18 Rio Vista Drive

Permit No. #1171 TOWN OF SEWALL'S POINT FLORIDA

Date _____

APPLICATION FOR A PERMIT TO BUILD A HOUSE OR COMMERCIAL BUILDING

This application must be accompanied by three sets of complete plans, to scale, (¼" scale for building drawings), including plot plan, foundation plan, floor plans, wall and roof cross-sections; plumbing, electrical and air-conditioning layouts, and at least two elevations, as applicable. A copy of the property deed is required for new house or commercial building construction.

Owner Hugh D. Taylor Present address P.O. Box 1192 Highlands, N.C.

Phone _____

General contractor Moline + Mortensen Const. Address P.O. Box 2738, Stuart

Phone 283-7462

Where licensed MARTIN Co. License No. 32

Plumbing contractor Premier Plumbing License No. 098

Electrical contractor Jim Hurly License No. 0323

Air-conditioning contractor Joseph Trinca License No. 00174

Describe the building, or alteration to existing building New Residence - Single family

Name the street on which the building, its front buiilding line and its front yard will face 18 Rio Vista Drive

Subdivision Rio Vista Lot No. 72 Area 17,000 ± Approx.

Building area, inside walls (excluding garage, carport, porches, pools, etc.)...square feet ~~1783~~ 1853

Contract price (excluding land, carpeting, appliances, landscaping, etc.) $ ~~50,000~~ 64,855.00

Cost of permit $ 355 (325+30) Plans approved as submitted ✓ or, as marked _____

I understand that this permit is good for 12 months from the date of its issue and that the building for which this permit is issued must be completed within that time and in accordance with the approved plans. 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. I agree that the building site will be clean and rough-graded before a Certificate of Occupancy is sought, and, moreover, that I shall be 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 with the above requirements may result in a Building Inspector or a Town Commissioner "Red-tagging" the building project.

Contractor Douglas W. Moline

I understand that this building must be in accordance with the approved plans and that it must comply with all code requirements before a Certificate of Occupancy will be issued and the property approved for all utility services. I agree that within 90 days after the building has been approved for occupancy, the property will be landscaped so as to be compatible with its neighborhood, as required by the Town's zoning ordinance.

Owner Hugh D. Taylor

Note: Speculation builders will be required to sign both of the above statements.

TOWN RECORD Date submitted _____

Approved by Building Inspector (date) 6/27/80 Inspector's initials JM

Approved by Town Commissioner (date) 7/1/80 Commissioner's initials BS

Certificate of Occupancy issued (date) _____

#1171 1171

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

373369

WARRANTY DEED

THIS DEED dated the date set forth hereinbelow between GUSTAV SCHICKEDANZ, Individually and as Trustee, joined by his wife, ANN SCHICKEDANZ, of Toronto, Province of Ontario, Canada, the Grantor, and SALLY REIS LALOR, whose mailing address is P. O. Box 1192, Highlands, N.C. 28741, County of , State of North Carolina , Grantee,

WITNESSETH:

That for the sum of Ten ($10.00) Dollars and other good and valuable consideration, said Grantor does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the said Grantee all that certain parcel of land situate in Martin County, Florida, described as follows:

Lot 72, RIO VISTA SUBDIVISION, according to the Plat thereof, filed December 11, 1975, in Plat Book 6, Page 95, Martin County, Florida, Public Records.

SUBJECT HOWEVER, to the following:

1. Taxes accruing subsequent to December 31, 1979;
2. Zoning regulations and ordinances of the Town of Sewall's Point, Florida;
3. The provisions and easements set forth on the aforesaid plat of RIO VISTA SUBDIVISION;
4. The provisions of DECLARATION OF PROTECTIVE COVENANTS COVERING ALL OF RIO VISTA SUBDIVISION recorded in Official Records Book 393, Page 1469, Martin County, Florida, Public Records, as amended by the First Amendment to Declaration of Protective Covenants Covering All of Rio Vista Subdivision recorded in Official Records Book 403, Page 549, Martin County, Florida, Public Records;

and the said Grantor does hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, the said Grantor has set forth his Hand and Seal this 30th day of March, 1980.

WITNESSES:

(signature) ____ (signature) (SEAL)
GUSTAV SCHICKEDANZ, Individually and as Trustee

(signature) ____ (signature) (SEAL)
ANN SCHICKEDANZ

DOCUMENTARY STAMP TAX
DEPT. OF REVENUE
128.00
MARTIN COUNTY

DOMINION OF CANADA
PROVINCE OF ONTARIO
DISTRICT OF YORK

The foregoing instrument was acknowledged before me by GUSTAV SCHICKEDANZ, Individually and as Trustee, joined by his wife, ANN SCHICKEDANZ, on this 30th day of March, 1980.

(signature)
Notary Public

(Notary Seal)

My Commission Does Not Expire.
It is for Life.

This instrument prepared by:
[illegible] FENNIMAN, CHARTERED
501 East Osceola Street
P. O. Box 2473
Stuart, Florida 33494
Phone: (305) 287-4300

O R BOOK 494 PAGE 244

80 APR 18 AM 11:38
FILED FOR RECORD
MARTIN COUNTY, FLA.
LOUISE V. ISAACS
CLERK CIRCUIT COURT
BY ____ D.C.

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

APPLICATION FOR SEPTIC TANK PERMIT
AND FINAL INSPECTION FORM

$25 WELL FEE IF WELL NOT INSTALLED AT TIME OF SEPTIC SYSTEM INSPECTION

Permit VOID if well or septic system is installed in a location other than area permitted. PRIOR HEALTH DEPARTMENT APPROVAL REQUIRED

Authority:
Chapter 381, 386, 387, FS
Chapter 10D-6, FAC

DATE 5-28-80 Permit Number HDBO-410

Name of Applicant SALLY REISLALOR - John Morris Telephone No. 283-2884
Mailing Address of Applicant 509 PALM BEACH ROAD, STUART
To Be Installed At: (Give Street Address)* RIO VISTA DRIVE & PLUMERIA PLACE
Lot No. 72 Block No. — Subdivision Rio Vista Plat Book 6 Page 95
Size of Lot 145' By 115'± No. Living Units 1 No. Bedrooms 3 No. People 3±
Type of Business N/A No. Toilets 2± No. Wash Basins 3± No. Employees N/A
Total Square Feet in Building 1900±
*Note Attach Site Location Map and Other Supportive Documents

John E. Morris III
Signature of Applicant

SITE INFORMATION

Distance to Sanitary Sewer NOT AVAILABLE Distance to Stream, Lake, Canal NONE
Distance to Public Water Supply @ CURB Distance to Private Well(s) 100'± (irrigation wells)
Rainfall Data NORMAL
Is Area Subject to Flooding? NO Does Site have Good Natural Drainage? YES
Which Way Does Lot Drain? EAST Any Perimeter Ditches? NO Depth of Ditches NO
Is there Standing Water in Ditches? NO Depth of Water in Ditches NONE
Distance to Nearest Residence (North 300'± East 200'± South 100'± West 100'±) Are Buildings
In this Area on: Septic Tanks YES Sand Filters ____ Other ____
Any Known Drainfield Failures in this Area NO

SOIL PROFILE AND PERCOLATION DATA

72" Yellow E' Brown Sand

Water Table At ± 72" Inches
Hard Pan At ____ Inches
Clay At ____ Inches
Muck At ____ Inches
Other At ____ Inches
Soil Classification: I, S.P.
Percolation Rate: 0.4 min/inch

David W. Betham

INSTALLATION SPECIFICATIONS

Septic Tank Capacity: 900 Drain Tile (Linear Ft.): ____
Dosing Tank Capacity: ____ Sand Filter Size: (Sq.Ft.) ____
Grease Trap Capacity: ____ Absorbtion Bed Size: (Sq.Ft.) 255
Perforated Pipe: (Linear Ft.) ____ Lateral Drainfield Size: (Sq.Ft.) ____
Other Specifications: ____

RECOMMENDATION: Approval [X] Disapproval [ ]

5:30:80
Date Processed

THIS PERMIT EXPIRES ONE (1) YEAR FROM DATE OF ISSUANCE

Robert Washam
Signature of Sanitarian

MARTIN County Health Department

FINAL INSPECTION DATA

Date and Time of Inspection ____ Type of Tank (Concrete, Fiberglass, Etc.) ____
Size Tank Installed ____ Drainfield Size ____ No. Tile Feet ____
Dosing Tank Size ____ Grease Trap Size ____ Sand Filter Size ____
Who Made Installation ____

RECOMMENDATION: Approval [ ] Disapproval [ ]

HRS-H FORM 4015, Aug 78 (Replaces San-428)

Signature of Sanitarian

NOTE: Contractor is responsible for verifying all dimensions shown in the above note prior to installation of septic tank system.

6609

BETHAM GROUP, INC.
LAND SURVEYING
732 N.E. COMMERCIAL ST.
JENSEN BEACH, FLORIDA 33457
334-1442 465-2583

145
115
725
726
114
147
675

DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES
DIVISION OF HEALTH

INDIVIDUAL SEWAGE DISPOSAL FACILITIES
DATA SHEET

Location: LOT 72, RIO VISTA S/D Applicant: SALLY REIS LALOR - JOHN MORRIS
PLAT BOOK 6, PAGE 95 County: MARTIN
RECORDED 12-11-75

NOTE: This septic tank system is not located within 50 feet of the high water line of a lake, stream, canal or other waters, nor within 75 feet of any private well; nor within 100 feet of any public water supply; nor within 10 feet of water supply pipes; nor within 100 feet of any public sewer system.

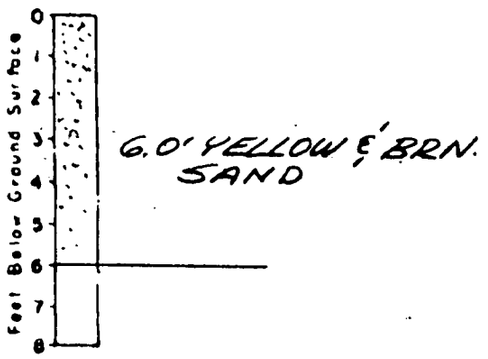
SEE ATTACHED

← Plat plan must show all data required in 100-6.03 2(a) and all other pertinent data.

NOTE: Contractor is responsible for verifying all dimensions shown in the above note prior to installation of septic tank system.

PLAN
Scale: 1" = ___

SOIL DATA



SOIL BORING LOG

Soil Identification CLASS I GROUP SP
Soil Characteristics YELLOW & BROWN SAND

Percolation Rate 0-4 min/inch
Water Table Depth ≥ 6'
Water Table Depth During Wet Season ≥ 6'
Compacted Fill Of ___ Req'd
Compacted Fill Checked By: ___

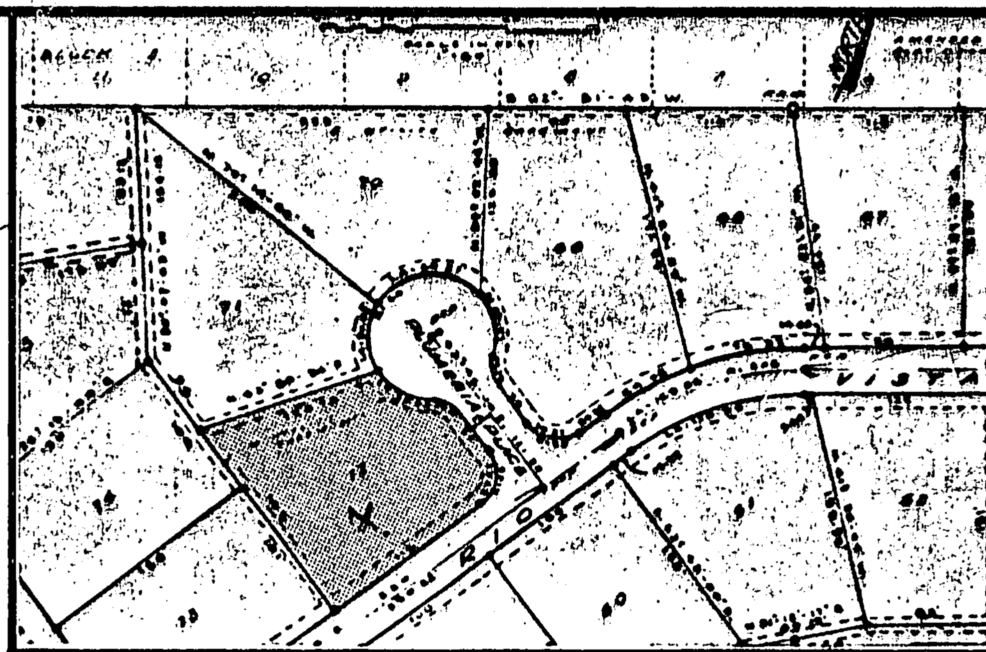
LEGEND

- Drainage Pattern
- Proposed Septic Tank and Drainfield
- Proposed Water Supply Well
- Existing Water Supply Well
- Soil Boring and Percolation Test Location

BETHAM GROUP, INC.
LAND SURVEYING
732 N.E. COMMERCIAL ST.
JENSEN BEACH, FLORIDA 33457
334-1442 465-2583

CERTIFIED BY: David W. Betham
FLORIDA PROFESSIONAL No. P.L.S. 3199
Date 5-28-80 Job No 80-27A
Sheet 2 of 3

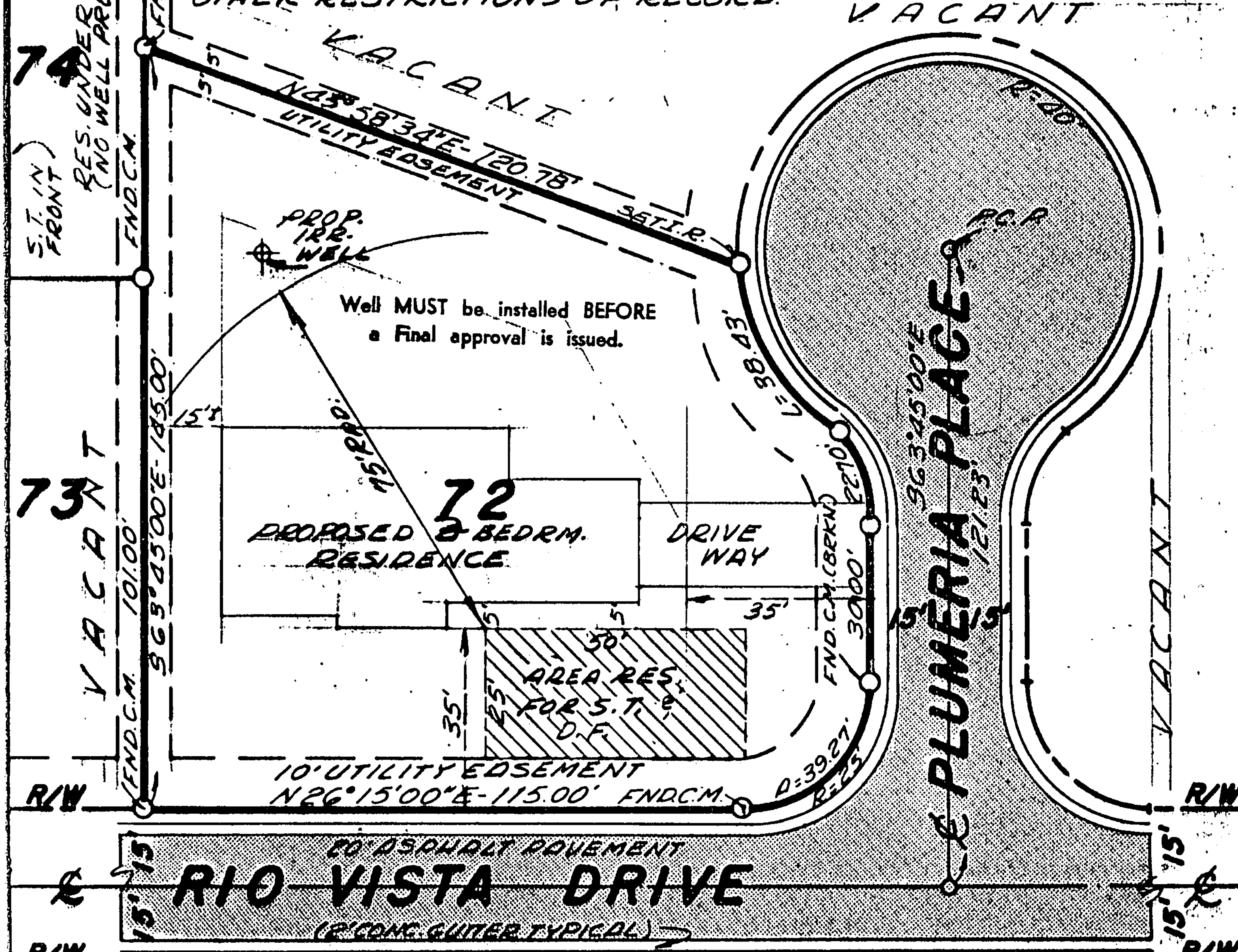
NORTH-SCALE: 1"=30'



VICINITY MAP

DESCRIPTION:

LOT 72 OF RIO VISTA SUBDIVISION AS RECORDED IN PLAT BOOK 6, PAGE 95, PUBLIC RECORDS OF MARTIN COUNTY, FLORIDA. SUBJECT TO ANY APPLICABLE EASEMENTS, RIGHTS OF WAY OR OTHER RESTRICTIONS OF RECORD.



NOTE: A SEARCH OF THE PUBLIC RECORDS HAS NOT BEEN MADE BY THIS OFFICE.

S.T. 15' 20' WELL 81' S.T. 75' 15'

PREPARED AT THE REQUEST OF JOHN MORRIS FOR SALLY REIS LALOR.

I HEREBY CERTIFY that the plat shown hereon is a true and correct representation of a survey made under my direction and that said survey is accurate to the best of my knowledge and belief and that, unless otherwise shown, there are no encroachments. NOT VALID unless sealed with an EMBOSSED SEAL.

THE BETHAM GROUP, INC.
LAND SURVEYING
P. O. BOX 2264
STUART, FLA. 33494
PH. 334-1442 465-2583

David W. Betham

PROFESSIONAL LAND SURVEYOR
FLORIDA CERTIFICATE NO. 3199

	DATE: 3-5-80	DRAWN BY: P.A.R.
PLAT BOOK: 6 PG. 95 FIELD BK. FILE	SCALE: 1"=30'	ORDER NO. 80-27

LALOR RESIDENCE - RIO VISTA

"U" VALUE CALCULATIONS FOR SUB ASSEMBLIES

TYPE ASSEMBLY	CONC. BLOCK		FRAME		CEILING			
	R VALUE FRAMING	R VALUE CAVITY	R VALUE FRAMING	R VALUE CAVITY	R VALUE FRAMING	R VALUE CAVITY	R VALUE FRAMING	R VALUE CAVITY
FILM EXTERIOR	.17	.17	.17	.17				
SURFACE TREATMENT			.66	.66				
OUTER SHEATING			.77	.77				
FRAMING			4.35	/	4.35			
CAVITY: A. INSULATION				11.00		19.00		
B. AIR SPACE								
INTERIOR SURFACE			.45	.45	.45	.45		
AIR FILM INSIDE	.68	.68	.68	.68	.68	.68		
OTHER								
R_V = TOTAL			7.08	13.73	5.48	20.15		
U_o = 1/R TOTAL			.141	.073	.182	.050		

RBB ON DENNY

R-11

1/2" DRY

U_o (OVERALL "U" VALUE (ENVELOPE CALCULATIONS)

TYPE OF ASSEMBLY	DESCRIPTION		AREA	GROSS AREA RATIO	"U" VALUE	"U" X RATIO
GROSS WALL			1504	1.00		
GLASS	ALL SOLAR WINDOWS/DOORS		313	.21	.55	.116
DOORS	WOOD SC		37	.02	.46	.012
BLOCK WALL		PUR CAVITY	/	/	/	/
1154 FRAME WALL	173	STUDS 15%	173	.12	.141	.017
	981	CAVITY 85%	981	.65	.073	.047
			TOTAL WALL "U" VALUE = 1504 1.00			.192
1847 CEILING	TRUSS 10%		185	.10	.182	.018
GROSS /	CAVITY 90%		1662	.90	.050	.045
			TOTAL CEILING "U" VALUE =			.063
THIS CODE HOUSE	WALLS					.192
GROSS/GROSS	CEILING					.063
			TOTAL CODE HOUSE "U" VALUE =			.255
			THIS HOUSE COMPLIES LESS THAN			.300

I hereby Certify that the Design and Construction of this building comply with the Applicable Thermal Energy Efficency Standard as Required in Part VII, Chapter 553, Florida Statutes. I understand that Falsification of this application may subject me to Prosecution under the Law.

Signature of Owner, or Owners, Authorized Agent

☐ AUTO-OWNERS INS. CO.
☐ AUTO-OWNERS MUTUAL INS. CO.
☐ HOME-OWNERS MUTUAL INS. CO.
☐ OWNERS INS. CO.
☐ PROPERTY OWNERS INS. CO.

CERTIFICATE OF INSURANCE

RECEIVED JUN 27 1980

Agency Reardon Ins. Agcy, Inc.

Insured Moline & Mortensen

Address Stuart, Fl 33494

This is to certify that policies of insurance listed below have been issued to the insured named above and are in force at this time.

Type of Insurance	Policy Number	Effective Date	Expiration Date	Limits of Liability		
Workers' Compensation	781712 20358999	5/19/80	5/19/81	Statutory		
General Liability					EACH OCCURRENCE	AGGREGATE
☐ Comprehensive Form	772912 20238186	1/3/80	1/3/81	Bodily Injury	$ 100,000	$ 100,000
X ☐ Premises — Operations				Property Damage	$ 100,000	$ 100,000
☐ Explosion and Collapse Hazard						
☐ Underground Hazard						
X ☐ Products/Completed Operations Hazard				Bodily Injury and Property Damage Combined	$	$
☐ Contractual Insurance						
☐ Broad Form Property Damage						
☐ Independent Contractors						
☐ Personal Injury						
Automobile Liability				Bodily Injury (Each Person)	$	$
☐ Comprehensive Form				Bodily Injury (Each Occurrence)	$	$
☐ Owned				Property Damage	$	$
☐ Hired				Bodily Injury and Property Damage Combined	$	$
☐ Non-Owned						
Excess Liability				Bodily Injury and Property Damage Combined	$	$
Umbrella						
OTHER:						

Classification of work covered and location of operations.

This Certificate of Insurance neither affirmatively nor negatively amends, extends or alters the coverage afforded by the above policies.

Cancellation: Should any of the above described policies be cancelled before the expiration date thereof, the issuing company will endeavor to mail 10 days written notice to the below named certificate holder, but failure to mail such notice shall impose no obligation or liability of any kind upon the company.

Dated at Stuart, Fla. this 6/24/80 Agent Jacqueline Mancil

Certificate Holder Town of Sewall's Point

Street Sewall's Point

City & State Jensen Beach, Fl 33457

AUTO-OWNERS INSURANCE COMPANY

R.E. Moulton

President

600 (11-77)

MARTIN COUNTY
CONTRACTORS
CERTIFICATE OF COMPETENCY

Effective October 1, 19 72 through September 30, 1972

NAME DOUGLAS MOLINE
FIRM MOLINE & MORTENSEN, INC.
ADDRESS P.O. Box 2730
Stuart, FL 33494

CERTIFIED
CONTRACTOR [illegible]

AUDIT CONTROL No. 263	CERTIFICATE NUMBER 00032

TOWN OF SEWALL'S POINT, FLORIDA

CERTIFICATE OF APPROVAL FOR OCCUPANCY

Date 6/29/80

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

For property built under Permit No. 1171 Dated 7/2/80 when completed in conformance with the Approved Plans.

Signed Hugh M. Taylor

RECORD OF INSPECTIONS

Item	Date	Approved by
S.S. 7/24/80 Set-backs and footings		
Rough plumbing	7/24/80 9/10/80	Jan
Slab	7/28/80	S.S.
~~Perimeter beam~~		
Close-in, roof and rough electric	— 9/10/80	Jan
Final Plumbing	10/30/80	
Final Electric	10/30/80	
Insulation	9/16/80	

Final Inspection for Issuance of Certificate for Occupancy.

Approved by Building Inspector J. Conyngham date 10/30/80

Approved by Building Commissioner G. C. Stumbell date 10/30/80

Utilities notified 10/30/80 date

Original Copy sent to _____

(Keep carbon copy for Town files)

1437

SUN ROOF

1437

TOWN OF SEWALL'S POINT FLORIDA

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 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 Hugh Lalor Present address 18 Rio Vista Drive

Phone 283-5966

Contractor Moline + Mortensen Const. Address P.O. Box 2738

Phone 283-7462

Where licensed Martin County License number 00137

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: Addition - Sun Roof over an existing Patio

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

18 Rio Vista Drive

Subdivision_____ Lot No. 72

Contract price$ 6,100.00 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 a Town Commissioner "Red-tagging" the construction project.

Contractor Kenneth Mortensen

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 Mrs Hugh Lalor

TOWN RECORD Date submitted_____

Approved:_____
Building Inspector Date

Approved: G C Fuller 12/28/81
Commissioner Date

Final Approval given: 1/22/82 Jane
Date

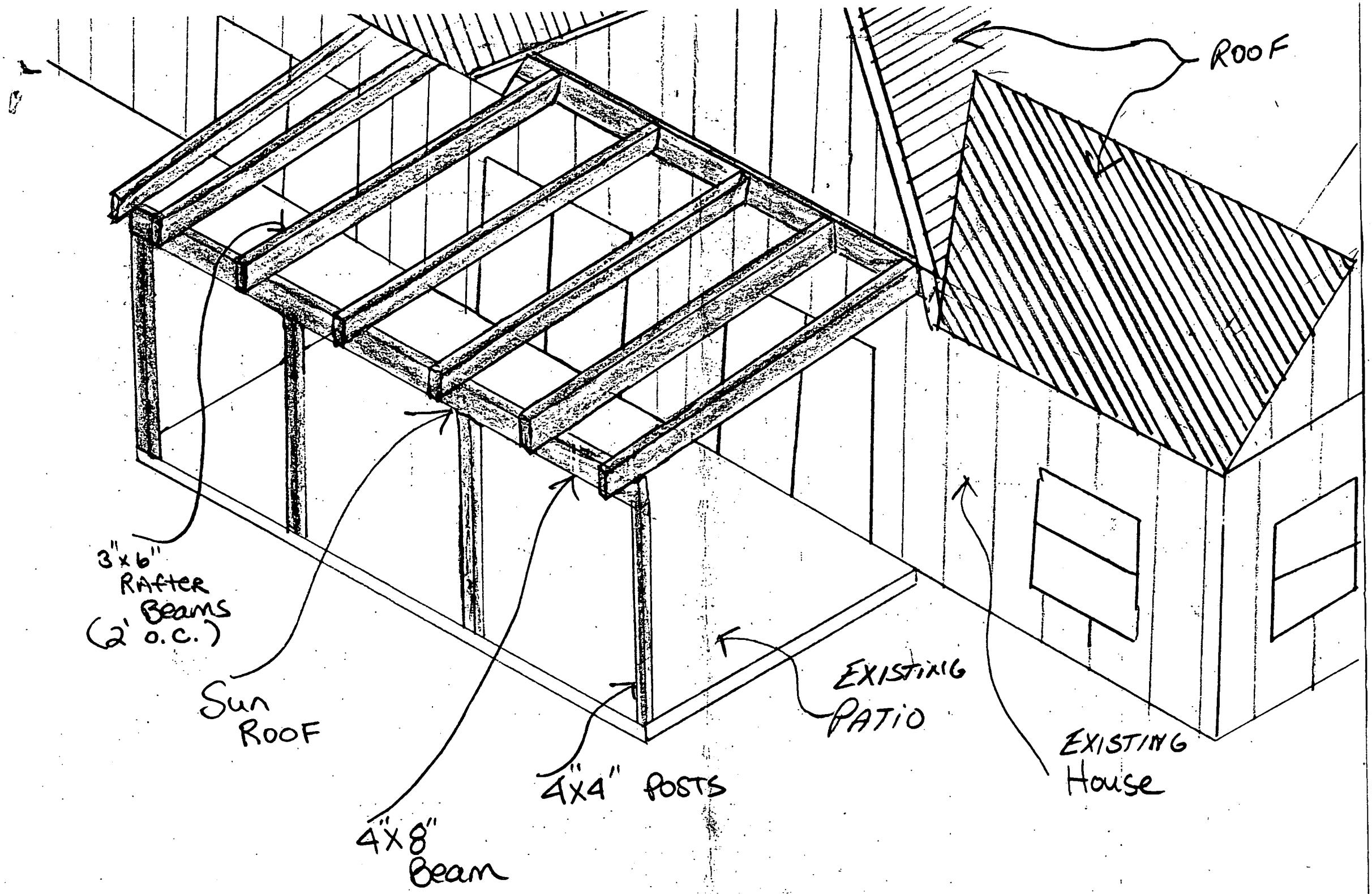
Certificate of Occupancy issued Not Req
Date

SP/1-79

Get owners signature

Framing 1/5/82
Framing Final 1/11/82

#1437

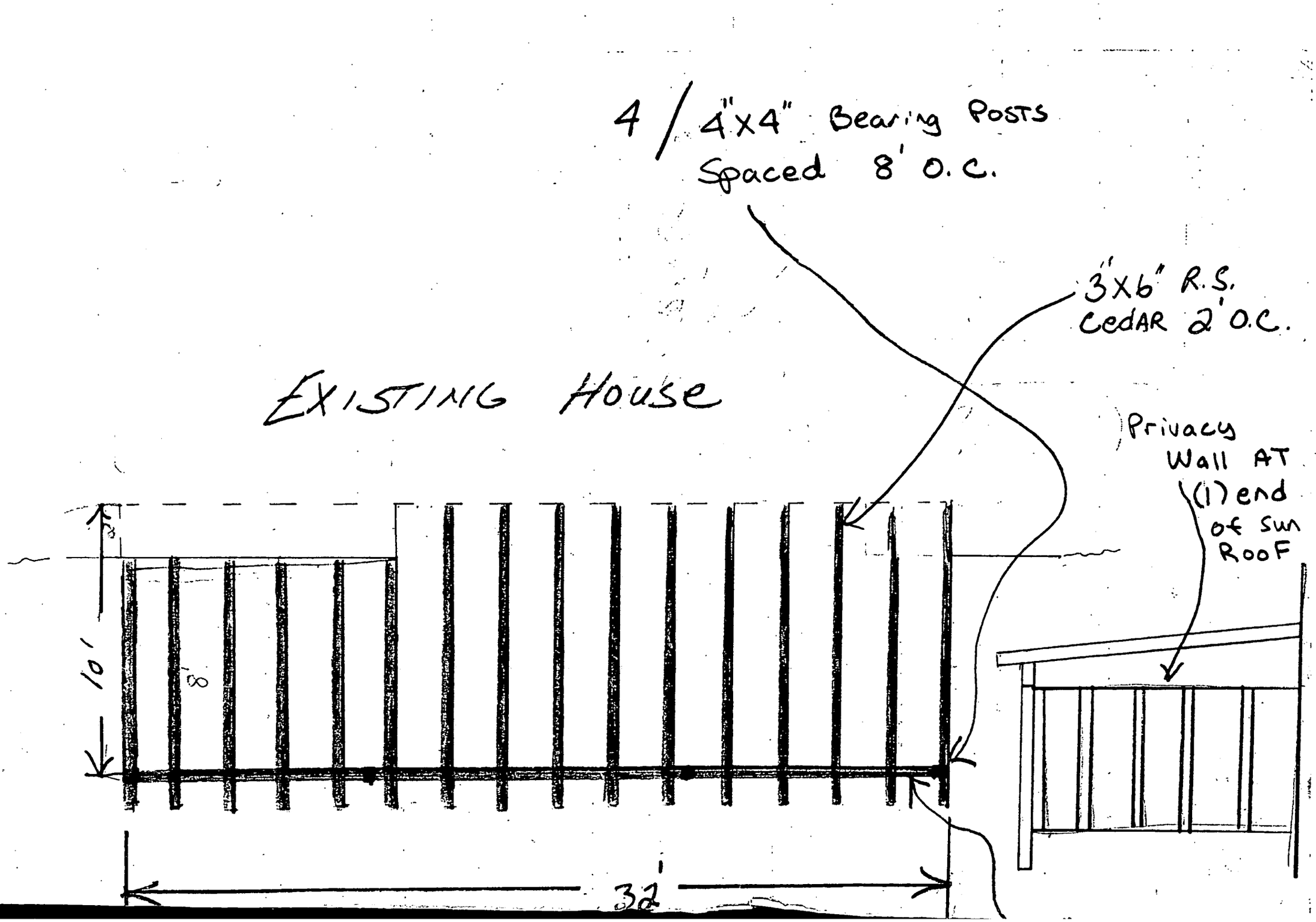

ROOF
3"x6"
RAFTER
Beams
(2' o.c.)
Sun
ROOF
4"X8"
Beam
4"X4" POSTS
EXISTING
PATIO
EXISTING
House

4 / 4"x4" Bearing Posts
Spaced 8' O.C.

3"x6" R.S.
Cedar 2' O.C.

EXISTING House

Privacy
Wall AT
(1) end
of sun
Roof



2116

SCREEN ENCLOSURE

TOWN OF SEWALL'S POINT, FLORIDA

Permit No. 2116 Date 4/27/87

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 Hugh Laylor Present Address Lot 72 Rio Vista

Phone 283-5966

Contractor Molinet Son Const Inc Address PO Box 2738 Stuart, Fla

Phone 283-7462

Where licensed Martin Co, Stuart, Pt. St. Lucie License number M.C. #32

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: Enclose existing beamed porch + screen in.

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

18 Rio Vista Drive, Sewalls Point

Subdivision Rio Vista Lot number 72 Block number ____

Contract price $ 3,500.00 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 H. W. Molinet

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 _____

TOWN RECORD

Date submitted _____ Approved: Dale Brown 4/27/87
Building Inspector Date

Approved: _____ Final Approval given: _____
Commissioner Date Date

Certificate of Occupancy issued (if applicable) _____
Date

SP1282 Permit No. 2116

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.

2713

2 SKYLIGHTS

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 LABOR Present Address 18 RIO VISTA DR.

Phone 283-5966

Contractor ALL Roof Serv. Address P.O. Box 1102

Phone 286-9798 PALM CITY, FLA

Where licensed MARTIN CO. License number CCC#16156

Electrical contractor N/A License number

Plumbing contractor N/A License number

Describe the structure, or addition or alteration to an existing structure, for which this permit is sought: INSTALL (TWO) (2) SF LIGHTS

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

Subdivision _____ Lot number ___ Block number ___

Contract price $ 400. 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 SAM Bass Supt.

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 _____

TOWN RECORD

Date submitted _____ Approved: Dale Brown 2/14/90
Building Inspector Date

Approved: _____ 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.

3924

ROOM ADDITION

Have Builder

DATE _____

TAX FOLIO NO. _____

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

3924

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 Mr. & Mrs. Baker Sally Lalor Baker Present address 18 Rio Vista Dr.

Phone 283-5966

Contractor R.L.M. Construction Address P.O. Box 94-7012 Stuart, Fl. 34996

Phone 287-7573

Where licensed State License number CG-C044315

Electrical Contractor R.M.S. License number

Plumbing Contractor N/A License number

Describe the structure, or addition or alteration to an existing structure, for which this permit is sought: Rppm addition (10' X 23')

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

18 Rio Vista Dr. Stuart, Fl. 34996

Subdivision Rio Vista Lot Number 72 Block Number Book 6 page 95

Contract price $ 11,900.00 Cost of permit $ 298.76

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 L Macy

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.

RECEIVED FEB 5 1996

Owner Sally Lalor Baker

TOWN RECORD

Date submitted 2/2/96 Approved: Dale Brown 2/6/96
Building Inspector Date

Approved: _____ Final approval given: _____
Commissioner Date Date

CERTIFICATE OF OCCUPANCY issued (if applicable) _____
Date

PERMIT NO. _____

SP1282
3/94

NOTICE OF COMMENCEMENT

STATE OF Florida
COUNTY OF Martin

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 72 Rio Vista Sub.book 6 page 95 Martin Co.

General description of improvements: Room addition (10'X 23')

Owner: Mr. & Mrs Baker
Address: 18 Rio Vista Stuart,Florida 34996

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

Contractor: R.L.M.Construction
Address: P.O.Box 94-7012 Stuart,Fl. 34996

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: N/A
Address:

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: R.L.M.Construction
Address: P.O.Box 94-7012 Stuart,Fl. 34996

Sally Lalor Baker

Sworn to and subscribed before me this 2nd day of February, 1996

Joan H. Barrow

(NOTARY SEAL)

I am a Notary Public of the STATE OF Florida AT LARGE, and My Commission Expires:

OFFICIAL NOTARY SEAL
JOAN H BARROW
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO. CC [illegible]
MY COMMISSION EXP. NOV. 30,1998

FORM 1000-C-91
SMALL ADDITIONS AND RENOVATIONS

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Section 10 — Residential Prescriptive Compliance Method

Department of Community Affairs

Climate Zones
SOUTH 7 8 9

Compliance with Section 10 of the Florida Energy Efficiency Code may be demonstrated by use of Form 1000C-91 for additions of 600 square feet or less, and renovations to single and multifamily residences. Alternative methods are provided for additions by use of Form 1000A-91 or 900A-91.

PROJECT NAME:	ADDITION	**BUILDER:**	
AND ADDRESS:	18 RIO VISTA DRIVE SEWALLS POINT	**PERMITTING OFFICE:**	SEWALL'S PT.
		CLIMATE ZONE:	7 [ ] 8 [✓] 9 [ ]
OWNER:	BAKER/LALOR	**PERMIT NO.:**	
		JURISDICTION NO.:	531300

NEW CONSTRUCTION [ ]	If Multifamily, number of units covered by this submittal: [ ]	CONDITIONED FLOOR AREA: 230 SQ. FT.	**NEW GLASS AREA AND TYPE**	
ADDITION [X]			Clear	Tint, Film, Solar Screen
MULTIFAMILY ATTACHED [ ]		PREDOMINANT EAVE OVERHANG LENGTH: 1.0 FT.	Single-pane: 32 SQ. FT.	Single-pane: SQ. FT.
SINGLE-FAMILY DETACHED [X]		PORCH OVERHANG LENGTH: FT.	Double-pane: SQ. FT.	Double-pane: SQ. FT.

FOR ADDITIONS ONLY	**WALL TYPE AND INSULATION**		**CEILING TYPE AND INSULATION**	**FLOOR TYPE AND INSULATION**	
	WOOD FRAME	MASONRY		WOOD	MASONRY
PERCENTAGE OF GLASS TO FLOOR: 13 %	EXTERIOR: R= 11	EXTERIOR: R= [X]	UNDER ATTIC: R=	RAISED: R=	RAISED: R=
	ADJACENT: R=	ADJACENT: R= [X]	SINGLE ASSEMBLY: R= 19.0	COMMON: R=	COMMON: R=
	COMMON: R=	COMMON: R= [X]	COMMON: R=	SLAB-ON-GRADE: R= 0.0	

DUCTS	**COOLING SYSTEM**	**HEATING SYSTEM**	**HOT WATER SYSTEM**	
In Unconditioned Space R= 6.0	[ ] Central	[ ] Electric Strip	[ ] Electric	[ ] Solar
In Conditioned Space R=	[ ] Room	[ ] Natural Gas	[ ] Natural Gas	[ ] Heat Recovery
	[ ] PTAC	[ ] Room Unit/PTHP	[ ] Other Fuels	[ ] Dedicated Heat Pump
	[X] No New System	[X] No New System	[X] No New System EF=	SF/EF=
	[ ] None	[ ] Heat Pump		
	SEER/EER=	[ ] Other Fuels		
		[ ] None		
		COP/HSPF/AFUE=	NUMBER OF BEDROOMS= 3	

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

PREPARED BY: Mary Dovath DATE: 1/23/96

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

OWNER AGENT: _____ DATE: _____

Review of 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.

BUILDING OFFICIAL: _____

DATE: _____

TABLE 10A MINIMUM REQUIREMENTS FOR ALL PACKAGES

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Windows	904.1	Maximum of 0.34 CFM per linear foot of operable sash crack (includes sliding glass doors).	✓
Exterior & Adjacent Doors	904.1	Maximum of 0.5 CFM per sq. ft. of door area: solid core, wood panel, insulated or glass doors only.	
Exterior Joints & Cracks	904.1	To be caulked, gasketed, weatherstripped or otherwise sealed.	
Sole & Top Plates	903.2	Sole plates and penetrations through top plates of exterior walls must be sealed.	✓
Infiltration Barrier	903.2	Infiltration barrier must be installed in exterior walls & raised wood floors.	
Interior Joints & Cracks	903.2	All openings in interior surfaces of ceilings and exterior walls must be sealed.	
Fireplaces	903.2	Fireplaces must have flue dampers, glass doors and outside combustion air intakes.	
Exhaust Fans	903.2	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	
Water Heaters	904.2	Comply with efficiency requirements in Table 9-7A. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	904.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have minimum thermal efficiency of 78%.	
Hot Water Pipes	904.4	Insulation is required only for recirculating systems, including heat recovery units. In such cases, piping heat loss shall be limited to a maximum of 17.5 BTUH per linear foot of pipe.	
Shower Heads	904.5	Water flow must be restricted to no more than 3 gallons per minute at 80 PSIG.	
HVAC Duct Construction, Insulation & Installation	904.6	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section 904.6. Ducts in unconditioned space and air handlers located in attics must be insulated to a minimum R-4.2 (R-6 after 1/1/92).	
HVAC Controls	904.7	Separate readily accessible manual or automatic thermostat for each system.	
Renovations Only Glass	1003.0	Meets the requirements of sec. 1003.0. See step 3 of page 2 of this form.	

TABLE 10B. Prescriptive Requirements for Small Additions (600 Sq.Ft. and Less) and for Renovations to Existing Buildings.

	COMPONENT	MINIMUM INSULATION	INSULATION INSTALLED
WALLS	Concrete	R-5	
	Wood frame, 2' x 4'	R-11	R-11
	Wood frame, 2' x 6'	R-19	
	Common, Wood frame*	R-11	
	Common, Masonry*	R-3	
CEILINGS	Under attic	R-30	
	Single assembly	R-19	R-19
	Common, Wood frame*	R-11	
FLOORS	Slab-on-grade	No Minimum	✓
	Raised wood	R-11	
	Raised concrete	R-5	
	Common, Wood frame*	R-11	
DUCT	In unconditioned space	1991 R-4.2 1992 R-6	R-6
	In conditioned space	No Minimum	

	EQUIPMENT	MINIMUM EFFICIENCY	INSTALLED EFFICIENCY
		1991 1992	
COOL	Central A/C	SEER = 9.0 10.0	SEER =
	Room unit or PTAC	EER = 8.5 8.5	EER =
SPACE HEATING	Electric Resistance	ANY	
	Heat Pump	HSPF = 6.4 6.8	HSPF =
	Room unit or PTHP	COP = 2.6 2.7 HSPF = 6.1 6.1	HSPF/ = COP
	Gas, natural or propane	AFUE = .70 .78	AFUE =
	Fuel Oil	AFUE = .76 .78	AFUE =
HOT WATER	Electric Resistance	EF = .88	EF =
	Gas, natural or propane	EF = .54	EF =
	Fuel Oil	EF = .54	EF =

*Common components are those which separate two conditioned living units in a multifamily building.

TABLE 10C. Prescriptive Requirements for Glass Areas in ADDITIONS ONLY (Renovations see 3 below)

Maximum percentage glass to floor area allowed is selected by type, overhang length, and shading coefficient. See below. Maximum % = 30 Installed % = 13

GLASS TYPE, OVERHANG, AND SHADING COEFFICIENT (TINTING) REQUIRED FOR GLASS PERCENTAGE ALLOWED

UP TO 20%		UP TO 30%		UP TO 40%		UP TO 50%	
Single	Double	Single	Double	Single	Double	Single	Double
OH - SC	OH - SC	OH - SC	OH - SC	OH - SC	OH - SC	OH - SC	OH - SC
1' - 1.0 0' - .86	0' - .90	2' - 1.0 1' - .86 0' - .65	1' - .90 0' - .70	3' - 1.0 2' - .86 1' - .65 0' - .45	2' - .90 1' - .70 0' - .50	4' - 1.0 3' - .86 2' - .65 1' - .45 0' - .35	3' - .90 2' - .70 1' - .50 0' - .40

Shading coefficients (SC) may be obtained from the manufacturer of the glass. Typical shading coefficients are: single-paned clear SC = 1.0, double-paned clear SC = .90, and single-paned tint SC = .86.

Form 1000C may be used to comply the following types of construction:

SMALL ADDITIONS TO EXISTING RESIDENCES. Additions which have 600 square feet or less of conditioned area may comply with the Energy Code using this form. The prescriptive requirements in Tables 10A, 10B and 10C apply only to the components of the addition, not to the existing building. Space heating, cooling, and water heating equipment efficiency levels must be met only when equipment is installed specifically to serve the addition or is being installed in conjunction with the addition construction. Components separating unconditioned spaces from conditioned spaces must meet the prescribed minimum insulation levels.

RENOVATIONS. Residential buildings undergoing renovations costing more than 30% of the assessed value of the building must comply with the Energy Code using this form. The prescriptive requirements in Tables 10A and 10B apply only to the components and equipment being renovated or replaced.

GENERAL DIRECTIONS:

1. On the left side of Table 10B in the column titled "INSULATION INSTALLED", indicate the R-value of the insulation being added to each component. On the right side of Table 10B indicate the efficiency levels of the equipment being installed in the column titled "EFFICIENCY INSTALLED". All R-values and efficiencies installed must meet or exceed the minimum values prescribed in the preceding column for that component. Components and equipment neither being added nor renovated may be left blank.
2. ADDITIONS ONLY. Determine the percentage of new glass to conditioned floor area in the addition as follows. Total the areas of all glass windows, sliding glass doors and glass panels in doors which are more than ⅓ of the area of the door. Double the area of all non-vertical roof glass and add it to the previous total. When glass in existing exterior walls is being removed or enclosed by the addition, an amount equal to the total area of this glass may be subtracted from the total glass area. Divide the adjusted glass area total by the conditioned floor area of the addition. Multiply by 100 to get the percent. Find the largest glass percentage under which your calculated percentage falls on Table 10C. For example, 29% glass would qualify for the "Up to 30%" column. Prescriptives are given by the type of glass (Single or Double pane) and the overhang (OH) paired with a shading coefficient (SC). Any pair within the selected "Up To ____" category is acceptable. For a given glass type and overhang, the maximum shading coefficient allowed is specified. Indicate the category into which the percentage falls in the box at the top titled "Maximum % = ____". In the next column titled "Installed", indicate the calculated percentage of glass in the addition. Actual glass windows and doors previously in the exterior walls of the house and being reinstalled in the addition, do not have to comply with the overhang and shading coefficient requirements on Table 10C. All new glass in the addition must meet the requirements for one of the options in the glass percentage category you indicated. The overhang (OH) distance is measured perpendicularly from the face of the glass to a point directly under the outermost edge of the overhang.
3. RENOVATIONS ONLY. Only glass areas which are being replaced as part of the renovations need to meet the following requirements. Any glass type and shading coefficient may be used for glass areas which are under at least a two foot overhang and whose lowest edge does not extend further than 8 feet from the overhang. Glass areas being renovated that do not meet this criteria must be either single-pane tinted, double-pane clear, or double-pane tinted.
4. Complete the information requested on the top half of page 1.
5. Read "Minimum Requirements for Small Additions and Renovations", Table 10A on page 1, and check to indicate your intention to comply with all applicable items.
6. Read, sign and date the "Owner/Agent" certification statement on page 1.

