred Schmidt Residence
 8 Oak Hill Way
 Sewalls Point 34996



060 Aluminum Removable Dade Co. Storm Panels
 All white tracks with white 410 SS anchors
 Make all tracks extend to the full length of sill and banding
 To improve the look and blend with the window look

1	59x48
2	32.5x96
3	72x80
4	72x80
5	59x48
6	59x48
7	59x48
8	39x42
9	37x99
10	59x59
11	89x59
12	59x67
13	59x67
14	72x80
15	58x67
16	59x67
17	23x65
18	36x80
19	72x65
20	72x65
21	29x48
22	59x48

23	47x66
24	47x66
25	23x72
26	59x72
27	23x72
28	73.5x115
29	29x66
30	73.5x102
31	29x66
32	59x66
33	59x71
34	149.5x71
35	23x71
36	36.5x96
37	23x71
38	71x72
39	84x80
40	29x60
41	89x66
42	23x48
43	48x48

FILE COPY
TOWN OF SEWALL'S POINT
 THESE PLANS HAVE BEEN
 REVIEWED FOR CODE COMPLIANCE
 DATE 6.9.04

BUILDING OFFICIAL

Schmidt

SHUTTER SCHEDULE

I.D. NO.	APPOX	APPOX	APPOX	#OF		#OF	HEADER
	OPENING	SHUTTER	SHUTTER	STORM	ANCHOR	WINDOW BARS	REINF.REQ'D
	SIZE(WXH)	WIDTH	HEIGHT	BARS REQ'D	SPACING	EACH SIDE	YES/NO
1	59x48	65	54	n/a	6	n/a	no
2	33x96	33 3/4	102	n/a	6	n/a	no
3	72x80	77 1/2	86	n/a	6	n/a	no
4	72x80	77 1/2	86	n/a	6	n/a	no
5	59x48	65	54	n/a	6	n/a	no
6	59x48	65	54	n/a	6	n/a	no
7	59x48	65	54	n/a	6	n/a	no
8	39x42	40	48	n/a	6	n/a	no
9	37x99	40	105	n/a	6	n/a	no
10	59x59	65	65	n/a	6	n/a	no
11	89x59	90	65	n/a	6	n/a	no
12	59x67	65	73	n/a	6	n/a	no
13	59x67	65	73	n/a	6	n/a	no
14	72x80	77 1/2	86	n/a	6	n/a	no
15	58x67	65	73	n/a	6	n/a	no
16	59x67	65	73	n/a	6	n/a	no
17	23x65	27 1/2	71	n/a	6	n/a	no
18	36x80	40	86	n/a	6	n/a	no
19	72x65	77 1/2	71	n/a	6	n/a	no
20	72x65	77 1/2	71	n/a	6	n/a	no
21	29x48	33 3/4	54	n/a	6	n/a	no
22	59x48	65	54	n/a	6	n/a	no
23	47x66	52.5	72	n/a	6	n/a	no
24	47x66	52.5	72	n/a	6	n/a	no
25	23x72	27.5	78	n/a	6	n/a	no
26	59x72	65	78	n/a	6	n/a	no
27	23x72	27.5	78	n/a	6	n/a	no
28	74x115	77.5	121	n/a	6	n/a	no
29	29x66	33.75	72	n/a	6	n/a	no
30	74x102	77.5	108	n/a	6	n/a	no
31	29x66	33.75	72	n/a	6	n/a	no
32	59x66	65	72	n/a	6	n/a	no
33	59x71	65	77	n/a	6	n/a	no
34	150x71	152.5	77	n/a	6	n/a	no
35	23x71	27.5	77	n/a	6	n/a	no
36	37x96	40	102	n/a	6	n/a	no
37	23x71	27.5	77	n/a	6	n/a	no
38	71x72	77.5	78	n/a	6	n/a	no
39	84x80	90	96	n/a	6	n/a	no
40	29x60	33.75	66	n/a	6	n/a	no
41	89x66	90	72	n/a	6	n/a	no
42	23x48	27.5	54	n/a	6	n/a	no
43	48x48	52.5	54	n/a	6	n/a	no

TOWN OF SEWALL'S POINT
 BUILDING DEPARTMENT
 FILE COPY



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

www.miamidade.gov

NOTICE OF ACCEPTANCE (NOA)

MetalTech, Inc.
7635 West 2nd Court
Hialeah, FL 33014

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Maximum Impact 0.060" Aluminum Storm Panel Shutter

APPROVAL DOCUMENT: Drawing No. 99001, titled "0.060" Maximum Impact Storm Panel", sheets 1 through 7 of 7, prepared by Ramms Engineering, Inc., signed and sealed by Robert Monsour, P.E., on January 12, 2006, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 06-0117.06** and consists of this page 1, evidence submitted pages E-1, E-2, & E-3 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**

Helmy A. Makar
 05/31/2007

NOA No 07-0125.09
Expiration Date: 07/01/2012
Approval Date: 05/31/2007
 Page 1



TOWN OF SEWALL'S POINT
BUILDING DEPARTMENT
FILE COPY

MetalTech, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 99-0217.07

A. DRAWINGS

1. *Drawing No. 99001, titled "0.060" Maximum Impact Storm Panel", prepared by Ramms Engineering, Inc., dated January 15, 1999, sheets 1 through 7 of 7, only sheets 4, 5, and 6 of 7 last revised on June 3, 1999, signed and sealed by Robert S. Monsour, P.E.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test, and Uniform Static Air Pressure Test of 0.060" aluminum storm panels, prepared by Construction Testing Corporation, Report No. CTC 98-032, dated January 21, 1999, signed and sealed by Yamil Kuri, P.E.*
2. *Letter from Construction Testing Corporation, regarding Test Report No. CTC 98-032, dated June 4, 1999, signed by George Dotzler.*

C. CALCULATIONS

1. *Comparative Analysis and Anchor Analysis, dated January 19, 1999, pages 1 through 119, prepared by Ramms Engineering, Inc., signed and sealed by Robert S. Monsour, P.E.*

D. MATERIAL CERTIFICATIONS

1. *Mill Certified Inspection Report of coils, dated 07/15/98, for Aluminum Alloy 5052-H32 by Alumax Mill Products, with chemical composition and physical properties.*
2. *Tensile Test Report #CTL-301E, prepared by Certified Testing Laboratories, dated March 23, 1999, for Aluminum sample #98-32, signed and sealed by Ramish Patel, P.E.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 02-0312.06

A. DRAWINGS

See NOA 99-0217.07

B. TESTS

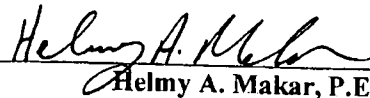
See NOA 99-0217.07

C. CALCULATIONS

See NOA 99-0217.07

D. MATERIAL CERTIFICATIONS

See NOA 99-0217.07



Helmy A. Makar, P.E., M.S.

Product Control examiner

NOA No 07-0125.09

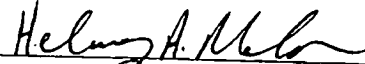
Expiration Date: 07/01/2012

Approval Date: 05/31/2007

MetalTech, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- E. STATEMENTS**
See NOA 99-0217.07
- F. OTHER**
See NOA 99-0217.07
- 3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 02-0611.03**
- A. DRAWINGS**
See NOA 02-0312.06
- B. TESTS**
See NOA 02-0312.06
- C. CALCULATIONS**
See NOA 02-0312.06
- D. MATERIAL CERTIFICATIONS**
See NOA 02-0312.06
- E. STATEMENTS**
1. *See NOA 02-0312.06*
 2. *Letter from MetalTech, Inc., dated 6/5/02, stating that the product has not changed since it was originally approved.*
- F. OTHER**
See NOA 02-0312.06
- 4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 06-0117.06**
- A. DRAWINGS**
1. *Drawing No. 99001, titled "0.060" Maximum Impact Storm Panel", sheets 1 through 7 of 7, prepared by Ramms Engineering, Inc., signed and sealed by Robert Monsour, P.E., on January 12, 2006.*
- B. TESTS**
1. *None.*
- C. CALCULATIONS**
1. *Anchor Calculations and details for 0.060" Aluminum Storm Panels, dated January 06, 2006, pages 1 through 47 of 47, prepared by Ramms Engineering, Inc., signed and sealed by Robert Monsour, P.E., on January 06, 2006.*



Helmy A. Makar, P.E., M.S.
Product Control examiner
NOA No 07-0125.09
Expiration Date: 07/01/2012
Approval Date: 05/31/2007

MetalTech, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. None.

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. None.



Henry A. Makar, P.E., M.S.

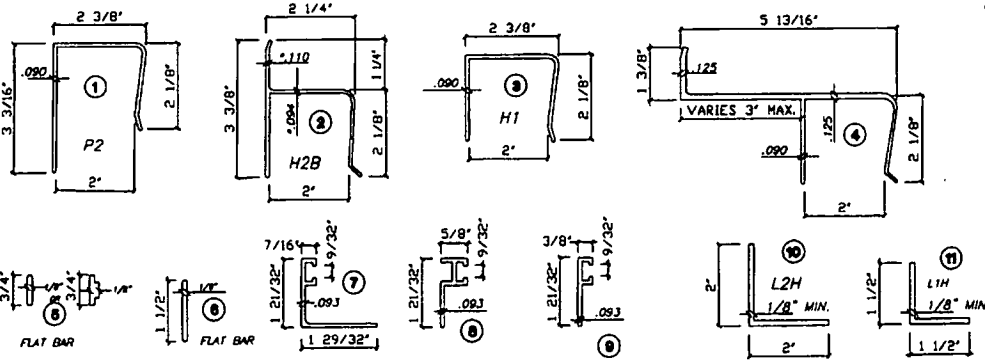
Product Control examiner

NOA No 07-0125.09

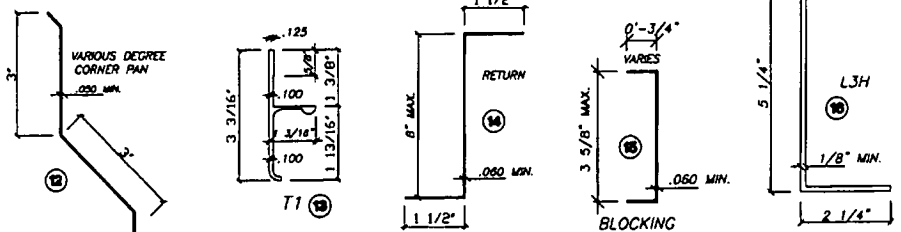
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Approval Date: 05/31/2007

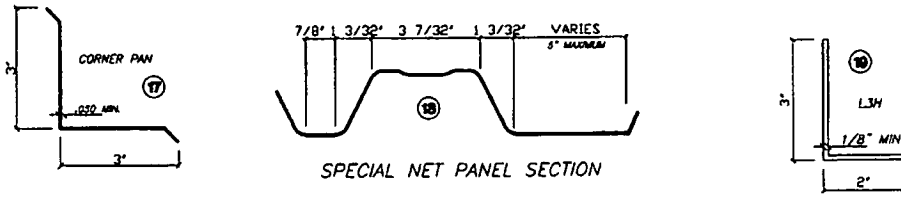
.060



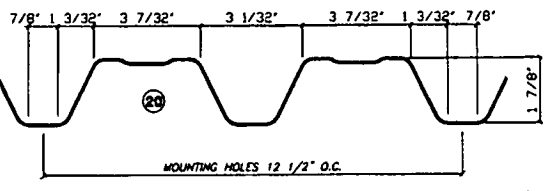
VARIOUS TYPES OF F-TRACK NOT SHOWN



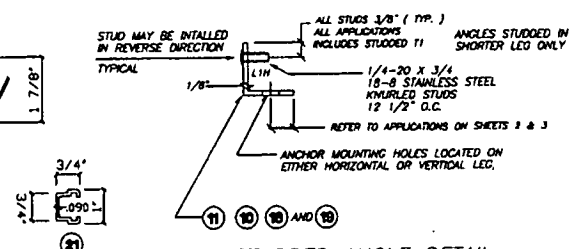
BLOCKING



SPECIAL NET PANEL SECTION



CROSS SECTIONS



STUDED ANGLE DETAIL

1/8" x 1 1/2" FLAT STUDED STRAP MAY BE USED IN PLACE OF ANGLE

COMPLIES WITH:

FLORIDA BUILDING CODE TESTED TO TAS201, TAS202 AND TAS203

DESIGN CRITERIA:

WIND LOADS TO BE CALCULATED AS PER ASCE 7

NO INCREASE IN ALLOWABLE STRESS WAS USED IN THE DESIGN OF THIS PRODUCT

GENERAL NOTES:

ALL ALUMINUM EXTRUSIONS TO BE ALLOY 6063-T8 OR EQUAL

STORM PANELS SHALL BE: .060 5052 H-32 ALUMINUM OR EQUAL SMOOTH OR EMBOSSED WITH A NOMINAL WIDTH OF 12 1/2"

THE STORM PANEL SHUTTER MAY BE INSTALLED VERTICALLY OR HORIZONTALLY, IN ACCORDANCE TO THE DETAILED SPECIFICATIONS HEREIN.

PANELS MAY BE NOTCHED OR MITERED TO ACCOMMODATE AN OBSTRUCTION

ANCHORAGE OF THE SHUTTER SYSTEM TO CONCRETE OR MASONRY SHALL CONSIST OF THE FOLLOWING OR EQUAL WITH MINIMUM ULTIMATE LOAD VALUES SHOWN

- 1/4" DIA. RAWL LOK/BOLT ANCHOR (SLEEVED DRIVE ANCHOR)
 - MIN. TENSILE 1190 - MIN. SHEAR 1520 - 1 1/8" MIN. EMBED. IN CONCRETE
 - MIN. TENSILE 1200 - MIN. SHEAR 1270 - 1 1/8" MIN. EMBED. IN MASONRY
- 1/4-20 RAWL CALK-IN ANCHOR (MACHINE SCREW ANCHOR) WITH 1/4-20 BOLTS
 - MIN. TENSILE 1870 - MIN. SHEAR 1730 - 7/8" MIN. EMBED. IN CONCRETE
 - MIN. TENSILE 880 - MIN. SHEAR 1340 - 7/8" MIN. EMBED. IN MASONRY
- 1/4" PERMA-SEAL TAPPER BY RAWL (MASONRY SCREWS VARIOUS HEAD TYPES)
 - MIN. TENSILE 1520 - MIN. SHEAR 1980 - 1 1/2" MEN. EMBED. IN CONCRETE
 - MIN. TENSILE 880 - MIN. SHEAR 1270 - 1 1/4" MIN. EMBED. IN MASONRY
- 1/4" ZAMAC NAILIN BY RAWL (ZAMAC HAMMER DRIVES)
 - MIN. TENSILE 880 - MIN. SHEAR 1400 - 1 3/8" MIN. EMBED. IN CONCRETE
 - MIN. TENSILE 730 - MIN. SHEAR 1320 - 1 1/4" MIN. EMBED. IN MASONRY

ANCHORAGE TO WOOD CONSTRUCTION SHALL BE 1/4" STEEL LAGS OR LARGER WITH 1" MIN. THREAD PENETRATION, 1/4-20 BRASS WOOD BUSHINGS OR 1/4" ELOD PANEL MATES WITH 7/8" MIN. THREAD PENETRATION.

REFER TO SHEETS 5, 6 & 7 OF 7 FOR ANCHOR SPACING AND MINIMUM EMBEDMENTS

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE TO WITHSTAND THE ADDITIONAL LOADS AND INSURE PROPER ANCHORAGE.

EACH PANEL SHALL BEAR A PERMANENT LABEL OR STAMP SHOWING "METALTECH, INC. HIALEAH, FL." "DADE COUNTY PRODUCT CONTROL APPROVED"

WARNING TO OWNER OR TENANT LOCATED IN EACH HEADER OR ONE PANEL OF EACH OPENING. STATING "STORM PANELS WILL NOT OFFER HURRICANE PROTECTION UNLESS ALL REINFORCING STRAPS OR BOLTS ARE PROPERLY INSTALLED, WHEN REQUIRED"

PERMANENT FASTENER COMPONENTS, EMBEDDED ANCHOR BOLTS, THREADED CONES OR METAL SHIELDS, NOT IN USE, MUST BE PROTECTED AGAINST CORROSION, CONTAMINATION AND DAMAGE AT ALL TIME.

PRODUCT REVENED
 as complying with the Florida Building Code
 Acceptance No. 07-0125-09
 Expiration Date: 07/01/2012
 By: *[Signature]*
 Miami Dade Product Control Division

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 06-0117-06
 Expiration Date: 07/01/2007
 By: *[Signature]*
 Miami Dade Product Control Division

[Signature]
 ROBERT S. MONSOUR, PE
 EB-0006024
 BEPPS ENGINEERING, INC.

MAXIMUM IMPACT STORM PANEL

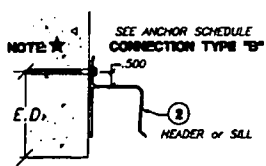
BUILDING CODE COMPLIANCE

REVISIONS	BY
01/06/06	SP

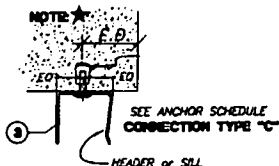
RAMMS ENGINEERING, INC.
Structural Designers
 1100 W. 10th STREET, SUITE 311
 MIAMI, FLORIDA 33134
 EB 0006024

METALTECH, INC.
 7415 W. SECOND CT. WILMINGTON, FL 33611
 EST. 1957

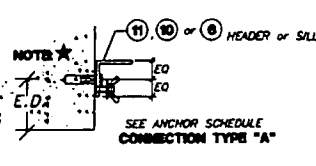
SED / RES / RSM
01/13/08
SHOWN
09001
1
7



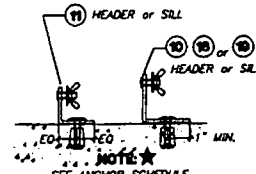
DETAIL 1



DETAIL 2

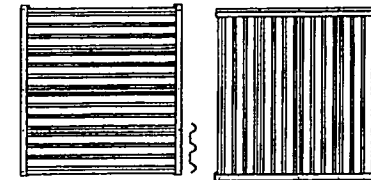


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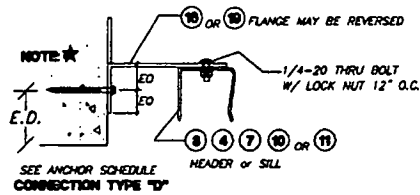
DETAIL 4

MAXIMUM IMPACT STORM PANEL

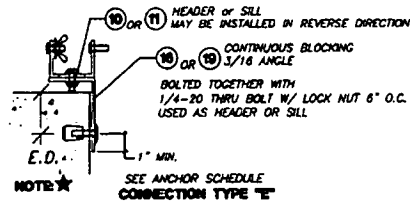


HORIZONTAL INSTALLATION ELEVATION

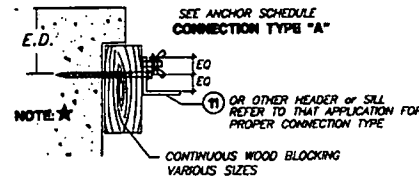
VERTICAL INSTALLATION ELEVATION



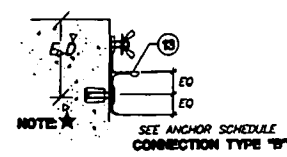
DETAIL 5



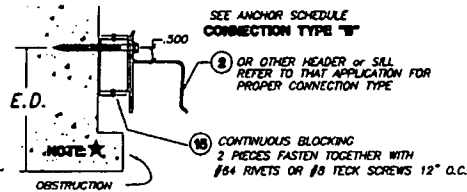
DETAIL 6



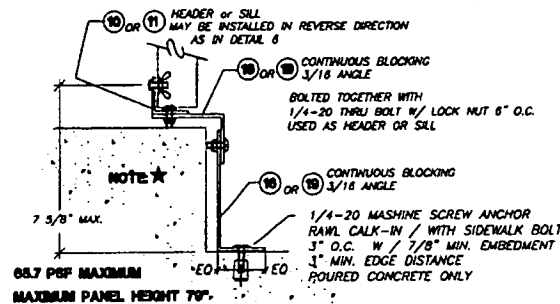
DETAIL 7



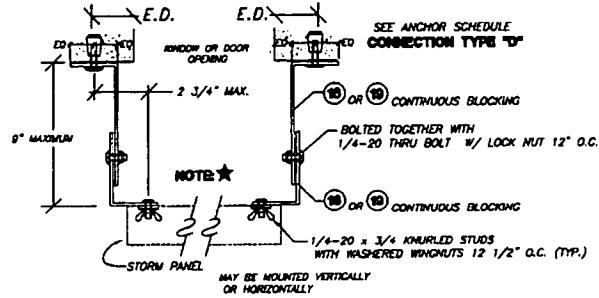
DETAIL 8



DETAIL 9



DETAIL 10



DETAIL 11

NOTE: ★

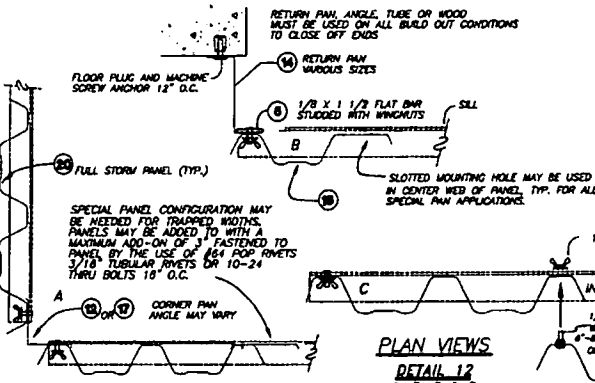
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE TO WITH STAND THE ADDITIONAL LOADS AND INSURE PROPER ANCHORAGE. SHUTTER SYSTEM MAY BE INSTALLED INTO WOOD, CONCRETE, MASONRY.

WHEN ANCHORING TO WOOD, THE WOOD MUST BE A MINIMUM 2 X 4 EQUAL TO #2 SOUTHERN PINE WITH 0.55 SPECIFIC GRAVITY AND STRUCTURALLY PART OF THE FRAMING STRUCTURE OR SECURELY ATTACHED TO FRAMING STRUCTURE

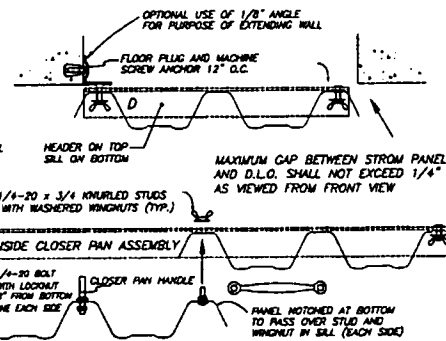
PRODUCT REVIEWED
in compliance with the Florida Building Code
Acceptance No 07-0125-09
Expiration Date 07/01/2012

PRODUCT REVISED
in compliance with the Florida Building Code
Acceptance No 06-0117-06
Expiration Date 07/01/2007

ROBERT S. MONSOUR, PE
EB-0006024
BPPS ENGINEERING, INC.



DETAIL 12
A, B, C & D



REVISIONS	BY
01/12/06	SP

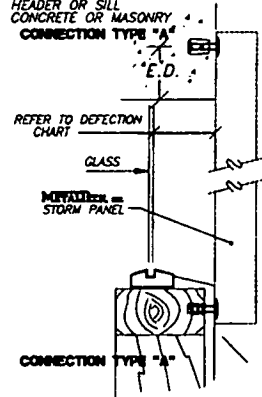
RAMPS ENGINEERING, INC.
Structural Design
1101 W. 7th Street, Suite 311
MELBOURNE, FLORIDA 32954
EB 0006024

METATECH, INC.
EST. 1957 7635 W. SECOND CT. HALLANDALE, FL 33024

SEP	JRB	RSB
01/13/09		
SHOWN		
09001		
2		
7		

BUILDING CODE COMPLIANCE

1/4-20 FLOOR PLUG WITH MACHINE SCREW ANCHOR
HEADER OR SILL
CONCRETE OR MASONRY
CONNECTION TYPE "A"



1/4-20 FLOOR PLUG WITH 1/4-20 BRASS WOOD BUSHING
HEADER OR SILL INTO WOOD

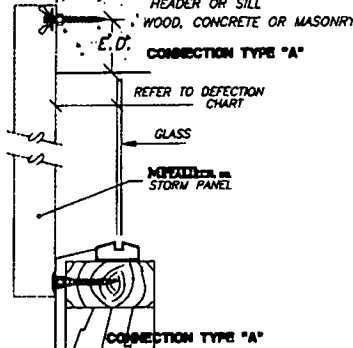
NOTE:

THE METALTECH STORM PANEL MAY BE INSTALLED WITHOUT THE USE OF AN EXTRUDED HEADER OR SILL. THE SHUTTER MAY BE ANCHORED DIRECTLY TO THE STRUCTURE WITH THE USE OF ONE OR A COMBINATION OF DETAIL 13

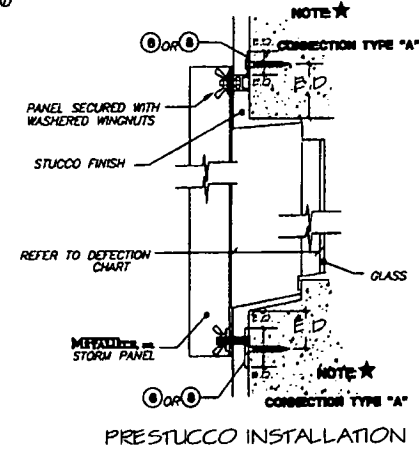
NOTE★

DETAIL 13

NOTE★
1/4" PANEL MATE SCREW WITH 14-20 STUD HEAD WITH WASHERED WINGNUT
HEADER OR SILL
WOOD, CONCRETE OR MASONRY
CONNECTION TYPE "A"

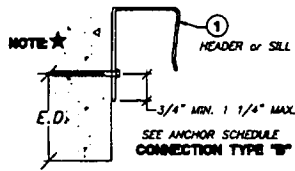


1/4" PANEL MATE WITH MACHINE SCREW HEAD WITH 14-20 SIDEWALK BOLT
HEADER OR SILL
WOOD, CONCRETE OR MASONRY

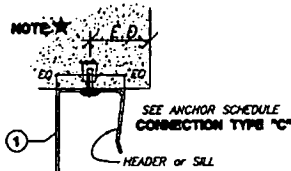


PRESTUCCO INSTALLATION

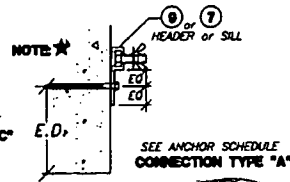
DETAIL 14



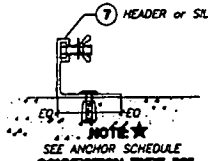
DETAIL 15



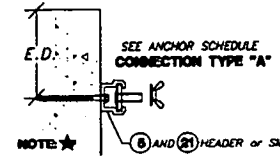
DETAIL 16



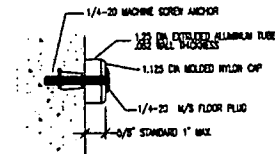
DETAIL 17



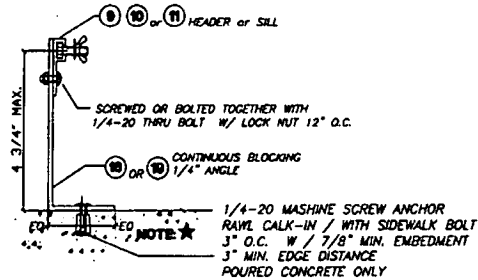
DETAIL 18



DETAIL 19



DETAIL 20



56.5 PSF MAXIMUM / PANEL HEIGHT 100" MAXIMUM

DETAIL 21

ADJUSTABLE HEADER OR SILL

NOTE★

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE TO WITH STAND THE ADDITIONAL LOADS AND INSURE PROPER ANCHORAGE. SHUTTER SYSTEM MAY BE INSTALLED INTO WOOD, CONCRETE, MASONRY.

WHEN ANCHORING TO WOOD, THE WOOD MUST BE A MINIMUM 2 X 4 EQUAL TO #2 SOUTHERN PINE WITH 0.55 SPECIFIC GRAVITY AND STRUCTURALLY PART OF THE FRAMING STRUCTURE OR SECURELY ATTACHED TO FRAMING STRUCTURE

PRODUCT RENEWED

in compliance with the Florida Building Code
Acceptance No 07-0125.09
Expiration Date 07/01/2012
By *Helmut A. Miller*
Miami Dade Product Control Division

PRODUCT RENEWED
in compliance with the Florida Building Code
Acceptance No 06-047.06
Expiration Date 07/01/2007
By *Helmut A. Miller*
Miami Dade Product Control Division

Monson
ROBERT S. MONSOUR, PE
EB-0008024
WWW.ENGINEERING, INC.

REVISIONS	BY
01/12/06	SP

RAMMS ENGINEERING, INC.
Structural Design
3108 S. 79th STREET, SUITE 311
MIAMI, FLORIDA 33156
EB 0008024

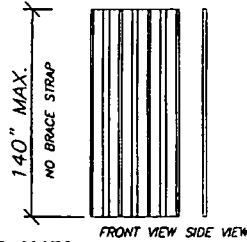
METALTECH, INC.
EST. 1957 7830 W. SECOND CT. HUNLEIGH, FL 33014

SEP	JAN	APR	AUG
01/15/09			
SHOWN			
0001			
3			
7			

BUILDING CODE COMPLIANCE

THE METALTECH STORM PANELS MAY BE INSTALLED WITH OR WITHOUT THE HORIZONTAL BRACE STRAP. REFER TO PANEL DEFLECTION CHARTS.

.060 ALUMINUM MAXIMUM IMPACT STORM PANEL

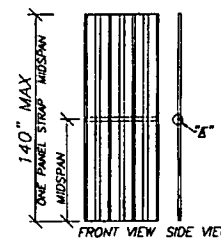


140" MAX. PANEL HEIGHT
NO PANEL STRAP
IS REQUIRED

**PANEL DEFLECTION CHART
WITHOUT HORIZONTAL STRAP**

PANEL HEIGHT	0-78"	over 78"-96"	over 96"-140"
WALL MOUNT	2"	2 1/2"	4 1/8"
INSIDE MOUNT	2"	2 1/2"	4 1/8"
BUILD OUT	2"	2 1/2"	4 1/8"

MINIMUM DISTANCE BETWEEN GLASS AND PANEL



140" MAX. PANEL HEIGHT
ONE PANEL STRAP
LOCATED MIDSPAN

**PANEL DEFLECTION CHART
WITH HORIZONTAL STRAP**

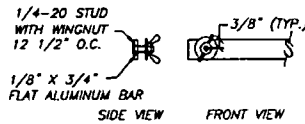
PANEL HEIGHT	over 96"-107"	over 107"-140"
WALL MOUNT	2 1/2"	2 13/16"
INSIDE MOUNT	2 1/2"	2 13/16"
BUILD OUT	2 1/2"	2 13/16"

MINIMUM DISTANCE BETWEEN GLASS AND PANEL

.060 ALUM

DESIGN PRESSURE	PANEL SPAN
36.88	140"
44.40	135"
47.81	132"
51.23	128"
58.06	120"
61.47	117 1/2"
66.85	113"
71.46	108"
75.30	106"
81.45	100"
86.83	94"
91.44	89"

HORIZONTAL BRACE STRAP



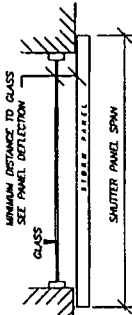
DETAIL "E"



MAXIMUM GAP BETWEEN PANEL AND HEADER IS 1/4" (TYP.)

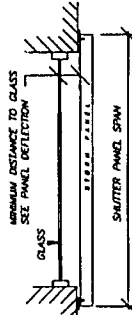
DETAIL "F"

DETAIL 13 ON SHEET 3



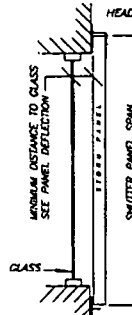
DETAIL 13 ON SHEET 3

DETAIL 3, 4, & 8 ON SHEET 2



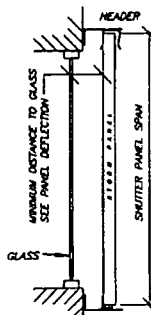
DETAIL 3, 4, & 8 ON SHEET 2

DETAIL 1 ON SHEET 2
DETAIL 15 ON SHEET 3



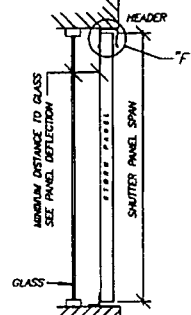
DETAILS 3, 4 AND 8 ON SHEET 2

DETAILS 5, 7, 9, 10 AND 11 ON SHEET 2



DETAILS 5, 7, 9, 10 AND 11 ON SHEET 2

DETAIL 2 ON SHEET 2
DETAIL 16 ON SHEET 3



DETAIL 4 ON SHEET 2

HEADER AND SILL TYPE MAY VARY, DEPENDING ON APPLICATION

WALL MOUNT

ANCHORING PANEL TOP & BOTTOM NO HDR. OR SILL

WALL MOUNT

ANCHORING PANEL TOP & BOTTOM WITH STUDDED HDR/SILL

WALL MOUNT

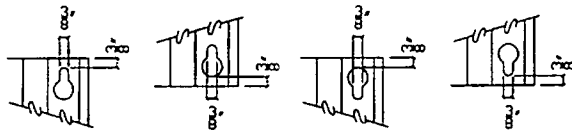
WITH HDR. AND SILL

BUILD OUT

WITH HDR. AND SILL

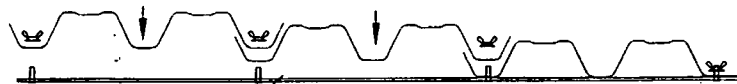
INSIDE MOUNT

WITH HDR. AND SILL



FASTENER MUST BE IN NARROW PORTION OF KEY HOLE
MOUNTING HOLE MAY ALSO BE A 9/16" DIA. CIRCLE

DETAIL "G"



HORIZONTAL BRACE STRAP
HEADER AND SILL

PANELS MAY RUN CONTINUOUS BY WIDTH
EITHER HORIZONTALLY OR VERTICALLY

EXPLODED ASSEMBLY

TYPICAL SECTION VIEWS

Monson
11/2/06
1955

ROBERT S. MONSOUR, PE
EB-0006024
RAMS ENGINEERING, INC.

