22 Lantana Lane

1255

SFR

RECEIVED DEC 5 1980

TOWN OF SEWALL'S POINT FLORIDA

Permit No. _____ Date 12/55

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 PATRICK Schuerman Present address 5608 RIVERBOAT DR

Phone 283-3202 STUART

General contractor ROBERT EWING Address 2482- BRITT RD.

Phone 334-7876 STUART

Where licensed FLORIDA License No. CGC 016672

Plumbing contractor ATLANTIC PLUMBING License No. 00035

Electrical contractor KRAUSS & CRANE License No. 29

Air-conditioning contractor PERSONALIZED AIR License No. 160

Describe the building, or alteration to existing building _____

Name the street on which the building, its front buiilding line and its front yard will face 22 LANTANA LANE

Subdivision RIO VISTA Lot No. 42 Area _____

Building area, inside walls (excluding garage, carport, porches, pools, etc.)...square feet 1930

Contract price (excluding land, carpeting, appliances, landscaping, etc.) $ ~~[illegible]~~ 67,550

Cost of permit $ 368 (338+10+10+10) 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 Robert E Ewing Jr

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 [signature]

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

TOWN RECORD Date submitted _____

Approved by Building Inspector (date) 12/11/80 Inspector's initials JCM

Approved by Town Commissioner (date) 12/11 Commissioner's initials ✓

Certificate of Occupancy issued (date) 3/13/81

SP/1-7

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

12/55

391615

Printed for Lawyers' Title Guaranty Fund, Orlando, Florida

This instrument was prepared by:
Terence P. McCarthy
DESANTIS, COOK, MEEHAN, COHEN,
GASKILL & SILVERMAN, P.A.
860 U.S. Highway One
P.O. Box 14546
NORTH PALM BEACH, FLORIDA 33408

Warranty Deed (STATUTORY FORM—SECTION 689.02 F.S.)

This Indenture, Made this 5th day of November 19 80, **Between**

PATRICK M. SCHUERMAN and PATRICA SCHUERMAN, his wife

of the County of Martin, State of Florida, grantor*, and

STANLEY C. RUGER and MARILYN W. RUGER, his wife

whose post office address is 23 Lantana Lane, Sewall's Point, Jensen Beach, Florida 33457

of the County of Martin, State of Florida, grantee*,

Witnesseth, That said grantor, for and in consideration of the sum of TEN and no/100---------- ($10.00)---------- Dollars, and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Martin County, Florida, to-wit:

Lot 38, RIO VISTA SUBDIVISION, according to the Plat thereof filed December 11, 1975 in Plat Book 6, page 95, public records of Martin County, Florida.

SUBJECT to easements, restrictions, reservations and road rights-of-way of record.

SUBJECT to mortgage in favor of First National Bank and Trust Company of Stuart recorded in Official Records Book 494, page 620, public records of Martin County, Florida, which Grantees hereby assume and agree to pay.

SUBJECT to second mortgage in favor of First National Bank and Trust Company of Stuart recorded in Official Records Book 501, page 1641, public records of Martin County, Florida, which Grantees hereby assume and agree to pay.

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

* "Grantor" and "grantee" are used for singular or plural, as context requires.

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

Signed, sealed and delivered in our presence:

Vera J. Locke
T. McCarthy

Patrick M. Schuerman (Seal)
Patrick M. Schuerman

(Seal)

Patricia Schuerman (Seal)
Patricia Schuerman

(Seal)

STATE OF FLORIDA
COUNTY OF MARTIN

I HEREBY CERTIFY that on this day before me, an officer duly qualified to take acknowledgments, personally appeared

PATRICK M. SCHUERMAN and PATRICIA SCHUERMAN, his wife,

to me known to be the persons described in and who executed the foregoing instrument and acknowledged before me that they executed the same.

WITNESS my hand and official seal in the County and State last aforesaid this 5th day of November 19 80

Terence P. McCarthy
Notary Public

My commission expires:

NOTARY PUBLIC

O.R. BOOK 507 PAGE 2095

NOTARY PUBLIC STATE OF FLORIDA AT LARGE
MY COMMISSION EXPIRES OCT. 3 1981
BONDED THRU GENERAL INS. UNDERWRITERS

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

APPLICATION FOR SEPTIC TANK PERMIT AND FINAL INSPECTION FORM

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

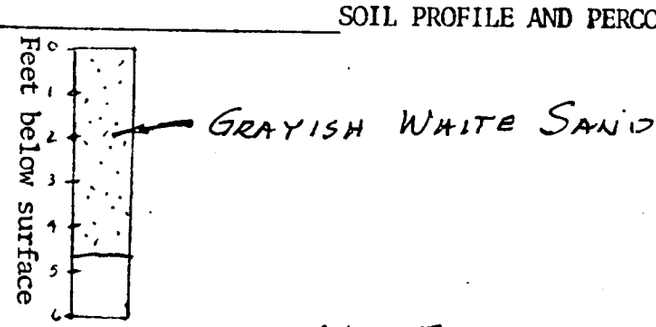
Permit Number HD80-918

Name of Applicant PAT SCHUERMAN Telephone 286-1300
Mailing Address of Applicant 5608 S.E. RIVERBOAT DR., STUART FL 33494
To be Installed at: (Give Street Address)* SOUTH RIVER ROAD
Lot 47 Block — Subdivision RIO VISTA
Plat Book & Page _____ Date Recorded 1975, 13 NOV.
Residential: No. Living Units 1 Number Bedrooms 3
Commercial: Type of Business — Number People — Number Toilets —
*Note: Attach site location map and other supportive documents.
Signature of Applicant Pat Schuerman / R.B. Larson, P.E.

SITE INFORMATION

Is there a private well within 75 ft. of the proposed septic system? No
Is there a public well within 100 ft. of the proposed septic system? No
Is there a public sewer within 100 ft. of the proposed lot? No
Is there a lake, stream, canal or other body of water within 50 ft. of the proposed septic system? No
Is there a septic system or other interference within 75 ft. of the proposed private well? No
Is the proposed or existing public water line within 10 ft. of the proposed septic system? No
There is 900 square feet of unobstructed land for future expansion of the drainfield.

SOIL PROFILE AND PERCOLATION DATA



Water table.....OVER 5 FT.
Wet season water table...OVER 5 FT
Compacted fill of..... — required.
Compacted fill check by..
Date.....