7345

REROOF

MASTER PERMIT NO. _____

TOWN OF SEWALL'S POINT

Date 2/25/05 **BUILDING PERMIT NO.** 7345

Building to be erected for BAKER Type of Permit REROOF

Applied for by FLORIDA ROOFING (Contractor) Building Fee _____

Subdivision RIO VISTA Lot 72 Block _____ Radon Fee _____

Address 18 RIO VISTA DRIVE Impact Fee _____

Type of structure SFR A/C Fee _____

Electrical Fee _____

Parcel Control Number: Plumbing Fee _____

123841002 0000072060000 Roofing Fee 120.00

Amount Paid 120.00 Check # 1087 Cash _____ Other Fees (_____) /

Total Construction Cost $ 10,175 TOTAL Fees 120.00

Signed _____ Signed _____

Applicant Town Building Official

PERMIT

- ☐ BUILDING
- ☐ PLUMBING
- ☐ DOCK/BOAT LIFT
- ☐ SCREEN ENCLOSURE
- ☐ FILL
- ☐ TREE REMOVAL
- ☐ ELECTRICAL
- ☒ ROOFING
- ☐ DEMOLITION
- ☐ TEMPORARY STRUCTURE
- ☐ HURRICANE SHUTTERS
- ☐ STEMWALL
- ☐ MECHANICAL
- ☐ POOL/SPA/DECK
- ☐ FENCE
- ☐ GAS
- ☐ RENOVATION
- ☐ 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	

FEB 1 5 7005

BY:

Town of Sewall's Point
BUILDING PERMIT APPLICATION

Permit Number:_____

Date: 2/14/05

X OWNER/TITLEHOLDER NAME: Sally BAKER Phone (Day) _____ (Fax) 772-462-4123

Job Site Address: 18 RIO VISTA DR City: SEWALLS PT State: FL Zip: 34996

Legal Desc. Property (Subd/Lot/Block) S/D LOT - 72 Parcel Number: 12-38-41-002-000-00720-6

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

Description of Work To Be Done: REPLACE ROOF SHINGLES

WILL OWNER BE THE CONTRACTOR?:

YES (NO)

(If no, fill out the Contractor & Subcontractor sections below)

(If yes, Owner Builder Affidavit must accompany application)

COST AND VALUES:

Estimated Cost of Construction or Improvements: $ 12,575.00
(Notice of Commencement needed over $2500)

Estimated Fair Market Value prior to Improvement: $_____

Is Improvement cost 50% or more of Fair Market Value? YES NO

Method of Determining Fair Market Value: _____

CONTRACTOR/Company: Florida ReRoofing Phone: 772-232-0701 Fax: 772-232-0702

Street: 2650 - N.E. Dixie Hwy City: Jensen Beach State: FL Zip: 34957

State Registration Number: _____ State Certification Number: _____ Martin County License Number: CRF 64049

SUBCONTRACTOR INFORMATION:

Electrical: _____ State: _____ License Number: _____

Mechanical: _____ State: _____ License Number: _____

Plumbing: _____ State: _____ License Number: _____

Roofing: _____ State: _____ License Number: _____

ARCHITECT _____ Lic.#: _____ Phone Number: _____

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

ENGINEER _____ Lic# _____ Phone Number: _____

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

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

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 Energy Code: 2001 Florida Building Code (Structural, Mechanical, Plumbing, Gas): 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.

X OWNER OR AGENT SIGNATURE (required) David Kelso Power of Attorney

State of Florida, County of: ST LUCIE

This the 14th day of FEBRUARY, 2005

by DAVID KELSO who is personally known to me or produced Personally Known as identification. Donna M. Greene

My Commission Expires: _____

DONNA M. GREENE
Notary Public - State of Florida
My Commission Expires Nov 7, 2008
Commission # DD 307647
Bonded By National Notary Assn.

CONTRACTOR SIGNATURE (required) _____

On State of Florida, County of: MARTIN

This the 15th day of February 2005

by Curtis Dickay who is personally known to me or produced _____

As identification. _____

Notary Public

My Commission Expires: July 25, 2007

Seal

ROSALIND M. GREEN
MY COMMISSION # DD 209368
EXPIRES: July 25, 2007
Bonded Thru Notary Public Underwriters

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

Town of Sewall's Point
BUILDING PERMIT APPLICATION

Date: _____ Permit Number: _____

OWNER/TITLEHOLDER NAME: SALLY R BAKER Phone (Day) 528-7932 (Fax) _____

Job Site Address: 18 RED VESTA DR, City: SEWALLS PT State: FL Zip: 34996

Legal Desc. Property (Subd/Lot/Block) SD - LOT-72 SEWALLS POINT Parcel Number: _____

Owner Address (if different): 1706 NE INDIAN RIVER DR City: JENSEN BCH State: FL Zip: 34957

Description of Work To Be Done: REPLACE ROOF

WILL OWNER BE THE CONTRACTOR?:

YES (NO)

(If no, fill out the Contractor & Subcontractor sections below)

(If yes, Owner Builder Affidavit must accompany application)

COST AND VALUES:

Estimated Cost of Construction or Improvements: $ 10,175.00

(Notice of Commencement needed over $2500)

Estimated Fair Market Value prior to Improvement: $ _____

Is Improvement cost 50% or more of Fair Market Value? YES (NO)

Method of Determining Fair Market Value: TAX APPRAISAL

CONTRACTOR/Company: Florida Re Roofing Phone: 232-0701 Fax: _____

Street: 2650 N.E. DIXIE HWY City: JENSEN BCH State: FL Zip: 34957

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

SUBCONTRACTOR INFORMATION:

Electrical: _____ State: _____ License Number: _____

Mechanical: _____ State: _____ License Number: _____

Plumbing: _____ State: _____ License Number: _____

Roofing: Florida Re Roofing - 2650 N.E Dixie Hwy State: FL License Number: CRC-064049

ARCHITECT _____ Lic.#: _____ Phone Number: _____

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

ENGINEER _____ Lic# _____ Phone Number: _____

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

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

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: Florida Building Code (Structural, Mechanical, Plumbing, Gas): 2001 Florida Accessibility Code: 2001 National Electrical Code: 2002 Florida Energy 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)

Sally R Baker

State of Florida, County of: MARTIN

This the 22ND day of FEBRUARY, 2005

by SALLY R. BAKER who is personally known to me ~~or produced~~ _____ as identification. Catherine J Miles

Notary Public

My Commission Expires: JUNE 2, 2007

Seal

CONTRACTOR SIGNATURE (required)

Curtis Dickey

On State of Florida, County of: Martin

This the 23 day of February, 2005

by Curtis Dickey who is personally known to me or produced _____ As identification. _____

Notary Public

My Commission Expires: 8/5/2006

Seal

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

Catherine J. Miles
Commission #DD219046
Expires: Jun 02, 2007
Bonded Thru
Atlantic Bonding Co., Inc.

MIMI BENTON
MY COMMISSION # DD 139024
EXPIRES: August 5, 2006
Bonded Thru Notary Public Underwriters

TO BE COMPLETED WHEN CONSTRUCTION VALUE EXCEEDS $2500.00

PERMIT #_____ 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):
15 RED VESTA DR, SEWALL'S POINT, FL 34996

GENERAL DESCRIPTION OF IMPROVEMENT: REPLACE ROOF TILES

X OWNER: SALLY R. BAKER
ADDRESS: 1700 INDIAN RIVER DR, #301, JENSEN BEACH, FL 34957 FAX #:
PHONE #: 538-7932

INTEREST IN PROPERTY: OWNER

NAME AND ADDRESS OF FEE SIMPLE TITLE HOLDER(IF OTHER THAN OWNER):

CONTRACTOR: FLORIDA ROOFING
ADDRESS: 2650 N.E. DIXIE HWY, JENSEN BCH, FL 34957 FAX #:
PHONE #:

STATE OF FLORIDA
MARTIN COUNTY
THIS IS TO CERTIFY THAT THE FOREGOING ___ PAGES IS A TRUE AND CORRECT COPY OF THE ORIGINAL.
MARSHA EWING, CLERK
BY: _____ D.C.
DATE: 2-24-05

SURETY COMPANY(IF ANY):
ADDRESS:
PHONE #:
BOND AMOUNT:

LENDER/MORTGAGE COMPANY:
ADDRESS:
PHONE #:

INSTR # 1817099
OR BK 01985 PG 0841
RECORDED 02/24/2005 01:14:19 PM
MARSHA EWING
CLERK OF MARTIN COUNTY FLORIDA
RECORDED BY T Copus (asst mgr)

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: DAVID KELSO
ADDRESS: 26 RED VESTA DR, SEWALLS POINT, FL 34996 FAX #:
PHONE #: 538-7932

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

X Sally R Baker
SIGNATURE OF OWNER

SWORN TO AND SUBSCRIBED BEFORE ME THIS 22ND DAY OF FEBRUARY 22 20 05
BY SALLY R. BAKER

PERSONALLY KNOWN ✓
OR PRODUCED ID
TYPE OF ID

Catherine J Miles
NOTARY SIGNATURE

NOTARY PUBLIC STATE OF FLORIDA
Catherine J. Miles
Commission #DD219046
Expires: Jun 02, 2007
Bonded Thru
Atlantic Bonding Co., Inc.

/data/bld/bldg_forms/Current.forms/noc.aw

02/06/03

Martin County Building Department

2401 SE Monterey Road
Stuart, Fl 34996
(772) 288-5482
Fax (772) 288-5911

DICKEY, CURTIS E
FLORIDA RE-ROOFING INC/TEXXON RE-ROOF
503 BRUCE CT
OVILLA, TX 75154

NOTICE TO ALL CONTRACTORS

PLEASE BE ADVISED THAT MARTIN COUNTY, FLORIDA SECTION 43.42 REQUIRES COMPLIANCE WITH THE FOLLOWING EXERPT FROM THE GENERAL ORDINANCES OF THE MARTIN COUNTY CODE:

PROHIBITED ACTIVITIES:

43.42 R Advertising contracting work in any advertisement to the public in a newspaper or telephone directory without including in the advertisement the number of the contractor license issued to the person or business being advertised.

43.42 S Operating any commercial vehicle in the course of conducting the practice of contracting that fails to display the contractor license number of the contractor.

If you have any questions relating to the information in this letter , please contact the Martin County Contractor's Licensing Division of the Martin County Building Department.

MARTIN COUNTY, FLORIDA
Construction Industry Licensing Board
Certificate of Competency

ROOFING CONTRACTOR

License Number CRFG4049 Expires: 03-MAY-05

DICKEY, CURTIS E
FLORIDA RE-ROOFING INC/TEXXON RE-ROOF
503 BRUCE CT
OVILLA, TX 75154

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 01/19/2005

PRODUCER
C F Insurance Services, Inc.
218 South Lake Avenue
P.O. Box 1189
Apopka FL 32704-1189

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED
Texxon Re-Roofing D.B.A. Florida Re-Roofing
1501 Commerce Ave. #51

Haines City FL 33844

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: AMERICAN SAFETY INSURANCE COMPANY	
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC	GL930117	11/02/2004	11/02/2005	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 300,000 $ 50,000 $ 1,000 $ 300,000 $ 300,000 $ 300,000
		AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
		GARAGE LIABILITY ANY AUTO				AUTO ONLY - EA ACCIDENT OTHER THAN AUTO ONLY: EA ACC AGG	$ $ $
		EXCESS/UMBRELLA LIABILITY OCCUR CLAIMS MADE DEDUCTIBLE RETENTION $				EACH OCCURRENCE AGGREGATE	$ $
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				WC STATUTORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

Att: Laura
Fax to 1772-220-4765

CERTIFICATE HOLDER

Town of Sewall's Point
1South Sewall's Point Blvd.

Sewall's Point, FL 34996

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE <MJD>

ACORD CERTIFICATE OF LIABILITY INSURANCE

CERTIFICATE NO. / DATE
ACOS-12900019-185340
1/19/2005 1:22:33 PM

PRODUCER
Eisenmann Risk Placements, Inc.
14160 Dallas Parkway, Suite 500
Dallas, TX 75254
(972) 764-0965 Fax: (972) 404-4450

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE

INSURED
TEXXON RE-ROOFING, INC DBA FLORIDA RE-ROOFING
2650 NE DIXIE HIGHWAY
JENSEN BEACH, FL 34957
(772) 232-0701 Fax: (772) 232-0702

INSURER A: PROVIDENCE PROPERTY & CASUALTY INSURANCE COMPA
INSURER B:
INSURER C:
INSURER D:
INSURER E:

COVERAGES

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INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
	GENERAL LIABILITY				EACH OCCURRENCE	$
	☐ COMMERCIAL GENERAL LIABILITY				FIRE DAMAGE (Any One Fire)	$
	☐ CLAIMS MADE ☐ OCCUR				MED EXP (Any one person)	$
					PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:				GENERAL AGGREGATE	$
	☐ POLICY ☐ PROJECT ☐ LOC				PRODUCTS - COMP/OP AGG	$
	AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO				BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS				BODILY INJURY (Per accident)	$
	☐ SCHEDULED AUTOS				PROPERTY DAMAGE (Per accident)	$
	☐ HIRED AUTOS					
	☐ NON-OWNED AUTOS					
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	$
	☐ ANY AUTO				OTHER THAN AUTO ONLY: EA ACC	$
					AGG	$
	EXCESS LIABILITY				EACH OCCURRENCE	$
	☐ OCCUR ☐ CLAIMS MADE				AGGREGATE	$
	DEDUCTIBLE					$
	RETENTION $					$
						$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	WC0100086	12/1/2004	12/1/2005	X WC STATUTORY LIMITS ☐ OTHER	
					E.L. EACH ACCIDENT	$ 1000000
					E.L. DISEASE - EA EMPLOYEE	$ 1000000
					E.L. DISEASE - POLICY LIMIT	$ 1000000
	OTHER					
	☐				LIMITS	$
					LIMITS	$

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

1. Insured is afforded Workers Compensation & Employers Liability as a co-employer under the policy for employees leased from AMS Staff Leasing, Inc. 2. This certificate remains in effect, provided the client's account is in good standing with AMS. Coverage is not provided for any employee for which the client is not reporting wages to AMS. Applies to 100% of the employees of AMS leased to TEXXON RE-ROOFING, INC DBA FLORIDA RE-ROOFING, effective 12/01/2004.
PLEASE SEE ATTACHED EMPLOYEE ROSTER.

CERTIFICATE HOLDER ☐ ADDITIONAL INSURED; INSURER LETTER:

SEWALL'S POINT
ONE SOUTH SEWALL'S POINT RD
SEWALL'S POINT, FL 34996

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES

AUTHORIZED REPRESENTATIVE

ACORD 25-S (7/97)

Jan 19 05 04:29p Classaff 9417611312 p.1

MIAMI-DADE

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

NOTICE OF ACCEPTANCE (NOA)

Elk Corporation of Alabama
4600 Stillman Blvd.
Tuscaloosa, AL 35401

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 the BCCO and accepted by the Building Code and Product Review Committee 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 BCCO (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. BCCO reserves the right to revoke this acceptance, if it is determined by BCCO 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 South Florida Building Code, 1994 Edition for Miami-Dade County or Florida Building Code.

DESCRIPTION: Prestique 25, Prestique 30, Elk Raised Profile, or Prestique

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 consists of pages 1 through 3.
The submitted documentation was reviewed by Frank Zuloaga, RRC

FILE COPY
TOWN OF SEWALL'S POINT
THESE PLANS HAVE BEEN
REVIEWED FOR CODE COMPLIANCE
DATE: 2/16/05
BUILDING OFFICIAL
Gene Simmons

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub Category: Shingles
Materials: Laminate

1.SCOPE

This revises Elk Prestique 25, Prestique 30, Elk Raised Profile, or Prestique Fiberglass manufactured by Elk Corporation of Alabama described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County.

2. PRODUCT DESCRIPTION

Product	Dimensions	Test Specifications	Product Description
EIK Prestique 25, Prestique 30, Elk Raised Profile, or Prestique	13 ¼" x 38 ¾"	PA 110	A heavy weight laminated asphalt shingle with a propriatery profile.

3 LIMITATIONS

- **3.1** Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
- **3.2** Shall not be installed on roof mean heights in excess of 33 ft.

4 INSTALLATION

- **4.1** Shingles shall be installed in compliance with Miami-Dade County Product Control Shingle Installation Procedure No. 115.
- **4.2** Flashing shall be in accordance with Section 9.3 Option "B" (Step-flashing) of Miami-Dade County Product Control Shingle Installation Procedure No. 115
- **4.3** The manufacturer shall provide clearly written application instructions.
- **4.4** Exposure and course layout shall be in compliance with Detail 'A', attached.
- **4.5** Nailing shall be in compliance with Detail 'B', attached.

5 LABELING

- **5.1** Shingles shall be labeled with the Miami-Dade Logo or the wording "Miami-Dade County-Dade Product Control Approved".

6 BUILDING PERMIT REQUIREMENTS

- **6.1** Application for building permit shall be accompanied by copies of the following:
  - **6.1.1** This Notice of Acceptance.
  - **6.1.2** Any other documents required by the Building Official or the Applicable Building Code in order to properly evaluate the installation of this system

NOTICE OF ACCEPTANCE:EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA.)

EVIDENCE SUBMITTED

Test Agency	Test Identifier	Test Name/Report	Date
Center for Applied Engineering	PA 100	Uplift and wind driven rain resistance.	06/30/94
Underwriters Laboratories, Inc.	PA 107 ASTM 3462	Wind uplift resistance Material Properties	12/20/93 08/20/97

C.CALCULATIONS: <enter calculations received for use of coefficients>

D.MATERIAL CERTIFICATIONS: NONE

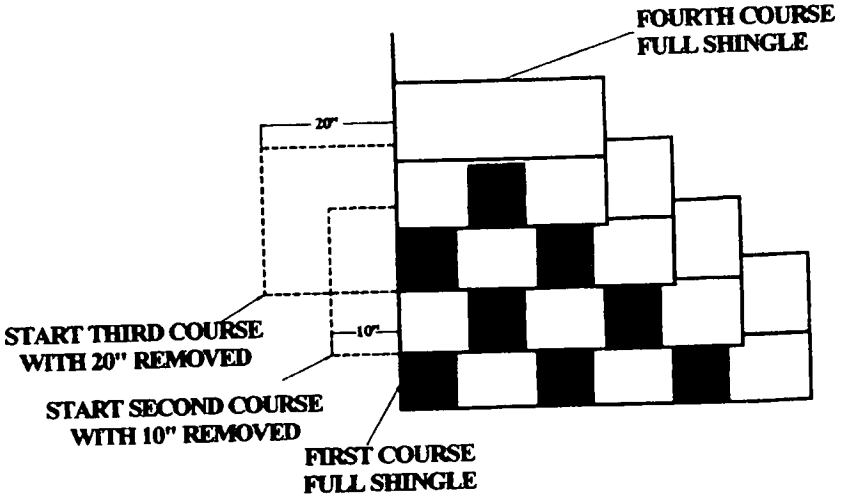
E.STATEMENTS: NONE

F. OTHER

1. Association member <enter name of association and its approval document number>

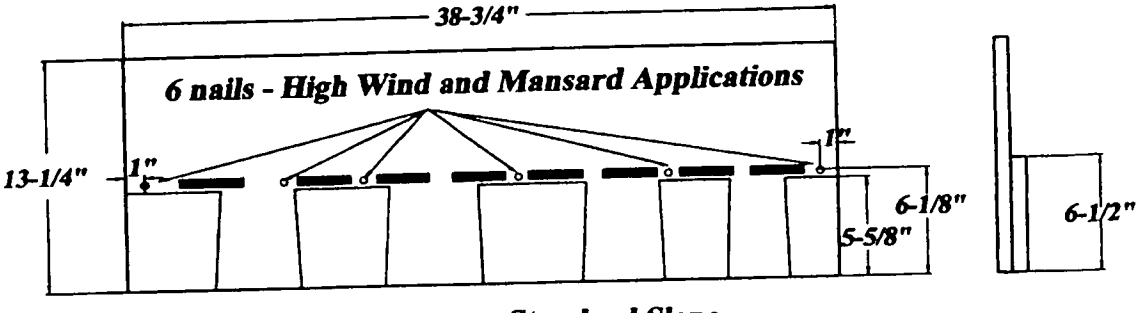
Notice of Acceptance number 00-0720.03

DETAIL A



DETAIL B

Elk Prestique 25, Prestique 30, Elk Raised Profile, and Prestique



4 Fasteners - Standard Slope

END OF THIS ACCEPTANCE

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: ☐ Mon ☒ Wed ☐ Fri 3/2, 2005 Page 2 of

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7233	CLEMENTS	POOL REMOVAL	PASS	
1	6 MIDDLE RD	PRE POUR FOOTERS		
	OLB			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7345	BAUER [redacted]	DRY-IN	FAIL	
6	18 RIO VISTA DR			
	FLORIDA REROOFING			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
TREE	STEWART	TREE	PASS	
13	2 KNOWLES RD			
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7328	SCHRADER	FOOTER STEEL	FAIL	REINSPECTED CORRECTIONS
5	102 HENRY SEWALL	PRE POUR	PASS	
	CONWAY			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
6719	DONOHUE	ROUGH PLUMBING	FAIL	
4	163 S. SEWALLS PT	0006-		
	HALL-SAMMONS	263-3400		INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
TREE	TOPPING	TREE	PASS	
2	7 MIDDLE ROAD			
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7314	MUIR	DRY-IN	FAIL	
14	14 PERRIWINKLE LA			
	AFTERMATH CONST.			INSPECTOR:

OTHER:

7345

TOWN OF SEWALL'S POINT
One South Sewall's Point Road
Sewall's Point, Florida 34996
(561) 287-2455

CORRECTION NOTICE

ADDRESS: 18 RIO VISTA

I have this day inspected this structure and these premises and have found the following violations of the City, County, and/or State laws governing same.

DRY-IN

DRIP EDGES TO BE NAILED @ 4" O.C.

PLYWOOD TO BE NAILED PER FLA. BLDG. CODE.

You are hereby notified that no work shall be concealed upon these premises until the above violations are corrected. When corrections have been made, call for an inspection.

DATE: 3/2

INSPECTOR

DO NOT REMOVE THIS TAG

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: ☐ Mon ☐ Wed ☒ Fri 3/4, 2005 **Page** 1 **of** ____

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7231	SCHMIDT	~~FINAL REMODEL~~	PASS	
10	15 HERITAGE WAY	WINDOW BUCK		
	O/B			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7321	BAY TREE LODGE	FLAT ROOF IN PROG	—	TOO WET TO WALK
2	143 S. RIVER RD			ROOF WILL RESCHEDULE
	STUART ROOFING			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7353	CHONTOS	STEEL + DRAIN	FAIL	
5	835 SEWALL'S PT	SPA		
	ADVANTAGE POOLS			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
6876	PETERSON	INSULATION	FAIL	
8	49 RIO VISTA			
	DRIFTWOOD			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
~~7345~~	~~BAKER~~	DRY-IN	PASS	
1	18 RIO VISTA DR			
	FLORIDA ROOFING	(1ST EARLY PLEASE)		INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7144	ADESADA	BACKFILL RETWALL	PASS	CLOSE
9	8 MORGAN CIRCLE	FINAL		
	O/B			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
6753	RADER	ROOF SHEATHING	—	RESCHEDULE FOR
11	5 HERITAGE WAY			EARLY MONDAY 3/7
	A & P CONST.			INSPECTOR:

OTHER:

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: ☐ Mon ☐ Wed ☒ Fri 8-3, 2007 Page 1 of 1

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8405	Ayers	Dock + boathouse	PASS	
3	15 S River Rd			
	Custom built Marine			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8676	Hill	Final-generator	PASS	CLOSE
5	48 N. River Rd			
	Wise Elect			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8563	Kelso	Final-nurse	PASS	CLOSE
1	18 Rio Vista			
	Sanco			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
1345	(old permit)	FROM FEB 2005	PASS	CLOSE
1	18 Rio Vista	Roof final		
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8589	Hardin	main house wall steel	PASS	
2	275 River Rd			
	Stadicon			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8688	Poole	Roof final	PASS	
4	94 N Sewalls			
	Wade White			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8673	Jones	Final fence	PASS	CLOSE
6	2 Fieldway	~~OLD~~		
	OB			INSPECTOR:
OTHER:		FRAMING	FAIL	
1A	5 MANDALAY. MASTERPIECE			

8371

REMODEL

(MCPN-SP01-20060117)

MASTER PERMIT NO. 8371

TOWN OF SEWALL'S POINT

Receipt

Date 9-6-06

BUILDING PERMIT NO. 8372

Building to be erected for Kelso

Type of Permit Sub-Plumbing

Applied for by Lee Connection (Contractor)

Building Fee

Subdivision Rio Vista Lot 72 Block

Radon Fee

Address 16 Rio Vista DR

Impact Fee See

Type of structure SFR

A/C Fee

Qualifier Carl Lee Marion

Electrical Fee PW

FLHIC# CFC 033824

Parcel Control Number:

Plumbing Fee $371

Roofing Fee

Amount Paid ~~Check #~~ ~~Cash~~ Other Fees ( )

Total Construction Cost $

TOTAL Fees

Signed Carl Lee Marion Signed Valerie Meyer

Applicant Town Building ~~Official~~ Dept Clerk

PERMIT

- ☐ BUILDING
- ☒ PLUMBING
- ☐ DOCK/BOAT LIFT
- ☐ SCREEN ENCLOSURE
- ☐ FILL
- ☐ TREE REMOVAL
- ☐ ELECTRICAL
- ☐ ROOFING
- ☐ DEMOLITION
- ☐ TEMPORARY STRUCTURE
- ☐ HURRICANE SHUTTERS
- ☐ STEMWALL
- ☐ MECHANICAL
- ☐ POOL/SPA/DECK
- ☐ FENCE
- ☐ GAS
- ☐ RENOVATION
- ☐ 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	

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY) 08/22/06

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PRODUCER
Great Florida Insurance
955 S. Federal Hwy. Suite 102
Stuart, FL 34994
(772)283-2933

INSURED
PIPE CONNECTION INC
PO BOX 683
PALM CITY, FL 34990

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: WESTERN WORLD INSURANCE CO	
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

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INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	☐	GENERAL LIABILITY ☑ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☐ OCCUR ☐ ☐ GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PROJECT ☐ LOC	NPP985607	09/16/05	09/16/06	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	100,000.00 50,000.00 5,000.00 100,000.00 200,000.00 100,000.00
	☐	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON OWNED AUTOS ☐ ☐				COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) AUTO ONLY - EA ACCIDENT	
	☐	GARAGE LIABILITY ☐ ANY AUTO ☐				OTHER THAN AUTO ONLY: EA ACC AGG	
	☐	EXCESS LIABILITY ☐ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE ☐ RETENTION				EACH OCCURRENCE AGGREGATE	
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER / MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				☐ WC STATU-TORY LIMITS ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

PLUMBING

CERTIFICATE HOLDER

SEWALL'S POINT BUILDING DEPT.
TOWN OF SEWALL'S POINT
1 SOUTH SEWALLS POINT RD.
SEWALL'S POINT, FL 34996
ATTN: VALERIE 220-4785

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

ACORD. CERTIFICATE OF LIABILITY INSURANCE

OP ID MK AULTB-1 | DATE (MM/DD/YYYY) 09/01/06

PRODUCER

Stuart Insurance, Inc.
3070 S W Mapp
Palm City FL 34990
Phone: 772-286-4334 Fax: 772-286-9389

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INSURED

Ault Bros, Inc.
Electrical Contractors
PO Box 1528
Port Salerno, FL 34992

INSURERS AFFORDING COVERAGE		NAIC #
INSURER A	Auto Owners Insurance Co	18988
INSURER B	Bridgefield Insurance Co	
INSURER C	Owners Insurance Company	32700
INSURER D		
INSURER E		

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
C		GENERAL LIABILITY [X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS MADE [X] OCCUP GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [ ] PRO-JECT [ ] LOC	20510668	04/01/06	04/01/07	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 100,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
A		AUTOMOBILE LIABILITY [ ] ANY AUTO [X] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [X] HIRED AUTOS [X] NON-OWNED AUTOS	95-435-045	04/01/06	04/01/07	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
		GARAGE LIABILITY [ ] ANY AUTO				AUTO ONLY - EA ACCIDENT OTHER THAN AUTO ONLY: EA ACC AGG	$ $ $
		EXCESS/UMBRELLA LIABILITY [ ] OCCUR [ ] CLAIMS MADE [ ] DEDUCTIBLE [ ] RETENTION $				EACH OCCURRENCE AGGREGATE	$ $ $ $ $
B		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below	0830 13547	04/01/06	04/01/07	[X] WC STATU-TORY LIMITS [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 100,000 $ 100,000 $ 500,000
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

Electrical Contractor - State of Florida

CERTIFICATE HOLDER

TOWNS-1

Town of Sewalls Point
1 S Sewalls Point Road
Stuart FL 34996

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE Joseph E. Coons

AC#1541621

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ELECTRICAL CONTRACTORS LICENSING BOARD

SEQ#L04081305217

DATE	BATCH NUMBER	LICENSE NBR
08/13/2004	040129215	EC0001693

The ELECTRICAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2006

AULT, MICHAEL DALE
AULT BROS., INC. ELECTRICAL CONTRACTORS
PO BOX 1528
PORT SALERNO FL 34992

JEB BUSH
GOVERNOR

DIANE CARR
SECRETARY

DISPLAY AS REQUIRED BY LAW

2005-2006 MARTIN COUNTY ORIGINAL
COUNTY OCCUPATIONAL LICENSE
Larry C. O'Steen, Tax Collector, P.O. Box 9013, Stuart, FL 34995
(772) 288-5604

LICENSE 1986-508-232 CERT EC0001693
PHONE (772)283-5520 SIC NO 02353
LOCATION:
5529 SE AULT AVE MAR

CHARACTER COUNTS IN MARTIN COUNTY

PREV. YR. $	.00	LIC. FEE $	25.00
$	.00	PENALTY $	.00
$	.00	COL. FEE $	.00
$	.00	TRANSFER $	.00
TOTAL	25.00		

IS HEREBY LICENSED TO ENGAGE IN THE BUSINESS, PROFESSION OR OCCUPATION OF MASTER ELEC.
AT LOCATION LISTED FOR THE PERIOD BEGINNING ON THE
23 DAY OF SEPTEMBER 20 05
AND ENDING SEPTEMBER 30, 2006

AULT, MICHAEL
AULT BROS INC
MICHAEL AULT
PO BOX 1528
PT SALERNO FL 34992

RECEIPT of PAYMENT
LARRY C. O'STEEN
99 09/23/2005 OCCI NORMAL
198650800232000
0220050923007784CK
6818
$25.00

09-17-2004

TOM GALLAGHER
CHIEF FINANCIAL OFFICER

STATE OF FLORIDA
DEPARTMENT OF FINANCIAL SERVICES
DIVISION OF WORKERS' COMPENSATION

CERTIFICATE OF EXEMPTION FROM FLORIDA WORKERS' COMPENSATION LAW

CONSTRUCTION INDUSTRY EXEMPTION

This certifies that the individual listed below has elected to be exempt from Florida Workers' Compensation Law.

EFFECTIVE DATE: 09/16/2004 ** EXPIRATION DATE: 09/15/2006

PERSON: MARION CECIL LE

FEIN: 800033609

BUSINESS NAME AND ADDRESS: PIPE CONNECTION INC
1058 SW 28TH ST
PALM CITY FL 34990

SCOPE OF BUSINESS OR TRADE: 1 - PLUMBING

MELLES REISSUANCE REQUIREMENTS

IMPORTANT: Pursuant to Chapter 440.05(14), F.S., an officer of a corporation who elects exemption from this chapter by filing a certificate of election under this section may not recover benefits or compensation under this chapter.

DWC-252 CERTIFICATE OF ELECTION TO BE EXEMPT REVISED 01-04 QUESTIONS? (850) 413-1609

AC# 1717998

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CFC033824 11/01/04 040406435

CERTIFIED PLUMBING CONTRACTOR
MARION, CECIL L
PIPE CONNECTION

IS CERTIFIED under the provisions of Ch.489 FS.
Expiration date: AUG 31, 2006 L04110100893

2005-2006 MARTIN COUNTY ORIGINAL
COUNTY OCCUPATIONAL LICENSE

Larry C. O'Steen, Tax Collector, P.O. Box 9013, Stuart, FL 34995
(772) 288-5604

LICENSE 996-530-016 CERT CFC033824
PHONE (772) 287-5375 SIC NO 235510
LOCATION:
4395 SW LEIGHTON FARMS AVE C

CHARACTER COUNTS IN MARTIN COUNTY

PREV. YR. $	.00	LIC. FEE $	25.00
$	.00	PENALTY $	2.50
$	.00	COL. FEE $	5.00
$	.00	TRANSFER $	.00
		TOTAL	32.50

IS HEREBY LICENSED TO ENGAGE IN THE BUSINESS, PROFESSION OR OCCUPATION OF PLUMBING CONTRACTOR

AT LOCATION LISTED FOR THE PERIOD BEGINNING ON THE 12 DAY OF OCTOBER 20 05 AND ENDING SEPTEMBER 30 2006

MARLON, CECIL M
PIPE CONNECTION
PO BOX 683
PALM CITY FL 34991

RECEIPT of PAYMENT

LARRY C. O'STEEN
99 10/12/2005 OCCI NORMAL
19965200001600
0220051012000651CK
$32.50

MARTIN COUNTY
VERIFICATION OF CONTRACTOR

BUILDING PERMIT NUMBER: SP01-20060117

***IF NOT PERFORMED IN CONJUNCTION WITH A MAIN BUILDING PERMIT NUMBER, THEN THE VERIFICATION OF PARCEL CONTROL NUMBER BELOW MUST BE COMPLETED.

OWNERS NAME: KELSO

CONSTRUCTION ADDRESS: 18 RIO VISTA DR

PERMIT TYPE: ✓ RESIDENTIAL _____ COMMERCIAL

X ELECTRIC - AULT BROS.
_____ PLUMBING
_____ HVAC
_____ IRRIGATION
_____ FUEL GAS

TYPE OF SERVICE: _____ NEW SERVICE ____ EXISTING SERVICE ____ OTHER

SCOPE OF WORK: _____

VALUE OF CONSTRUCTION $ _____

_____ LOW VOLTAGE

TYPE OF EQUIPMENT: ___ SECURITY ___ VACUUM ___ SOUND SYSTEM ___ LANDSCAPE ___ OTHER

SCOPE OF WORK: _____

IN CONSIDERATION TO THE GRANTING OF THE ABOVE REQUESTED PERMIT, I DO HEREBY AGREE THAT I WILL, IN ALL RESPECTS, PERFORM THE WORK IN ACCORDANCE WITH THE APPROVED PLANS AND ALL APPLICABLE CODES.

Michael Wade CVA — PO Box 1528 Port Salerno Fl. 34992
SIGNATURE OF LICENSED CONTRACTOR — ADDRESS OF CONTRACTOR

COMPANY OF QUALIFIER'S NAME: Ault Brothers Inc. Electrical Cont.
PLEASE PRINT

TELEPHONE NO: 772 283-5520 FAX NO: 772-283-0381

MARTIN COUNTY OR STATE OF FLORIDA CONTRACTOR'S LICENSE NUMBER: EC0001683

** WORK CAN NOT BEGIN UNTIL THIS VERIFICATION IS COMPLETED AND SUBMITTED TO THE BUILDING DEPARTMENT. A PENALTY FEE WILL BE ASSESSED IF WORK IS STARTED PRIOR TO OBTAINING THIS PERMIT.

***VERIFICATION OF PARCEL CONTROL NUMBER

OWNER'S FULL NAME AS STATED ON DEED: KELSO, HARRY DAVID & MARJORIE LOU

PARCEL CONTROL #: 1238-41-002-000-0072-0-6000

SUBDIVISION: Rio Vista LOT: 72 BLK: _____ PHASE: _____

SITE ADDRESS: 18 RIO VISTA DR

Send or Fax to:
Martin County Building Department
2401 SE Monterey Road
Stuart, FL 34996
Fax # 772-288-5911

MARTIN COUNTY
VERIFICATION OF CONTRACTOR

BUILDING PERMIT NUMBER: SP01-20060117

***IF NOT PERFORMED IN CONJUNCTION WITH A MAIN BUILDING PERMIT NUMBER, THEN THE VERIFICATION OF PARCEL CONTROL NUMBER BELOW MUST BE COMPLETED.

OWNERS NAME: KELSO

CONSTRUCTION ADDRESS: 18 RIO VISTA DR

PERMIT TYPE: ✓ RESIDENTIAL _____ COMMERCIAL

_____ ELECTRIC
X PLUMBING - PIPE CONNECTION
_____ HVAC
_____ IRRIGATION
_____ FUEL GAS

TYPE OF SERVICE: _____ NEW SERVICE ____ EXISTING SERVICE ____ OTHER

SCOPE OF WORK: _____

VALUE OF CONSTRUCTION $ _____

_____ LOW VOLTAGE

TYPE OF EQUIPMENT: ____ SECURITY ____ VACUUM ____ SOUND SYSTEM ____ LANDSCAPE ____ OTHER

SCOPE OF WORK: _____

IN CONSIDERATION TO THE GRANTING OF THE ABOVE REQUESTED PERMIT, I DO HEREBY AGREE THAT I WILL, IN ALL RESPECTS, PERFORM THE WORK IN ACCORDANCE WITH THE APPROVED PLANS AND ALL APPLICABLE CODES.

Cecil Lee Marion — SIGNATURE OF LICENSED CONTRACTOR
1058 S.W. 28th ST Palm City, Fl — ADDRESS OF CONTRACTOR

COMPANY OF QUALIFIER'S NAME: CECIL LEE MARION
PLEASE PRINT

TELEPHONE NO: 287-5375 — FAX NO: _____

260-5958 CELL #

MARTIN COUNTY OR STATE OF FLORIDA CONTRACTOR'S LICENSE NUMBER: CFC033824

** WORK CAN NOT BEGIN UNTIL THIS VERIFICATION IS COMPLETED AND SUBMITTED TO THE BUILDING DEPARTMENT. A PENALTY FEE WILL BE ASSESSED IF WORK IS STARTED PRIOR TO OBTAINING THIS PERMIT. **********

***VERIFICATION OF PARCEL CONTROL NUMBER

OWNER'S FULL NAME AS STATED ON DEED: KELSO, HARRY DAVID & MARJORIE LOU

PARCEL CONTROL #: 1238-41-002-000-0072-0-6000

SUBDIVISION: RIO VISTA — LOT: 72 BLK: _____ PHASE: _____

SITE ADDRESS: 18 RIO VISTA DR

Send or Fax to:
Martin County Building Department
2401 SE Monterey Road
Stuart, FL 34996
Fax # 772-288-5911

MARTIN COUNTY
BUILDING PERMIT CONDITIONS

Conditions

1. ELECTRICAL VERFICATION-3050 **Must be done prior to inspection: 3050**

   SUBMITTAL OF COMPLETED ELECTRICAL VERIFICATION REQUIRED PRIOR TO SCHEDULING A ROUGH INSPECTION

---

2. PLUMBING VERIFICATION-6050 **Must be done prior to inspection: 6050**

   SUBMITTAL OF COMPLETED PLUMBING VERIFICATION NEEDED PRIOR TO SCHEDULING FRAME INSPECTION

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY) 08/22/06

PRODUCER Great Florida Insurance
965 S. Federal Hwy. Suite 102
Stuart, FL 34994
(772)283-2933

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED PIPE CONNECTION INC
PO BOX 683
PALM CITY, FL 34990

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: WESTERN WORLD INSURANCE CO	
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	☐	GENERAL LIABILITY ☑ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☐ OCCUR ☐ ☐ GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PROJECT ☐ LOC	NPP985607	09/16/05	09/16/06	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	100,000.00 50,000.00 5,000.00 100,000.00 200,000.00 100,000.00
	☐	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON OWNED AUTOS ☐ ☐				COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	
	☐	GARAGE LIABILITY ☐ ANY AUTO ☐				AUTO ONLY - EA ACCIDENT OTHER THAN AUTO ONLY: EA ACC AGG	
	☐	EXCESS LIABILITY ☐ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE ☐ RETENTION				EACH OCCURRENCE AGGREGATE	
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER / MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				☐ WC STATU-TORY LIMITS ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

PLUMBING

CERTIFICATE HOLDER

SEWALL'S POINT BUILDING DEPT.
TOWN OF SEWALL'S POINT
1 SOUTH SEWALLS POINT RD.
SEWALL'S POINT, FL 34996
ATTN: VALERIE 220-4765

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

ACORD 25 (2001/08)

09-17-2004

TOM GALLAGHER
CHIEF FINANCIAL OFFICER

STATE OF FLORIDA
DEPARTMENT OF FINANCIAL SERVICES
DIVISION OF WORKERS' COMPENSATION

**** CERTIFICATE OF EXEMPTION FROM FLORIDA WORKERS' COMPENSATION LAW ****

CONSTRUCTION INDUSTRY EXEMPTION

This certifies that the individual listed below has elected to be exempt from Florida Workers' Compensation Law.

EFFECTIVE DATE: 09/16/2004 ** EXPIRATION DATE: 09/15/2006

PERSON: MARION CECIL LE

FEIN: 800103668

BUSINESS NAME AND ADDRESS: PIPE CONNECTION INC
1058 SW 28TH ST
PALM CITY FL 34990

SCOPE OF BUSINESS OR TRADE: 1 - PLUMBING

MEETS REISSUANCE REQUIREMENTS

IMPORTANT: Pursuant to Chapter 440.05(14), F.S., an officer of a corporation who elects exemption from this chapter by filing a certificate of election under this section may not recover benefits or compensation under this chapter.

DWC-252 CERTIFICATE OF ELECTION TO BE EXEMPT REVISED 01-04 QUESTIONS? (850) 413-1609

AC# 1717998

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CFC033824 11/01/04 040406435

CERTIFIED PLUMBING CONTRACTOR
MARION, CECIL L
PIPE CONNECTION

IS CERTIFIED under the provisions of Ch.489 FS.
Expiration date: AUG 31, 2006 L04110100891

2005-2006 MARTIN COUNTY ORIGINAL
COUNTY OCCUPATIONAL LICENSE
Larry C. O'Steen, Tax Collector, P.O. Box 9013, Stuart, FL 34995
(772) 288-5604

LICENSE 1996-520-016 CERT CFC033824
PHONE (772) 287-5375 SIC NO 235510
LOCATION:
4395 SW LEIGHTON FARMS AVE

CHARACTER COUNTS IN MARTIN COUNTY

PREV. YR. $	.00	LIC. FEE $	25.00
$	.00	PENALTY $	2.50
$	.00	COL. FEE $	5.00
$	.00	TRANSFER $	.00
		TOTAL	32.50

IS HEREBY LICENSED TO ENGAGE IN THE BUSINESS, PROFESSION OR OCCUPATION OF PLUMBING CONTRACTOR

MARION, CECIL M
PIPE CONNECTION
PO BOX 683
PALM CITY FL 34991

AT LOCATION LISTED FOR THE PERIOD BEGINNING ON THE 12 DAY OF OCTOBER 20 05 AND ENDING SEPTEMBER 30 2006

RECEIPT of PAYMENT
6810 C
LARRY C. O'STEEN
99 10/12/2005 OCCI NORMAL
199652000016800
022005101200865ICK
$32.50

PIPE-CONNECTION
Lee Marion, President
1058 SW 28TH Street
Mailing: P.O. Box 683 Palm City, FL 34991
(772) 287-5375
lorriemarion@bellsouth.net

Memorandum

To: Valerie, Building Dept., Town of Sewall's Point
From: Lorrie Marion, c/o Pipe-Connection
Date: August 23, 2006
Re: License and Insurance information

Attached is a copy of our current State of Florida License, Martin County Occupational and License and Worker's Compensation Certificate of Exemption. I believe our insurance agent previously forwarded a copy of the Certificate of Insurance regarding our General Liability Insurance, however, I enclosed another copy just in case.

MARTIN COUNTY
VERIFICATION OF CONTRACTOR

BUILDING PERMIT NUMBER: _____

***IF NOT PERFORMED IN CONJUNCTION WITH A MAIN BUILDING PERMIT NUMBER, THEN THE VERIFICATION OF PARCEL CONTROL NUMBER BELOW MUST BE COMPLETED.

OWNERS NAME: KELSO

CONSTRUCTION ADDRESS: 18 RIO VISTA DR

PERMIT TYPE: X RESIDENTIAL _____ COMMERCIAL

_____ELECTRIC
_____PLUMBING
_____HVAC
_____IRRIGATION
_____FUEL GAS

TYPE OF SERVICE: _____NEW SERVICE ____EXISTING SERVICE ____OTHER

SCOPE OF WORK: Remodel Kitchen & Bathrooms

VALUE OF CONSTRUCTION $_____

_____LOW VOLTAGE

TYPE OF EQUIPMENT: ___SECURITY ___VACUUM ___SOUND SYSTEM ___LANDSCAPE ___OTHER

SCOPE OF WORK:_____

IN CONSIDERATION TO THE GRANTING OF THE ABOVE REQUESTED PERMIT, I DO HEREBY AGREE THAT I WILL, IN ALL RESPECTS, PERFORM THE WORK IN ACCORDANCE WITH THE APPROVED PLANS AND ALL APPLICABLE CODES.

_____ _____
SIGNATURE OF LICENSED CONTRACTOR ADDRESS OF CONTRACTOR

COMPANY OF QUALIFIER'S NAME: _____
PLEASE PRINT

TELEPHONE NO: _____ FAX NO:_____

MARTIN COUNTY OR STATE OF FLORIDA CONTRACTOR'S LICENSE NUMBER: _____

** WORK CAN NOT BEGIN UNTIL THIS VERIFICATION IS COMPLETED AND SUBMITTED TO THE BUILDING DEPARTMENT. A PENALTY FEE WILL BE ASSESSED IF WORK IS STARTED PRIOR TO OBTAINING THIS PERMIT.

****

***VERIFICATION OF PARCEL CONTROL NUMBER

OWNER'S FULL NAME AS STATED ON DEED: KELSO, HARRY DAVID

PARCEL CONTROL #: 12-38-41-002-000-00720

SUBDIVISION: Rio Vista LOT: 72 BLK: _____ PHASE: _____

SITE ADDRESS: 18 Rio Vista DR.

Send or Fax to:
Martin County Building Department
2401 SE Monterey Road
Stuart, FL 34996
Fax # 772-288-5911

03-24-2006

TOM GALLAGHER
CHIEF FINANCIAL OFFICER

STATE OF FLORIDA
DEPARTMENT OF FINANCIAL SERVICES
DIVISION OF WORKERS' COMPENSATION

* * CERTIFICATE OF EXEMPTION FROM FLORIDA WORKERS' COMPENSATION LAW * *

CONSTRUCTION INDUSTRY EXEMPTION

This certifies that the individual listed below has elected to be exempt from Florida Workers' Compensation Law.

EFFECTIVE DATE: 02/20/2006 * * EXPIRATION DATE: 02/20/2008

PERSON: SANANDAJIAN ROBERT

FEIN: 650934187

BUSINESS NAME AND ADDRESS: SANCO CONSTRUCTION INC
1127 NE QUINN PL
JENSEN BEACH FL 34957

SCOPE OF BUSINESS OR TRADE: 1- CERTIFIED GENERAL CONTRACTOR

MEETS REISSUANCE REQUIREMENTS

IMPORTANT: Pursuant to Chapter 440 . 05(14), F.S., an officer of a corporation who elects exemption from this chapter by filing a certificate of election under this section may not recover benefits or compensation under this chapter.

QUESTIONS? (850) 413-160!

DWC-252 CERTIFICATE OF ELECTION TO BE EXEMPT REVISED 01-04

PLEASE CUT OUT THE CARD BELOW AND RETAIN FOR FUTURE REFERENCE

STATE OF FLORIDA
DEPARTMENT OF FINANCIAL SERVICES
DIVISION OF WORKERS' COMPENSATION
CONSTRUCTION INDUSTRY
CERTIFICATE OF EXEMPTION FROM FLORIDA
WORKERS' COMPENSATION LAW

EFFECTIVE: 02/20/2006

* * EXPIRATION DATE: 02/20/2008

PERSON: ROBERT SANANDAJIAN

FEIN: 650934187

BUSINESS NAME AND ADDRESS: SANCO CONSTRUCTION INC
1127 NE QUINN PL
JENSEN BEACH, FL 34957

SCOPE OF BUSINESS OR TRADE:
1- CERTIFIED GENERAL CONTRACTOR

MEETS REISSUANCE REQUIREMENTS

FOLD HERE

IMPORTANT

Pursuant to Chapter 440.05(14), F.S., an officer of a corporation who elects exemption from this chapter by filing a certificate of election under this section may not recover benefits or compensation under this chapter.

QUESTIONS? (850) 413-1609

CUT HERE

* Carry bottom portion on the job, keep upper portion for your records.