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Acceptance No. 07-0125-09
Expiration Date 07/07/2012
By *Helmut Albrecht*
Miami Dade Product Control
Division

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Acceptance No. 06-0117-06
Expiration Date 07/07/2007
By *Helmut Albrecht*
Miami Dade Product Control
Division

BUILDING CODE COMPLIANCE

REVISIONS	BY
06/03/99	SS

RAMS ENGINEERING, INC.
Structural Design
510 W. 7th Street, Suite 311
MIAMI, FLORIDA 33138
EB 0006024

METALTECH, INC.
7835 W. SECOND CT. HIALEAH, FL 33014
EST. 1957

REV	DATE	DESCRIPTION
1	01/15/99	
2		
3		
4		

ANCHOR SCHEDULE

ANCHOR SPACING vs DESIGN PRESSURE AND CONNECTION TYPE		UP TO 59.6 PSF															UPTO 71.5 PSF														
		POURED CONCRETE					CONCRETE BLOCK					POURED CONCRETE					CONCRETE BLOCK														
		CONNECTION TYPE					CONNECTION TYPE					CONNECTION TYPE					CONNECTION TYPE														
ANCHOR TYPE	PANEL	E.D.	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E									
	68" SPAN	3"	16	13	8	13	13	16	13	10	13	13	16	13	7	13	13	16	13	8	13	13									
		2"	16	13	7	13	13	16	13	8	13	13	16	13	5	13	13	16	13	6	13	13									
		1 1/4"	16	13	5	13	13	16	13	6	13	13	14	13	4	13	13	14	13	4	13	13									
	88" SPAN	3"	16	13	6	13	13	16	13	7	13	13	14	6	5	9	10	14	6	6	9	10									
		2"	15	11	5	13	13	15	11	6	13	13	12	6	4	8	9	12	6	5	8	9									
		1 1/4"	13	10	4	13	13	13	10	5	13	13	11	5	3	7	8	11	5	4	7	8									
	105" span	3"	14	6	5	9	10	14	7	6	9	10	11	4	4	5	4	12	4	5	5	4									
		2"	12	6	4	8	9	12	6	5	8	9	10	4	4	5	4	10	4	4	5	4									
		1 1/4"	11	5	3	7	8	11	5	4	7	8	9	3	3	4	3	9	3	3	4	3									
	126" span	3"	11	4	4	5	4	12	4	5	5	4	10	3	4	4	3	10	3	4	4	3									
		2"	10	4	4	5	4	10	4	4	5	4	8	3	3	3	3	9	3	3	3	3									
		1 1/4"	9	3	3	4	3	9	3	3	4	3	8	3	3	3	3	8	3	3	3	3									
150" span	3"	10	3	4	4	3	10	3	4	4	3																				
	2"	9	3	3	3	3	9	3	3	3	3																				
	1 1/4"	8	3	3	3	3	8	3	3	3	3																				
	68" SPAN	3"	16	13	7	13	13	16	13	6	13	13	15	13	6	13	13	11	11	5	11	11									
		2"	15	13	6	13	13	12	12	5	12	12	13	13	5	13	13	10	10	4	10	10									
		1 1/4"	14	13	5	13	13	10	10	4	10	10	12	12	4	12	12	9	9	3	9	9									
	88" SPAN	3"	13	10	6	13	13	10	8	5	10	10	11	5	5	7	8	8	4	4	5	6									
		2"	12	9	5	12	12	9	7	4	9	9	10	5	4	6	7	7	3	3	5	5									
		1 1/4"	11	8	4	11	11	8	6	3	8	8	9	4	3	6	6	7	3	3	4	5									
	105" span	3"	11	5	5	7	8	8	4	4	5	6	9	3	4	4	3	7	3	3	3	3									
		2"	10	5	4	7	7	7	4	3	5	6	8	3	3	4	3	6	3	3	3	3									
		1 1/4"	9	4	3	6	7	7	3	3	4	5	8	3	3	4	3	6	3	3	3	3									
	126" span	3"	9	3	4	4	3	7	3	3	3	3	8	3	3	3	3	6	3	3	3	3									
		2"	8	3	3	4	3	6	3	3	3	3	7	3	3	3	3	5	3	3	3	3									
		1 1/4"	8	3	3	4	3	6	3	3	3	3	6	3	3	3	3	5	3	3	3	3									
150" span	3"	8	3	3	3	3	6	3	3	3	3																				
	2"	7	3	3	3	3	5	3	3	3	3																				
	1 1/4"	6	3	3	3	3	5	3	3	3	3																				
	68" SPAN	3"	16	13	11	13	13	16	13	7	13	13	16	13	9	13	13	13	13	6	13	13									
		2"	16	13	9	13	13	14	13	6	13	13	16	13	8	13	13	12	12	5	12	12									
		1 1/4"	16	13	8	13	13	13	13	5	13	13	16	13	8	13	13	10	10	4	10	10									
	88" SPAN	3"	16	13	9	13	13	12	9	5	12	12	16	8	7	11	12	10	5	4	8	7									
		2"	16	13	7	13	13	11	8	4	11	11	15	7	8	10	11	9	4	4	6	6									
		1 1/4"	16	13	6	13	13	10	7	4	10	10	14	7	5	9	10	8	4	3	5	6									
	105" span	3"	16	8	7	11	13	10	5	4	7	8	15	5	6	7	5	8	3	4	4	3									
		2"	16	7	6	10	12	9	4	4	8	7	13	5	5	6	5	8	3	3	4	3									
		1 1/4"	14	7	5	9	10	8	4	3	5	6	12	4	4	5	4	7	3	3	3	3									
	126" span	3"	15	5	6	7	5	8	3	4	4	3	12	4	5	5	3	7	3	3	3	3									
		2"	13	5	5	6	5	8	3	3	4	3	11	3	4	4	3	6	3	3	3	3									
		1 1/4"	12	4	4	5	4	7	3	3	3	3	10	3	3	4	3	6	3	3	3	3									
150" span	3"	12	4	5	5	3	7	3	3	3	3																				
	2"	11	3	4	4	3	6	3	3	3	3																				
	1 1/4"	10	3	3	4	3	6	3	3	3	3																				
	68" SPAN	3"	16	13	12	13	13	16	13	7	13	13	16	13	10	13	13	13	13	6	13	13									
		2.5"	16	13	10	13	13	14	13	6	13	13	16	13	9	13	13	12	12	5	12	12									
		2"	16	13	8	13	13	13	13	5	13	13	16	13	7	13	13	10	10	4	10	10									
	88" SPAN	3"	16	13	9	13	13	12	9	5	12	12	16	10	8	13	13	10	5	4	6	7									
		2.5"	16	13	8	13	13	11	8	5	11	11	16	9	7	12	13	9	4	4	6	6									
		2"	16	13	6	13	13	10	7	4	10	10	16	8	5	11	12	8	4	3	5	6									
	105" span	3"	16	10	8	13	13	10	5	4	7	8	16	6	7	8	3	8	3	4	4	3									
		2.5"	16	9	7	13	13	9	4	4	8	7	16	6	6	8	3	8	3	3	4	3									
		2"	16	8	5	11	13	8	4	3	5	6	14	5	4	7	3	7	3	3	3	3									
	126" span	3"	16	6	7	8	7	8	3	4	4	3	15	4	6	6	6	7	3	3	3	3									
		2.5"	16	6	6	8	6	8	3	3	4	3	13	4	5	5	5	6	3	3	3	3									
		2"	14	5	4	7	5	7	3	3	4	3	12	4	4	5	5	6	3	3	3	3									
150" span	3"	15	4	6	6	4	7	3	3	3	3																				
	2.5"	14	4	5	5	4	6	3	3	3	3																				
	2"	12	4	4	5	3	6	3	3	3	3																				

NOTES:

SPANS AND LOADS SHOWN IN THIS SCHEDULE ARE FOR DETERMINING ANCHOR SPACING ONLY. FOR ALLOWABLE SPANS VS. DESIGN LOADS REFER TO SHEET 4.

MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO AND/OR WALL FINISHES.

SHADED AREAS REPRESENT ANCHOR CONDITIONS THAT ARE NOT ACCEPTABLE.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE TO WITH STAND THE ADDITIONAL LOADS AND INSURE PROPER ANCHORAGE. SHUTTER SYSTEM MAY BE INTALL INTO WOOD, CONCRETE OR MASONRY.

REVISIONS	BY
06/03/99	SP
01/06/06	SP

RAMS ENGINEERING, INC.
Structural Design
 1102 W. 7TH STREET, SUITE 311
 MIAMI, FLORIDA 33135
 EB 0006024

METALTECH, INC.
 7044 W. SECOND CT. - MULLAH, FL 33014
 EST. 1957

BUILDING CODE COMPLIANCE
 IBC
 SPD/RB
 01/13/08
 SHOWN
 99001
5
 7

ROBERT S. MONSOUR, PE
 EB-0006024
 RAMS ENGINEERING, INC.

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 07-0125.09
 Expiration Date 07/01/2012
 By *Helmut A. Hildebrand*
 Miami Code Product Control Division

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 06-0117.06
 Expiration Date 07/01/2007
 By *Helmut A. Hildebrand*
 Miami Code Product Control Division

MONSOUR
 11/1/05

ANCHOR SCHEDULE

ANCHOR SPACING vs DESIGN PRESSURE AND CONNECTION TYPE			UP TO 81.5 PSF										UPTO 91.4 PSF																														
			POURED CONCRETE CONNECTION TYPE					CONCRETE BLOCK CONNECTION TYPE					POURED CONCRETE CONNECTION TYPE					CONCRETE BLOCK CONNECTION TYPE																									
			A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E																					
ANCHOR TYPE	PANEL	E.D.																																									
	68" SPAN	3"	15	10	6	13	13	19	10	7	13	13	13	7	5	9	11	13	7	6	9	11	12	6	4	8	9	12	8	5	8	10	11	5	3	7	9	11	5	4	7	9	
		1 1/4"	12	8	4	12	12	12	8	4	12	12	11	5	3	7	9	11	5	4	7	9	11	3	4	5	3	11	4	5	5	3	9	3	3	4	3	10	3	4	4	3	
	88" SPAN	3"	12	4	5	8	5	12	5	5	6	5	11	3	4	5	3	11	4	5	5	3	8	3	3	4	3	9	3	3	4	3	8	3	3	4	3	9	3	3	4	3	
		1 1/4"	10	4	3	5	4	10	4	3	5	4	9	3	3	4	3	10	3	4	4	3	7	3	3	3	3	8	3	3	3	3											
	105" span	3"	10	3	4	4	3	10	3	5	4	3																															
		1 1/4"	9	3	3	4	3	9	3	4	4	3																															
	126" span	3"																																									
		1 1/4"																																									
	150" span	3"																																									
		1 1/4"																																									
		68" SPAN	3"	13	8	5	12	13	9	6	4	8	9	11	5	5	8	9	8	4	4	6	7	10	5	4	7	8	8	4	3	5	8	9	4	3	6	7	7	3	3	4	5
			1 1/4"	11	7	5	11	11	8	5	3	7	8	9	4	3	6	7	7	3	3	4	5	8	3	3	3	3	8	3	3	3	3										
88" SPAN		3"	10	4	4	5	4	7	3	3	4	3	8	3	3	3	3	7	3	3	3	3	7	3	3	3	3	7	3	3	3	3											
		1 1/4"	8	3	3	4	3	8	3	3	3	3	7	3	3	3	3	5																									
105" span		3"	8	3	4			8		3																																	
		1 1/4"	7	3	3			5		1 1/4"																																	
126" span		3"																																									
		1 1/4"																																									
150" span		3"																																									
		1 1/4"																																									
		68" SPAN	3"	16	13	9	13	13	11	7	5	11	11	16	8	7	12	13	10	5	4	7	8	16	8	6	10	12	9	4	4	6	7	14	7	5	9	11	8	4	3	5	6
			1 1/4"	16	10	8	13	13	9	6	3	9	9	14	7	5	9	11	8	4	3	5	6	14	4	8	8	4	8	3	3	3	3										
	88" SPAN	3"	15	6	6	8	8	9	3	4	4	4	14	4	5	5	4	7	3	3	3	3	12	4	5	5	4	7	3	3	3	3											
		1 1/4"	14	5	5	7	8	8	3	3	4	3	11	4	4	5	3	6																									
	105" span	3"	13	4	5	5	4	7	3	3	3	3																															
		1 1/4"	11	3	4	5	3	7	3	3	3	3																															
	126" span	3"																																									
		1 1/4"																																									
	150" span	3"																																									
		1 1/4"																																									
		68" SPAN	3"	15	13	9	13	13	11	7	5	11	11	16	10	8	13	13	10	5	4	7	8	16	9	7	13	13	9	4	4	6	7	16	8	5	12	13	8	4	3	5	6
			2.5"	15	13	7	13	13	10	7	4	10	10	16	8	5	12	13	8	4	3	5	6	16	8	5	12	13	8	4	3	5	6										
88" SPAN		3"	16	7	7	9	8	9	3	4	4	4	16	5	6	7	5	8	3	3	3	3	15	5	5	6	5	7	3	3	3	3											
		2.5"	16	6	8	8	7	8	3	3	4	3	13	4	4	6	4	6																									
105" span		3"	18	5	6	8	4	7	3	3	3	3																															
		2.5"	14	4	5	6	4	7	3	3	3	3																															
126" span		3"	13	4	4	5	4	6																																			
		2.5"																																									
150" span		3"																																									
		2.5"																																									

NOTES:

SPANS AND LOADS SHOWN IN THIS SCHEDULE ARE FOR DETERMINING ANCHOR SPACING ONLY. FOR ALLOWABLE SPANS VS. DESIGN LOADS REFER TO SHEET 4.

MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO AND/OR WALL FINISHES.

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REVISIONS	BY
06/03/99	SF
01/06/06	SF

RAMMS ENGINEERING, INC.
Structural Design
 310 N. 7th Street, Suite 211
 MESA, FLORIDA 33015
 EB 0006024

METALTECH, INC.
 EST. 1957
 7833 W. SECOND ST. MESA, FL. 33014

SEP / 18 / 2011
01/13/99
SHOWN
92001
6
7

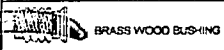

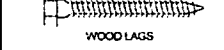
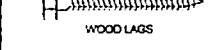
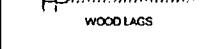
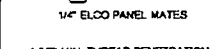


PRODUCT RENEWED
 in compliance with the Florida
 Building Code
 Acceptance No 07-0125.09
 Expiration Date 07/01/2012
 By *Helmut Miller*
 Miami Design Product Control
 Division

PRODUCT REVISED
 in compliance with the Florida
 Building Code
 Acceptance No 06-0117.06
 Expiration Date 07/01/2007
 By *Helmut Miller*
 Miami Design Product Control
 Division

ROBERT S. MONSOUR, PE
 EB-0006024
 RAMMS ENGINEERING, INC.

BUILDING CODE COMPLIANCE

ANCHOR SCHEDULE

WOOD APPLICATIONS		UP TO 59.5 PSF					UP TO 71.5 PSF					UP TO 81.5 PSF					UP TO 91.4 PSF						
ANCHOR TYPE	DIA.	CONNECTION TYPE					CONNECTION TYPE					CONNECTION TYPE					CONNECTION TYPE						
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E		
 BRASS WOOD BUSHING 1" MIN. PENETRATION	1/4-20	68" SPAN	14	13	5	13	13	12	12	5	12	12	10	7	4	10	10	9	4	4	6	7	
		88" SPAN	11	9	4	11	11	9	4	3	6	7	8	3	3	4	3	7	3	3	3	7	
		105" SPAN	9	4	4	9	7	16	3	3	4	3	7	3	3	3	3	7	3	3	3	3	
		125" SPAN	8	3	3	4	3	16	3	3	4	3	7	3	3	3	3	7	3	3	3	3	
		150" SPAN	6					16	3	3	4	3	7	3	3	3	3	7	3	3	3	3	
 WOOD LAGS 1" MINIMUM TREAD PENETRATION	1/4"	68" SPAN	16	13	8	13	13	15	13	8	13	13	14	9	6	13	13	12	9	5	8	9	
		88" SPAN	14	11	6	13	13	12	8	5	8	9	10	4	4	5	4	9	3	4	4	4	3
		105" SPAN	12	6	5	9	9	10	4	4	5	4	9	3	4	4	4	9	3	4	4	4	3
		125" SPAN	10	4	3	5	4	10	3	3	3	4	9	3	4	4	4	9	3	4	4	4	3
		150" SPAN	9			3	3	10	3	3	3	4	9	3	4	4	4	9	3	4	4	4	3
 WOOD LAGS 1" MINIMUM TREAD PENETRATION	5/16"	68" SPAN	18	13	10	13	13	16	13	8	13	13	18	10	7	13	13	14	7	6	9	11	
		88" SPAN	16	13	7	13	13	14	7	8	9	10	12	5	5	6	5	11	4	5	5	5	3
		105" SPAN	14	7	6	9	10	12	4	5	6	4	10	3	5	4	3	10	3	5	4	3	3
		125" SPAN	12	4	5	6	4	10	3	4	4	4	10	3	4	4	4	10	3	4	4	4	3
		150" SPAN	10	3	4	4	4	10	3	4	4	4	10	3	4	4	4	10	3	4	4	4	3
 WOOD LAGS 1" MINIMUM TREAD PENETRATION	3/8"	68" SPAN	18	13	11	13	13	16	13	9	13	13	16	12	8	13	13	16	8	7	11	13	
		88" SPAN	16	13	9	13	13	16	8	7	10	12	14	5	6	7	8	13	4	8	5	4	4
		105" SPAN	16	8	7	11	12	14	5	6	6	5	12	4	5	5	3	12	4	5	5	3	3
		125" SPAN	13	5	6	6	5	11	3	5	4	5	11	3	5	4	5	11	3	5	4	5	3
		150" SPAN	11	3	5	4	3	11	3	5	4	3	11	3	5	4	3	11	3	5	4	3	3
 WOOD LAGS 1" MINIMUM TREAD PENETRATION	7/16"	68" SPAN	18	13	12	13	13	18	13	10	13	13	16	13	9	13	13	18	9	8	12	13	
		88" SPAN	16	13	9	13	13	16	8	8	12	13	16	6	7	8	7	14	5	9	6	4	4
		105" SPAN	16	9	8	12	13	15	5	7	7	6	13	4	6	5	4	13	4	6	5	4	4
		125" SPAN	15	5	7	7	6	13	4	5	5	6	13	4	5	5	6	13	4	5	5	6	4
		150" SPAN	13	4	5	5	3	13	4	5	5	3	13	4	5	5	3	13	4	5	5	3	3
 1/4" E-60 PANEL MATS 1 7/8" MIN. THREAD PENETRATION	1/4"	68" SPAN	18	13	8	13	13	15	13	6	13	13	14	9	6	13	13	12	6	5	8	9	
		88" SPAN	14	11	6	13	13	12	8	5	8	9	10	4	4	5	4	9	3	4	4	4	3
		105" SPAN	12	8	5	8	9	10	4	4	5	4	9	3	4	4	4	9	3	4	4	4	3
		125" SPAN	10	4	3	5	4	8	3	3	3	4	8	3	3	3	4	8	3	3	3	4	3
		150" SPAN	8			3	3	8	3	3	3	4	8	3	3	3	4	8	3	3	3	4	3
 1/4" E-60 PANEL MATS 1 7/8" MIN. T-THREAD PENETRATION	1/4"	68" SPAN	18	13	8	13	13	15	13	6	13	13	14	9	6	13	13	12	6	5	8	9	
		88" SPAN	14	11	6	13	13	12	8	5	8	9	10	4	4	5	4	9	3	4	4	4	3
		105" SPAN	12	8	5	8	9	10	4	4	5	4	9	3	4	4	4	9	3	4	4	4	3
		125" SPAN	10	4	3	5	4	8	3	3	3	4	8	3	3	3	4	8	3	3	3	4	3
		150" SPAN	8			3	3	8	3	3	3	4	8	3	3	3	4	8	3	3	3	4	3
 VARIOUS HEAD TYPES 1/4" MASONRY SCREWS 1 7/8" MIN. T-THREAD PENETRATION	1/4"	68" SPAN	18	13	8	13	13	15	13	6	13	13	14	9	6	13	13	12	6	5	8	9	
		88" SPAN	14	11	6	13	13	12	8	5	8	9	10	4	4	5	4	9	3	4	4	4	3
		105" SPAN	12	8	5	8	9	10	4	4	5	4	9	3	4	4	4	9	3	4	4	4	3
		125" SPAN	10	4	3	5	4	8	3	3	3	4	8	3	3	3	4	8	3	3	3	4	3
		150" SPAN	8			3	3	8	3	3	3	4	8	3	3	3	4	8	3	3	3	4	3


NOTES:


SPANS AND LOADS SHOWN IN THIS SCHEDULE ARE FOR DETERMINING ANCHOR SPACING ONLY. FOR ALLOWABLE SPANS VS. DESIGN LOADS REFER TO SHEET 4.


WHEN ANCHORING TO WOOD, THE WOOD MUST BE A MINIMUM 2 X 4 EQUAL TO #2 SOUTHERN PINE 0.55 SPECIFIC GRAVITY AND STRUCTURALLY PART OF THE FRAMING STRUCTURE OR SECURELY ATTACHED TO FRAMING STRUCTURE

SHADED AREAS REPRESENT ANCHOR CONDITIONS THAT ARE NOT ACCEPTABLE.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE TO WITH STAND THE ADDITIONAL LOADS AND INSURE PROPER ANCHORAGE. SHUTTER SYSTEM MAY BE INTALL INTO WOOD, CONCRETE OR MASONRY.


 ROBERT S. MONSOUR, PE
 EB-0006024
 RAMMS ENGINEERING, INC.

PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0125.09
 Expiration Date: 07/01/2012
 By: 
 Helmut A. Madler
 Helmut A. Madler Product Control
 Division

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 06-0117.06
 Expiration Date: 07/01/2007
 By: 
 Helmut A. Madler
 Helmut A. Madler Product Control
 Division

REVISIONS	BY
01/06/06	SP

RAMMS ENGINEERING, INC.
Structural Design
 1102 N. 7TH STREET, SUITE 111
 MIAMI, FLORIDA 33136
 EB 0006024

METALTECH, INC.
 7633 W. SECOND CT. MIAMI, FL 33142
 EST. 1957


BUILDING CODE COMPLIANCE
 SEP/JRB/RSW
 01/13/09
 SHOWN
 8901
7
 7

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri 7-21, 2008

Page 1 of 1

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8927	SCHMIDT	SHUTTER	PASS	
1	8 OAK HILL LN ALL SHUTTER			INSPECTOR: <i>[Signature]</i>
8948	VAN FOSSEN	Pool Sorel	PASS	
2	158 S. River Rd ADVANTAGE POOLS	4 Bond Main Drain		INSPECTOR: <i>[Signature]</i>
8945	NELSON	METER CAN	FAIL	
3	3 MARGUERITA J. NELSON	11:30		INSPECTOR: <i>[Signature]</i>
				INSPECTOR:
				INSPECTOR:
				INSPECTOR:
				INSPECTOR:

OTHER:

11012

A/C CHANGEOUT



TOWN OF SEWALL'S POINT BUILDING DEPARTMENT
 One S. Sewall's Point Road
 Sewall's Point, Florida 34996
 Tel 772-287-2455 Fax 772-220-4765

BUILDING PERMIT CARD

THIS CARD MUST BE POSTED IN A CONSPICUOUS PLACE IN PLAIN VIEW FROM THE STREET PRIOR TO BEGINNING ANY WORK

A FINAL INSPECTION IS REQUIRED FOR ALL PERMITS

PERMIT NUMBER:	11012	DATE ISSUED:	September 16, 2014
SCOPE OF WORK:	A/C Change Out		
CONTRACTOR:	DS Air Conditioning		
PARCEL CONTROL NUMBER:	26-37-41-015-000-00040-6	SUBDIVISION:	Castle Hill, Lot 4
CONSTRUCTION ADDRESS:	8 Oak Hill Way		
OWNER NAME:	Schmidt		
QUALIFIER:	Daniel Shawver	CONTACT PHONE NUMBER:	335-4531

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. A CERTIFIED COPY OF THE RECORDED NOTICE OF COMMENCEMENT MUST BE SUBMITTED TO THE BUILDING DEPARTMENT PRIOR TO THE FIRST REQUESTED INSPECTION.

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN 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.

**24 HOUR NOTICE REQUIRED FOR INSPECTIONS - ALL CONSTRUCTION DOCUMENTS MUST BE AVAILABLE ON SITE
 CALL 287-2455 - 8:00AM TO 4:00PM**

INSPECTIONS: 9:00AM TO 3:00PM - MONDAY THROUGH FRIDAY

INSPECTIONS

UNDERGROUND PLUMBING	_____	UNDERGROUND GAS	_____
UNDERGROUND MECHANICAL	_____	UNDERGROUND ELECTRICAL	_____
STEM-WALL FOOTING	_____	FOOTING	_____
SLAB	_____	TIE BEAM/COLUMNS	_____
ROOF SHEATHING	_____	WALL SHEATHING	_____
TIE DOWN /TRUSS ENG	_____	INSULATION	_____
WINDOW/DOOR BUCKS	_____	LATH	_____
ROOF DRY-IN/METAL	_____	ROOF TILE IN-PROGRESS	_____
PLUMBING ROUGH-IN	_____	ELECTRICAL ROUGH-IN	_____
MECHANICAL ROUGH-IN	_____	GAS ROUGH-IN	_____
FRAMING	_____	METER FINAL	_____
FINAL PLUMBING	_____	FINAL ELECTRICAL	_____
FINAL MECHANICAL	_____	FINAL GAS	_____
FINAL ROOF	_____	BUILDING FINAL	_____

ALL RE-INSPECTION FEES AND ADDITIONAL INSPECTION REQUESTS WILL BE CHARGED TO THE PERMIT HOLDER. THE CONTRACTOR OR OWNER /BUILDER MUST SCHEDULE A FINAL INSPECTION. FAILURE TO RECEIVE A SUCCESSFUL FINAL INSPECTION WILL RESULT IN PERMIT RENEWAL FEES, FINES, AND OR DENIAL OF FUTURE BUILDING PERMITS TO THE CONTRACTOR OR OWNER /BUILDER.



TOWN OF SEWALL'S POINT BUILDING DEPARTMENT
 One S. Sewall's Point Road
 Sewall's Point, Florida 34996
 Tel 772-287-2455 Fax 772-220-4765

BUILDING PERMIT RECEIPT

PERMIT NUMBER:	11012		
ADDRESS:	8 Oak Hill Way		
DATE ISSUED:	9/16/2014	SCOPE OF WORK:	A/C Change Out

SINGLE FAMILY OR ADDITION /REMODEL		Declared Value	\$	
---	--	-----------------------	----	--

Plan Submittal Fee (\$350.00 SFR, \$175.00 Remodel < \$200K) (No plan submittal fee when value is less than \$100,000)		\$	
Total square feet air-conditioned spa @ \$ 121.75 per sq. ft. s.f.		\$	-
Total square feet non-conditioned space, or interior remodel: @ \$ 59.81 per sq. ft. s.f.		\$	-
Total square feet remodel with new trusses: \$ 90.78 per sq. ft. s.f.		\$	-
Total Construction Value:		\$	\$ -
Building fee: (2% of construction value SFR or >\$200K)		\$	n/a
Building fee: (1% of construction value < \$200K + \$100 per insp.)		\$	-
Total number of inspections (Value < \$200K) \$ 100.00 per insp. # insp.			n/a
Dept. of Comm. Affairs Fee: (1.5% of permit fee - \$2.00 min)		\$	n/a
DBPR Licensing Fee: (1.5% of permit fee - \$2.00 min.)		\$	n/a
Road impact assessment: (.04% of construction value - \$5 min.)			n/a
Martin County Impact Fee:		\$	
TOTAL BUILDING PERMIT FEE:		\$	\$ -

ACCESSORY PERMIT	Declared Value:	\$	\$ 3,500.00
Total number of inspections: @ \$ 100.00 per insp. # insp.		\$ 1.00	\$ 100.00
Dept. of Comm. Affairs Fee: (1.5% of permit fee - \$2.00 min)		\$	\$ 2.00
DBPR Licensing Fee: (1.5% of permit fee - \$2.00 min.)		\$	\$ 2.00
Road impact assessment: (.04% of construction value - \$5 min.)		\$	\$ 5.00
TOTAL ACCESSORY PERMIT FEE:		\$	\$ 109.00

Town of Sewall's Point

BUILDING PERMIT APPLICATION

Date: 09/10/2014

Permit Number: 11012

OWNER/LESSEE NAME: Frederich & Maureen Schmidt Phone (Day) 772-403-3363 (Fax) _____
 Job Site Address: 8 Oak Hill Way City: Stuart State: FL Zip: 34996
 Legal Description Castle Hill, Lot 4 Parcel Control Number: 26-37-41-015-000-0004-6
 Fee Simple Holder Name: _____ Address: _____
 City: _____ State: _____ Zip: _____ Telephone: _____

***SCOPE OF WORK (PLEASE BE SPECIFIC):** HVAC change out

WILL OWNER BE THE CONTRACTOR?
 (If yes, Owner Builder questionnaire must accompany application)
 YES NO
Has a Zoning Variance ever been granted on this property?
 YES (YEAR) _____ NO
 (Must include a copy of all variance approvals with application)

COST AND VALUES: (Required on ALL permit applications)
 Estimated Value of Improvements: \$ 3,500
 (Notice of Commencement required when over \$2500 prior to first inspection, \$7,500 on HVAC change out)
 Is subject property located in flood hazard area? VE10 AE9 AE8
FOR ADDITIONS, REMODELS AND RE-ROOF APPLICATIONS ONLY:
 Estimated Fair Market Value prior to improvement: \$ _____
 (Fair Market Value of the Primary Structure only, Minus the land value)
 PRIVATE APPRAISALS MUST BE SUBMITTED WITH PERMIT APPLICATION

Construction Company: DS Air Conditioning, Inc Phone: 7723-335-4251 Fax: _____
 Qualifiers name: Daniel Shawver Street: PO Box 197 City: Jensen Beach State: FL Zip: 34958
 State License Number: CAC058715 OR: Municipality: _____ License Number: _____

LOCAL CONTACT: Daniel Shawver Phone Number: 772-335-4531

DESIGN PROFESSIONAL: _____ Fla. License# _____
 Street: _____ City: _____ State: _____ Zip: _____ Phone Number: _____

AREAS SQUARE FOOTAGE: Living: _____ Garage: _____ Covered Patios/ Porches: _____ Enclosed Storage: _____
 Carport: _____ Total under Roof _____ Elevated Deck: _____ Enclosed area below BFE*: _____
 * Enclosed non-habitable areas below the Base Flood Elevation greater than 300 sq. ft. require a Non-Conversion Covenant Agreement.

CODE EDITIONS IN EFFECT THIS APPLICATION: Florida Building Code (Structural, Mechanical, Plumbing, Existing, Gas): 2010
 National Electrical Code: 2008, Florida Energy Code: 2010, Florida Accessibility Code: 2010, Florida Fire Prevention Code: 2010

WARNINGS TO OWNERS AND CONTRACTORS:

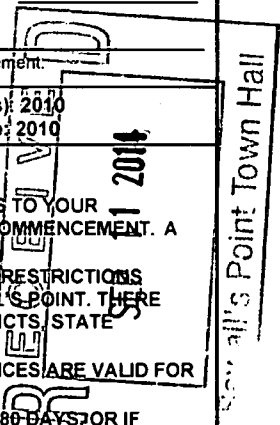
- YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. WHEN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION.
- IT IS YOUR RESPONSIBILITY TO DETERMINE IF YOUR PROPERTY IS ENCUMBERED BY ANY DEED RESTRICTIONS. SOME RESTRICTIONS APPLICABLE TO THIS PROPERTY MAY BE FOUND IN THE PUBLIC RECORDS OF MARTIN COUNTY OR THE TOWN OF SEWALL'S POINT. THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.
- BUILDING PERMITS FOR SINGLE FAMILY RESIDENCES AND SUBSTANTIAL IMPROVEMENTS TO SINGLE FAMILY RESIDENCES ARE VALID FOR A PERIOD OF 24 MONTHS. RENEWAL FEES WILL BE ASSESSED AFTER 24 MONTHS PER TOWN ORDINANCE 50-95.
- THIS PERMIT WILL BECOME NULL AND VOID IF THE WORK AUTHORIZED BY THIS PERMIT IS NOT COMMENCED WITHIN 180 DAYS, OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AT ANY TIME AFTER THE WORK IS COMMENCED. ADDITIONAL FEES WILL BE ASSESSED ON ANY PERMIT THAT BECOMES NULL AND VOID. REF. FBC 2007 SECT. 105.4.1, 105.4.1.1 - .5.

******* A FINAL INSPECTION IS REQUIRED ON ALL BUILDING PERMITS*******

AFFIDAVIT: APPLICATION IS HEREBY MADE TO OBTAIN A PERMIT TO DO THE WORK AS SPECIFICALLY INDICATED ABOVE. I CERTIFY THAT NO WORK OR INSTALLATION HAS COMMENCED PRIOR TO THE ISSUANCE OF A PERMIT AND THAT THE INFORMATION I HAVE FURNISHED ON THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I AGREE TO COMPLY WITH ALL APPLICABLE CODES, LAWS, AND ORDINANCES OF THE TOWN OF SEWALL'S POINT DURING THE BUILDING PROCESS.