Certified by: R.B. Larson, P.E.
Florida Professional Number: 16552
Date: 12.9.80 Job Number 80-12-9
Percolation Rate 1/4 Minutes/Inch
Soil Identification: SAND
Class I Group SW

INSTALLATION SPECIFICATIONS

Septic Tank Capacity 900 Gallons
Dosing Tank Capacity _____ Gallons
Grease Trap Capacity _____ Gallons

Absorption Bed Size 260 Square Ft.
Lateral Drainfield Size _____ Square Ft.
Sand Filter Size _____ Square Ft.

Specifications:

12-10-80
Date Processed

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

Robert Worsham RS
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 _____
Dosing Tank Size _____ Grease Trap Size _____ Sand Filter Size _____
Who Made Installation _____

RECOMMENDATION: Approval Disapproval
1777

_____
Signature of Sanitarian

INDEPENDENT FIRE INSURANCE COMPANY

One Independent Drive
Jacksonville, Florida 32276

RENEWAL OF NUMBER

DECLARATIONS

No. 22-14 30 55 — **Agent No.** 09-0095

Named Insured and Mailing Address (No., Street, Apt., Town or City, County, State, Zip Code)

PATRICK SCHUERMAN
5608 SE Riverboat Drive
Stuart, FL 33494

Policy Period: 1 Years From: 12/11/80 To: 12/11/81 12:01 A.M. Standard Time at the **residence premises**.

The **residence premises** covered by this policy is located at the above address unless otherwise stated: (No., Street, Apt., Town or City, County, State, Zip Code)

Lot 42, Rio Vista S/D, 22 Lantana Lane, Sewall's Point, Jensen Beach, Martin, Floirda 33457

Coverage is provided where a premium or limit of liability is shown for the coverage.

Coverages and Limit of Liability	**Section I Coverages**				**Section II Coverages**	
	A. Dwelling	B. Other Structures	C. Personal Property	D. Loss of Use	E. Personal Liability Each occurrence	F. Medical Payments to Others Each person
	$ 70,000	$ 7,000	$ 35,000	$ 14,000	$ 100,000	$ 1,000

Premium	Basic Policy Premium	Additional Premiums				Total Prepaid Premium	Premium if paid in installments	Payable: At Inception	(and) At each subsequent anniversary
	$ 227.	$	$	$	$	$ 227.	$	$	$
	Premium for Scheduled Personal Property					$	$	$	$
	Combined Premium					$	$	$	$

Form and Endorsements made part of this Policy at time of issue: Form HO- 3(7/77) Endorsement(s) HO- IHO362, IHO-302
Insert Number(s) and Edition Date(s)

DEDUCTIBLE	SECTION I	OTHER	
	$ 100.	$	In case of a loss under Section I, we cover only that part of the loss over the deductible stated.

Section II — Other **insured locations**: (No., Street, Apt., Town or City, County, State, Zip Code)

Special State Provisions	South Carolina: Valuation Clause (Cov. A)	Minnesota: Insurable Value (Cov. A)	New York: Coinsurance Clause Applies
	$	$	☐ Yes ☐ No

Mortgagee (Name and address): First National Bank & Trust Co. of Stuart, P.O. Drawer 2316, Stuart, FL 33495

12/11/80 — Countersignature Date
Jensen Beach, FL — Agency at
Richard K. Carroll dgd — Authorized Representative

RATING INFORMATION

NUMBER OF FAMILIES
- Not Town/rowhouse—Number of Families: 1-2 Code (1) [X]; 3 (3) ☐; 4 (6) ☐; (8) ☐
- Town/rowhouse—Family units in Fire Div.: 3-4 (2) ☐; 5-8 (4) ☐; 9 over (9) ☐
- HO-4 HO-6 Self-Rating: Code (9) No ☐ Yes ☐
- If YES Number of Families— HO-4 and HO-6 Not rented to others: 1-4 (1) ☐; 5-10 (2) ☐; 11-40 (3) ☐; over 40 (4) ☐
- HO-6 Rented to others: 1-4 (5) ☐; 5-10 (6) ☐; 11-40 (7) ☐; over 40 (8) ☐
- If NO Number of Families:
- Annual Fire E.C. Rate:
- Year of Constr.: Year 80-8 Code 1

CONSTRUCTION: (1) Frame [X]; (2) Brick, Stone or Masonry Veneer ☐; (3) Brick, Stone or Masonry ☐; Approved Roof [X]; (5) Frame with Aluminum or Plastic Siding ☐; (4) Fire Resistive ☐; (9) Modular Homes rated as Frame ☐; (8) Specifically Rated—Not Fire Resistive ☐; Unapproved Roof ☐; Size of Living Area (Sq. Ft.)

PROTECTION: Code 6; Not more than 250 feet from hydrant; Not more than 2 miles from Fire Dept.; Southern: Inside City limits ☐; Inside Protected Suburb ☐; Inside Fire District [X]; Fire District or Town: Martin County FD#2 ( )

ZONE Code 1 — **PREMIUM GR. NO.** — **DEDUCTIBLE:** Type Code Size Code Section I $ 100. Other $