AU# 2033443

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L06080500541

DATE	BATCH NUMBER	LICENSE NBR
08/05/2006	050855674	CGC061003

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008

SANANDAJIAN, ROBERT DAVID
SANCO CONSTRUCTION INC
3035 SE ST LUCIE BLVD
STUART FL 34997

JEB BUSH
GOVERNOR

SIMONE MARSTILLER
SECRETARY

DISPLAY AS REQUIRED BY LAW

2005-2006 MARTIN COUNTY ORIGINAL
COUNTY OCCUPATIONAL LICENSE

Larry C. O'Steen, Tax Collector, P.O. Box 9013, Stuart, FL 34995
(772) 288-5604

LICENSE 2000-513-008 CERT CG-C061003
PHONE (772)232-0024 LIC NO 233210
LOCATION:
1127 NE QUINN PL JB

CHARACTER COUNTS IN MARTIN COUNTY OF MARTIN

PREV. YR. $	.00	LIC. FEE $	25.00
$	.00	PENALTY $	.00
$	.00	COL. FEE $	.00
$	.00	TRANSFER $	.00
TOTAL	25.00		

IS HEREBY LICENSED TO ENGAGE IN THE BUSINESS, PROFESSION OR OCCUPATION
OF GENERAL CONTRACTOR
AT LOCATION LISTED FOR THE PERIOD BEGINNING ON THE

16 DAY OF AUGUST 20 05
AND ENDING SEPTEMBER 30, 2006

SARKISSIAN, ROBERT
SARCO CONSTRUCTION, INC
1127 NE QUINN PLACE
JENSEN BEACH FL 34957

12 00002004 002128

Licensee Details

Licensee Information

Name:	**AULT, MICHAEL DALE (Primary Name)** **AULT BROS., INC. ELECTRICAL CONTRACTORS (DBA Name)**
Main Address:	**PO BOX 1528** **PORT SALERNO Florida 34992**
License Mailing:	
LicenseLocation:	**PO BOX 1528** **PORT SALERNO FL 34992**

License Information

License Type:	**Electrical Contractor**
Rank:	**Cert Electrical**
License Number:	**EC0001693**
Status:	**Current,Active**
Licensure Date:	**08/22/1996**
Expires:	**08/31/2008**

Special Qualifications	Qualification Effective
Bldg Code Core Course Credit	

View Related License Information

View License Complaint

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 8/21/2006

PRODUCER (772)287-3625 FAX (772)287-3516
S. T. Good Insurance, Inc.
Stuart Jet Center
2501 S. E. Aviation Way
Stuart FL 34996

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED
Sanco Construction, Inc.
1127 NE Quinn Place
Jensen Beach FL 34957

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Lloyds of London	
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY [X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [X] POLICY [ ] PRO-JECT [ ] LOC	XARTE002097	7/12/2006	7/12/2007	EACH OCCURRENCE	$ 500,000
						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 50,000
						MED EXP (Any one person)	$ 5,000
						PERSONAL & ADV INJURY	$ 500,000
						GENERAL AGGREGATE	$ 1,000,000
						PRODUCTS - COMP/OP AGG	$ 500,000
		AUTOMOBILE LIABILITY [ ] ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [ ] HIRED AUTOS [ ] NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident)	$
						BODILY INJURY (Per person)	$
						BODILY INJURY (Per accident)	$
						PROPERTY DAMAGE (Per accident)	$
		GARAGE LIABILITY [ ] ANY AUTO				AUTO ONLY - EA ACCIDENT	$
						OTHER THAN AUTO ONLY: EA ACC	$
						AGG	$
		EXCESS/UMBRELLA LIABILITY [ ] OCCUR [ ] CLAIMS MADE [ ] DEDUCTIBLE [ ] RETENTION $				EACH OCCURRENCE	$
						AGGREGATE	$
							$
							$
							$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				[ ] WC STATU-TORY LIMITS [ ] OTH-ER	
						E.L. EACH ACCIDENT	$
						E.L. DISEASE - EA EMPLOYEE	$
						E.L. DISEASE - POLICY LIMIT	$
		OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

CERTIFICATE HOLDER

Town of Sewells Point
FL

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

ACORD 25 (2001/08)

TO BE COMPLETED WHEN CONSTRUCTION VALUE EXCEEDS $2500.00

PERMIT #_____ 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): 18 RIO VISTA DR. LOT 72, RIO VISTA SUBDIVISION, PLAT BOOK 6, PG 95, MARTIN COUNTY

GENERAL DESCRIPTION OF IMPROVEMENT: INTERIOR REMODEL

OWNER: HARRY DAVID KELSO

ADDRESS: 26 RIO VISTA DR, SEWALL'S POINT, FL

PHONE #: 286-3092 CELL FAX #: 631-0679

CONTRACTOR: SANLO CONSTRUCTION INC.

ADDRESS: 127 N.E. QUINN PL JENSEN BCH, FL 34957

PHONE #: 772 232 0024 FAX #: 772 232 0024

SURETY COMPANY(IF ANY)

ADDRESS:

PHONE #: FAX #:

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: D.C.
CIRCUIT COURT MARTIN COUNTY FLORIDA

BOND AMOUNT:

LENDER:

ADDRESS: DATE 8-21-06

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.

Harry David Kelso

SIGNATURE OF OWNER

SWORN TO AND SUBSCRIBED BEFORE ME THIS 21st DAY OF August 19 2006 BY Harry David Kelso

PERSONALLY KNOWN _____
PRODUCED ID ✓
TYPE OF ID FL Drivers License

Melissa Cantrell

NOTARY SIGNATURE

MELISSA CANTRELL
Notary Public - State of Florida
My Commission Expires May 23, 2010
Commission # DD 555973
Bonded By National Notary Assn.

/data/gmd/bzd/bldg_forms/Noc.aw

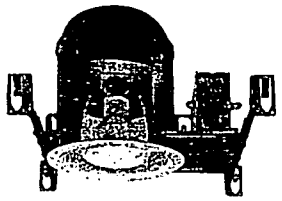
12/01/99

INSTR # 1955349 OR BK 02173 PG 1080 RECD 08/21/2006 12:40:50 PM
Pg 1080; (1pg)
MARSHA EWING MARTIN COUNTY DEPUTY CLERK S Phoenix

LIGHT IN SHOWER / KELSO RESIDENCE
18 RIO VISTA DR (FILE)
MC0117
SANKO CONSTRUCTION

6" RECESSED DOWNLIGHTING Incandescent

HALO®



H7ICT
IC HOUSING

H7ICAT

IC AIR TITE HOUSING

air tite™

- For insulated ceilings and direct contact with insulation
- Integral thermal protector
- AIR-TITE housing prevents airflow between attic and living areas
- Upgraded junction box, bar hanger and plaster frame features

DESCRIPTION

For installations where the housing will be in direct contact with ceiling insulation. Integral thermal protector provides positive protection against overlamping. The H7ICAT AIR-TITE housing meets Restricted Air Flow requirements.

Housing Features

- Housing is thermally protected.
- Socket snaps into trim for consistent lamp positioning.

Plaster Frame Features include:

- Regressed locking screw for securing hanger bars
- Cutouts for easily crimping hanger bars in position
- Halo name embossed on plaster frame Galvanized steel construction. The housing can be removed from plaster frame to provide access to the junction box.

Junction Box Features include:

- UL listed for through branch circuit wiring
- Positioned to accommodate straight conduit runs
- Seven 1/2" trade size conduit knockouts with true pry-out slots
- Slide-N-Side™ connectors allow 14/2 or 12/2 non-metallic sheathed cable to be installed without tools and without removing knockouts.

Bar Hanger Features include:

- Pre-installed, captive
- Housing can be positioned at any point within 24" joist span
- Pass-N-Thru™ bar hangers overlap for toolless shortening to less than 12".
- Bar hangers may be repositioned 90°
- Bar hangers do not need to be removed from frame for shortening
- Unique arrowhead design provides rapid installation.
- Hanger bars fit onto T-bar spline for quick alignment

Installation Features

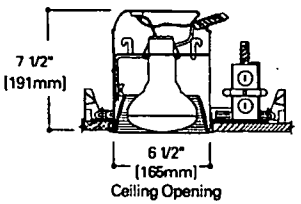
- 7 1/2" height allows use in 2x8 construction.
- Housing adjusts for ceilings up to 1 3/8" thick.
- Shipping insert protects socket from paint overspray.

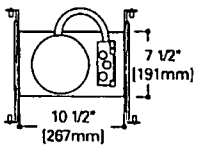
Listings

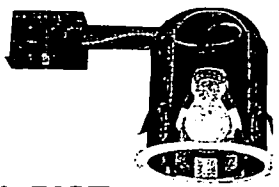
- UL Listed for Damp Location
- UL listed for Feed Through
- UL listed for Direct Contact with Insulation and combustible material
- CSA Certified
- State of California Title 24

H7ICAT meets following requirements:

- Washington State Energy Code
- International Energy Conservation Code (IECC)
- New York State Energy Conservation Construction Code (NY-ECCC)
- Model Energy Code (MEC)
- Certified Under ASTM-E283







H7RICT

IC REMODEL HOUSING

H7RICAT

IC AIR TITE™ REMODEL HOUSING

For remodeling installations where housing will be in direct contact with insulation. Integral thermal protector provides positive protection against overlamping. The H7RICAT housing meets restricted air flow requirements.

Housing Features

- Integral thermal protector guards against overlamping.
- Adjustable socket bracket allows the use of different lamp types
- Junction box is listed for through branch circuit wiring and has seven 1/2" knockouts with true pry-out slots.
- Four non metallic (NM) sheathed cable pryouts with integral strain relief simplify NM sheathed cable installation.
- Three quick connect wire connectors eliminate need for additional wire nuts.
- Halo name embossed on cap.

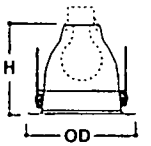
Installation Features

- 7 1/2" height allows use in 2"x 8" joist construction.
- Integral flange secures fixture against ceiling.
- Four remodel clips secure housing and accommodate 1/2" and 5/8" ceiling thickness.
- Shipping insert protects lamp

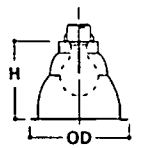
Listings

- UL Listed for Damp Location
- UL listed for Feed Through
- UL listed for Direct Contact with Insulation and combustible material
- CSA Certified
- State of California Title 24
- Washington State Energy Code
- International Energy Conservation Code (IECC)
- New York State Energy Conservation Construction Code (NY-ECCC)
- Model Energy Code (MEC)
- Certified Under ASTM-E283

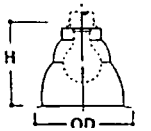
REFLECTORS



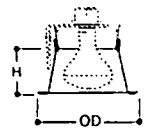
30 AIR-TITE
Finish: Self Flanged
Lamp: H7ICT, H7ICA
H7RICT, H7R
Height: 5" (127mm)



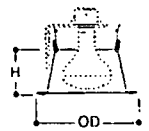
404 Specular
Finish: White Trim F
White Trim F
(404H)
Lamp: H7ICT, H7IC
Height: 5 1/4" (133m



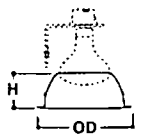
4041 Self Flan
Finish: White Trim F
Lamp: H7ICT, H7IC
Height: 5 1/4" (133m



426 Reflecto
Finish: White Trim F
(426RG), Wh
Reflector (42
Lamp: H7ICT, H7IC
Height: 2 5/8" (67mr



4261 Self Flar
Finish: White Trim
Lamp: H7ICT, H7IC
Height: 2 5/8" (67mr



429 Dayform
Finish: White Trim
Lamp: H7ICT, H7IC
Height 3" (76mm)

BAFFLES

30 AIR-TITE
Finish: White Trim
Lamp: H7ICT, H7IC

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: ☐ Mon ☐ Wed ☒ Fri 9/22, 2006 **Page** 2 **of** 2

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
0016		FRAMING	PASS	
7	3 EMARITA 6064	INSULATION	PASS	
				INSPECTOR: OW
0013		FINAL DRYWALL	PASS	C.LOSE
1	10 ISLAND RD	REPAIR		
				INSPECTOR: OW
0113	FENDER	DRY-IN	PASS	
2	OAKWOOD DR			
				INSPECTOR: OW
0117	KELSO	COLUMN/BEAM	PASS	
4	18 RIO VISTA 5010	U/G PLUMBING	PASS	
				INSPECTOR: OW
0079		ROOF FINAL	FAIL	NOT READY
3	18 RIVERVIEW DR			FOR INSPECTION
				INSPECTOR: OW
0088		STEM WALL FTR.	PASS	PARTIAL WEST
11	94 N.S.P.R.			SIDE STEM WALL
				INSPECTOR: OW
0125		GAS LINE ROUGH	FAIL	
10	11 WENDY LN.			
	PROPANE DISCOUNT			INSPECTOR: OW

OTHER:

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: [X] Mon [ ] Wed [ ] Fri 9-25, 2006 **Page** 1 of 1

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8166	Cummings	steel & bonding structure	PASS	
3	835 River Rd			
	Olympia			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
Tree	Antonelli	Tree	PASS	
1	10 Islands Rd			
	01B			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8139	Demorest	Final-retaining wall	FAIL	
2	925 River Rd			
	Chitwood			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
0127		SOFFIT FINAL	PASS	CLOSE
4	16 CRANES NEST			
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
0016		INSULATION	PASS	
6	3 EMARITA			
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
0117	[redacted]	SLAB	PASS	[redacted]
5	18 RIO VISTA	(REMODEL)		
				INSPECTOR
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:

OTHER:

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: ☐ Mon ☒ Wed ☐ Fri 10-4, 2006 Page 2 of 2

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:	INSPECTOR:
7801 4	83 S River Rd	2nd Floor Deck Topping	PASS	Revised/Restamped Plans Ready	
8	12 SSPR	Complaint about A/C equipment on house under construction see J.A.		Complainant Mr Winslow 959-444-8611	
0107 9	78 N.S.P.R.	Pool Deck	FAIL		[signature]
0107 9	78 N.S.P.R.	Final	FAIL		[signature]
0100 5	72 S. River	Frame/Rough Trades	X	No Access Reschedule	[signature]
0097 6	14 S. Via Lucindia	Frame Rough Trades		Cancel	[signature]
5B	9 Rio Vista	Fence Violation		~~Replaced Fence~~ Reinstalled Exist Fence From Hurricane Damage	[signature]

OTHER:

[redacted] 18 Rio Vista — Elec Rough Fail — Plumbing Fail — [signature]

5A

TOWN OF SEWALL'S POINT
One South Sewall's Point Road
Sewall's Point, Florida 34996
(772) 287-2455

CORRECTION NOTICE

ADDRESS: 18 RIO VISTA

I have this day inspected this structure and these premises and have found the following violations of the City, County, and/or State laws governing same.

TRADES

FILL IN UNDER TUB/SH. UNIT W/ CONCRETE MIX.

SECURE SH. PAN OVER CURB & ALONG SIDE WALLS-

NEED LIGHT FIXTURE DESIGNATED FOR DAMP LOCATIONS -

You are hereby notified that no work shall be concealed upon these premises until the above violations are corrected. When corrections have been made, call for an inspection.

DATE: 10/4

INSPECTOR

DO NOT REMOVE THIS TAG

MARTIN COUNTY, FL
KIVA INFORMATION SYSTEMS
REPORT: gprp30_mc

KIVA REPORTING SYSTEM
INSPECTORS REPORT

RUN DATE:06-OCT-2006
RUN TIME:08:28:15
PAGE: 15

FRIDAY - 10/6/06

pg 3 of 3

Part A INSPECTOR'S DAILY LOG

Inspector: PWIN - WINTERCORN, PHIL
Discipline: B%
Scheduled Range: SCHEDULE RANGE: 01-MAY-2006 to 06-OCT-2006

NO FAL

147 SP01 20060075 100 SE HILLCREST DR
Subdiv: HILLCREST (SEWALL'S PT)
10/06/06 P 6099 RESIDENTIAL FINAL
Comment:
Arrive:____ Depart:____ Units:

148 SP01 20060132 8 RIDGELAND DR
Subdiv: RIDGELAND
10/06/06 P 5028 GAS LINE ROUGH
Comment: FAIL
Arrive:____ Depart:____ Units:

149 SP01 20060117 18 RIO VISTA DR
Subdiv: RIO VISTA
10/06/06 P 3050 R/ELEC
Comment:
Arrive:____ Depart:____ Units:

150 SP01 20060117 18 RIO VISTA DR
Subdiv: RIO VISTA
10/06/06 P 5050 R/PLUMB
Comment:
Arrive:____ Depart:____ Units:

151 SP01 20060117 18 RIO VISTA DR
Subdiv: RIO VISTA
10/06/06 P 6050 FRAME
Comment:
Arrive:____ Depart:____ Units:

152 SP01 20060117 18 RIO VISTA DR
Subdiv: RIO VISTA
10/06/06 P 6064 INSULATION
Comment:
Arrive:____ Depart:____ Units:

153 SP01 20060024 26 S SIMARA ST
Subdiv: ARCHIPELAGO
10/06/06 P 6099 RESIDENTIAL FINAL
Comment:
Arrive:____ Depart:____ Units:

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: ☐ Mon ☐ Wed ☒ Fri 12-22, 2006 Page 1 of 1

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8425	Juriet	dock-final	PASS	CLOSE
6	14 Castle Hill Way			
	Tropic Marine			INSPECTOR: [signature]
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
~~8496~~	~~Cooney~~	~~body light/trim~~	CANCEL	
1	~~17 Middle Rd~~	~~mech plumbing~~		Reschedule Wed
	~~AG Pool~~			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8051	Galinis	Electric	~~PASS~~	
5	26 S Sewalls	AC	~~FAIL~~	
		framing	~~PASS~~	
	Driftwood	Roof metal	~~PASS~~	INSPECTOR: [signature]
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8464	Valko	Tiki Hut	~~PASS~~	WAITING FOR FINAL TIE-IN SURVEY
4	107 Hillcrest		~~FAIL~~	
	OB			INSPECTOR: [signature]
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
V0117	Kelso	Final-remodel	~~FAIL~~	CLOSE
3	18 Rio Vista		PASS	REINSPECT LATE MORN
	Saneo			INSPECTOR: [signature]
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
1819	Tidikis	LATHING SUPPORT -	PASS	
2	12 Cranes Nest			
	Advanced			INSPECTOR: [signature]
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8470	Pare	Final	FAIL	~~$40 FEE~~
7	61 N. River Rd		PASS	INSPECTED LATE MORN -
	JA Taylor Roof			INSPECTOR: [signature]

OTHER:

8469	Cooney	DRY-IN	PASS
	17 MIDDLE RD.	Reinspect	
	Stuart Roof		[signature]

TOWN OF SEWALL'S POINT
One South Sewall's Point Road
Sewall's Point, Florida 34996
(772) 287-2455

CORRECTION NOTICE

ADDRESS: 18 RIO VISTA

I have this day inspected this structure and these premises and have found the following violations of the City, County, and/or State laws governing same.

FINAL

NEED GFI OUTLETS AT ISLAND AT ALL LOCATIONS—

You are hereby notified that no work shall be concealed upon these premises until the above violations are corrected. When corrections have been made, call for an inspection.

DATE: 12/22

INSPECTOR

DO NOT REMOVE THIS TAG

8563

RE-ROOF FLAT ROOF ONLY

MASTER PERMIT NO. _____

TOWN OF SEWALL'S POINT

Date 4-4-07

BUILDING PERMIT NO. 8563

Building to be erected for Kelso 21960 Type of Permit Roof over flat roof

Applied for by Sarco Construction (Contractor) Building Fee 201.60

Subdivision Rio Vista Lot 72 Block _____ Radon Fee _____

Address 18 Rio Vista DR Impact Fee _____

Type of structure SFR A/C Fee _____

Electrical Fee _____

Parcel Control Number: Plumbing Fee _____

123841-002-000-00720-60000 Roofing Fee _____

Amount Paid $201.60 Check # 3994 Cash _____ Other Fees (_____) _____

Total Construction Cost $ 21000 — TOTAL Fees 201.60

Signed _____ Applicant

Signed _____ Town Building Official

PERMIT

☐ BUILDING	☐ ELECTRICAL	☐ MECHANICAL
☐ PLUMBING	☒ ROOFING	☐ POOL/SPA/DECK
☐ DOCK/BOAT LIFT	☐ DEMOLITION	☐ FENCE
☐ SCREEN ENCLOSURE	☐ TEMPORARY STRUCTURE	☐ GAS
☐ FILL	☐ HURRICANE SHUTTERS	☐ RENOVATION
☐ TREE REMOVAL	☐ STEMWALL	☐ 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 3-2-07

Town of Sewall's Point
BUILDING PERMIT APPLICATION

Date: 3/1/07 Permit Number:

OWNER/TITLEHOLDER NAME: KELSO Phone (Day) 631 0679 (Fax)

Job Site Address: 18 RIO VISTA City: SEWALL'S PT State: FL Zip:

Legal Desc. Property (Subd/Lot/Block) Rio Vista / Lot 72 Parcel Number 12-38-41-002-000-00720-60000

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

Description of Work To Be Done: INSTALL TRUSSE OVER FLAT ROOF

WILL OWNER BE THE CONTRACTOR?:

YES (NO)

(If no, fill out the Contractor & Subcontractor sections below)

(If yes, Owner Builder Affidavit must accompany application)

COST AND VALUES:

Estimated Cost of Construction or Improvements: $ 21,000.00
(Notice of Commencement needed over $2500)

Estimated Fair Market Value prior to improvement: $

Is improvement cost 50% or more of Fair Market Value? YES (NO)

Method of Determining Fair Market Value:

CONTRACTOR/Company: SANCO CONSTRUCTION INC. Phone: 7722320024 Fax: 7722320024

Street: 1127 N.E. QUINN PL. (Cell 215-1578 Robert) City: JENSEN BCH State: FL Zip: 34957

State Registration Number: CGC061003 State Certification Number: Martin County License Number:

SUBCONTRACTOR INFORMATION:

Electrical: State: License Number:

Mechanical: State: License Number:

Plumbing: State: License Number:

Roofing: State: License Number:

ARCHITECT JOE MCCARTY Lic.#: Phone Number: 287-6735

Street: 900 E. OSCEOLA ST City: STUART State: FL Zip:

ENGINEER Lic# Phone Number:

Street: City: State: Zip:

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

Carport: Total Under Roof Wood Deck: Accessory Building:

NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies

CODE EDITIONS IN EFFECT AT TIME OF APPLICATION: Florida Building Code (Structural, Mechanical, Plumbing, Gas): 2004
National Electrical Code: 2002 Florida Energy Code: 2004 Florida Accessibility Code: 2004 Florida Fire Code 2004

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)

State of Florida, County of: Martin
This the 20th day of February, 2007
by Dana Kelso who is personally known to me or produced as identification.

Notary Public
My Commission Expires: April 12, 2009

MARYANN MATTEO
Notary Public - State of Florida
My Commission Expires Apr 12, 2009
Commission # DD 479048
Bonded By National Notary Assn.

CONTRACTOR SIGNATURE (required)

On State of Florida, County of: Martin
This the 27th day of March, 2007
by Robert D. Sarandajian who is personally known to me or produced Florida Driver License as identification.

Notary Public
My Commission Expires: September 24, 2010

DARLEEN POGGERALE
MY COMMISSION # DD 589592
EXPIRES: September 24, 2010
Bonded Thru Notary Public Underwriters

PERMIT APPLICATIONS VALID 180 DAYS FROM APPROVAL OF APPLICATION. PLEASE PICK UP YOUR PERMIT PROMPTLY.

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

Site Provided by...
governmax.com T1.13

Summary

print | << < > >> Parcel ID 1 of 1

Parcel ID	Unit Address	Serial ID	Index Order	Commercial	Residential
12-38-41-002-000-00720-6	18 RIO VISTA DR	27585	Parcel ID	0	1

Parcel Info
Summary
Land
Residential
Improvement
Commercial
Image
Sales & Transfers
Assessments →
Taxes →
Parcel Map →
Full Legal →

Search By
Parcel ID
Owner
Address
Account #
Use Code
Legal Description
Neighborhood
Sales
Map →

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

Summary
Property Location 18 RIO VISTA DR
Tax District 2200 Sewall's Point
Account # 27585
Land Use 101 0100 Single Family
Neighborhood 120250
Acres

Legal Description
Property Information
RIO VISTA S/D LOT 72

Owner Information
Owner Information
KELSO, HARRY DAVID & MARJORIE LOU

Mail Information
26 RIO VISTA DR
STUART FL 34996

Assessment Info
Front Ft. 0.00

Market Land Value $275,000
Market Impr Value $142,490
Market Total Value $417,490

Recent Sale
Sale Amount $0

Sale Date 3/6/2006
Book/Page 2118 1234

Print | << First < Previous Next > Last >>

Data updated on 02/20/2007

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 8/21/2006

PRODUCER (772)287-3625 FAX (772)287-3516
S. T. Good Insurance, Inc.
Stuart Jet Center
2501 S. E. Aviation Way
Stuart FL 34996

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED
Sanco Construction, Inc.
1127 NE Quinn Place
Jensen Beach FL 34957

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Lloyds of London	
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY [X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [X] POLICY [ ] PRO-JECT [ ] LOC	ZARTE002097	7/12/2006	7/12/2007	EACH OCCURRENCE	$ 500,000
						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 50,000
						MED EXP (Any one person)	$ 5,000
						PERSONAL & ADV INJURY	$ 500,000
						GENERAL AGGREGATE	$ 1,000,000
						PRODUCTS - COMP/OP AGG	$ 500,000
		AUTOMOBILE LIABILITY [ ] ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [ ] HIRED AUTOS [ ] NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident)	$
						BODILY INJURY (Per person)	$
						BODILY INJURY (Per accident)	$
						PROPERTY DAMAGE (Per accident)	$
		GARAGE LIABILITY [ ] ANY AUTO				AUTO ONLY - EA ACCIDENT	$
						OTHER THAN AUTO ONLY: EA ACC	$
						AGG	$
		EXCESS/UMBRELLA LIABILITY [ ] OCCUR [ ] CLAIMS MADE [ ] DEDUCTIBLE [ ] RETENTION $				EACH OCCURRENCE	$
						AGGREGATE	$
							$
							$
							$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				WC STATU-TORY LIMITS / OTH-ER	
						E.L. EACH ACCIDENT	$
						E.L. DISEASE - EA EMPLOYEE	$
						E.L. DISEASE - POLICY LIMIT	$
		OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

CERTIFICATE HOLDER

Town of Sewells Point
FL

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

ACORD 25 (2001/08)

03-24-2006

TOM GALLAGHER
CHIEF FINANCIAL OFFICER

STATE OF FLORIDA
DEPARTMENT OF FINANCIAL SERVICES
DIVISION OF WORKERS' COMPENSATION

* * CERTIFICATE OF EXEMPTION FROM FLORIDA WORKERS' COMPENSATION LAW * *

CONSTRUCTION INDUSTRY EXEMPTION

This certifies that the individual listed below has elected to be exempt from Florida Workers' Compensation Law.

EFFECTIVE DATE: 02/20/2006 * * EXPIRATION DATE: 02/20/2008

PERSON: SANANDAJIAN ROBERT

FEIN: 650934187

BUSINESS NAME AND ADDRESS: SANCO CONSTRUCTION INC
1127 NE QUINN PL
JENSEN BEACH FL 34957

SCOPE OF BUSINESS OR TRADE: 1- CERTIFIED GENERAL CONTRACTOR

MEETS REISSUANCE REQUIREMENTS

IMPORTANT: Pursuant to Chapter 440 . 05(14), F.S., an officer of a corporation who elects exemption from this chapter by filing a certificate of election under this section may not recover benefits or compensation under this chapter.

QUESTIONS? (850) 413-160

DWC-252 CERTIFICATE OF ELECTION TO BE EXEMPT REVISED 01-04

PLEASE CUT OUT THE CARD BELOW AND RETAIN FOR FUTURE REFERENCE

STATE OF FLORIDA
DEPARTMENT OF FINANCIAL SERVICES
DIVISION OF WORKERS' COMPENSATION
CONSTRUCTION INDUSTRY
CERTIFICATE OF EXEMPTION FROM FLORIDA
WORKERS' COMPENSATION LAW

EFFECTIVE: 02/20/2006

* * EXPIRATION DATE: 02/20/2008

PERSON: ROBERT SANANDAJIAN

FEIN: 650934187

BUSINESS NAME AND ADDRESS: SANCO CONSTRUCTION INC
1127 NE QUINN PL
JENSEN BEACH, FL 34957

SCOPE OF BUSINESS OR TRADE:
1- CERTIFIED GENERAL CONTRACTOR

MEETS REISSUANCE REQUIREMENTS

FOLD HERE

IMPORTANT

Pursuant to Chapter 440.05(14), F.S., an officer of a corporation who elects exemption from this chapter by filing a certificate of election under this section may not recover benefits or compensation under this chapter.

QUESTIONS? (850) 413-1609

CUT HERE

* Carry bottom portion on the job, keep upper portion for your records.

AUT 2053443

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L06080500541

DATE	BATCH NUMBER	LICENSE NBR
08/05/2006	050855674	CGC061003

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008

SANANDAJIAN, ROBERT DAVID
SANCO CONSTRUCTION INC
3035 SE ST LUCIE BLVD
STUART FL 34997

JEB BUSH
GOVERNOR

SIMONE MARSTILLER
SECRETARY

DISPLAY AS REQUIRED BY LAW

2006-2007 **MARTIN COUNTY** ORIGINAL
COUNTY OCCUPATIONAL LICENSE

Larry C. O'Steen, Tax Collector, P.O. Box 9013, Stuart, FL 34995
(772) 288-5604

LICENSE 000-513-0008 CERT CGC061003
PHONE (772)232-0024 SIC NO 233210
LOCATION:
1127 NE QUINN PL JB

CHARACTER COUNTS IN MARTIN COUNTY

PREV. YR. $	.00	LIC. FEE $	25.00
$	.00	PENALTY $	.00
$	.00	COL. FEE $	.00
$	.00	TRANSFER $	.00
TOTAL	25.00		

IS HEREBY LICENSED TO ENGAGE IN THE BUSINESS, PROFESSION OR OCCUPATION
OF GENERAL CONTRACTOR

AT LOCATION LISTED FOR THE PERIOD BEGINNING ON THE

25 DAY OF AUGUST 20 06
AND ENDING SEPTEMBER 30 2007

RECEIPT OF PAYMENT
LARRY C. O'STEEN
08/25/2006 FORMA
SANCO CONSTRUCTION

SANANDAJIAN, ROBERT
SANCO CONSTRUCTION, INC
1127 NE QUINN PLACE
JENSEN BEACH FL 34957

TO BE COMPLETED WHEN CONSTRUCTION VALUE EXCEEDS $2500.00

PERMIT #_____ TAX FOLIO # 12-38-41-002-000-00720-60000

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): 18 RIO VISTA DR.
LOT 72, RIO VISTA SUBDIVISION, PLAT BOOK 6, ~~PG~~ pp 95 MARTIN CTY.

GENERAL DESCRIPTION OF IMPROVEMENT: INSTALL OF TRUSSES OVER FLAT ROOF

OWNER: DAVE KELSO
ADDRESS: 18 RIO VISTA ~~STUART~~, SEWELS PT, FL 34996
PHONE #: 286 3092 FAX #:_____

INTEREST IN PROPERTY:_____

NAME AND ADDRESS OF FEE SIMPLE TITLE HOLDER(IF OTHER THAN OWNER):_____

CONTRACTOR: SANCO CONSTRUCTION INC.
ADDRESS: 1127 N.E. QUINCY JENSEN BCH. FL 34957
PHONE #: 232-0024 FAX #: 232-0024

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 S Phoenix D.C.
DATE 3-27-07
CIRCUIT COURT SEAL MARTIN COUNTY, FLORIDA

SURETY COMPANY(IF ANY)_____
ADDRESS:_____
PHONE #_____ FAX #:_____
BOND AMOUNT:

LENDER/MORTGAGE COMPANY_____
ADDRESS:_____
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 OR HERSELF, 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.

SIGNATURE OF OWNER

SWORN TO AND SUBSCRIBED BEFORE ME THIS 20TH DAY OF February 2007
BY David Kelso

PERSONALLY KNOWN ✓
OR PRODUCED ID_____
TYPE OF ID_____

NOTARY SIGNATURE

MARYANN MATTEO
Notary Public - State of Florida
My Commission Expires Apr 12, 2008
Commission # DD 479049
Bonded By National Notary Assn.

02/06/03

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: ☐ Mon ☒ Wed ☐ Fri 7-25, 2007 Page 2 of 2

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8665	Almond	UG plumbing	PASS	
	11 Oakwood Dr	UG electric	PASS	
3	Handyman Matters	SLAB 2PM	Pass	INSPECTOR: JW
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8563	Kelso	truss, sheathing	PASS	
	18 Rio Vista			
4	Sanco			INSPECTOR: JW
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8606	Lerner	nail-in	PASS	
	11 Lantana Ln	sheathing		
5	A&P			INSPECTOR: JW
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:

OTHER:

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: ☐ Mon ☐ Wed ☐ Fri THURS 7-26, 2007 Page 1 of 1

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8528	Masterpiece Sys	Plumbing 2nd stage	PASS	
	S Mandalay			
	Masterpiece			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8661	Mc Mahon	fin tag	PASS	
8:15	5 Melody La			
	Code Red Roofers			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8535	Stark	Partial beam	FAIL	
for	815 River Rd	slab		
1PM	Emilio LaVida			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8563	Wells	dry in	PASS	
3PM	18 Rio Vista	flashing		
	Sanco			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
TREE		TREE	PASS	
	2 FIELDMAN			
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:

OTHER:

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: ☐ Mon ☐ Wed ☒ Fri 8-3, 2007 Page 1 of 1

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8405	Ayers	Dock + boathouse	PASS	
3	15 S River Rd			
	Custom Built Marine			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8676	Hill	Final-generator	PASS	CLOSE
5	48 N. River Rd			
	Wise Elect			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8563	Kelso	Final-house	PASS	CLOSE
1	18 Rio Vista			
	Sanco			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7345	(old Permit)	FROM FEB 2005	PASS	CLOSE
1	18 Rio Vista	Roof final		
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8589	Hardin	main house wall steel	PASS	
2	27 S River Rd			
	Staticon			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8688	Poole	Roof final	PASS	
4	94 N Sewalls			
	Walter White			INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8673	Jones	Final fence	PASS	CLOSE
6	2 Fieldway	~~elec.~~		
	OB			INSPECTOR:
OTHER:		FRAMING	FAIL	
IA	5/8 MANDALAY. MASTERPIECE			

9205

SIDING

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:	9205	DATE ISSUED:	JULY 17, 2009
SCOPE OF WORK:	SIDING		
CONDITIONS :			
CONTRACTOR:	SANCO CONSTRUCTION		
PARCEL CONTROL NUMBER:	123841002-000-007206	SUBDIVISION	RIO VISTA-LOT 72
CONSTRUCTION ADDRESS:	18 RIO VISTA DR		
OWNER NAME:	KELSO		
QUALIFIER:	ROBERT SANANDAJIAN	CONTACT PHONE NUMBER:	215-1578

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.

RECEIVED
DATE: 7-16-09
TOWN OF SEWALL'S POINT

Town of Sewall's Point
BUILDING PERMIT APPLICATION

Date: 7/16/09 Permit Number: _____

OWNER/TITLEHOLDER NAME: DAVE KELSO Phone (Day) 7722863092 (Fax) _____

Job Site Address: 18 RIO VISTA DR. City: SEWELS PT. State: FL Zip: 34996

Legal Description RIO VESTA S/D LOT 72 Parcel Control Number: 12-38-41-002-000-00720-6

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

Scope of work (please be specific): INSTALLING 7/4 HARDI PLANK LAP SIDING OVER EXISTING T1-11 SIDING.

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: $ 10,600.00
(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___ 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

CONTRACTOR/Company: SANCO CONSTRUCTION INC. Phone: 7722151578 Fax: 7722320024

Street: 1127 NE QUINN PL City: JENSEN BCH State: FL Zip: 34957

State License Number: CGC 061003 OR: Municipality: _____ License Number: _____

LOCAL CONTACT: ROBERT SANANDAJIAN Phone Number: 772 215 1578

DESIGN PROFESSIONAL: N/A Lic#_____ Phone Number: _____

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

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): 2007 National Electrical Code: 2005(2008 after 6/1/09)Florida Energy Code:2007, Florida Accessibility Code:2007, Florida Fire Prevention Code 2007

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 YOUR 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, 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 50-95.
4. 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 2004 W/ 2006 REVISIONS SECT. 105.4.1, 105.4.1.1 - .5.

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

APPLICATION IS HEREBY MADE TO OBTAIN A PERMIT TO DO THE WORK AND INSTALLATIONS 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 SIGNATURE: (required)
OR OWNER'S LEGAL AUTHORIZED AGENT (PROOF REQUIRED)

State of Florida, County of: Martin
This the 14 day of July, 2009
by Harry David Kelso who is personally
known to me or produced DL
as identification.
Notary Public
My Commission Expires: _____

CONTRACTOR SIGNATURE: (required)

On State of Florida, County of: Martin
This the 16th day of July
by Robert Sanandajian who is personally
known to me or produced FLDL# S553-764-
As identification.
Notary Public
My Commission Expires: _____

VALERIE MEYER
MY COMMISSION # DD521219
EXPIRES: June 14, 2010
Bonded Thru Notary Public Underwriters

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!

Notary Public State of Florida
My Commission Expires Nov 27, 2010
Commission # DD 617891
Bonded Through National Notary Assn.

HardiePlank® Lap Siding

South

JamesHardie

EFFECTIVE AUGUST 2008

Visit www.jameshardie.com for the most recent version.

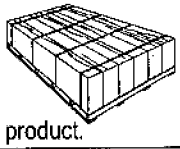
INSTALLATION REQUIREMENTS - PRIMED & COLORPLUS® PRODUCTS

SELECT CEDARMILL© ▪ SMOOTH ▪ COLONIAL SMOOTH® ▪ COLONIAL ROUGHSAWN® ▪ BEADED CEDARMILL© BEADED SMOOTH ▪ STRAIGHT-EDGE SHINGLE PLANK

IMPORTANT: FAILURE TO INSTALL AND FINISH THIS PRODUCT IN ACCORDANCE WITH APPLICABLE BUILDING CODES AND JAMES HARDIE WRITTEN APPLICATION INSTRUCTIONS MAY LEAD TO PERSONAL INJURY, AFFECT SYSTEM PERFORMANCE, VIOLATE LOCAL BUILDING CODES, AND VOID THE PRODUCT ONLY WARRANTY.

STORAGE & HANDLING:

Store flat and keep dry and covered prior to installation. Installing siding wet or saturated may result in shrinkage at butt joints. Carry planks on edge. Protect edges and corners from breakage. James Hardie is not responsible for damage caused by improper storage and handling of the product.



⚠ CUTTING INSTRUCTIONS

OUTDOORS
1. Position cutting station so that wind will blow dust away from user and others in working area.
2. Use one of the following methods:
   - a. Best: i. Score and snap; ii. Shears (manual, electric or pneumatic)
   - b. Better: i. Dust reducing circular saw equipped with a HardieBlade® saw blade and HEPA vacuum extraction
   - c. Good: i. Dust reducing circular saw with a HardieBlade saw blade (only use for low to moderate cutting)

INDOORS
1. Cut only using score and snap, or shears (manual, electric or pneumatic).
2. Position cutting station in well-ventilated area

- NEVER use a power saw indoors
- NEVER use a circular saw blade that does not carry the HardieBlade saw blade trademark
- NEVER dry sweep – Use wet suppression or HEPA Vacuum

Important Note: For maximum protection (lowest respirable dust production), James Hardie recommends always using "Best"-level cutting methods where feasible.

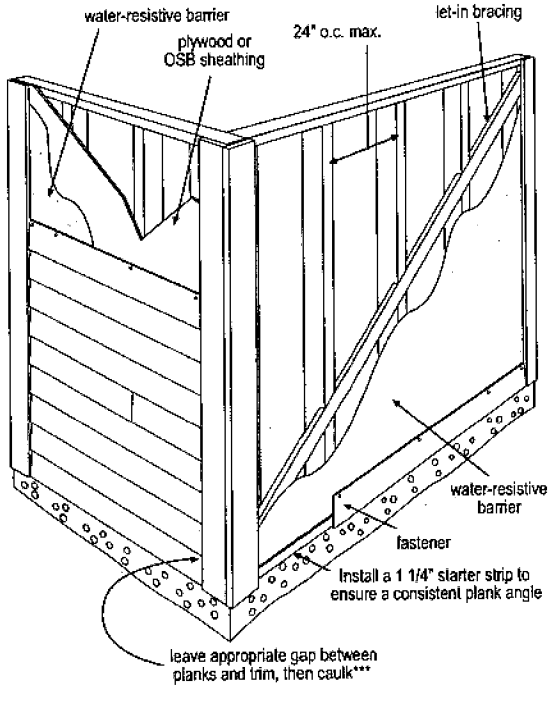
NIOSH-approved respirators can be used in conjunction with above cutting practices to further reduce dust exposures. Additional exposure information is available at www.jameshardie.com to help you determine the most appropriate cutting method for your job requirements. If concern still exists about exposure levels or you do not comply with the above practices, you should always consult a qualified industrial hygienist or contact James Hardie for further information.

SD083105

GENERAL REQUIREMENTS:

- HardiePlank® lap siding can be installed over braced wood or steel studs spaced a maximum of 24" o.c. or directly to minimum 7/16" thick OSB sheathing. Irregularities in framing and sheathing can mirror through the finished application.
- HardiePlank lap siding can also be installed over foam insulation/sheathing up to 1" thick. When using foam insulation/sheathing, avoid over-driving nails (fasteners), which can result in dimpling of the siding due to the compressible nature of the foam insulation/sheathing. Extra caution is necessary if power-driven nails (fasteners) are used for attaching siding over foam insulation/sheathing.
- A water-resistive barrier is required in accordance with local building code requirements. The water-resistive barrier must be appropriately installed with penetration and junction flashing in accordance with local building code requirements. James Hardie will assume no responsibility for water infiltration. James Hardie does manufacture HardieWrap™ Weather Barrier, a non-woven non-perforated housewrap[1], which complies with building code requirements.
- Install James Hardie® products with a minimum 6" clearance to the finished grade on the exterior of the building or in accordance with local building codes if greater than 6" is required (fig. 3).
- Maintain a 1" - 2" clearance between James Hardie products and roofs, decks, paths, steps and driveways (figs. 4, 5 & 6).
- Maintain a 1/4" clearance between James Hardie products and horizontal flashing (fig. 7).
- Ensure gutters have end caps. Maintain a minimum 1" gap between end caps and siding & trim (fig.8).
- Install kickout flashing at roof-wall junctions (fig. 9).
- Adjacent finished grade must slope away from the building in accordance with local building codes - typically a minimum of 6" in the first 10'.
- Do not install James Hardie products, such that they may remain in contact with standing water.
- HardiePlank lap siding may be installed on vertical wall applications only.
- DO NOT use stain on James Hardie® products.

Figure 1 Double Wall Construction / Single Wall Construction



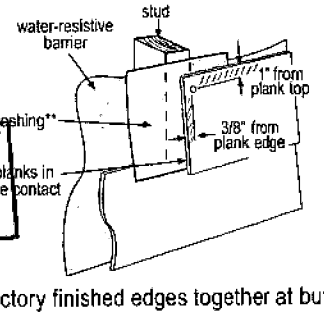
INSTALLATION:

JOINT TREATMENT*

(Required for ColorPlus® Finish, Recommended for Primed product)

James Hardie does not recommend the use of caulk at field butt joints.

Figure 2



Install factory finished edges together at butt joints.

*For other jointing options, refer to local building code or NER 405

**As required by local building code ***Apply caulk in accordance with caulk manufacturers written application instructions.

[1]For additional information on HardieWrap™ Weather Barrier, consult James Hardie at 1-866-4Hardie or www.hardiewrap.com

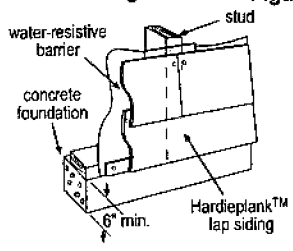
WARNING: AVOID BREATHING SILICA DUST
James Hardie® products contain respirable crystalline silica, which is known to the State of California to cause cancer and is considered by IARC and NIOSH to be a cause of cancer from some occupational sources. Breathing excessive amounts of respirable silica dust can also cause a disabling and potentially fatal lung disease called silicosis, and has been linked with other diseases. Some studies suggest smoking may increase these risks. During installation or handling: (1) work in outdoor areas with ample ventilation; (2) use fiber cement shears for cutting or, where not feasible, use a HardieBlade® saw blade and dust-reducing circular saw attached to a HEPA vacuum; (3) warn others in the immediate area; (4) wear a properly-fitted, NIOSH-approved dust mask or respirator (e.g. N-95) in accordance with applicable government regulations and manufacturer instructions to further limit respirable silica exposures. During clean-up, use HEPA vacuums or wet cleanup methods - never dry sweep. For further information, refer to our installation instructions and Material Safety Data Sheet available at www.jameshardie.com or by calling 1-800-9HARDIE (1-800-942-7343). FAILURE TO ADHERE TO OUR WARNINGS, MSDS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY OR DEATH.

SDC50605

CLEARANCES

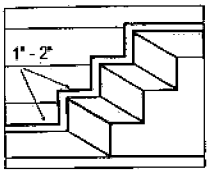
Install siding and trim products in compliance with local building code requirements for clearance between the bottom edge of the siding and the adjacent finished grade.

Figure 3



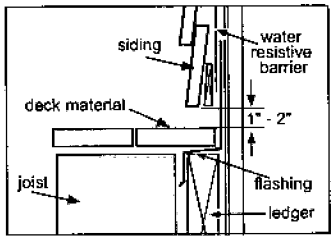
Maintain a 1" - 2" clearance between James Hardie® products and paths, steps and driveways.

Figure 4



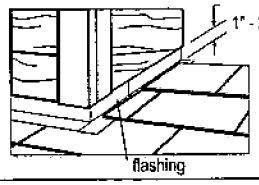
Maintain a 1" - 2" clearance between James Hardie products and decking material.

Figure 5



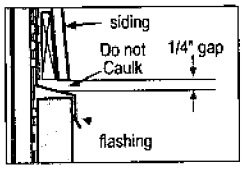
At the juncture of the roof and vertical surfaces, flashing and counterflashing shall be installed per the roofing manufacturer's instructions. Provide a 1" - 2" clearance between the roofing and the bottom edge of the siding and trim.

Figure 6



Maintain a 1/4" clearance between the bottom of James Hardie products and horizontal flashing. Do not caulk gap.

Figure 7



Maintain a minimum 1" gap between gutter end caps and siding & trim.

Figure 8

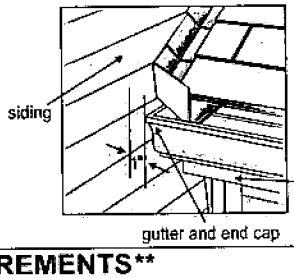
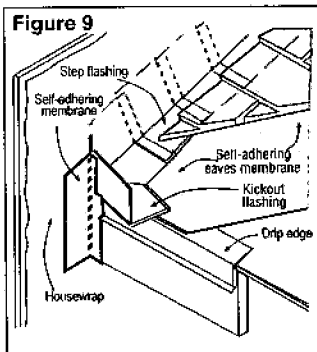


Figure 9



KICKOUT FLASHING

Because of the volume of water that can pour down a sloped roof, one of the most critical flashing details occurs where a roof intersects a sidewall. The roof must be flashed with step flashing. Where the roof terminates, install a kickout to deflect water away from the siding.

It is best to install a self-adhering membrane on the wall before the subfascia and trim boards are nailed in place, and then come back to install the kickout.

Figure 9, Kickout Flashing To prevent water from dumping behind the siding and the end of the roof intersection, install a "kickout" of sufficient length and angle to direct the water running down the roof away from the siding.

FASTENER REQUIREMENTS**

Blind Nailing is the preferred method of installation for all HardiePlank® lap siding products

BLIND NAILING

Nails - Wood Framing
- Siding nail (0.09" shank x 0.221" HD x 2" long)
- 11ga. roofing nail (0.121" shank x 0.371" HD x 1.25" long)

Screws - Steel Framing
- Ribbed Wafer-head or equivalent (No. 8 x 1 1/4" long x 0.375" HD) Screws must penetrate 3 threads into metal framing.

Nails - Steel Framing
- ET & F Panelfast® nails or equivalent (0.10" shank x 0.313" HD x 1-1/2" long) Nails must penetrate minimum 1/4" into metal framing.

OSB minimum 7/16"
- 11ga. roofing nail (0.121" shank x 0.371" HD x 1.75" long)
- Ribbed Wafer-head or equivalent (No. 8 x 1 5/8" long x 0.375" HD).