OWNER /AGENT/LESSEE - NOTARIZED SIGNATURE:
 X _____
 State of Florida, County of: Martin
 On This the 10 day of September, 2014
 by Daniel Shawver who is personally
 known to me or produced _____
 As identified by: PATRICIA A. KELVASA
 MY COMMISSION # FF085476 Notary Public
 EXPIRES: JAN 22, 2018
 Commission Expires: Jan 22, 2018

CONTRACTOR/LICENSEE NOTARIZED SIGNATURE:
 X _____
 State of Florida, County of: _____
 On This the _____ day of _____, 20____
 by _____ who is personally
 known to me or produced _____
 As identification. _____
 Notary Public
 My Commission Expires: _____



SINGLE FAMILY PERMIT APPLICATIONS MUST BE ISSUED WITHIN 30 DAYS OF APPROVAL NOTIFICATION (FBC 105.3.4) ALL OTHER APPLICATIONS WILL BE CONSIDERED ABANDONED AFTER 180 DAYS (FBC 105.3.2) - PLEASE PICK UP YOUR PERMIT PROMPTLY!



TOWN OF SEWALL'S POINT BUILDING DEPARTMENT
 One S. Sewall's Point Road
 Sewall's Point, Florida 34996
 Tel 772-287-2455 Fax 772-2204765

TOWN OF SEWALL'S POINT
 BUILDING DEPARTMENT
 FILE COPY

Air Conditioning Change out Affidavit

Residential Commercial _____

Package Unit Yes No (Use Condenser side of form below for equipment listing)

Duct Replacement Yes No - Refrigerant line replacement Yes No

Flushing Existing Refrigerant lines Yes No - Adding Refrigerant Drier Yes No

Rooftop A/C Stand Installation Yes No - Curb Installation Yes No

Smoke Detector in Supply (over 2000 CFM) Yes No

One form required for each A/C system installed

REPLACEMENT SYSTEM COMPONENTS

Air handler: Mfg: Bryant Model# FB4CNP048LOO
 Volts 230 CFM's 1400 Heat Strip 8 Kw
 Min. Circuit Amps 45 Wire gauge #8
 Max. Breaker size 50 Min. Breaker size 50
 Ref. line size: Liquid 3/8 Suction 1/8
 Refrigerant type R-410A
 Location: Existing New _____
 Attic/Garage/Closet (specify) Attic
 Access: NEED 10' LADDER

Condenser: Mfg Bryant Model# 215BNA042000
 Volts 230 SEER/EER 15 BTU's 42000
 Min. Circuit Amps 38 Wire gauge #8
 Max. Breaker size 40 Min. Breaker size 40
 Ref. line size: Liquid 3/8 Suction 1/8
 Refrigerant type R410A
 Location: Existing New _____
 Left/Right/Rear/Front/Roof LEFT
 Condensate Location RIGHT SIDE

NOTE: CONTRACTOR MUST SUPPLY A PROPER LADDER IF REQUIRED FOR INSPECTION

EXISTING SYSTEM COMPONENTS

Air handler: Mfg: Lennox Model# H523-461-2P
 Volts 230 CFM's 1400 Heat Strip 8 Kw
 Min. Circuit Amps unknown Wire gauge #8
 Max. Breaker size unknown Min. Breaker size unknown
 Ref. line size: Liquid 3/8 Suction 1/8
 Refrigerant type R-22
 Location: Ext. New _____
 Attic/Garage/Closet (specify) Attic
 Access: _____

Condenser: Mfg Lennox Model# CB30M-51-1P
 Volts 230 SEER/EER unknown BTU's 42000
 Min. Circuit Amps unknown Wire gauge #8
 Max. Breaker size unknown Min. Breaker size unknown
 Ref. line size: Liquid 3/8 Suction 1/8
 Refrigerant type R-22
 Location: Ext. New _____
 Left/Right/Rear/Front/Roof LEFT
 Condensate Location RIGHT SIDE

Certification:

I hereby certify that the information entered on this form accurately represents the equipment installed and further that this equipment is considered matched as required by FBC - R (N)1107 & 1108

Signature

Date 9.10-14



TOWN OF SEWALL'S POINT BUILDING DEPARTMENT
 One S. Sewall's Point Road
 Sewall's Point, Florida 34996
 Tel 772-287-2455 Fax 772-2204765

Permit #11012

Air Conditioning Change out Affidavit

Residential Commercial _____

Package Unit Yes No (Use Condenser side of form below for equipment listing)

Duct Replacement Yes No - Refrigerant line replacement Yes No

Flushing Existing Refrigerant lines Yes No - Adding Refrigerant Drier Yes No

Rooftop A/C Stand Installation Yes No - Curb Installation Yes No

Smoke Detector in Supply (over 2000 CFM) Yes No

One form required for each A/C system installed

REPLACEMENT SYSTEM COMPONENTS

Air handler: Mfg: BRYANT Model# FX4DNF025TOO
 Volts 230 CFM's 800 Heat Strip 5 Kw
 Min. Circuit Amps 30 Wire gauge 8
 Max. Breaker size 30 Min. Breaker size 30
 Ref. line size: Liquid 3/8 Suction 3/4
 Refrigerant type R-410a
 Location: Existing New _____
 Attic/Garage/Closet (specify) Crawlspace
 Access: _____

Condenser: Mfg BRYANT Model# 116BNA024000
 Volts 230 SEER/EER 16 BTU's 23400
 Min. Circuit Amps _____ Wire gauge 10
 Max. Breaker size 25 Min. Breaker size 25
 Ref. line size: Liquid 3/8 Suction 3/4
 Refrigerant type R410A
 Location: Existing New _____
Left/Right/Rear/Front/Roof side
 Condensate Location _____

NOTE: CONTRACTOR MUST SUPPLY A PROPER LADDER IF REQUIRED FOR INSPECTION

EXISTING SYSTEM COMPONENTS

Air handler: Mfg: LENNOX Model# HAC024A1CC4
 Volts 230 CFM's 800 Heat Strip 5 Kw
 Min. Circuit Amps 30 Wire gauge 8
 Max. Breaker size 30 Min. Breaker size 30
 Ref. line size: Liquid 3/8 Suction 3/4
 Refrigerant type R-22
 Location: Ext. New _____
 Attic/Garage/Closet (specify) crawlspace
 Access: _____

Condenser: Mfg LENNOX Model# NFCX3600C2
 Volts 230 SEER/EER 10 BTU's _____
 Min. Circuit Amps 17 Wire gauge 10
 Max. Breaker size 25 Min. Breaker size 25
 Ref. line size: Liquid 3/8 Suction 3/4
 Refrigerant type R-22
 Location: Ext. New _____
Left/Right/Rear/Front/Roof side
 Condensate Location _____

Certification:

I herby certify that the information entered on this form accurately represents the equipment installed and further that this equipment is considered matched as required by FBC - R (N)1107 & 1108

[Signature]
 Signature

10.14.14
 Date



TOWN OF SEWALL'S POINT BUILDING DEPARTMENT
 One S. Sewall's Point Road
 Sewall's Point, Florida 34996
 Tel 772-287-2455 Fax 772-2204765

Permit #11012

TOWN OF SEWALL'S POINT
 BUILDING DEPARTMENT
 FILE COPY

Air Conditioning Change out Affidavit

Residential Commercial _____

Package Unit Yes No (Use Condenser side of form below for equipment listing)

Duct Replacement Yes No - Refrigerant line replacement Yes No

Flushing Existing Refrigerant lines Yes No - Adding Refrigerant Drier Yes No

Rooftop A/C Stand Installation Yes No - Curb Installation Yes No

Smoke Detector in Supply (over 2000 CFM) Yes No

ADD 2 MORE UNITS

REVISION

DATE 12-16-14

One form required for each A/C system installed

REPLACEMENT SYSTEM COMPONENTS

Air handler: Mfg: BRYANT Model# FX4DNF025TOO
 Volts 230 CFM's 800 Heat Strip 5 Kw
 Min. Circuit Amps 30 Wire gauge 8
 Max. Breaker size 30 Min. Breaker size 30
 Ref. line size: Liquid 3/8 Suction 3/4
 Refrigerant type R-410a
 Location: Existing New _____
 Attic/Garage/Closet (specify) Crawlspace
 Access: _____

Condenser: Mfg BRYANT Model# 116BNA024000
 Volts 230 SEER/EER 16 BTU's 23400
 Min. Circuit Amps _____ Wire gauge 10
 Max. Breaker size 25 Min. Breaker size 25
 Ref. line size: Liquid 3/8 Suction 3/4
 Refrigerant type R410A
 Location: Existing New _____
 (Left/Right/Rear/Front/Roof) side _____
 Condensate Location _____

NOTE: CONTRACTOR MUST SUPPLY A PROPER LADDER IF REQUIRED FOR INSPECTION

EXISTING SYSTEM COMPONENTS

Air handler: Mfg: LENNOX Model# HAC024A1CC4
 Volts 230 CFM's 800 Heat Strip 5 Kw
 Min. Circuit Amps 30 Wire gauge 8
 Max. Breaker size 30 Min. Breaker size 30
 Ref. line size: Liquid 3/8 Suction 3/4
 Refrigerant type R-22
 Location: Ext. New _____
 Attic/Garage/Closet (specify) crawlspace
 Access: _____

Condenser: Mfg LENNOX Model# NFCX3600C2
 Volts 230 SEER/EER 10 BTU's _____
 Min. Circuit Amps 17 Wire gauge 10
 Max. Breaker size 25 Min. Breaker size 25
 Ref. line size: Liquid 3/8 Suction 3/4
 Refrigerant type R-22
 Location: Ext. New _____
 (Left/Right/Rear/Front/Roof) side _____
 Condensate Location _____

Certification:

I herby certify that the information entered on this form accurately represents the equipment installed and further that this equipment is considered matched as required by FBC - R (N) 1107 & 1108

[Signature]
 Signature

10.14.14
 Date



TOWN OF SEWALL'S POINT BUILDING DEPARTMENT
 One S. Sewall's Point Road
 Sewall's Point, Florida 34996
 Tel 772-287-2455 Fax 772-2204765

Permit #11012

TOWN OF SEWALL'S POINT
 BUILDING DEPARTMENT
 FIELD COPY

Air Conditioning Change out Affidavit

Residential Commercial _____

Package Unit Yes No (Use Condenser side of form below for equipment listing)

Duct Replacement Yes No - Refrigerant line replacement Yes No

Flushing Existing Refrigerant lines Yes No - Adding Refrigerant Drier Yes No

Rooftop A/C Stand Installation Yes No - Curb Installation Yes No

Smoke Detector in Supply (over 2000 CFM) Yes No

ADD 2 MORE UNITS

One form required for each A/C system installed

REVISION
 DATE 10-16-14 P.O. GA

REPLACEMENT SYSTEM COMPONENTS

Air handler: Mfg: BRYANT Model# FX4DNF025TOO
 Volts 230 CFM's 800 Heat Strip 5 Kw
 Min. Circuit Amps 30 Wire gauge 8
 Max. Breaker size 30 Min. Breaker size 30
 Ref. line size: Liquid 3/8 Suction 3/4
 Refrigerant type R-410a
 Location: Existing New _____
 Attic/Garage/Closet (specify) Crawlspace
 Access: _____

Condenser: Mfg BRYANT Model# 116BNA024000
 Volts 230 SEER/EER 16 BTU's 23400
 Min. Circuit Amps _____ Wire gauge 10
 Max. Breaker size 25 Min. Breaker size 25
 Ref. line size: Liquid 3/8 Suction 3/4
 Refrigerant type R410A
 Location: Existing New _____
 (Left/Right/Rear/Front/Roof) side
 Condensate Location _____

NOTE: CONTRACTOR MUST SUPPLY A PROPER LADDER IF REQUIRED FOR INSPECTION

EXISTING SYSTEM COMPONENTS

Air handler: Mfg: LENNOX Model# HAC024A1CC4
 Volts 230 CFM's 800 Heat Strip 5 Kw
 Min. Circuit Amps 30 Wire gauge 8
 Max. Breaker size 30 Min. Breaker size 30
 Ref. line size: Liquid 3/8 Suction 3/4
 Refrigerant type R-22
 Location: Ext. New _____
 Attic/Garage/Closet (specify) crawlspace
 Access: _____

Condenser: Mfg LENNOX Model# NFCX3600C2
 Volts 230 SEER/EER 10 BTU's _____
 Min. Circuit Amps 17 Wire gauge 10
 Max. Breaker size 25 Min. Breaker size 25
 Ref. line size: Liquid 3/8 Suction 3/4
 Refrigerant type R-22
 Location: Ext. New _____
 (Left/Right/Rear/Front/Roof) side
 Condensate Location _____

Certification:

I herby certify that the information entered on this form accurately represents the equipment installed and further that this equipment is considered matched as required by FBC - R (N)1107 & 1108

[Signature]
 Signature

10-14-14
 Date



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783


(850) 487-1395

SHAWVER, DANIEL W JR
DS AIR CONDITIONING, INC
1164 NE CROWN TERRACE
JENSEN BEACH FL 34957

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CAC058715 ISSUED 08/12/2014

CERTIFIED AIR COND CONTR
SHAWVER, DANIEL W JR
DS AIR CONDITIONING, INC

IS CERTIFIED under the provisions of Ch. 489 FS.
Expiration date : AUG 31, 2016 L1408120001750

DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

LICENSE NUMBER
CAC058715

The CLASS B AIR CONDITIONING CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG-31, 2016

SHAWVER, DANIEL W JR
DS AIR CONDITIONING, INC
1164 NE CROWN TERRACE
JENSEN BEACH FL 34957



ISSUED: 08/12/2014

DISPLAY AS REQUIRED BY LAW

SEQ # L1408120001750



**CITY OF STUART
LOCAL BUSINESS TAX RECEIPT
2014-2015**

10779	27179	120014
-------	-------	--------

TAX YEAR BEGINS OCTOBER 1 AND ENDS SEPTEMBER 30.
PAYMENT OCTOBER 1 CONSTITUTES VIOLATION
OF CITY CODE OF ORDINANCES

This local business tax receipt does not permit the holder to operate in violation of any City law, ordinance, or regulation. Any changes in location or ownership must be approved by the City License Section, subject to zoning restrictions. This receipt does not constitute an endorsement, approval, or disapproval of the holder's skill or competence or of the compliance or non-compliance of the holder with other laws, regulations, or standards.

Local Business Taxing Questions 772-288-5319

BUSINESS TYPE	CONTRACTOR OFFICE
OWNER AND LOCATION	SHAWVER, DANIEL W 1501 SE DECKER AVE A-121
ST/CITY LICENSE	CAC058715
DESCRIPT	

FEE	PENALTY	TRANSFER	MISCELLANEOUS	PAID
100.00	0.00	0.00	0.00	100.00

BUSINESS NAME AND MAILING ADDRESS	DS AIR CONDITIONING INC SHAWVER, DANIEL W PO BOX 197 JENSEN BEACH FL 34958
-----------------------------------	---

DATE	08/27/2014
------	------------

CHERYL WHITE
CITY CLERK

KEEP THIS RECEIPT - NO TRANSFER WITHOUT ORIGINAL RECEIPT

THIS IS NOT AN INVOICE

THIS IS YOUR LOCAL BUSINESS TAX RECEIPT

**Martin County, Florida
Laurel Kelly, C.F.A**

generated on 9/16/2014 8:50:26 AM EDT

Summary

Parcel ID	Account #	Unit Address	Market Total Value	Website Updated
26-37-41-015-000-00040-6	4148	8 OAK HILL WAY, SEWALL'S POINT	\$538,300	9/13/2014

Owner Information	
Owner(Current)	SCHMIDT FREDERICH M & MAUREEN LORR
Owner/Mail Address	8 OAK HILL WAY STUART FL 34996
Sale Date	2/15/2008
Document Book/Page	<u>2309 1075</u>
Document No.	2066908
Sale Price	845000

Location/Description			
Account #	4148	Map Page No.	SP-01
Tax District	2200	Legal Description	CASTLE HILL, LOT 4
Parcel Address	8 OAK HILL WAY, SEWALL'S POINT		
Acres	.5102		

Parcel Type	
Use Code	0100 Single Family
Neighborhood	120900 Sewall's Lndg/Castle Hill

Assessment Information	
Market Land Value	\$205,000
Market Improvement Value	\$333,300
Market Total Value	\$538,300



TOWN OF SEWALL'S POINT BUILDING DEPARTMENT
 One S. Sewall's Point Road
 Sewall's Point, Florida 34996
 Tel: 772-287-2455 Fax 772-220-4765

FLORIDA ENERGY CONSERVATION CODE

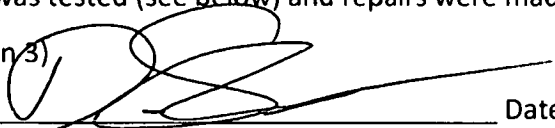
Mandatory Duct Inspection Certification for HVAC change-out

For use when part of the duct and/or HVAC system has been replaced (Section 101.4.7.1.1 & FS 553.912)

Owner: Frederich & Maureen Schmidt Contractor name: DS Air Conditioning, Inc.
 Street address: 8 Oak Hill Way Jurisdiction: 2200
 City: Stuart Permit No.: _____
 Zip: 34996 Final inspection date: _____

I certify that I have inspected the duct work associated with the HVAC unit referenced by the permit listed above and found it complies with the requirements of Section 101.4.7.1.1 as indicated below:

- Where needed, the existing ducts have been sealed using reinforced mastic or code-approved equivalent.
- Ducts are located within conditioned space. (Section 101.4.7.1.1 exception 1)
- The joints or seams are already sealed with fabric and mastic (Section 101.4.7.1.1 exception 2)
- System was tested (see below) and repairs were made as necessary – (Section 101.4.7.1.1 exception 3)

Signature:  Date: 09/10/2014

Printed Name: Daniel W Shawver

Contractor License #: CAC058715

I certified I have tested the replaced air distribution system(s) referenced by the permit listed above at a pressure differential of 25 Pascals (0.10 in. w.c.).

Signature: _____ Date: _____

Printed Name: _____



This combination qualifies for a Federal Energy Efficiency Tax Credit when placed in service between Feb 17, 2009 and Dec 31, 2013.

Certificate of Product Ratings

AHRI Certified Reference Number: 6954472 Date: 9/8/2014

Product: Split System: Heat Pump with Remote Outdoor Unit-Air-Source

Outdoor Unit Model Number: 215BNA042*****

Indoor Unit Model Number: FB4CNP048L

Manufacturer: BRYANT

Trade/Brand name: BRYANT

Series name: 15 SEER LEGACY LINE PURON HP

Manufacturer responsible for the rating of this system combination is BRYANT

Rated as follows in accordance with AHRI Standard 210/240-2008 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (Btuh):	42000
EER Rating (Cooling):	12.50
SEER Rating (Cooling):	15.00
Heating Capacity(Btuh) @ 47 F:	42000
Region IV HSPF Rating (Heating):	8.50
Heating Capacity(Btuh) @ 17 F:	26400

* Ratings followed by an asterisk (*) indicate a voluntary rerate of previously published data, unless accompanied with a WAS, which indicates an involuntary rerate.

DISCLAIMER

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CERTIFICATE VERIFICATION

The information for the model cited on this certificate can be verified at www.ahridirectory.org, click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed at bottom right.



AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE

we make life better™

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CERTIFICATE NO.: 130546789185046062

U.S. Government

Federal law prohibits removal of this label before consumer purchase.

ENERGYGUIDE

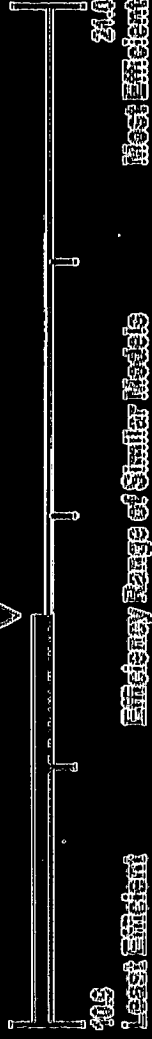
Heat Pump
Cooling and Heating
Split System

ENERG
Model 2458400000



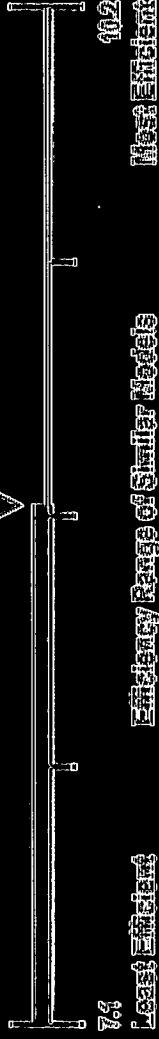
Seasonal Energy Efficiency Ratio

15.00



Heating Seasonal Performance Factor

8.70



- Efficiency range based only on split system units.
- This energy efficiency ratings is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating will vary slightly with different coils and in different geographic regions.

• For more information, visit www.ftc.gov/energy.



This combination qualifies for a Federal Energy Efficiency Tax Credit when placed in service between Feb 17, 2009 and Dec 31, 2013.

Certificate of Product Ratings

AHRI Certified Reference Number: 3632633 Date: 10/13/2014

Product: Split System: Air-Cooled Condensing Unit, Coil with Blower

Outdoor Unit Model Number: 116BNA024****A

Indoor Unit Model Number: FX4DNF025

Manufacturer: BRYANT HEATING AND COOLING SYSTEMS

Trade/Brand name: BRYANT HEATING AND COOLING SYSTEMS

Series name: LEGACY RNC 16 PURON AC

Manufacturer responsible for the rating of this system combination is BRYANT HEATING AND COOLING SYSTEMS

Rated as follows in accordance with AHRI Standard 210/240-2008 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (Btuh):	23400
EER Rating (Cooling):	13.00
SEER Rating (Cooling):	16.00
IEER Rating (Cooling):	

* Ratings followed by an asterisk (*) indicate a voluntary rerate of previously published data, unless accompanied with a WAS, which indicates an involuntary rerate.

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CERTIFICATE VERIFICATION

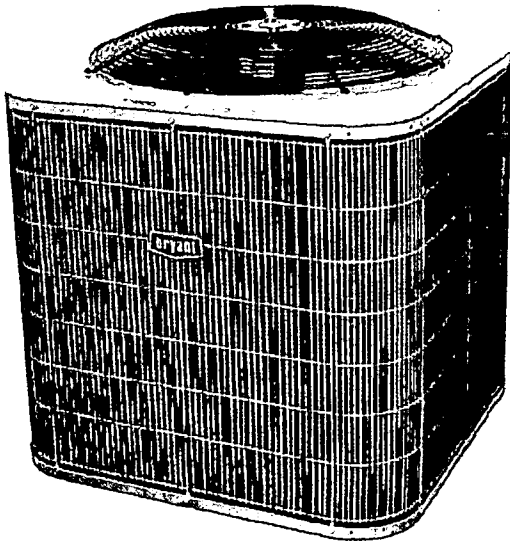
The information for the model cited on this certificate can be verified at www.ahridirectory.org. click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed at bottom right.



215B
Legacy™ Line Heat Pump
with Puron® Refrigerant
Size 1-1/2 - 5 Nominal Tons



Product Data



Bryant heat pumps with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 215B has been designed utilizing Bryant's Puron refrigerant. The environmentally sound refrigerant allows consumers to make a responsible decision in the protection of the earth's ozone layer.

This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. Refer to the combination ratings in the Product Data for system combinations that meet Energy Star® guidelines.

NOTE: Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory (www.ahridirectory.org) for the most up-to-date ratings information.

INDUSTRY LEADING FEATURES / BENEFITS

Efficiency

- 15 SEER/ 12.5 EER / 8.0 - 9.0 HSPF
- Microtube Technology™ refrigeration system
- Indoor air quality accessories available

Sound

- Sound level as low as 69 dBA
- Sound levels as low as 68 dBA with accessory sound blanket

Comfort

- System supports Edge® Thermidistat™ or standard thermostat controls

Reliability

- Puron® refrigerant - environmentally sound, won't deplete the ozone layer and low lifetime service cost.
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- High pressure switch
- Loss of charge switch
- Filter drier
- Balanced refrigeration system for maximum reliability

Durability

- DuraGuard Plus™ protection package:
- Solid, durable sheet metal construction
 - Dense wire coil guard standard
 - Baked-on powder paint

Applications

- Long-line - up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.38 m) evaporator above condenser (See Longline Guide for more information.)
- Low ambient cooling (down to -20°F/-28.9°C) with accessory kit

ELECTRICAL DATA

UNIT SIZE	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE†		MAX LENGTH ft (m)‡		MAX FUSE** or BRK AMPS
		MAX	MIN	LRA	RLA	FLA		60° C	75° C	60° C	75° C	
018-A	208/230/1	253	197	48.0	9.0	0.5	11.8	14	14	67 (20.4)	63 (19.2)	20
024-A				58.3	12.8	0.5	16.5	14	14	48 (14.6)	45 (13.7)	25
030-A				73.0	14.1	0.5	18.1	14	14	44 (13.4)	41 (12.5)	30
036-A				79.0	16.7	1.2	22.1	12	12	57 (17.4)	54 (16.5)	35
042-A				109.0	21.1	1.2	27.6	10	10	72 (21.9)	69 (21.0)	40
048-A				117.0	21.8	1.2	28.5	10	10	70 (21.3)	67 (20.4)	40
060-A				134.0	28.4	1.2	34.2	8	10	91 (27.7)	58 (17.1)	50

* Permissible limits of the voltage range at which the unit will operate satisfactorily

† If wire is applied at ambient greater than 30°C, consult table 310-16 of the NEC (NFPA 70). The ampacity of non-metallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C conditions, per the NEC (NFPA 70) Article 336-26. If other than uncoated (no-plated), 60 or 75°C insulation, copper wire (solid wire for 10 AWG or smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (NFPA 70).

‡ Length shown is as measured 1 way along wire path between unit and service panel for voltage drop not to exceed 2%.

** Time-Delay fuse.

FLA - Full Load Amps

LRA - Locked Rotor Amps

MCA - Minimum Circuit Amps

RLA - Rated Load Amps

NOTE: Control circuit is 24-V on all units and requires external power source. Copper wire must be used from service disconnect to unit.

All motors/compressors contain internal overload protection.

Complies with 2007 requirements of ASHRAE Standards 90.1

215B

A-WEIGHTED SOUND POWER (dBA)

UNIT SIZE	STANDARD RATING dBA	TYPICAL OCTAVE BAND SPECTRUM (dBA, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018-A	73	49.5	60.0	65.0	69.0	65.5	62.0	55.0
024-A	69	48.5	59.5	61.5	62.5	61.0	59.0	53.5
030-A	71	51.0	58.5	61.5	65.5	62.5	60.0	53.5
036-A	72	55.5	59.5	63.5	66.5	64.5	61.5	55.5
042-A	74	58.5	64.0	67.0	68.5	65.0	62.0	57.5
048-A	74	55.5	62.0	66.0	69.0	65.0	62.0	58.0
060-A	74	59.0	62.0	65.0	68.0	65.0	62.5	62.0

NOTE: Tested in accordance with AHRI Standard 270-08 (not listed in AHRI).

A-WEIGHTED SOUND POWER (dBA) WITH SOUND SHIELD

UNIT SIZE	STANDARD RATING dBA	TYPICAL OCTAVE BAND SPECTRUM (dBA, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018-A	72	50.5	60.0	65.0	67.5	64.5	61.5	53.5
024-A	68	49.5	58.5	61.5	62.0	61.0	58.5	51.5
030-A	69	50.5	58.5	61.5	64.0	61.5	58.5	51.5
036-A	70	54.5	57.5	63.0	66.0	64.0	61.0	54.0
042-A	72	56.5	64.5	66.5	66.5	64.5	61.0	54.5
048-A	72	55.5	62.5	66.0	68.0	64.0	60.0	53.0
060-A	73	58.5	62.5	65.0	67.0	64.0	61.0	56.5

NOTE: Tested in accordance with AHRI Standard 270-08 (not listed in AHRI).

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE - SERIES	REQUIRED SUBCOOLING °F (°C)
018-A	12 (6.7)
024-A	14 (7.8)
030-A	10 (5.6)
036-A	8 (4.4)
042-A	10 (5.6)
048-A	11 (6.1)
060-A	10 (5.6)

PHYSICAL DATA

UNIT SIZE SERIES	018-A	024-A	030-A	036-A	042-A	048-A	060-A
Operating Weight lb (kg)	169 (76.7)	200 (90.8)	196 (88.9)	215 (97.5)	245 (111.1)	260 (117.9)	294 (134.4)
Shipping Weight lb (kg)	207 (93.9)	233 (105.7)	242 (109.8)	257 (116.6)	290 (131.5)	303 (137.4)	345 (156.5)
Compressor Type	Scroll						
REFRIGERANT	Puron® (R-410A)						
Control	TXV (Puron Hard Shutoff)						
Charge lb (kg)	5.6 (2.54)	7.60 (3.45)	7.00 (3.18)	7.40 (3.34)	8.90 (4.04)	9.60 (4.35)	12.50 (5.67)
Outdoor Heating Piston #	42	46	52	61	61	67	76
COND FAN	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	2233	3223	3223	3810	3810	4046	4046
Motor HP	1/12	1/12	1/12	1/5	1/5	1/4	1/4
Motor RPM	800	800	800	800	800	800	800
COND COIL							
Face Area (Sq ft)	15.09	20.12	20.12	22.63	17.60	17.60	25.15
Fins per in.	20	20	20	20	20	20	20
Rows	1	1	1	1	2	2	2
Circuits	4	5	5	6	7	7	9
VALVE CONNECT. (In. ID)							
Vapor	5/8	5/8	3/4	3/4	7/8	7/8	7/8
Liquid	3/8"						
REFRIGERANT TUBES (In. OD)							
Rated Vapor*	5/8	5/8	3/4	3/4	7/8	7/8	1 1/8
Liquid	3/8						

*Units are rated with 25 ft (7.6 m) of lineset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset.
 Note: See unit Installation Instruction for proper installation.

VAPOR LINE SIZING AND COOLING CAPACITY LOSS

Acceptable vapor line diameters provide adequate oil return to the compressor while avoiding excessive capacity loss. The suction line diameters shown in the chart below are acceptable for HP systems with Puron refrigerant:

Vapor Line Sizing and Cooling Capacity Losses - Puron® Refrigerant 1- Stage Heat Pump Applications

Unit Nominal Size (Btuh)	Maximum Liquid Line Diameters (In. OD)	Vapor Line Diameters (In. OD)	Cooling Capacity Loss (%) Total Equivalent Line Length ft. (m)								
			Standard Application		Long Line Application Requires Accessories						
			26-60 (7.9-15.2)	61-80 (15.5-24.4)	81-100 (24.7-30.5)	101-125 (30.8-38.1)	126-150 (38.4-45.7)	151-175 (48.0-50.3)	176-200 (53.6-60.0)	201-225 (61.3-68.6)	226-250 (68.9-76.2)
18,000 1-Stage HP with Puron	3/8	1/2	1	2	3	4	6	7	8	9	10
		5/8	0	0	1	1	1	2	2	3	3
24,000 1-Stage HP with Puron	3/8	5/8	0	1	1	2	3	3	4	4	5
		3/4	0	0	0	0	1	1	1	1	1
30,000 1-Stage HP with Puron	3/8	5/8	1	2	3	3	4	5	5	7	8
		3/4	0	0	1	1	1	2	2	2	3
		7/8	0	0	0	0	1	1	1	1	1
36,000 1-Stage HP with Puron	3/8	5/8	1	2	4	5	6	7	8	10	11
		3/4	0	0	1	1	2	2	3	3	4
		7/8	0	0	0	0	1	1	1	1	2
42,000 1-Stage HP with Puron	3/8	3/4	0	1	2	2	3	4	4	5	6
		7/8	0	0	1	1	1	2	2	2	3
48,000 1-Stage HP with Puron	3/8	3/4	0	1	2	3	4	5	5	6	7
		7/8	0	0	1	1	2	2	2	3	3
60,000 1-Stage HP with Puron	3/8	3/4	1	2	4	5	6	7	9	10	11
		7/8	0	1	2	2	3	4	4	5	5
		1-1/8	0	0	0	1	1	1	1	1	1

Standard Length = 80 ft. (24.4 m) or less total equivalent length

Applications in this area are long line. Accessories are required, as shown recommended on Long Line Application Guidelines.
 Applications in this area may have height restrictions that limit allowable total equivalent length, when outdoor unit is below indoor unit. See Long Line Application Guidelines.

215B

PHYSICAL DATA

ORDERING NO.	NOMINAL COOLING CAPACITY (Btuh)	DIMENSIONS			SHIPPING WEIGHT
		Height	Width	Depth	
FB4CN(F,P)018(0,T,L)	18,000	42-11/16 in. 1084mm	14-5/16 in. 363mm	22-1/16 in. 560mm	112 lb 51 kg
FB4CN(F,P)024(0,T,L)	24,000	42-11/16 in. 1084mm	14-5/16 in. 363mm	22-1/16 in. 560mm	112 lb 51 kg
FB4CN(F,P)030(0,T,L)	30,000	49-5/8 in. 1260mm	17-5/8 in. 447mm	22-1/16 in. 560mm	122 lb 55 kg
FB4CN(F,P)036(0,T,L)	36,000	49-5/8 in. 1260mm	17-5/8 in. 447mm	22-1/16 in. 560mm	122 lb 55 kg
FB4CN(F,P)042(0,T,L)	42,000	49-5/8 in. 1260mm	21-1/8 in. 536mm	22-1/16 in. 560mm	157 lb 71 kg
FB4CN(F,P)048(0,T,L)	48,000	49-5/8 in. 1260mm	21-1/8 in. 536mm	22-1/16 in. 560mm	157 lb 71 kg
FB4CN(F,P)060(0,T,L)	60,000	53-7/16 in. 1357mm	21-1/8 in. 536mm	22-1/16 in. 560mm	175 lb 79 kg

SPECIFICATIONS



FB4C	18	24	30	36	42	48	60
EVAPORATOR COIL							
Face Area (sq. ft)	2.23		2.97		4.45		5.93
Configuration	Slope				A		
FB4CNF Metering Device (Teflon - ring piston) Puron Refrigerant	EA52PT052	EA52PT057	EA52PT067	EA52PT070	EA52PT076	EA52PT080	TXV (Copper and Tin models only)
FB4CNP Metering Device Puron Refrigerant	TXV	TXV	TXV	TXV	TXV	TXV	TXV (Aluminum models only)
FILTER*							
21-1/2-in (546 mm) X	13-in (330 mm)		16-3/8-in (417 mm)		19-7/8-in (505 mm)		
BLOWER ASSEMBLY							
Motor Type (ECM)	Multi-tap ECM						
Motor HP	1/3	1/3	1/3	1/2	1/2	3/4	3/4
CFM	600	800	1000	1200	1400	1600	1750

*Filter must be field-supplied for FB4C units.