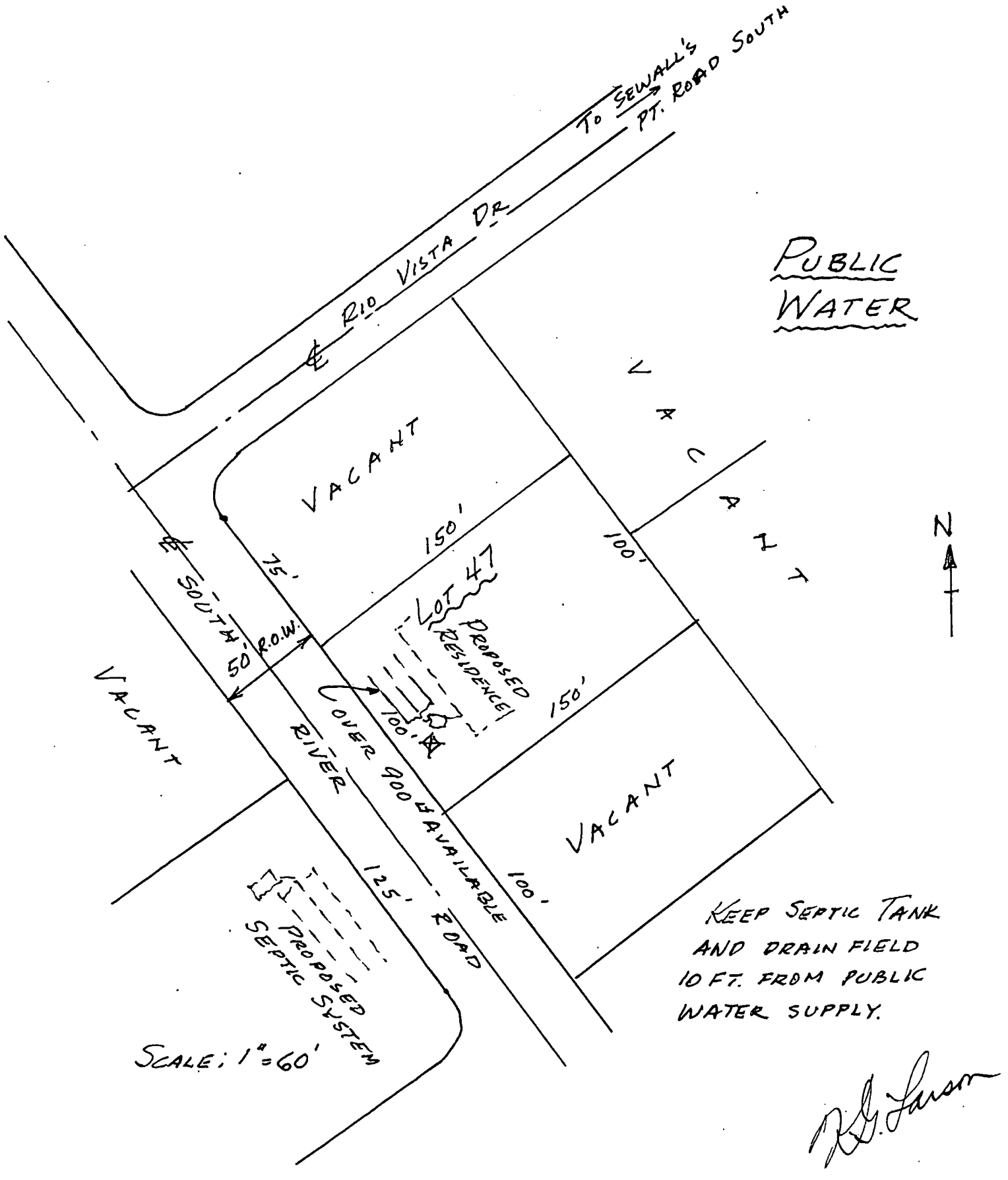
(a) The **residence premises** is not seasonal; (b) no **business** pursuits are conducted on the **residence premises**; (c) the **residence premises** is the only premises where the Named Insured or spouse maintains a residence other than business or farm properties; (d) the **insured** has no full time **residence employee**(s); (e) the **insured** has no outboard motor(s) or watercraft otherwise excluded under this policy for which coverage is desired. Exception, if any, to (a), (b), (c), (d) or (e)*.

*Absence of an entry means "no exceptions".

JDL1776(0)-X (Ed. 7-75)

LOT 47 RIO VISTA S/D MARTIN CO

PAT SCHUERMAN



R. G. Larson

FORM 900-789

FLORIDA MODEL ENERGY EFFICIENCY CODE

FOR BUILDING CONSTRUCTION

BOB GRAHAM, GOVERNOR — **SECTION 9 POINTS METHOD** — GOVERNOR'S ENERGY OFFICE, LEX HESTER, DIRECTOR

PREPARED BY: BRABHAM KUHNS DEBAY - CONSULTING ENGINEERS

Sewall's Point

PROJECT NAME AND ADDRESS	LOT 42, RIO VISTA S.D.	JURISDICTION #
	SEWALL'S PT., MARTIN CTY, FLA.	33457
		BUILDING PERMIT NO.
BUILDER		1255
OWNER	MR. & MRS. P. SCHUERMAN	* TO BE FILLED IN BY BLDG OFFICIAL — TO BE FILLED IN BY DESIGNER

STATISTICAL DATA

ZONE	JURISDICTION CODE	FLOOR AREA	GROSS WALL AREA	GLASS AREA	WALL INSUL R-VALUE	ROOF INSUL R-VALUE	EER OR SEER	COP	MAXIMUM ALLOWED EPI	EPI
8	33457	1930	1699	215.7	R-11	R-19	9.0		100	73.72

HEATING SYSTEM TYPE					HOTWATER SYSTEM TYPE					WALL CONSTRUCTION		NUMBER OF UNITS	
STRIP	HEAT PUMP	GAS	OIL	SOLAR	ELEC.	HEAT REC.	GAS	OIL	SOLAR	CBS	FRAME	THIS BUILDING	ENTIRE PROJECT
☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☒	1	1

THIS DATA TO BE SENT TO THE GOVERNOR'S ENERGY OFFICE BY THE BUILDING OFFICIAL UPON REQUEST

BASE BUDGET		COMMON WALLS		COMMON ROOF		MAXIMUM ALLOWED
100	−	0 X5	−	0 X12	=	100
FROM APPENDIX E		FEWER TOTAL POINTS MEANS GREATER SAVINGS				EPI

CERTIFIED BY: Robert A Brabham Jr. DATE: 12/12/80 EPI: 73.72

9D DESIGN CREDIT POINTS (CP)

CEILING FANS (IN COND. SPACE)	1 PER FAN	3
MULTI ZONE A/C (SEPARATED BY OPERABLE DOOR)	5	—
OPERABLE WINDOWS (ON 2 OR MORE SIDE OF ROOM)	1 PER ROOM	3
WHOLE HOUSE FAN (1.5 CFM/SF)	5	—
TOTAL		6

9E DESIGN PENALTY POINTS (PP)

WASHER AND DRYER (IN COND SPACE)	3	3
MAX. OPENING OF GLASS < 40%	5	
TOTAL		3

9G PERSCRIPTIVE MEASURES

CHECK FOR COMPLIANCE	SECTION	CHECK
HEATING SYSTEM EFFICIENCY	503.4	☒
AIR CONDITIONING CONTROLS	503.7	☒
A/C DUCT CONSTRUCTION	503.9	☒
PIPING INSULATION (CIRCULATING SYSTEMS)	503.10	☐
WATER HEATER (ASHRAE 90-75 LABEL)	504.2	☒
SWIMMING POOLS	504.2	☒
SHOWER FLOW RESTRICTORS	504.5	☒