Face Nailing should only be used where required for high wind areas and must not be used in conjunction with Blind Nailing

FACE NAILING

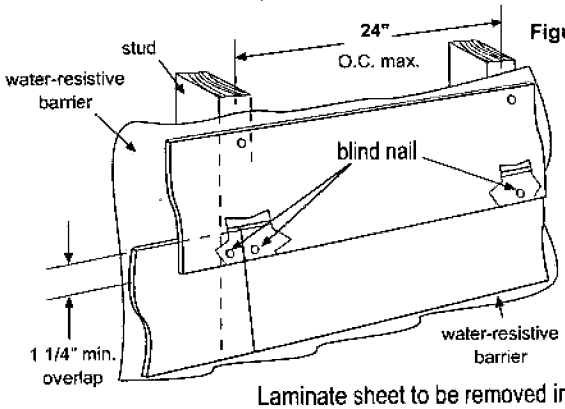
Nails - Wood Framing
- 6d (0.113" shank x 0.267" HD x 2" long)
- Siding nail (0.09" shank x 0.221" HD x 2" long)

Screws - Steel Framing
- Ribbed Bugle-head or equivalent (No. 8-18 x 1-5/8" long x 0.323" HD) Screws must penetrate 3 threads into metal framing.

Nails - Steel Framing
- ET & F pin or equivalent (0.10" shank x 0.25" HD x 1-1/2" long) Nails must penetrate minimum 1/4" into metal framing.

OSB minimum 7/16"
- Siding nail (0.09" shank x 0.221" HD x 1-1/2" long)*

Figure 10



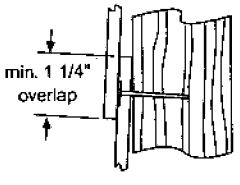
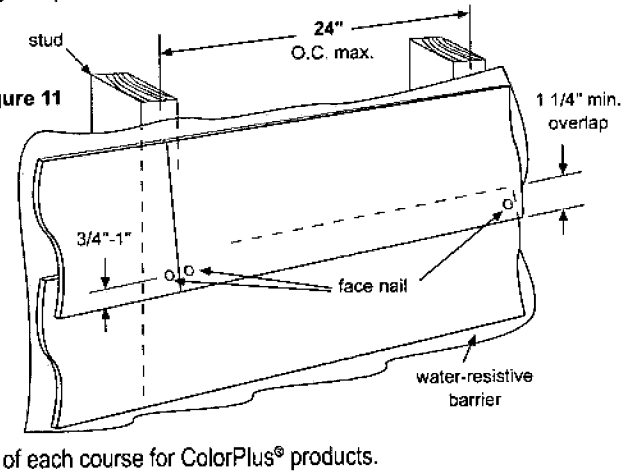


Figure 11



Laminate sheet to be removed immediately after installation of each course for ColorPlus® products.

‡ The illustration (figure 9) and associated text was reprinted with permission of THE JOURNAL OF LIGHT CONSTRUCTION. For subscription information, visit www.jlconline.com.

* When face nailing to OSB, planks must be no greater than 9 1/4" wide and fasteners must be 12" o.c. or less.

** Also see General Fastening Requirements.

GENERAL FASTENING REQUIREMENTS

Fasteners must be corrosion resistant, galvanized, or stainless steel. Electro-galvanized are acceptable but may exhibit premature corrosion. James Hardie recommends the use of quality, hot-dipped galvanized nails. James Hardie is not responsible for the corrosion resistance of fasteners. Stainless steel fasteners are recommended when installing James Hardie® products near the ocean, large bodies of water, or in very humid climates.

PNEUMATIC FASTENING

James Hardie products can be hand nailed or fastened with a pneumatic tool. Pneumatic fastening is highly recommended. Set air pressure so that the fastener is driven snug with the surface of the siding. A flush mount attachment on the pneumatic tool is recommended. This will help control the depth the nail is driven. If setting the nail depth proves difficult, choose a setting that under drives the nail. (Drive under driven nails snug with a smooth faced hammer - Does not apply for installation to steel framing).

- Consult applicable code compliance report for correct fasteners type and placement to achieve specified design wind loads.
- NOTE: Published wind loads may not be applicable to all areas where Local Building Codes have specific jurisdiction. Consult James Hardie Technical Services if you are unsure of applicable compliance documentation.
- Drive fasteners perpendicular to siding and framing.
- Fastener heads should fit snug against siding (no air space). (fig. A)
- Do not over-drive nail heads or drive nails at an angle.
- If nail is countersunk, caulk nail hole and add a nail. (fig. B)
- For wood framing, under driven nails should be hit flush to the plank with a hammer (For steel framing, remove and replace nail).
- **Do not use aluminum fasteners, staples, or clipped head nails.**

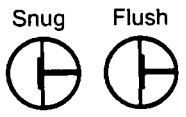


Figure A

Figure B


do not under drive nails

CAULKING

For best results use an Elastomeric Joint Sealant complying with ASTM C920 Grade NS, Class 25 or higher or a Latex Joint Sealant complying with ASTM C834. Caulking/Sealant must be applied in accordance with the caulking/sealant manufacturer's written instructions or ASTM C1193.

PAINTING

DO NOT use stain on James Hardie® products.
James Hardie products must be painted within 180 days for primed product and 90 days for unprimed.
100% acrylic topcoats are recommended.
Do not paint when wet. For application rates refer to paint manufacturers specifications.
Back-rolling is recommended if the siding is sprayed.

COLORPLUS® TECHNOLOGY CAULKING, TOUCH-UP & LAMINATE

- Touch up nicks, scrapes and nail heads using the ColorPlus® Technology touch-up applicator. Touch-up paint should be used sparingly. If large areas require touch-up, replace the damaged area with new HardiePlank® lap siding with ColorPlus Technology.
- Laminate sheet must be removed immediately after installation of each course.
- Terminate non-factory cut edges into trim where possible, and caulk. Color matched caulks are available from your ColorPlus® product dealer.
- Treat all other non-factory cut edges using the ColorPlus Technology edge coaters, available from your ColorPlus product dealer.

PAINTING JAMES HARDIE® SIDING AND TRIM PRODUCTS WITH COLORPLUS® TECHNOLOGY

When repainting ColorPlus products, James Hardie recommends the following regarding surface preparation and topcoat application:

- Ensure the surface is clean, dry, and free of any dust, dirt, or mildew
- Repriming is normally not necessary
- 100% acrylic topcoats are recommended
- DO NOT use stain or oil/alkyd base paints on James Hardie® products
- Apply finish coat in accordance with paint manufacturers written instructions regarding coverage, application methods, and application temperature

COVERAGE CHART/ESTIMATING GUIDE

Number of 12' planks, does not include waste

COVERAGE AREA LESS OPENINGS SQ (1 SQ = 100 sq.ft.)	HARDIEPLANK™ LAP SIDING WIDTH								
(exposure)	5 1/4 4	6 1/4 5	7 1/4 6	7 1/2 6 1/4	8 6 3/4	8 1/4 7	9 1/4 8	9 1/2 8 1/4	12 10 3/4
1	25	20	17	16	15	14	13	13	9
2	50	40	33	32	30	29	25	25	19
3	75	60	50	48	44	43	38	38	28
4	100	80	67	64	59	57	50	50	37
5	125	100	83	80	74	71	63	63	47
6	150	120	100	96	89	86	75	75	56
7	175	140	117	112	104	100	88	88	65
8	200	160	133	128	119	114	100	100	74
9	225	180	150	144	133	129	113	113	84
10	250	200	167	160	148	143	125	125	93
11	275	220	183	176	163	157	138	138	102
12	300	240	200	192	178	171	150	150	112
13	325	260	217	208	193	186	163	163	121
14	350	280	233	224	207	200	175	175	130
15	375	300	250	240	222	214	188	188	140
16	400	320	267	256	237	229	200	200	149
17	425	340	283	272	252	243	213	213	158
18	450	360	300	288	267	257	225	225	167
19	475	380	317	304	281	271	238	238	177
20	500	400	333	320	296	286	250	250	186

This coverage chart is meant as a guide. Actual usage is subject to variables such as building design. James Hardie does not assume responsibility for over or under ordering of product.

RECOGNITION: In accordance with ICC-ES Legacy Report NER-405, HardiePlank® lap siding is recognized as a suitable alternate to that specified in: the BOCA National Building Code/1999, the 1997 Standard Building Code, the 1997 Uniform Building Code, the 1998 International One- and Two-Family Dwelling Code, the 2003 International Building Code, and the 2003 International Residential Code for One-and Two-Family Dwellings. HardiePlank lap siding is also recognized for application in the following: City of Los Angeles Research Report No. 24862, State of Florida listing FL#889, Dade County, Florida NOA No. 02-0729.02, U.S. Dept. of HUD Materials Release 1263c, Texas Department of Insurance Product Evaluation EC-23, City of New York MEA 223-93-M, and California DSA PA-019. These documents should also be consulted for additional information concerning the suitability of this product for specific applications.

Additional Installation Information, Warranties, and Warnings are available at www.jameshardie.com

JamesHardie®

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

Site Provided by...
governmax.com T1.13

Summary

print Owner 4 of 9

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

Search By
Parcel ID
Owner
Address
Account #
Use Code
Legal Description
Neighborhood
Sales
Map →

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

Parcel ID	Unit Address	Serial ID	Index Order	Commercial	Residential
12-38-41-002-000-00720-6	18 RIO VISTA DR	27585	Owner	0	1

Summary
Property Location 18 RIO VISTA DR
Tax District 2200 Sewall's Point
Account # 27585
Land Use 101 0100 Single Family
Neighborhood 120250
Acres 0.376

Legal Description
Property Information
RIO VISTA S/D LOT 72

Owner Information
Owner Information
KELSO, HARRY DAVID & MARJORIE LOU

Mail Information
18 RIO VISTA DR
STUART FL 34996

Assessment Info
Front Ft. 0.00

Market Land Value $223,250
Market Impr Value $131,310
Market Total Value $354,560

Recent Sale
Sale Amount $0

Sale Date 3/6/2006
Book/Page 2118 1234

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 Data updated on 6/22/2009

NOTICE OF COMMENCEMENT

TO BE COMPLETED WHEN CONSTRUCTION VALUE EXCEEDS $2,500.00

PERMIT #: _____ TAX FOLIO #: _____

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): 12-38-41-002-000-00720-6
REO VESTA S/D LOT 72 - 18 REO VESTA DR, SEWALLS PT, 34996

GENERAL DESCRIPTION OF IMPROVEMENT: NEW SIDING

OWNER NAME: DAVE KELSO
ADDRESS: 18 RIO VISTA DR. SEWELS PT. FL 34996
PHONE NUMBER: 772 286 3092 FAX NUMBER: _____

INTEREST IN PROPERTY: _____
NAME AND ADDRESS OF FEE SIMPLE TITLE HOLDER (IF OTHER THAN OWNER):
_____

CONTRACTOR: SANCO CONSTRUCTION INC.
ADDRESS: 1127 NE QUINN PL. JENSEN BEACH FL 34957
PHONE NUMBER: 772 215 1578 FAX NUMBER: 772 232 0024

SURETY COMPANY (IF ANY): N/A
ADDRESS: _____
PHONE NUMBER: _____ FAX NUMBER: _____
BOND AMOUNT: _____

LENDER/MORTGAGE COMPANY: N/A
ADDRESS: _____
PHONE NUMBER: _____ FAX NUMBER: _____

STATE OF FLORIDA
MARTIN COUNTY
THIS IS TO CERTIFY THAT THE FOREGOING ____ PAGES IS A TRUE AND CORRECT COPY OF THE ORIGINAL.
MARSHA EWING, CLERK
BY: _____ D.C.
DATE: 7/16/09

CIRCUIT COURT MARTIN COUNTY, FLORIDA

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 NUMBER: _____ FAX NUMBER: _____

IN ADDITION TO HIMSELF OR HERSELF, OWNER DESIGNATES _____ OF _____ TO RECEIVE A COPY OF THE LIENOR'S NOTICE AS PROVIDED IN SECTION 713.13(1)(B), FLORIDA STATUES:
PHONE NUMBER: _____ FAX NUMBER: _____

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

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART 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 OF OWNER OR OWNER'S AUTHORIZED OFFICER/DIRECTOR/PARTNER/MANAGER

SIGNATORY'S TITLE/OFFICE _____

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 14 DAY OF July, 2009

BY: Harry David Kelso (NAME OF PERSON) AS _____ (TYPE OF AUTHORITY) FOR _____ (NAME OF PARTY ON BEHALF OF WHOM INSTRUMENT WAS EXECUTED)

PERSONALLY KNOWN ____ OR PRODUCED IDENTIFICATION ✓

TYPE OF IDENTIFICATION PRODUCED DL

_____
NOTARY SIGNATURE/ SEAL

NANCY PRYWITOWSKI
Notary Public - State of Florida
My Commission Expires Nov 27, 2010
Commission # DD 617891
Bonded Through National Notary Assn.

UNDER PENALTIES OF PERJURY, I DECLARE THAT I HAVE READ THE FOREGOING AND THE FACTS STATED IN IT ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF (SECTION 92.525, FLORIDA STATUTES).

* _____
(Signature of Natural Person Signing Above)

INSTR # 2157523 OR BK 02401 PG 2287 RECD 07/16/2009 01:23:50 PM
MARSHA EWING MARTIN COUNTY DEPUTY CLERK C Hunter
Pg 2287; (1pg)

MIAMI-DADE
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

NOTICE OF ACCEPTANCE (NOA)

James Hardie Building Product, Inc.
10901 Elm Avenue
Fontana, CA 92337

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 Florida Building Code including the High Velocity Hurricane Zone.

DESCRIPTION: Hardiplank, Cemplank, Hardipanel, Cempanel, Hardisoffit and Cemsoffitt

APPROVAL DOCUMENT: Drawing No. HPNL-8X, HPLK-4X8 & HSOFFIT-8X, titled "Hardipanel & Cempanel; Hardiplank & Cemplank; Hardisoffit & Cemsoffit Installation Details", sheets 1 through 3 with no revisions, prepared, signed and sealed by Ronald Ogawa, P.E., dated 04/02/04, 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 unit shall bear a permanent label with the manufacturer's name or logo, city, state and 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 # 02-0729.02** and, consists of this page, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

James Hardie Building Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A DRAWING (submitted under NOA No. 02-0729.02)

1. Drawing prepared by James Hardie Building Products, Inc. titled "Hardipanel & Cempanel; Hardiplank & Cemplank; Hardisoffit & Cemsoffit Installation Details", drawing No HPNL-8X, HPLK-4X8 & HSOFFIT-8X, dated 04/02/04, with no revisions, signed and sealed by R. L. Ogana, PE.

B TEST (submitted under NOA No. 02-0729.02)

	Laboratory Report	Test	Date	Signature
1.	ATI-16423-1	PA 202 & 203	03/18/96	A. N. Reeves PE.
2.	ATI 16423-2	PA 202 & 203	03/18/96	A. N. Reeves PE.
3.	ATI 16423-3	PA 202 & 203	03/18/96	A. N. Reeves PE.

C QUALITY ASSURANCE

1. Building Code Compliance Office.

D MATERIAL CERTIFICATION (submitted under NOA No. 02-0729.02)

1 Standard Compliance (ASTM C-1185) issued by ETL Testing Laboratories on 05/09/95 signed by D. K. Tucker, PE.

2 Evaluation Report NER-405 issued by National Evaluation Service, Inc. on 01/01/93, with no signature.

E STATEMENT (submitted under NOA No. 02-0729.02)

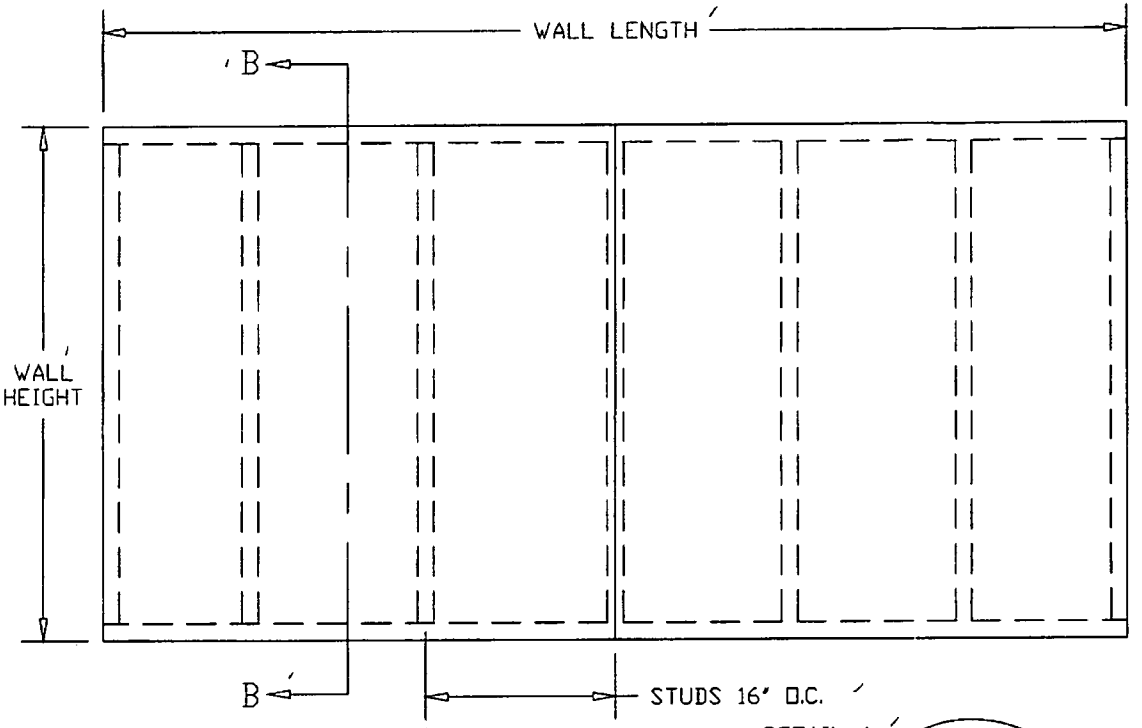
1. No change letter issued by James Hardie Building Products, Inc. issued on 02/16/99, signed and by J. L Mulder.
2. Power of Attorney and Appointment of Domestic Representative, signed by P. Shafron on 04/17/02, Assignment and Memorandum of Assignment signed by T. P. Dolmans on 04/16/02 and Assignment for the trade marks of Cemplank, Cempanel and Cemsoffit to the Assistant Commissioner for Trademarks signed by V. Lester and P. Shafron on 04/18/02.

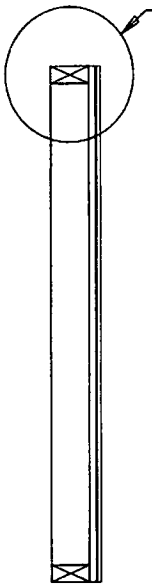
E OTHERS

1. No change letter issued by James Hardie Building Products, Inc. issued on 04/02/07, signed and sealed by Chad Diercks, Technical Services Manger.
2. Engineer of record letter issued by Ronald Ogawa & Associates, Inc., dated April 3, 2007, signed and sealed by Ronald I. Ogawa, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 07-0418.04
Expiration Date: May 01, 2012
Approval Date: May 31, 2007

REVISION BLOCK
REV. # / DATE:





SECTION B-B

DESCRIPTION
Hardipanel & Cempanel siding material is a non asbestos fiber cement product tested in accordance with ASTM C-1185 and meeting the requirements of the Florida Building Code.

PANEL DIMENSIONS

Width	Length	Thickness
48"	8,9,10'	5/16"

DESIGN PRESSURE RATING

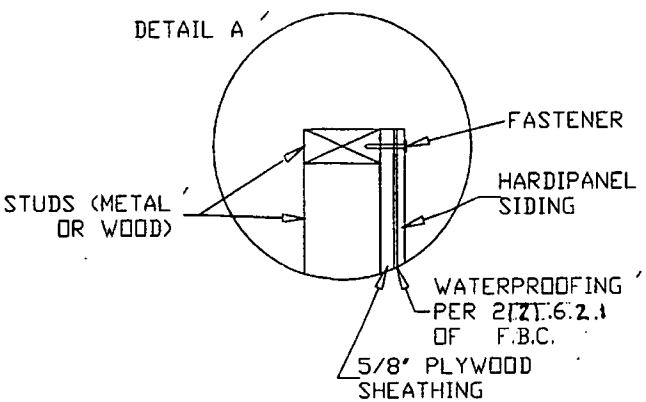
Installation	Design Pressure
Wood frame	-76 PSF
Metal frame	-104 PSF

NOTES
1) ALL INSTALLATION SHALL BE DONE IN CONFORMANCE WITH THIS NOTICE OF ACCEPTANCE, THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS, AND THE APPLICABLE SECTIONS OF THE FLORIDA BUILDING CODE.

2) STUDS OF METAL OR WOOD WHERE HARDIPANEL & CEMPANEL WILL BE INSTALLED SHALL BE DESIGNED BY AN ENGINEER OR ARCHITECT PER THE F.B.C. AND THE REQUIREMENTS OF THIS N.O.A.

HARDIPANEL & CEMPANEL SIDING INSTALLATION DETAILS
The panels are applied vertically, avoiding horizontal joints, over 5/8" (5 ply) APA rated plywood supported by a minimum of 2"x4" wood studs or 20 ga. x 3 5/8" x 1 3/8" steel studs spaced a maximum of 16" o.c. When installed on wood studs panels shall be fastened with 6d x 2" long galvanized box nails; on steel studs it shall be fastened with #8 x 1 5/8" x 0.315" corrosion resistance H.D. ribbed buggle screws. The fasteners shall be placed @ 6" o.c. around the perimeter of the panel and intermediate studs, driven through the plywood sheathing into the studs. All joints shall be over studs. Nails and screws shall have a minimum edge distance of 3/8" and a minimum clearance of 2" from the corners.

5/8" PLYWOOD SHEATHING SHALL BE ATTACHED TO THE STUDS IN ACCORDANCE TO FLORIDA BUILDING CODE, WITH ANOTHER SET OF NAILS OR SCREWS AS UNDERLINED ABOVE.



PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 07-0418.04
Expiration Date: 05/01/2012
By: Miami-Dade Product Control Division

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 02-0725.02
Expiration Date: 05/01/09
By: Miami-Dade Product Control Division

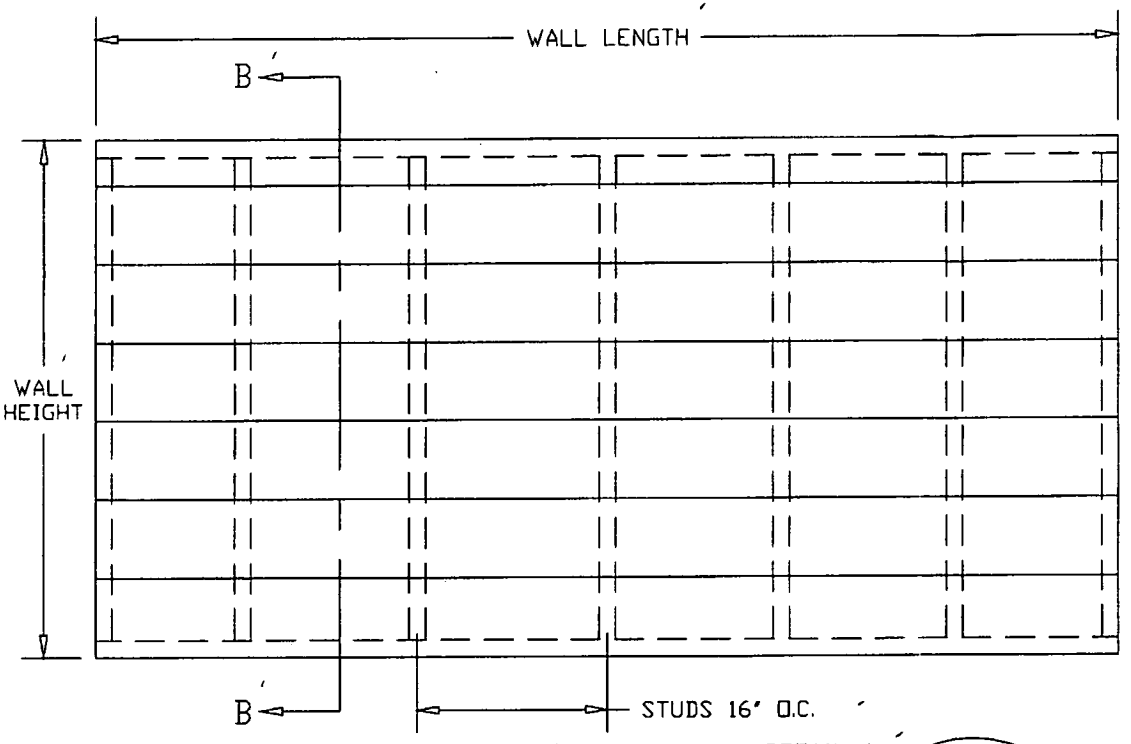
JAMES HARDIE BUILDING PRODUCTS - USA
RESEARCH & DEVELOPMENT CENTER
10901 ELM AVENUE
FONTANA, CA 92337
909-356-6300
FAX: 909-427-0634

DATE:	04/02/2004
DRG NO.:	HPNL-8X
SHEET NO.:	1/3
SCALE:	NTS
DRAWN BY:	C DIERCKS
ENG NO.:	

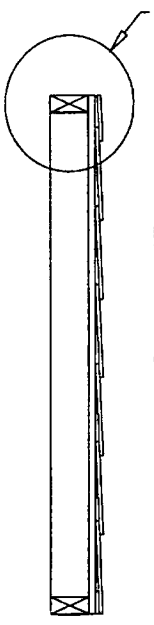
TITLE: HARDIPANEL® & CEMPANEL® INSTALLATION DETAILS

APPROVING ENG: | ENG DISCIPLINE:

REVISION BLOCK	
REV. # / DATE:	



SECTION B-B



DESCRIPTION
Hardiplank & Cemplank siding material is a non asbestos fiber cement product tested in accordance with ASTM C-1185 and meeting the requirements of the Florida Building Code.

PLANK DIMENSIONS

Width	Length	Thickness
≤9 1/2"	12 & 14'	5/16"

DESIGN PRESSURE RATING

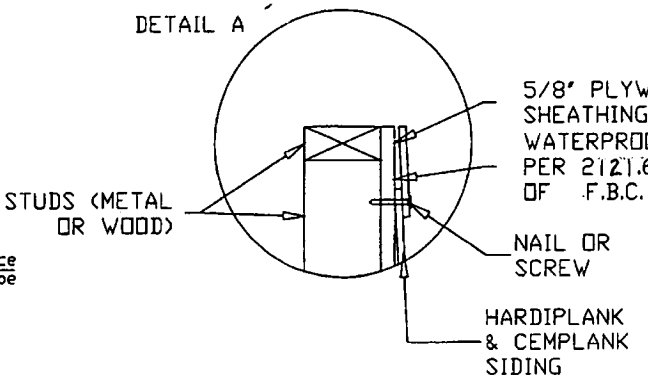
Installation	Design Pressure
Wood frame	-92 PSF
Metal frame	-92 PSF

NOTES
1) ALL INSTALLATION SHALL BE DONE IN CONFORMANCE WITH THIS NOTICE OF ACCEPTANCE, THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS, AND THE APPLICABLE SECTIONS OF THE FLORIDA BUILDING CODE.

2) STUDS OF METAL OR WOOD WHERE HARDIPLANK & CEMPLANK WILL BE INSTALLED SHALL BE DESIGNED BY AN ENGINEER OR ARCHITECT PER THE F.B.C. AND THE REQUIREMENTS OF THIS N.O.A.

HARDIPLANK & CEMPLANK SIDING INSTALLATION DETAILS
The planks are applied horizontally commencing from the bottom course of a wall with 1 1/4" wide laps at top of the plank. The optional PVC cover molding 1 5/8" wide is applied to the bottom plate under the bottom plank course. The vertical joints must be over framing members. Optional PVC butt joints inserts are used for on-stud jointing. The planks are to be installed over 5/8" (5 ply) APA rated plywood supported by a minimum of 2"x4" wood studs or 20 ga. x 3 5/8" x 1 3/8" steel studs spaced a maximum of 16" o.c. The siding shall be fastened through over lapping planks with 8d x 2 1/2" long galvanized box nails over wood studs or with #8 x 2 1/4" long x 0.315" corrosion resistance H.D. ribbed bugle screws over steel studs. The fasteners shall be placed in the over-lapping area ≤8" o.c. vertically and 16" o.c. horizontally into the studs through the 5/8" plywood sheathing. A distance of 3/4" from the edges shall always be observed.

5/8" PLYWOOD SHEATHING SHALL BE ATTACHED TO THE STUDS IN ACCORDANCE TO FLORIDA BUILDING CODE, WITH ANOTHER SET OF NAILS OR SCREWS AS UNDERLINED ABOVE.



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as complying with the Florida Building Code
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PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 02-0729.02
Expiration Date: 05/01/07
By: Miami Dade Product Control Division

JAMES HARDIE BUILDING PRODUCTS – USA
RESEARCH & DEVELOPMENT CENTER
10901 ELM AVENUE
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909-356-6300
FAX: 909-427-0634

DATE:	04/02/2004
DRG NO.:	HPLK-4X8
SHEET NO.:	2/3
SCALE:	NTS
DRAWN BY:	C DIERCKS
ENG NO.:	

TITLE: HARDIPLANK® & CEMPLANK® INSTALLATION DETAILS

APPROVING ENG: | ENG DISCIPLINE:

LEGACY REPORT

NER-405

Reissued April 1, 2004

ICC Evaluation Service, Inc.
www.icc-es.org

Business/Regional Office ■ 5360 Workman Mill Road, Whittier, California 90601 ■ (562) 699-0543
Regional Office ■ 900 Montclair Road, Suite A, Birmingham, Alabama 35213 ■ (205) 599-9800
Regional Office ■ 4051 West Flossmoor Road, Country Club Hills, Illinois 60478 ■ (708) 799-2305

Legacy report on the 2000 *International Building Code*®, the BOCA® *National Building Code*/1999, the 1999 *Standard Building Code*®, the 1997 *Uniform Building Code*™, the 2000 *International Residential Code*®, the *2002 Accumulative Supplement to the International Codes*™ and the 1998 *International One and Two Family Dwelling Code*®

DIVISION 06 — WOOD AND PLASTICS
Section 06160 — Sheathing

DIVISION 07 — THERMAL AND MOISTURE PROTECTION
Section 07450 — Fiber-Reinforced Cementitious Panels
Section 07460 — Siding

JAMES HARDIE BUILDING PRODUCTS, INC.
10901 ELM AVENUE
FONTANA, CALIFORNIA 92337
909-356-6366
www.jameshardie.com

1.0 SUBJECT

1.1 SIDING AND SOFFIT BOARDS

1.1.1 Hardiplank ® lapsiding
1.1.2 Hardiflex™ panel
1.1.3 Hardipanel ® siding
1.1.4 Harditex ® baseboard
1.1.5 Hardisoffit ® panel
1.1.6 Hardishingle™ cladding
1.1.7 Hardishingle™ panel
1.1.8 Hardipanel ® Shiplap

1.2 LINING BOARD AND UNDERLAYMENT

1.2.1 Titan ® panel
1.2.2 Hardibacker ® backerboard
1.2.3 Hardibacker ® underlayment
1.2.4 Titan ®-FR panel
1.2.5 Hardibacker 500 ® backerboard

1.3 SUBFLOOR PANELS

1.3.1 Compressed Sheet™

2.0 PROPERTY FOR WHICH EVALUATION IS SOUGHT

2.1 Exterior Wall Covering
2.2 Structural Performance
2.3 Noncombustible Construction
2.4 Fire-resistive Construction
2.5 Thermal Resistance

3.0 DESCRIPTION

3.1 GENERAL

The exterior siding and soffit boards, interior lining and underlayment, and subfloor panels are single-faced, cellulose fiber-reinforced cement (fiber-cement) building boards. The Titan ®-FR panel is a composite panel composed of a $^1/_8$-inch (3.2 mm) thick fiber-cement skin laminated to $^1/_2$-inch (12.7 mm) thick proprietary Type X gypsum board.

All fiber-cement planks and panels are produced from the same components and differ in surface treatments and board configurations. Exterior siding and soffit boards are identified as Hardiplank® (Hardihome™, Sentry™, Colonial Smooth®, Colonial Roughsawn®, Cemplank® and Hardishingle™), Hardiflex™, Hardipanel®, Cempanel®, Harditex® baseboard, Hardisoffit ®, Cemsoffit® boards, Hardishingle™ panel and Hardishingle™ cladding shingles. Interior backerboards and underlayments are identified as Titan®, Hardibacker® (backerboard), Hardibacker® (underlayment), Ultraboard® and Titan®-FR panel. Subfloor panels are identified as Compressed Sheet. The planks, panels, and shingles are manufactured by the Hatschek process and cured by high-pressure steam autoclaving. All products are cut to shape on-site by the score-and-snap method using a tool available from the manufacturer, a hand guillotine or a handsaw utilizing a carbide blade.

The fiber-cement products have a flame-spread index of 0 and a smoke developed index of 5 when tested in accordance with ASTM E 84. The products are classified as noncombustible when tested in accordance with ASTM E 136. The siding and soffit products comply with ASTM C 1186, *Standard Specification for Grade II, Type A, Non-Asbestos Fiber-Cement Flat Sheets*. The subfloor panels comply with ASTM C 1186, *Standard Specification for Grade IV, Type A, Non-Asbestos Fiber-Cement Flat Sheets*. The interior lining products, Hardibacker® and Titan®, comply with ASTM C 1288, *Standard Specification for Grade II Discrete Non-Asbestos Fiber-Cement Interior Substrate Sheets*. The interior lining product Hardibacker 500® complies with ASTM C 1288, *Standard Specification for Grade I Discrete Non-Asbestos Fiber-Cement Interior Substrate Sheets*. All interior lining boards comply with ANSI A118.9 as cementitious backer units. When tested in accordance with ASTM C 177, "K" and "R" values for the products are as shown in Table 4 of this report. When tested in accordance with ASTM E 96, products with a thickness of $^1/_4$-inch (6.4 mm) or greater have demonstrated the permeance values given in Table 5 of this report.

3.1.1 James Hardie Trade Names

Hardiplank®	Hardihome™
Cemplank®	Hardipanel®
Sentry™	Cempanel®
Colonial Smooth®	Hardiflex™
Colonial Woodgrain®	Harditex®
Hardisoffit®	Hardie®
Cemsoffit®	James Hardie®
Hardibacker®	Titan®-FR
Ultraboard®	Max "C"™
Titan®	Hardibacker 500®
Hardirock®	

3.2 SIDING AND SOFFIT BOARDS

Hardiplank®, Hardiflex™, Hardipanel®, Harditex® baseboard, Hardishingle™ planks and panels, Hardisingle™ cladding shingles, and Hardisoffit® boards are used as siding on exterior walls and soffits. The exterior siding and soffit products may be supplied unprimed or primed for subsequent application of a compatible primer and/or exterior-grade topcoat(s).

Nominal dimensions are noted in Table 1 of this report, maximum basic wind speeds in Table 2a, 2b, 6, 7, 8, and 9 of this report, and maximum shear values in Table 3 of this report.

3.2.1 Hardiplank® (Hardihome™, Sentry™, Colonial Smooth®, Colonial Roughsawn®, Hardishingle™ and Cemplank®) Lap Siding

3.2.1.1 General: Lap siding is available in various finish textures. The siding is applied horizontally commencing from the bottom course of a wall with minimum $1^1/_4$-inch (32 mm) wide laps at the top edge. Vertical joints butt over studs except where the "off-stud splice device" is utilized as described in Section 3.2.1.2 of this report, or where the planks are installed over solid panel sheathing.

When installed on wood-framing members, the siding shall be fastened either through the overlapping planks (face nailed) or through the top edge of single planks (blind nailed) with corrosion-resistant nails into each wood-framing member. The lap conceals the fasteners in the previous course when blind nailed. When attached to metal framing members, the siding is fastened either through the overlapping planks with $1^5/_8$-inch (41 mm) long No. 8 by 0.323-inch (8.2 mm) HD, self-drilling, corrosion-resistant, ribbed buglehead screws or with 0.100 in. (2.54 mm) shank by 0.25 in. (6.4 mm) HD by $1^1/_2$-in. (38 mm) long ET & F brand pin fasteners at each metal framing member, or through the top edge of single planks with minimum $1^1/_4$-inch (32 mm) long No. 8 by 0.375-inch (9.5 mm) HD, self-drilling, corrosion-resistant, ribbed waferhead screws or with 0.100 in. (2.54 mm) shank by 0.313 in. (7.5 mm) HD by 1 ½ in. (38 mm) long ET & F Panelfast® brand fasteners at each metal framing member. Planks may also be fastened to a wall constructed of concrete masonry units complying with ASTM C 90 with 0.14 in. (3.5 mm) shank by 0.300 in. (7.6 mm) HD by 1 1/4 in. (32 mm) long ET & F brand Stud Nails. The lap conceals the fasteners in the previous course.

3.2.1.2 Off-Stud Splice Device: Vertical joints of the planks shall butt over framing members or between the framing members when an "off-stud splice device" is placed on each plank end. The splice device's bottom lip is placed over the adjacent solid course of planks. The plank is then fastened to the framing. The abutting plank is positioned and fastened into place ensuring that the lower edges of the two planks align. The metal device is located centrally over the joint. Restrictions on the "off-stud splice device" locations are as follows:

- Splices shall be located a minimum of two stud cavities from wall corners.
- Successive splices within the same plank course shall be located no closer than 48 inches (1219 mm) from one another.
- Splices shall be staggered at minimum 24-inch (610 mm) intervals when located in the same wall cavity.
- Splices shall be at least one stud cavity away from door or window openings.

Where a specified level of wind resistance is required, plank lap siding shall be attached to solid panel sheathing or framing members, appropriately spaced, with fastener types, lengths, and spacing described in Tables 2b and 9 of this report.

3.2.2 Hardiflex™ Siding (Hardipanel® Smooth)

Hardiflex™ siding is used as an exterior wall cladding. The siding has a smooth unsanded surface. Dimensions are as noted in Table 1 of this report. Fasteners are installed with a minimum $^3/_8$-inch (9.5 mm) edge distance and a minimum 2-inch (51 mm) clearance from corners. Joints are fastened at abutting sheet edges and optionally protected by polyvinyl chloride (PVC) joint treatment, lumber battens or sealant.

Where a specified level of wind resistance or shear resistance is required, the Hardiflex™ panel is attached to framing members, appropriately spaced, with fastener types, lengths, and spacing described in Table 2a and Table 3 of this report.

3.2.3 Hardipanel® Siding (Cemplank® Siding)

Hardipanel® siding is available in various surface textures including smooth. Dimensions are noted in Table 1 of this report. Fasteners are installed with a minimum $^3/_8$-inch (9.5 mm) edge distance and a minimum 2-inch (51 mm) clearance from corners. Joints are fastened at abutting sheet edges and optionally covered by polyvinyl chloride (PVC) joint treatment, lumber battens or sealant.

Where a specified level of wind resistance or shear resistance is required, the Hardipanel® siding is attached to framing members, appropriately spaced, with fastener types, lengths, and spacing described in Table 2a and 3 of this report.

3.2.4 Harditex® Baseboard

Harditex® baseboard is for exterior applications to walls and soffits. Dimensions are noted in Table 1 of this report. Harditex® baseboard has a smooth finish and is available with either tapered or trough edges on the two long sides for joint treatment or all square edges. Harditex® baseboard is supplied either sealed or unsealed for the subsequent application of a primer or sealer by the end user as a component in a direct-applied exterior coating or finish system. Joints shall be sealed with a sealant or bedding compound, including any required joint reinforcing mesh or tape, specified by the coating manufacturer. Other installation details are in accordance with Section 3.2.2 of this report. Harditex® baseboard has been evaluated for water-resistive qualities but its use as an alternative to a weather-resistive barrier is outside the scope of this report, see Section 7.4 of this report.

Where a specified level of wind resistance or shear resistance is required, the Harditex® baseboard is attached to framing members, appropriately spaced, with fastener types, lengths, and spacing described in Table 2a or 3 of this report.

3.2.5 Hardisoffit® Board (Cemsoffit® Board)

Hardisoffit® board is for use as exterior vented or unvented soffits. Hardisoffit® board is available with either a woodgrain texture or a smooth unsanded surface. Vented Hardisoffit® provides 5 square inches of net free ventilation per lineal foot of soffit. Dimensions are noted in Table 1 of this report. All Hardisoffit® board edges are supported by framing with fasteners installed with a minimum $^3/_8$-inch (9.5 mm) edge distance and minimum 2-inch (51 mm) clearance from corners. Hardisoffit® boards are attached to framing members with fastener types, lengths, and spacings described in Table 2a and 3 of this report.

3.2.6 Hardishingle™ Cladding (individual shingles)

Hardishingle™ cladding shall be installed over solid wall sheathing which complies with the applicable code. Dimensions are as noted in Table 1 of this report. The wall sheathing shall be protected by a weather-resistive barrier which complies with the applicable code.

When Hardishingle™ cladding is installed over minimum $^{15}/_{32}$-inch (11.9 mm) thick plywood complying with the applicable code, with two corrosion resistant roofing nails [0.121-inch (3.1 mm) shank diameter by 0.371-inch (9.4 mm) head diameter by $1^1/_4$-inch (32 mm) long] spaced a maximum of 1 inch (25.4 mm) from each edge and the nails positioned to be covered 1 inch (25.4 mm) nominally by the succeeding course, the maximum allowable wind loads, building heights, and exposure categories for the systems installed with 8-, 7-, and 6-inch (203, 178, and 152 mm) weather exposures, shall be as indicated in Table 6A, 6B, and 6C of this report. Nails shall secure siding but shall not be overdriven.

When Hardishingle™ cladding is installed over minimum $^7/_{16}$-inch (11.1 mm) thick Oriented Strand Board (OSB), complying with the applicable code, with two corrosion resistant siding nails [0.091-inch (2.3 mm) shank diameter x 0.221- inch (5.5 mm) head diameter by $1^1/_2$-inch (38 mm) long] spaced a maximum of 1 inch (25.4 mm) from each edge and the nails positioned to be covered 1 inch (25.4 mm) nominally by the succeeding course, the maximum allowable wind loads, building heights, and exposure categories for the systems installed with 8-, 7-, and 6-inch (203, 178, and 152 mm) weather exposures, shall be as indicated in Table 7A, 7B, and 7C of this report. Nails shall secure siding but shall not be overdriven.

When Hardishingle™ cladding is installed over minimum $^7/_{16}$-inch (11.1 mm) thick Oriented Strand Board (OSB), complying with the applicable code, with three corrosion resistant siding nails [0.091-inch (2.3 mm) shank diameter x 0.221- inch (5.5 mm) head diameter by $1^1/_2$-inch (38 mm) long] for 12-inch (305 mm) wide shingles and two corrosion resistant siding nails for 6- and 8-inch (152 mm and 203 mm) wide shingles, the maximum allowable wind loads, building heights, and exposure categories for the systems installed with 8-, 7-, and 6-inch (203, 178, and 152 mm) weather exposures, shall be as indicated in Table 8A, 8B, and 8C of this report. One siding nail shall be spaced a maximum of 1 inch (25.4 mm) from each edge on the panel, with the third siding nail installed midspan of the 12-inch (305 mm) wide shingles. All nails shall be covered 1 inch (25.4 mm) nominally by the succeeding course. Nails shall secure siding but shall not be overdriven.

3.2.7 Hardishingle™ Panels

Hardishingle™ panels have a woodgrain texture and are available in three configurations: half-round©, staggered-edge©, and square-edge©. Dimensions are as noted in Table 1 of this report. The siding is applied horizontally to braced wall framing complying with the applicable code commencing from the bottom course of a wall. Install Hardishingle™ panels with joints in moderate contact. Due to the overlapping of the panels, joint sealant is not required. Fasteners are a minimum 0.083-inch (2.1 mm) shank x 0.187-inch (4.7 mm) HD by $1^1/_2$-inch (33 mm) long corrosion-resistant siding nail. For application to open braced framing, vertical joints butt over studs.

Where a specified level of wind resistance is required, Hardishingle™ panel sidings are attached to framing members appropriately spaced or to solid wall sheathing, with fastener types, lengths, and spacing described in Table 2 of this report.

Secure a $^1/_4$-inch (6.4 mm) thick lath strip and a minimum $9^1/_4$-inch (235 mm) wide Hardiplank® lap siding starter course. Trim the first panel so the end aligns with the furthest stud. Allow trimmed panel $^1/_8$ inch (3.2 mm) from the trim board for caulk and secure above keyways [approximately 8 inches (203 mm) clearance from butt edge of panel] on 16- inch (406 mm) or 24-inch (310 mm) centers [$13^3/_4$-inch (349 mm) centers maximum for application only to minimum $^7/_{16}$- inch (11.1 mm) thick APA rated Oriented Strand Board sheathing]. Work across the wall allowing $^1/_8$-inch (3.2 mm) gap from trim.

Start the second course, and every following even number course (i.e. fourth, sixth) by moving the equivalent of one full stud cavity from the straight edge end (the left side). Save this piece for the other end of the wall. Secure the beginning panel leaving $^1/_8$-inch (3.2 mm) clearance from the trim board for caulking. Position nails to penetrate through the previous course and into the framing members or Oriented Strand Board.

When a course is broken by a window or doorway, continue the application as if the wall was complete. Trimming for the opening and using the resulting piece may throw off the spacing above the break.

3.2.8 Hardipanel® Shiplap Panel Siding

Hardipanel® Shiplap panel siding is used as an exterior wall cladding. The siding is available in various surface textures including smooth. Dimensions are noted in Table 1 of this report. Fasteners are installed with a minimum $^3/_8$-inch (9.5 mm) edge distance and a minimum 2-inch (51 mm) clearance from corners.

Where a specified level of wind resistance or shear resistance is required, the Shiplap panel siding is attached to framing members, appropriately spaced, with fastener types, lengths, and spacing described in Table 2a and 3 of this report.

3.3 LINING BOARD AND UNDERLAYMENT

Titan® panel, Hardibacker® and Hardibacker 500® (ceramic tile backerboards), and Hardibacker® underlayment are used as wet or dry area lining/underlayment substrates applied to the interior of buildings. Titan®-FR (tapered-edge) panel is only intended for dry interior wall and ceiling applications.

3.3.1 Titan® Panel

Titan® panel is only intended for interior walls and ceilings including shower and bath areas. Subsequent finishing using paint, wallpaper or tile is required as indicated in Sections 3.3.1.1 and 3.3.1.2 of this report. The panel has a smooth finish with tapered edges on the two long dimensions for joint treatment. Dimensions are noted in Table 1 of this report. Maximum shear values are noted in Table 3 of this report.

3.3.1.1 Paint or Wallpaper Finish: Titan® panel is installed with the long dimension either vertical or horizontal to nominal 2 x 4 wood framing members or minimum No. 20 gage (0.0329-inch) steel framing members, spaced a maximum of 24 inches (610 mm) on center with end joints staggered from adjacent courses in both vertical and horizontal applications. To fasten to wood framing members, minimum $1^{3}/_{8}$-inch (35 mm) long gypsum board nails or minimum 1-inch (25.4 mm) long No. 8 x 0.323-inch (8.2 mm) HD self-drilling, corrosion-resistant, ribbed buglehead screws are used and spaced a maximum of 8 inches (203 mm) on center at all supports. To fasten to metal framing members, minimum 1-inch (25.4 mm) long No. 8 x 0.323-inch (8.2 mm) HD self-drilling, corrosion-resistant, ribbed buglehead screws are used and spaced a maximum of 6 inches (152 mm) on center at all supports. Fasteners shall be located at least $^{3}/_{8}$- inch (9.5 mm) from board edges, and 2 inches (51 mm), minimum, from lining board corners. Panels are placed with a minimum $^{1}/_{4}$-inch (6.4 mm) clearance from the floor surface. Metal or PVC corner angles are attached with the above described nails or screws placed approximately 12 inches (305 mm) on center.

A flush-joint procedure is permitted on Titan® panels. Gypsum board joint compounds, complying with ASTM C 474 and C475, shall be troweled into the joints. Paper joint tape is embedded into the wet joint compound and allowed to dry thoroughly. A second coat of joint compound, approximately 8-inches (203 mm) wide, is then applied across the joint and allowed to dry. A third coat of topping compound, 10-inches (254 mm) wide, is applied across the joint. Topping compound shall also be applied over all fastener heads in intermediate locations.

Internal corners are finished by filling with joint compound, working the joint tape into the joint, and applying a second coat of joint compound. A third coat of topping compound is applied over the area.

External corners are treated by filling the joint with joint compound and allowing it to thoroughly dry. Corrosion-resistant metal or PVC corner angles are then fastened to the corner, followed by a second coat of joint compound. When the second coat is completely dry, a third coat of topping compound is applied over the area. Topping compound is also applied over all fastener heads in intermediate locations.