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12	14
N	N	N	A	A/N	N	N	N	N	A/N	A/N	N	A
2	1	5	B	N	A	0	3	6	0	0	0	0
Product Family 2=HP	Tier 1= Legacy RNC	SEER 5=15 SEER	Major Series B=Puron	Voltage N= 208-230-1 or 208/230-1	Grille Variations A = Standard	Cooling Capacity			Open 0=Not Defined	Open 0=Not Defined	Open 0=Not Defined	Minor Series A = Original Series



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahrirdirectory.org.



ISO 9001
QMI-SAI Global



This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow all manufacturing refrigerant charging and air flow instructions. Failure to confirm proper charge and air flow may reduce energy efficiency and shorten equipment life.

215B

STANDARD FEATURES

Feature	018	024	030	036	042	048	060
Puron Refrigerant	X	X	X	X	X	X	X
Maximum SEER Rating*	15.3	15.3	15.3	15.3	15.0	15.0	15.0
Scroll Compressor	X	X	X	X	X	X	X
Field Installed Filter Drier	X	X	X	X	X	X	X
Front Seating Service Valves	X	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X	X
Long Line capability	X	X	X	X	X	X	X
Low Ambient cooling capability with Kit	X	X	X	X	X	X	X
Suction Line Accumulator	X	X	X	X	X	X	X
High Pressure Switch	X	X	X	X	X	X	X
Loss of Charge Switch	X	X	X	X	X	X	X
Dense Grille	X	X	X	X	X	X	X

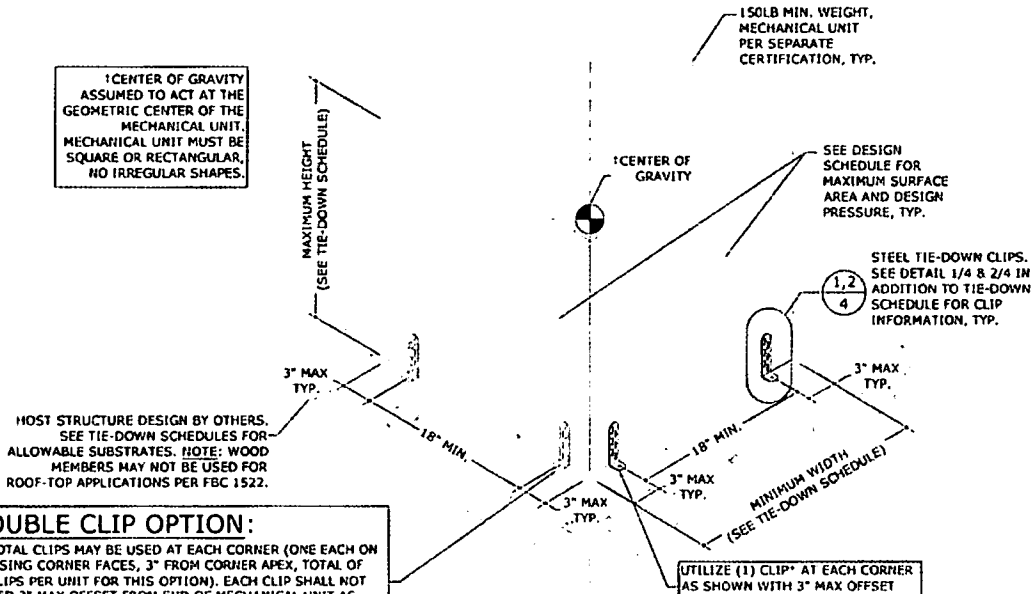
X = Standard

* = Based on tested combination

BMP INTERNATIONAL, INC.

MECHANICAL UNIT STEEL TIE-DOWN CLIP CAPACITIES: AT GRADE & ROOF-TOP MOUNTED APPLICATIONS

1 CENTER OF GRAVITY ASSUMED TO ACT AT THE GEOMETRIC CENTER OF THE MECHANICAL UNIT. MECHANICAL UNIT MUST BE SQUARE OR RECTANGULAR, NO IRREGULAR SHAPES.



HOST STRUCTURE DESIGN BY OTHERS. SEE TIE-DOWN SCHEDULES FOR ALLOWABLE SUBSTRATES. NOTE: WOOD MEMBERS MAY NOT BE USED FOR ROOF-TOP APPLICATIONS PER FBC 1522.

DOUBLE CLIP OPTION:

(2) TOTAL CLIPS MAY BE USED AT EACH CORNER (ONE EACH ON OPPOSING CORNER FACES, 3" FROM CORNER APEX, TOTAL OF (8) CLIPS PER UNIT FOR THIS OPTION). EACH CLIP SHALL NOT EXCEED 3" MAX OFFSET FROM END OF MECHANICAL UNIT AS DETAILED HEREIN. DO NOT SPACE CONCRETE ANCHORS CLOSER THAN THE ALLOWED SPACING LISTED IN THE TIE-DOWN ANCHOR SCHEDULES. SEE SHEETS 283 FOR MORE INFORMATION.

1
1 MECHANICAL UNIT TIE-DOWN ISOMETRIC
1" = 1'-0" ISOMETRIC

*FOR CLARITY, THIS ISOMETRIC ONLY SHOWS 3" CLIPS. THE ISOMETRIC LAYOUT IS TYPICAL FOR BOTH 1" AND 2" CLIP APPLICATIONS.

BMP INTERNATIONAL, INC. 11111 GULF BLDG 0001 AC Unit Tie-down Clips - Plates Structures Attachment 1 (BMP 000) - Cals 1-08-08m Cals (FSA) 0mg

TIE-DOWN CLIP DIRECTIVE EXAMPLE

(THE FOLLOWING EXAMPLE ILLUSTRATES THE PROCEDURE USED TO DETERMINE THE MAXIMUM ALLOWABLE WIND PRESSURE FOR ANY GIVEN MECHANICAL UNIT THAT CONFORMS TO THE DIMENSION RESTRICTIONS LISTED HEREIN. SEE SHEETS 283 FOR TIE-DOWN SCHEDULES.)

MECHANICAL UNIT CRITERIA:
CONSIDER THE INSTALLATION OF (1) MECHANICAL UNIT WITH THE FOLLOWING CRITERIA:
36" TALL x 36" DEEP x 24" WIDE, 150 LB WEIGHT AS VERIFIED BY OTHERS, INSTALLED TO 3192 KSI MIN. CONCRETE AT GRADE AS VERIFIED BY OTHERS.

PROCEDURE:

PROCEDURE STEP	RESULT
1 LOCATE THE AT GRADE TIE-DOWN SCHEDULE ON SHEET 2 AND SELECT CLIP TYPE	CONSIDER 1" STEEL CLIP
2 DETERMINE LARGEST FACE AREA OF MECHANICAL UNIT TO BE INSTALLED	36" x 36" = 9FT ²
3 CHECK MAXIMUM UNIT HEIGHT RESTRICTION	UNIT HEIGHT IS 36" WHICH IS LESS THAN THE MAXIMUM ALLOWABLE HEIGHT OF 48"
4 CHECK MINIMUM UNIT WIDTH RESTRICTION	UNIT WIDTH IS 24" WHICH IS EQUIVALENT TO THE MINIMUM ALLOWABLE WIDTH OF 24"
5 DETERMINE THE NUMBER OF CLIPS TO BE USED AT EACH CORNER OF THE MECHANICAL UNIT	CONSIDER (1) CLIP AT EACH CORNER, INSTALLED TO CONCRETE SUBSTRATE

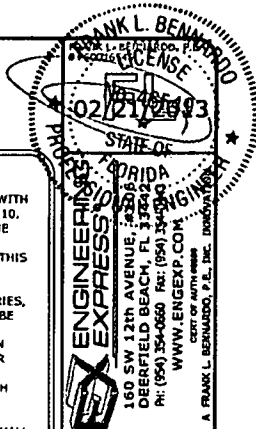
CONCLUSION: MAXIMUM ALLOWABLE LATERAL DESIGN PRESSURE = **40PSF**
(COMPARE THIS VALUE TO THE SEPARATE SITE SPECIFIC REQUIRED DESIGN WIND PRESSURE PROVIDED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT; NOT INCLUDED IN THIS CERTIFICATION)

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2010 FLORIDA BUILDING CODE FOR USE WITH ASCE 7-10. THIS PRODUCT MAY BE USED WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
- DESIGN IS BASED ON CLIENT PROVIDED PRODUCT AND DIE SHEETS FROM TEST REPORTS #TEL 01920387A, #TEL 01920387B, BY TESTING EVALUATION LABORATORIES, INC. NO SUBSTITUTIONS WITHOUT WRITTEN APPROVAL BY THIS ENGINEER SHALL BE PERMITTED.
- ALLOWABLE DESIGN PRESSURES TO QUALIFY CAPACITY OF CLIPS AS LISTED HEREIN ARE DETERMINED THROUGH TESTING REPORT DATA AND RATIONALLY CHECKED FOR CONSISTENCY WITH EACH TEST PERFORMED.
- REQUIRED LATERAL AND/OR UPLIFT DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A SITE-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
- MAXIMUM & MINIMUM DIMENSIONS AND MINIMUM WEIGHT OF MECHANICAL UNIT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- FASTENERS TO BE #12 X 1/2" OR GREATER SAE GRADE 5 UNLESS NOTED OTHERWISE. TAPCONS REFERRED TO HEREIN SHALL BE ITW BULDEX BRAND, CARBON STEEL ONLY, INSTALLED TO 3192 KSI MIN CONCRETE. SEE ANCHOR SCHEDULE FOR ANCHOR REQUIREMENTS. ALL FASTENERS SHALL HAVE APPROPRIATE CORROSION PROTECTION TO PREVENT ELECTROLYSIS.
- ALL STEEL CLIPS SHALL BE ASTM A283 STEEL (GRADE D) WITH $F_y = 33$ KSI OR BETTER. ALL STEEL MEMBERS SHALL BE PROTECTED AGAINST CORROSION WITH AN APPROVED COAT OF PAINT, ENAMEL OR OTHER APPROVED PROTECTION IN ACCORDANCE WITH THE 2010 FBC SECTIONS 2203.2 AND 2220. G90-RATED COATING REQUIRED FOR ALL COASTAL INSTALLATIONS.
- ALL CONCRETE SPECIFIED HEREIN IS NOT PART OF THIS CERTIFICATION. AS A MINIMUM, ALL CONCRETE SHALL BE STRUCTURAL CONCRETE 4" MIN. THICK AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3192 PSI, UNLESS NOTED OTHERWISE.
- ALL WOOD MEMBERS SHALL BE PRESSURE TREATED SOUTHERN YELLOW PINE GRADE #2 WITH SPECIFIC GRAVITY $G = 0.55$ OR GREATER. DIRECT CONNECTION TO WOOD MEMBERS/SLEEPERS IS NOT PERMITTED FOR ROOF-TOP APPLICATIONS PER FBC SECTION 1522.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS, I.E. ALUMINUM PER F.B.C. 2003.8.4.
- ELECTRICAL GROUNDING, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
- THE ADEQUACY OF ANY EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS SHALL BE VERIFIED BY THE ON-SITE DESIGN PROFESSIONAL AND IS NOT INCLUDED IN THIS CERTIFICATION. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- WATER-TIGHTNESS OF EXISTING HOST SUBSTRATE SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR. CONTRACTOR SHALL ENSURE THAT ANY REMOVED OR ALTERED WATERPROOFING MEMBRANE IS RESTORED AFTER FABRICATION AND INSTALLATION OF STRUCTURE PROPOSED HEREIN. THIS ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY WATERPROOFING OR LEAKAGE ISSUES WHICH MAY OCCUR AS WATER-TIGHTNESS SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR.

DESIGN PRESSURE EXAMPLE SCENARIO

SEE SHEET 4 FOR A SITE-SPECIFIC DESIGN PRESSURE EXAMPLE & ACCOMPANYING UNIT CONFIGURATIONS WITH TIE-DOWN CLIP REQUIREMENTS.



BMP INTERNATIONAL, INC.
4710 28TH STREET NORTH
ST. PETERSBURG, FL 33741
PH: (727) 577-1613

MECHANICAL UNIT STEEL TIE-DOWN CLIPS
FLORIDA STATEWIDE APPROVAL

REVISIONS	DATE
ISSUED FOR PERMITS	02-15-11
REVISED	02-15-11
REVISED	02-15-11
REVISED	02-15-11

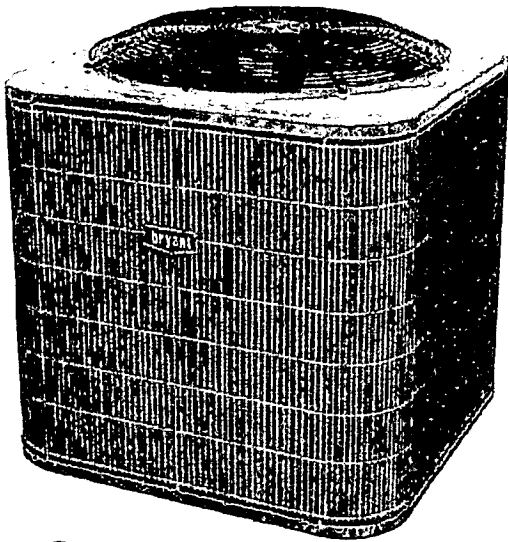
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116B

Legacy™ Line 16 Air Conditioner
with Puron® Refrigerant
1-1/2 to 5 Nominal Tons



Product Data



Bryant's Air Conditioners with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 116B has been designed utilizing Bryant's Puron refrigerant. The environmentally sound refrigerant allows you to make a responsible decision in the protection of the earth's ozone layer.

This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. Refer to the combination ratings in the Product Data for system combinations that meet Energy Star® guidelines.

NOTE: Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory (www.ahridirectory.org) for the most up-to-date ratings information.

INDUSTRY LEADING FEATURES / BENEFITS

Efficiency

- 14 - 16.5 SEER/11.0- 13.5 EER
- Microtube Technology™ refrigeration system
- Indoor air quality accessories available

Sound

- Sound level as low as 76 dBA
- Sound level as low as 74 dBA with accessory sound blanket

Comfort

- System supports Edge® Thermidistat™ or standard thermostat controls

Reliability

- Puron® refrigerant - environmentally sound, won't deplete the ozone layer and low lifetime service cost.
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- Filter drier
- Balanced refrigeration system for maximum reliability

Durability

DuraGuard™ protection package:

- Solid, durable sheet metal construction
- Dense wire coil guard standard
- Baked-on, complete outer coverage, powder paint

Applications

- Long-line - up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.38 m) evaporator above condenser (See Longline Guide for more information.)
- Low ambient (down to -20°F/-28.9°C) with accessory kit

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12	14
N	N	N	A	A/N	N	N	N	N	A/N	A/N	N	A
1	1	6	B	N	A	0	3	6	0	0	0	0
Product Family	Tier	SEER	Major Series	Voltage	Grille Variations	Cooling Capacity			Open	Open	Open	Series
1=AC	1 = Legacy RNC	6=16 SEER	B=Puron	N= 208-230-1 or 208/230-1	A = Dense				0=Not Defined	0=Not Defined	0=Not Defined	



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow all manufacturing refrigerant charging and air flow instructions. Failure to confirm proper charge and air flow may reduce energy efficiency and shorten equipment life.

STANDARD FEATURES

Feature	018	024	030	036	042	048 / 049	060 / 061
Puron Refrigerant	X	X	X	X	X	X	X
Maximum SEER *	16.0	16.0	16.5	16.5	16.0	16.0	16.0
Scroll Compressor	X	X	X	X	X	X	X
Field Installed Filter Drier	X	X	X	X	X	X	X
Front Seating Service Valves	X	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X	X
Long Line capability	X	X	X	X	X	X	X
Low Ambient capability with Kit	X	X	X	X	X	X	X
Dense Grille	X	X	X	X	X	X	X

* With approved combinations
X = Standard

PHYSICAL DATA

UNIT SIZE - VOLTAGE, SERIES	018-B	024-A	030-A	036-A	042-A	048-B	049-A	060-A	061-A	
Operating Weight lb (kg)	125 (56.7)	147 (66.5)	153 (69.3)	165 (74.8)	213 (96.4)	264 (119.7)	231 (104.8)	272 (123.4)	272 (123.4)	
Shipping Weight lb (kg)	154 (69.9)	183 (82.8)	188 (85.2)	204 (92.5)	254 (115.2)	317 (143.8)	269 (122.0)	310 (140.6)	310 (140.6)	
Compressor Type	Scroll									
REFRIGERANT	Puron® (R-410A)									
Control	TXV (Puron® Hard Shutoff)									
Charge lb (kg)	4.60 (2.09)	6.00 (2.72)	6.81 (3.09)	7.00 (3.18)	8.62 (3.91)	13.0 (5.90)	9.00 (4.08)	14.50 (6.58)	14.50 (6.58)	
COND FAN	Propeller Type, Direct Drive									
Air Discharge	Vertical								Vertical	
Air Qty (CFM)	1881	2614	2614	3223	3810	4046	4046	4046	4046	
Motor HP	1/12	1/10	1/10	1/12	1/5	1/4	1/4	1/4	1/4	
Motor RPM	1100	1100	1100	800	800	800	800	800	800	
COND COIL										
Face Area (Sq ft)	11.50	15.10	17.20	17.60	25.15	25.15	25.15	30.15	30.15	
Fins per In.	25	25	25	25	25	20	20	20	20	
Rows	1	1	1	1	1	2	1	2	2	
Circuits	3	4	4	4	6	7	7	8	8	
VALVE CONNECT. (In. ID)										
Vapor	3/4	3/4	3/4	7/8	7/8	7/8	7/8	7/8	7/8	
Liquid	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	
REFRIGERANT TUBES (In. OD)										
Rated Vapor†	3/4			7/8			1-1/8			
Max Liquid Line †						3/8				

* Units are rated with 25 ft (7.6 m) of lineset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset.
Note: See unit Installation Instruction for proper installation.

† See Liquid Line Sizing For Cooling Only Systems with Puron Refrigerant tables.

REFRIGERANT PIPING LENGTH LIMITATIONS

Liquid Line Sizing and Maximum Total Equivalent Lengths† for Cooling Only Systems with Puron® Refrigerant:

The maximum allowable length of a residential split system depends on the liquid line diameter and vertical separation between indoor and outdoor units.

See Table below for liquid line sizing and maximum lengths :

**Maximum Total Equivalent Length
Outdoor Unit BELOW Indoor Unit**

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with Puron Refrigerant Maximum Total Equivalent Length†: Outdoor unit BELOW Indoor								
			Vertical Separation ft (m)								
			0-5 (0-1.5)	6-10 (1.8-3.0)	11-20 (3.4-6.1)	21-30 (6.4-9.1)	31-40 (9.4-12.2)	41-50 (12.5-15.2)	51-60 (15.5-18.3)	61-70 (18.6-21.3)	71-80 (21.6-24.4)
18000 AC with Puron	3/8	1/4	150	150	125	100	100	75	--	--	--
		5/16	250*	250*	250*	250*	250*	250*	250*	225*	150
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
24000 AC with Puron	3/8	1/4	75	75	75	50	50	--	--	--	--
		5/16	250*	250*	250*	250*	250*	225*	175	125	100
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
30000 AC with Puron	3/8	1/4	30	--	--	--	--	--	--	--	--
		5/16	175	225*	200	175	125	100	75	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
36000 AC with Puron	3/8	5/16	175	150	150	100	100	100	75	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
42000 AC with Puron	3/8	5/16	125	100	100	75	75	50	--	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	150
48000 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	230	160	--
49000 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	230	160	--
60000 AC with Puron	3/8	3/8	250*	250*	250*	225*	190	150	110	--	--
61000 AC with Puron	3/8	3/8	250*	250*	250*	225*	190	150	110	--	--

* Maximum actual length not to exceed 200 ft (61 m)

† Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

-- = outside acceptable range

**Maximum Total Equivalent Length
Outdoor Unit ABOVE Indoor Unit**

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with Puron Refrigerant Maximum Total Equivalent Length†: Outdoor unit ABOVE Indoor							
			Vertical Separation ft (m)							
			25 (7.6)	26-50 (7.9-15.2)	51-75 (15.6-22.8)	76-100 (23.2-30.5)	101-125 (30.8-38.1)	126-150 (38.4-45.7)	151-175 (46.0-53.3)	176-200 (53.6-61.0)
18000 AC with Puron	3/8	1/4	175	250*	250*	250*	250*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
24000 AC with Puron	3/8	1/4	100	125	175	200	225*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
30000 AC with Puron	3/8	1/4	30	--	--	--	--	--	--	--
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
36000 AC with Puron	3/8	5/16	225*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
42000 AC with Puron	3/8	5/16	175	200	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
48000 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*
49000 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*
60000 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*
61000 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*

* Maximum actual length not to exceed 200 ft (61 m)

† Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

-- = outside acceptable range

116B

ELECTRICAL DATA

UNIT SIZE	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE† 60° C	MIN WIRE SIZE† 75° C	MAX LENGTH ft. (m)‡ 60° C	MAX LENGTH ft. (m)‡ 75° C	MAX FUSE** or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA						
018-B	208/230/1-60	253	197	48.0	9.0	0.50	11.8	14	14	67 (20.4)	64 (19.5)	20
024-A				58.3	13.5	0.75	17.7	14	14	46 (14.0)	43 (13.1)	25
030-A				64.0	12.8	0.75	16.8	14	14	44 (13.4)	41 (12.5)	25
036-A				77.0	14.1	0.50	18.1	12	12	57 (17.4)	54 (16.5)	30
042-A				112.0	17.9	1.20	23.6	10	10	85 (25.9)	81 (24.7)	40
048-B				109.0	19.9	1.20	26.1	10	10	70 (21.3)	67 (20.4)	40
049-A				117.0	21.8	1.20	26.1	10	10	70 (21.3)	67 (20.4)	40
060-A				135.0	21.4	1.20	28.0	8	10	91 (27.7)	56 (17.1)	40
061-A				134.0	25.0	1.20	32.5	8	10	94 (28.7)	58 (17.7)	50

* Permissible limits of the voltage range at which the unit will operate satisfactorily

† If wire is applied at ambient greater than 30°C, consult table 310-16 of the NEC (NFPA 70). The ampacity of non-metallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C conditions, per the NEC (NFPA 70) Article 334-80. If other than uncoated (no-plated), 60 or 75°C insulation, copper wire (solid wire for 10 AWG or smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (NFPA 70).

‡ Length shown is as measured one way along wire path between unit and service panel for voltage drop not to exceed 2%.

** Time-Delay fuse.

FLA - Full Load Amps

LRA - Locked Rotor Amps

MCA - Minimum Circuit Amps

RLA - Rated Load Amps

NOTE: Control circuit is 24-V on all units and requires external power source. Copper wire must be used from service disconnect to unit.

All motors/compressors contain internal overload protection.

Complies with 2007 requirements of ASHRAE Standards 90.1

116B

A-WEIGHTED SOUND POWER LEVEL (dBA)

Unit Size - Voltage, Series	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA without tone adjustment)						
		125	250	500	1000	2000	4000	8000
0018-B	76	52.5	59.0	65.5	70.5	64.5	59.0	54.5
0024-A	76	57.5	64.0	69.0	71.0	69.0	64.5	60.0
0030-A	76	55.0	63.5	68.0	69.5	67.0	63.5	58.5
0036-A	76	50.5	59.5	64.5	70.5	62.0	59.5	54.5
0042-A	78	52.5	62.0	66.0	73.5	68.0	62.0	55.5
0048-B	78	57.5	61.5	66.0	70.5	65.5	59.5	53.5
0049-A	78	51.5	62.0	67.5	73.5	69.0	64.5	62.0
0060-A	78	55.0	62.5	67.5	70.5	65.0	61.0	53.5
0061-A	78	56.5	63.0	65.5	69.0	67.0	61.5	56.0

NOTE: Tested in accordance with AHRI Standard 270-08 (not listed in AHRI).

A-WEIGHTED SOUND POWER LEVEL (dBA) WITH SOUND SHIELD

Unit Size - Voltage, Series	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA without tone adjustment)						
		125	250	500	1000	2000	4000	8000
0018-B	74	55.5	59.0	65.0	68.5	63.5	58.0	52.0
0024-A	75	58.0	64.0	69.0	70.5	68.5	64.5	59.5
0030-A	75	55.5	63.0	68.0	69.0	67.0	63.0	58.5
0036-A	74	51.5	58.5	62.0	65.0	61.0	58.0	52.0
0042-A	76	53.0	62.0	65.5	72.0	65.0	61.0	54.0
0048-B	76	58.5	61.5	66.0	69.0	64.0	58.5	51.0
0049-A	76	53.0	61.5	67.5	72.0	68.0	61.5	59.0
0060-A	75	56.5	62.5	66.5	68.0	63.0	59.5	51.5
0061-A	75	57.0	63.0	65.5	67.0	65.5	59.0	52.5

NOTE: Tested in accordance with AHRI Standard 270-08 (not listed in AHRI).

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE - VOLTAGE, SERIES	REQUIRED SUBCOOLING °F (°C)
018-B	10 (5.6)
024-A	10 (5.6)
030-A	10 (5.6)
036-A	10 (5.6)
042-A	10 (5.6)
048-B	9 (5.0)
049-A	10 (5.6)
060-A	8 (4.4)
061-A	9 (5.0)

CONDENSER ONLY RATINGS

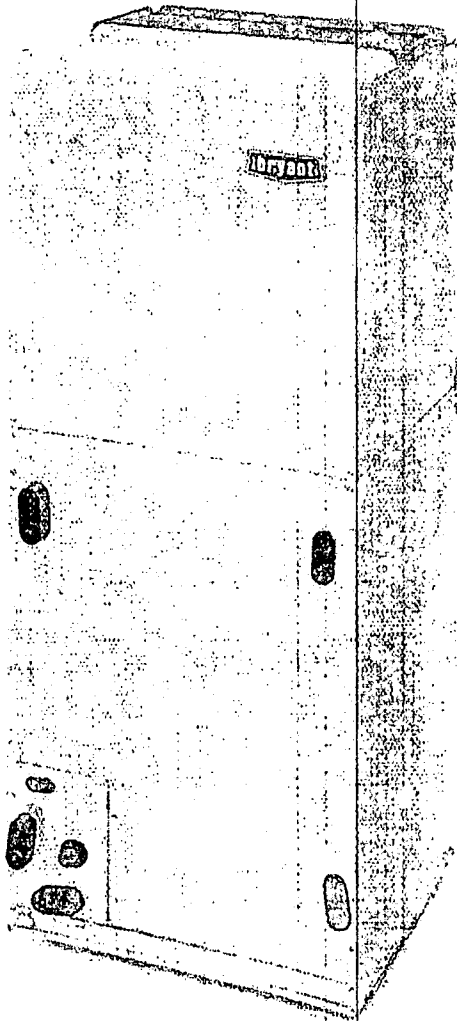
SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)							
		55 (12.78)	65 (18.33)	75 (23.89)	85 (29.44)	95 (35.0)	105 (40.56)	115 (46.11)	125 (51.67)
116BNA018***E									
30 (-1.11)	TCG	15.70	14.90	14.10	13.20	12.30	11.30	10.20	9.20
	SDT	66.60	76.20	85.80	95.30	104.80	114.30	123.70	133.10
	KW	0.75	0.87	0.99	1.12	1.26	1.41	1.60	1.81
35 (1.67)	TCG	17.50	16.60	15.70	14.70	13.70	12.60	11.50	10.30
	SDT	67.80	77.30	86.80	96.30	105.70	115.10	124.40	133.80
	KW	0.75	0.87	0.99	1.12	1.26	1.42	1.60	1.81
40 (4.44)	TCG	19.40	18.40	17.40	16.30	15.20	14.00	12.80	11.50
	SDT	69.00	78.50	87.90	97.30	106.60	115.90	125.20	134.50
	KW	0.74	0.87	0.99	1.12	1.26	1.42	1.60	1.81
45 (7.22)	TCG	21.50	20.30	19.20	18.00	16.70	15.50	14.10	12.80
	SDT	70.40	79.70	89.00	98.30	107.60	116.90	126.10	135.30
	KW	0.74	0.86	0.99	1.13	1.27	1.43	1.61	1.82
50 (10.0)	TCG	23.60	22.40	21.10	19.70	18.40	17.00	15.60	14.10
	SDT	71.60	80.90	90.10	99.40	108.60	117.80	127.00	136.20
	KW	0.73	0.86	1.00	1.13	1.28	1.44	1.62	1.82
55 (12.78)	TCG	25.90	24.50	23.10	21.60	20.10	18.60	17.10	15.50
	SDT	73.00	82.10	91.30	100.50	109.70	118.80	128.00	137.10
	KW	0.73	0.86	1.00	1.14	1.29	1.45	1.63	1.84
116BNA024***A									
30 (-1.11)	TCG	20.30	19.40	18.30	17.20	16.10	14.80	13.60	12.20
	SDT	66.10	75.80	85.30	94.80	104.40	114.00	123.40	132.80
	KW	1.00	1.15	1.30	1.47	1.65	1.85	2.09	2.36
35 (1.67)	TCG	22.60	21.40	20.30	19.10	17.80	16.50	15.10	13.60
	SDT	67.20	76.80	86.30	95.80	105.30	114.70	124.10	133.50
	KW	0.99	1.14	1.30	1.47	1.65	1.86	2.09	2.36
40 (4.44)	TCG	24.90	23.70	22.40	21.00	19.60	18.20	16.70	15.10
	SDT	68.40	77.90	87.30	96.70	106.10	115.50	124.80	134.10
	KW	0.98	1.14	1.30	1.47	1.66	1.86	2.09	2.36
45 (7.22)	TCG	27.40	26.00	24.60	23.10	21.60	20.10	18.40	16.70
	SDT	69.60	79.00	88.30	97.70	107.00	116.30	125.60	134.90
	KW	0.97	1.14	1.30	1.48	1.66	1.87	2.10	2.37
50 (10.0)	TCG	30.10	28.60	27.00	25.40	23.70	22.00	20.20	18.40
	SDT	70.80	80.10	89.40	98.70	107.90	117.20	126.40	135.60
	KW	0.96	1.13	1.30	1.48	1.67	1.88	2.11	2.37
55 (12.78)	TCG	33.00	31.30	29.50	27.70	25.90	24.10	22.10	20.20
	SDT	72.10	81.30	90.50	99.70	108.90	118.10	127.30	136.40
	KW	0.95	1.13	1.31	1.49	1.68	1.89	2.12	2.39
116BNA030***A									
30 (-1.11)	TCG	24.90	23.50	22.20	20.80	19.40	17.90	16.20	14.40
	SDT	68.10	77.50	87.00	96.40	105.80	115.10	124.40	133.60
	KW	1.27	1.43	1.60	1.78	1.99	2.23	2.50	2.81
35 (1.67)	TCG	27.50	26.00	24.50	23.10	21.50	19.90	18.10	16.20
	SDT	69.40	78.70	88.10	97.40	106.70	116.00	125.30	134.40
	KW	1.28	1.44	1.61	1.79	2.00	2.24	2.51	2.82
40 (4.44)	TCG	30.30	28.60	27.10	25.50	23.80	22.00	20.10	18.10
	SDT	70.70	79.90	89.20	98.50	107.70	117.00	126.20	135.30
	KW	1.29	1.44	1.61	1.80	2.01	2.25	2.52	2.83
45 (7.22)	TCG	33.30	31.50	29.80	28.00	26.20	24.30	22.30	20.10
	SDT	72.00	81.20	90.40	99.60	108.80	118.00	127.20	136.30
	KW	1.29	1.44	1.61	1.80	2.01	2.26	2.53	2.85
50 (10.0)	TCG	36.50	34.50	32.60	30.70	28.80	26.70	24.50	22.20
	SDT	73.50	82.50	91.70	100.80	110.00	119.20	128.20	137.20
	KW	1.29	1.44	1.61	1.80	2.02	2.26	2.54	2.86
55 (12.78)	TCG	39.90	37.80	35.70	33.60	31.50	29.30	26.90	24.40
	SDT	75.00	84.00	93.00	102.10	111.20	120.30	129.30	138.20
	KW	1.29	1.44	1.61	1.80	2.02	2.27	2.54	2.86

See notes on page 20

**FX4D
LEGACY™ LINE FAN COIL
SIZES 019 THRU 061**



Product Data



AIR HANDLER TECHNOLOGY AT ITS FINEST

The FX4D fan coils combine the proven technology of Bryant fan coil units with Puron®, the environmentally sound refrigerant. These fan coils are loaded with popular features. Factory-installed, refrigerant-specific thermostatic expansion valves (TXV) are standard with these fan coil designs. The designs feature contoured condensate pans with rugged, drain connections, ensuring that little water is left in the unit at the end of the cooling duty cycle. The lack of standing condensate and corrosion free pans improves IAQ and product life, features homeowners appreciate.

Standard features include grooved copper tubing and louvered aluminum fins. The large face areas of the refrigerant coils provide superior efficiency for high SEER and HSPF performance. Coil circuiting has also been updated to make the most of all Bryant heat pumps and air conditioners. Also units come with solid state fan controls, 1-in (25mm) thick insulation with R-value of 4.2, multi-speed motors, and fully-wettable coils. Units can accommodate factory- and/or field-installed heaters from 3 to 30 kW.