SLAB ON GRADE PERIMETER

EDGE INSULATION	PERIMETER	WPM	GWP
R0 - 2.9	212.3	28.3	6008.09
R3 - 5.9		20.4	
R6 & UP		12.4	

GLASS — DO NOT APPLY INTERIOR SHADING

OR	AREA	SINGLE	DOUBLE	WOF	GWP
N	93.2	55.4	38.5	1.00	5163.28
NE		55.4	38.5		
E	43.1	55.4	38.5	.86	2053.46
SE		55.4	38.5		
S	62.4	55.4	38.5	.86	2972.99
SW		55.4	38.5		
W	17.0	55.4	38.5	1.00	941.80
NW		55.4	38.5		
H		22.6	6.8		
					26211.25

H = HORIZONTAL GLASS (SKYLIGHTS)

GLASS — DO NOT APPLY INTERIOR SHADING

OR	AREA	SINGLE CLR	SINGLE TIN	DOUBLE CLR	DOUBLE TIN	SOF	GSP
N	93.2	204	176	163	135	1.00	19012.8
NE		309	264	258	216		
E	43.1	425	360	362	304	.95	17401.63
SE		418	354	355	298		
S	62.4	346	294	287	242	.92	19863.17
SW		418	354	355	298		
W	17.0	425	360	362	304	.95	6863.75
NW		309	264	258	216		
H		720	605	627	524		
							55477.87

FOR TINTED GLASS SL ≠ 0.83 SEE SEC. 902.2d

TOTAL GROSS WINTER POINTS	43350.87	TOTAL GROSS SUMMER POINTS	118619.22

DUCT INSULATION MULTIPLYER

	GWP	MULT	
1" FIBERGLASS	43350.87	1.16	49853.5
1.5" FIBERGLASS		1.12	
DUCT IN COND. SP.		1.00	

DUCT INSULATION MULTIPLYER

	GSP	MULT	
1" FIBERGLASS	118619.22	1.15	136412.1
1.5" FIBERGLASS		1.12	
DUCT IN COND. SP.		1.00	

HSM FROM TABLE 9A	49853.5 X 1.00	49853.5	CSM FROM TABLE 9B	136412.1 X .72	98216.71
FLOOR AREA (DIVIDE)	49853.5 ÷ 1930	25.83	FLOOR AREA (DIVIDE)	98216.71 ÷ 1930	50.89
WINTER POINTS (WP)		25.83	SUMMER POINTS (SP)		50.89

FORM 900 AND 901 - 789 — ZONES - 789

WINTER POINTS	SUMMER POINTS	HOT WATER POINTS	CREDIT POINTS	PENALTY POINTS	
25.83 +	50.89 −	0 −	6 +	3 =	73.72 EPI

FEWER TOTAL POINTS ARE ENCOURAGE FOR MAXIMUM ENERGY SAVINGS

9F WINTER OVERHANG FACTOR (WOF)

FEET	N	NE	E	SE	S	SW	W	NW
0-0.99	1.00	0.99	0.85	0.75	0.83	0.96	1.00	1.00
1-1.99	1.00	0.99	0.85	0.76	0.84	0.96	1.00	1.00
2-2.99	1.00	0.99	0.86	0.77	0.86	0.99	1.00	1.00
3-3.99	1.00	0.99	0.87	0.80	0.87	0.99	1.00	1.00
4-4.99	1.00	0.99	0.89	0.83	0.90	0.99	1.00	1.00
5-5.99	1.00	0.99	0.91	0.86	0.92	1.00	1.00	1.00
6-6.99	1.00	0.99	0.92	0.90	0.94	1.00	1.00	1.00
7-7.99	1.00	1.00	0.94	0.92	0.96	1.00	1.00	1.00
8-8.99	1.00	1.00	0.96	0.95	0.97	1.00	1.00	1.00
9-9.99	1.00	1.00	0.97	0.97	0.98	1.00	1.00	1.00
10-10.99	1.00	1.00	0.98	0.98	0.99	1.00	1.00	1.00
11 & UP	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

9F SUMMER OVERHANG FACTOR (SOF)

FEET	N	NE	E	SE	S	SW	W	NW
0-0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1-1.99	1.00	1.00	0.99	0.99	0.98	0.99	0.99	1.00
2-2.99	1.00	0.98	0.95	0.93	0.92	0.93	0.95	0.98
3-3.99	1.00	0.95	0.89	0.87	0.86	0.87	0.89	0.95
4-4.99	1.00	0.91	0.84	0.81	0.80	0.81	0.84	0.91
5-5.99	0.99	0.86	0.80	0.76	0.76	0.76	0.80	0.86
6-6.99	0.99	0.85	0.76	0.72	0.72	0.72	0.76	0.85
7-7.99	0.99	0.83	0.72	0.68	0.70	0.68	0.72	0.83
8-8.99	0.98	0.81	0.69	0.66	0.68	0.66	0.69	0.81
9-9.99	0.98	0.79	0.67	0.64	0.66	0.64	0.67	0.79
10-10.99	0.98	0.78	0.65	0.62	0.65	0.62	0.65	0.78
11-11.99	0.97	0.76	0.63	0.61	0.65	0.61	0.63	0.76
12 & UP	0.97	0.76	0.62	0.59	0.64	0.59	0.62	0.76

9A HEATING SYSTEM MULTIPLIER (HSM)

HEAT PUMP	COP	2.0-2.19	2.2-2.39	2.4-2.59	2.6-2.79	2.8-2.99	3.0-3.19	3.2-3.39	3.4& UP
	HSM	0.50	0.46	0.42	0.38	0.34	0.30	0.26	0.22
SOLAR HEAT	(BACKUP SYSTEM FRACTION) X (BACKUP SYSTEM HSM)								
GAS HEAT	0.90								
OIL HEAT	0.78								
ELECTRIC STRIP HEAT	1.00								

9B COOLING SYSTEM MULTIPLIER (CSM)

ELECTRIC	SEER	6.0-6.99	7.0-7.49	7.5-7.99	8.0-8.49	8.5-8.99	9.0-9.49	9.5-9.99	10.0-10.49	10.5-10.99	11.0-11.99	12.0& UP
	CSM	1.00	0.93	0.87	0.81	0.76	0.72	0.68	0.66	0.62	0.59	0.56
GAS	COP	0.40-0.44		0.45-0.49		0.50-0.54		0.55-0.59	0.60-0.64	0.65-0.69		0.70& UP
	CSM	1.50		1.25		1.20		1.09	1.00	0.92		0.84

NOTE : SEER = COOLING MODE COP x 3.413 = ARI RATED COOLING OUTPUT IN BTUH ÷ TOTAL WATTS CONSUMED

9C HOT WATER CREDIT POINTS (HWP)