3.3.1.2 Tile Finish: Titan® panel is installed with the long dimension either vertical or horizontal to nominal 2 x 4 wood-framing members or minimum No. 20 gage (0.0329- inch, 0.84 mm) metal framing members spaced 24 inches (610 mm) on center, maximum, with end joints staggered from adjacent courses in both vertical and horizontal applications. To comply with ANSI A108.11, framing members are spaced 16 inches (406 mm) on center, maximum. To fasten to wood framing members, minimum $1^{1}/_{4}$-inch (32 mm) long, corrosion-resistant (galvanized or stainless steel) roofing nails, or $1^{1}/_{4}$-inch (32 mm) long No. 8 x 0.375-inch (9.5 mm) HD self-drilling, corrosion-resistant, ribbed waferhead screws are used and spaced a maximum of 6 inches (152 mm) on center at all supports. To fasten to metal framing members, minimum $1^{1}/_{4}$-inch (32 mm) long No. 8 x 0.375-inch (9.5 mm) HD self-drilling, corrosion-resistant, ribbed waferhead screws are used and spaced a maximum of 6 inches (152 mm) on center at all supports. Fasteners are located at least $^{3}/_{8}$ inch (9.5 mm) from board edges, and 2 inches (51 mm), minimum, from board corners. Corner gaps are filled with a flexible, silicone sealant compatible with fiber-cement. Panels are placed with a minimum $^{1}/_{4}$-inch (6.4 mm) clearance from the floor surface. This gap shall be free of adhesive and grout and filled with a flexible sealant. On large tiled areas, movement joints are provided in the walls in accordance with ANSI A108, Section AN-3.7.

A flush-joint procedure is permitted on Titan® panel. The same type of tile adhesive or mortar used to set the tiles shall be troweled into joints as a joint compound. Joints shall be reinforced with 2-inch (51 mm) wide, high-strength, coated, alkali-resistant, glass fiber reinforcing joint tape embedded into the wet tile adhesive and allowed to dry thoroughly.

Internal corners are finished by filling with tile adhesive, working the reinforcing joint tape into the joint, and applying a second coat of tile adhesive and allowing it to dry thoroughly.

External corners are treated by filling the joint with tile adhesive and allowing it to dry thoroughly. Corrosion-resistant metal or PVC corner angles are then fastened in place, followed by a second coat of tile adhesive. Tile adhesive is also applied over all fastener heads in intermediate locations.

Wall tiles complying with ANSI A137.1 are attached to the board with flexible Type I, mastic adhesives complying with ANSI A136.1, or acrylic or latex-modified thinset mortars complying with ANSI A118.4, in accordance with ANSI A108. The same adhesives are permitted to fill and level the sheet joints.

3.3.2 Hardibacker® and Hardibacker 500® (Ceramic Tile Backerboard)

Hardibacker® and Hardibacker 500® ceramic tile backerboards are only intended for interior walls and floors, including shower and bath areas (excluding the shower floor). Subsequent finishing with tile is required. The square-edge backerboards have a smooth-finished surface and square edges for closely butted joints. Dimensions are noted in **Table 1** of this report. Maximum shear values are noted in **Table 3** of this report.

3.3.2.1 Floors: When Hardibacker® or Hardibacker 500® backerboards are used on floors, the subfloor assembly shall consist of a minimum $^{5}/_{8}$-inch (15.9 mm) thick, Exterior Grade, Group 2 or 3 species plywood or equivalent thickness of subfloor and shall be designed such that the maximum deflection in a plane, including live and dead loads, is *L*/360 of the span, in accordance with the applicable code. Movement joints shall be provided where existing structural joints (building control joints) occur and where changes in direction occur such as in "L"-shaped rooms. For large tiled areas, movement joints are provided in accordance with ANSI A108, Section AN-3.7.

The subfloor is then covered with a minimum $^{3}/_{32}$-inch (2.4 mm) thick latex, or acrylic-modified thinset setting material. The backerboard is then installed in a staggered brick pattern at right angles to the subfloor and fastened before the setting material films over.

The backerboards are fastened with $1^{1}/_{4}$-inch (32 mm) long, corrosion-resistant (galvanized or stainless steel) roofing nails or minimum 1-inch (25.4 mm) long No. 8 by 0.323-inch (8.2 mm) HD self-drilling, corrosion-resistant, ribbed buglehead screws. To meet the requirements of ANSI A108.11, minimum $1^{1}/_{4}$-inch (32 mm) long No. 8 x 0.375-inch (9.5 mm) HD self-drilling, corrosion-resistant ribbed waferhead screws are used. Fasteners shall be located a maximum of 8 inches (203 mm) on center around the perimeter and in the field. Fasteners shall be located a minimum of $^{3}/_{8}$-inch (9.5 mm) and a maximum of $^{3}/_{4}$ inch (19.1 mm) from the backerboard edges, and 2 inches (51 mm) minimum, from underlayment corners. For latex or acrylic modified thinset mortars, the joints shall be reinforced with 2-inch (51 mm) wide, high-strength, coated, alkali-resistant, glass fiber reinforcing tape embedded into the wet mortar and allowed to dry thoroughly.

Floor tiles complying with ANSI A137.1 are attached to the board with flexible Type I mastic adhesives complying with ANSI A136.1, or acrylic or latex-modified thinset mortars complying with ANSI A118.4, in accordance with ANSI A108. The same adhesives are also used to fill and level the sheet joints.

3.3.2.2 Walls: Hardibacker® and Hardibacker 500® backerboards are installed with the long dimension either vertical or horizontal to nominal 2 x 4 wood framing members or minimum No. 20 gage (0.0329-inch, 0.84 mm) metal framing members spaced a maximum of 24 inches (610 mm) on center with end joints staggered from adjacent courses in both vertical and horizontal applications. To comply with ANSI A108.11, framing members shall be spaced a maximum of 16 inches (406 mm) on center. To fasten to wood framing members, minimum $1^1/_4$-inch (32 mm) long, corrosion-resistant (galvanized or stainless steel) roofing nails or $1^1/_4$-inch (32 mm) long No. 8 by 0.375-inch (9.5 mm) HD self-drilling, corrosion-resistant, ribbed waferhead screws are used and spaced a maximum of 8 inches (152 mm) on center at all supports. To fasten to metal framing members, minimum $1^1/_4$-inch (32 mm) long No. 8 by 0.375-inch (9.5 mm) HD self-drilling, corrosion-resistant ribbed waferhead screws are used and spaced a maximum of 8 inches (152 mm) on center at all supports. Fasteners are located at least $^3/_8$ inch (9.5 mm) from board edges and 2 inches (51 mm), minimum, from board corners. Corner gaps are filled with a silicone sealant compatible with fiber-cement underlayments. Underlayments are placed with a minimum $^1/_4$-inch (6.4 mm) clearance from the floor surfaces and other horizontal tile termination locations, such as above tub edges. This gap shall be free of adhesive and grout and filled with a flexible sealant. For large tiled areas, movement joints are provided in accordance with ANSI A108, Section AN-3.7.

Wall tiles complying with ANSI A137.1 are attached to the underlayment with flexible Type I mastic adhesives complying with ANSI A136.1, or acrylic or latex-modified thinset mortars complying with ANSI A118.4, in accordance with ANSI A108. The same adhesives are used to fill and level the sheet joints. Joints shall be reinforced with 2-inch (51 mm) wide, high-strength, coated, alkali-resistant, glass fiber reinforcing tape embedded into the wet mastic or modified thinset mortar and allowed to dry thoroughly.

3.3.3 Hardibacker® Underlayment (Ultraboard®)

Hardibacker® underlayment is only intended for interior floors including showers and bath areas (excluding the shower floor). Subsequent finishing with resilient floor covering or tile is required. The underlayment face has a smooth surface, an acrylic based seal coat and square edges for close-butted joints. The reverse side of the underlayment has lightly textured surface, is unsealed and has square edges. Dimensions are noted in Table 1 of this report.

The underlayment shall be installed over a structurally sound subfloor assembly designed to limit the maximum deflection in a plane, including live and dead loads, to *L*/360 of the span, in accordance with the applicable code.

When the underlayment is installed on existing floor construction, floor finishes and subflooring shall be repaired, removed and/or replaced as necessary to create a smooth and level surface. The ability of the existing floor structure and subfloor to support the additional loads of the underlayment and new floor finish shall be substantiated. Alterations shall comply with applicable codes.

The underlayment boards are laid in a staggered end joint pattern at right angles to the subflooring. Joints are offset $^1/_8$ inch (3.2 mm) from walls and cabinet bases and cut edges turned to the outside, wherever possible.

3.3.3.1 Resilient Flooring: With the smooth face up, the underlayment is placed over the prepared subflooring and fastened to support framing with either 3d, corrosion-resistant, ring shank nails or No. 18 gage (0.0475-inch) corrosion-resistant staples with a $^1/_4$-inch (6.4 mm) crown located a maximum of 3 inches (76 mm) on center around the perimeter and 6 inches (152 mm) on center in a random/staggered pattern in the field. Fasteners shall be located at least $^3/_8$ inch (9.5m) from underlayment edges and 2 inches (51 mm) minimum, from the underlayment corners. Fastener heads shall be flush with the surface. Fasteners shall be of sufficient length to penetrate at least 1-inch (25.4 mm) sound subflooring or framing.

To minimize the possibility of surface irregularities in the underlayment and fastener heads penetrating through the resilient flooring, the boards shall be installed flush and level. Height variations are treated by filling joints, gouges and low spots with a water-resistant, cementitious leveling compound recommended by the floor-covering manufacturer. After the leveling compound has dried, filled areas are sanded level to the surrounding subfloor.

Prior to the application of the resilient flooring, the prepared surfaces shall be free of dust, grease and other foreign material.

Finish floor coverings are installed in accordance with the flooring material manufacturer's published instructions, which shall include application procedures, compatible adhesives and recommended accessories.

3.3.3.2 Tile: With the smooth face up, follow the additional instructions described in Section 3.3.2.1 of this report.

3.3.4 Titan®-FR Panel Titan®-FR (tapered-edge) panel is only intended for dry interior wall and ceiling applications. The panel has a smooth finish with tapered edges on the two long dimensions for joint treatment. Dimensions are as noted in Table 1 of this report.

3.3.4.1 Paint or Wallpaper Finish: Titan®-FR tapered-edge panel is installed with the long dimension either vertical or horizontal to nominal 2 x 4 wood framing members or minimum No. 20 gage (0.0329-inch, 0.84 mm) steel framing members, spaced a maximum of 24 inches (610 mm) on center with end joints staggered from adjacent courses in both vertical and horizontal applications. To fasten to wood framing members, minimum $1^7/_8$-inch (47.6 mm) long gypsum board nails or minimum $1^1/_2$ inch (38 mm) long, Type W, gypsum board screws are used and spaced a maximum of 8 inches (203 mm) on center at all supports. To fasten to metal framing members, minimum 1 inch (25.4 mm) long, Type S or S-12, self-drilling gypsum board screws are used and spaced a maximum of 12 inches (305 mm) on center at all supports. Fasteners shall be located at least $^3/_8$ inch (9.5 mm) from board edges, and 2 inches (51 mm), minimum, from board corners. wall panels are placed with a minimum $^1/_4$-inch (6.4 mm) clearance from the floor surface. Metal or PVC corner angles are attached with the above described nails or screws placed approximately 12 inches (305 mm) on center.

A flush-joint procedure is permitted on Titan®-FR (tapered-edge) panels. Gypsum board joint compounds, complying with ASTM C 474 and C 475, shall be troweled into the joints. Paper joint tape or equivalent is embedded into the wet joint compound and allowed to dry thoroughly. A second coat of joint compound, approximately 8 inches (203 mm) wide, is then applied across the joint and allowed to dry. A third coat of topping compound, 10 inches (254 mm) wide, is applied across the joint. Topping compound shall also be applied over all fastener heads in intermediate locations.

Internal corners are finished by filling with joint compound, working the joint tape into the joint, and applying a second coat of joint compound. A third coat of topping compound is applied over the area.

External corners are treated by filling the joint with joint compound and allowing it to dry thoroughly. Corrosion-resistant metal or PVC corner angles are then fastened to the corner, followed by a second coat of joint compound. When the second coat is completely dry, a third coat of topping compound is applied over the area. Joint compound is also applied over all fastener heads in intermediate locations.

3.4 SUBFLOOR PANELS

Compressed sheet is used as subflooring over complying wood or metal floor joists spaced a maximum of 24 inches (610 mm) on center. The panels have a smooth unsanded surface. Cutouts for plumbing and electrical shall be oversized. Floor opening penetrations shall be protected in accordance with the applicable code. Dimensions are noted in Table 1 of this report.

Panels are installed over two or more spans, with the long dimension perpendicular to supports. The sheets are fastened to wood framing members by counterstriking minimum No. 10 x 0.350-inch (8.9 mm) HD wood screws spaced a maximum of 12 inches (305 mm) on center at all supports. The sheets are fastened to metal framing members by counterstriking minimum No. 9 by 0.350-inch (8.9 mm) HD self-drilling, corrosion-resistant ribbed buglehead screws spaced a maximum of 6 inches (152 mm) on center around the sheet perimeter and 12 inches (305 mm) on center at immediate joist locations. Fasteners shall be of sufficient length to penetrate at least 1inch (25.4 mm) into wood framing members or $^1/_4$ inch (6.4 mm) into metal framing members. Holes are drilled in compressed sheet with a masonry bit, allowing a 0.04-inch (1.02 mm) clearance over diameter of screw to be used. Fasteners are located a minimum of $^3/_8$ inch (9.5 mm) and a maximum of $^3/_4$ inch (19.1 mm) from sheet edges, and 2 inches (51 mm) minimum from sheet corners. Fastener heads are flush with the surface. Edges shall be blocked or the panels shall be covered with minimum $^1/_4$-inch (6.4 mm) thick underlayment or $^3/_4$-inch (19.1 mm) thick wood strip finish flooring.

As an alternative, sheets are field glued in conjunction with mechanical fastening with a structural adhesive (APA/HUD AFG-01) applied to joints. Framing members shall be free of surface moisture, dirt, cement and other foreign materials prior to application of the adhesive. Adhesives shall be applied in accordance with the adhesive manufacturer's instructions. The application rate shall be a $^1/_4$-inch (6.4 mm) diameter bead applied to each joist or blocking member, except two $^1/_4$-inch (6.4 mm) diameter beads are applied where sheets abut on a joist. Installation of the sheets shall be within the time limit designated by the adhesive manufacturer.

Where more than one sheet is used, an effective seal shall be provided between sheets. The bonded surfaces shall be clean and an approved structural adhesive (APA/HUD AGF-01) shall be used. Edges of the sheets to be joined shall be thoroughly cleaned and the dust removed. A layer of adhesive is "buttered" to the leading edge of the first installed sheet and the next sheet laid against it ensuring that an adequate film of adhesive is present. Forcing adhesive into the joint after the sheets have been fastened is not permitted. After the joint is filled, any excess adhesive shall be removed from the surface of the sheet.

Use as a diaphragm is outside the scope of this report.

Allowable loads are as follows:

ALLOWABLE UNIFORM LOAD AT DEFLECTION LIMIT = *L*/360 [1]

PRODUCT	JOIST SPACING	
	16 inches o.c.	24 inches o.c.
Compressed Sheet II (½ and 5/8-inch thick)	190 psf	105 psf
Compressed Sheet II (3/4-inch thick)	300 psf	145 psf

For SI: 1 inch = 25.4 mm, 1 psf = 47.88 Pa

1. *L* = length of span (inches)

3.5 FIRE-RESISTANCE RATED ASSEMBLIES

3.5.1 Assembly 1

The nonsymmetrical nonloadbearing, 1 hour, fire-resistance rated wall assembly consists of minimum $3^5/_8$-inch (92 mm) deep, No. 20 gage (0.0359-inch, 0.91 mm), steel "C" studs at 24 inches (610 mm) on center with corresponding top and bottom tracks. One layer of $^5/_8$-inch (15.9 mm) thick Type "X" gypsum board, 48 inches (1219 mm) wide, is applied vertically to the studs and secured with $1^1/_4$-inch (32 mm) long, Type S, gypsum board screws, spaced 8 inches (203 mm) on center at board edges and 12 inches (305 mm) on center at intermediate framing members. The $^5/_8$-inch (15.9 mm) thick gypsum board joints and screw heads require treatment consisting of joint compound followed by joint tape and a second layer of joint compound. The opposite face of the wall is covered with one layer of $^1/_2$-inch (12.7 mm) thick Hardirock® Max "C"™(Type "X") gypsum board, followed by one layer of either $^1/_4$-inch (6.4 mm) thick Titan® (tapered-edge), Hardibacker® (square-edge), or Harditex® board. Boards are applied vertically to framing members with vertical edges staggered 24 inches (610 mm). The $^1/_2$-inch (12.7 mm) thick Hardirock® Max "C"™ (Type "X") gypsum board is fastened to the framing members with $1^1/_4$-inch (32 mm) long, Type S, gypsum board screws spaced 24 inches (610 mm) on center. Titan®, Hardibacker® or Harditex® boards are fastened through the gypsum board to the framing members with minimum $1^5/_8$-inch (41 mm) long by minimum 0.323-inch (8.2 mm) HD or self-drilling, corrosion-resistant, ribbed buglehead or ribbed waferhead screws located a maximum of 8 inches (203 mm) on center. Board joints and fasteners require treatment similar to that described in Sections 3.3.1.1, 3.3.1.2, 3.3.2.2 and 3.2.4 of this report.

3.5.2 Assembly 2

The nonsymmetrical nonload bearing, 1-hour, fire-resistant rated wall assembly consists of minimum $3^5/_8$-inch (92 mm) deep, No. 25 gage (0.0209-inch, 0.53 mm), steel "C" studs at 16 inches (406 mm) on center with corresponding top and bottom tracks. One layer of $^5/_8$-inch (15.9 mm) thick Type "X" gypsum board, 48 inches (1219 mm) wide, is applied vertically to the studs and secured with minimum 1 inch (25.4 mm) long, Type S, gypsum board screws, spaced 8 inches (203 mm) on center at board edges and 12 inches (305 mm) on center at intermediate framing members. The $^5/_8$-inch (15.9 mm) thick Type "X" gypsum board joints and screw heads require treatment consisting of joint compound followed by joint tape and a second layer of joint compound. The stud cavities are insulated with minimum 3-inch (76 mm) thick, 3 pcf (48 kg/m^3), unfaced, friction-fit, mineral fiber insulation complying with ASTM C 665, Type I. The opposite face of the wall is covered with one layer of $^7/_{16}$-inch (11.1 mm) thick Hardibacker® (backerboard) or Titan® panel or Harditex® boards. The boards are applied vertically to framing

members with vertical edges staggered 16 inches (406 mm). Hardibacker®, Titan® or Harditex® boards are fastened through to the framing members with minimum 1-inch (25.4 mm) long No. 8 by 0.323-inch (8.2 mm) HD self-drilling, corrosion-resistant, ribbed buglehead (or equivalent) screws located a maximum of 6 inches (152 mm) on center. Board joints and fasteners require treatment similar to that described in Sections 3.3.1.1, 3.3.1.2 or 3.3.2.2 of this report, and using the glass fiber reinforcing tape.

3.5.3 Assembly 3

The nonsymmetrical limited loadbearing, 1 hour fire-resistant rated wall assembly consists of nominal 2 x 4 wood studs at 16 inches (406 mm) on center with two top plates and a single bottom plate. The lesser of 800 pounds per stud or 31 percent of full design load is permitted to be superimposed, provided structural consideration for axial, flexural and bearing perpendicular-to-grain stresses are resolved in accordance with Part III of the *National Design Specification*, 1997 edition, published by the American Forest & Paper Association. One layer of $^5/_8$-inch (15.9 mm) thick Type "X" gypsum board, 48 inches (1219 mm) wide, is applied vertically to the studs and secured with minimum $1^7/_8$-inch (22 mm) long cup-head gypsum board nails, spaced 7 inches (178 mm) on center at board edges and intermediate framing members. The $^5/_8$-inch (15.9 mm) thick Type "X" gypsum board joints and nail heads require treatment consisting of joint compound followed by joint tape and a second layer of joint compound. The stud cavities are insulated with minimum 3-inch (76 mm) thick, 3 pcf, unfaced, friction-fit, mineral fiber insulation complying with ASTM C 665, Type I. The opposite face of the wall is covered with one layer of $^7/_{16}$-inch (11.1 mm) thick Titan® panel or Hardibacker® backerboard. The fiber cement board is applied vertically to framing members with vertical edges staggered 16 inches (406 mm) from the gypsum board edges. Boards are fastened through to the framing members with minimum $1^1/_2$-inch (38 mm) long, corrosion-resistant roofing nails located a maximum of 6 inches (152 mm) on center. Board joints and fasteners require treatment similar to that described in Section 3.3.2.2 of this report. The side of the wall clad with fiber-cement board is covered with standard grade ceramic tile, nominal $^1/_4$-inch (6.4 mm) thick. Tiles, any expansion or control joints, and grout are installed in accordance with ANSI A108.4 when Type I organic adhesive is used, or ANSI A108.5 if dry set, acrylic-modified or latex-modified portland cement mortar is used.

3.5.4 Assembly 4

The nonsymmetrical loadbearing 1 hour fire-resistant rated wall assembly consists of nominal 2 x 4 wood studs at 24 inches (610 mm) on center with two top plates and a single bottom plate. Full design loads are permitted to be superimposed, provided structural consideration for axial flexural and bearing perpendicular-to-grain stresses are resolved in accordance with Part III of the *National Design Specification*, 1997 Edition, published by the American Forest & Paper Association. One layer of $^5/_8$-inch (15.9) thick Type "X" gypsum board, 48 inches (1219 mm) wide, is applied vertically to the studs and secured with minimum $1^3/_4$-inch (44 mm) long cup-head gypsum board nails, spaced 7 inches (178 mm) on center at board edges and intermediate framing members. The $^5/_8$-inch (15.9 mm) thick Type "X" gypsum board joints and nail heads require treatment consisting of joint compound followed by joint tape and a second layer of joint compound. The stud cavities are either insulated or uninsulated. The opposite face of the wall is covered with one layer of $^1/_2$-inch (12.7 mm) thick Type "X" water-resistant core gypsum sheathing and one layer of maximum 12-inch (305 mm) wide Hardiplank® lap siding lapped a minimum of $1^1/_4$ inches (32 mm). The $^1/_2$-inch (12.7 mm) thick Type "X" water-resistant core gypsum sheathing is applied vertically to framing members with vertical edges staggered 24 inches (610 mm) from the joints on the opposite side. The $^1/_2$-inch (12.7 mm) thick Type "X" water-resistant core gypsum sheathing is fastened to the framing members with $1^3/_4$-inch (44 mm) long roofing nails spaced 7 inches (178 mm) on center in the field and 4 inches (102 mm) on center along the perimeter of each board. An outer layer of $^5/_{16}$-inch (7.5 mm) thick, 12-inch (305 mm) wide Hardiplank® lap siding is applied over the $^1/_2$-inch (12.7 mm) thick Type "X" water-resistant core gypsum sheathing by attaching a $1^1/_2$-inch (38 mm) wide Hardiplank® starter strip attached through the gypsum sheathing into the bottom plate and 12-inch (305 mm) wide Hardiplank® lap siding applied horizontally with a minimum nominal $1^1/_4$-inch (32 mm) headlap and fastened with a single 6d corrosion resistant common nail driven through the lapped planks at each stud.

3.5.5 Assembly 5

The symmetrical nonload bearing, 1 hour, fire-resistant rated wall assembly consists of minimum $3^5/_8$-inch (92 mm) deep, No. 20 gage (0.0359 inch, 0.91 mm), steel "C" studs at 24 inches (610 mm) on center with corresponding top and bottom tracks. Both sides of the wall are covered with one layer of $^1/_2$-inch (12.7 mm) thick Hardirock® Max "C"™ (Type "X") gypsum board, followed by one layer of either $^1/_4$-inch (6.4 mm) thick Titan® panel, Hardibacker® backerboard, or Harditex® baseboards. Boards are applied either perpendicular (horizontally) or parallel (vertically) to framing members. Base layer and face layer board joints of both wall sides are offset by 24 inches (610 mm). The $^1/_2$-inch (12.7 mm) thick Hardirock® Max "C"™ (Type "X") gypsum board is fastened to the framing members with minimum 1-inch (25.4 mm) long, Type S, gypsum board screws spaced 24 inches (610 mm) on center. Titan®, Hardibacker® or Harditex® boards are fastened through the gypsum board to the framing members with minimum $1^5/_8$-inch (41 mm) long by minimum 0.323-inch (8.2 mm) HD self-drilling, corrosion-resistant, ribbed buglehead or ribbed waferhead screws located a maximum of 8 inches (203 mm) on center. Board joints and fasteners require finish treatment similar to that described in Sections 3.3.1.1, 3.3.1.2, 3.3.2.2, or 3.2.4 and of this report.

3.5.6 Assembly 6

The symmetrical nonload bearing, 1 hour, fire-resistant rated wall assembly consists of minimum $3^5/_8$-inch (92 mm) deep, No. 20 gage (0.0359 inch, 0.91 mm), steel "C" studs at 24 inches (610 mm) on center with corresponding top and bottom tracks. Both sides of the wall are covered with one layer of $^5/_8$-inch (15.9 mm) thick Titan®-FR panel. Boards are applied either perpendicular (horizontally) or parallel (vertically) to framing members. Panel joints are offset by 24 inches (610 mm). The $^5/_8$-inch (15.9 mm) thick Titan®-FR panel is fastened to the framing members with minimum 1 inch (25.4 mm) long, Type S, gypsum board screws spaced 12 inches (305 mm) on center. Board joints and fasteners require finish treatment similar to that described in Sections 3.3.1.1 or 3.3.1.2 of this report.

4.0 INSTALLATION

Installation shall comply with this report and a copy of this report shall be available at all times on the job site during installation. Additional details are in the applicable manufacturer's product information sheets issued December 1993. Where non-editorial differences occur between the manufacturer's product information sheets and this report, this report shall be null and void.

5.0 IDENTIFICATION

James Hardie Building Products, Inc., Hardiflex®, Hardipanel® Cempanel®, Hardisoffit® and Cemsoffit® boards; Harditex® baseboards; Titan®, Titan®-FR, Hardibacker®, Ultraboard® and Hardibacker 500® lining boards, backerboard and underlayment; Compressed Sheet subflooring; pallets of Hardiplank® and Cemplank® lap siding; and pallets of Hardishingle™ planks and panels shall bear a label identifying the manufacturer's name and telephone number, the product name, and the name of the quality control agency, Intertek Testing Services, Inc. (NER-QA219), and this ICC-ES Legacy report number (NER-405) for field identification.

6.0 EVIDENCE SUBMITTED

6.1 The following test reports issued by the Building Research Association of New Zealand (BRANZ) in accordance with ASTM E 72, Conducting Strength Test of Panels of Building Construction, Section 9, Transverse Load, and Section 14, Racking Load:

Report No.	Date	ASTM Standard Section
S100	June, 1984	9
S101	June, 1984	9
S102	June, 1984	9
S103	June, 1984	9
S104	June, 1984	9
S105	June, 1984	14
S106	June, 1984	14
S109	July, 1984	9
S112	August, 1984	14
S113	August, 1984	9
STR122	April, 1985	9
STR123	April, 1985	14
STR127	April, 1985	9
STR128	May, 1985	14
STR131	May, 1985	9
STR132	May, 1985	14

6.2 The following test reports issued by the Building Research Association of New Zealand (BRANZ) in accordance with the weatherability test procedures noted:

Report No.	Date	Procedure
MTR658	November, 1983	U.B.C. Standard 32-12
MTR662	November, 1983	Freeze/Thaw
MTR709	June, 1984	Percolation Test
MTR723	May, 1984	ASTM G 26, D 2616, FD-714
MTR778	June, 1985	NSZ3204; Wet/Dry Cycling
MTR787	June, 1985	U.B.C. Standard 47-17
T176	June, 1984	ASTM E 96
T177	June, 1984	ASTM E 96

6.3 Quality Assurance Manual for James Hardie Building Products, Inc., signed by Rich Klein, James Hardie Building Products, Inc. 2/18/02 and Kathy Bishop, Intertek Testing Services, Inc. 2/20/02.

6.4 Manufacturer's descriptive literature.

6.5 United States Testing Company, Test Report No. LA 50049-1, dated February 7, 1985,containing testing in accordance with ASTM E 84, *Test of Surface Burning Characteristic of Building Materials.*

6.6 Ramtech Laboratories, Inc., Test Report No. 8047-87, dated April 6, 1987, containing testing in accordance with ASTM E 72, *Conducting Strength Tests of Panels for Building Construction*— Section 9, Transverse Load; and Section 14, Racking Load.

6.7 Structural Calculations for "Determination of Wind Speed" by Ronald I. Ogawa, P.E., in accordance with Section 1205 of the 1988 *Standard Building Code*©.

6.8 The following test reports were issued by Inspection Concepts for "Transverse Load Tests" of panels:

Report No.	Date
IC-1021-88	May, 1988
IC-1022-88	May, 1988
IC-1042-88	February, 1989
IC-1054-89	September, 1989
IC-1055-89	September, 1989
IC-1121A-91	March 20, 1991
IC-1121B-91	March 20, 1991
IC-1201-92	January 22, 1993
IC-1203-92	January 22, 1993
IC-1228-93	July 2, 1993
IC-1270-94	April 20, 1994
IC-1271-94	April 20, 1994

6.9 The following test reports were issued by Inspection Concepts for "Racking Tests" of panels:

Report No.	Date
IC-1013-88	January, 1988
IC-1014-88	January, 1988
IC-1030-88	September, 1988
IC-1032-88	September, 1988
IC-1037-88	November, 1988
IC-1038-88	November, 1988
IC-1057-89	September, 1989
IC-1062-89	November ,1989
IC-1100-90	October 30, 1990
IC-1107-91	January 5, 1991
IC-1108-91	January 6, 1991
IC-1109-91	January 8, 1991
IC-1110-91	January 8, 1991
IC-1120A-91	March 20, 1991
IC-1120B-91	March 20, 1991
IC-1120C-91	March 20, 1991
IC-1120D-91	March 20, 1991
IC-1202-92	January 22, 1993
IC-1202-92	January 22, 1993
IC-1237-93	August 5, 1993
IC-1273-94	April 20, 1994
IC-1274-94	April 29, 1994

6.10 The following test reports were issued by Inspection Concepts for "Transverse Load Tests" of planks:

Report No.	Date
IC-1020-88	May, 1988
IC-1011-88	January, 1988
IC-1034-88	October, 1988
IC-1035-88	October, 1988

6.11 The following test reports were issued by Southwest Research Institute for "1 hour Fire-resistant Assemblies":

Report No.	Date
01-2602-802	March, 1989
01-2602-803	March, 1989

6.12 Structural calculations verifying design values for Table 2 and 3 of this report, prepared by Inspection Concepts dated March 7, 1990, signed and sealed by Ronald I. Ogawa, P.E.

6.13 Inspection Concepts, Test Report No. IC-1093A-90, dated October 18, 1990, in accordance with ASTM E 136.

6.14 Smith-Emery Company, Test Report No. L-87-1732, dated October 8, 1987, in accordance with ANSI A118.9.

6.15 United States Testing Company, Inc., Test Report No. 176842, dated September 14, 1990, in accordance with ASTM D 1037.

6.16 Truesdail Laboratories, Inc., Test Report No. 30240-1, dated March 1, 1989, revised March 28, 1991, in accordance with ASTM G 21.

6.17 Truesdail Laboratories, Inc., Test Report No. 30240-2, dated March 1, 1989, revised March 28, 1991, in accordance with ASTM G 22.

6.18 Inspection Concepts, Report No. IC-1131-91, dated May 8, 1991, in accordance with ASTM C 947, C666 Procedure B, and ANSI 136-1.

6.19 ETL Testing Laboratories, Report No. 497742, dated March 5, 1990, in accordance with ASTM E 84.

6.20 Inspection Concepts, Report No. IC-1039-89, dated January 6, 1989, revised May 11, 1990, containing comparative fastener pullout and pull-through testing results.

6.21 James Hardie Building Products, Inc. product information sheets issued October 1991.

6.22 Structural calculations verifying design values for Table 2 and 3 of this report, prepared by Inspection Concepts dated October 20, 1993, signed by Ronald I. Ogawa, P.E.

6.23 Letter correcting structural calculations for BRANZ Reports S106 and STR128 prepared by Inspection Concepts dated February 14, 1993, signed and sealed by Ronald I. Ogawa, P.E.

6.24 Letter reviewing "Racking Tests" and "Transverse Load Tests" for Group III wood species verification for Table 2 and 3 of this report, prepared by Inspection Concepts dated October 14, 1993, signed and sealed by Ronald I. Ogawa, P.E.

6.25 The following test reports were issued by Omega Point Laboratories for "1 hour Fire-resistant Assemblies":

Report No.	Date
11710-92783	February 13,1992
11710-92851	September 9,1992
11710-98414	May 1, 1995
11710-105198	August 2, 1999
11710-105199	August 3, 1999

6.26 Ramtech Laboratories, Inc., Test Report No. 8108A-87, dated May 20, 1987, in accordance with ASTM C 725 for flexural strength tests conducted on $^1/_4$-inch and $^3/_4$-inch thick compressed sheet panels.

6.27 Ramtech Laboratories, Inc., Test Report No. 8108B-87, dated May 26, 1987, in accordance with ASTM E 72, Section 18, concentrated load on $^1/_4$--inch and $^3/_4$-inch thick compressed sheet panels.

6.28 Ramtech Laboratories, Inc., Test Report No. 8108C-87, dated June 24, 1987, in accordance with ASTM E 72, Section 9, transverse load on $^1/_4$-inch and $^3/_4$-inch thick compressed sheet panels.

6.29 Inspection Concepts, Test Report No. IC-1257-94, dated January 13, 1994, in accordance with ASTM E 331 for water penetration of $^1/_4$-inch thick Hardi-panel® vertical siding.

6.30 Inspection Concepts, Test Report No. IC-1243-93, dated August 26, 1993, in accordance with ASTM E 228 for linear-thermal expansion of $^1/_4$-inch thick James Hardie fiber cement products.

6.31 Ramtech Laboratories, Inc., Laboratory No. 9778-93, IC-1225-93, dated June 4, 1993,. The Hardibacker board was tested in accordance with ASTM C 177 *Test for Steady-State Thermal Transmission Properties by Means of the Guarded Hot Plate*. The results are listed in Table 4 of this report.

6.32 Ramtech Laboratories, Inc., Test Report No. IC-1230-93, Laboratory No. 9778-93, dated June 1993. The Hardibacker® board materials were tested in accordance with ASTM E 96-90 to determine the water vapor transmission properties. The average permeance (perms) of the panels are shown in Table 5 of this report.

6.33 Ramtech Laboratories, Inc. Laboratory No. 10367A-95/1363, dated September 18, 1995. The 7 $^1/_4$-inch and 9 $^1/_4$-inch wide Hardiplank® lap sidings were tested in accordance with ASTM E 330 Transverse Load Test. The panels were installed on nominal 2 x 4 wood structural members spaced 16 inches on center (o.c.).

6.34 Structural Calculations verifying design values for Table 3 of this report, prepared by Inspection Concepts dated October 6, 1995, signed by Ronald I. Ogawa, P.E.

6.35 Wind analysis and calculations for Hardishingle and Hardislate roofing and Hardie® Shingleside® cladding installed with 8-, 7-, and 6-inch weather exposures. Analysis and calculations conducted by Ronald I. Ogawa, P.E. dated March 28, 1997; March 31, 1997; and April 2, 1997.

6.36 Structural calculations to determine design wind load on 8.25 Hardiplank®, dated October 24, 1996, signed and sealed by Ronald I. Ogawa, P.E. of Inspection Concepts Inc..

6.37 Structural calculations to determine design values for Table 2a, 2b, and 3 of this report, prepared by Inspection Concepts dated July 16, 1997, July 19, 1997, and August 19, 1997, signed and sealed by Ronald I. Ogawa, P.E.

6.38 Ramtech Laboratories, Inc., Report Lab. No. 10868-97/1475, dated June 26, 1997. The report contains results of testing in accordance with ASTM E 72 and ASTM E 330 on $^{5}/_{16}$-inch thick Hardipanel.

6.39 Ramtech Laboratories, Inc., Report Lab. No. 10869-97/1482, dated July 14, 1997 containing results of transverse load testing in accordance with ASTM E 72 on 9 $^{1}/_{4}$-inch wide Hardiplank® lap siding.

6.40 Applied Research Laboratories, Lab No. 29278-UD1, dated September 1, 1994, containing reports of tensile pull-out testing of fasteners.

6.41 Structural calculations to determine the allowable fastener spacing based on a wind speed of 110 mph, Exposure Category C, prepared by Inspection Concepts, dated November 2, 1994, signed and sealed by Ronald I. Ogawa, P.E.

6.42 Ramtech Laboratories, Inc., Laboratory Number 10794-97/1458, dated March 13, 1997, containing results of an Uplift Resistance Test of 18-inch long by 12-inch wide by $^{1}/_{4}$-inch thick Hardishingle™ roofing installed on $^{15}/_{32}$-inch thick, 4 ply, 3 layer CDX plywood.

6.43 Ramtech Laboratories, Inc., Laboratory Number 10794-97/1460, dated March 13, 1997, containing results of an Uplift Resistance Test of 18-inch long by 12-inch wide by $^{1}/_{4}$-inch thick Hardie® Shingleside® as siding roofing installed on $^{7}/_{16}$-inch thick Oriented Strand Board utilizing 2 siding nails per 12-inch wide panel.

6.44 Ramtech Laboratories, Inc., Laboratory Number 10794-97/1464, dated March 13, 1997, containing results of an Uplift Resistance Test of 18-inch long by 12-inch wide by $^{1}/_{4}$-inch thick Hardie® Shingleside® as siding roofing installed on $^{7}/_{16}$-inch thick Oriented Strand Board utilizing 3 siding nails per 12-inch wide panel.

6.45 Ramtech Laboratories, Inc., Laboratory Number 11149-98/1554, dated October 7, 1998, containing results of an ASTM E 330 Transverse Load Test of 6 $^{1}/_{4}$-inch wide Hardiplank® siding installed on 20-ga. metal framing members spaced at 16-inch and 24-inch centers and fastened with ET & F pin fasteners through the lap to each stud.

6.46 Ramtech Laboratories, Inc., Laboratory Number 11149-98/1554A, dated October 7, 1998, containing results of an ASTM E 330 Transverse Load Test of 12-inch wide Hardiplank® siding installed on 20-ga. metal framing members spaced at 16-inch and 24-inch centers and fastened with ET & F pin fasteners through the lap to each stud.

6.47 Ramtech Laboratories, Inc., Laboratory Number 11149-98/1554B, dated October 7, 1998, containing results of an ASTM E 330 Transverse Load Test of 8 $^{1}/_{4}$-inch wide Hardiplank® siding installed on 20-ga. metal framing members spaced at 16-inch and 24-inch centers and fastened with ET & F pin fasteners blind nailed to each stud.

6.48 Ramtech Laboratories, Inc., Laboratory Number 11284-99/1580, dated April 15, 1999, containing results of an ASTM E 72 Racking Shear Test of $^{5}/_{16}$-inch thick x 48-inch wide x 96-inch long Hardipanel® siding installed on 20-ga. metal framing members spaced at 16-inch and 24-inch centers and fastened with ET & F pin fasteners spaced at 4 inches o.c. perimeter and 8 inches o.c. intermediate framing members.

6.49 Ramtech Laboratories, Inc., Laboratory Number 11149-98/1554D, dated September 14, 1998, containing results of an ASTM E 330 Transverse Load Test of $^{5}/_{16}$-inch thick x 48-inch wide x 96- inch long Hardipanel® siding installed on 20-ga. metal framing members spaced at 16-inch and 24-inch centers and fastened with ET & F pin fasteners spaced at 4 inches o.c. perimeter and 8 inches o.c. intermediate framing members.

6.50 Wind analysis and calculations for Hardipanel® panels for exposure categories B, C, and D. Analysis and calculations signed and sealed by Ronald I. Ogawa, P.E., dated March 26, 2000.

6.51 Ramtech Laboratories, Inc., Laboratory Number 11552/1636, dated April 20, 2000, containing results of an ASTM E 330 Uplift Resistance Test of $^{1}/_{4}$-inch thick x 24-inch wide vented Hardisoffit® panel installed on nominal 2 x 4 framing members spaced at 24 inch centers and fastened with 1 $^{1}/_{4}$-inch long x 0.083 inch shank x 0.187 inch HD nails spaced at 8 inches o.c. perimeter and intermediate framing members.

6.52 Wind analysis and calculations for 24-inch wide vented Hardisoffit® panel for exposure categories B, C, and D. Analysis and calculations signed and sealed by Ronald I. Ogawa, P.E., dated May 4, 2000.

6.53 Ramtech Laboratories, Inc., Laboratory Number 11436-99/1602, dated October 29, 1999, containing results of an ASTM E 330 Transverse Load Test of $^{1}/_{4}$-inch thick x 19-inch long x 48-inch wide Heritage™ (half round) panel siding installed on $^{7}/_{16}$-inch thick APA rated Oriented Strand Board sheathing only with 1 $^{1}/_{4}$-inch long x 0.083-inch shank x 0.187-inch HD nails spaced at 13 $^{3}/_{4}$-inch o.c.

6.54 Ramtech Laboratories, Inc., Laboratory Number 11436-99/1603, dated October 27, 1999, containing results of an ASTM E 330 Transverse Load Test of $^{1}/_{4}$-inch thick x 19-inch long x 48- inch wide Heritage™ (half round) panel siding installed on nominal 2 x 4 framing members spaced at 16-inch centers and fastened with 1 $^{1}/_{4}$-inch long x 0.083-inch shank x 0.187-inch HD nails to each framing member.

6.55 Ramtech Laboratories, Inc., Laboratory Number 11436-99/1604, dated October 28, 1999, containing results of an ASTM E 330 Transverse Load Test of $^1/_4$-inch thick x 19-inch long x 48- inch wide Heritage™ (half round) panel siding installed on nominal 2 x 4 framing members spaced at 24-inch centers and fastened with $1^1/_4$-inch long x 0.083-inch shank x 0.187-inch HD nails to each framing member.

6.56 Letter justifying horizontal application of panels in accordance with **Table 3** of this report, based on Table 23-II-I-1 of the *1997 Uniform Building Code*™ and similar tables in the BOCA® *National Building Code*/1999 and 1999 *Standard Building Code*®, prepared by Inspection Concepts Inc., dated October 20, 1999, and signed and sealed by Ronald I. Ogawa, P.E.

6.57 Wind analysis and calculations for Hardiplank® lap siding installed with ET & F pin fasteners for exposure categories B, C, and D. Analysis and calculations signed and sealed by Ronald I. Ogawa, P.E., dated December 14, 1998.

6.58 Wind analysis and calculations for Hardiplank® lap siding based on various test reports of installations with nail and screw fasteners. Analysis and calculations signed and sealed by Ronald I. Ogawa, P.E., dated July 7, 1998.

6.59 Underwriters Laboratories Inc. letter, dated May 29, 1997, recognizing James Hardie Gypsum's $^1/_4$-inch thick Hardirock® Max "C"™ gypsum board as an alternative to Super Fire X gypsum board.

6.60 Underwriters Laboratories Inc. letter, dated February 23, 2000, recognizing James Hardie® Gypsum's $^1/_4$-inch thick Hardirock® Max "C"™ gypsum board as an alternative to Super Fire X gypsum board.

6.61 Underwriters Laboratories, Inc., File R8701, Project 96NK16606, dated December 19, 1996, containing results of ANSI/UL 263 (ASTM E 119, NFPA 251), *Fire Tests of Building Construction and Materials*, for $^1/_4$-inch thick x 8 feet long x 4 feet wide gypsum board installed on steel columns of 25 MSG steel studs spaced at 12- inch centers and fastened with 3-inch long Type S self-drilling, self-tapping board screws spaced at 12-inch centers in a UL G512 assembly.

6.62 Underwriters Laboratories, Inc., File R8701, Project 96NK35820, dated July 23, 1997, containing results of ANSI/UL 263 (ASTM E 119, NFPA 251), *Fire Tests of Building Construction and Materials*, for $^5/_8$-inch thick x 144-inch long x 48-inch wide gypsum board installed in a UL X515 floor-ceiling assembly.

6.63 Wind analysis and calculations for Shingleside® Heritage™ panels for exposure categories B, C, and D. Analysis and calculations signed and sealed by Ronald I. Ogawa, P.E., dated December 3, 1999.

6.64 Ramtech Laboratories, Inc., Laboratory Number 11436-99/1612, dated December 20, 1999, containing results of an ASTM E 72 Racking Shear Test of $^5/_{16}$-inch thick x 48-inch wide x 96- inch long Hardipanel® Shiplap siding installed on nominal 2 x 4 wood framing members spaced at 16-inch centers and fastened with 0.092-inch shank by 0.225-inch HD by 2-inch long nails spaced at 3 inches o.c. perimeter and 8 inches o.c. intermediate framing members.

6.65 Ramtech Laboratories, Inc., Laboratory Number 11436-99/1616, dated December 27, 1999, containing results of an ASTM E 72 Racking Shear Test of $^5/_{16}$-inch thick x 48-inch wide x 96- inch long Hardipanel® Shiplap siding installed on nominal 2 x 4 wood framing members spaced at 16-inch centers and fastened with 0.092-inch shank by 0.225 inch HD by 2-inch long nails spaced at 8 inches o.c. perimeter and 8 inches o.c. intermediate framing members.

6.66 Wind analysis and calculations of Ramtech Laboratories, Inc., Test Reports Laboratory Number 11436-99/1612 and 11436/1616, prepared by Inspection Concepts dated January 14, 2000, signed and sealed by Ronald I. Ogawa, P.E.

6.67 Wind analysis and calculations for Hardipanel® installed on steel studs spaced 16 and 24 inches o.c. Analysis and calculations signed and sealed by Ronald I. Ogawa, P.E., dated June 15, 1999.

6.68 Ramtech Laboratories, Inc., Laboratory Number 11436-99/1619, dated January 19, 2000, containing results of a Uniform Negative Transverse Load Test of $^5/_{16}$-inch thick x 48-inch wide x 96-inch long Hardipanel® Shiplap Panel installed on nominal 2 x 4 wood framing members spaced at 16-inch centers and fastened with 0.092-inch shank by 0.225-inch HD by 2-inch long ring shank nails spaced at 3 inches and 8 inches o.c. perimeter and 8 inches o.c. field.

6.69 Wind analysis and calculations of Ramtech Laboratories, Inc., Test Report Laboratory Number 11436-99/1619, prepared by Inspection Concepts dated February 4, 2000, signed and sealed by Ronald I. Ogawa, P.E.

6.70 Ramtech Laboratories, Inc., Laboratory Number 11443/1613, dated February 10, 2000, containing results of testing, in accordance with ASTM C 36, of $^5/_8$-inch thick x 48-inch wide x 120-inch long Titan®-FR panel consisting of $^1/_4$-inch thick Hardirock® Max "C"™ gypsum board and $^3/_{32}$-inch thick Hardie® fiber-cement board adhered with PVA adhesive.

6.71 Ramtech Laboratories, Inc., Laboratory Number 11443/1613, dated March 25, 2000, revision to report to additionally show compliance with ASTM C 1278.

6.72 Ramtech Laboratories, Inc., Laboratory Number 11443/1629, dated March 22, 2000, containing testing of Hardibacker 500® in accordance with ASTM C 1288, *Standard Specification for Discrete Non-Asbestos Fiber-Cement Interior Substrate Sheets*.

6.73 Omega Point Laboratories, Report Number 11710-106315, dated March 7, 2000, containing results of surface burning characteristic testing, indicating compliance with ASTM E 84 for the Hardibacker 500® backerboard.

6.74 Ramtech Laboratories, Inc., Laboratory Number 11569/1647, dated June 2, 2000, containing results of water tightness testing performed in accordance with ASTM C 1185 on Hardibacker 500®.

6.75 Ramtech Laboratories, Inc., Laboratory Number 11569B/1655, dated June 27, 2000, containing results of falling ball impact testing performed in accordance with ASTM D 1037 on Hardibacker 500®.

6.76 Ramtech Laboratories, Inc. Laboratory Number 11569A/1654, dated July 10, 2000, containing results of flexural strength testing performed in accordance with ASTM C 947, freeze thaw testing performed in accordance with ASTM C 666, and bacteria resistance testing performed in accordance with ASTM G 22 on the Hardibacker 500®.

6.77 Analysis of screw attachment to 20-gage metal studs and calculations by Ronald I. Ogawa, P.E., signed and sealed 10/10/01.

6.78 Analysis and wind load and wind speed by analysis of Ramtech Laboratories Report Lab No. IC-1035-88, analysis prepared by Inspection concepts, Inc., 15-Oct-01, signed and sealed by Ronald I. Ogawa, P.E, 10/16/01.