It also should be noted that the unique cabinet design of these fan coils meet new stringent regulations for cabinet air leakage - a requirement of 2% cabinet leakage rate when tested at 1.0 inches of static pressure.

The FX4D fan coil is the Puron® refrigeration design loaded with popular features. It comes in a pre-painted (taupe metallic) galvanized steel casing and is shipped with a cleanable, permanent framed filter, and a factory-supplied power plug. DuraCoat™ provides a tin plating of the indoor coil's copper hairpins. This creates a barrier between the corrosion-causing elements and the coil. These fan coils utilize the latest in electronic commutation motor (ECM) technology through the use of high efficiency, multi-tap ECM motors.

A10080

PHYSICAL DATA

ODS CATALOG ORDERING NO.	FACTORY INSTALLED HEAT (kW)	NOMINAL COOLING CAPACITY (Btuh)	DIMENSIONS			SHIPPING WEIGHT
			Height	Width	Depth	
FX4DNF019(0,T,L)00	-	18,000	49 5/8-in 1261mm	17 5/8-in 447mm	22-1/16-in 560mm	122 lb 55 kg
FX4DNF019(0,L)05	5					
FX4DNF025(0,T,L)00	-	24,000	49 5/8-in 1261mm	17 5/8-in 447mm	22-1/16-in 560mm	122 lb 55 kg
FX4DNF025(0,L)05	5					
FX4DNF031(0,T,L)00	-	30,000	53 7/16-in 1357mm	21 1/8-in 536mm	22-1/16-in 560mm	146 lb 66 kg
FX4DNF031(0,L)08	8					
FX4DNF037(0,T,L)00	-	36,000	49 5/8-in 1261mm	21 1/8-in 536mm	22-1/16-in 560mm	157 lb 71 kg
FX4DNF037(0,L)10	10					
FX4DNF043(0,T,L)00	-	42,000	49 5/8-in 1260mm	21 1/8-in 536mm	22-1/16-in 560mm	157 lb 71 kg
FX4DNF043(0,L)10	10					
FX4DNF049(0,T,L)00	-	48,000	53 7/16-in 1357mm	24 11/16-in 627mm	22-1/16-in 560mm	185 lb 84 kg
FX4DNF049(0,L)10	10					
FX4DNF061(0,T,L)00	-	60,000	59 3/16-in 1503mm	24 11/16-in 627mm	22-1/16-in 560mm	201 lb 91 kg
FX4DNF061(0,L)10	10					
FX4DNF061(0,L)15	15					
FX4DNB031(T,L)00	-	30,000	53 7/16-in 1357mm	21 1/8-in 536mm	22-1/16-in 560mm	146 lb 66 kg
FX4DNB037(T,L)00	-	36,000	53 7/16-in 1357mm	21 1/8-in 536mm	22-1/16-in 560mm	175 lb 79kg
FX4DNB043(T,L)00	-	42,000	53 7/16-in 1357mm	21 1/8-in 536mm	22-1/16-in 560mm	175 lb 79kg
FX4DNB049(T,L)00	-	48,000	53 7/16-in 1357mm	24 11/16-in 627mm	22-1/16-in 560mm	185 lb 84 kg
FX4DNB061(T,L)00	-	60,000	59 3/16-in 1503mm	24 11/16-in 627mm	22-1/16-in 560mm	201 lb 91 kg

6th digit: B - Modular cabinet, F - Single piece cabinet
10th digit: 0 - Copper coil, T - Tin-Plate, L - Aluminum


SPECIFICATIONS

MODEL FX4D	019	025	031	037	043	049	061
COIL							
Puron® Refrigerant Metering Device	TXV - factory installed hard-shutoff, bi-flow type for heat pump application						
TXV	2 ton		3 ton			4 ton	
Rows/Fins Per In.	3 / 14.5						
Face Area (Sq. Ft.)	2.97		3.46		4.45	5.93	7.42
Configuration	Slope			A			
FAN							
CFM (Nominal)	600	800	1000	1200	1400	1600	2000
Motor Type (ECM)	Multi-tap ECM						
Motor Hp	1/3	1/3	1/2	1/2	1/2	3/4	3/4
FILTER							
21-1/2-in / 546 mm X	16-3/8-in / 417 mm		19-7/8-in / 505 mm			23-5/16-in / 585 mm	
CABINET CONFIGURATION OPTIONS							
	1-pc			1-pc / Modular			

PERFORMANCE DATA

AIRFLOW PERFORMANCE (CFM)

MODEL & SIZE	BLOWER SPEED	0.10	0.20	0.30	0.40	0.50	0.60
FX4D 019	Tap 5	776	745	696	660	609	572
	Tap 4	683	644	589	548	494	461
	Tap 3	683	644	589	548	494	461
	Tap 2	631	563	500	443	409	361
	Tap 1	625	524	457	417	367	319
FX4D 025	Tap 5	956	920	891	851	816	780
	Tap 4	825	795	757	722	674	634
	Tap 3	825	795	757	722	674	634
	Tap 2	726	695	635	598	543	509
	Tap 1	631	563	500	443	409	361
FX4D 031	Tap 5	1189	1151	1104	1050	1003	959
	Tap 4	1041	998	944	886	837	772
	Tap 3	1041	998	944	886	837	772
	Tap 2	924	876	817	752	704	660
	Tap 1	779	693	628	571	526	476
FX4D 037	Tap 5	1363	1332	1294	1253	1207	1157
	Tap 4	1237	1206	1160	1121	1070	1013
	Tap 3	1237	1206	1160	1121	1070	1013
	Tap 2	1095	1058	1007	951	888	824
	Tap 1	1014	885	773	673	609	549
FX4D 043	Tap 5	1519	1490	1454	1419	1379	1332
	Tap 4	1437	1403	1366	1333	1294	1245
	Tap 3	1437	1403	1366	1333	1294	1245
	Tap 2	1257	1226	1191	1141	1090	1033
	Tap 1	1237	1206	1160	1121	1070	1013
FX4D 049	Tap 5	1757	1725	1693	1653	1614	1576
	Tap 4	1664	1626	1593	1552	1517	1477
	Tap 3	1664	1626	1593	1552	1517	1477
	Tap 2	1459	1420	1379	1336	1298	1259
	Tap 1	1301	1241	1195	1150	1102	1039
FX4D 061	Tap 5	2030	1995	1961	1927	1888	1842
	Tap 4	1811	1775	1740	1703	1664	1613
	Tap 3	1811	1775	1740	1703	1664	1613
	Tap 2	1665	1632	1593	1556	1507	1453
	Tap 1	1462	1418	1371	1327	1278	1228

 - Airflow above 450 cfm/ton.

NOTES:

- Airflow based upon dry coil at 230v with factory-approved filter and electric heater (2 element heater sizes 018 through 037, 3 element heater sizes 043 through 061).
- Airflow at 208 volts is approximately the same as 230 volts because the multi-tap ECM motor is a constant torque motor. The torque doesn't drop off at the speeds the motor operates.
- To avoid potential for condensate blowing out of drain pan prior to making drain trap:
Return static pressure must be less than 0.40 in W.C.
Horizontal applications of 043 - 061 sizes must have supply static greater than 0.20 in W.C.
- Airflow above 400 cfm/ton on 049-061 size could result in condensate blowing off coil or splashing out of drain pan.

FX4D

PERFORMANCE DATA (cont.)

GROSS COOLING CAPACITIES (MBH) - PURON® REFRIGERANT

UNIT SIZE	INDOOR COIL			SATURATED TEMPERATURE LEAVING EVAPORATOR (°F / °C)														
	AIR			35 / 2			40 / 4			45 / 7			50 / 10			55 / 13		
	CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	
FX4D 019	525	72 / 22	36	19	0.00	33	17	0.00	28	15	0.00	24	13	0.00	19	11	0.01	
		67 / 19	29	19	0.01	26	17	0.01	22	15	0.02	17	13	0.02	12	10	0.02	
		62 / 17	23	19	0.02	20	17	0.02	16	15	0.02	12	12	0.07	10	10	0.24	
	600	72 / 22	40	21	0.00	36	19	0.00	32	17	0.00	27	14	0.01	21	12	0.02	
		67 / 19	33	21	0.02	29	19	0.02	24	17	0.02	19	14	0.02	13	12	0.03	
		62 / 17	26	21	0.02	22	19	0.02	17	17	0.03	13	13	0.08	11	11	0.25	
	675	72 / 22	44	23	0.00	40	21	0.00	35	18	0.00	29	16	0.02	23	13	0.02	
		67 / 19	36	23	0.02	32	21	0.03	26	18	0.03	21	16	0.03	15	13	0.03	
		62 / 17	29	24	0.03	24	21	0.03	19	19	0.04	15	15	0.10	12	12	0.26	
FX4D 025	700	72 / 22	48	25	0.00	43	22	0.00	37	19	0.00	31	17	0.02	25	14	0.03	
		67 / 19	39	25	0.03	34	22	0.03	28	20	0.03	22	17	0.03	16	14	0.04	
		62 / 17	31	25	0.03	26	23	0.03	20	20	0.04	16	16	0.10	13	13	0.26	
	800	72 / 22	53	27	0.00	47	24	0.00	41	21	0.01	35	18	0.03	27	15	0.04	
		67 / 19	43	28	0.04	37	25	0.04	31	22	0.04	25	19	0.04	17	16	0.05	
		62 / 17	34	28	0.04	29	25	0.04	23	22	0.05	18	18	0.12	15	15	0.28	
	900	72 / 22	57	30	0.00	51	27	0.00	45	23	0.03	38	20	0.04	30	17	0.05	
		67 / 19	47	30	0.05	41	27	0.05	34	24	0.05	27	21	0.05	19	17	0.06	
		62 / 17	37	31	0.05	31	28	0.05	25	24	0.06	20	20	0.14	16	16	0.29	
FX4D 031	875	72 / 22	59	30	0.00	53	27	0.00	46	24	0.01	38	20	0.02	30	17	0.03	
		67 / 19	48	31	0.03	42	28	0.03	35	24	0.04	27	21	0.04	19	17	0.04	
		62 / 17	38	31	0.04	32	28	0.04	25	24	0.04	20	20	0.11	16	16	0.27	
	1000	72 / 22	65	33	0.00	58	30	0.00	51	26	0.02	42	23	0.04	33	19	0.04	
		67 / 19	53	34	0.04	46	31	0.04	38	27	0.05	30	23	0.05	21	19	0.05	
		62 / 17	42	35	0.05	35	31	0.05	28	27	0.06	22	22	0.13	18	18	0.29	
	1125	72 / 22	71	36	0.00	63	33	0.00	55	29	0.03	46	25	0.05	36	20	0.05	
		67 / 19	58	37	0.05	50	33	0.05	42	29	0.06	33	25	0.06	23	21	0.07	
		62 / 17	46	38	0.06	38	34	0.06	30	30	0.07	24	24	0.15	20	20	0.30	
FX4D 037	1050	72 / 22	67	36	0.00	60	32	0.00	52	28	0.00	44	24	0.02	35	20	0.03	
		67 / 19	54	37	0.03	47	33	0.03	40	29	0.03	31	25	0.03	22	20	0.04	
		62 / 17	43	37	0.03	36	33	0.03	29	29	0.04	22	22	0.10	18	18	0.26	
	1200	72 / 22	74	40	0.00	66	36	0.00	58	31	0.01	48	27	0.03	38	22	0.04	
		67 / 19	60	41	0.04	52	36	0.04	44	32	0.04	35	27	0.04	24	23	0.05	
		62 / 17	48	41	0.04	40	37	0.04	32	32	0.05	25	25	0.12	21	21	0.28	
	1350	72 / 22	81	43	0.00	72	39	0.00	63	34	0.03	53	30	0.04	41	25	0.05	
		67 / 19	66	45	0.05	57	40	0.05	48	35	0.05	38	30	0.05	27	25	0.06	
		62 / 17	52	46	0.05	44	41	0.05	35	36	0.06	28	28	0.14	23	23	0.29	
FX4D 043	1225	72 / 22	79	41	0.00	71	37	0.00	62	33	0.02	52	28	0.03	41	23	0.04	
		67 / 19	64	42	0.04	56	38	0.04	47	33	0.04	37	29	0.04	26	24	0.05	
		62 / 17	51	43	0.04	43	38	0.04	34	34	0.05	27	27	0.12	22	22	0.28	
	1400	72 / 22	87	46	0.00	78	41	0.00	68	36	0.03	57	31	0.04	45	26	0.05	
		67 / 19	71	47	0.05	62	42	0.05	52	37	0.05	41	32	0.05	29	26	0.06	
		62 / 17	56	48	0.06	47	43	0.06	38	38	0.06	30	30	0.14	25	25	0.29	
	1575	72 / 22	95	50	0.00	85	45	0.00	74	39	0.04	62	34	0.05	48	28	0.06	
		67 / 19	77	51	0.06	67	46	0.06	56	40	0.06	44	35	0.07	31	29	0.07	
		62 / 17	61	52	0.07	51	47	0.07	41	41	0.08	33	33	0.17	27	27	0.31	
FX4D 049	1400	72 / 22	90	48	0.00	81	43	0.00	71	38	0.00	59	32	0.02	47	27	0.03	
		67 / 19	73	49	0.03	64	44	0.03	54	38	0.03	42	33	0.03	30	27	0.04	
		62 / 17	58	49	0.03	49	44	0.03	39	39	0.04	30	30	0.10	25	25	0.26	
	1600	72 / 22	100	53	0.00	89	48	0.00	78	42	0.01	65	36	0.03	51	30	0.04	
		67 / 19	81	54	0.04	71	48	0.04	59	43	0.04	47	36	0.04	33	30	0.05	
		62 / 17	65	55	0.04	54	49	0.04	43	43	0.05	34	34	0.12	28	28	0.28	
	1800	72 / 22	109	58	0.00	97	52	0.00	85	46	0.03	71	39	0.04	56	33	0.05	
		67 / 19	89	59	0.05	77	53	0.05	65	47	0.05	51	40	0.05	36	33	0.06	
		62 / 17	70	60	0.05	59	54	0.05	47	48	0.06	37	37	0.14	31	31	0.29	
FX4D 061	1600	72 / 22	109	57	0.00	98	51	0.00	86	45	0.00	73	39	0.01	58	32	0.02	
		67 / 19	89	58	0.02	78	52	0.02	66	46	0.02	52	39	0.03	37	33	0.03	
		62 / 17	71	59	0.03	60	52	0.03	48	46	0.03	37	37	0.09	31	31	0.24	
	1750	72 / 22	117	61	0.00	105	55	0.00	92	48	0.01	78	41	0.02	62	35	0.02	
		67 / 19	95	62	0.03	84	56	0.03	70	49	0.03	56	42	0.03	40	35	0.03	
		62 / 17	76	63	0.03	64	56	0.03	51	50	0.04	40	40	0.10	33	33	0.25	
	2000	72 / 22	129	67	0.00	116	60	0.00	102	53	0.02	86	46	0.03	68	38	0.03	
		67 / 19	105	69	0.04	92	62	0.04	78	54	0.04	62	47	0.04	44	39	0.05	
		62 / 17	84	70	0.04	71	63	0.04	57	55	0.05	45	45	0.12	37	37	0.27	

See Notes following table.

PERFORMANCE DATA (cont)

CFM – Cubic Ft per Minute
 SHC – Gross Sensible Capacity 1000 Btuh

EWB – Entering Wet Bulb °F (°C)
 BF – Bypass Factor

LWB – Leaving Wet Bulb °F (°C) TC – Gross Cooling Capacity 1000 Btuh
 MBH – 1000 Btuh

NOTES:

1. Contact manufacturer for cooling capacities at conditions other than shown in table.
2. Formulas:
 Leaving db = entering db - $\frac{\text{sensible heat cap.}}{1.09 \times \text{CFM}}$
 Leaving wb = wb corresponding to enthalpy of air leaving coil (h_{lwb})
 $h_{lwb} = h_{ewb} - \frac{\text{total capacity (Btuh)}}{4.5 \times \text{CFM}}$
 where h_{ewb} = enthalpy of air entering coil. Direct interpolation is permissible. Do not extrapolate.
3. SHC is based on 80°F (27°C) db temperature of air entering coil. Below 80°F (27°C) db, subtract (Correction Factor x CFM) from SHC. Above 80°F (27°C) db, add (Correction Factor x CFM) to SHC.
4. Bypass Factor = 0 indicates no psychometric solution. Use bypass factor of next lower EWB for approximation.

SHC CORRECTION FACTOR

BYPASS FACTOR	ENTERING AIR DRY-BULB TEMPERATURE (°F)					
	79	78	77	76	75	Under 75
	81	82	83	84	85	Over 85
	ENTERING AIR DRY-BULB TEMPERATURE (°C)					
26	25	25	24	24	Under 75	
27	28	28	29	29	Over 85	
Correction Factor						
0.10	.098	1.96	2.94	3.92	4.91	Use formula shown below
0.20	0.87	1.74	2.62	3.49	4.36	
0.30	0.76	1.53	2.29	3.05	3.82	

Interpolation is permissible.
 Correction Factor = 1.09 x (1 - BF) x (db - 80)

FX4D

MINIMUM CFM AND MOTOR SPEED SELECTION

FAN COIL SIZES FX	HEATER kW									
	3	5	8	9	10	15	18	20	24	30
019	525	525	525	—	600*	—	—	—	—	—
025	700	700	700	—	700	775*	—	—	—	—
031	—	875	875	—	875	875	—	1060*	—	—
037	—	1050	970	970	970	920	—	1040	—	—
043	—	—	1225	1225	1225	1225	1225	1225	—	—
049	—	—	1400	1400	1400	1400	1400	1400	1400	1400
061	—	—	1750	1750	1750	1750	1750	1750	1750	1750

* Indicates medium speed (blue). All other motor speeds at low tap.

AIR DELIVERY PERFORMANCE CORRECTION COMPONENT PRESSURE DROP (in W.C.) AT INDICATED AIRFLOW (DRY-TO-WET COIL)

FX SIZE	CFM															
	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
019	0.034	0.049	0.063	—	—	—	—	—	—	—	—	—	—	—	—	—
025	0.016	0.027	0.038	0.049	0.059	—	—	—	—	—	—	—	—	—	—	—
031	—	—	—	0.049	0.059	0.070	0.080	—	—	—	—	—	—	—	—	—
037	—	—	—	—	—	0.055	0.064	0.073	0.081	—	—	—	—	—	—	—
043	—	—	—	—	—	—	—	0.049	0.056	0.063	0.070	—	—	—	—	—
049	—	—	—	—	—	—	—	—	—	0.038	0.043	0.049	0.054	0.059	—	—
061	—	—	—	—	—	—	—	—	—	—	—	0.027	0.031	0.035	0.039	0.043

PERFORMANCE DATA (cont)

FACTORY-INSTALLED FILTER STATIC PRESSURE DROP (in W.C.)

UNIT SIZE FX4D	CFM								
	400	600	800	1000	1200	1400	1600	1800	2000
019, 025	0.012	0.022	0.048	0.072	-	-	-	-	-
031, 037, 043	-	-	0.036	0.051	0.07	0.092	0.12	-	-
049, 061	-	-	-	-	-	0.073	0.086	0.105	0.13

ELECTRIC HEATER STATIC PRESSURE DROP (in W.C.)

019 - 037			043 - 061		
HEATER ELEMENTS	KW	EXTERNAL STATIC PRESSURE CORRECTION	HEATER ELEMENTS	KW	EXTERNAL STATIC PRESSURE CORRECTION
0	0	+.02	0	0	+.04
1	3, 5	+.01	2	8, 10	+.02
2	8, 10	0	3	9, 15	0
3	9, 15	-.02	4	20	-.02
4	20	-.04	6	18, 24, 30	-.10

The airflow performance data was developed using fan coils with 10-kW electric heaters (2 elements) in the 019 through 037 size units and 15-kW heaters (3 elements) in the 043 through 061 size units. For fan coils with heaters of a different number of elements, the external available static at a given CFM from the curve may be corrected by adding or subtracting available external static pressure as indicated above.

ACCESSORY ELECTRIC HEATERS

HEATER PART NO.	KW @ 240V	VOLTS/ PH	STAGES (KW OPERATING)	INTERNAL CIRCUIT PROTECTION	FAN COIL SIZE USED WITH	HEATING CAP** @ 230V
KFCEH0401N03	3	230/1	3	None	018-024	9,400
KFCEH0501N05	5	230/1	5	None	018-060	15,700
KFCEH0801N08	8	230/1	8	None	018-060	25,100
KFCEH0901N10	10	230/1	10	None	018-060	31,400
KFCEH3201F20	20	230/1	5, 20	Fuse†	030-060	62,800
KFCEH1601315	15	230/3	5, 15	None	036-060	47,100
KFCEH2001318	18	230/3	6, 12, 18	None	042-060	56,500
KFCEH3401F24	24	230/3*	8, 16, 24	Fuse	048, 060	78,300
KFCEH3501F30	30	230/3*	10, 20, 30	Fuse	048, 060	94,100
KFCEH2401C05	5	230/1	5	Circuit Breaker	018-060	15,700
KFCEH2501C08	8	230/1	8	Circuit Breaker	018-060	25,100
KFCEH2601C10	10	230/1	10	Circuit Breaker	018-060	31,400
KFCEH3301C20	20	230/1	5, 20	Circuit Breaker	030-060	62,800
KFCEH2901N09	9	230/1†	3, 9	None	036-060	28,200
KFCEH3001F15	15	230/1	5, 15	Fuse†	024-060	47,100
KFCEH3101C15	15	230/1	5, 15	Circuit Breaker	024-060	47,100

* Field convertible to 1 phase.

† Field convertible to 3 phase.

‡ Single point wiring kit required for these heaters in Canada.

** Blower Motor heat not included.

ESTIMATED SOUND POWER LEVEL (dBA)

UNIT SIZE FX	CONDITIONS		OCTAVE BAND CENTER FREQUENCY*						
	CFM	Ext Static Pressure	63	125	250	500	1000	2000	4000
019	600	0.25	64.7	60.7	56.7	53.7	51.7	49.7	45.7
025	800	0.25	66.0	62.0	58.0	55.0	53.0	51.0	47.0
031	1000	0.25	67.0	63.0	59.0	56.0	54.0	52.0	48.0
037	1200	0.25	67.8	63.8	59.8	56.8	54.8	52.8	48.8
043	1400	0.25	68.4	64.4	60.4	57.4	55.4	53.4	49.4
049	1600	0.25	69.0	65.0	61.0	58.0	56.0	54.0	50.0
061	2000	0.25	70.0	66.0	62.0	59.0	57.0	55.0	51.0

* Estimated sound power levels have been derived using the method described in the 1987 ASHRAE HVAC Systems & Applications Handbook, Chapter 52, p. 52.7.

ELECTRICAL DATA FOR UNITS WITH FACTORY-INSTALLED HEAT

FX4DNF MODEL NO.	MTR HP	MTR FLA	VOLTS/PH/ HZ	HEAT PACK INSTALLED MKFCEH	SINGLE CIRCUIT			DUAL CIRCUIT						
					Heater Amps	MCA	MOCP	Htr. Amps	MCA	MOCP	Htr. Amps	MCA	MOCP	
								L1/L2	L1/L2	L1/L2	L3/L4	L3/L4	L3/L4	
019(O,L)05	1/3	2.8	208/230/1/60	0501N05	18.1/20.0	26.1/28.5	30/30	N/A	N/A	N/A	N/A	N/A	N/A	N/A
025(O,L)05	1/3	2.8	208/230/1/60	0501N05	18.1/20.0	26.1/28.5	30/30	N/A	N/A	N/A	N/A	N/A	N/A	N/A
031(O,L)08	1/2	4.1	208/230/1/60	0801N08	28.9/32.0	41.3/45.2	45/50	N/A	N/A	N/A	N/A	N/A	N/A	N/A
037(O,L)10	1/2	4.1	208/230/1/60	0901N10	36.2/40.0	50.4/55.1	60/60	N/A	N/A	N/A	N/A	N/A	N/A	N/A
043(O,L)10	1/2	4.1	208/230/1/60	0901N10	36.2/40.0	50.4/55.1	60/60	N/A	N/A	N/A	N/A	N/A	N/A	N/A
049(O,L)10	3/4	6.0	208/230/1/60	0901N10	36.2/40.0	52.8/57.5	60/60	N/A	N/A	N/A	N/A	N/A	N/A	N/A
061(O,L)10	3/4	6.0	208/230/1/60	0901N10	36.2/40.0	52.8/57.5	60/60	N/A	N/A	N/A	N/A	N/A	N/A	N/A
061(O,T,L)015	3/4	6.0	208/230/1/60	1501F15	54.2/59.9	75.3/82.4	80/90	36.2/40.0	52.8/57.5	60/60	18.1/20.0	22.6/25.0	25/25	

MCA – Minimum Circuit Amps

MOCP – Maximum Overcurrent Protection

ELECTRICAL DATA FOR UNITS WITHOUT ELECTRICAL HEAT

MODEL NO.	MTR HP	MTR FLA	VOLTS/PH/HZ	SINGLE CIRCUIT		BRANCH CIRCUIT MIN WIRE SIZE* AWG
				MCA	MAXIMUM OVERCURRENT PROTECTION	
FX4DNF019(O,T,L)00	1/3	2.8	208/230/1/60	3.5	15	14
FX4DNF025(O,T,L)00	1/3	2.8	208/230/1/60	3.5	15	14
FX4DNF031(O,T,L)00	1/2	4.1	208/230/1/60	5.1	15	14
FX4DNF037(O,T,L)00	1/2	4.1	208/230/1/60	5.1	15	14
FX4DNF043(O,T,L)00	1/2	4.1	208/230/1/60	5.1	15	14
FX4DNF049(O,T,L)00	3/4	6.0	208/230/1/60	7.5	15	14
FX4DNF061(O,T,L)00	3/4	6.0	208/230/1/60	7.5	15	14
FX4DNB031(T,L)00	1/2	4.1	208/230/1/60	5.1	15	14
FX4DNB037(T,L)00	1/2	4.1	208/230/1/60	5.1	15	14
FX4DNB043(T,L)00	1/2	4.1	208/230/1/60	5.1	15	14
FX4DNB049(T,L)00	3/4	6.0	208/230/1/60	7.5	15	14
FX4DNB061(T,L)00	3/4	6.0	208/230/1/60	7.5	15	14

* Use copper wire only. Use 75°C only in this application. When using non-metallic (NM) sheathed cable, wire size required should be based on that of 60°C conductors, instead of wire sizes shown in table above per NEC Article 336-26.

NOTE: If branch circuit wire length exceeds 100 ft (30 m), consult NEC 215-2 to determine maximum wire length. Use 2% voltage drop.

FLA – Full Load Amps

FX4D

HEATER ELECTRICAL DATA

FACTORY-INSTALLED HEATER OPTIONS*

MODEL	019	025	031	037	043	049	061
FX4DNF	5	5	8	10	10	10	10, 15

* For field-installed heater/fan coil combinations, see Accessory Electric Heaters.

ELECTRIC HEATER INTERNAL PROTECTION

HEATER kW	PHASE	FUSE QTY/SIZE	CKT BKR* QTY/SIZE
5	1	—	1/60
8	1	—	1/60
9	1/3	—	—
10	1	—	1/60
15	1	2/30-2/60	2/60
15	3	—	—
18	3	—	—
20	1	4/60	2/60
24	1/3	6/60	—
30	1/3	6/60	—

* All circuit breakers are 2 pole.

When using units with 20-, 24-, and 30-kW electric heaters, maintain a 1-in. (25 mm) clearance from combustible materials to discharge plenum and ductwork and maintain a distance of 36 in. (914mm) from the unit. Use an accessory downflow base to maintain proper clearance on downflow installations. Use flexible connectors between ductwork and unit to prevent transmission of vibration. When electric heater is installed, use heat resistant material for flexible connector between ductwork and unit at discharge connection. Ductwork passing through unconditioned space must be insulated and covered with vapor barrier

FX4D

ACCESSORIES

ITEM	ACCESSORY PART NO.*	FAN COIL SIZE USED WITH
1. Disconnect Kit	KFADK0201DSC	Cooling controls and heaters 3- through 10-kW
2. Downflow Base Kit	KFACB0201CFB	019, 025
	KFACB0301CFB	031, 037, 043
	KFACB0401CFB	049, 061
3. Downflow Conversion Kit †	KFADC0201SLP	Slope Coil Units — 019, 024, 031
	KFADC0401ACL	A-Coil Units — 037, 043, 049, 061
4. Downflow/Horizontal Conversion Gasket Kit	KFAHD0101SLP	All
5. Horizontal Water Management Kit (25 pack) ‡	KFAHC0125AAA	All
6. Single-Point Wiring Kit	KFASP0101SPK	Only with 15- and 20-kW Fused Heaters
7. Filter Kit (12 Pack)	KFAFK0112SML	NA
	KFAFK0212MED	019, 025
	KFAFK0312LRG	031, 037, 043
	KFAFK0412XXL	049, 061
8. Fan Coil Filter Cabinet (Fan Coil Filter Media)	FNCCABBB0014 (FILXXFNC0014)	NA
	FNCCABBB0017 (FILXXFNC0017)	019, 025
	FNCCABBB0021 (FILXXFNC0021)	031, 037, 043
	FNCCABBB0024 (FILXXFNC0024)	049, 061
9. PVC Condensate Trap Kit (50 pack)	KFAET0150ETK	All
10. Air Cleaner 240-volt Conversion Kit	KEAVC0201240	All
11. Standard Filter Rack Kit	KFAFR0101FRM	NA
	KFAFR0201FRM	019, 025
	KFAFR0301FRM	031, 037, 043
	KFAFR0401FRM	049, 061

* Factory authorized and listed, field-installed.

† KFAHD0101SLP must also be purchased for downflow applications.

‡ KFAHD0101SLP must also be purchased for downflow or horizontal applications.

ACCESSORY ELECTRIC HEATER ELECTRICAL DATA

HEATER PART NO.	kW		PHASE	INTERNAL CIRCUIT PROTECTION	HEATER AMPS 208/230V		BRANCH CIRCUIT																
							Min Ampacity 208/230V*				Min Wire Size (AWG) 208/230V†				Min Gnd Wire Size 208/230V			Max Fuse/Ckt Bkr Ampe 208/230V			Max Wire Length 208/230V (F)‡		
	Single Circuit	Dual Circuit			Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		
		L1,L2				L3,L4	L1,L2		L3,L4	L1,L2		L3,L4	L1,L2		L3,L4	L1,L2		L3,L4	L1,L2		L3,L4	L1,L2	L3,L4
240v	208v																						
KFCEH0401N03	3	2.3	1	None	10.9/12.0	—	—	15.9/17.3	—	—	12/12	—	—	12/12	—	—	20/20	—	—	67/66	—	—	
KFCEH0501N05 [†]	5	3.8	1	None	18.1/20.0	—	—	28.0/28.4	—	—	10/10	—	—	10/10	—	—	30/30	—	—	66/66	—	—	
KFCEH0501N05 [‡]	5	3.8	1	None	18.1/20.0	—	—	31.2/33.5	—	—	8/8	—	—	10/10	—	—	35/35	—	—	65/66	—	—	
KFCEH2401C05 [†]	5	3.8	1	Ckt Bkr	18.1/20.0	—	—	28.0/28.4	—	—	10/10	—	—	10/10	—	—	30/30	—	—	69/66	—	—	
KFCEH2401C05 [‡]	5	3.8	1	Ckt Bkr	18.1/20.0	—	—	31.2/33.5	—	—	8/8	—	—	10/10	—	—	35/35	—	—	65/66	—	—	
KFCEH0801N08	8	6.0	1	None	28.9/32.0	—	—	44.7/48.5	—	—	8/8	—	—	10/10	—	—	45/50	—	—	50/60	—	—	
KFCEH2501C08	8	6.0	1	Ckt Bkr	28.9/32.0	—	—	44.7/48.5	—	—	8/8	—	—	10/10	—	—	45/50	—	—	59/60	—	—	
KFCEH2901N09	9	6.8	1	None	32.8/36.0	—	—	49.5/53.5	—	—	6/6	—	—	10/10	—	—	50/60	—	—	54/67	—	—	
KFCEH2901N09**	9	6.8	3	None	18.9/20.8	—	—	32.0/34.5	—	—	8/8	—	—	10/10	—	—	35/35	—	—	63/65	—	—	
KFCEH0901N10	10	7.5	1	None	38.2/40.0	—	—	53.8/58.5	—	—	6/6	—	—	10/10	—	—	60/60	—	—	78/80	—	—	
KFCEH2001C10	10	7.5	1	Ckt Bkr	38.2/40.0	—	—	53.8/58.5	—	—	6/6	—	—	10/10	—	—	60/60	—	—	78/80	—	—	
KFCEH3001F15	15	11.3	1	Fuse	54.2/59.9	36.2/40.0	18.1/20.0	78.3/83.4	53.8/58.5	22.7/25.0	4/4	6/6	10/10	8/8	10/10	10/10	80/60	60/60	25/25	68/69	78/80	75/76	
KFCEH3010C15	15	11.3	1	Ckt Bkr	—	36.2/40.0	18.1/20.0	—	53.8/58.5	22.7/25.0	—	6/6	10/10	—	10/10	10/10	—	60/60	25/25	—	78/80	75/76	
KFCEH1601315	15	11.3	3	None	31.3/34.8	—	—	47.7/51.8	—	—	8/8	—	—	10/10	—	—	50/60	—	—	50/60	—	—	
KFCEH2001318	18	13.5	3	None	37.6/41.5	—	—	56.5/60.4	—	—	6/6	—	—	10/8	—	—	60/70	—	—	78/77	—	—	
KFCEH3201F20	20	15.0	1	Fuse	72.3/79.9	36.2/40.0	36.2/40.0	98.9/108.4	53.8/58.5	45.3/50.0	3/2	6/6	8/8	8/8	10/10	10/10	100/110	60/60	50/50	65/100	78/80	56/59	
KFCEH3301C20	20	15.0	1	Ckt Bkr	—	36.2/40.0	36.2/40.0	—	53.8/58.5	45.3/50.0	—	6/6	8/8	—	10/10	10/10	—	60/60	50/50	—	78/80	56/59	
KFCEH3401F24††	24	18.0	3	Fuse	50.1/55.4	—	—	71.2/77.8	—	—	4/4	—	—	6/6	—	—	60/80	—	—	64/65	—	—	
	24	18.0	1	Fuse	86.7/95.5	—	—	118.9/127.9	—	—	1/1	—	—	6/6	—	—	125/150	—	—	115/116	—	—	
KFCEH3501F30††	30	22.5	3	Fuse	62.6/69.2	—	—	88.8/95.0	—	—	3/3	—	—	8/8	—	—	90/100	—	—	67/68	—	—	
	30	22.5	1	Fuse	109.0/120.0	—	—	144.8/158.5	—	—	0/00	—	—	6/6	—	—	150/175	—	—	117/150	—	—	

FIELD MULTIPOINT WIRING OF 24-AND 30-KW SINGLE PHASE

HEATER PART NO.	kW		PHASE	HEATER AMPS 208/230V			MIN AMPACITY 208/230V*			MIN WIRE SIZE (AWG) 208/230V†			MIN GND WIRE SIZE 208/230V	MAX FUSE/CKT BKR AMPS 208/230V			MAX WIRE LENGTH 208/230V (F)‡		
	240V	208V		L1,L2	L3,L4	L5,L6	L1,L2	L3,L4	L5,L6	L1,L2	L3,L4	L5,L6		L1,L2	L3,L4	L5,L6	L1,L2	L3,L4	L5,L6
KFCEH3401F24††	24	18.0	1	28.9/32.0	28.9/32.0	28.9/32.0	44.7/48.5	36.2/40.0	36.2/40.0	8/8	8/8	8/8	10/10	45/50	40/40	40/40	59/60	73/73	73/73
KFCEH3501F30††	30	22.5	1	36.2/40.0	36.2/40.0	36.2/40.0	53.8/58.5	45.3/50.0	45.3/50.0	6/6	8/8	8/8	10/10	60/80	50/50	50/50	78/80	59/59	59/59

* Includes blower motor amps of largest fan coil used with heater.