ELECTRIC	RESISTANCE HEATERS	0.0
GAS		7.0
SOLAR	MINIMUM CERTIFIED DCR OF 6,000 BTU PER BEDROOM AND 15 GALLON STORAGE PER BEDROOM	19.6
	MINIMUM CERTIFIED DCR OF 9,000 BTU PER BEDROOM AND 20 GALLON STORAGE PER BEDROOM	22.8
	MINIMUM CERTIFIED DCR OF 12,000 BTU PER BEDROOM AND 27 GALLON STORAGE PER BEDROOM	24.5
A/C HEAT RECOVERY UNIT	MINIMUM CERTIFIED RATING OF 1500 BTUH/TON MINIMUM HOT WATER STORAGE TANK 40 GALLONS	16.3
	MINIMUM CERTIFIED RATING OF 2500 BTUH/TON MINIMUM HOT WATER STORAGE TANK 40 GALLONS	17.9

NOTE: DAILY COLLECTION RATE (DCR) IS MEASURED AT 122°F USING FSEC STANDARD FLORIDA SOLAR DAY

STATE OF FLORIDA Department of Professional Regulation

CONSTRUCTION INDUSTRY LICENSING BOARD

EWING, ROBERT F
INDIVIDUAL
CERTIFIED GENERAL CONTRACTOR
HAS PAID THE FEE REQUIRED BY CHAPTER 489
FOR THE YEAR EXPIRING JUNE 30, 1981

Robert F Ewing
SIGNATURE

PLEASE READ IMPORTANT INFORMATION ON REVERSE

Reubin O'D Askew, GOVERNOR — Nancy Kelley Tuttle, SECRETARY OF PROFESSIONAL REGULATION

WALLET CARD — FOLD HERE

ONSTRUCTION INDUSTRY LICENSING BOARI
OST OFFICE BOX 2
ACKSONVILLE, FL 32201

AUDIT CONTROL NO.	FILE NO.	BATCH NO.	FEE AMOUNT
384142	CGC016672	1320	$150.00

TOWN OF SEWALL'S POINT, FLORIDA

CERTIFICATE OF APPROVAL FOR OCCUPANCY

Date 3/13/81

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

For property built under Permit No. 1255 Dated 12/12/80 when completed in conformance with the Approved Plans.

Signed ______________________

RECORD OF INSPECTIONS

Item	Date	Approved by
Set-backs and footings	12/19/80 S.B.	12/29/80 footings
Rough plumbing	12/12/80 2/13/81	
Slab	12/29/81	
Perimeter beam	—	
Close-in, roof and rough electric	2/13/81	
Final Plumbing	3/13/81	
Final Electric	3/13/81	

Final Inspection for Issuance of Certificate for Occupancy.

Approved by Building Inspector J. Annazucca date 3/13/81

Approved by Building Commissioner G.C. Strubell date 3/19/81

Utilities notified 3/13/81 date

Original Copy sent to ______________________

(Keep carbon copy for Town files)

2804

POOL AND DECK

Permit No. ___

Date 6-26-90

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

2804

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 Richard F. AND JOAN B. Gibbons Present Address 22 S.E. LANTANA LANE

Phone 283-4517 STUART, FL (SEWALLS POINT).

Contractor KLINE POOLS Address 2920 S.E. KENSINGTON AVE

Phone 283-6857

Where licensed Martin Co. License number 87-518-905

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: POOL AND DECK

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

22 S.E. LANTANA LANE

Subdivision RIO VISTA Lot number 42 Block number ___

Contract price $ 13,500 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 [signature]

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

Owner Richard F. Gibbons

TOWN RECORD

Date submitted ___ Approved: Dale Brown 6/25/90
Building Inspector Date

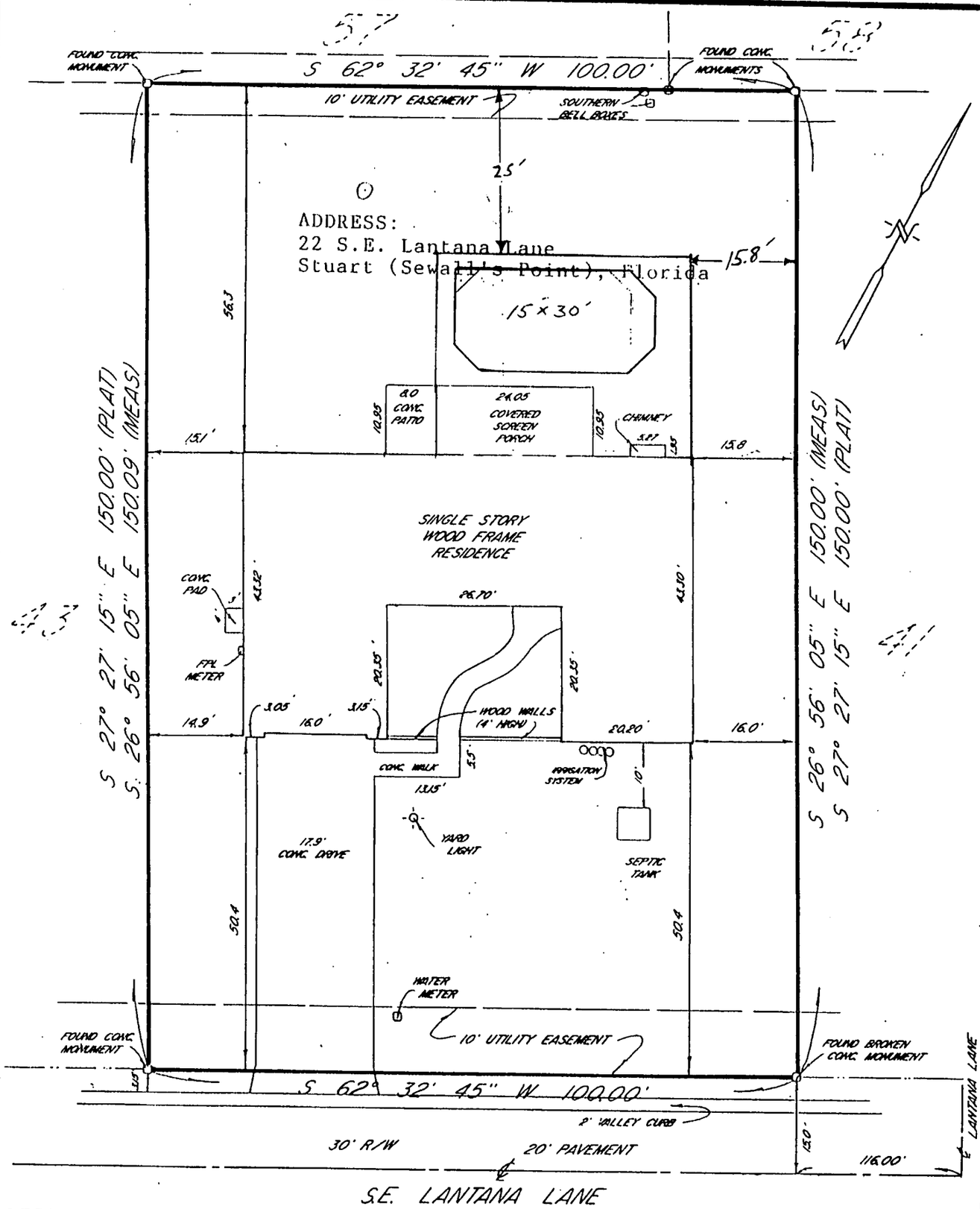
Approved: ___
Commissioner Date Final Approval given: ___
Date