6.79 Test report on thermal conductivity under ASTM C 177 for 13/32-inch thick Hardibacker 500, Ramtech Laboratories, Inc., Lab No. 11670/1685, November 29, 2000, signed and sealed by Ronald I. Ogawa, P.E. and signed by David R. Macey.

6.80 Test report on moisture vapor transmission under ASTM E 96 for 13/32-inch Hardibacker 500, Ramtech Laboratories, Inc., Lab No. 11639/1674, October 10, 2000, signed and sealed by Ronald I. Ogawa, P.E. and signed by David R. Macey.

6.81 Test report equivalency testing for 5/16-inch Hardipanel Cladding with 6-,4-,3- and 2-inch nail spacing on 16- and 24-inch o.c. wood 2x4 studs, Ramtech Laboratories, Inc., Lab No. 11992/1783, January 17, 2002, signed and sealed by Ronald I. Ogawa, P.E. ½1/02, and David R. Macey, ½1/02.

7.0 CONDITIONS OF USE

The ICC-ES Subcommittee for the National Evaluation Service finds that James Hardie Building Products, as described in this report, comply with or are suitable alternates to that specified in the 2000 *International Building Code®*, the BOCA® *National Building Code*/1999, the 1999 *Standard Building Code®*, the 1997 *Uniform Building Code™*, the 2000 *International Residential Code®*, the *2002 Accumulative Supplement to the International Codes™*, and the 1998 *International One and Two Family Dwelling Code®* subject to the following conditions:

7.1 James Hardie Building Products listed in this report shall be installed in accordance with this report. This Evaluation Report and the manufacturer's published installation instructions, when required by the code official, shall be submitted at the time of permit application.

7.2 Hardiplank® lap siding and Hardishingle™ cladding shingle and panel sidings shall be installed on exterior walls braced in accordance with the applicable code:

7.2.1 Section 2305.7 of the BOCA® *National Building Code.*

7.2.2 Section 2308.2 of the *Standard Building Code®*.

7.2.3 Section 2320.11.3 and 2320.11.4 of the *Uniform Building Code™*.

7.2.4 Section 2308.9.3 of the *International Building Code®*.

7.2.5 Section R602.10.3 of the *International Residential Code®*.

7.2.6 Section 602.10 of the *International One and Two Family Dwelling Code®*.

7.3 Design Wind Loads applied to James Hardie Sidings listed in this report shall be determined in accordance with Chapter 16 of the applicable code and shall be less than those shown in the design tables in this report.

7.3.1 Design **Tables 2a and 2b** as shown in this report provides allowable capacity in MPH for transverse load conditions for James Hardie Sidings attached to studs. When using the *International Building Code®* the wind speeds must be converted to 3 second gust wind speed (mph) using **Table 1609.3.1** of the IBC and the allowable wind speeds shown in **Tables 2a and 2b** for the column titled BOCA® *National Building Code* (See 7.3.5 below).

7.3.2 Design **Table 3** as shown in this report provides allowable shear capacity in plf for James Hardie Sidings.

7.3.3 Design **Tables 6A, 6B, 6C, 7A, 7B, 7C, 8A, 8B, 8C** as shown in this report provides allowable capacity in MPH for transverse load conditions for James Hardie Sidings attached to sheathing. When using the *International Building Code®* the wind speeds must be converted to 3 second gust wind speed (mph) using **Table 1609.3.1of** the IBC and the allowable wind speeds shown in **Tables 6A, 7A and 8A** for the BOCA® *National Building Code* (See 7.3.5 below).

7.3.4 Design **Tables 9A,. 9B, 9C** as shown in this report provides allowable fastener spacing for James Hardiplank Lap Siding attached to CMUs in 110 MPH wind speed. When using the *International Building Code®* fastener spacings shown in **Table 9B** are applicable for a Wind Speed of 130 MPH.

7.3.5

INTERNATIONAL BUILDING CODE®
TABLE 1609.3.1
EQUIVALENT BASIC WIND SPEEDS[a,b,c]

V_{3s}	85	90	100	105	110	120	125	130	140	145	150	160	170
V_{fm}	70	75	80	85	90	100	105	110	120	125	130	140	150

For **SI**: 1 mile per hour = 0.44 m/s.
a. Linear interpolation is permitted.
b. V_{3s} is the 3 second gust wind speed (mph).
c V_{fm} is the fastest mile wind speed (mph).

INTERNATIONAL RESIDENTIAL CODE®
TABLE R301.2.1.3
EQUIVALENT BASIC WIND SPEEDS[a]

3-second gust	85	90	100	105	110	120	125	130	140	145	150	160	170
Fastest mile	70	75	80	85	90	100	105	110	120	125	130	140	150

For **SI**: 1 mile per hour = 1.609 km/h.
a. Linear interpolation is permitted.

7.4 The exterior plank and panel products installed on exterior walls shall be installed over a weather-resistive barrier in accordance with applicable codes.

7.4.1 In jurisdictions adopting the *Uniform Building Code*™ and the *Standard Building Code*®, Harditex® baseboard is acceptable for use as water repellant panel sheathing. The weather-resistance performance of joints and terminations has not been evaluated.

7.5 Compressed sheet of equivalent thickness to Species Group 1 plywood is an acceptable alternative to plywood subflooring specified in:

7.5.1 Section 2307.3.3 of the BOCA® *National Building Code*, Table 2307.3.3.

7.5.2 Section 2307.6 of the *Standard Building Code*®, Table 2307.6C.

7.5.3 Section 2320.9.2 and Table 23-II-F-1 of the *Uniform Building Code*™.

7.5.4 Section 2304.7.2 of the *International Building Code*®, Table 2304.7(4).

7.5.5 Section R503.2.1.1 of the *International Residential Code*®, Table R503.2.1(2).

7.5.6 Section 503.2.1.1of the *International One and Two Family Dwelling Code*®, Table 503.2.1.1(2).

7.6 Use of compressed sheet subfloor as a component of a floor diaphragm is outside the scope of this report.

7.7 $^5/_8$-inch (15.9 mm) thick Titan®-FR panel is recognized as an alternative to $^5/_8$-inch (15.9 mm) thick ASTM C 36, Type "X", gypsum board, or $^5/_8$-inch thick ASTM C 1278, Type "X" gypsum fiber panel for use in fire-resistive construction recognized in the above referenced codes.

7.8 $^5/_{16}$-inch (7.5 mm) thick Hardipanel® cladding and Harditex® baseboard are recognized as an alternative to $^3/_8$-inch (9.5 mm) thick Structural I panel in:

7.8.1 Table 2306.4.6.2 of the BOCA® *National Building Code*.

7.8.2 Table 2310.2.B of the *Standard Building Code*®.

7.8.3 Table 23-II-I-1 of the *Uniform Building Code*™.

7.8.4 Table 2306.4.1 of the *International Building Code*®.

7.8.5 Table R703.4 of the *International Residential Code*®.

7.8.6 Table 703.4 of the *International One and Two Family Dwelling Code*®.

7.9 Flashing shall be installed at all penetrations and terminations in accordance with the applicable code.

7.10 The products shall be manufactured at the following locations with quality control inspections by Intertek Testing Services, Inc. (NER-QA219):

- Fontana, California
- Cleburne, Texas
- Plant City, Florida
- Tacoma, Washington
- Rose Hill, NSW, Australia
- Carole Park, Queensland, Australia
- Penrose, Auckland, New Zealand
- Waxahachie, Texas
- Blandon, Pennsylvania
- Summerville, South Carolina
- Peru, Illinois
- Santiago, Chile

7.11 This report is subject to periodic re-examination. For information on the current status of this report, consult the ICC-ES website.

Table 1
STANDARD NOMINAL PLANK & PANEL DIMENSIONS

Product Type	Width	Length	Thicknesses (Inches)
Hardiplank	4, 5-1/4, 6, 6-1/4, 7-1/4, 7-1/2, 8, 8-1/4, 9-1/4, 9-1/2 11-1/4 & 12 inches	12, 14 feet	5/16
Hardisoffit (unvented)	4, 6, 12, 16, 24 & 48 inches	8 & 12 feet	3/16 & 1/4
Hardisoffit (vented)	4, 6, 12, 16 & 24 inches	12 feet	1/4
Hardiflex	48 inches	8, 9 & 10 feet	3/16, 1/4, 5/16 & 3/8
Hardipanel	48 inches	8, 9 & 10 feet	1/4 & 5/16
Harditex	48 inches	8, 9 & 10 feet	1/4, 5/16, 3/8 & 7/16
Hardipanel Shiplap	48-3/4 inches	8, 9 & 10 feet	5/16
Hardibacker (backerboard)	36 & 48 inches	4, 5, 8 feet	1/4 & 7/16
Hardibacker 500 (backerboard)	36 & 48 inches	5, 8, 9, 10 feet	13/32
Titan (tapered edge)	48 inches	8, 9 & 10 feet	1/4 & 7/16
Hardibacker (underlayment)	36 & 48 inches	4, 5 & 8 feet	1/4
Titan-FR	48 inches	8, 9 & 10 feet	5/8
Hardishingle cladding shingles	6, 8, & 12 inches	18 inches	1/4
Hardishingle panel (square & staggered edge)	48 inches	16 inches	1/4
Hardishingle panel (half round)	48 inches	19 inches	1/4
Compressed Sheet	48 inches	8, 9 ,10 feet	½, 5/8 & 3/4

Notes to Table 1:

1. Plank and panel products are also available in other lengths, widths, and thicknesses by special arrangement.
2. 1 inch = 25.4 mm, 1 ft = 304.8 mm

Table 2a — MAXIMUM WIND SPEED

Product Type	Product Thick. (in.)	Fastener Type	Fastener Spacing (in.)	Frame Type[1]	Stud Spacing (in.)	Height of Bldg (ft)	Maximum Basic Wind Speed (Mph) for Exposure Category								
							Uniform Building Code			*Standard Building Code*			*BOCA National Building Code*		
							B	C	D	< 60 ft	C	D	B	C	D
Hardiflex Hardisoffit (unvented)	3/16	4d common 1-1/2 in. long	6	2 × 4 wood	16	20 40 60 100	90 80 70 70	70	-	90 80 70	70	-	90 80 70 70	70	-
Hardipanel Hardiflex Harditex Hardisoffit (unvented)	1/4	4d common 1-1/2 in. long	8	2 × 4 wood	16 24	20 40 60 20 40	90 80 70 70		-	90 80 70		-	90 80 70 70		-
Hardisoffit (vented)	1/4	0.083" shank x 0.187" HD ringshank nail at 8" o.c. at all bearing	-	2 x 4 SG = 0.40	22.5 max	0-15 20 40 60 100	150 150 150 150 140	140 130 130 120 105	120 120 110 110 100	150 140 130 120	 105	 90	150 150 150 150 130	140 130 120 110 105	110 110 100 100 90
Hardipanel Hardiflex Harditex	1/4	6d common 2 in. long	6	2 × 4 wood	16	20 40 60 100 200	120 120 110 100 90	100 95 90 85 80	-	120 120 120	120 110 110 70 70	-	120 120 120 95 80	100 90 90 70 70	-
Hardipanel Hardiflex Harditex	1/4	No. 11 ga. 1-1/4 in. long galvanized roofing nail	6	2 × 4 wood	16 24	20 40 100 150 200 20 40 100	110 105 90 80 80 80 80 70	80 80 70 70	-	110 105	80 80 70 70	-	110 105 90 80 80 80 80 70	80 80 70 70	-
Hardipanel Hardiflex Harditex	1/4	No. 11 ga. 1-1/4 in. long galvanized roofing nail	4 edge 12 field	2 × 4 wood	16	20 40 60 100 200	120 120 100 90	90 90 80 70	-	120 120 110	90 90 80 70	-	120 120 100 90	90 90 80 70	-
Hardipanel Hardiflex Harditex	5/16	0.091 in. shank, 0.225 in. HD, 1.5 in. long ring shank nail	4 edge 8 field	2 × 4 wood[2]	16	0-15 20 40 60 100	110 110 95 90 80	100 95 85 80	-	100 95 85 80	80 75 70	-	115 110 95 85 70	85 80 75 70 70	-
Hardipanel Hardiflex Harditex	5/16	4d common 1-1/2 in. long	8	2 × 4 wood	16 24	40 100 150 200 20 40 60	110 90 80 70 90 80 70	80 70	-	110	80 70	-	110 90 80 70 90 80 70	80 70	-
Hardipanel Hardiflex Harditex	5/16	6d common 2 in. long	6	2 × 4 wood	16	20 40 60 100 200	120 120 110 100 90	110 100 95 90 80	-	120 120 120	120 120 100 90	-	120 120 120 95 80	100 90 80 70	-
Hardipanel Hardiflex Harditex	5/16	6d common 2 in. long	6	2 × 4 wood	24	20 40 60 100 200	110 100 90 80 70	80 80 70 70	-	120 105 95	110 90 90	-	120 105 95 80 70	80 80 70	-
Hardipanel Hardiflex Harditex	5/16	6d common 2 in. long	4	2 × 4 wood	16	20 40 60 100 200	120 120 120 120 120	120 120 120 110 100	-	120 120 120	120 120 110 80 70	-	120 120 120 120 105	100 100 90 80 70	-
Hardipanel Hardiflex Harditex	5/16	6d common 2 in. long	4	2 × 4 wood	24	20 40 60 100 200	120 120 110 100 90	105 100 90 85 80	-	120 120 120	120 110 110 80 70	-	120 120 120 100 80	105 95 90 80 70	-

Table 2a — MAXIMUM WIND SPEED

Product Type	Product Thick. (in.)	Fastener Type	Fastener Spacing (in.)	Frame Type[1]	Stud Spacing (in.)	Height of Bldg (ft)	Maximum Basic Wind Speed (Mph) for Exposure Category								
							Uniform Building Code			*Standard Building Code*			*BOCA National Building Code*		
							B	C	D	< 60 ft	C	D	B	C	D
Hardipanel Hardiflex Harditex	5/16	6d common 2 in. long	6 edge 12 field	2 × 4 wood	16	40	120	90	-	120	90	-	120	90	-
						60				110					
						100	100	80			80		100	80	
						200	90	70			70		90	70	
Hardipanel Shiplap Panel	5/16	0.092" shank × 2" × 0.225" HD ringshank nail	3 edge 8 field	2 × 4 SG = 0.40	16	0-15	140	110	95	125			150	110	90
						20	130	105	95	120			150	105	85
						40	120	95	90	110			130	95	80
						60	115	90	85	100			120	90	75
						100	105	85	80		80	-	95	80	-
Hardipanel Shiplap Panel	5/16	0.092" shank × 2" × 0.225" HD ringshank nail	4 edge 8 field	2 × 4 SG = 0.40	16	0-15	130	100	90	120			150	105	85
						20	130	100	90	115			140	100	80
						40	115	95	85	100			125	90	75
						60	110	90	80	95			115	85	75
						100	100	80	75		75	-	90	75	-
Hardipanel Shiplap Panel	5/16	0.092" shank × 2" × 0.225" HD ringshank nail	5 edge 8 field	2 × 4 SG = 0.40	16	0-15	130	95	85	115			140	90	80
						20	120	95	80	110			140	90	80
						40	110	85	80	95			120	85	75
						60	100	80	75	90			110	80	-
						100	90	80	70		-	-	90	75	-
Hardipanel Shiplap Panel	5/16	0.092" shank × 2" × 0.225" HD ringshank nail	6 edge 8 field	2 × 4 SG = 0.40	16	0-15	120	90	80	105			140	95	75
						20	115	90	80	100			130	90	70
						40	110	85	75	90			110	80	70
						60	100	80	75	85			100	75	-
						100	95	75	-		-	-	80	-	-
Hardipanel Shiplap Panel	5/16	0.092" shank × 2" × 0.225" HD ringshank nail	7 edge 8 field	2 × 4 SG = 0.40	16	0-15	110	85	75	100			130	90	70
						20	110	80	70	95			120	85	70
						40	100	80	70	85			100	80	-
						60	90	75	-	80			90	70	-
						100	85	70	-		-	-	75	-	-
Hardipanel Shiplap Panel	5/16	0.092" shank × 2" × 0.225" HD ringshank nail	8 edge 8 field	2 × 4 SG = 0.40	16	0-15	105	80	70	90			120	80	70
						20	100	80	70	90			110	80	-
						40	90	70	-	80			95	70	-
						60	85	70	-	75			90	-	-
						100	80	-	-				75	-	-
Hardiflex Harditex	7/16	No. 11 ga 1-3/4 in. long galvanized roofing nail	6	2 × 4 wood	16	20	120	120	-	120	120	-	120	120	-
						40	120	110		120	110		120	110	
						60	120	110		120	100		120	100	
						100	110	110			90		110	90	
						200	110	100			80		100	80	
Hardishingle Panel Straight Installation	1/4	0.083" shank ×0.187" HD ringshank nail into OSB only	13.75		-	0-15	100	70	-	80			110	70	-
						20	90	70	-	80			105	70	-
						40	85	70	-	70			90	70	-
						60	80	-	-	70			80	-	-
						100	70	-	-		-	-	70	-	-
Hardishingle Panel Staggered Installation	1/4	0.083" shank ×0.187" HD ringshank nail into OSB only	13.75		-	0-15	90	70	-	80			90	70	-
						20	90	70	-	80			90	-	-
						40	80	-	-	70			80	-	-
						60	70	-	-	-			70	-	-
						100	-	-	-		-	-	-	-	-
Hardishingle Panel	1/4	0.083" shank × 0.187" HD ringshank nail at each stud	-	2 × 4 SG = 0.40	16	0-15	150	120	110	150			150	120	100
						20	150	120	100	150			150	120	100
						40	140	110	100	130			150	110	90
						60	130	105	95	120			140	100	90
						100	120	100	90		90	80	110	90	80
Hardishingle Panel	1/4	0.083" shank × 0.187" HD ringshank nail at each stud	-	2 × 4 SG = 0.40	24	0-15	115	90	80	100			130	90	70
						20	110	85	70	100			120	85	70
						40	105	80	70	90			110	80	-
						60	90	75	-	85			100	75	-
						100	85	70	-		-	-	80	-	-

Table 2a — MAXIMUM WIND SPEED

Product Type	Product Thick. (in.)	Fastener Type	Fastener Spacing (in.)	Frame Type[1]	Stud Spacing (in.)	Height of Bldg (ft)	Maximum Basic Wind Speed (Mph) for Exposure Category								
							Uniform Building Code			*Standard Building Code*			*BOCA National Building Code*		
							B	C	D	< 60 ft	C	D	B	C	D
Hardiflex Hardisoffit (unvented)	3/16	Min. No. 8 x 1 in. long × 0.323 in. HD ribbed buglehead screws	6	Min. No. 20 ga. × 3-5/8 in.×1-3/8 in. metal C-stud	16	20 40 60 100	80 80 70 70	70	-	80 80 70	70	-	80 80 70 70	70	-
Hardipanel Hardiflex Harditex	1/4	Min. No. 8 x 1 in. long × 0.323 in. HD ribbed buglehead screws	6	Min. No. 20 ga. × 3-5/8 in.×1-3/8 in. metal C-stud	16	20 40 60 100 150 200	120 110 100 90 90 80	90 90 80 80 70 70	N/A	120 110 100 90 80	90 90 80 80 70 70	N/A	120 110 100 90 90 80	90 90 80 80 70 70	N/A
					24	20 40 100	90 80 70	70		80	70		90 80 70	70	
Hardipanel	5/16	ET & F 0.100 × 1.5" × 25" HD ES 4144	4 edge 8 field	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15 20 40 60 100	150 140 130 120 110	115 110 105 100 95	100 100 90 90 85	130 130 120 110	75	-	150 150 140 130 105	120 110 100 100 85	100 90 90 80 70
Hardipanel	5/16	ET & F 0.100 × 1.5" × 25" HD ES 4144	4 edge 8 field	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15 20 40 60 100	120 110 100 95 85	90 85 80 75 70	80 75 70 70 -	105 100 90 85	-	-	135 130 110 100 80	90 90 80 75 -	75 70 70 70 -
Hardiflex Harditex	7/16	Min. No. 8 x 1 in. long × 0.311 in. HD ribbed buglehead screws	6	Min. No. 20 ga. × 3-5/8 in.×1-3/8 in. metal C-stud	16	20 40 60 100 200	120 120 120 120 110	120 120 110 110 110	-	120 120 120	120 120 120 90 80	-	120 120 120 120 100	120 120 110 90 80	-

Notes to Table 2a:

1. Values are for species of wood having a specific gravity of 0.42 or greater, unless otherwise noted.
2. Values are for species of wood having a specific gravity of 0.36 or greater.

Table 2b — MAXIMUM WIND SPEED

Product Type	Product (in.)		Fastener Type	Fastener Spacing (in.)	Frame Type[1]	Stud Spacing (in.)	Height of Bldg (ft)	Maximum Basic Wind Speed (Mph) for Exposure Category								
								Uniform Building Code			*Standard Building Code*			*BOCA National Building Code*		
	Thick.	Width						B	C	D	< 60 ft	C	D	B	C	D
Hardiplank	5/16	4.00	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	150	150	150			150	150	150
							20	150	150	150	150			150	150	150
							40	150	150	150	150			150	150	150
							60	150	150	150	150			150	150	140
							100	150	150	150		140	120	150	140	120
Hardiplank	5/16	6.00	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	150	140	150			150	150	130
							20	150	150	140	150			150	150	130
							40	150	140	130	150			150	140	120
							60	150	130	120	150			150	130	110
							100	150	130	120		110	100	140	110	100
Hardiplank	5/16	6.25	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	150	140	150			150	150	130
							20	150	150	130	150			150	150	120
							40	150	140	130	150			150	140	120
							60	140	130	120	150			150	130	110
							100	130	130	120		110	100	130	110	100
Hardiplank	5/16	7.50	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	140	120	150			150	140	110
							20	150	130	120	150			150	130	110
							40	150	120	110	130			150	120	105
							60	140	120	110	130			150	110	110
							100	130	110	100		100	80	120	100	80
Hardiplank	5/16	8.00	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	130	110	150			150	130	110
							20	150	130	110	150			150	130	110
							40	150	120	110	130			150	120	100
							60	130	110	105	12			150	110	90
							100	130	110	100		95	90	120	95	85
Hardiplank	5/16	8.25	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	130	110	150			150	130	110
							20	150	130	110	140			150	130	100
							40	140	110	100	130			150	115	100
							60	130	110	100	120			140	110	90
							100	120	105	100		90	80	120	90	80
Hardiplank	5/16	9.50	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	120	105	140			150	120	100
							20	150	120	100	130			150	120	100
							40	140	110	100	120			140	110	90
							60	120	105	90	110			130	100	90
							100	120	100	90		80	75	110	80	75
Hardiplank	5/16	12.00	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	140	110	90	120			150	110	90
							20	140	105	90	120			150	110	90
							40	120	100	90	110			130	100	80
							60	110	95	85	100			120	90	80
							100	105	90	80		75	70	100	75	70
Hardiplank	5/16	4.00	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	150	140	130	150			150	150	120
							20	150	140	125	150			150	140	120
							40	150	130	120	150			150	135	110
							60	150	125	115	140			150	125	105
							100	140	120	100		100	90	130	100	90
Hardiplank	5/16	6.00	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	150	120	100	140			150	120	100
							20	150	115	100	135			150	120	100
							40	130	110	95	120			140	105	90
							60	125	100	90	110			130	100	85
							100	115	100	90		80	70	110	80	75
Hardiplank	5/16	6.25	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	150	120	100	135			150	120	100
							20	150	110	100	130			150	110	95
							40	130	105	95	120			130	105	90
							60	120	100	90	110			120	100	80
							100	110	95	90		80	70	90	90	70
Hardiplank	5/16	7.50	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	130	100	90	120			150	100	85
							20	125	100	85	110			140	100	80
							40	115	90	80	100			120	90	75
							60	110	85	80	95			110	80	75
							100	100	80	75		75	-	90	70	-

Table 2b — MAXIMUM WIND SPEED

Product Type	Product (in.)		Fastener Type	Fastener Spacing (in.)	Frame Type[1]	Stud Spacing (in.)	Height of Bldg (ft)	Maximum Basic Wind Speed (Mph) for Exposure Category								
								Uniform Building Code			*Standard Building Code*			*BOCA National Building Code*		
	Thick.	Width						B	C	D	< 60 ft	C	D	B	C	D
Hardiplank	5/16	8.00	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	130	100	85	115			150	100	80
							20	120	95	80	110			140	100	80
							40	110	90	80	100			120	90	75
							60	105	85	75	95			110	80	70
							100	95	80	70		70	-	90	70	-
Hardiplank	5/16	8.25	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	125	95	85	110			140	100	80
							20	120	90	80	105			140	90	80
							40	110	85	80	95			120	85	70
							60	100	80	75	90			110	80	70
							100	90	80	70		70	-	90	70	-
Hardiplank	5/16	9.50	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	120	90	80	100			130	90	70
							20	110	90	75	100			130	90	70
							40	100	80	70	90			110	80	70
							60	90	80	70	85			110	80	-
							100	85	70	-		-	-	80	-	-
Hardiplank	5/16	12.00	ET & F pin 0.100 × 1.5" × 0.25" HD	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	100	80	-	90			120	80	-
							20	100	80	-	90			110	80	-
							40	90	70	-	80			90	70	-
							60	85	70	-	75			90	-	-
							100	80	-	-		-	-	70	-	-
Hardiplank	5/16	4.00	ET & F Panelfast 0.100 × 1.5" × 0.313" HD	Through top edge of plank	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	150	150	150			150	150	150
							20	150	150	150	150			150	150	150
							40	150	150	150	150			150	150	150
							60	150	150	150	150			150	150	150
							100	150	150	150		150	150	150	150	140
Hardiplank	5/16	6.00	ET & F Panelfast 0.100 × 1.5" × 0.313" HD	Through top edge of plank	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	110	100	130			140	110	90
							20	150	110	100	140			140	105	85
							40	130	100	90	120			130	95	80
							60	120	100	90	110			120	90	80
							100	110	90	80		75	-	95	75	-
Hardiplank	5/16	6.25	ET & F Panelfast 0.100 × 1.5" × 0.313" HD	Through top edge of plank	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	140	110	100	130			150	100	85
							20	140	110	90	120			140	100	80
							40	120	100	90	115			120	90	75
							60	120	95	85	105			110	85	70
							100	110	90	80		70	-	90	70	-
Hardiplank	5/16	7.50	ET & F Panelfast 0.100 × 1.5" × 0.313" HD	Through top edge of plank	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	120	90	80	110			130	90	70
							20	120	90	80	100			120	85	70
							40	110	80	75	95			105	75	-
							60	100	80	70	90			95	70	-
							100	90	75	70		-	-	75	-	-
Hardiplank	5/16	8.00	ET & F Panelfast 0.100 × 1.5" × 0.313" HD	Through top edge of plank	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	110	90	80	100			120	80	70
							20	110	85	70	100			110	80	-
							40	100	80	70	90			100	70	-
							60	90	70	70	80			90	70	-
							100	80	70	-		-	-	70	-	-
Hardiplank	5/16	8.25	ET & F Panelfast 0.100 × 1.5" × 0.313" HD	Through top edge of plank	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	110	90	70	100			120	80	-
							20	110	80	70	95			110	80	-
							40	100	80	70	85			100	70	-
							60	90	70	-	70			90	-	-
							100	80	70	-		-	-	70	-	-
Hardiplank	5/16	4.00	ET & F Panelfast 0.100 × 1.5" × 0.313" HD	Through top edge of plank	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	150	150	150	150			150	150	150
							20	150	150	150	150			150	150	150
							40	150	150	150	150			150	150	140
							60	150	1501	150	150			150	150	130
							100	150	50	150		130	110	150	130	110
Hardiplank	5/16	6.00	ET & F Panelfast 0.100 × 1.5" × 0.313" HD	Through top edge of plank	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	130	100	90	110			140	95	80
							20	120	100	85	110			130	90	70
							40	110	90	85	100			110	80	70
							60	110	85	80	90			105	80	-
							100	100	80	70		-	-	80	-	-

Table 2b — MAXIMUM WIND SPEED

Product Type	Product (in.)		Fastener Type	Fastener Spacing (in.)	Frame Type[1]	Stud Spacing (in.)	Height of Bldg (ft)	Maximum Basic Wind Speed (Mph) for Exposure Category								
								Uniform Building Code			*Standard Building Code*			*BOCA National Building Code*		
	Thick.	Width						B	C	D	< 60 ft	C	D	B	C	D
Hardiplank	5/16	6.25	ET & F Panelfast 0.100 × 1.5" × 0.313" HD	Through top edge of plank	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	120	95	80	110			130	90	70
							20	120	90	80	100			120	85	70
							40	110	85	70	90			110	80	-
							60	100	80	70	80			90	75	-
							100	90	70	70		-	-	70	-	-
Hardiplank	5/16	7.50	ET & F Panelfast 0.100 × 1.5" × 0.313" HD	Through top edge of plank	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	110	90	70	100			120	80	70
							20	110	85	70	100			110	80	-
							40	100	80	70	90			100	70	-
							60	90	75	70	80			90	70	-
							100	85	70	-		-	-	70	-	-
Hardiplank	5/16	8.00	ET & F Panelfast 0.100 × 1.5" × 0.313" HD	Through top edge of plank	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	100	80	70	90			110	70	-
							20	100	75	70	90			100	70	-
							40	90	70	-	80			85	-	-
							60	80	-	-	75			80	-	-
							100	75	-	-		-	-	-	-	-
Hardiplank	5/16	8.25	ET & F Panelfast 0.100 × 1.5" × 0.313" HD	Through top edge of plank	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	90	70	-	80			100	-	-
							20	90	70	-	80			90	-	-
							40	80	-	-	70			80	-	-
							60	75	-	-	70			70	-	-
							100	70	-	-		-	-	-	-	-
Hardiplank	5/16	4.00	6d common 2" long	Through Overlap	2 × 4	16	0-15	150	150	150	150			150	150	150
							20	150	150	150	150			150	150	150
							40	150	150	150	150			150	150	150
							60	150	150	150	150			150	150	130
							100	150	150	140		130	120	150	130	120
Hardiplank	5/16	6.00	6d common 2" long	Through Overlap	2 × 4	16	0-15	150	150	135	150			150	150	130
							20	150	150	130	150			150	150	130
							40	150	150	120	150			150	140	120
							60	150	150	120	150			150	130	115
							100	150	150	120		110	100	140	110	100
Hardiplank	5/16	6.25	6d common 2" long	Through Overlap	2 × 4	16	0-15	150	150	120	150			150	150	130
							20	150	150	120	150			150	1501	120
							40	150	150	120	150			150	40	120
							60	150	130	120	150			150	130	115
							100	150	130	110		110	100	150	110	100
Hardiplank	5/16	7.50	6d common 2" long	Through Overlap	2 × 4	16	0-15	1501	150	120	150			150	140	120
							20	50	150	120	150			150	140	120
							40	150	130	110	140			150	120	120
							60	150	120	110	130			150	120	115
							100	130	110	110		110	90	140	100	90
Hardiplank	5/16	8.00	6d common 2" long	Through Overlap	2 × 4	16	0-15	150	130	120	150			150	140	110
							20	150	130	115	150			150	140	110
							40	150	120	110	130			150	120	100
							60	140	120	105	130			150	115	100
							100	130	110	100		95	85	120	95	85
Hardiplank	5/16	8.25	6d common 2" long	Through Overlap	2 × 4	16	0-15	150	130	115	150			150	140	110
							20	150	130	110	150			150	130	100
							40	150	120	110	130			150	120	100
							60	140	115	105	120			150	110	100
							100	130	110	100		95	80	130	95	80
Hardiplank	5/16	9.50	6d common 2" long	Through Overlap	2 × 4	16	0-15	150	120	110	140			150	130	105
							20	150	120	110	140			150	120	100
							40	140	110	100	120			140	120	95
							60	130	105	100	120			120	120	90
							100	120	100	95		90	80	115	90	80
Hardiplank	5/16	12.00	6d common 2" long	Through Overlap	2 × 4	16	0-15	140	110	95	130			150	110	95
							20	140	105	95	120			150	110	90
							40	120	100	90	110			140	100	85
							60	115	95	85	105			120	95	80
							100	110	90	80		80	70	100	80	70

Table 2b — MAXIMUM WIND SPEED

Product Type	Product (in.)		Fastener Type	Fastener Spacing (in.)	Frame Type[1]	Stud Spacing (in.)	Height of Bldg (ft)	Maximum Basic Wind Speed (Mph) for Exposure Category								
								Uniform Building Code			*Standard Building Code*			*BOCA National Building Code*		
	Thick.	Width						B	C	D	< 60 ft	C	D	B	C	D
Hardiplank	5/16	4.00	6d common 2" long	Through Overlap	2 × 4	24	0-15	150	130	115	150			150	130	110
							20	150	130	110	140			150	130	110
							40	150	120	110	130			150	120	100
							60	140	120	100	120			150	115	95
							100	130	110	100		95	80	120	95	80
Hardiplank	5/16	6.00	6d common 2" long	Through Overlap	2 × 4	24	0-15	140	110	95	130			120	110	90
							20	140	100	95	120			120	110	90
							40	130	100	95	110			120	100	80
							60	115	95	85	105			120	90	80
							100	105	90	80		80	70	100	80	70
Hardiplank	5/16	6.25	6d common 2" long	Through Overlap	2 × 4	24	0-15	120	105	95	120			120	110	90
							20	120	100	90	120			120	100	85
							40	120	95	85	110			120	95	80
							60	110	90	80	100			120	90	80
							100	105	85	80		80	70	100	80	70
Hardiplank	5/16	7.50	6d common 2" long	Through Overlap	2 × 4	24	0-15	120	95	85	110			120	100	80
							20	120	95	85	110			120	95	80
							40	110	85	80	100			120	90	75
							60	100	85	75	95			120	85	70
							100	95	80	70		70	70	90	70	-
Hardiplank	5/16	8.00	6d common 2" long	Through Overlap	2 × 4	24	0-15	120	95	80	110			120	100	80
							20	120	95	80	105			120	90	70
							40	105	85	70	100			110	80	70
							60	100	85	70	90			105	80	70
							100	90	75	70		70	-	85	70	-
Hardiplank	5/16	8.25	6d common 2" long	Through Overlap	2 × 4	24	0-15	115	95	80	110			120	95	80
							20	115	95	80	100			120	90	75
							40	105	85	70	95			110	80	70
							60	100	85	70	90			105	75	70
							100	90	75	70				85	-	-
Hardiplank	5/16	9.50	6d common 2" long	Through Overlap	2 × 4	24	0-15	110	85	75	100			120	90	70
							20	110	85	70	95			120	85	70
							40	95	75	70	85			100	80	-
							60	90	75	-	85			100	70	-
							100	85	70	-		-	-	80	-	-
Hardiplank	5/16	12.00	6d common 2" long	Through Overlap	2 × 4	24	0-15	70	75	-	90			110	80	-
							20	95	70	-	85			110	75	-
							40	90	70	-	80			95	70	-
							60	80	-	-	75			85	-	-
							100	70	-	-		-	-	70	-	-
Hardiplank	5/16	4.00	No. 8-18 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	150	150	150			150	150	150
							20	150	150	150	150			150	150	140
							40	150	150	140	150			150	150	140
							60	150	150	140	150			150	150	130
							100	150	150	130		130	115	150	130	115
Hardiplank	5/16	6.00	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	150	140	150			150	150	120
							20	150	140	140	150			150	140	120
							40	150	130	130	150			150	130	115
							60	150	130	130	140			150	120	110
							100	140	120	120		105	95	135	105	95
Hardiplank	5/16	6.25	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	140	120	150			150	150	120
							20	150	140	120	150			150	140	120
							40	150	130	110	140			150	130	110
							60	150	120	110	140			150	120	105
							100	140	120	110		105	90	130	105	90
Hardiplank	5/16	7.50	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	130	110	150			150	130	110
							20	150	120	110	140			150	130	105
							40	140	110	105	130			150	115	100
							60	130	110	100	120			150	110	90
							100	120	100	95		90	80	115	90	80

Table 2b — MAXIMUM WIND SPEED

Product Type	Product (in.)		Fastener Type	Fastener Spacing (in.)	Frame Type'	Stud Spacing (in.)	Height of Bldg (ft)	Maximum Basic Wind Speed (Mph) for Exposure Category								
								Uniform Building Code			*Standard Building Code*			*BOCA National Building Code*		
	Thick.	Width						B	C	D	< 60 ft	C	D	B	C	D
Hardiplank	5/16	8.00	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	130	110	150			150	130	110
							20	150	120	110	140			150	130	105
							40	150	110	105	130			150	115	100
							60	150	110	100	120			140	110	90
							100	130	100	95		90	80	115	90	80
Hardiplank	5/16	8.25	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	120	110	140			150	130	110
							20	150	120	110	140			150	120	105
							40	140	110	105	120			150	115	100
							60	120	110	100	120			140	105	90
							100	120	100	95		90	80	115	90	80
Hardiplank	5/16	9.50	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	150	115	100	130			150	120	100
							20	150	110	100	130			150	115	95
							40	130	110	95	120			140	105	90
							60	120	110	90	110			130	100	85
							100	115	95	85		85	75	110	85	75
Hardiplank	5/16	12.00	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	16	0-15	130	100	90	120			150	110	90
							20	130	100	90	120			150	105	80
							40	120	90	80	100			120	95	80
							60	110	90	80	100			120	90	75
							100	100	85	80		75	-	95	75	-
Hardiplank	5/16	4.00	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	150	150	130	150			150	150	120
							20	150	140	130	150			150	140	120
							40	150	130	120	150			150	130	110
							60	150	130	110	140			150	120	110
							100	140	110	110		105	90	135	105	90
Hardiplank	5/16	6.00	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	150	130	105	140			150	120	100
							20	150	130	100	130			150	120	100
							40	150	110	100	120			140	110	95
							60	140	105	90	115			130	100	90
							100	130	100	90		85	75	110	85	75
Hardiplank	5/16	6.25	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	150	120	100	135			150	150	100
							20	150	110	100	130			150	140	95
							40	130	105	90	120			140	130	90
							60	120	100	90	110			130	120	85
							100	110	95	90		85	70	110	85	75
Hardiplank	5/16	7.50	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	140	110	90	120			150	110	90
							20	130	100	90	120			150	105	90
							40	120	95	85	110			130	95	80
							60	110	90	80	100			120	90	80
							100	100	90	80		80	70	115	80	70
Hardiplank	5/16	8.00	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	130	105	90	120			150	110	90
							20	130	100	90	115			150	105	85
							40	120	95	80	105			130	95	80
							60	110	90	80	100			120	90	75
							100	100	85	80		75	-	95	75	-
Hardiplank	5/16	8.25	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	130	100	90	120			150	105	90
							20	130	100	90	115			150	105	85
							40	120	90	80	105			120	90	80
							60	110	90	80	100			115	85	75
							100	100	85	75		75	-	95	75	-
Hardiplank	5/16	9.50	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	120	95	80	110			140	100	80
							20	120	90	80	105			140	95	80
							40	110	85	75	95			120	85	75
							60	100	80	70	90			110	80	70
							100	90	80	70		70	-	90	70	-
Hardiplank	5/16	12.00	No. 8 × 1-5/8" long × 0.323" HD ribbed bugle head screw	Through Overlap	Min. No. 20 ga. × 3.62" × 1.375" Metal C-stud	24	0-15	115	80	70	100			130	90	70
							20	110	80	70	95			120	85	70
							40	95	75	70	85			100	75	-
							60	90	70	-	80			95	70	-
							100	80	70	-		-	-	80	-	-

Product Type	Thick.	Width	Fastener Type	Spacing (in.)	Type[1]	(in.)	(ft)	B	C	D	< 60 ft	C	D	B	C	D
Hardiplank	5/16	4.00	No. 11 ga. 1-1/4" long Galv. roofing nail	Through top edge of plank	2 × 4 wood	16	0-15	150	150	150	150			150	150	150
							20	150	150	150	150			150	150	150
							40	150	150	150	150			150	150	150
							60	150	150	150	150			150	150	150
							100	150	150	150		140	120	150	140	120
Hardiplank	5/16	6.00	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	16	0-15	150	150	130	150			150	150	130
							20	150	150	130	150			150	150	120
							40	150	140	120	150			150	130	115
							60	150	130	120	140			150	130	110
							100	150	120	110		110	95	140	110	95
Hardiplank	5/16	6.25	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	16	0-15	150	150	130	150			150	150	120
							20	150	140	120	150			150	140	120
							40	150	130	120	150			150	130	110
							60	150	130	110	140			150	120	110
							100	140	120	110		100	95	135	100	95
Hardiplank	5/16	7.50	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	16	0-15	150	130	115	150			150	130	110
							20	150	130	110	140			150	130	110
							40	150	120	110	135			150	120	100
							60	140	115	105	125			150	110	95
							100	130	110	100		95	85	120	95	85
Hardiplank	5/16	8.00	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	16	0-15	150	130	110	150			150	130	105
							20	150	120	110	140			150	120	100
							40	140	115	100	130			150	115	95
							60	130	110	100	120			140	110	95
							100	120	110	95		90	80	115	90	80
Hardiplank	5/16	8.25	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	16	0-15	150	120	110	140			150	130	105
							20	150	120	105	140			150	120	105
							40	140	110	100	125			150	110	95
							60	130	110	100	120			140	105	90
							100	120	100	95		90	80	115	90	80
Hardiplank	5/16	9.50	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	16	0-15	150	110	100	130			150	120	100
							20	140	110	100	130			150	115	95
							40	130	100	90	115			140	100	90
							60	120	100	90	110			130	100	85
							100	110	95	80		80	70	105	80	70
Hardiplank	5/16	12.00	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	16	0-15	130	100	90	115			150	105	85
							20	120	100	80	110			140	100	80
							40	110	90	80	100			120	95	75
							60	110	80	80	95			110	85	75
							100	100	80	75		75	-	90	75	-
Hardiplank	5/16	4.00	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	24	0-15	150	150	140	150			150	150	130
							20	150	150	140	150			150	150	130
							40	150	150	130	150			150	140	120
							60	150	140	130	150			150	140	120
							100	150	130	120		115	105	150	115	105
Hardiplank	5/16	6.00	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	24	0-15	150	120	110	140			150	130	105
							20	150	120	105	140			150	120	105
							40	140	110	100	125			150	110	95
							60	130	110	100	115			140	105	90
							100	120	100	100		90	80	110	90	80
Hardiplank	5/16	6.25	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	24	0-15	150	120	110	140			150	125	100
							20	150	120	100	130			150	120	100
							40	130	110	100	120			150	110	95
							60	120	110	95	110			130	105	90
							100	120	100	90		85	80	110	85	80
Hardiplank	5/16	7.50	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	24	0-15	140	110	95	120			150	115	90
							20	140	105	90	120			150	110	90
							40	120	100	90	110			130	100	80
							60	120	95	85	100			120	95	80
							100	110	90	70		80	70	100	80	70

Table 2b — MAXIMUM WIND SPEED

	Product (in.)	Fastener	Fastener Spacing	Frame	Stud Spacing	Height of Bldg	Maximum Basic Wind Speed (Mph) for Exposure Category		
							Uniform Building Code	*Standard Building Code*	*BOCA National Building Code*

Table 2b — MAXIMUM WIND SPEED

Product Type	Product (in.)		Fastener Type	Fastener Spacing (in.)	Frame Type[1]	Stud Spacing (in.)	Height of Bldg (ft)	Maximum Basic Wind Speed (Mph) for Exposure Category								
								Uniform Building Code			*Standard Building Code*			*BOCA National Building Code*		
	Thick.	Width						B	C	D	< 60 ft	C	D	B	C	D
Hardiplank	5/16	8.00	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	24	0-15	130	100	90	120			150	110	90
							20	130	100	90	115			150	105	80
							40	120	95	80	105			120	95	80
							60	120	95	80	100			110	90	75
							100	110	90	70		90	-	95	90	-
Hardiplank	5/16	8.25	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	24	0-15	130	100	90	120			150	110	85
							20	130	100	90	110			140	105	85
							40	120	95	80	100			120	90	80
							60	110	95	80	95			110	90	75
							100	100	90	75		75	-	90	70	-
Hardiplank	5/16	9.50	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	24	0-15	120	95	80	110			140	100	80
							20	120	90	80	105			130	90	75
							40	110	90	70	95			115	85	70
							60	100	85	70	90			105	80	70
							100	95	75	70		70	-	85	70	-
Hardiplank	5/16	12.00	No. 11 ga. 1-1/4" long galv. roofing nail	Through top edge of plank	2 × 4 wood	24	0-15	110	80	70	90			120	85	70
							20	110	80	70	90			120	80	70
							40	100	80	70	80			105	75	-
							60	80	80	-	80			90	70	-
							100	80	80	-		-	-	80	-	-
Hardiplank	5/16	4.00	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	16	0-15	150	150	150	150			150	150	150
							20	150	150	150	150			150	150	140
							40	150	150	150	150			150	150	130
							60	150	150	150	160			150	150	130
							100	150	140	140	-	120	110	150	120	110
Hardiplank	5/16	6	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	16	0-15	150	140	125	150			150	150	120
							20	150	140	120	150			150	140	120
							40	150	130	115	140			150	130	110
							60	150	120	110	140			150	120	105
							100	140	120	110	-	100	90	130	100	90
Hardiplank	5/16	6-1/4	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	16	0-15	150	140	120	150			150	140	125
							20	150	140	120	150			150	140	115
							40	150	130	110	140			150	130	110
							60	150	120	110	130			150	120	105
							100	135	110	100	-	100	90	130	100	90
Hardiplank	5/16	7-1/2	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	16	0-15	150	130	110	150			150	135	110
							20	150	120	105	140			150	130	100
							40	140	115	105	130			150	120	100
							60	140	100	105	130			140	110	95
							100	125	95	95	-	90	80	115	90	80
Hardiplank	5/16	8	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	16	0-15	150	125	110	140			150	130	100
							20	150	120	105	140			150	120	100
							40	140	110	100	125			140	110	90
							60	130	110	100	120			130	105	90
							100	120	100	95	-	90	85	115	90	80
Hardiplank	5/16	8-1/4	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	16	0-15	150	120	110	140			150	125	105
							20	150	120	105	130			150	120	100
							40	140	110	100	125			140	110	95
							60	130	105	95	115			130	100	90
							100	120	100	90	-	85	75	110	85	75
Hardiplank	5/16	9-1/2	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	16	0-15	150	115	100	130			150	120	100
							20	140	110	100	130			150	110	90
							40	130	105	90	120			140	100	90
							60	120	100	90	110			120	95	85
							100	110	90	85	-	85	80	100	85	80