† Copper wire must be used. If other than uncoated (non-plated), 75°C ambient, copper wire (solid wire for 10 AWG and smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the National Electric Code (ANSI/NFPA 70).

‡ Length shown is as measured 1 way along wire path between unit and service panel for a voltage drop not to exceed 2%.

** Field convertible to 3 phase.

†† Field convertible to 1 phase, single or multiple supply circuit.

NOTES:

1. For fan coil sizes 018-037.
2. For fan coil sizes 042-061.
3. Single circuit application of F15 and F20 heaters requires single-point wiring kit accessory.



This combination qualifies for a Federal Energy Efficiency Tax Credit when placed in service between Feb 17, 2009 and Dec 31, 2013.

Certificate of Product Ratings

AHRI Certified Reference Number: 3632633 Date: 10/13/2014

Product: Split System: Air-Cooled Condensing Unit, Coil with Blower

Outdoor Unit Model Number: 116BNA024****A

Indoor Unit Model Number: FX4DNF025

Manufacturer: BRYANT HEATING AND COOLING SYSTEMS

Trade/Brand name: BRYANT HEATING AND COOLING SYSTEMS

Series name: LEGACY RNC 16 PURON AC

Manufacturer responsible for the rating of this system combination is BRYANT HEATING AND COOLING SYSTEMS

Rated as follows in accordance with AHRI Standard 210/240-2008 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (Btuh):	23400
EER Rating (Cooling):	13.00
SEER Rating (Cooling):	16.00
IEER Rating (Cooling):	

* Ratings followed by an asterisk (*) indicate a voluntary rerate of previously published data, unless accompanied with a WAS, which indicates an involuntary rerate.

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ENERGYGUIDE

Central Air Conditioner
Cooling Only
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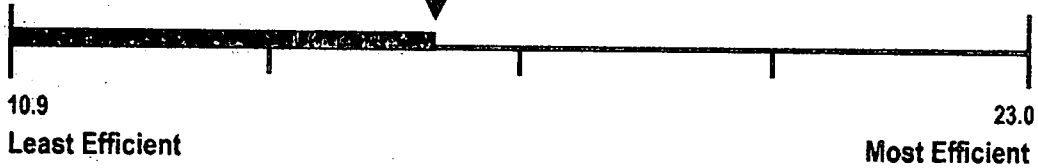
BRYANT HEATING AND COOLING
SYSTEMS

Model 116BNA024****A



Seasonal Energy Efficiency Ratio

16.00



Efficiency Range of Similar Models

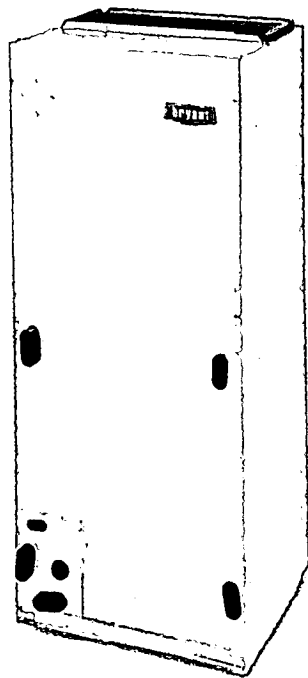
- Efficiency range based only on split system units.
- This energy efficiency ratings is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating may vary slightly with different coils.
- For more information, visit www.ftc.gov/energy.

**FB4C
LEGACY LINE FAN COIL
SIZES 018 THRU 060**



Product Data

AIR HANDLER TECHNOLOGY AT ITS FINEST



The FB4C fan coil has the proven technology of Bryant fan coil units with Puron® refrigerant as well as vertical and horizontal applications. The design features contoured condensate pans with rugged drain connections, ensuring that little water is left in the unit at the end of the cooling duty cycle. The lack of standing condensate and corrosion free pans improves IAQ and product life, features homeowners appreciate.

Standard features include grooved tubing and louvered fins. Coil circuiting has also been updated to make the most of all Bryant heat pumps and air conditioners. Units come with solid state fan controls, 1-inch (25mm) thick insulation with R-value of 4.2, multi-speed motors, and fully-wettable coils. Units can accommodate factory- and/or field-installed heaters from 3 to 30 kW.

It also should be noted that the unique cabinet design of these fan coils meet stringent regulations for cabinet air leakage - a requirement of 2% cabinet leakage rate when tested at 1.0 inches of static pressure.

The FB4C fan coil design is loaded with popular features. These fan coils utilize the latest in electronic commutation motor (ECM) technology through the use of high efficiency, multi-tap ECM motors allowing reliable air delivery with increased static pressure. It comes in a pre-painted (taupe metallic) galvanized steel casing and a factory-supplied power plug for ease of installation. The FB4C unit is shipped with a factory-installed Teflon-ring piston FB4CNF(018-048) or a Puron refrigerant TXV FB4CNF060, FB4CNP(018-060).

A10083

STANDARD FEATURES

- Multi-tap ECM (electronic commutating motor) motors - all sizes
- Integrated motor controls, with 90-sec off TDR function, have replaced integrated circuit board
- Five available speed tags to meet a wide range of applications
- Large, grooved tube, louvered fin coils
- Efficient, quiet, time-tested blower housings and diffusers
- Sturdy, drainable condensate pans
- Cabinet construction features innovations designed to prevent cabinet sweating
- Tested for condensate disposal in much tougher conditions than Air Conditioning and Refrigeration Institute requirements
- Super-thick R-4.2 insulation with vapor barrier
- Pre-painted galvanized steel cabinet (taupe metallic)
- Cabinet design meets stringent regulations for 2% cabinet leakage rate when tested at 1.0 inches static pressure
- Installation-flexible, multipoise units
- Horizontal hanging provisions on cabinet
- No tools required to access filter
- Newly improved filter rack area filter door insulation added for improved air seal
- Factory-installed heater packages available on select models (5- through 15-kW)
- 3- through 30-kW accessory heaters - field installed
- Factory-supplied power plug
- Easy plug-in provisions for heater installation
- Entry options for high and low voltage wiring hook-up
- Leak-preventing sweat connections
- Puron refrigeration factory-installed Teflon-ring pistons on all FB4CNF (018-048) coils
- Thermostatic expansion valve, TXV, on all FB4CNP coils and FB4CNF060
- Designed for manufactured housing applications.

ADDITIONAL FEATURES

- Factory-installed heater packages available on select models

ACCESSORY ELECTRIC HEATER ELECTRICAL DATA

HEATER PART NO.	kW		P H A S E	INTERNAL CIRCUIT PROTECTION	HEATER AMPS 208/230V		BRANCH CIRCUIT															
							Min Ampacity 208/230V*			Min Wire Size (AWG) 208/230V†			Min Gnd Wire Size 208/230V			Max Fuse/Ckt Bkr Amps 208/230V			Max Wire Length 208/230V (FT)‡			
	240v	208v			Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		Single Circuit	Dual Circuit				
			L1,L2	L3,L4		L1,L2	L3,L4		L1, L2	L3, L4		L1, L2	L3,L4		L1,L2	L3,L4		L1,L2	L3,L4			
KFCEH0401N03	3	2.3	1	None	10.9/12.0	—	—	15.9/17.3	—	—	12/12	—	—	12/12	—	—	20/20	—	—	67/68	—	—
KFCEH0501N05 ¹	5	3.8	1	None	18.1/20.0	—	—	26.0/28.4	—	—	10/10	—	—	10/10	—	—	30/30	—	—	66/66	—	—
KFCEH0501N05 ²	5	3.8	1	None	18.1/20.0	—	—	31.2/33.5	—	—	8/8	—	—	10/10	—	—	35/35	—	—	85/88	—	—
KFCEH2401C05 ¹	5	3.8	1	Ckt Bkr	18.1/20.0	—	—	26.0/28.4	—	—	10/10	—	—	10/10	—	—	30/30	—	—	66/66	—	—
KFCEH2401C05 ²	5	3.8	1	Ckt Bkr	18.1/20.0	—	—	31.2/33.5	—	—	8/8	—	—	10/10	—	—	35/35	—	—	85/88	—	—
KFCEH0801N08	8	6.0	1	None	28.9/32.0	—	—	44.7/48.5	—	—	8/8	—	—	10/10	—	—	45/50	—	—	59/60	—	—
KFCEH2501C08	8	6.0	1	Ckt Bkr	28.9/32.0	—	—	44.7/48.5	—	—	8/8	—	—	10/10	—	—	45/50	—	—	59/60	—	—
KFCEH2901N09	9	6.8	1	None	32.8/36.0	—	—	49.5/53.5	—	—	8/6	—	—	10/10	—	—	50/60	—	—	54/87	—	—
KFCEH2901N09**	9	6.8	3	None	18.8/20.8	—	—	32.0/34.5	—	—	8/8	—	—	10/10	—	—	35/35	—	—	83/85	—	—
KFCEH0901N10	10	7.5	1	None	36.2/40.0	—	—	53.8/58.5	—	—	6/6	—	—	10/10	—	—	60/60	—	—	78/80	—	—
KFCEH2601C10	10	7.5	1	Ckt Bkr	36.2/40.0	—	—	53.8/58.5	—	—	6/6	—	—	10/10	—	—	60/60	—	—	78/80	—	—
KFCEH3001F15	15	11.3	1	Fuse	54.2/59.9	36.2/40.0	18.1/20.0	76.3/83.4	53.8/58.5	22.7/25.0	4/4	6/6	10/10	8/8	10/10	10/10	80/90	60/60	25/25	88/89	78/80	75/76
KFCEH3101C15	15	11.3	1	Ckt Bkr	—	36.2/40.0	18.1/20.0	—	53.8/58.5	22.7/25.0	—	6/6	10/10	—	10/10	10/10	—	60/60	25/25	—	78/80	75/76
KFCEH1601315	15	11.3	3	None	31.3/34.6	—	—	47.7/51.8	—	—	8/6	—	—	10/10	—	—	50/60	—	—	56/90	—	—
KFCEH2001318	18	13.5	3	None	37.6/41.5	—	—	55.5/60.4	—	—	6/6	—	—	10/8	—	—	60/70	—	—	78/77	—	—
KFCEH3201F20	20	15.0	1	Fuse	72.3/79.9	36.2/40.0	36.2/40.0	98.9/108.4	53.8/58.5	45.3/50.0	3/2	6/6	8/8	8/6	10/10	10/10	100/110	60/60	50/50	85/109	78/80	59/59
KFCEH3301C20	20	15.0	1	Ckt Bkr	—	36.2/40.0	36.2/40.0	—	53.8/58.5	45.3/50.0	—	8/6	8/8	—	10/10	10/10	—	60/60	50/50	—	78/80	59/59
KFCEH3401F24††	24	18.0	3	Fuse	50.1/55.4	—	—	71.2/77.8	—	—	4/4	—	—	8/8	—	—	80/80	—	—	94/95	—	—
	24	18.0	1	Fuse	86.7/95.5	—	—	116.9/127.9	—	—	1/1	—	—	6/6	—	—	125/150	—	—	115/116	—	—
KFCEH3501F30††	30	22.5	3	Fuse	62.6/69.2	—	—	86.8/95.0	—	—	3/3	—	—	8/8	—	—	90/100	—	—	97/98	—	—
	30	22.5	1	Fuse	109.0/120.0	—	—	144.8/158.5	—	—	0/00	—	—	6/6	—	—	150/175	—	—	117/150	—	—

FIELD MULTIPOINT WIRING OF 24- AND 30-KW SINGLE PHASE

HEATER PART NO.	kW		P H A S E	HEATER AMPS 208/230V			MIN AMPACITY 208/230V*			MIN WIRE SIZE (AWG) 208/230V†			MIN GND WIRE SIZE 208/230V	MAX FUSE/CKT BKR AMPS 208/230V			MAX WIRE LENGTH 208/230V (FT)‡		
	240V	208V		L1,L2	L3,L4	L5,L6	L1,L2	L3,L4	L5,L6	L1,L2	L3,L4	L5,L6		L1,L2	L3,L4	L5,L6	L1,L2	L3,L4	L5,L6
KFCEH3401F24††	24	18.0	1	28.9/32.0	28.9/32.0	28.9/32.0	44.7/48.5	36.2/40.0	36.2/40.0	8/8	8/8	8/8	10/10	45/50	40/40	40/40	59/60	73/73	73/73
KFCEH3501F30††	30	22.5	1	36.2/40.0	36.2/40.0	36.2/40.0	53.8/58.5	45.3/50.0	45.3/50.0	6/6	8/8	8/8	10/10	60/60	50/50	50/50	78/80	59/59	59/59

*Includes blower motor amps of largest fan coil used with heater.

†Copper wire must be used. If other than uncoated (non-plated), 75°C ambient, copper wire (solid wire for 10 AWG and smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the National Electric Code (ANSI/NFPA 70).

‡Length shown is as measured 1 way along wire path between unit and service panel for a voltage drop not to exceed 2%.

**Field convertible to 3 phase.

††Field convertible to 1 phase, single or multiple supply circuit.

NOTES:

1. For fan coil sizes 018-036.
2. For fan coil sizes 042-060.
3. Single circuit application of F15 and F20 heaters requires single-point wiring kit accessory.

PERFORMANCE DATA (cont.)

GROSS COOLING CAPACITIES (MBH) - PURON® REFRIGERANT

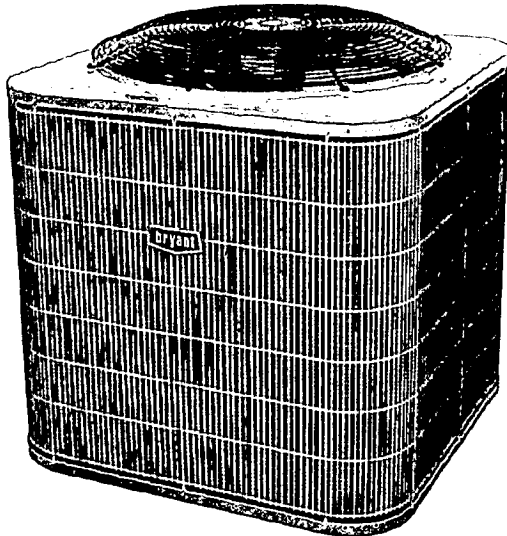
UNIT SIZE	INDOOR COIL AIR	SATURATED TEMPERATURE LEAVING EVAPORATOR (°F / °C)																
		CFM	EWB	35 / 2			40 / 4			45 / 7			50 / 10			55 / 13		
				TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
FB4C 018	525	72 / 22	41	20	0.00	37	17	0.00	32	15	0.00	27	13	0.02	21	11	0.03	
		67 / 19	33	20	0.03	29	18	0.03	24	16	0.03	19	13	0.03	13	11	0.04	
		62 / 17	26	20	0.03	22	18	0.03	18	16	0.04	14	14	0.10	11	11	0.26	
	600	72 / 22	45	22	0.00	40	19	0.00	35	17	0.01	30	15	0.03	23	12	0.04	
		67 / 19	37	22	0.04	32	20	0.04	27	17	0.04	21	15	0.04	15	12	0.05	
		62 / 17	29	22	0.04	24	20	0.04	19	18	0.05	15	15	0.12	13	13	0.28	
	675	72 / 22	49	24	0.00	44	21	0.00	38	19	0.03	32	16	0.04	25	13	0.05	
		67 / 19	40	24	0.05	35	22	0.05	29	19	0.05	23	16	0.05	16	14	0.06	
		62 / 17	32	25	0.05	27	22	0.05	21	19	0.06	17	17	0.14	14	14	0.29	
FB4C 024	700	72 / 22	43	22	0.00	38	20	0.00	33	17	0.03	28	15	0.04	22	12	0.05	
		67 / 19	35	23	0.05	30	20	0.05	25	18	0.05	20	15	0.05	14	13	0.06	
		62 / 17	28	23	0.06	23	21	0.06	18	18	0.06	15	15	0.14	12	12	0.29	
	800	72 / 22	47	24	0.00	42	22	0.01	36	19	0.04	31	17	0.06	24	14	0.06	
		67 / 19	38	25	0.06	33	22	0.06	28	20	0.07	22	17	0.07	15	14	0.08	
		62 / 17	30	26	0.07	25	23	0.07	20	20	0.08	16	16	0.17	13	13	0.31	
	900	72 / 22	51	26	0.00	45	24	0.03	40	21	0.06	33	18	0.07	26	15	0.07	
		67 / 19	41	27	0.07	36	25	0.08	30	22	0.08	24	19	0.08	17	16	0.09	
		62 / 17	33	28	0.08	28	25	0.08	22	22	0.09	18	18	0.19	15	15	0.33	
FB4C 030	875	72 / 22	62	31	0.00	56	28	0.00	49	24	0.02	41	21	0.04	32	17	0.04	
		67 / 19	51	32	0.04	44	28	0.05	37	25	0.05	29	21	0.05	21	18	0.05	
		62 / 17	40	32	0.05	34	29	0.05	27	25	0.06	21	21	0.13	18	18	0.28	
	1000	72 / 22	68	34	0.00	61	31	0.00	53	27	0.04	45	23	0.05	35	19	0.06	
		67 / 19	56	35	0.06	49	31	0.06	41	28	0.06	32	24	0.06	22	20	0.07	
		62 / 17	44	36	0.06	37	32	0.06	29	28	0.07	24	24	0.16	20	20	0.30	
	1125	72 / 22	74	37	0.00	66	33	0.02	58	29	0.05	48	25	0.06	38	21	0.07	
		67 / 19	60	38	0.07	53	34	0.07	44	30	0.07	35	26	0.07	24	22	0.08	
		62 / 17	48	39	0.07	40	35	0.07	32	31	0.09	26	26	0.18	21	21	0.32	
FB4C 036	1050	72 / 22	68	34	0.00	61	31	0.00	53	27	0.04	45	23	0.05	35	20	0.06	
		67 / 19	56	36	0.06	49	32	0.06	41	28	0.06	32	24	0.07	22	20	0.07	
		62 / 17	44	36	0.07	37	33	0.07	30	29	0.08	24	24	0.17	20	20	0.31	
	1200	72 / 22	75	38	0.00	67	34	0.03	58	30	0.06	49	26	0.07	38	22	0.07	
		67 / 19	61	39	0.07	53	35	0.08	45	31	0.08	35	27	0.08	25	22	0.09	
		62 / 17	49	40	0.08	41	36	0.08	32	32	0.09	26	26	0.19	22	22	0.33	
	1350	72 / 22	81	41	0.00	72	37	0.05	63	32	0.07	53	28	0.08	41	23	0.09	
		67 / 19	66	43	0.08	58	38	0.09	48	34	0.09	38	29	0.09	27	25	0.10	
		62 / 17	53	44	0.09	44	40	0.09	35	35	0.11	29	29	0.22	24	24	0.35	
FB4C 042	1225	72 / 22	89	44	0.00	80	40	0.00	70	35	0.02	58	30	0.03	46	25	0.04	
		67 / 19	73	45	0.04	63	41	0.04	53	36	0.04	42	31	0.04	29	25	0.05	
		62 / 17	58	46	0.04	48	41	0.04	38	36	0.05	30	30	0.12	25	25	0.28	
	1400	72 / 22	98	49	0.00	88	44	0.00	77	39	0.03	64	33	0.04	50	28	0.05	
		67 / 19	80	50	0.05	70	45	0.05	58	39	0.05	46	34	0.05	32	28	0.06	
		62 / 17	64	51	0.06	53	46	0.06	42	40	0.06	34	34	0.14	28	28	0.29	
	1575	72 / 22	106	53	0.00	95	48	0.00	83	42	0.04	69	36	0.05	54	30	0.06	
		67 / 19	87	55	0.06	76	49	0.06	63	43	0.06	50	37	0.07	35	31	0.07	
		62 / 17	69	56	0.07	58	50	0.07	46	44	0.08	37	37	0.17	31	31	0.31	
FB4C 048	1400	72 / 22	88	46	0.00	79	42	0.00	69	37	0.03	58	31	0.04	45	26	0.05	
		67 / 19	72	48	0.05	63	43	0.05	52	37	0.05	41	32	0.05	29	27	0.06	
		62 / 17	57	49	0.06	48	43	0.06	38	38	0.06	30	30	0.14	25	25	0.29	
	1600	72 / 22	97	51	0.00	87	46	0.01	75	40	0.04	63	35	0.06	49	29	0.06	
		67 / 19	79	52	0.06	69	47	0.06	57	41	0.07	45	36	0.07	32	30	0.08	
		62 / 17	63	54	0.07	53	48	0.07	42	42	0.08	34	34	0.17	28	28	0.31	
	1800	72 / 22	105	55	0.00	94	50	0.03	82	44	0.06	68	38	0.07	54	31	0.07	
		67 / 19	86	57	0.07	75	51	0.08	62	45	0.08	49	39	0.08	34	33	0.09	
		62 / 17	68	59	0.08	57	53	0.08	45	47	0.09	37	37	0.19	30	30	0.33	
FB4C 060	1600	72 / 22	106	54	0.00	95	49	0.00	82	43	0.01	69	37	0.03	54	31	0.04	
		67 / 19	86	56	0.04	75	50	0.04	63	44	0.04	49	37	0.04	35	31	0.05	
		62 / 17	68	56	0.04	57	50	0.04	45	44	0.05	36	36	0.12	29	29	0.28	
	1750	72 / 22	113	58	0.00	101	52	0.00	88	46	0.02	74	39	0.04	58	33	0.04	
		67 / 19	92	59	0.04	80	53	0.05	67	47	0.05	53	40	0.05	37	33	0.05	
		62 / 17	73	61	0.05	61	54	0.05	49	48	0.06	39	39	0.13	32	32	0.28	
	2000	72 / 22	124	64	0.00	111	57	0.00	97	50	0.04	81	43	0.05	63	36	0.06	
		67 / 19	101	66	0.06	88	59	0.06	74	52	0.06	58	44	0.06	41	37	0.07	
		62 / 17	80	67	0.06	67	60	0.06	53	53	0.07	43	43	0.16	35	35	0.30	

CFM – Cubic Ft per Minute EWB – Entering Wet Bulb °F (°C) LWB – Leaving Wet Bulb °F (°C) TC – Gross Cooling Capacity 1000 Btuh
 SHC – Gross Sensible Capacity 1000 Btuh BF – Bypass Factor MBH – 1000 Btuh

116B
Legacy™ Line 16 Air Conditioner
with Puron® Refrigerant
1-1/2 to 5 Nominal Tons



Product Data



Bryant's Air Conditioners with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 116B has been designed utilizing Bryant's Puron refrigerant. The environmentally sound refrigerant allows you to make a responsible decision in the protection of the earth's ozone layer.

This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. Refer to the combination ratings in the Product Data for system combinations that meet Energy Star® guidelines.

NOTE: Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory (www.ahridirectory.org) for the most up-to-date ratings information.

INDUSTRY LEADING FEATURES / BENEFITS

Efficiency

- 14 - 16.5 SEER/11.0- 13.5 EER
- Microtube Technology™ refrigeration system
- Indoor air quality accessories available

Sound

- Sound level as low as 76 dBA
- Sound level as low as 74 dBA with accessory sound blanket

Comfort

- System supports Edge® Thermidistat™ or standard thermostat controls

Reliability

- Puron® refrigerant - environmentally sound, won't deplete the ozone layer and low lifetime service cost.
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- Filter drier
- Balanced refrigeration system for maximum reliability

Durability

DuraGuard™ protection package:

- Solid, durable sheet metal construction
- Dense wire coil guard standard
- Baked-on, complete outer coverage, powder paint

Applications

- Long-line - up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.38 m) evaporator above condenser (See Longline Guide for more information.)
- Low ambient (down to -20°F/-28.9°C) with accessory kit

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12	14
N	N	N	A	A/N	N	N	N	N	A/N	A/N	N	A
1	1	6	B	N	A	0	3	6	0	0	0	0
Product Family	Tier	SEER	Major Series	Voltage	Grille Variations	Cooling Capacity			Open	Open	Open	Series
1=AC	1= Legacy RNC	6=16 SEER	B=Puron	N= 208-230-1 or 208/230-1	A = Dense				0=Not Defined	0=Not Defined	0=Not Defined	



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow all manufacturing refrigerant charging and air flow instructions. Failure to confirm proper charge and air flow may reduce energy efficiency and shorten equipment life.

STANDARD FEATURES

Feature	018	024	030	036	042	048 / 049	060 / 061
Puron Refrigerant	X	X	X	X	X	X	X
Maximum SEER *	16.0	16.0	16.5	16.5	16.0	16.0	16.0
Scroll Compressor	X	X	X	X	X	X	X
Field Installed Filter Drier	X	X	X	X	X	X	X
Front Seating Service Valves	X	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X	X
Long Line capability	X	X	X	X	X	X	X
Low Ambient capability with Kit	X	X	X	X	X	X	X
Dense Grille	X	X	X	X	X	X	X

* With approved combinations
X = Standard

PHYSICAL DATA

UNIT SIZE - VOLTAGE, SERIES	018-B	024-A	030-A	036-A	042-A	048-B	049-A	060-A	061-A
Operating Weight lb (kg)	125 (56.7)	147 (66.5)	153 (69.3)	165 (74.8)	213 (96.4)	264 (119.7)	231 (104.8)	272 (123.4)	272 (123.4)
Shipping Weight lb (kg)	154 (69.9)	183 (82.8)	188 (85.2)	204 (92.5)	254 (115.2)	317 (143.8)	269 (222.0)	310 (140.6)	310 (140.6)
Compressor Type	Scroll								
REFRIGERANT	Puron® (R-410A)								
Control	TXV (Puron® Hard Shutoff)								
Charge lb (kg)	4.60 (2.09)	6.00 (2.72)	6.81 (3.09)	7.00 (3.18)	8.62 (3.91)	13.0 (5.90)	9.00 (4.08)	14.50 (6.58)	14.50 (6.58)
COND FAN	Propeller Type, Direct Drive								
Air Discharge	Vertical								Vertical
Air Qty (CFM)	1881	2614	2614	3223	3810	4046	4046	4046	4046
Motor HP	1/12	1/10	1/10	1/12	1/5	1/4	1/4	1/4	1/4
Motor RPM	1100	1100	1100	800	800	800	800	800	800
COND COIL									
Face Area (Sq ft)	11.50	15.10	17.20	17.60	25.15	25.15	25.15	30.15	30.15
Fins per In.	25	25	25	25	25	20	20	20	20
Rows	1	1	1	1	1	2	1	2	2
Circuits	3	4	4	4	6	7	7	8	8
VALVE CONNECT. (In. ID)									
Vapor	3/4	3/4	3/4	7/8	7/8	7/8	7/8	7/8	7/8
Liquid	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
REFRIGERANT TUBES (In. OD)									
Rated Vapor*	3/4			7/8				1-1/8	
Max Liquid Line †	3/8								

* Units are rated with 25 ft (7.6 m) of lineset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset.

Note: See unit Installation Instruction for proper installation.

† See Liquid Line Sizing For Cooling Only Systems with Puron Refrigerant tables.

REFRIGERANT PIPING LENGTH LIMITATIONS

Liquid Line Sizing and Maximum Total Equivalent Lengths† for Cooling Only Systems with Puron® Refrigerant:

The maximum allowable length of a residential split system depends on the liquid line diameter and vertical separation between indoor and outdoor units.

See Table below for liquid line sizing and maximum lengths :

**Maximum Total Equivalent Length
Outdoor Unit BELOW Indoor Unit**

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with Puron Refrigerant Maximum Total Equivalent Length†: Outdoor unit BELOW Indoor Vertical Separation ft (m)								
			0-5 (0-1.5)	6-10 (1.8-3.0)	11-20 (3.4-6.1)	21-30 (6.4-9.1)	31-40 (9.4-12.2)	41-50 (12.5-15.2)	51-60 (15.5-18.3)	61-70 (18.6-21.3)	71-80 (21.6-24.4)
18000 AC with Puron	3/8	1/4	150	150	125	100	100	75	--	--	--
		5/16	250*	250*	250*	250*	250*	250*	250*	225*	150
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
24000 AC with Puron	3/8	1/4	75	75	75	50	50	--	--	--	--
		5/16	250*	250*	250*	250*	250*	225*	175	125	100
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
30000 AC with Puron	3/8	1/4	30	--	--	--	--	--	--	--	--
		5/16	175	225*	200	175	125	100	75	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
36000 AC with Puron	3/8	5/16	175	150	150	100	100	100	75	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
42000 AC with Puron	3/8	5/16	125	100	100	75	75	50	--	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	150
48000 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	230	160	--
49000 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	230	160	--
60000 AC with Puron	3/8	3/8	250*	250*	250*	225*	190	150	110	--	--
61000 AC with Puron	3/8	3/8	250*	250*	250*	225*	190	150	110	--	--

* Maximum actual length not to exceed 200 ft (61 m)

† Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

-- = outside acceptable range

**Maximum Total Equivalent Length
Outdoor Unit ABOVE Indoor Unit**

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with Puron Refrigerant Maximum Total Equivalent Length†: Outdoor unit ABOVE Indoor Vertical Separation ft (m)							
			25 (7.6)	26-50 (7.9-15.2)	51-75 (15.5-22.9)	76-100 (23.2-30.5)	101-125 (30.8-38.1)	126-150 (38.4-45.7)	151-175 (46.0-53.3)	176-200 (53.6-61.0)
18000 AC with Puron	3/8	1/4	175	250*	250*	250*	250*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
24000 AC with Puron	3/8	1/4	100	125	175	200	225*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
30000 AC with Puron	3/8	1/4	30	--	--	--	--	--	--	--
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
36000 AC with Puron	3/8	5/16	225*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
42000 AC with Puron	3/8	5/16	175	200	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
48000 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*
49000 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*
60000 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*
61000 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*

* Maximum actual length not to exceed 200 ft (61 m)

† Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

-- = outside acceptable range

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ELECTRICAL DATA

UNIT SIZE	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE† 60° C	MIN WIRE SIZE† 75° C	MAX LENGTH ft. (m)‡ 60° C	MAX LENGTH ft. (m)‡ 75° C	MAX FUSE** or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA						
018-B	208/230/1-60	253	197	48.0	9.0	0.50	11.8	14	14	67 (20.4)	64 (19.5)	20
024-A				58.3	13.5	0.75	17.7	14	14	46 (14.0)	43 (13.1)	25
030-A				64.0	12.8	0.75	16.8	14	14	44 (13.4)	41 (12.5)	25
036-A				77.0	14.1	0.50	18.1	12	12	57 (17.4)	54 (16.5)	30
042-A				112.0	17.9	1.20	23.6	10	10	85 (25.9)	81 (24.7)	40
048-B				109.0	19.9	1.20	26.1	10	10	70 (21.3)	67 (20.4)	40
049-A				117.0	21.8	1.20	26.1	10	10	70 (21.3)	67 (20.4)	40
060-A				135.0	21.4	1.20	28.0	8	10	91 (27.7)	56 (17.1)	40
061-A				134.0	25.0	1.20	32.5	8	10	94 (28.7)	58 (17.7)	50

* Permissible limits of the voltage range at which the unit will operate satisfactorily

† If wire is applied at ambient greater than 30°C, consult table 310-16 of the NEC (NFPA 70). The ampacity of non-metallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C conditions, per the NEC (NFPA 70) Article 334-80. If other than uncoated (no-plated), 60 or 75°C insulation, copper wire (solid wire for 10 AWG or smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (NFPA 70).

‡ Length shown is as measured one way along wire path between unit and service panel for voltage drop not to exceed 2%.

** Time-Delay fuse.

FLA - Full Load Amps

LRA - Locked Rotor Amps

MCA - Minimum Circuit Amps

RLA - Rated Load Amps

NOTE: Control circuit is 24-V on all units and requires external power source. Copper wire must be used from service disconnect to unit.