Certificate of Occupancy issued (if applicable) ___
Date

SP1282

Permit No. ___

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



S.E. LANTANA LANE

LEGAL DESCRIPTION: LOT 42, RIO VISTA SUBDIVISION, according to the Plat thereof filed 12/11/75, in Plat Book 6, Page 95, of the Public Records of Martin County, Florida.

CERTIFIED TO: FIRST NATIONAL BANK & TRUST COMPANY OF THE TREASURE COAST, ITS SUCCESSORS OR ASSIGNS, ATIMA, CHICAGO TITLE INSURANCE COMPANY and RICHARD F. & JOAN B. GIBBONS

CERTIFICATE: This is to Certify that this SKETCH OF SURVEY, of the hereon described property, is true and correct to the best of my knowledge and belief, contains no visible encroachments, unless shown, and meets the Minimum Technical Standards set forth, by the Florida Board of Land Surveyors pursuant to Section 472.027, Florida Statutes.

NOTE: NOT VALID UNLESS SEALED WITH AN EMBOSSED SURVEYORS SEAL.

This SURVEY prepared from legal description supplied by client.

PROFESSIONAL LAND SURVEYOR
STATE OF FLORIDA REGISTRATION NO. 3152

Bearings based on Record Plat

Flood Zone "B"

REVISIONS

PROJECT NAME:

RICHARD F. & JOAN B. GIBBONS

PHILIP W. LANGBEHN
Professional Land Surveyor
1509 N.W. Lakeside Trail, Stuart, Fla. 33494
(305) 692-1254

Scale 1" = 20'	Field PL, NL	**Sheet** 1 Of 1	**Field Book** 33 **Pg.** 19	**FILE No.**
	Design			
Date 3/29/89	Drawn D.L.	**Drawing No**	**Work Order No.** 89 - 2010	
	Checked PWL			

BRUNING 44-232 71897

2827

POOL ENCLOSURE

Permit No. 2827 Date 7-30-90

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 Richard Gibbons Present Address SE Lantana Lane

Phone _____

Contractor Pioneer Screen Address 3121 SE Waaler St

Phone 283-9197 Stuart Fl.

Where licensed Martin County License number SP 00409

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:

Pool Enclosure

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

SE Lantana Lane

Subdivision Rio Vista Subdivision Lot number 42 Block number ____

Contract price $ 2000.00 Cost of permit $ 25XX

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 Craig Rice President

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

Owner Richard S. Gibbons

TOWN RECORD

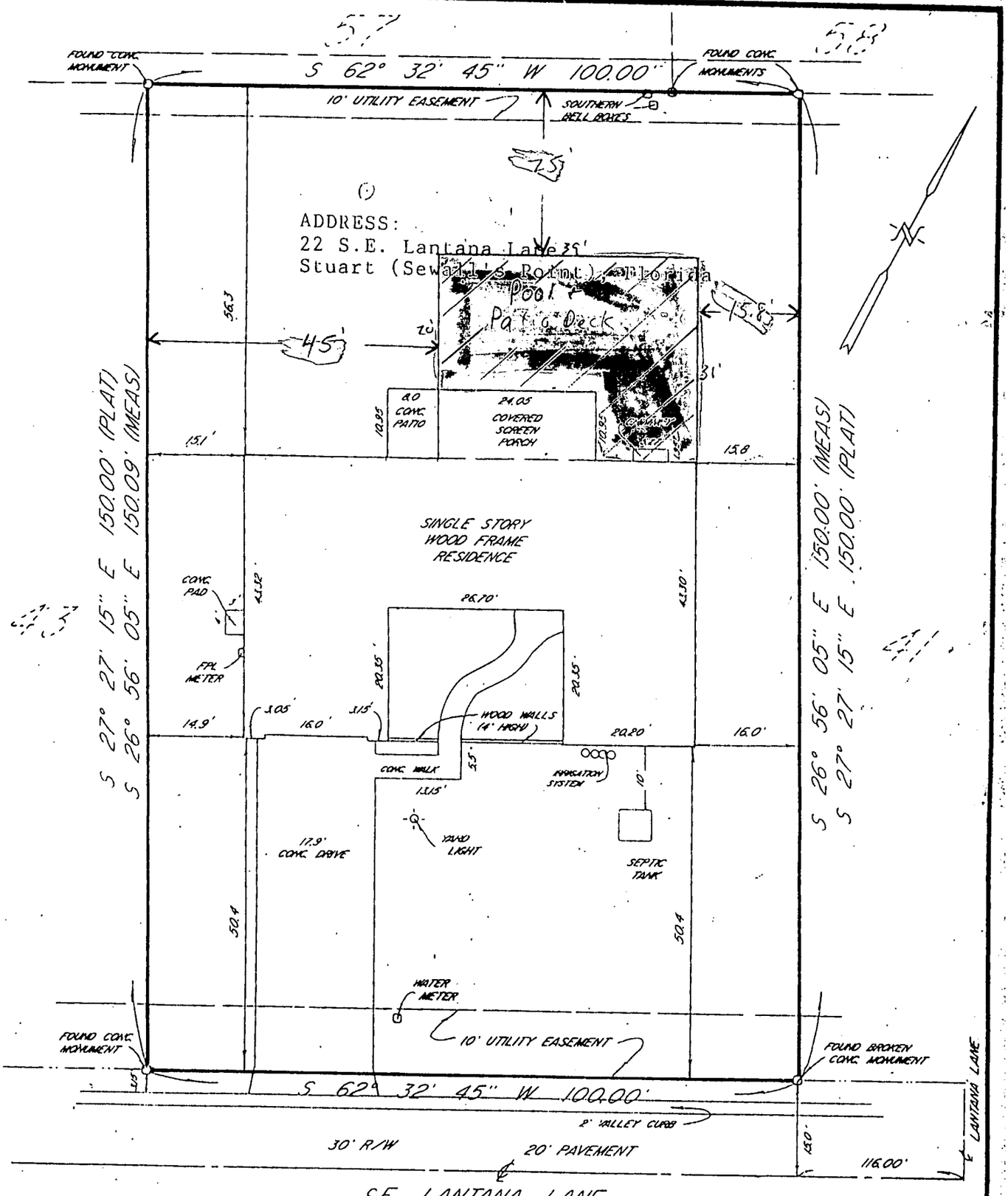
Date submitted 7-30-90 Approved: Dale Brown 8/6/90
Building Inspector Date