Table 2b — MAXIMUM WIND SPEED

Product Type	Product (in.) Thick.	Product (in.) Width	Fastener Type	Fastener Spacing (in.)	Frame Type'	Stud Spacing (in.)	Height of Bldg (ft)	Maximum Basic Wind Speed (Mph) for Exposure Category								
								Uniform Building Code			*Standard Building Code*			*BOCA National Building Code*		
								B	C	D	< 60 ft	C	D	B	C	D
Hardiplank	5/16	4	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	24	0-15	150	140	125	150			150	150	120
							20	150	140	120	150			150	140	120
							40	150	130	115	140			150	130	110
							60	150	120	110	140			150	120	105
							100	140	120	110	-	100	90	130	100	90
Hardiplank	5/16	6	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	24	0-15	150	120	100	130			150	120	100
							20	150	110	100	130			150	115	95
							40	130	105	90	120			135	105	90
							60	120	100	90	110			130	100	85
							100	110	95	90	-	85	75	105	85	75
Hardiplank	5/16	6-1/4	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	24	0-15	150	115	100	130			150	120	100
							20	140	110	100	130			150	115	90
							40	130	105	95	115			140	105	90
							60	120	100	90	110			130	100	85
							100	110	95	85	-	85	70	105	85	70
Hardiplank	5/16	7-1/2	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	24	0-15	140	105	90	120			150	110	90
							20	130	100	90	115			150	100	85
							40	120	95	85	105			130	90	75
							60	110	90	80	100			120	75	75
							100	100	85	70	-	NA	NA	90	NA	NA
Hardiplank	5/16	8	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	24	0-15	130	100	90	120			150	105	85
							20	130	100	85	115			140	100	85
							40	120	90	80	100			125	90	75
							60	10	85	80	95			115	85	75
							100	100	80	75	-	75	NA	90	75	NA
Hardiplank	5/16	8-1/4	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	24	0-15	130	100	90	110			150	105	85
							20	125	100	85	110			140	100	85
							40	115	90	80	100			125	90	75
							60	105	85	80	95			110	85	75
							100	100	80	75	-	75	NA	90	75	NA
Hardiplank	5/16	9-1/2	No. 8 x 1-1/4 in. long x 0.375 in. HD ribbed waferhead screws	Through top edge of plank	Min. No. 20 ga. X 3.62" x 1.375" Metal C-stud	24	0-15	120	90	80	110			140	100	80
							20	120	90	80	105			130	90	75
							40	105	85	75	95			115	80	70
							60	100	80	75	90			105	75	70
							100	90	75	NA	-	NA	NA	85	NA	NA
Hardiplank	5/16	4.00	0.089" shank x 0.221" HD x 2" long galv. siding nail	Through overlap	2 x 4	16	0-15	150	115	100	130			150	120	95
							20	140	110	95	125			150	110	95
							40	130	105	90	115			140	100	90
							60	120	100	90	110			130	95	85
							100	110	90	85		80	70	105	80	70
Hardiplank	5/16	6.00	0.089" shank x 0.221" HD x 2" long galv. siding nail	Through overlap	2 x 4	16	0-15	120	90	85	110			140	95	80
							20	120	90	80	100			130	90	70
							40	105	80	75	90			110	85	70
							60	100	80	70	90			105	80	70
							100	90	75	70		-	-	90	-	-
Hardiplank	5/16	6.25	0.089" shank x 0.221" HD x 2" long galv. siding nail	Through overlap	2 x 4	16	0-15	120	90	80	100			140	95	70
							20	105	90	80	100			130	90	70
							40	105	85	70	90			110	80	70
							60	95	80	70	85			105	75	-
							100	90	75			-	-	90	-	-
Hardiplank	5/16	7.50	0.089" shank x 0.221" HD x 2" long galv. siding nail	Through overlap	2 x 4	16	0-15	110	80	70	90			120	85	70
							20	100	80	70	90			120	80	70
							40	90	75	-	80			100	75	-
							60	85	70	-	80			95	70	-
							100	80	70	-		-	-	75	-	-
Hardiplank	5/16	8.00	0.089" shank x 0.221" HD x 2" long galv. siding nail	Through overlap	2 x 4	16	0-15	100	80	70	90			120	80	70
							20	100	80	70	90			115	80	-
							40	90	70	-	80			100	70	-
							60	80	70	-	75			90	70	-
							100	75	-	-		-	-	70	-	-

Table 2b — MAXIMUM WIND SPEED

Product Type	Product (in.) Thick.	Product (in.) Width	Fastener Type	Fastener Spacing (in.)	Frame Type[1]	Stud Spacing (in.)	Height of Bldg (ft)	Maximum Basic Wind Speed (Mph) for Exposure Category: *Uniform Building Code* B	*Uniform Building Code* C	*Uniform Building Code* D	*Standard Building Code* < 60 ft	*Standard Building Code* C	*Standard Building Code* D	*BOCA National Building Code* B	*BOCA National Building Code* C	*BOCA National Building Code* D
Hardiplank	5/16	8.25	0.089" shank × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 4	16	0-15	100	80	70	90			120	80	-
							20	100	80	70	90			110	80	-
							40	90	70	-	80			100	70	-
							60	80	70	-	75			90	70	-
							100	75	-	-		-	-	70	-	-
Hardiplank	5/16	9.50	0.089" shank × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 4	16	0-15	100	70	-	80			110	75	-
							20	90	70	-	80			105	70	-
							40	80	-	-	75			90	-	-
							60	80	-	-	70			85	-	-
							100	70	-	-		-	-		-	-
Hardiplank	5/16	12.00	0.089" shank × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 4	16	0-15	90	-	-	70			100	70	-
							20	80	-	-	70			90	-	-
							40	70	-	-	-			80	-	-
							60	70	-	-	-			70	-	-
							100	-	-	-		-	-	-	-	-
Hardiplank	5/16	4.00	0.089" shank × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 4	24	0-15	120	90	80	110			140	95	80
							20	120	90	80	105			130	90	75
							40	105	85	75	90			110	85	70
							60	100	80	70	90			105	80	70
							100	90	75	-		-	-	90	-	-
Hardiplank	5/16	6.00	0.089" shank × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 4	24	0-15	100	70	-	90			115	80	-
							20	90	70	-	85			115	75	-
							40	85	70	-	75			90	70	-
							60	80	-	-	70			85	-	-
							100	70	-	-		-	-	70	-	-
Hardiplank	5/16	6.25	0.089" shank × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 4	24	0-15	100	70	-	85			110	75	-
							20	90	70	-	80			105	70	-
							40	85	-	-	75			90	-	-
							60	80	-	-	70			80	-	-
							100	70	-	-		-	-	70	-	-
Hardiplank	5/16	7.50	0.089" shank × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 4	24	0-15	90	70	-	80			105	70	-
							20	85	70	-	75			100	70	-
							40	80	-	-	70			85	-	-
							60	70	-	-	-			80	-	-
							100	70	-	-		-	-	-	-	-
Hardiplank	5/16	8.00	0.089" shank × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 4	24	0-15	80	-	-	70			100	-	-
							20	80	-	-	70			90	-	-
							40	75	-	-	-			80	-	-
							60	70	-	-	-			70	-	-
							100	-	-	-		-	-	-	-	-
Hardiplank	5/16	8.25	0.089" shank × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 4	24	0-15	80	-	-	70			100	-	-
							20	80	-	-	70			90	-	-
							40	75	-	-	-			80	-	-
							60	70	-	-	-			70	-	-
							100	-	-	-		-	-	-	-	-
Hardiplank	5/16	9.50	0.089" shank × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 4	24	0-15	80	-	-	70			90	-	-
							20	70	-	-	-			80	-	-
							40	-	-	-	-			70	-	-
							60	-	-	-	-			70	-	-
							100	-	-	-		-	-	-	-	-
Hardiplank	5/16	12.00	0.089" shank × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 4	24	0-15	70	-	-	-			80	-	-
							20	-	-	-	-			80	-	-
							40	-	-	-	-			-	-	-
							60	-	-	-	-			-	-	-
							100	-	-	-		-	-	-	-	-
Hardiplank	5/16	4.00	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	16	0-15	150	130	110	150			150	130	110
							20	150	120	110	140			150	130	105
							40	140	115	100	130			150	115	100
							60	140	110	100	120			140	110	95
							100	125	100	95		90	80	110	90	80

Table 2b — MAXIMUM WIND SPEED

Product Type	Product (in.) Thick.	Product (in.) Width	Fastener Type	Fastener Spacing (in.)	Frame Type[1]	Stud Spacing (in.)	Height of Bldg (ft)	Maximum Basic Wind Speed (Mph) for Exposure Category: *Uniform Building Code* B	*Uniform Building Code* C	*Uniform Building Code* D	*Standard Building Code* < 60 ft	*Standard Building Code* C	*Standard Building Code* D	*BOCA National Building Code* B	*BOCA National Building Code* C	*BOCA National Building Code* D
Hardiplank	5/16	6.00	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	16	0-15	130	100	80	110			150	100	80
							20	120	95	80	110			140	95	80
							40	110	90	80	100			120	90	75
							60	100	85	75	90			110	85	70
							100	95	80	70		75	-	90	75	-
Hardiplank	5/16	6.25	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	16	0-15	120	90	80	110			140	100	80
							20	120	90	80	100			130	95	75
							40	105	80	75	95			115	85	70
							60	100	80	70	90			110	70	70
							100	90	75	70		70	-	95	70	-
Hardiplank	5/16	7.50	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	16	0-15	110	85	75	100			130	90	70
							20	110	80	70	95			120	85	70
							40	95	80	70	85			105	80	-
							60	90	75	-	80			95	70	-
							100	80	70	-		-	-	85	-	-
Hardiplank	5/16	8.00	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	16	0-15	100	80	70	90			120	85	70
							20	100	80	70	90			115	80	70
							40	90	75	-	80			100	75	-
							60	80	70	-	80			90	70	-
							100	80	-	-		-	-	80	-	-
Hardiplank	5/16	8.25	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	16	0-15	100	80	70	90			120	80	70
							20	100	80	-	90			115	80	-
							40	90	75	-	80			100	70	-
							60	80	75	-	75			90	70	-
							100	75	-	-		-	-	80	-	-
Hardiplank	5/16	9.50	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	16	0-15	100	75	-	80			110	80	-
							20	90	70	-	80			110	75	-
							40	80	-	-	70			90	70	-
							60	80	-	-	70			80	-	-
							100	70	-	-		-	-	-	-	-
Hardiplank	5/16	12.00	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	16	0-15	90	-	-	70			100	70	-
							20	80	-	-	70			90	-	-
							40	75	-	-	-			80	-	-
							60	70	-	-	-			70	-	-
							100	-	-	-		-	-	-	-	-
Hardiplank	5/16	4.00	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	24	0-15	140	105	95	120			150	110	90
							20	130	100	90	115			150	105	85
							40	120	95	85	105			130	95	80
							60	115	90	80	100			120	90	75
							100	105	85	80		75	-	95	75	-
Hardiplank	5/16	6.00	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	24	0-15	100	80	70	90			120	80	-
							20	100	80	-	90			110	80	-
							40	90	70	-	80			100	70	-
							60	85	70	-	75			90	70	-
							100	75	-	-		-	-	75	-	-
Hardiplank	5/16	6.25	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	24	0-15	100	80	70	90			120	70	-
							20	100	75	-	85			110	70	-
							40	90	70	-	80			95	-	-
							60	85	-	-	75			85	-	-
							100	75	-	-		-	-	70	-	-
Hardiplank	5/16	7.50	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	24	0-15	90	70	-	80			100	70	-
							20	90	-	-	75			100	70	-
							40	80	-	-	70			85	-	-
							60	70	-	-	-			75	-	-
							100	-	-	-		-	-	-	-	-
Hardiplank	5/16	8.00	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	24	0-15	90	-	-	80			100	70	-
							20	85	-	-	75			100	70	-
							40	75	-	-	70			80	-	-
							60	70	-	-	-			75	-	-
							100	-	-	-		-	-	-	-	-

Table 2b — MAXIMUM WIND SPEED

Product Type	Product (in.)		Fastener Type	Fastener Spacing (in.)	Frame Type[1]	Stud Spacing (in.)	Height of Bldg (ft)	Maximum Basic Wind Speed (Mph) for Exposure Category								
								Uniform Building Code			*Standard Building Code*			*BOCA National Building Code*		
	Thick.	Width						B	C	D	< 60 ft	C	D	B	C	D
Hardiplank	5/16	8.25	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	24	0-15	85	-	-	70			100	70	-
							20	85	-	-	70			95	-	-
							40	70	-	-	-			85	-	-
							60	70	-	-	-			75	-	-
							100	-	-	-		-	-	-	-	-
Hardiplank	5/16	9.50	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	24	0-15	80	-	-	70			90	-	-
							20	80	-	-	70			90	-	-
							40	70	-	-	-			75	-	-
							60	-	-	-	-			70	-	-
							100	-	-	-	-	-	-	-	-	-
Hardiplank	5/16	12.00	0.093" shank × 0.222" HD × 2" long galv. siding nail	Through top edge of plank	2 × 4	24	0-15	70	-	-	-			70	-	-
							20	-	-	-	-			80	-	-
							40	-	-	-	-			-	-	-
							60	-	-	-	-			-	-	-
							100	-	-	-	-	-		-	-	-
Hardiplank	5/16	9.50	0.091" shank, 0.221" HD, 1.5" long corrosion resistant nail	Face nailed through the overlap @ 12" o.c.	7/16" thick APA rated OSB sheathing or equivalent solid sheathing	-	0-15	100	80	-	90			115	80	-
							20	95	75	-	85			110	75	-
							40	85	70	-	80	-		90	70	-
							60	80	-	-	75	-		85	-	-
							100	70	-	-	-	-		70	-	
												-				
												-	-			

Notes to Table 2b:

1. Values are for species of wood having a specific gravity of 0.42 or greater, unless otherwise noted.

Table 3 — SHEAR VALUES ALLOWABLE LOADS IN POUNDS PER LINEAL FOOT FOR PANEL SHEAR WALLS[1,2]

Product Type	Product Thickness (inch)	Fastener Type	Fastener Spacing (inch)	Frame Types	Stud Spacing (inch)	Shear Value (plf)
Hardiflex Hardisoffit	3/16	4d common 1-1/2 in. long	6	2 × 4 wood[5]	16	145
Hardipanel Hardiflex Hardisoffit	1/4	4d common 1-1/2 in. long	8	2 × 4 wood[5]	16 & 24	120
Hardibacker Titan	1/4	0.086 in. × 1-3/8 in. long gypsum wall board nail	6	2 × 4 wood[5]	16 & 24	140
Hardipanel Hardiflex	1/4	6d common 2 in. long	6	2 × 4 wood[5]	16	190
Hardipanel Hardiflex Harditex Hardibacker Titan	1/4	No. 11 ga. 1-1/4 in. long galvanized roofing nail	6	2 × 4 wood[5]	16 & 24	180
Hardipanel Hardiflex Harditex Hardibacker Titan	1/4	No. 11 ga. 1-1/4 in. long galvanized roofing nail	4 edge 12 field	2 × 4 wood[5]	16 & 24	265
Hardipanel Hardiflex Harditex Hardibacker Titan	1/4	No. 11 ga. 1-1/4 in. long galvanized roofing nail	3 edge 6 field	2 × 4 wood[5] w/48 in. mid-height block	16 & 24	295
Shiplap	5/16	0.092 in. shank, 0.225 in. HD, 2 in. long ring shank nail	3 edge 8 field	2 × 4 wood[4]	16	268
Shiplap	5/16	0.092 in. shank, 0.225 in. HD, 2 in. long ring shank nail	4 edge 8 field	2 × 4 wood[4]	16	238
Shiplap	5/16	0.092 in. shank, 0.225 in. HD, 2 in. long ring shank nail	5 edge 8 field	2 × 4 wood[4]	16	208
Shiplap	5/16	0.092 in. shank, 0.225 in. HD, 2 in. long ring shank nail	6 edge 8 field	2 × 4 wood[4]	16	179
Shiplap	5/16	0.092 in. shank, 0.225 in. HD, 2 in. long ring shank nail	7 edge 8 field	2 × 4 wood[4]	16	149
Shiplap	5/16	0.092 in. shank, 0.225 in. HD, 2 in. long ring shank nail	8 edge 8 field	2 × 4 wood[4]	16	119
Hardipanel Hardiflex	5/16	0.091 in. shank, 0.225 in. HD, 1.5 in. long ring shank nail	4 edge 8 field	2 × 4 wood[3]	16	198
Hardipanel Hardiflex	5/16	4d common 1-1/2 in. long	8	2 × 4 wood[5]	16 & 24	120
Hardipanel Hardiflex	5/16	6d common 2 in. long	6	2 × 4 wood[5]	16	200
Hardipanel Hardiflex	5/16	6d common 2 in. long	6	2 × 4 wood[5]	24	153
Hardipanel Hardiflex	5/16	6d common 2 in. long	4	2 × 4 wood[5]	16	233
Hardipanel Hardiflex	5/16	6d common 2 in. long	4	2 × 4 wood[5]	24	212
Hardipanel Hardiflex	5/16	6d common 2 in. long	6 edge 12 field	2 × 4 wood[5]	16	157
Hardipanel Hardiflex	5/16	6d common 2 in. long	6 edge 12 field	2 × 4 wood[5]	24	145
Hardipanel Hardiflex Harditex Hardibacker	5/16	No. 11 ga. 1-1/2 in. long galvanized roofing nail	6	2 × 4 wood[5]	16	200
Hardipanel Hardiflex Harditex Hardibacker	5/16	No. 11 ga. 1-1/2 in. long galvanized roofing nail	4 edge 12 field	2 × 4 wood[5]	16	280

Table 3 — SHEAR VALUES ALLOWABLE LOADS IN POUNDS PER LINEAL FOOT FOR PANEL SHEAR WALLS[1,2]

Product Type	Product Thickness (inch)	Fastener Type	Fastener Spacing (inch)	Frame Types	Stud Spacing (inch)	Shear Value (plf)
Hardipanel Hardiflex Harditex Hardibacker	5/16	No. 11 ga. 1-1/2 in. long galvanized roofing nail	3 edge 6 field	2 × 4 wood[5] w/48 in. mid-height block	16	340
Hardiflex Hardipanel Harditex Hardibacker Titan	7/16	No. 11 ga. 1-3/4 in. long galvanized roofing nail	6	2 × 4 wood[5]	16	280
Hardiflex Hardisoffit	3/16	Min. No. 8 x 1 in. long × 0.323 in. HD ribbed buglehead screws	6	Min. No. 20 ga. × 3-5/8 in. × 1-3/8 in. metal C-stud	16	140[6]
Hardipanel Hardiflex Harditex Hardibacker Titan	1/4	Min. No. 8 x 1 in. long × 0.323 in. HD ribbed buglehead screws	6	Min. No. 20 ga. × 3-5/8 in. × 1-3/8 in. metal C-stud	16 & 24	125[6]
Hardipanel Hardiflex Harditex Hardibacker	5/16	Min. No. 8 x 1 in. long × 0.323 in. HD ribbed buglehead screws	6	Min. No. 20 ga. × 3-5/8 in. × 1-3/8 in. metal C-stud	16	160[6]
Hardipanel Hardiflex Harditex Hardibacker Titan	7/16	Min. No. 8 x 1 in. long × 0.311 in. HD ribbed buglehead screws	6	Min. No. 20 ga. × 3-5/8 in. ×1-3/8 in. metal C-stud	16	162[6]
Hardipanel Hardiflex Harditex	5/16	ET & F 1-1/2 in. long × 0.10" knurled shank × 0.25" HD pin fastener (AKN100-0150NA)	4 edge 8 field	Min. No. 20 ga. × 3-5/8 in. × 1-3/8 in. metal C-stud	16	154
Hardipanel Hardiflex Harditex	5/16	ET & F 1-1/2 in. long × 0.10" knurled shank × 0.25" HD pin fastener (AKN100-0150NA)	4 edge 8 field	Min. No. 20 ga. × 3-5/8 in. × 1-3/8 in. metal C-stud	24	133

1. All board edges shall be supported by framing. Panels shall be applied with the long dimension either parallel or perpendicular to studs.
2. The maximum height-to-length ratio for construction in this Table is 2:1.
3. Values are for species of wood having a specific gravity of 0.36 or greater.
4. Values are for species of wood having a specific gravity of 0.40 or greater.
5. Values are for species of wood having a specific gravity of 0.42 or greater, unless otherwise noted.
6. Under the *Uniform Building Code*™, these steel-framed assemblies are limited to wind load resistance only.
7. 1 inch = 25.4 mm, 1plf = 14.59 N/m

Table 4 — "K" and "R" VALUES FOR FIBER-CEMENT PRODUCTS

Product Thickness[3] (inch)	Thermal Conductivity[1] K_{off} = Btu/hr-ft²-°F	Thermal Resistance[1] R = 1/K_{off}	Actual Thermal Conductivity[2] (K_{off})	Actual Thermal Resistance[2] ®)
1/4	1.95	0.51	7.80	0.13
5/16	2.07	0.48	6.62	0.15
3/8	2.18	0.46	5.81	0.17
13/32	8.39	0.12	20.07	0.05
7/16	2.30	0.44	5.26	0.19

Notes to Table 4:
1. Based on 1 inch of panel thickness.
2. Actual value for panel thickness shown.
3. SI units conversion: 1 inch = 25.4 mm, 1 Btu/h-ft²-°F = 5.678 W/m²-K

Table 5 — PERMEANCE VALUES FOR FIBER-CEMENT PRODUCTS

Product Thickness[1] (inch)	Permeance (perms)
1/4	1.75
5/16	1.54
3/8	1.32
13/32	2.84
7/16	1.10

Note to Table 5:
1. SI units conversion: 1 inch = 25.4 mm, 1 perm = 57 mg/(s•m²•Pa)

Table 6A
BOCA® *National Building Code*/1999
ALLOWABLE BASIC WIND SPEEDS (MILES PER HOUR) FOR HARDISHINGLE™ CLADDING EXTERIOR WALL FINISH

Sheathing Type	Fastener Type	Weather Exposure and Fastener Location	Height of Building (feet)	Exposure Category	
				B	C
Minimum 15/32 inch thick plywood complying with DOC PS 1-95	Min. 0.121 in. shank x 0.371 in. HD x 1-1/4 in. long corrosion resistant roofing nail	8 inch exposure 2 roofing nails 9 inches from butt edge	0-15 20 40 60 100 200	110 110 110 110 80 70	95 90 80 75
		7 inch exposure 2 roofing nails 8 inches from butt edge	0-15 20 40 60 100 200	110 110 110 110 95 80	110 105 95 90 75 70
		6 inch exposure 2 roofing nails 7 inches from butt edge	0-15 20 40 60 100 200	110 110 110 110 105 90	110 110 105 100 85 75

Table 6B
SBCCI - 1999 *Standard Building Code*©
ALLOWABLE BASIC WIND SPEEDS (MILES PER HOUR) FOR HARDISHINGLE™ CLADDING EXTERIOR WALL FINISH

Sheathing Type	Fastener Type	Weather Exposure and Fastener Location	Height of Building (feet)	Exposure Category	
				Standard	Coastal
Minimum 15/32 inch thick plywood complying with DOC PS 1-95	Min. 0.121 in. shank x 0.371 in. HD x 1-1/4 in. long corrosion resistant roofing nail	8 inch exposure 2 roofing nails 9 inches from butt edge	0-15 20 40 60	105 100 90 85	105 100 90 85
		7 inch exposure 2 roofing nails 8 inches from butt edge	0-20 40 60	110 100 95	110 100 95
		6 inch exposure 2 roofing nails 7 inches from butt edge	0-60 100 200	110 75 70	110 75 70

Table 6C
ICBO - 1997 *Uniform Building Code*™
ALLOWABLE BASIC WIND SPEEDS (MILES PER HOUR) FOR HARDISHINGLE™ CLADDING EXTERIOR WALL FINISH

Sheathing Type	Fastener Type	Weather Exposure and Fastener Location	Height of Building (feet)	Exposure Category	
				B	C
Minimum 15/32 inch thick plywood complying with DOC PS 1-95	Min. 0.121 in. shank x 0.371 in. HD x 1-1/4 in. long corrosion resistant roofing nail	8 inch exposure 2 roofing nails 9 inches from butt edge	0-20 40 60 100 200	110 100 95 90 80	90 80 75 70 70
		7 inch exposure 2 roofing nails 8 inches from butt edge	0-20 40 60 100 200	110 110 110 105 95	105 95 90 85 80
		6 inch exposure 2 roofing nails 7 inches from butt edge	0-20 40 60 100 200	110 110 110 110 100	110 105 100 95 90

Notes to Tables 6A, 6B and 6C:
1. Table values are based on an importance factor of 1.0
2. 1 foot = 305 mm, 1 inch = 25.4 mm, 1 mph = 1.6 km/h

Table 7A
BOCA® *National Building Code*/1999
ALLOWABLE BASIC WIND SPEEDS (MILES PER HOUR) FOR
HARDISHINGLE™ CLADDING EXTERIOR WALL FINISH

Sheathing Type	Fastener Type	Weather Exposure and Fastener Location	Height of Building (feet)	Exposure Category	
				B	C
Minimum 7/16 inch thick OSB sheathing complying with DOC-PS 2-95	Min. 0.091 in. shank x 0.221 in. HD x 1-1/2 in. long corrosion resistant siding nail	8 inch exposure 2 siding nails 9 inches from butt edge	0-15 20 40 60	110 110 90 85	75 75 70
		7 inch exposure 2 siding nails 8 inches from butt edge	0-15 20 40 60	110 110 105 100	90 85 80 75
		6 inch exposure 2 siding nails 7 inches from butt edge	0-15 20 40 60 100 200	110 110 110 110 85 75	100 95 90 80 70

Table 7B
SBCCI - 1999 *Standard Building Code*©
ALLOWABLE BASIC WIND SPEEDS (MILES PER HOUR) FOR
HARDISHINGLE™ CLADDING EXTERIOR WALL FINISH

Sheathing Type	Fastener Type	Weather Exposure and Fastener Location	Height of Building (feet)	Exposure Category	
				Standard	Coastal
Minimum 7/16 inch thick OSB sheathing complying with DOC-PS 2-95	Min. 0.091 in. shank x 0.221 in. HD x 1-1/2 in. long corrosion resistant siding nail	8 inch exposure 2 siding nails 9 inches from butt edge	0-20 40 60	85 75 70	85 75 70
		7 inch exposure 2 siding nails 8 inches from butt edge	0-15 20 40 60	100 95 85 80	100 95 85 80
		6 inch exposure 2 siding nails 7 inches from butt edge	0-20 40 60 100	110 105 100 70	110 105 100 70

Table 7C
ICBO - 1997 *Uniform Building Code*™
ALLOWABLE BASIC WIND SPEEDS (MILES PER HOUR) FOR
HARDISHINGLE™ CLADDING EXTERIOR WALL FINISH

Sheathing Type	Fastener Type	Weather Exposure and Fastener Location	Height of Building (feet)	Exposure Category	
				B	C
Minimum 7/16 inch thick OSB sheathing complying with DOC-PS 2-95	Min. 0.091 in. shank x 0.221 in. HD x 1-1/2 in. long corrosion resistant siding nail	8 inch exposure 2 siding nails 9 inches from butt edge	0-15 20 40 60 100	100 90 85 80 70	75 70
		7 inch exposure 2 siding nails 8 inches from butt edge	0-15 20 40 60 100 200	110 110 100 90 85 70	90 85 80 75 70
		6 inch exposure 2 siding nails 7 inches from butt edge	0-20 40 60 100 200	110 110 105 80 70	95 85 80

Notes to Tables 7A, 7B, and 7C:

1. Table values are based on an importance factor of 1.0
2. 1 foot = 305 mm, 1 inch = 25.4 mm, 1 mph = 1.6 km/h

Table 8A
BOCA® *National Building Code*/1999
ALLOWABLE BASIC WIND SPEEDS (MILES PER HOUR) FOR HARDISHINGLE™ CLADDING EXTERIOR WALL FINISH

Sheathing Type	Fastener Type	Weather Exposure and Fastener Location	Height of Building (feet)	Exposure Category	
				B	C
Minimum 7/16 inch thick OSB sheathing complying with DOC-PS 2-95	Min. 0.091 in. shank x 0.221 in. HD x 1-1/2 in. long corrosion resistant siding nail	8 in. exposure 3 siding nails per 12 in. wide, 9 in. from butt edge, 2 siding nails per 6 & 8 in. wide	0-15 20 40 60 100	110 110 100 95 75	90 85 75 70
		7 in. exposure 3 siding nails per 12 in. wide, 8 inches from butt edge, 2 siding nails per 6 & 8 in. wide	0-15 20 40 60 100 200	110 110 110 110 90 80	105 100 90 85 70
		6 in. exposure 3 siding nails per 12 in. wide, 7 inches from butt edge, 2 siding nails per 6 & 8 in. wide	0-20 40 60 100 200	110 110 110 100 85	110 100 90 80 70

Table 8B
SBCCI - 1999 *Standard Building Code*®
ALLOWABLE BASIC WIND SPEEDS (MILES PER HOUR) FOR HARDISHINGLE™ CLADDING EXTERIOR WALL FINISH

Sheathing Type	Fastener Type	Weather Exposure and Fastener Location	Height of Building (feet)	Exposure Category	
				Standard	Coastal
Minimum 7/16 inch thick OSB sheathing complying with DOC-PS 2-95	Min. 0.091 in. shank x 0.221 in. HD x 1-1/2 in. long corrosion resistant siding nail	8 in. exposure 3 siding nails per 12 in. wide, 9 in. from butt edge, 2 siding nails per 6 & 8 in. wide	0-15 20 40 60	100 95 85 80	100 95 85 80
		7 in. exposure 3 siding nails per 12 in. wide, 8 inches from butt edge, 2 siding nails per 6 & 8 in. wide	0-15 20 40 60	110 105 95 90	110 105 95 90
		6 in. exposure 3 siding nails per 12 in. wide, 7 inches from butt edge, 2 siding nails per 6 & 8 in. wide	0-15 20 40 60 100	110 110 110 105 70	110 110 110 105 70

Table 8C
ICBO - 1997 *Uniform Building Code*™
ALLOWABLE BASIC WIND SPEEDS (MILES PER HOUR) FOR HARDISHINGLE™ CLADDING EXTERIOR WALL FINISH

Sheathing Type	Fastener Type	Weather Exposure and Fastener Location	Height of Building (feet)	Exposure Category	
				B	C
Minimum 7/16 inch thick OSB sheathing complying with DOC-PS 2-95	Min. 0.091 in. shank x 0.221 in. HD x 1-1/2 in. long corrosion resistant siding nail	8 in. exposure 3 siding nails per 12 in. wide, 9 in. from butt edge, 2 siding nails per 6 & 8 in. wide	0-15 20 40 60 100 200	110 110 100 90 80 70	85 80 75 70 70
		7 in. exposure 3 siding nails per 12 in. wide, 8 inches from butt edge, 2 siding nails per 6 & 8 in. wide	0-15 20 40 60 100 200	110 110 110 110 100 90	110 105 100 95 80 75
		6 in. exposure 3 siding nails per 12 in. wide, 7 inches from butt edge, 2 siding nails per 6 & 8 in. wide	0-15 20 40 60 100 200	110 110 110 110 105 95	110 105 100 95 90 85

Notes to Tables 8A, 8B, and 8C:
1. Table values are based on an importance factor of 1.0
2. 1 foot = 305 mm, 1 inch = 25.4 mm, 1 mph = 1.6 km/h

Table 9A
SBCCI - 1999 *Standard Building Code*©
Allowable Fastener Spacing (in.)
Hardiplank Lap Siding fastened to ASTM C 90 Concrete Wall

Height of Building (feet)	6-1/4 and 6 inch wide Hardiplank	7-1/2 inch wide Hardiplank	8-1/4 and 8 inch wide Hardiplank	9-1/2 inch wide Hardiplank
0-15	18.25	14.5	13.75	11.5
20	16.5	13.25	12.25	10.5
30	14.75	11.75	11	9.25
40	13.5	10.75	10.25	8.5
50	12.75	10.25	9.5	8
60	12.25	9.75	9	7.5

Table 9B
BOCA® *National Building Code*/1999
Allowable Fastener Spacing (in.)
Hardiplank Lap Siding fastened to ASTM C 90 Concrete Wall

Height of Building (feet)	6-1/4 and 6 inch wide Hardiplank		7-1/2 inch wide Hardiplank		8-1/4 and 8 inch wide Hardiplank		9-1/2 inch wide Hardiplank	
	Exposure B	Exposure C	Exposure B	Exposure C	Exposure B	Exposure C	Exposure B	Exposure C
0-15	24.0	15.0	24.0	12.0	24.0	11.25	20.25	9.5
20	24.0	13.75	23.0	11.0	21.5	10.25	18.25	8.75
40	21.0	11.25	16.75	9.0	15.75	8.5	13.25	7.25
60	17.75	10.0	14.25	8.0	13.25	7.5	11.25	6.25
100	14.0	8.75	11.25	7.0	10.5	6.5	8.75	5.5

Table 9C
ICBO - 1997 *Uniform Building Code*™
Allowable Fastener Spacing (in.)
Hardiplank Lap Siding fastened to ASTM C 90 Concrete Wall

Height of Building (feet)	6-1/4 and 6 inch wide Hardiplank		7-1/2 inch wide Hardiplank		8-1/4 and 8 inch wide Hardiplank		9-1/2 inch wide Hardiplank	
	Exposure B	Exposure C	Exposure B	Exposure C	Exposure B	Exposure C	Exposure B	Exposure C
0-15	24.0	14.25	19.25	11.25	18.0	10.5	15.25	9.0
20	22.5	13.25	18.0	10.5	16.75	9.75	14.25	8.25
40	17.75	11.5	14.25	9.25	13.5	8.5	11.25	7.25
60	15.75	10.5	12.75	8.5	11.75	8.0	10.0	6.75
100	13.25	9.25	10.5	7.5	9.75	7.0	8.25	5.75

Notes to Table 9A, 9B, and 9C:

1. Fasteners shall be ET&F Fastening Systems, Inc. Erico Stud nail, ET & F No. ASM-144-125, head dia. = 0.30 in., shank dia. = 0.14 in.
2. Maximum basic wind speed shall be 110 mph.
3. Exposure Category C (for Table 9A).
4. 1 inch = 25.4 mm, 1 foot = 305 mm.

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection ☐ Mon ☐ Tue ☒ Wed ☐ Thur ☐ Fri 8-5 2009 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9188	Lerner	roof dry-in		
1st	31 Ettlight Pt		Pass	
	OB			INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9181	Hardin	steel + tie beam		
10:30	27 S River		Pass	
	Stratton			INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9205	Kelso	[redacted]	[redacted]	
	18 Rio Vista			Pass
	Seneca			INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
Tree	39 N River Rd	Tree		
			Pending	
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT – INSPECTION LOG

Date of Inspection ☐ Mon ☐ Tue ☐ Wed ☒ Thur ☐ Fri 8-20 2009 Page 1 of ___

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9205	[redacted]	~~Final~~ siding		
	18 Rio Vista	[redacted]	PASS	
	Sanco			INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
Tree	20 N River Rd	Tree		
			PASS	
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9227	Foster	buck attachment		
8:30	7 Timor St		PASS	
	Natl Flow			INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9000	CO2	draft stop	PASS	
10:30	4 River Oak	INSULATION	PASS	
	SDH			INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
	River Oak	Landscaping		
			PASS	
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9204	Morales	tin tag	PASS	
2PM	10 N Ridgeview	dry in	PASS	
	Seaside Roof			INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

TOWN OF SEWALLS POINT

Building Department - Inspection Log

Date of Inspection ☐ Mon ☐ Tue ☐ Wed ☒ Thur ☐ Fri 9-10 2009 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9237	Schneider	Roof Final		
	9 Rio Vista Dr		Pass	Close
	Cardinal Roof.			INSPECTOR [signature]

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9305	[illegible]	Final [illegible]		[illegible]
	18 Rio Vista	[illegible]	Pass	
	Sunco Const			INSPECTOR [signature]

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

10468

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:	10468	DATE ISSUED:	JUNE 3, 2013
SCOPE OF WORK:	AC CHANGEOUT		
CONTRACTOR:	CLASSIC COOLING		
PARCEL CONTROL NUMBER:	123841002-000-007206	SUBDIVISION	RIO VISTA – LOT 72
CONSTRUCTION ADDRESS:	18 RIO VISTA DR		
OWNER NAME:	KELSO		
QUALIFIER:	STEPHEN STRAIT	CONTACT PHONE NUMBER:	283-8710

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 PERMIT APPLICATION

Date: 5-31-13 Permit Number: ______

OWNER/LESSEE NAME: David Kelso Phone (Day) 286-3092 (Fax) ______

Job Site Address: 18 Rio Vista Dr. City: Stuart State: Fl Zip: 34996

Legal Description ______ Parcel Control Number: ______

Fee Simple Holder Name: ______ Address: ______

City: Stuart State: Fl Zip: 34996 Telephone: ______

*SCOPE OF WORK (PLEASE BE SPECIFIC): A/C 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: $ 4000.00
(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 ___ 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

ok

Construction Company: Classic Cooling Phone: 283-8710 Fax: 283-8735

Qualifiers name: Stephen A Strait Street: 1258 SW 34th St City: Palm City State: Fl Zip: 34990

State License Number: CAC024403 OR: Municipality: ______ License Number: ______

LOCAL CONTACT: Stephen A. Strait Phone Number: 283-8710

DESIGN PROFESSIONAL: ______ Fla. License# ______

Street: ______ City: ______ State: ______ Zip: ______ Phone Number: ______

RECEIVED MAY 31 2013 Sewall's Point To...

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:

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. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION.
2. 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.
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 50-95.
4. 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 away will be in Mon to sign

OWNER/AGENT/LESSEE - NOTARIZED SIGNATURE:	CONTRACTOR/LICENSEE NOTARIZED SIGNATURE:
X [signature]	X [signature]
State of Florida, County of: Martin	State of Florida, County of: Martin
On This the 3 day of June, 2013	On This the 31 day of May, 2013
by H DAVID KELSO who is personally	by Stephen A Strait who is personally
known to me or produced FLDL#K420-364-42-4520	known to me or produced FLDL#S363-781-54-3680
As identification. [signature] Notary Public	As identification. [signature] Notary Public
My Commission Expires: ______	My Commission Expires: ______

Notary stamps: VALERIE CAMLET, Notary Public, State of Florida, Commission Expires May 14, 2014, Bonded thru Notary Public Underwriters

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: Trane Model# TEM4A0B24

Volts 230 CFM's 800 Heat Strip 5 Kw

Min. Circuit Amps 20 Wire gauge 8

Max. Breaker size 30 Min. Breaker size 30

Ref. line size: Liquid 3/8 Suction 5/8

Refrigerant type R410

Location: Existing ✓ New ____

Attic/Garage/Closet (specify) Attic

Access: Master Bedroom Closet

Condenser: Mfg Trane Model# 4TTB3024E1

Volts 230 SEER/EER 13.0 BTU's 24,000

Min. Circuit Amps 12 Wire gauge 10

Max. Breaker size 20 Min. Breaker size 20

Ref. line size: Liquid 3/8 Suction 5/8

Refrigerant type R410

Location: Existing ✓ New ____

Left/Right/Rear/Front/Roof Left Side

Condensate Location By unit

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

EXISTING SYSTEM COMPONENTS

Air handler: Mfg: Trane Model# 2TEM3B24

Volts 230 CFM's 800 Heat Strip 5 Kw

Min. Circuit Amps 20 Wire gauge 8

Max. Breaker size ____ Min. Breaker size ____

Ref. line size: Liquid 3/8 Suction 5/8

Refrigerant type R22

Location: Ext. ✓ New ____

Attic/Garage/Closet (specify) Attic

Access: Master Bedroom Closet

Condenser: Mfg Trane Model# TTR024C

Volts 230 SEER/EER 10 BTU's 24,000

Min. Circuit Amps 20 Wire gauge 10

Max. Breaker size 25 Min. Breaker size 20

Ref. line size: Liquid 3/8 Suction 5/8

Refrigerant type R22

Location: Ext. ✓ New ____

Left/Right/Rear/Front/Roof Left Side

Condensate Location By unit

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] 5-31-13

Signature Date

AHRI CERTIFIED™
www.ahridirectory.org

Certificate of Product Ratings

AHRI Certified Reference Number: 4935895 Date: 5/30/2013

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

Outdoor Unit Model Number: 4TTB3024E1

Indoor Unit Model Number: *AM4A0A24S21+TDR

Manufacturer: TRANE

Trade/Brand name: XB13

Manufacturer responsible for the rating of this system combination is TRANE

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):	24000
EER Rating (Cooling):	11.00
SEER Rating (Cooling):	13.00

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

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 below.

AHRI Air-Conditioning, Heating, and Refrigeration Institute

CERTIFICATE NO.: 130143942200110104

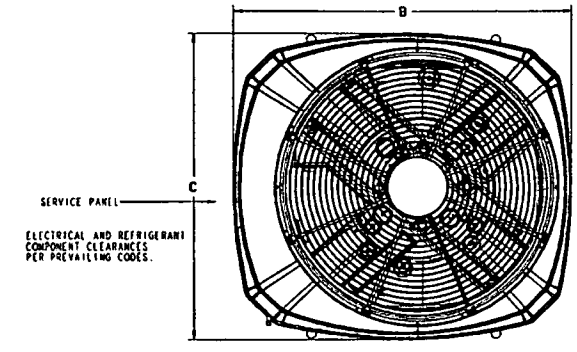
TRANE

2TTB3024-SUB-101.03

TAG: _____

SUBMITTAL

NOTE: All dimensions are in mm/inches.



TOP DISCHARGE AREA SHOULD BE UNRESTRICTED FOR AT LEAST 1524 (5 FEET) ABOVE UNIT. UNIT SHOULD BE PLACED SO ROOF RUN-OFF WATER DOES NOT POUR DIRECTLY ON UNIT, AND SHOULD BE AT LEAST 305 (12") FROM WALL AND ALL SURROUNDING SHRUBBERY ON TWO SIDES. OTHER TWO SIDES UNRESTRICTED.

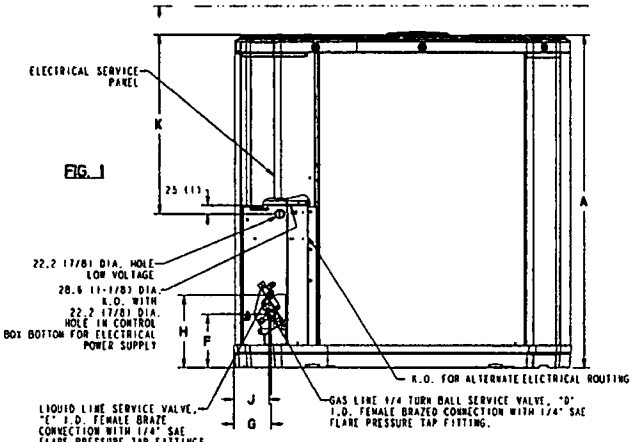


FIG. 1

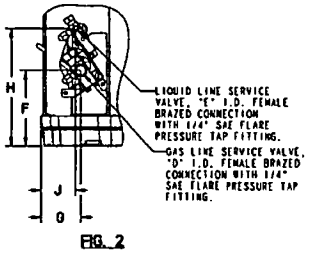


FIG. 2

2 Ton Split System Cooling — 1 Phase

2TTB3024A

Product Specifications

OUTDOOR UNIT ①②	2TTB3024A1000C
POWER CONNS. — V/PH/HZ ③	208/230/1/60
MIN. BRCH. CIR. AMPACITY	12
BR CIR PROT RTG – MAX. (AMPS)	20
COMPRESSOR	RECIP
NO. USED - NO. SPEEDS	1 - 1
VOLTS/PH/HZ	200/230/1/60
R.L. AMPS ⑦ - L.R. AMPS	8.7 - 57.8
FACTORY INSTALLED	
START COMPONENTS ⑨	YES
INSUL/SOUND BLANKET	NO
COMPRESSOR HEAT	NO
OUTDOOR FAN	PROPELLER
DIA. (IN.) - NO. USED	19 - 1
TYPE DRIVE - NO. SPEEDS	DIRECT - 1
CFM @ 0.0 IN. W.G. ④	2500
NO. MOTORS - HP	1 - 1/8
MOTOR SPEED R.P.M.	1075
VOLTS/PH/HZ	200/230/1/60
F.L. AMPS	0.90
OUTDOOR COIL — TYPE	SPINE FIN™
ROWS - F.P.I.	1 - 24
FACE AREA (SQ. FT.)	15.86
TUBE SIZE (IN.)	3/8
REFRIGERANT	
LBS — R-22 (O.D. UNIT) ⑤	5 LBS., 2 OZ.
FACTORY SUPPLIED	NO
LINE SIZE - IN. O.D. GAS ⑥	3/4
LINE SIZE - IN. O.D. LIQ. ⑥	5/16
CHARGING SPECIFICATION	
SUBCOOLING	10°F
DIMENSIONS	H X W X D
CRATED (IN.)	37.2 x 26.7 x 30
WEIGHT	
SHIPPING (LBS.)	195
NET (LBS.)	175

① Certified in accordance with the Unitary Air-Conditioner equipment certification program which is based on AHRI Standard 210/240.
② Calculated in accordance with N.E.C. Use only HACR circuit breakers or fuses.
③ Standard line lengths - 60'. Standard lift - 60' Suction and Liquid line.
For Greater lengths and lifts refer to refrigerant piping software Publ# 32-3312-0*. (*denotes latest revision)

MODELS	BASE	FIG.	A	B	C	D	E	F	G	H	J	K
2TTB3024A	2	2	832 (32-3/4)	724 (28-1/2)	651 (25-5/8)	3/4	5/16	137 (5-3/8)	65 (2-5/8)	210 (8-1/4)	57 (2-1/4)	457 (18)

From Dwg. 21D153074 Rev. 10

A-weighted Sound Power Level [dB(A)]

MODEL	Product Mkt.	POWER LEVEL [dB(A)]	A-WEIGHTED FULL OCTAVE SOUND POWER LEVEL dB - [dB(A)]							
			63	125	250	500	1000	2000	4000	8000
2TTB3024A1	78	78	50.9	55.9	63.2	71.2	72	70.5	64.3	56.8

PRODUCT SPECIFICATIONS

PRODUCT SPECIFICATIONS

MODEL	TAM4A0A24S21SC
RATED VOLTS/PH/HZ.	208-230/1/60
RATINGS ①	See O.D. Specifications
INDOOR COIL — Type	Plate Fin
Rows — F.P.I.	3 - 14
Face Area (sq. ft.)	3.21
Tube Size (in.)	3/8
Refrigerant Control	EEV
Drain Conn. Size (in.) ②	3/4 NPT
DUCT CONNECTIONS	See Outline Drawing
INDOOR FAN — Type	Centrifugal
Diameter-Width (In.)	10 X 8
No. Used	1
Drive - No. Speeds	Direct - 3
CFM vs. in. w.g.	See Fan Performance Table
No. Motors — H.P.	1 - 1/4
Motor Speed R.P.M.	1075
Volts/Ph/Hz	208-230/1/60
F.L. Amps - L.R. Amps	1.3 - 2.6
FILTER	
Filter Furnished?	No
Type Recommended	Throwaway
No.-Size-Thickness	1 - 16 X 20 - 1 in.
REFRIGERANT	R-410A
Ref. Line Connections	Brazed
Coupling or Conn. Size — in. Gas	3/4
Coupling or Conn. Size — in. Liq.	3/8
DIMENSIONS	H x W x D
Crated (In.)	51 x 20 x 24-1/2
Uncrated	49-15/16 x 17-1/2 x 21-13/16
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	126/116

① These Air Handlers are A.H.R.I. certified with various Split System Air Conditioners and Heat Pumps (AHRI STANDARD 210/240). Refer to the Split System Outdoor Unit Product Data Guides for performance data.

② 3/4" Male Plastic Pipe (Ref.: ASTM 1785-76)

C ETL LISTED US
Intertek

AHRI CERTIFIED
www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240

AHRI CERTIFIED
www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240

TAM4A0A24S21SC MINIMUM HEATER AIRFLOW CFM		
Heater	Minimum Air Speed Tap	
	With Heat Pump	Without Heat Pump
BAYEAAC05BK1AA BAYEAAC05LG1AA	Tap 1	Tap 1
BAYEAAC08BK1AA BAYEAAC08LG1AA	Tap 1	Tap 1
BAYEAAC10BK1AA BAYEAAC10LG1AA	Tap 2 ①	Tap 1
BAYEAAC10LG3AA	Tap 3	Tap 1
BAYEABC15BK1AA	-	-
BAYEABC20BK1AA	-	-
SEE AIR HANDLER NAMEPLATE OR PRODUCT DATA FOR EXCEPTIONS ① Minimum Speed Tap is 3 for Horizontal Left only.		