All motors/compressors contain internal overload protection.

Complies with 2007 requirements of ASHRAE Standards 90.1

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A-WEIGHTED SOUND POWER LEVEL (dBA)

Unit Size - Voltage, Series	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA without tone adjustment)						
		125	250	500	1000	2000	4000	8000
0018-B	76	52.5	59.0	65.5	70.5	64.5	59.0	54.5
0024-A	76	57.5	64.0	69.0	71.0	69.0	64.5	60.0
0030-A	76	55.0	63.5	68.0	69.5	67.0	63.5	58.5
0036-A	76	50.5	59.5	64.5	70.5	62.0	59.5	54.5
0042-A	78	52.5	62.0	66.0	73.5	68.0	62.0	55.5
0048-B	78	57.5	61.5	66.0	70.5	65.5	59.5	53.5
0049-A	78	51.5	62.0	67.5	73.5	69.0	64.5	62.0
0060-A	78	55.0	62.5	67.5	70.5	65.0	61.0	53.5
0061-A	78	56.5	63.0	65.5	69.0	67.0	61.5	56.0

NOTE: Tested in accordance with AHRI Standard 270-08 (not listed in AHRI).

A-WEIGHTED SOUND POWER LEVEL (dBA) WITH SOUND SHIELD

Unit Size - Voltage, Series	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA without tone adjustment)						
		125	250	500	1000	2000	4000	8000
0018-B	74	55.5	59.0	65.0	68.5	63.5	58.0	52.0
0024-A	75	58.0	64.0	69.0	70.5	68.5	64.5	59.5
0030-A	75	55.5	63.0	68.0	69.0	67.0	63.0	58.5
0036-A	74	51.5	58.5	62.0	65.0	61.0	58.0	52.0
0042-A	76	53.0	62.0	65.5	72.0	65.0	61.0	54.0
0048-B	76	58.5	61.5	66.0	69.0	64.0	58.5	51.0
0049-A	76	53.0	61.5	67.5	72.0	68.0	61.5	59.0
0060-A	75	56.5	62.5	66.5	68.0	63.0	59.5	51.5
0061-A	75	57.0	63.0	65.5	67.0	65.5	59.0	52.5

NOTE: Tested in accordance with AHRI Standard 270-08 (not listed in AHRI).

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE - VOLTAGE, SERIES	REQUIRED SUBCOOLING °F (°C)
018-B	10 (5.6)
024-A	10 (5.6)
030-A	10 (5.6)
036-A	10 (5.6)
042-A	9 (5.0)
048-B	10 (5.6)
049-A	8 (4.4)
060-A	9 (5.0)
061-A	9 (5.0)

CONDENSER ONLY RATINGS

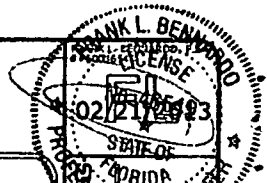
SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)							
		55 (12.78)	65 (18.33)	75 (23.89)	85 (29.44)	95 (35.0)	105 (40.56)	115 (46.11)	125 (51.67)
116BNA018****B									
30 (-1.11)	TCG	15.70	14.90	14.10	13.20	12.30	11.30	10.20	9.20
	SDT	66.60	76.20	85.80	95.30	104.80	114.30	123.70	133.10
	KW	0.75	0.87	0.99	1.12	1.26	1.41	1.60	1.81
35 (1.67)	TCG	17.50	16.60	15.70	14.70	13.70	12.60	11.50	10.30
	SDT	67.80	77.30	86.80	96.30	105.70	115.10	124.40	133.80
	KW	0.75	0.87	0.99	1.12	1.26	1.42	1.60	1.81
40 (4.44)	TCG	19.40	18.40	17.40	16.30	15.20	14.00	12.80	11.50
	SDT	69.00	78.50	87.90	97.30	106.60	115.90	125.20	134.50
	KW	0.74	0.87	0.99	1.12	1.26	1.42	1.60	1.81
45 (7.22)	TCG	21.50	20.30	19.20	18.00	16.70	15.50	14.10	12.80
	SDT	70.40	79.70	89.00	98.30	107.60	116.90	126.10	135.30
	KW	0.74	0.86	0.99	1.13	1.27	1.43	1.61	1.82
50 (10.0)	TCG	23.60	22.40	21.10	19.70	18.40	17.00	15.60	14.10
	SDT	71.60	80.90	90.10	99.40	108.60	117.80	127.00	136.20
	KW	0.73	0.86	1.00	1.13	1.28	1.44	1.62	1.82
55 (12.78)	TCG	25.90	24.50	23.10	21.60	20.10	18.60	17.10	15.50
	SDT	73.00	82.10	91.30	100.50	109.70	118.80	128.00	137.10
	KW	0.73	0.86	1.00	1.14	1.29	1.45	1.63	1.84
116BNA024****A									
30 (-1.11)	TCG	20.30	19.40	18.30	17.20	16.10	14.80	13.60	12.20
	SDT	66.10	75.80	85.30	94.90	104.40	114.00	123.40	132.80
	KW	1.00	1.15	1.30	1.47	1.65	1.85	2.09	2.36
35 (1.67)	TCG	22.60	21.40	20.30	19.10	17.80	16.50	15.10	13.60
	SDT	67.20	76.80	86.30	95.80	105.30	114.70	124.10	133.50
	KW	0.99	1.14	1.30	1.47	1.65	1.86	2.09	2.36
40 (4.44)	TCG	24.90	23.70	22.40	21.00	19.60	18.20	16.70	15.10
	SDT	68.40	77.90	87.30	96.70	106.10	115.50	124.80	134.10
	KW	0.98	1.14	1.30	1.47	1.66	1.86	2.09	2.36
45 (7.22)	TCG	27.40	26.00	24.60	23.10	21.60	20.10	18.40	16.70
	SDT	69.60	79.00	88.30	97.70	107.00	116.30	125.60	134.90
	KW	0.97	1.14	1.30	1.48	1.66	1.87	2.10	2.37
50 (10.0)	TCG	30.10	28.60	27.00	25.40	23.70	22.00	20.20	18.40
	SDT	70.80	80.10	89.40	98.70	107.90	117.20	126.40	135.60
	KW	0.96	1.13	1.30	1.48	1.67	1.88	2.11	2.37
55 (12.78)	TCG	33.00	31.30	29.50	27.70	25.90	24.10	22.10	20.20
	SDT	72.10	81.30	90.50	99.70	108.90	118.10	127.30	136.40
	KW	0.95	1.13	1.31	1.49	1.68	1.89	2.12	2.39
116BNA030****A									
30 (-1.11)	TCG	24.90	23.50	22.20	20.80	19.40	17.90	16.20	14.40
	SDT	68.10	77.50	87.00	96.40	105.80	115.10	124.40	133.60
	KW	1.27	1.43	1.60	1.78	1.99	2.23	2.50	2.81
35 (1.67)	TCG	27.50	26.00	24.50	23.10	21.50	19.90	18.10	16.20
	SDT	69.40	78.70	88.10	97.40	106.70	116.00	125.30	134.40
	KW	1.28	1.44	1.61	1.79	2.00	2.24	2.51	2.82
40 (4.44)	TCG	30.30	28.60	27.10	25.50	23.80	22.00	20.10	18.10
	SDT	70.70	79.90	89.20	98.50	107.70	117.00	126.20	135.30
	KW	1.29	1.44	1.61	1.80	2.01	2.25	2.52	2.83
45 (7.22)	TCG	33.30	31.50	29.80	28.00	26.20	24.30	22.30	20.10
	SDT	72.00	81.20	90.40	99.60	108.80	118.00	127.20	136.30
	KW	1.29	1.44	1.61	1.80	2.01	2.26	2.53	2.85
50 (10.0)	TCG	36.50	34.50	32.60	30.70	28.80	26.70	24.50	22.20
	SDT	73.50	82.50	91.70	100.80	110.00	119.20	128.20	137.20
	KW	1.29	1.44	1.61	1.80	2.02	2.26	2.54	2.86
55 (12.78)	TCG	39.90	37.80	35.70	33.60	31.50	29.30	26.90	24.40
	SDT	75.00	84.00	93.00	102.10	111.20	120.30	129.30	138.20
	KW	1.29	1.44	1.61	1.80	2.02	2.27	2.54	2.86

See notes on page 20

116B

BMP INTERNATIONAL, INC.

MECHANICAL UNIT STEEL TIE-DOWN CLIP CAPACITIES: AT GRADE & ROOF-TOP MOUNTED APPLICATIONS



ENGINEERING EXPRESS
 160 SW 12th Avenue, Suite 100
 Deerfield Beach, FL 33441
 PH: (754) 554-0560 FAX: (754) 554-0560
 WWW.ENGINEER.COM
 CORP. MEMBER OF THE BENCHMARK GROUP

BMP INTERNATIONAL, INC.
 6740 28th Street North
 St. Petersburg, FL 33471
 PH: (727) 577-1613

REVISIONS	DATE	BY	CHKD	DATE	REASON

COMPILED BY FRANK L. BENWARD, P.E.
11-BMP-0001
 SCALE: N.T.S. 1/4"
 PART DESCRIPTION:

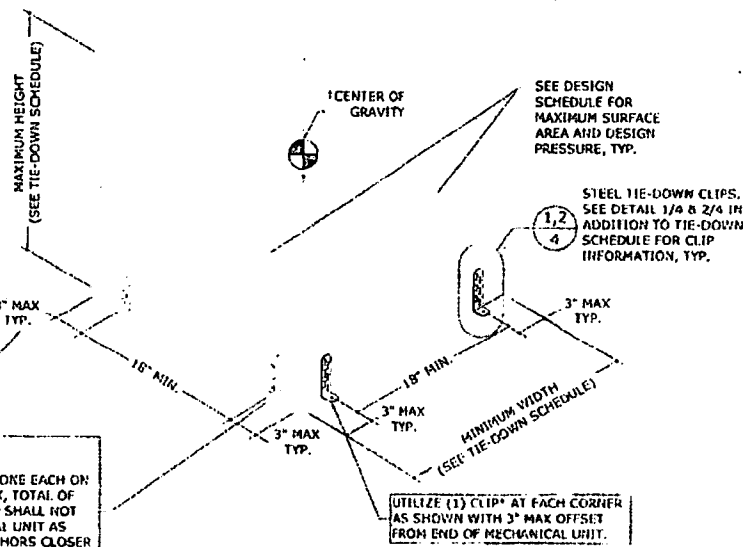
1 4

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2010 FLORIDA BUILDING CODE FOR USE WITH ASCE 7-10. THIS PRODUCT MAY BE USED WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
- DESIGN IS BASED ON CLIENT PROVIDED PRODUCT AND DIE SHEETS FROM TEST REPORTS #TEL 01970387A, #TEL 01970387B, BY TESTING EVALUATION LABORATORIES, INC.. NO SUBSTITUTIONS WITHOUT WRITTEN APPROVAL BY THIS ENGINEER SHALL BE PERMITTED.
- ALLOWABLE DESIGN PRESSURES TO QUALIFY CAPACITY OF CLIPS AS LISTED HEREIN ARE DETERMINED THROUGH TESTING REPORT DATA AND RATIONALLY CHECKED FOR CONSISTENCY WITH EACH TEST PERFORMED.
- REQUIRED LATERAL AND/OR UPLIFT DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A SITE-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
- MAXIMUM & MINIMUM DIMENSIONS AND MINIMUM WEIGHT OF MECHANICAL UNIT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- FASTENERS TO BE #12 X 1/2" OR GREATER SAE GRADE 5 UNLESS NOTED OTHERWISE. FASTENERS REFERRED TO HEREIN SHALL BE ITW BULDEX BRAND, CARBON STEEL ONLY, INSTALLED TO 3192 KSI MIN CONCRETE. SEE ANCHOR SCHEDULE FOR ANCHOR REQUIREMENTS. ALL FASTENERS SHALL HAVE APPROPRIATE CORROSION PROTECTION TO PREVENT ELECTROLYSIS.
- ALL STEEL CLIPS SHALL BE ASTM A203 STEEL (GRADE D) WITH Fy = 33 KSI OR BETTER. ALL STEEL MEMBERS SHALL BE PROTECTED AGAINST CORROSION WITH AN APPROVED COAT OF PAINT, ENAMEL OR OTHER APPROVED PROTECTION IN ACCORDANCE WITH THE 2010 FBC SECTIONS 2203.2 AND 2220. G90-RATED COATING REQUIRED FOR ALL COASTAL INSTALLATIONS.
- ALL CONCRETE SPECIFIED HEREIN IS NOT PART OF THIS CERTIFICATION. AS A MINIMUM, ALL CONCRETE SHALL BE STRUCTURAL CONCRETE 4" MIN. THICK AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3192 PSI, UNLESS NOTED OTHERWISE.
- ALL WOOD MEMBERS SHALL BE PRESSURE TREATED SOUTHERN YELLOW PINE GRADE #2 WITH SPECIFIC GRAVITY G = 0.55 OR GREATER. DIRECT CONNECTION TO WOOD MEMBERS/SLEEPERS IS NOT PERMITTED FOR ROOF-TOP APPLICATIONS PER FBC SECTION 1522.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS, I.E. ALUMINUM PER F.B.C. 2003 8.4.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
- THE ADEQUACY OF ANY EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS SHALL BE VERIFIED BY THE ON-SITE DESIGN PROFESSIONAL AND IS NOT INCLUDED IN THIS CERTIFICATION. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- THE SYSTEM DETAIL HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- WATER-TIGHTNESS OF EXISTING HOST SUBSTRATE SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR. CONTRACTOR SHALL ENSURE THAT ANY REMOVED OR ALTERED WATERPROOFING MEMBRANE IS RESTORED AFTER FABRICATION AND INSTALLATION OF STRUCTURE PROPOSED HEREIN. THIS ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY WATERPROOFING OR LEAKAGE ISSUES WHICH MAY OCCUR AS WATER-TIGHTNESS SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR.

CENTER OF GRAVITY ASSUMED TO ACT AT THE GEOMETRIC CENTER OF THE MECHANICAL UNIT. MECHANICAL UNIT MUST BE SQUARE OR RECTANGULAR, NO IRREGULAR SHAPES.

150 LB MIN. WEIGHT, MECHANICAL UNIT PER SEPARATE CERTIFICATION, TYP.



SEE DESIGN SCHEDULE FOR MAXIMUM SURFACE AREA AND DESIGN PRESSURE, TYP.

STEEL TIE-DOWN CLIPS. SEE DETAIL 1/A & 2/A IN ADDITION TO TIE-DOWN SCHEDULE FOR CLIP INFORMATION, TYP.

UTILIZE (1) CLIP* AT EACH CORNER AS SHOWN WITH 3\"/>

MECHANICAL UNIT TIE-DOWN ISOMETRIC
 ISOMETRIC
 1" x 1'-0"

*FOR CLARITY, THIS ISOMETRIC ONLY SHOWS 1\"/>

HOST STRUCTURE DESIGN BY OTHERS. SEE TIE-DOWN SCHEDULES FOR ALLOWABLE SUBSTRATES. NOTE: WOOD MEMBERS MAY NOT BE USED FOR ROOF-TOP APPLICATIONS PER FBC 1522.

DOUBLE CLIP OPTION:

(2) TOTAL CLIPS MAY BE USED AT EACH CORNER (ONE EACH OPPOSING CORNER FACES, 3\"/>

TIE-DOWN CLIP DIRECTIVE EXAMPLE

(THE FOLLOWING EXAMPLE ILLUSTRATES THE PROCEDURE USED TO DETERMINE THE MAXIMUM ALLOWABLE WIND PRESSURE FOR ANY GIVEN MECHANICAL UNIT THAT CONFORMS TO THE DIMENSION RESTRICTIONS LISTED HEREIN. SEE SHEETS 2&3 FOR TIE-DOWN SCHEDULES.)

MECHANICAL UNIT CRITERIA:

CONSIDER THE INSTALLATION OF (1) MECHANICAL UNIT WITH THE FOLLOWING CRITERIA- 35\"/>

PROCEDURE:

PROCEDURE STEP	RESULT
1. LOCATE THE AT GRADE TIE-DOWN SCHEDULE ON SHEET 2 AND SELECT CLIP TYPE	CONSIDER 1\"/>
2. DETERMINE LARGEST FACE AREA OF MECHANICAL UNIT TO BE INSTALLED	36\"/>
3. CHECK MAXIMUM UNIT HEIGHT RESTRICTION	UNIT HEIGHT IS 36\"/>
4. CHECK MINIMUM UNIT WIDTH RESTRICTION	UNIT WIDTH IS 24\"/>
5. DETERMINE THE NUMBER OF CLIPS TO BE USED AT EACH CORNER OF THE MECHANICAL UNIT	CONSIDER (1) CLIP AT EACH CORNER, INSTALLED TO CONCRETE SUBSTRATE.

CONCLUSION: MAXIMUM ALLOWABLE LATERAL DESIGN PRESSURE= **80PSI**

(COMPARE THIS VALUE TO THE SEPARATE SITE SPECIFIC REQUIRED DESIGN WIND PRESSURE PROVIDED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT; NOT INCLUDED IN THIS CERTIFICATION)

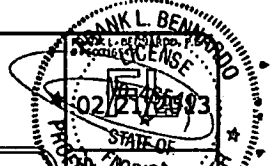
DESIGN PRESSURE EXAMPLE SCENARIO

SEE SHEET 4 FOR A SITE-SPECIFIC DESIGN PRESSURE EXAMPLE & ACCOMPANYING UNIT CONFIGURATIONS WITH TIE-DOWN CLIP REQUIREMENTS.

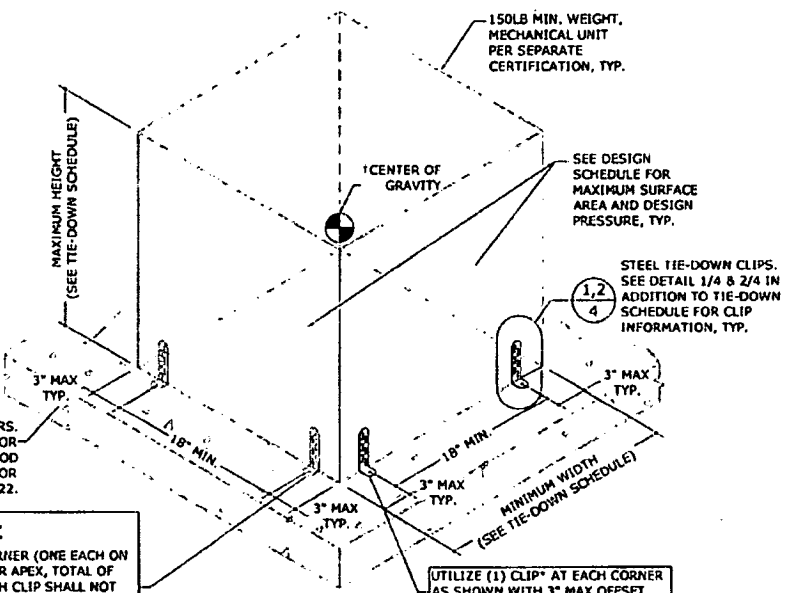
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BMP INTERNATIONAL, INC.

MECHANICAL UNIT STEEL TIE-DOWN CLIP CAPACITIES: AT GRADE & ROOF-TOP MOUNTED APPLICATIONS



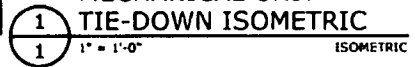
CENTER OF GRAVITY ASSUMED TO ACT AT THE GEOMETRIC CENTER OF THE MECHANICAL UNIT. MECHANICAL UNIT MUST BE SQUARE OR RECTANGULAR, NO IRREGULAR SHAPES.



HOST STRUCTURE DESIGN BY OTHERS. SEE TIE-DOWN SCHEDULES FOR ALLOWABLE SUBSTRATES. NOTE: WOOD MEMBERS MAY NOT BE USED FOR ROOF-TOP APPLICATIONS PER FBC 1522.

DOUBLE CLIP OPTION:

(2) TOTAL CLIPS MAY BE USED AT EACH CORNER (ONE EACH ON OPPOSING CORNER FACES, 3" FROM CORNER APEX, TOTAL OF (8) CLIPS PER UNIT FOR THIS OPTION). EACH CLIP SHALL NOT EXCEED 3" MAX OFFSET FROM END OF MECHANICAL UNIT AS DETAILED HEREIN. DO NOT SPACE CONCRETE ANCHORS CLOSER THAN THE ALLOWED SPACING LISTED IN THE TIE-DOWN ANCHOR SCHEDULES. SEE SHEETS 283 FOR MORE INFORMATION.



*FOR CLARITY, THIS ISOMETRIC ONLY SHOWS 1" CLIPS. THE ISOMETRIC LAYOUT IS TYPICAL FOR BOTH 1" AND 2" CLIP APPLICATIONS.

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2010 FLORIDA BUILDING CODE FOR USE WITH ASCE 7-10. THIS PRODUCT MAY BE USED WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
- DESIGN IS BASED ON CLIENT PROVIDED PRODUCT AND DIE SHEETS FROM TEST REPORTS #TEL 01970387A, #TEL 01970387B BY TESTING EVALUATION LABORATORIES, INC.. NO SUBSTITUTIONS WITHOUT WRITTEN APPROVAL BY THIS ENGINEER SHALL BE PERMITTED.
- ALLOWABLE DESIGN PRESSURES TO QUALIFY CAPACITY OF CLIPS AS LISTED HEREIN ARE DETERMINED THROUGH TESTING REPORT DATA AND RATIONALLY CHECKED FOR CONSISTENCY WITH EACH TEST PERFORMED.
- REQUIRED LATERAL AND/OR UPLIFT DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A SITE-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
- MAXIMUM & MINIMUM DIMENSIONS AND MINIMUM WEIGHT OF MECHANICAL UNIT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- FASTENERS TO BE #12 X 3/4" OR GREATER S&G GRADE 5 UNLESS NOTED OTHERWISE. TAPCONS REFERRED TO HEREIN SHALL BE ITW BUILDEX BRAND, CARBON STEEL ONLY, INSTALLED TO 3192 KSI MIN CONCRETE. SEE ANCHOR SCHEDULE FOR ANCHOR REQUIREMENTS. ALL FASTENERS SHALL HAVE APPROPRIATE CORROSION PROTECTION TO PREVENT ELECTROLYSIS.
- ALL STEEL CLIPS SHALL BE ASTM A283 STEEL (GRADE D) WITH Fy = 33 KSI OR BETTER. ALL STEEL MEMBERS SHALL BE PROTECTED AGAINST CORROSION WITH AN APPROVED COAT OF PAINT, ENAMEL OR OTHER APPROVED PROTECTION IN ACCORDANCE WITH THE 2010 FBC SECTIONS 2203.7 AND 2220. G90-RATED COATING REQUIRED FOR ALL COASTAL INSTALLATIONS.
- ALL CONCRETE SPECIFIED HEREIN IS NOT PART OF THIS CERTIFICATION. AS A MINIMUM, ALL CONCRETE SHALL BE STRUCTURAL CONCRETE 4" MIN. THICK AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3192 PSI, UNLESS NOTED OTHERWISE.
- ALL WOOD MEMBERS SHALL BE PRESSURE TREATED SOUTHERN YELLOW PINE GRADE #2 WITH SPECIFIC GRAVITY G = 0.55 OR GREATER. DIRECT CONNECTION TO WOOD MEMBERS/SLEEPERS IS NOT PERMITTED FOR ROOF-TOP APPLICATIONS PER FBC SECTION 1522.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS, I.E. ALUMINUM PER F.B.C. 2003.8.4.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
- THE ADEQUACY OF ANY EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS SHALL BE VERIFIED BY THE ONSITE DESIGN PROFESSIONAL AND IS NOT INCLUDED IN THIS CERTIFICATION. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- WATER-TIGHTNESS OF EXISTING HOST SUBSTRATE SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR. CONTRACTOR SHALL ENSURE THAT ANY REMOVED OR ALTERED WATERPROOFING MEMBRANE IS RESTORED AFTER FABRICATION AND INSTALLATION OF STRUCTURE PROPOSED HEREIN. THIS ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY WATERPROOFING OR LEAKAGE ISSUES WHICH MAY OCCUR AS WATER-TIGHTNESS SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR.

BMP INTERNATIONAL, INC.
4710 28TH STREET NORTH
ST. PETERSBURG, FL 33471
PH: (727) 577-1613

MECHANICAL UNIT STEEL TIE-DOWN CLIPS
FLORIDA STATEWIDE APPROVAL

TIE-DOWN CLIP DIRECTIVE EXAMPLE

(THE FOLLOWING EXAMPLE ILLUSTRATES THE PROCEDURE USED TO DETERMINE THE MAXIMUM ALLOWABLE WIND PRESSURE FOR ANY GIVEN MECHANICAL UNIT THAT CONFORMS TO THE DIMENSION RESTRICTIONS LISTED HEREIN. SEE SHEETS 283 FOR TIE-DOWN SCHEDULES.)

MECHANICAL UNIT CRITERIA:
CONSIDER THE INSTALLATION OF (1) MECHANICAL UNIT WITH THE FOLLOWING CRITERIA=
36" TALL x 36" DEEP x 24" WIDE, 150 LB WEIGHT AS VERIFIED BY OTHERS, INSTALLED TO 3192 KSI MIN. CONCRETE AT GRADE AS VERIFIED BY OTHERS.

PROCEDURE:

PROCEDURE STEP	RESULT
1 LOCATE THE AT GRADE TIE-DOWN SCHEDULE ON SHEET 2 AND SELECT CLIP TYPE	CONSIDER 1" STEEL CLIP
2 DETERMINE LARGEST FACE AREA OF MECHANICAL UNIT TO BE INSTALLED	36"x36"=9FT ²
3 CHECK MAXIMUM UNIT HEIGHT RESTRICTION	UNIT HEIGHT IS 36" WHICH IS LESS THAN THE MAXIMUM ALLOWABLE HEIGHT OF 48"
4 CHECK MINIMUM UNIT WIDTH RESTRICTION	UNIT WIDTH IS 24" WHICH IS EQUIVALENT TO THE MINIMUM ALLOWABLE WIDTH OF 24"
5 DETERMINE THE NUMBER OF CLIPS TO BE USED AT EACH CORNER OF THE MECHANICAL UNIT	CONSIDER (1) CLIP AT EACH CORNER, INSTALLED TO CONCRETE SUBSTRATE

CONCLUSION: MAXIMUM ALLOWABLE LATERAL DESIGN PRESSURE = **40PSF**
(COMPARE THIS VALUE TO THE SEPARATE SITE SPECIFIC REQUIRED DESIGN WIND PRESSURE PROVIDED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT; NOT INCLUDED IN THIS CERTIFICATION)

DESIGN PRESSURE EXAMPLE SCENARIO

SEE SHEET 4 FOR A SITE-SPECIFIC DESIGN PRESSURE EXAMPLE & ACCOMPANYING UNIT CONFIGURATIONS WITH TIE-DOWN CLIP REQUIREMENTS.

REVISION	DATE	BY	CHKD	TRSD

11-BMP-0001
SCALE: N.T.S. 04
PAGE DESCRIPTION

1

02/21/2013 10:05am C:\Users\frankl\Documents\BMP\11-BMP-0001\11-BMP-0001.dwg User: FrankL Bernard Date: 02/21/2013 Time: 10:05am

TOWN OF SEWALL'S POINT

Building Department – Inspection Log

Date of Inspection Mon Tue Wed Thur Fri 10/7/14 Page 1 of

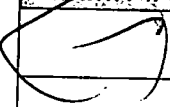
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11012	Schmidt	final		
8:30	8 Oakhill DS A/C	Mechanical	FAIL	
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11013	Hynemann 4 Michael Rd Gribben Const	Slab	PASS	INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
10866	Ihle 121 Hillcrest Dr GLG Homes	Gas Final	PASS	INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
10848	Gerhardt 14 S. SPR Scott Holmes Builders	Final Addition	PASS	CLOSE INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11008	Castro 22 S. SPR Gulfstream	Final Fence	FAIL	- WORK POST @ GATE - STAIR RAILING? INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
10849	Gould 48 S SPR Kareem Haddad	Final Outdoor Kitchen	FAIL	NOO READY INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
10935	Haramis 172 S River Rd J Conroy	Roof Sheathing Truss Engineering	PASS	INSPECTOR <i>[Signature]</i>

PAUL STEEL/BOND HENONS NEST

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection Mon Tue Wed Thur Fri 10/15/14 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
10781	Schepis	Garage		
Am Inspection	18 Castle Hill Way	Door	Pass	CLOSE
	Amer. Palm Beach Garage	Final		
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	INSPECTOR COMMENTS
11012	Schmidt	Final		
Am Inspection	8 Oak Hill Way	Mechanical	CANCEL	
	DS A/C			
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	INSPECTOR COMMENTS
10838	Weston	Pool Final		
	30 S SPR	Temp Electrical	Pass	CLOSE
	Hamilton Custom Pools	Pole has been removed		
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	INSPECTOR COMMENTS
10849	Gould	Final		
	48 S SPR	Outdoor kitchen	Pass	CLOSE
	Kareem Haddad			
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	INSPECTOR COMMENTS
10973	Conch Property	Slab		
	19 Lantana Lane		Pass	
	Conch Property			
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	INSPECTOR COMMENTS
	MORAN	PRE POUR		FEMA PROTECT
	2 PALM RD	DRIVEWAY	Pass	
	BROWNIE CAMP			
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	INSPECTOR COMMENTS
				INSPECTOR

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection Mon Tue Wed Thur Fri 12/16/14 Page 1 of 2

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
10710	Darrow 7 Oak Hill Way Homes by JmC	Final CO.	Fail	NOO READY
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	INSPECTOR COMMENTS
11012	Schmidt 802 111 1034	Final Mechanical	Fail	Fail
Am Requested	DS Air Conditioning			
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	INSPECTOR COMMENTS
10694	Wescott 53 N River Rd San George	Frame, All Trades, Lath and Insulation	Pass	
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	INSPECTOR COMMENTS
11078	Guisenberry 54 S Sewall's Pt Rd John O'Connell	Lumber for Salvage	OK	
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	INSPECTOR COMMENTS
11107	Smierka 1 Riverview Drive JA Taylor	Final Roof	Pass	Close
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	INSPECTOR COMMENTS
11115	Hurd 35 N Sewall's Pt Rd Coastal Sea wall	Filter Fabric	CRACK SEAWALL (NEW)	Permit?
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	INSPECTOR COMMENTS
10945	Carter 51 N River Rd Masterpiece	All Trades	Pass	Pass
Pm Requested				INSPECTOR

TOWN OF SEWALL'S POINT, FLORIDA

Date JANUARY 14 ~~19~~ 2004

TREE REMOVAL PERMIT No 2179

APPLIED FOR BY _____
Owner GILL (Contractor or Owner)
8 OAK HILL WAY

Sub-division _____, Lot _____, Block _____

Kind of Trees _____
No. Of Trees: REMOVE 5 4 AUSTRALIAN + 1 SAND PINE

No. Of Trees: RELOCATE _____ WITHIN 30 DAYS (NO FEE)

No. Of Trees: REPLACE _____ WITHIN 30 DAYS

REMARKS _____

Signed, _____ Applicant
Signed, Gene Simmons (200) FEE \$ 0
Building Official
Town Clerk

Call 202-...
WORK HOURS 8:00 A.M. - 5:00 P.M.

Inspection
BY WORK.

TOWN OF SEWALL'S POINT

TREE REMOVAL PERMIT

RE: ORDINANCE 103

[Empty grid area for drawing or site plan]

PROJECT DESCRIPTION _____

REMARKS _____

TOWN OF SEWALL'S POINT, FLORIDA

Date August 2 2004 TREE REMOVAL PERMIT No 2326

APPLIED FOR BY Gene (Contractor or Owner)

Owner 8 OAK HILL WAY

Sub-division _____, Lot _____, Block _____

Kind of Trees _____

No. Of Trees: REMOVE 6 1 HIGH BISCUIT, 1 BUTTERFLY, 4 VINES

No. Of Trees: RELOCATE _____ WITHIN 30 DAYS (NO FEE)

No. Of Trees: REPLACE _____ WITHIN 30 DAYS

REMARKS _____

_____ FEE \$ 0

Signed, _____ Applicant Signed Gene Summers Town Clerk

Building Official

TOWN OF SEWALL'S POINT

Call 287-2455 - 8:00 A.M.-12:00 Noon for Inspection
WORK HOURS 8:00 A.M. - 5:00 P.M. - NO SUNDAY WORK.

TREE REMOVAL PERMIT

RE: ORDINANCE 103

[Large empty rectangular box for drawing or site plan]

PROJECT DESCRIPTION _____

REMARKS _____

**TOWN OF SEWALL'S POINT
APPLICATION FOR TREE REMOVAL, RELOCATION, REPLACEMENT**

Tree Defined: Any self-supporting, woody plant which normally grows to an overall height of at least fifteen (15) feet in the vicinity of the town. Replant and landscape trees shall be considered a tree.

No permit required for:

1. Trimming of trees unless it effectively removes it, meaning trimming or pruning to the extent that a plant's natural function is severely altered.
2. Trees with a diameter of less than one inch.

Permit Fee:

1. Tree permits are \$15.00, payable in advance.
2. No permit fee needed for tree which is dead, diseased, injured, hazardous to life or property, or a prohibited species. Prohibitive species include Earleaf Acacia, Woman's Tongue, Norfolk Island Pine, Bischofia, Schefflera, Ear Tree, Eucalyptus, Non-Native Ficus, Silk Oak, Chinese Tallow Tree, Java Plum, Chinaberry, Brazilian Peppers, Australian Pine, and Melaleuca and must be removed before construction begins on new single family residence (S.F.R.).