Approved: _____ Final Approval given: _____
Commissioner Date Date

Certificate of Occupancy issued (if applicable) _____
Date

SP1282 Permit No. 2827

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.



S.E. LANTANA LANE

LEGAL DESCRIPTION: LOT 42, RIO VISTA SUBDIVISION, according to the Plat thereof filed 12/11/75, in Plat Book 6, Page 95, of the Public Records of Martin County, Florida.

CERTIFIED TO: FIRST NATIONAL BANK & TRUST COMPANY OF THE TREASURE COAST, ITS SUCCESSORS OR ASSIGNS, ATIMA, CHICAGO TITLE INSURANCE COMPANY and RICHARD F. & JOAN B. GIBBONS

CERTIFICATE: This is to Certify that this SKETCH OF SURVEY, of the hereon described property, is true and correct to the best of my knowledge and belief, contains no visible encroachments, unless shown, and meets the Minimum Technical Standards set forth, by the Florida Board of Land Surveyors pursuant to Section 472.027, Florida Statutes.

NOTE: NOT VALID UNLESS SEALED WITH AN EMBOSSED SURVEYORS SEAL.

This SURVEY prepared from legal description supplied by client.

PROFESSIONAL LAND SURVEYOR
STATE OF FLORIDA REGISTRATION NO. 3152

Bearings based on Record Plat

Flood Zone "B"

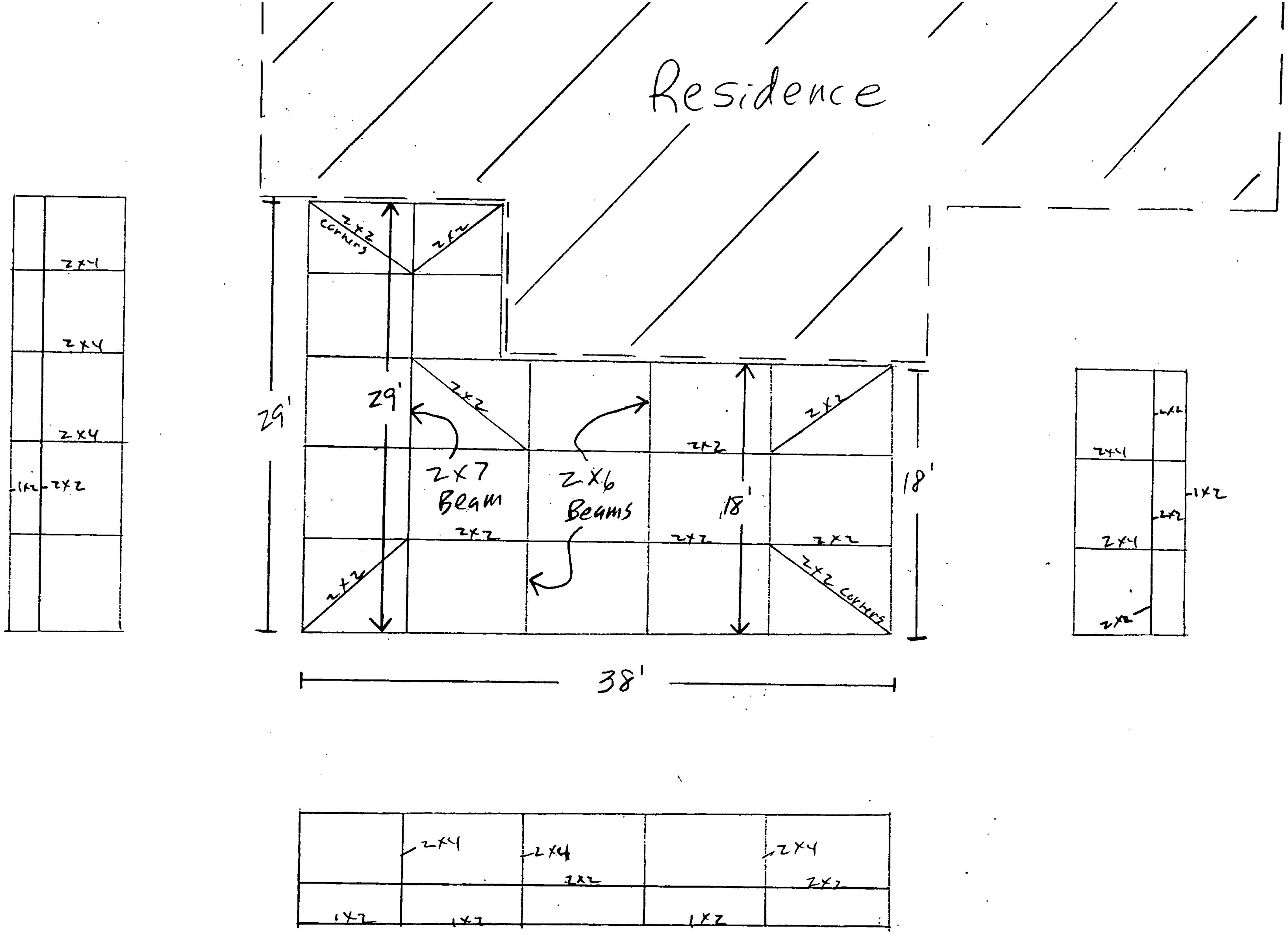
REVISIONS

PROJECT NAME:
RICHARD F. & JOAN B. GIBBONS

PHILIP W. LANGBEHN
Professional Land Surveyor
1509 N.W. Lakeside Trail, Stuart, Fla. 33494
(305) 692-1254

Scale	Field PL, NL	Sheet	Field Book	FILE No.
1" = 20'	Design	/ Of /	33 Pg. 19	
Date 3/29/89	Drawn D.L.	Drawing No	Work Order No. 89 - 2010	
	Checked PSLL.			