Note: *Heating and cooling speeds are the same, factory set at Speed Tap #2.*

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

generated on 6/3/2013 9:19:54 AM EDT

Parcel ID	Account #	Unit Address	Market Total Value	Website Updated
12-38-41-002-000-00720-6	27585	18 RIO VISTA DR, SEWALL'S POINT	$203,160	6/1/2013

Owner Information

Owner(Current)	KELSO HARRY DAVID & MARJORIE LOU
Owner/Mail Address	18 RIO VISTA DR STUART FL 34996
Sale Date	3/6/2006
Document Book/Page	2118 1234
Document No.	1915212
Sale Price	0

Location/Description

Account #	27585	**Map Page No.**	SP-04
Tax District	2200	**Legal Description**	RIO VISTA S/D LOT 72
Parcel Address	18 RIO VISTA DR, SEWALL'S POINT		
Acres	.3760		

Parcel Type

Use Code	0100 Single Family
Neighborhood	120250 RIO VISTA DRY

Assessment Information

Market Land Value	$120,000
Market Improvement Value	$83,160
Market Total Value	$203,160

DesignStar Load Calculation

Results are intended for use with Rheem heating and cooling systems

The New Degree of Comfort™

Customer Information

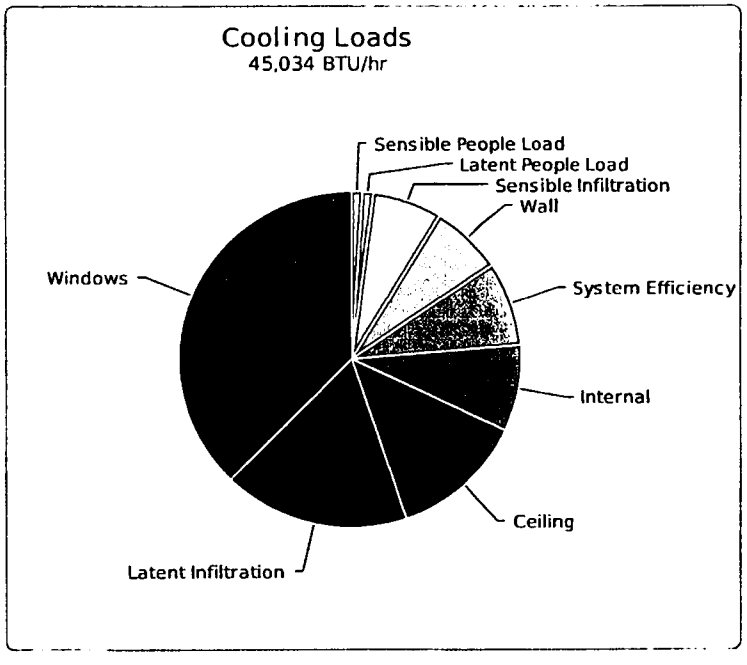
Street Address	18 Rio Vista Dr. Stuart, Fl., Stuart, FL 34996
Latitude, Longitude	26.6726°, -80.0706°
House Square Footage:	2180 sq. ft.
Name:	David Kelso
Phone:	
Email:	

House Information

SHR	.75
Number of residents	2
Ceiling height	9
Wall U-value | R-value	0.09 | 11
Floor U-value | R-value	0.2 | 5
Ceiling U-value | R-value	0.053 | 19
Window U-value	0.5
Window SHGF	0.85
Moisture grains	64
Duct loss %	10
Duct gain %	10
Cooling infiltraction (ACH)	0.6
Heating infiltration (ACH)	0.8
Winter ventilation	0
Summer ventilation	0

Cooling Loads

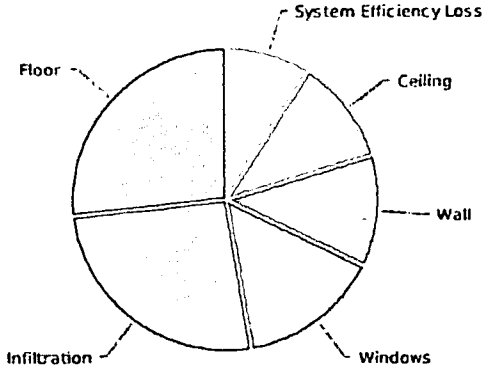
Area	Btuh	% of load
Wall	3078	6.8
Ceiling	5777	12.8
Windows	16928	37.6
Sensible Infiltration	3011	6.7
Latent Infiltration	7941	17.6
System Efficiency Gain	3673	8.2
Internal	3706	8.2
Sensible People Load	460	1
Latent People Load	460	1
Total:	45034	
Sensible load	36633	
Latent load	8401	
SHR	0.81	
Capacity at .75 SHR	4.07 Tons	



Heating Loads

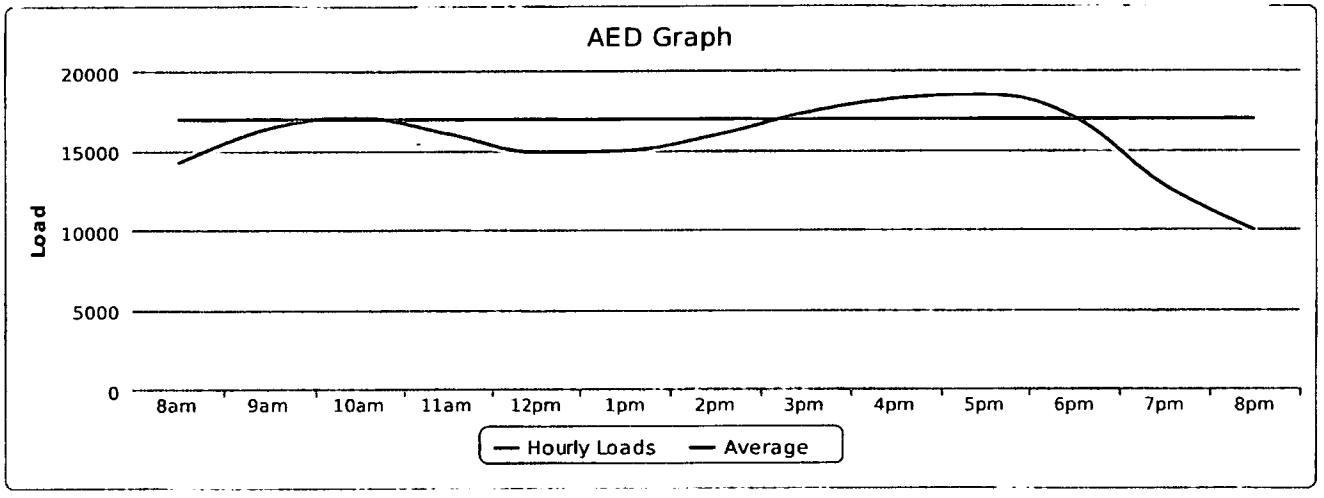
Area	Btuh	% of load
Wall	2831	11.9
Floor	6325	26.7
Ceiling	2657	11.2
Windows	3600	15.2
Infiltration	6155	25.9
System Efficiency Loss	2157	9.1
Total:	23725	

Heating Loads



NOTE:
Existing home has two split systems a three (3) ton system and a two (2) ton system. Will be replacing the two (2) ton system with a Trane two (2) ton 13 SEER system at this time.

Adequate Exposure Diversity



Equipment selection

System equipment selection will be made using the following derived values.

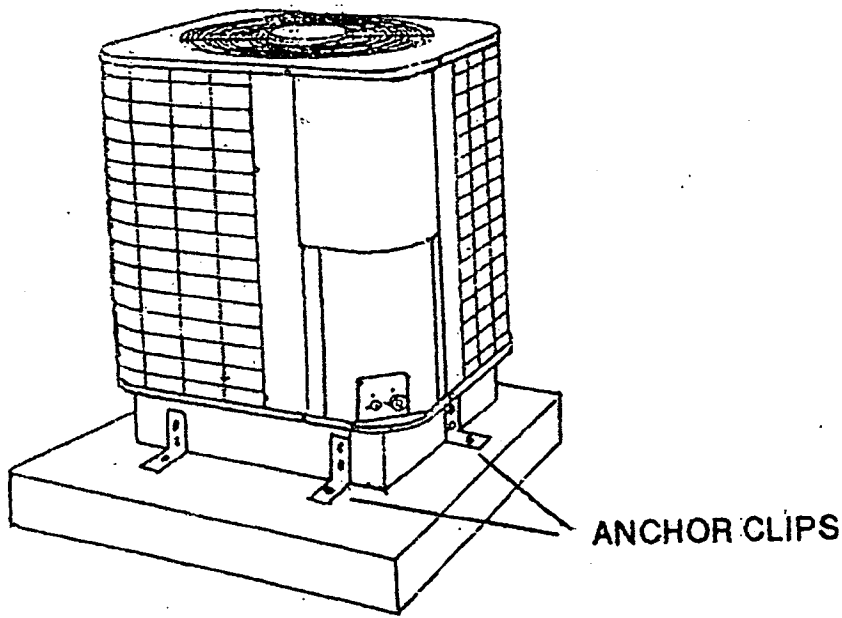
Glass (E)	158 sq. ft.
Glass (S)	22 sq. ft.
Glass (N)	22 sq. ft.
Glass (W)	111 sq. ft.
Summer Outdoor	90°F
Summer Wet Bulb	78°F
Summer Indoor	75°F
Summer Design Grains	50%
Winter Outdoor	47°F
Winter Indoor	70°F
Sensible Cooling	36,633 Btuh
Latent Cooling	8,401 Btuh
Required Cooling Airflow	1,665 CFM
Sensible Heating	23,725 Btuh
Required Heating Airflow	308 CFM

All calculations are based upon approved hvac industry standards and procedures, and comply with all local, state and federal code requirements. All computed results are Estimates. Product provided by Energy Design Systems and Idea Tree

Design Conditions

Outdoor	Heating	Cooling
Dry bulb (°F)	47	90
Daily range		M
Relative humidity		50%
Moisture difference		64

Indoor	Heating	Cooling
Indoor temperature (°F)	70	75
Design temperature difference(°F)	23	15


ANCHOR CLIPS

Section 8. Setting the Unit - Horizontal Installation

8.1 Secure Coil (Horizontal Applications)

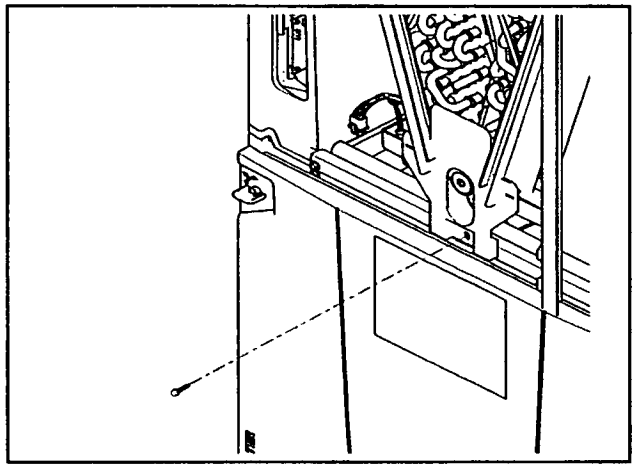
STEP 1 - Remove Coil Panel.

STEP 2 - Remove screw from documentation packet.

STEP 3 - While the air handler is in the upflow position, use the supplied screw to secure the coil seal plate to cross member as shown.

Important: *The Coil Seal Plate and screw secure the coil in the center of the air handler. Failure to follow these steps can prevent the Coil Panel from being easily replaced on the unit.*

Important*: For the 5 ton air handler model *AM4A0C60S51SA, tap 5 should not be used in the downflow or horizontal orientations. Using Tap 5 could result in water blowing off the coil.*



8.2 Considerations

Important: *Due to the unique design of this unit, which allows the electrical wiring to be routed within the insulation, do not screw, cut, or otherwise puncture the unit cabinet in any location other than the ones illustrated in this Installer Guide or in an approved accessory's Installer Guide.*

Important: *Make certain that the unit has been installed in a level position to ensure proper draining.*

Important: *Under no conditions should metal strapping be attached to the unit to be used as support mechanisms for carrying or suspension purposes.*

STEP 1 - Support the unit from the bottom (near both ends). The service access must remain unobstructed.

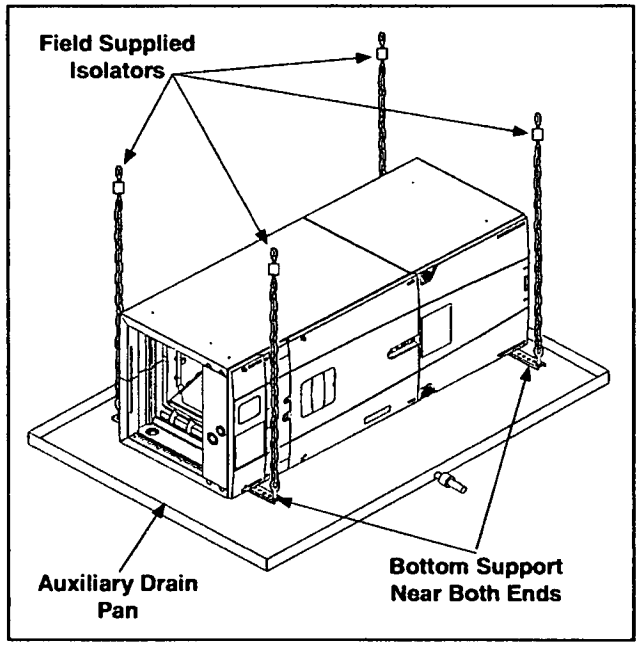
Important: *The unit can only be supported from the bottom. Do not drill or screw supports into any area of the cabinet.*

Note: *Do not allow the unit to be used as strain relief.*

- Approved bottom support methods are rails, u-channels (Unistrut®), or other load bearing materials.
- The unit must be isolated carefully to prevent sound transmission. Field supplied vibration isolators are recommended.

STEP 2 - Install an auxiliary drain pan under the horizontal air handler to prevent possible damage to ceilings.

- Isolate the auxiliary drain pan from the unit and from the structure.
- Connect the auxiliary drain pan to a separate drain line and terminate according to local codes.



Note: *BAYHHKIT001A Hanging Bracket Kit may be ordered separately.*
Important: *The BAYHHKIT001A may not be used if the cabinet has been altered per Installer Guide 18-HJ58D1-1.*

TOWN OF SEWALL'S POINT BUILDING DEPARTMENT
One S. Sewall's Point Road
Sewall's Point, Florida 34996
Tel: 772-287-2455Fax772-220-4765

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: David Kelso Contractor name: Classic Cooling

Street address: 18 Rio Vista Dr Jurisdiction: _____

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:

- __V__ 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: 5-31-13

Printed Name: Stephen A Strait

Contractor License #: CA C029403

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: _____

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection ☐ Mon ☐ Tue ☐ Wed ☒ Thur ☐ Fri 6-6-13 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
10192	Vasko	final remodel		
AM	11 Emarita		Pass	close
	OB			INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
10468	[redacted]	final		
9 AM TST	[redacted]	[redacted]	[redacted]	[redacted]
	Classic Cooling			INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
10485	[redacted]	roof sheeting		
AM	[redacted]			
	[redacted]			INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
10442	Bechel	final		
1PM	107 Hillcrest	Bath remodel	Pass	CLOSE
	Group One			INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

TOWN OF SEWALL'S POINT
APPLICATION FOR TREE REMOVAL, RELOCATION, REPLACEMENT PERMIT

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.

Tree permits will be issued as outlined under the Town of Sewall's Point Habitat Management Ordinance. The removal of trees shall not exceed the required amount of trees per property as outlined below:

Sec. 70-21. Minimum tree requirements for residential properties.
Any applicant requesting a tree removal permit on an existing residential property with an existing residence must meet the following minimum requirements:
(1) Lots not exceeding one-half acre: At least eight trees (excluding citrus) with a minimum caliper of three inches and a trunk at least eight feet tall. Palm trees of all types shall be counted at one-fourth of their caliper.
(2) Lots greater than one-half acre, but not exceeding one acre: At least 12 trees (excluding citrus) with a minimum caliper of three inches and a trunk at least eight feet tall. Palm trees of all types shall be counted at one-fourth of their caliper.
(3) Lots greater than one-acre: for the first acre at least 12 trees (excluding citrus) with a minimum caliper of three inches and a trunk at least eight feet tall. Palm trees of all types shall be counted at one-fourth of their caliper. For each additional one-half acre or portion thereof: Eight trees with a minimum caliper of three inches and a trunk at least eight feet tall. Palm trees of all types shall be counted at one-fourth of their caliper.
(Ord. No. 303, 7-20-04)

Sec. 70-22. Permit required for tree removal.
A permit as provided for in this chapter shall be required for the removal (or transplant) of any tree with a two-inch caliber or more upon any parcel upon which there is a residence under a validly issued permit. Permit requirements are outlined under article V. If the town has to procure the services of a suitable professional licensed in the State of Florida to ascertain the state or type of a tree(s) prior to or after removal of the tree(s) then the cost of such will be borne by the property owner.
(Ord. No. 303, 7-20-04)

Sec. 70-23. Permit not required for tree removal.
A permit is not required for removal of the following trees:
(1) Citrus trees. If the town has to procure the services of a suitable professional licensed in the State of Florida to ascertain the type of a tree(s) prior to or after removal of the tree(s) then the cost of such will be borne by the property owner.
(Ord. No. 303, 7-20-04)

Tree removal, replacement or relocation permits for new single family residents must contain the following:

Sec. 70-85. Permit application procedures for single family lots.
(a) Procedure. Application shall be made by filing a written application with the department and paying a $15.00 application fee. No fee shall be required to remove prohibited species, dead, dying, or damaged trees; however permits are required. The department may require the written opinion of a suitable professional registered in the State of Florida selected by the town to support the application, the cost of the arborist to be reimbursed by the applicant. The application shall be field verified by the building official who shall indicate the verification by signing and dating the sketch(s) on file before issuing or denying the permit. The applicant shall submit the following to the department:

(1) A scaled sketch, site plan or survey showing:
a. where the trees to be removed are located;
b. the tree species;
c. the tree diameter, and approximate height of the trees to be removed;
d. the shape and dimensions of the lot or parcel, together with the existing and proposed locations of structures and improvements, if any; and
e. all proposed new or moved trees or other vegetation, by species and size, along with the type of ground cover to be installed, including the proposed new location for the trees or vegetation. In the case of a permit application in connection with the construction of a structure, the applicant shall provide a site plan in lieu of a sketch. The sketch, site plan or survey shall be prepared in accordance with chapter 11.5 of this Code titled surveys and drawings.
(2) If the applicant is not the owner of the property, the applicant must submit a written authorization from the owner of the property authorizing the applicant to submit and/or represent the application.
(3) The applicant shall mark the tree(s) subject to the permit on the site by tagging the tree(s) with red, yellow, or orange marking tape. The department may photograph the tree(s) marked for removal and place the photograph(s) in the permit file no later than 30 days after issuing or denying the permit.
(4) If land clearing is intended, an erosion control plan, showing topography of the site where trees are located and effect removal of the same would have on: erosion, soil, moisture, retention, increase or decreased flow or diversion in the flow of surface waters, and impact on overall surface water management, together with the reasons for clearing or grubbing of the site.
(5) Any other information requested by the department.
(6) The permit fee.
(Ord. No. 303, 7-20-04)

Sec. 70-86. Evaluation criteria.
The department shall consider the following requirements and potential adverse impacts on urban and natural environment in evaluating the application:
(1) Minimum number of trees: Must meet requirements as outlined under section 70-21(a).
(2) Soil stabilization: Whether the removal of tree(s) or other vegetation will result in uncontrollable erosion of soils into surface waters, or adjacent properties.
(3) Water quality and/or aquifer recharge: Whether the removal of tree(s) or other vegetation will lessen the ability for the natural assimilation of nutrients, chemical pollutants, heavy metals, silt and other noxious substance from ground and surface waters.
(4) Ecological impacts: Whether the removal of tree(s) or other vegetation will have an adverse impact upon existing biological and ecological systems.
(5) Noise pollution: Whether the removal of tree(s) or other vegetation will significantly increase ambient noise levels.
(6) Wildlife habitat: Whether the removal of tree(s) or other vegetation will significantly reduce available habitat for wildlife existence and reproduction, or are likely to result in the emigration of wildlife from adjacent or associated ecosystems.
(7) Aesthetic degradation: Whether the removal of tree(s) or other vegetation will have an adverse effect on property values in the neighborhood where the applicant's property is located or on other existing vegetation in the vicinity.
(8) Endangered, threatened and species of special concern: Whether the removal of tree(s) or other protected species will significantly affect endangered, threatened, or other protected plants.
(9) Wetland vegetation: Whether any alterations are planned for mangroves or other wetlands which are recognized to be of special ecological value. No mangroves or other wetland vegetation shall be removed, trimmed, pruned, chemically treated, filled upon or altered unless completed in accordance with state law and unless a state permit or written exemption is provided to the department.
(10) Specimen tree or specimen tree stands: Whether the application calls for removal, trimming, pruning, or alteration to a specimen tree or specimen tree stand which has been designated as such under the provisions of this chapter.
(Ord. No. 303, 7-20-04)

TOWN OF SEWALL'S POINT, FLORIDA

Date APRIL 3 19/2006 **TREE REMOVAL PERMIT** № 2657

APPLIED FOR BY KELSO (Contractor or Owner)

Owner 18 RIO VISTA

Sub-division _____, Lot _____, Block _____.

Kind of Trees _____

No. Of Trees: REMOVE 3 1 PALM + 2 PEPPER

No. Of Trees: RELOCATE _____ WITHIN 30 DAYS (NO FEE)

No. Of Trees: REPLACE _____ WITHIN 30 DAYS

REMARKS _____

FEE $ 0

Signed, _____ Applicant

Signed, ~~Town Clerk~~ BUILDING OFFICIAL

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

PROJECT DESCRIPTION _____

REMARKS _____

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.

Owner DAVID KELSO **Address** 18 RIO VISTA DR **Phone** 631-0679

Contractor _____ **Address** _____ **Phone** _____

No. of Trees: REMOVE 7 **Type:** 1 OAK 1 PALM 3 HICKORY 2 - PEPPER

No. of Trees: RELOCATE _____ WITHIN 30 DAYS **Type:** _____

No. of Trees: REPLACE _____ WITHIN 30 DAYS **Type:** _____

Written statement giving reasons: Trees damaged by Hurricane

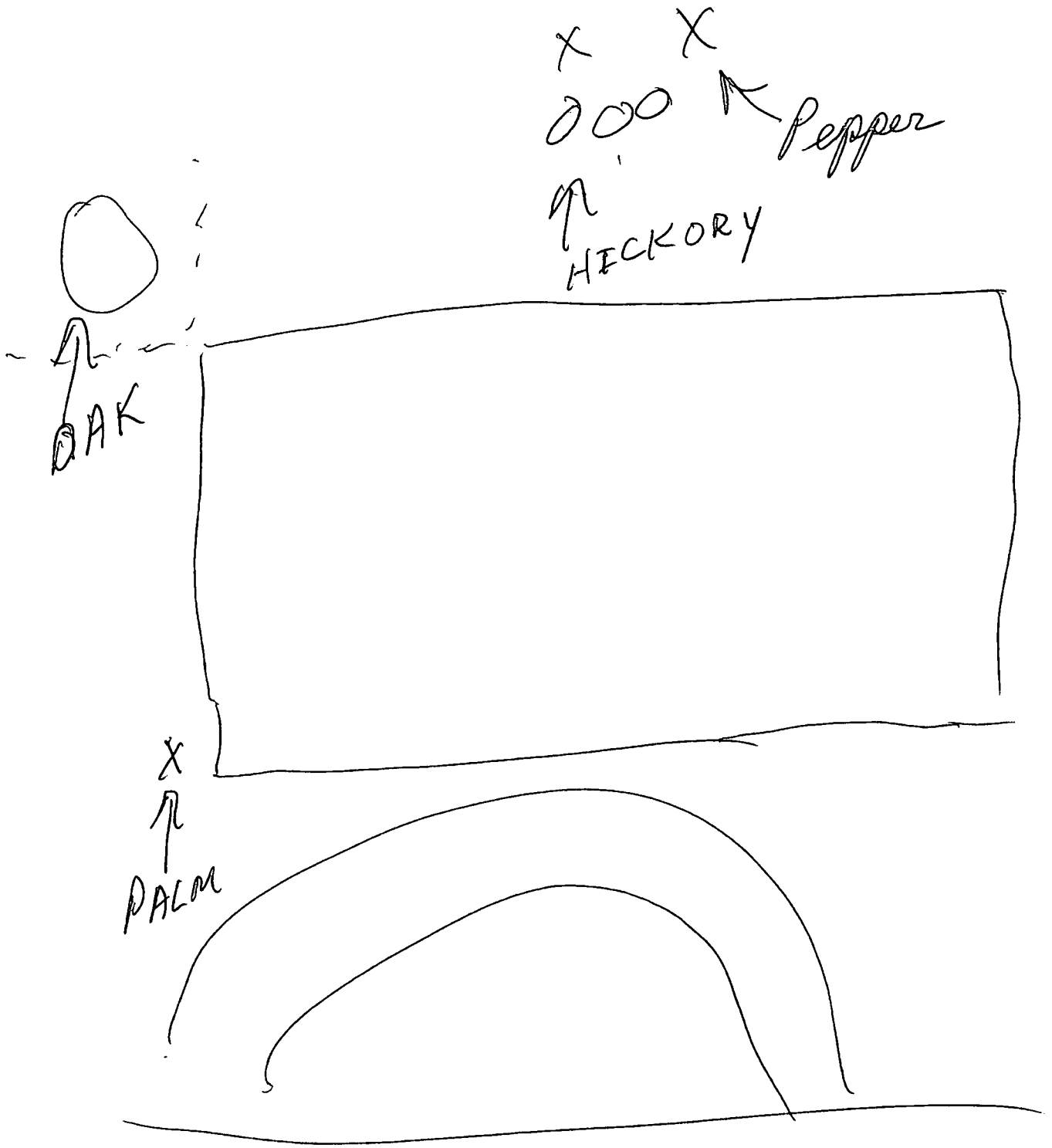
Signature of Property Owner David Kelso **Date** 3/30/06

==========

Approved by Building Inspector: _____ **Date** _____ **Fee:** _____

Plans approved as submitted _____ **Plans approved as revised/marked:** _____

PALM TREE IS APPROVED DUE TO CLOSE PROXIMITY OF HOUSE
PEPPER TREES ARE APPROVED DUE TO BEING INVASIVE SPECIES.
OAK & HICKORY ARE NOT DAMAGED. THESE ARE PROTECTED SPECIES. SUGGEST PRUNING BRANCHES TO ~~LOS~~ REDUCE THREAT TO HOUSE.


Pepper
HICKORY
OAK
PALM

TOWN OF SEWALL'S POINT, FLORIDA

TREE REMOVAL PERMIT № 0564

Date 1-10-07

APPLIED FOR BY Kelso (Contractor or Owner)

Owner 18 Rio Vista

Sub-division _____, Lot _____, Block _____

Kind of Trees _____

No. Of Trees: REMOVE 9

No. Of Trees: RELOCATE _____ WITHIN 30 DAYS (NO FEE)

No. Of Trees: REPLACE _____ WITHIN 30 DAYS

REMARKS 3 dead - 1 pepper

FEE $ 0

Signed, _____ Applicant

Signed, Phil Wintercorn Town Clerk

Call 287-2455 – 8:00 A.M.-12:00 Noon for Inspec

WORK HOURS 8:00 A.M. - 5:00 P.M.—NO SUNDAY WOR

TOWN OF SEWALL'S POINT

TREE REMOVAL PERMIT

RE: ORDINANCE 103

PROJECT DESCRIPTION _____

REMARKS _____

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.

Owner DAVID KELSO Address 18 RIO VISTA Phone 631-0679

Contractor Bernies Tree Address _____ Phone 219-2519

No. of Trees: **REMOVE** 9 Type: 3 DEAD 6 Pepper

No. of Trees: **RELOCATE** _____ WITHIN 30 DAYS Type: _____

No. of Trees: **REPLACE** _____ WITHIN 30 DAYS Type: _____

Written statement giving reasons: Clearing the back of the lot
Eliminate pepper to allow other plants

Signature of Property Owner _____ Date 1/8/07

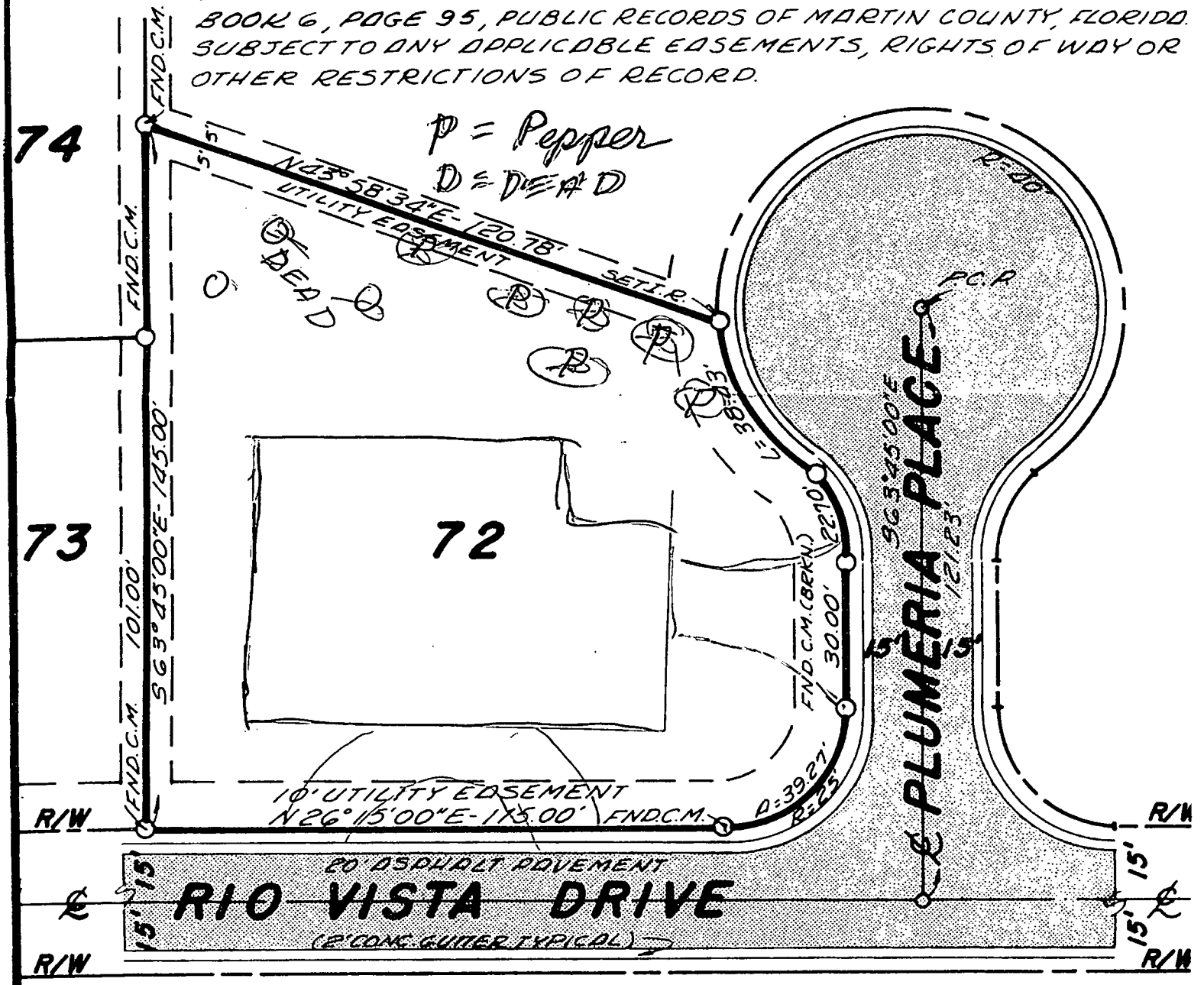
Approved by Building Inspector: _____ Date 1/10 Fee: 0

Plans approved as submitted _____ Plans approved as revised/marked: _____

VICINITY MAP

DESCRIPTION:

LOT 72 OF RIO VISTA SUBDIVISION AS RECORDED IN PLAT BOOK 6, PAGE 95, PUBLIC RECORDS OF MARTIN COUNTY, FLORIDA. SUBJECT TO ANY APPLICABLE EASEMENTS, RIGHTS OF WAY OR OTHER RESTRICTIONS OF RECORD.



NOTE: A SEARCH OF THE PUBLIC RECORDS HAS NOT BEEN MADE BY THIS OFFICE.

PREPARED AT THE REQUEST OF JOHN MORRIS FOR SALLY REIS LALOR.

I HEREBY CERTIFY that the plat shown hereon is a true and correct representation of a survey made under my direction and that said survey is accurate to the best of my knowledge and belief and that, unless otherwise shown, there are no encroachments. NOT VALID unless sealed with an EMBOSSED SEAL.

THE BETHAM GROUP, INC.
LAND SURVEYING
P. O. BOX 2264
STUART, FLA. 33494
PH. 334-1442 465-2583

PROFESSIONAL LAND SURVEYOR
FLORIDA CERTIFICATE NO. 3199

PLAT BOOK: 6 PG. 95	FIELD BK. FILE
DATE: 3-5-80	DRAWN BY: P.A.R.
SCALE: 1"=30'	ORDER NO. 80-27

GUARANTY BLUEPRINTERS INC AND PHILLIPS PRESS

OHC

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

TREE REMOVAL, RELOCATION, REPLACEMENT PERMIT

CALL 8:00 AM – 12:00 NOON FOR INSPECTION - WORK HOURS 8:00 AM TO 5:00 PM – NO SUNDAYS

Owner H. D. KELSO Address [redacted] RIO VISTA Phone 286-3092

Contractor BERNIES TREE Address _____ Phone _____

No. of Trees: REMOVE 2 Species: FOX TAIL PALMS

No. of Trees: RELOCATE _____ Species: _____

No. of Trees: REPLACE _____ Species: _____

ANY TREE TO BE RELOCATED OR REPLACED MUST OCCUR WITHIN 30 DAYS AND REQUIRES A FINAL INSPECTION

ALL VEGETATIVE DEBRIS MUST BE REMOVED FROM THE PROPERTY

Reason for tree removal /relocation (See notice above) TREE ROOTS ARE GROWING INTO + CLOGGING THE SEPTIC SYSTEM.

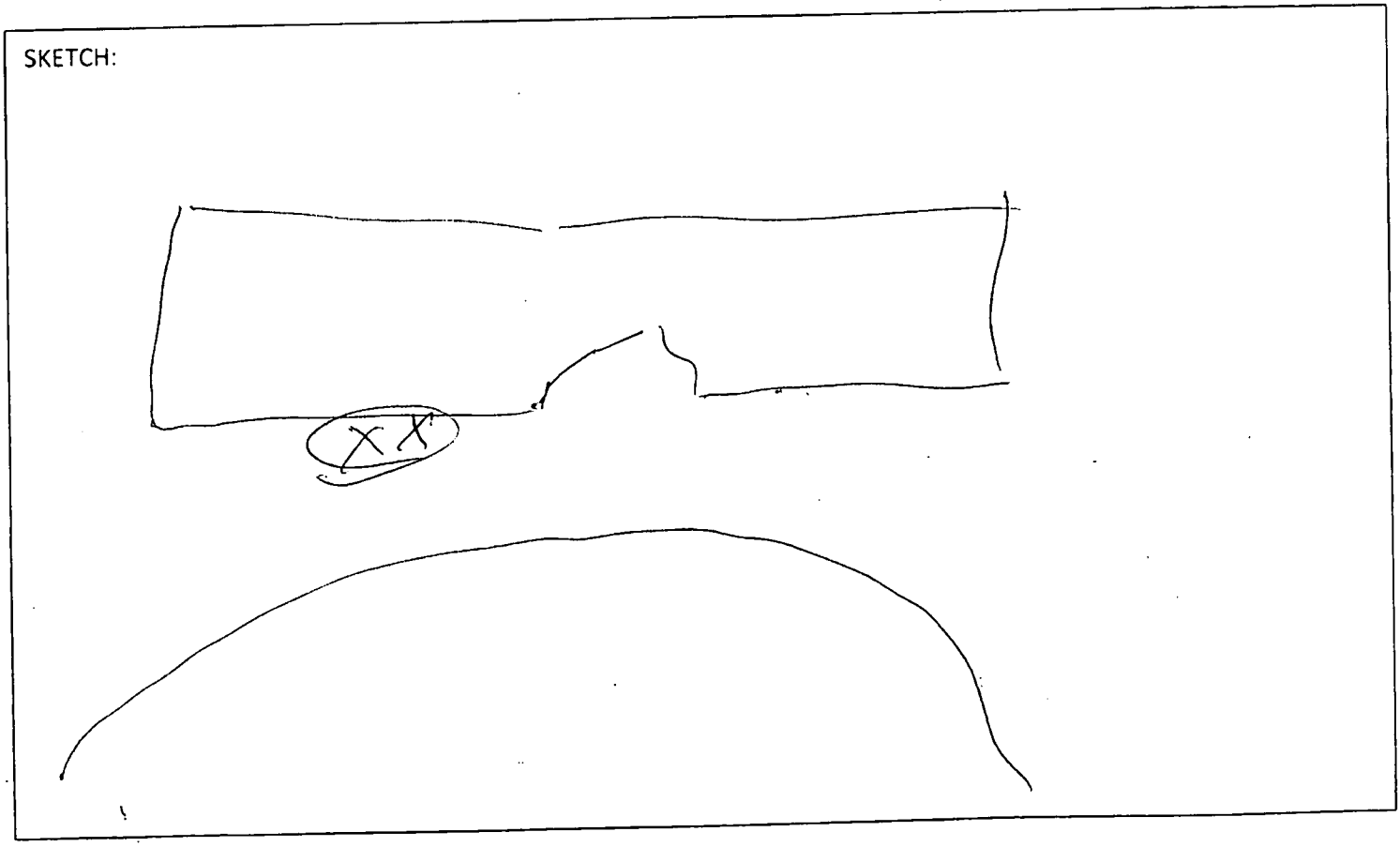
Signature of Property Owner H D Kelso Date 1-3-13

==========

Approved by Building Inspector: _____ Date 1-4-13 Fee: N/C

NOTES: _____

SKETCH:



OR

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

TREE REMOVAL, RELOCATION, REPLACEMENT PERMIT

CALL 8:00 AM – 12:00 NOON FOR INSPECTION - WORK HOURS 8:00 AM TO 5:00 PM – NO SUNDAYS

Owner H. D. KELSO Address 15 RIO VISTA DR Phone 286-3092

Contractor Bernie's Address _____ Phone _____

No. of Trees: REMOVE 1 Species: HICKORY

No. of Trees: RELOCATE _____ Species: _____

No. of Trees: REPLACE _____ Species: _____

ANY TREE TO BE RELOCATED OR REPLACED MUST OCCUR WITHIN 30 DAYS AND REQUIRES A FINAL INSPECTION

Reason for tree removal /relocation (See notice above) Base is rotted and we think it will fall

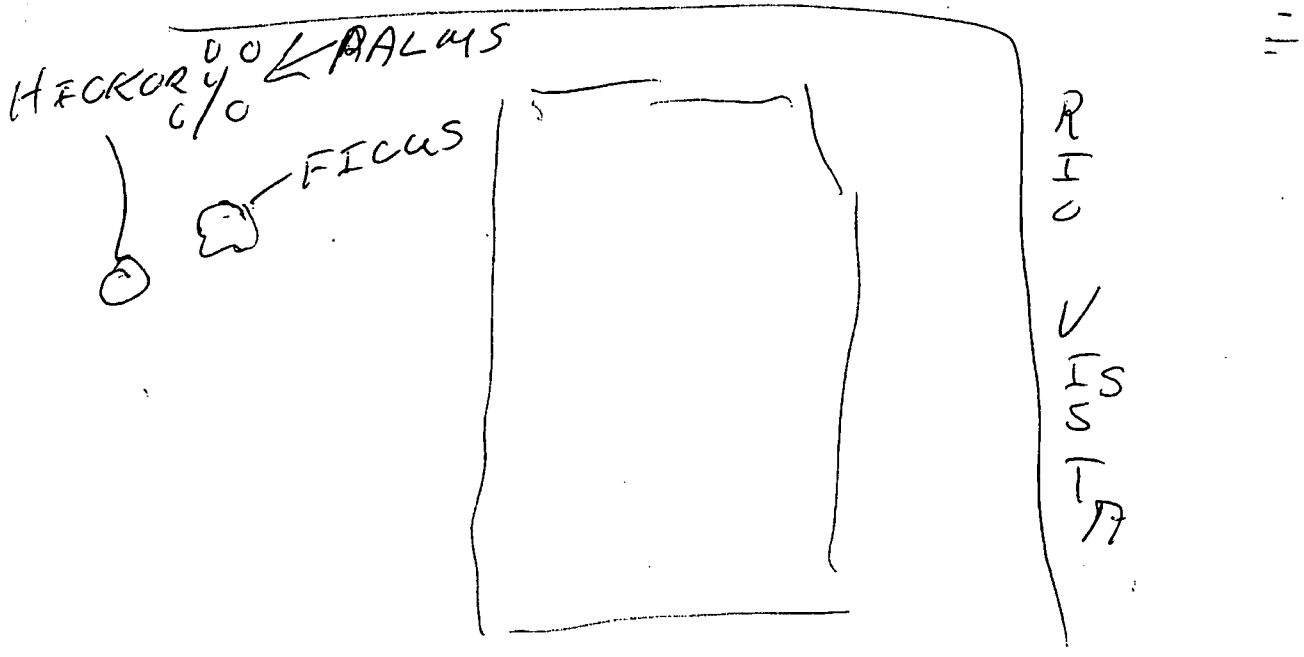
Signature of Property Owner H. D. Kelso Date 6-3-09

==========

Approved by Building Inspector: _____ Date 6/5/09 Fee: —

NOTES: _____

SKETCH:



SP01-20060117

REMODEL

RECEIVED 8-23-06

Town of Sewall's Point
BUILDING PERMIT APPLICATION

Date: 8/22/06 KELSO

Permit Number: _____

OWNER/TITLEHOLDER NAME: HARRY DAVED KELSO Phone (Day) 286-3092 (Fax) CELL 631-0679

Job Site Address: 18 RIO VISTA DR City: SEWALLS PT State: FL Zip: 34996

Legal Desc. Property (Subd/Lot/Block) RIO VISTA / 72 Parcel Number: 12-38-41-002-000-00720

Owner Address (if different): 26 RIO VISTA DR City: SEWALL'S POINT State: FL Zip: 34996

Description of Work To Be Done: REMODEL KETCHEN, BATHROOMS

WILL OWNER BE THE CONTRACTOR?:

YES (NO)

(If no, fill out the Contractor & Subcontractor sections below)

(If yes, Owner Builder Affidavit must accompany application)

COST AND VALUES:

Estimated Cost of Construction or Improvements: $ 81,475
(Notice of Commencement needed over $2500)

Estimated Fair Market Value prior to improvement: $ 475,000

Is improvement cost 50% or more of Fair Market Value? YES (NO)

Method of Determining Fair Market Value: RESIDENTIAL APPRAISAL

CONTRACTOR/Company: SANCO CONSTRUCTION INC. Phone: 7722320024 Fax: 7722320024

Street: 1127 N.E. QUINN PL. City: JENSEN BCH State: FL Zip: 34957

State Registration Number: _____ State Certification Number: CGC061003 Martin County License Number: _____

SUBCONTRACTOR INFORMATION:

Electrical: AULT BROS. ELECTRIC State: FL License Number: EC 000 1693

Mechanical: _____ State: _____ License Number: _____

Plumbing: PIPE-CONNECTION, INC. State: FL License Number: CFC 033824

Roofing: _____ State: _____ License Number: _____

ARCHITECT JOE MCCARTEY Lic.#: _____ Phone Number: 7722876735

Street: 900 OSCEOLA City: STUART State: FL Zip: _____

ENGINEER N/A Lic# _____ Phone Number: _____

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

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

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

NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies.

CODE EDITIONS IN EFFECT AT TIME OF APPLICATION: Florida Building Code (Structural, Mechanical, Plumbing, Gas): 2004
National Electrical Code: 2002 Florida Energy Code: 2004 Florida Accessibility Code: 2004 Florida Fire Code 2004

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) Harry David Kelso

State of Florida, County of: Martin

This the 21st day of August, 2006

by Harry David Kelso who is personally known to me or produced FL Drivers License as identification. Melissa Cantrell

Notary Public

My Commission Expires: _____

MELISSA CANTRELL
Notary Public State of Florida
My Commission Expires May 23, 2010
Commission # DD 555973
Bonded By National Notary Assn.

Seal

CONTRACTOR SIGNATURE (required) _____

On State of Florida, County of: Martin

This the 23rd day of August 2006

by Robert Sawandajian who is personally known to me or produced Florida Drivers License as identification. S553 764 62 207 0

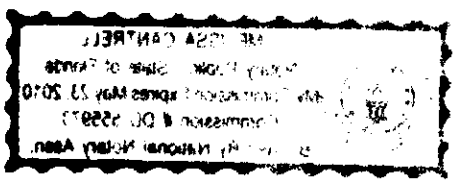
Darleen Poggerale
Notary Public

My Commission Expires: Sept 24, 2006

DARLEEN POGGERALE
MY COMMISSION # DD 125 [illegible]
EXPIRES: September 24, 2006
Bonded Thru Notary Public Underwriters

Seal

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



Martin County PN-SP01-
MASTER PERMIT NO 20060117

TOWN OF SEWALL'S POINT

Receipt
BUILDING PERMIT NO. 8371

Date 9-7-06

Building to be erected for Kelso — Type of Permit Remodel Kitchen + Baths

Applied for by SANCO (Contractor) — Building Fee 782.16

Subdivision Rio Vista Lot 72 Block ____ — Radon Fee ____

Address 18 Rio Vista Dr — Impact Fee ____

Type of structure SFR — A/C Fee ____

Electrical Fee 35.00

Parcel Control Number: — Plumbing Fee 35.00

12-38-41-002-000-00720-60000 — Roofing Fee ____

Amount Paid $852.16 Check # 3740 Cash ____ Other Fees (____) ____

Total Construction Cost $ 81475 — TOTAL Fees 852.16

Signed [signature] — Signed [signature]

Applicant — Town Building ~~Official~~ Dept Clerk

MC0117

MASTER PERMIT NO. 8371

TOWN OF SEWALL'S POINT

Receipts

Date 9-6-06

BUILDING PERMIT NO. 8373

Building to be erected for Kelso

Type of Permit Sub-Electric

Applied for by Quality Pros Electric (Contractor)

Subdivision Rio Vista Lot 72 Block

Address 18 Rio Vista DR

Type of structure SFR

Qualifier: Michael Dale Dent

FL Lic # EC-000 1693

Parcel Control Number:

Building Fee

Radon Fee

Impact Fee See

A/C Fee

Electrical Fee 8371

Plumbing Fee

Roofing Fee

~~Amount Paid~~ ~~Check #~~ ~~Cash~~ Other Fees ( )

~~Total Construction Cost $~~

TOTAL Fees

Signed Dale Dent
Applicant

Signed Valerie Meyer
Town Building ~~Official~~ Dept Clerk

PERMIT

- [ ] BUILDING
- [ ] PLUMBING
- [ ] DOCK/BOAT LIFT
- [ ] SCREEN ENCLOSURE
- [ ] FILL
- [ ] TREE REMOVAL
- [x] ELECTRICAL
- [ ] ROOFING
- [ ] DEMOLITION
- [ ] TEMPORARY STRUCTURE
- [ ] HURRICANE SHUTTERS
- [ ] STEMWALL
- [ ] MECHANICAL
- [ ] POOL/SPA/DECK
- [ ] FENCE
- [ ] GAS
- [ ] RENOVATION
- [ ] 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	

MARTIN COUNTY
BUILDING PERMIT

Permit Number:	SP01 - 20060117
Permit Type:	SEWALLS POINT
Date Issued:	29-AUG-2006
Project:	
Scope of Work:	Remodel kitchen, bathrooms

Applicant/Contact:	SANANDAJIAN, ROBERT D /
Parcel Control Number:	12-38-41-002-000-0072.0-60000
Subdivision:	RIO VISTA
Construction Address:	18 RIO VISTA DR
Location Description:	
Owner Name:	KELSO, HARRY DAVID & MARJORIE LOU
Prime Contractor:	SANANDAJIAN, ROBERT D 1127 NE QUINN PL JENSEN BCH, FL 34957 772-232-0024
	SANCO CONSTRUCTION INC License No.: CGC061003

In consideration of the granting of this permit, it is agreed that in all respects the work will be performed and completed in accordance with the permitted plans and the applicable codes for Martin County, Florida. This permit may be revoked at any time upon the violation of any of the provisions of said laws, ordinances or rules and regulations or upon any change in the plans and specifications unauthorized by this department. Permit expires one hundred eighty (180) days from the date of issuance if work is not started or if work is suspended for a period of six months. Per FBC Section 3305, sanitary facilities shall be provided during construction, remodeling, or demolition activities.

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

"WARNING TO OWNER; YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."
A CERTIFIED COPY OF RECORDED NOTICE OF COMMENCEMENT MUST BE SUBMITTED TO THE ISSUING AUTHORITY PRIOR TO THE FIRST INSPECTION.

ALL REINSPECTIONS OR ADDITIONAL INSPECTIONS WILL BE CHARGED AT A RATE ESTABLISHED BY THE BOARD OF COUNTY COMMISSION. **NOTICE:** DO NOT ORDER CONCRETE UNTIL INSPECTION IS APPROVED.

UPON COMPLETION OF WORK, A FINAL INSPECTION MUST BE CALLED FOR BY THE CONTRACTOR. FAILURE TO DO SO WILL RESULT IN A DENIAL OF FUTURE BUILDING PERMITS TO THE CONTRACTOR.

INSPECTIONS

Phone 221-2364 (interactive voice) or 288-5489 for inspections. 24 hour notice is required.
The inspections listed below may not represent all necessary required inspections for the scope of work.

6099	Residential Final	_____	6037	Col/Beam	_____	5050 R/Plumb	_____
3050	R/Elec	_____	6050	Frame	_____		

Make Payment Confirmation for Town of Sewall's Point

You have scheduled a payment in the amount of $2,126.23 for 12/01/2017.

✔ Operating will be used for payment.

Your confirmation number is 650112012017.