No removal permits will be issued for native species trees: Black Ironwood, Black Mangrove, Blolly, Buttonwood, Cabbage Palm, Cocoplum (red tip and green tip), Coral Bean, Deer Moss, Gray Twig, Gopher Apple, Gumbo Limbo, Inkwood, Laurel Oak, Leather Fern, Live Oak, Mahogany, Marlberrry, Mastic, Mulberry, Myrtle Oak, Paradise Tree, Pigeon Plum, Pond Apple, Prickly Pear, Red Mangrove, Red Maple, Red bay, Saffron Plum, Sand Pine, Scrub Pine, Satinleaf, Saw Palmetto, Scrub Hickory, Sea Grape, Sea Oxeye, Slash Pine, Stoppers, Wild Lime, Sumac (southern), Sugar Berry (Hackberry), Torchwood, Wild Coffee, Varnish Leaf, Water Oak, Wax Myrtle, West Indian Cherry White Mangrove

Application procedures:

1. Fill out application information below to include:
 - a. applicant information
 - b. written statement giving reasons for removal, relocation, or replacement if necessary
 - c. for a new S.F.R., a site plan which shall include the dimensional location on a survey, scale drawing or aerial photograph, superimposed with lot lines of scale, of all existing or proposed structures, improvements and site uses, location of affected trees identified with an estimated size and number, etc.
 - d. for an existing residence, a drawing of house with location of trees to be removed, relocated can be submitted in lieu of site plan.
- 2. Place identification tape or ribbon on each tree for clarity to inspector if necessary.
3. Inspector will visit site and review application and pass, fail or revise.
4. Permit must be picked up and on site prior to work proceeding.
5. Permits expire if work does not begin within 3 months and if activity is interrupted over 45 days.

Owner Marybeth Gill Address # 8 Oak Hill Way Phone _____

Contractor Tropical Palms Address PO Box 2104 Phone 781-2979

No. of Trees: REMOVE 1 Type: High biscuit, 1 butterfly tree, 4 vines

No. of Trees: RELOCATE _____ WITHIN 30 DAYS Type: _____

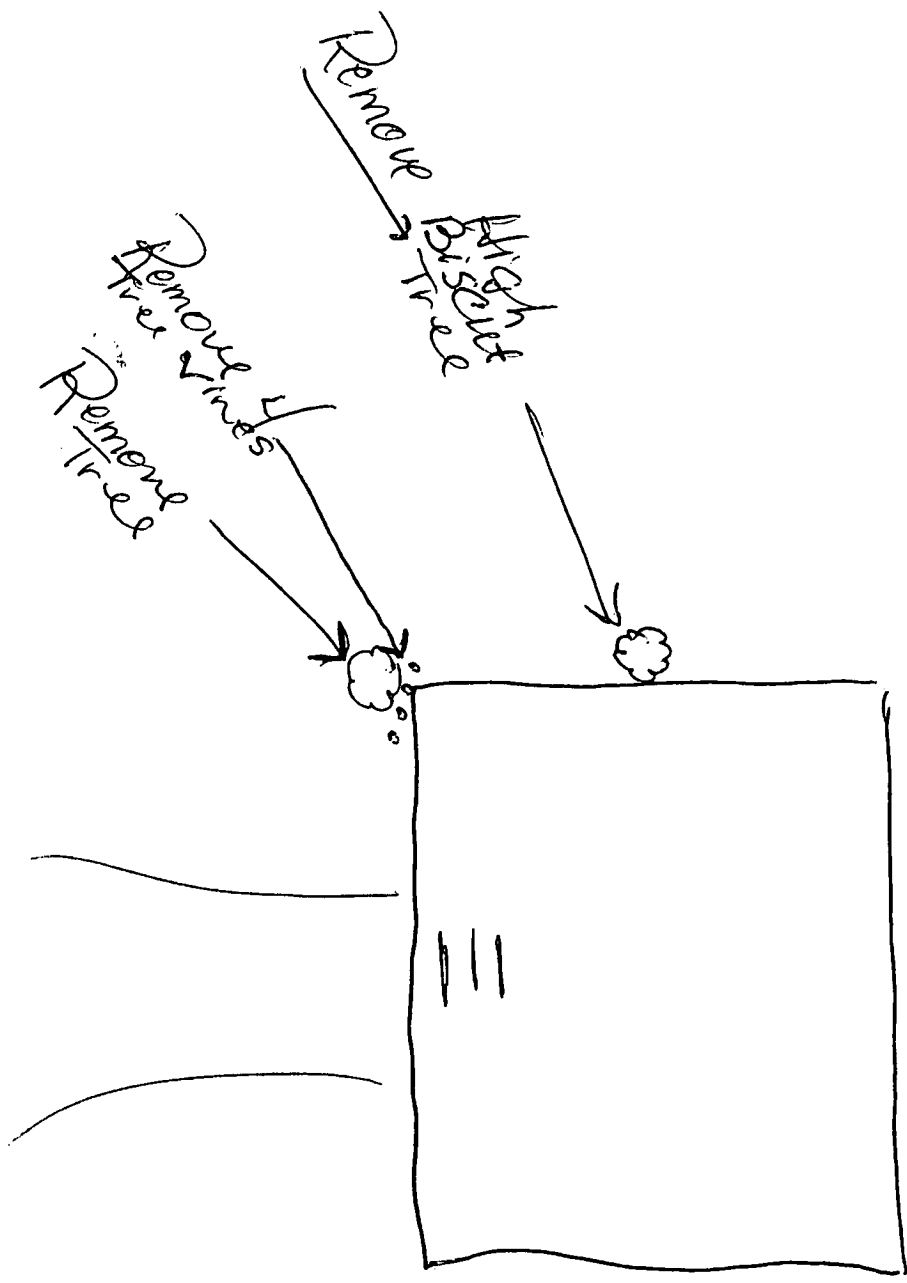
No. of Trees: REPLACE _____ WITHIN 30 DAYS Type: _____

Written statement giving reasons: X Rotting wood house. Already replaced siding on side & repainted whole house.

Signature of Applicant X Marybeth Gill Date X 8/10/04

Approved by Building Inspector: [Signature] Date 8/27 Fee: 0

Plans approved as submitted _____ Plans approved as revised/marked: _____



TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri 8/27, 2004 Page 1 of 3

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
1	RADER	SPERMALITES	FAIL	
	5 HERITAGEWAY	PREPARE		
		(FIRST PLEASE)		INSPECTOR:
6480	WADE	FOOTING - RET. WALL	FAIL	
2	9 E HIGH POINT			INSPECTOR:
	PINE ORCHARD			
6	GILL	TREE	PASS	
7	8 OAK HILL WAY			INSPECTOR:
6672	GILL	FILL (FINAL)	PASS	
8	8 OAK HILL WAY			INSPECTOR:
	O/B			
6635	GILL	FENCE FINAL	PASS	CLOSE
9	8 OAK HILL WAY			INSPECTOR:
	O/B			
* 6261	SMITH	STAIRWELL REN.	CANCEL	
13	7 SIMARA			INSPECTOR:
	SUNRISE CONST			
* 685	HAKOOR BAY	FINAL ELEC	FAIL	
12	3725 E OCEAN #207	- BUILDING		INSPECTOR:
	JANDREAUX			

OTHER:

3725 S. SEWALL'S PT.

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri 1/14, 2004 Page of

PERMIT	OWNER/ADDRESS/CONTR	INSPECTION TYPE	RESULTS	NOTES/COMMENTS
6557	CIVIELLO	FINAL GAS	PASSED	
42	31 FIELDWAY M.C. PROPANE			INSPECTOR: <i>[Signature]</i>
6406	PELICAN GROUP INC	ALL TRADES - ROUGH IN	FAILED	
3	142 S. SEWALL'S Pt CONST. CONNECTION			INSPECTOR: <i>[Signature]</i>
6456	SHARFI	FOOTER (REMS)	PASSED	
1	73 N. SEWALLS Pt WINCHIP			INSPECTOR: <i>[Signature]</i>
6520	HINES	SLAB	PASSED	
6	113 Henry Sewall WINCHIP	(last please)		INSPECTOR: <i>[Signature]</i>
6520	HAZARD	TREE	PASSED	
4	8 RIO VISTA DR			INSPECTOR: <i>[Signature]</i>
6562	REIB	FINAL	PASSED	
5	4 BAKU ST PROP. GROUTING	PATIO SLAB VOID FILL		INSPECTOR: <i>[Signature]</i>
TREE	GILL	TREE	PASSED	
	8 OAK HILL WAY			INSPECTOR: <i>[Signature]</i>
OTHER:				

**TOWN OF SEWALL'S POINT
APPLICATION FOR TREE REMOVAL, RELOCATION, REPLACEMENT**

Tree Defined: Any self-supporting, woody plant which normally grows to an overall height of at least fifteen (15) feet in the vicinity of the town. Replant and landscape trees shall be considered a tree.

No permit required for:

1. Trimming of trees unless it effectively removes it, meaning trimming or pruning to the extent that a plant's natural function is severely altered.
2. Trees with a diameter of less than one inch.

Permit Fee:

1. Tree permits are \$15.00, payable in advance.
2. No permit fee needed for tree which is dead, diseased, injured, hazardous to life or property, or a prohibited species. Prohibitive species include Earleaf Acacia, Woman's Tongue, Norfolk Island Pine, Bischofia, Schefflera, Ear Tree, Eucalyptus, Non-Native Ficus, Silk Oak, Chinese Tallow Tree, Java Plum, Chinaberry, Brazilian Peppers, Australian Pine, and Melaleuca and must be removed before construction begins on new single family residence (S.F.R.).

No removal permits will be issued for native species trees: Black Ironwood, Black Mangrove, Blolly, Buttonwood, Cabbage Palm, Cocoplum (red tip and green tip), Coral Bean, Deer Moss, Gray Twig, Gopher Apple, Gumbo Limbo, Inkwood, Laurel Oak, Leather Fern, Live Oak, Mahogany, Marlberry, Mastic, Mulberry, Myrtle Oak, Paradise Tree, Pigeon Plum, Pond Apple, Prickly Pear, Red Mangrove, Red Maple, Red bay, Saffron Plum, Sand Pine, Scrub Pine, Satinleaf, Saw Palmetto, Scrub Hickory, Sea Grape, Sea Oxeye, Slash Pine, Stoppers, Wild Lime, Sumac (southern), Sugar Berry (Hackberry), Torchwood, Wild Coffee, Varnish Leaf, Water Oak, Wax Myrtle, West Indian Cherry White Mangrove

Application procedures:

1. Fill out application information below to include:
 - a. applicant information
 - b. written statement giving reasons for removal, relocation, or replacement if necessary
 - c. for a new S.F.R., a site plan which shall include the dimensional location on a survey, scale drawing or aerial photograph, superimposed with lot lines of scale, of all existing or proposed structures, improvements and site uses, location of affected trees identified with an estimated size and number, etc.
 - d. for an existing residence, a drawing of house with location of trees to be removed, relocated can be submitted in lieu of site plan.
2. Place identification tape or ribbon on each tree for clarity to inspector if necessary.
3. Inspector will visit site and review application and pass, fail or revise.
4. Permit must be picked up and on site prior to work proceeding.
5. Permits expire if work does not begin within 3 months and if activity is interrupted over 45 days.

Owner MS. HELEN HAZARD Address 8 RIO VISTA DR. Phone _____

Contractor JOHN SHAKER 4/S Address 4441 N. SWANATH RD. Phone 215-2912

No. of Trees: REMOVE 1 Type: BRAZILIAN PEPPER

No. of Trees: RELOCATE _____ WITHIN 30 DAYS Type: _____

No. of Trees: REPLACE _____ WITHIN 30 DAYS Type: _____

Written statement giving reasons: INVASIVE EXOTIC

Signature of Applicant [Signature] Date 1-13-04

Approved by Building Inspector: [Signature] Date 1/15/04 Fee: -0-

Plans approved as submitted Plans approved as revised/marked: _____

BACK YARD

North Property
↓ FENCE

1 Lg Braz → ⊗
Pepper tree

Pool +
Screen

House

W

Rio Uista
#8

E

S

TOWN OF SEWALL'S POINT, FLORIDA

Date JANUARY 21 2005 TREE REMOVAL PERMIT No 2400

APPLIED FOR BY GILL (Contractor or Owner)

Owner 8 OAKHILL WAY

Sub-division _____, Lot _____, Block _____

Kind of Trees _____

No. Of Trees: REMOVE 1 SOUTHERN MAGNOLIA

No. Of Trees: RELOCATE _____ WITHIN 30 DAYS (NO FEE)

No. Of Trees: REPLACE _____ WITHIN 30 DAYS

REMARKS _____

_____ FEE \$ 0

Signed, _____ Applicant Signed Gene Summers (JWS) Town Clerk
BUILDING OFFICIAL

TOWN OF SEWALL'S POINT

Call 287-2455 - 8:00 A.M.-12:00 Noon for Inspection
WORK HOURS 8:00 A.M. - 5:00 P.M. - NO SUNDAY WORK.

TREE REMOVAL PERMIT

RE: ORDINANCE 103

[Large empty rectangular box for drawing or notes]

PROJECT DESCRIPTION _____

REMARKS _____

TOWN OF SEWALL'S POINT
APPLICATION FOR TREE REMOVAL, RELOCATION, REPLACEMENT

Tree Defined: Any self-supporting, woody plant which normally grows to an overall height of at least fifteen (15) feet in the vicinity of the town. Replant and landscape trees shall be considered a tree.

No permit required for:

1. Trimming of trees unless it effectively removes it, meaning trimming or pruning to the extent that a plant's natural function is severely altered.
2. Trees with a diameter of less than two inches.

Permit Fee:

1. Tree permits are \$15.00, payable in advance.
2. No permit fee needed for tree which is dead, diseased, injured, hazardous to life or property, or a prohibited species. Prohibitive species include Earleaf Acacia, Woman's Tongue, Norfolk Island Pine, Bischofia, Schefflera, Ear Tree, Eucalyptus, Non-Native Ficus, Silk Oak, Chinese Tallow Tree, Java Plum, Chinaberry, Brazilian Peppers, Australian Pine, and Melaleuca and must be removed before construction begins on new single family residence (S.F.R.).

No removal permits will be issued for native species trees: Black Ironwood, Black Mangrove, Blolly, Buttonwood, Cabbage Palm, Cocoplum (red tip and green tip), Coral Bean, Deer Moss, Gray Twig, Gopher Apple, Gumbo Limbo, Inkwood, Laurel Oak, Leather Fern, Live Oak, Mahogany, Marlberry, Mastic, Mulberry, Myrtle Oak, Paradise Tree, Pigeon Plum, Pond Apple, Prickly Pear, Red Mangrove, Red Maple, Red bay, Saffron Plum, Sand Pine, Scrub Pine, Satinleaf, Saw Palmetto, Scrub Hickory, Sea Grape, Sea Oxeye, Slash Pine, Stoppers, Wild Lime, Sumac (southern), Sugar Berry (Hackberry), Torchwood, Wild Coffee, Varnish Leaf, Water Oak, Wax Myrtle, West Indian Cherry White Mangrove

Application procedures:

1. Fill out application information below to include:
 - a. applicant information
 - b. written statement giving reasons for removal, relocation, or replacement if necessary
 - c. for a new S.F.R., a site plan which shall include the dimensional location on a survey, scale drawing or aerial photograph, superimposed with lot lines of scale, of all existing or proposed structures, improvements and site uses, location of affected trees identified with an estimated size and number, etc.
 - d. for an existing residence, a drawing of house with location of trees to be removed, relocated can be submitted in lieu of site plan.
2. Place identification tape or ribbon on each tree for clarity to inspector if necessary.
3. Inspector will visit site and review application and pass, fail or revise.
4. Permit must be picked up and on site prior to work proceeding.
5. Permits expire if work does not begin within 3 months and if activity is interrupted over 45 days.

Owner Mary Beth Gill Address 8 OAK Hill Way Phone _____

Contractor Shaded Wood Farms Address 6320 SW Flamingo Hwy Phone 255-4375

No. of Trees: REMOVE 1 Type: Southern Magnolia

No. of Trees: RELOCATE _____ WITHIN 30 DAYS Type: _____

No. of Trees: REPLACE _____ WITHIN 30 DAYS Type: _____

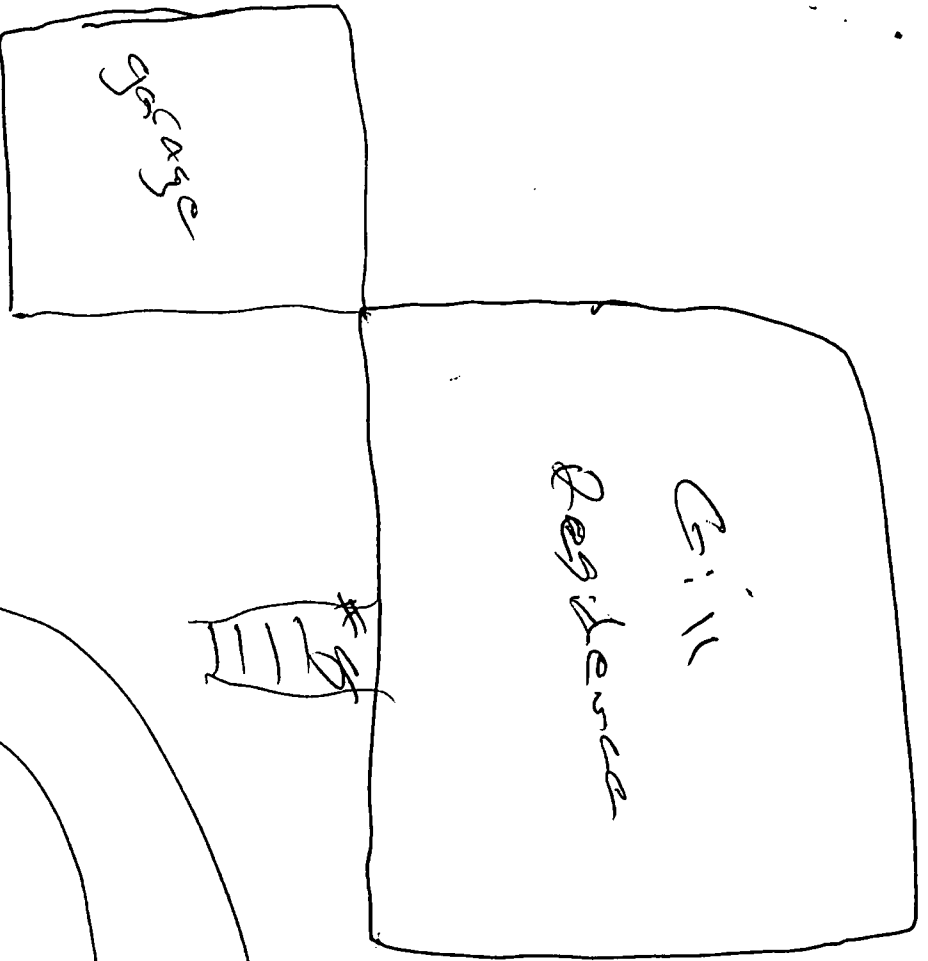
Written statement giving reasons: Main leader shattered during one of the storms

Signature of Property Owner: Mary Beth Gill Date _____

Approved by Building Inspector: [Signature] Date 1/21 Fee: 0

Plans approved as submitted _____ Plans approved as revised/marked: _____

CANNOT IDENTIFY LOCATION OF TREE - ARRANGE TIME TO MEET W/ INSPECTOR



Partly
down,
has black
wrought iron
seats around
it.



Southwestern
Magnolia.

tape

TOWN OF SEWALL'S POINT, FLORIDA

Date 1-22-07 19 _____ TREE REMOVAL PERMIT No 0569

APPLIED FOR BY Gill (Contractor or Owner)

Owner 18 Oakhill Way

Sub-division _____ Lot _____, Block _____

Kind of Trees Australian Pines

No. Of Trees: REMOVE 15+

No. Of Trees: RELOCATE _____ WITHIN 30 DAYS (NO FEE)

No. Of Trees: REPLACE _____ WITHIN 30 DAYS

REMARKS _____

_____ FEE \$ 0

Signed, _____ Applicant Signed, Phil Wintercorn Bldg Inspector ~~Form Clerk~~

TOWN OF SEWALL'S POINT

Call 287-2455 - 8:00 A.M.-12:00 Noon for Inspect:
WORK HOURS 8:00 A.M. - 5:00 P.M.—NO SUNDAY WORK.

TREE REMOVAL PERMIT

RE: ORDINANCE 103

[Large empty rectangular box for drawing or site plan]

PROJECT DESCRIPTION _____

REMARKS _____

TO: TOWN OF SEWALLS POINT
FROM: SHADOWOOD FARM, INC

Permit Fee:

1. Tree permits are \$15.00, payable in advance.
2. Permit - No fee needed for tree which is dead, diseased, injured, hazardous to life or property, or a prohibited species. Prohibitive species include Earleaf Acacia, Woman's Tongue, Norfolk Island Pine, Bischofia, Schefflera, Ear Tree, Eucalyptus, Non-Native Ficus, Silk Oak, Chinese Tallow Tree, Java Plum, Chinaberry, Brazilian Peppers, Australian Pine, and Melaleuca and must be removed before construction begins on new single family residence (S.F.R.).

No removal permits will be issued for native species trees: Black Ironwood, Black Mangrove, Blolly, Buttonwood, Cabbage Palm, Cocoplum (red tip and green tip), Coral Bean, Deer Moss, Gray Twig, Gopher Apple, Gumbo Limbo, Inkwood, Laurel Oak, Leather Fern, Live Oak, Mahogany, Marlberry, Mastic, Mulberry, Myrtle Oak, Paradise Tree, Pigeon Plum, Pond Apple, Prickly Pear, Red Mangrove, Red Maple, Red bay, Saffron Plum, Sand Pine, Scrub Pine, Satinleaf, Saw Palmetto, Scrub Hickory, Sea Grape, Sea Oxeye, Slash Pine, Stoppers, Wild Lime, Sumac (southern), Sugar Berry (Hackberry), Torchwood, Wild Coffee, Varnish Leaf, Water Oak, Wax Myrtle, West Indian Cherry White Mangrove

Application procedures:

1. Fill out application information below to include:
 - a. applicant information
 - b. written statement giving reasons for removal, relocation, or replacement if necessary
 - c. for a new single family resident see above.
2. Place identification tape or ribbon on each tree for clarity to inspector if necessary.
3. Inspector will visit site and review application and pass, fail or revise.
4. Permit must be picked up and on site prior to work proceeding.
5. Permits expire if work does not begin within 3 months and if activity is interrupted over 45 days.

FAX: 220-4765

Owner Marybeth Gill Address 8 Oak Hill Way Phone 223-4015
 Contractor Shadowood Farm, Inc Address 6220 S.W. Martin Hwy Phone 283-4375

No. of Trees: REMOVE 15+ or - Remove All Type: Australian PINE
 No. of Trees: RELOCATE _____ WITHIN 30 DAYS Type: _____
 No. of Trees: REPLACE _____ WITHIN 30 DAYS Type: _____

Written statement giving reasons: Owner wishes to remove all Australian Pines on both of her lots because they are an invasive, prohibited species.

Signature of Property Owner [Signature] For Marybeth Gill Date 1/21/07

Approved by Building Inspector: [Signature] Date 1/22 Fee: 0
 Plans approved as submitted _____ Plans approved as revised/marked: _____

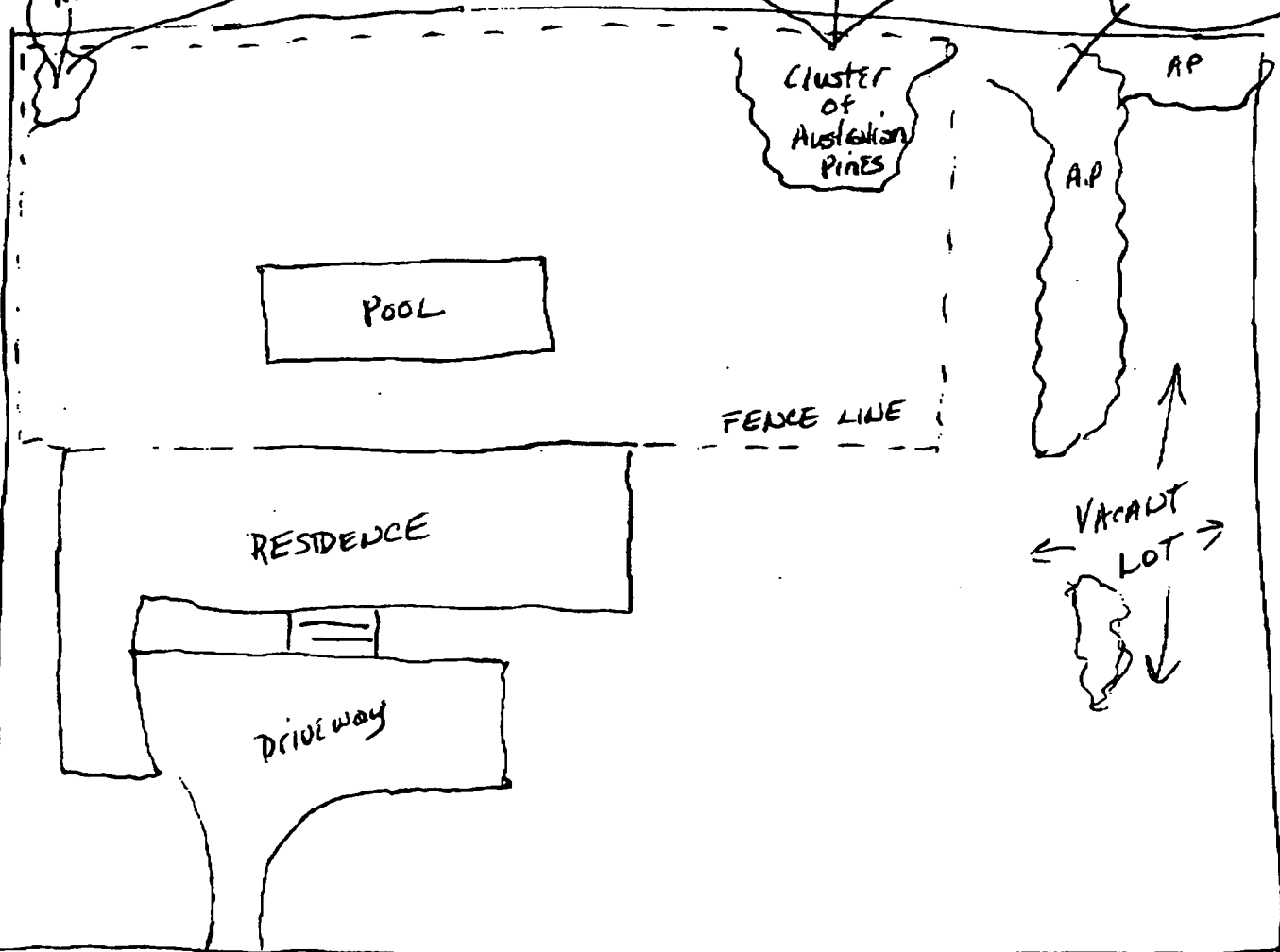
GILL RESIDENCE & VACANT LOT
8 OAKHILL WAY, CASTLE HILL
TOWN OF SEWALLS POINT

↑
N

REMOVE ALL

REMOVE ALL

REMOVE ALL



HOMEOWNER
WISHES TO
REMOVE ALL
AUSTRALIAN
PINES ON
HER PROPERTY.

← OAK HILL WAY →

Mr Phil Wintercorn
Building Inspector
Town of Sewall's Point
Sewall's Point, FL

Mr. Wintercorn,

This letter is in response to your request for verification of a pine tree removal at the Gill residence at 8 Oakhill Way, under the tree removal permit #0569 issued on January 22nd, 2007.

After removing all the Casuarina in the lot adjacent to the residence I discovered a dead Slash Pine that had been hidden behind them. It had been dead for some time and I was not aware I needed additional inspections from the town before proceeding so I went ahead and removed it. Should a situation like this arise in the future we will call your office to schedule another inspection.

Should you be inspecting the site again in the near future please be advised that we will be pruning some bamboo the week of March 5th. However, we will not be removing them.

Sincerely,



Bob Fenton
Shadowood Farm

TOWN OF SEWALL'S POINT

APPLICATION FOR TREE REMOVAL, RELOCATION, REPLACEMENT

Permit # 0546

Date Issued: 2/6/2

This application shall include a written statement giving reasons for removal, relocation, or replacement and a site plan which shall include the dimensional location on a survey, scale drawing, or aerial photograph, superimposed with lot lines to scale, of all existing or proposed structures, improvements and site uses, location of affected trees identified with an estimated size and number, etc.

Owner Ms. Mary Beth Gill Address 8 Oak Hill Phone _____

Contractor Shadowood Address 6000 SW Phone 283-4375

Number of trees to be removed (list kinds of trees) Magnolia

Number of trees to be relocated within 30 days (no fee) (list kinds of trees): _____

Number of trees to be replaced: _____ (list kinds of trees): _____

Permit Fee \$ _____

\$15.00

(No permit fee for trees which are relocated on property or lie within a utility easement and are required to be removed in order to provide utility service, nor for a tree which is dead, diseased, injured or hazardous to life or property.)

Plans approved as submitted _____ Plans approved as marked _____

Permit good for one year. Fee for renewal of expired permit is \$5.00.

Signature of applicant [Signature] Plans approved as marked _____

Approved by Building Inspector [Signature] Date submitted: _____

Completed _____
Date _____ Checked by _____

THE FOLLOWING TREES MAY BE REMOVED OR DESTROYED WITHOUT A FEE. BRAZILIAN PEPPER, FLORIDA HOLLY TREE, AUSTRALIAN PINE AND STRANGLER FIG. FOR THE PURPOSE OF THIS PERMIT, A TREE IS DEFINED AS ANY SELF-SUPPORTING WOODY OR FIBROUS PERENNIAL PLANT WHICH HAS A MINIMUM HEIGHT OF TWELVE (12) FEET.

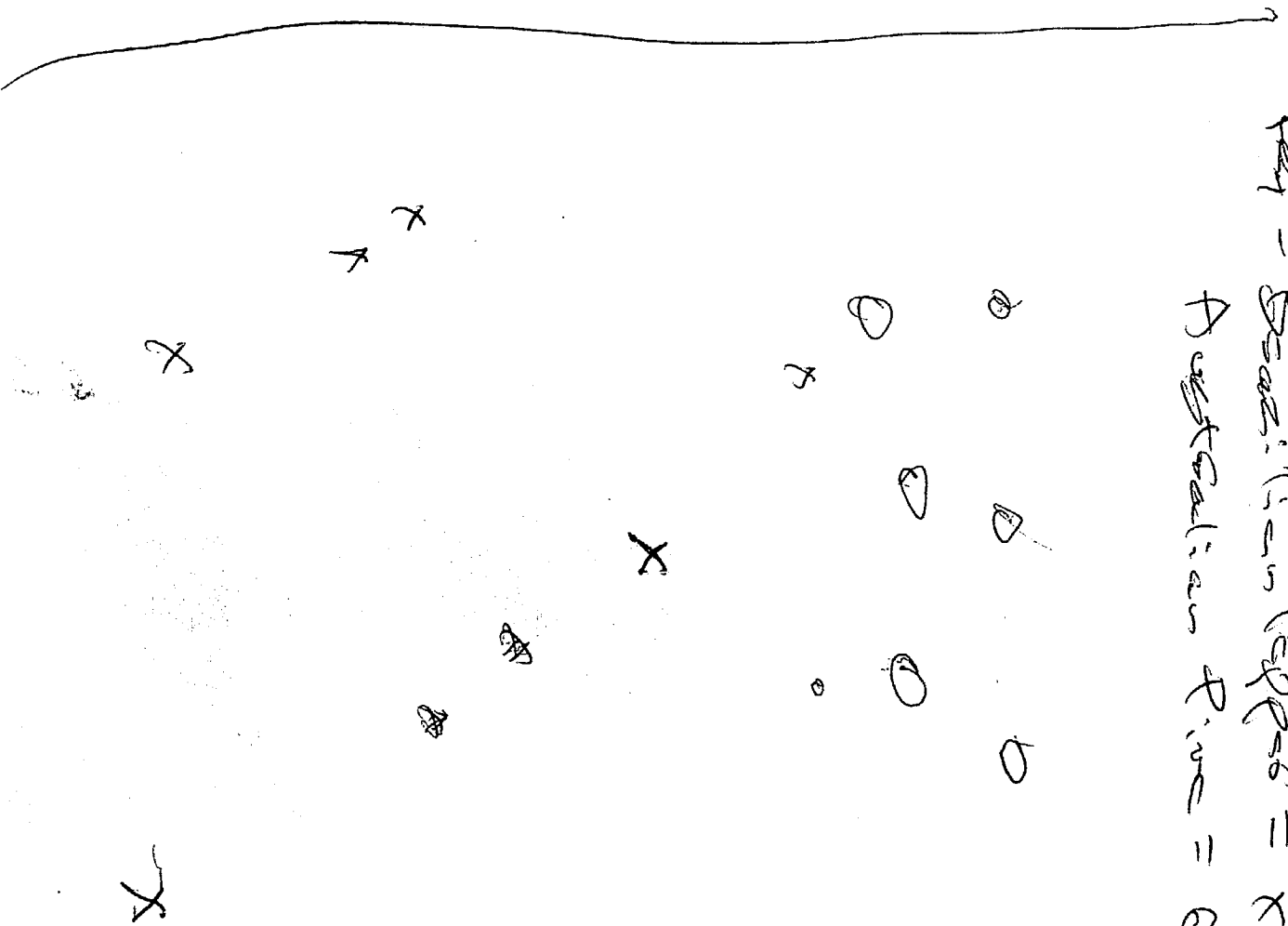
THE FOLLOWING TREES MUST BE REMOVED BEFORE CONSTRUCTION BEGINS: BRAZILIAN PEPPER, FLORIDA HOLLY TREE, AUSTRALIAN PINE AND MELALEUCA

See attached Tree Species List

Gill
Residence
#8



Key - Brazilian Respos = X
Austalian Pine = O



lots # 3-4
Castle Hill