BRUNING 44-232 71897


Residence
2x2 corners
2x2
29'
29'
2x7 Beam
2x6 Beams
18'
18'
38'
2x4
2x4
2x4
1x2
2x2
2x2 corners
1x2
2x4
2x4
1x2
1x2
1x2

MARCH 1988

TREASURE COAST CHAPTER, INC
OF THE ALUMINUM ASSOCIATION OF FLORIDA

PREPARED BY:
NASH ENGINEERING, INC.
810 SATURN ST. SUITE 16
JUPITER, FLORIDA 33477
(305)747-7254

CLEATED ROOF PANS

ROOF PAN (ALLOY 3003 H-16)	PAN THICKNESS	SX	MAX. SPAN @ WIND VELOCITIES SHOWN		
			100MPH	110MPH	120MPH
1.75" PAN W/.032 CLEAT	.032	.238in³			10'
CLEAT ALTERNATIVES FOR 1-3/4" PAN					
T-BAR	.032				11'
T-BAR	.032				11'
EXTRUDED "T" CLEAT	.032				13'

NOTE:
PANS MAY OVERHANG 1/3 OF SIMPLE SPAN. SPANS MAY BE INCREASED 2% FOR EACH 12" OF OVERHANG UP TO 3'-0". CONSULT AN ENGINEER FOR GREATER OVERHANG.

INTERLOCKING ROOF PANS

ROOF PAN (ALLOY 3003 H-16)	PAN THICKNESS	Sx	MAX. SPAN @ WIND VELOCITIES SHOWN		
			100MPH	110MPH	120MPH
2" INTERLOCKING PANEL	.024	.450in³			13'-4"
	.032	.608in³			15'-6"
2" INTERLOCKING PANEL	.032	.346in³			11'-0"

NOTE:
PANS MAY OVERHANG 1/3 OF SIMPLE SPAN. SPANS MAY BE INCREASED 2% FOR EACH 12" OF OVERHANG UP TO 3'-0". CONSULT AN ENGINEER FOR GREATER OVERHANG.

1"x2" OPEN BACK

1"x2" OPEN BACK
ALLOY 6063-T5

A = 0.233in²
WT = 0.280#/L.F.
I = 0.1425in⁴
Sx = 0.1425in³

SPACING AND SPAN TABLES

SPACING	SCREEN ROOF 7# PER S.F.	SCREEN WALL 10# PER S.F.	SOLID WALL 25# PER S.F.	SOLID ROOF 30# PER S.F.
3'	8'-6"	7'-4"	4'-6"	4'-0"
4'	7'-4"	6'-2"	3'-10"	3'-6"
5'	6'-7"	5'-2"	3'-6"	3'-2"
6'	6'-0"	5'-0"	3'-2"	2'-10"
7'	5'-6"	4'-8"	2'-11"	2'-8"
8'	5'-2"	4'-4"	2'-9"	2'-6"
9'	4'-10"	4'-2"	2'-6"	2'-4"
10'	4'-8"	3'-10"	2'-5"	2'-3"

2"x2" PATIO BEAM

2"x2" PATIO BEAM
ALLOY 6063-T5

A = 0.412in²
WT = 0.494#/L.F.
I = 0.2133in⁴
Sx = 0.2133in³

SPACING AND SPAN TABLES

SPACING	SCREEN ROOF 7# PER S.F.	SCREEN WALL 10# PER S.F.	SOLID WALL 25# PER S.F.	SOLID ROOF 30# PER S.F.
3'	10'-5"	8'-8"	5'-6"	5'-0"
4'	9'-0"	7'-6"	4'-9"	4'-4"
5'	8'-0"	6'-9"	4'-3"	3'-10"
6'	7'-4"	6'-2"	3'-10"	3'-6"
7'	6'-10"	5'-8"	3'-6"	3'-4"
8'	6'-4"	5'-4"	3'-4"	3'-0"
9'	6'-0"	5'-0"	3'-2"	2'-11"
10'	5'-8"	4'-9"	3'-0"	2'-9"

2"x3" PATIO BEAM

2"x3" PATIO BEAM
ALLOY 6063-T5

A = 0.65in²
WT = 0.78#/L.F.
I = 0.741in⁴
Ry = 1.068in
Sb = 0.4358in³
Sx = 0.57in³

SPACING AND SPAN TABLES

SPACING	SCREEN ROOF 7# PER S.F.	SCREEN WALL 10# PER S.F.	SOLID WALL 25# PER S.F.	SOLID ROOF 30# PER S.F.
3'	16'-5"	13'-9"	8'-8"	8'-0"
4'	14'-3"	11'-11"	7'-6"	6'-11"
5'	12'-9"	10'-8"	6'-9"	6'-2"
6'	11'-8"	9'-9"	6'-2"	5'-7"
7'	10'-9"	9'-1"	5'-8"	5'-2"
8'	10'-1"	8'-5"	5'-4"	4'-10"
9'	9'-6"	7'-11"	5'-0"	4'-7"
10'	9'-1"	7'-8"	4'-9"	4'-4"

2"x4" SELF MATING BEAM

2"x4" SELF MATING BEAM
ALLOY 6063-T6
WALL = .050
FLANGE = .120

A = 0.950in²
WT = 1.14#/L.F.
I = 2.45in⁴
Sx = 1.25in³

SPACING AND SPAN TABLES

SPACING	SCREEN ROOF 7# PER S.F.	SCREEN WALL 10# PER S.F.	SOLID WALL 25# PER S.F.	SOLID ROOF 30# PER S.F.
3'	25'-0"	20'-11"	13'-3"	12'-0"
4'	21'-8"	18'-1"	11'-5"	10'-5"
5'	19'-4"	16'-2"	10'-3"	9'-4"
6'	17'-8"	14'-9"	9'-4"	8'-8"
7'	16'-4"	13'-8"	8'-8"	7'-11"
8'	15'-3"	12'-10"	8'-0"	7'-4"
9'	14'-4"	12'-0"	7'-8"	7'-0"
10'	13'-8"	11'-5"	7'-3"	6'-7"

2"x6" SELF MATING BEAM

2"x6" SELF MATING BEAM
ALLOY 6063-T6

A = 1.396in²
WT = 1.67#/L.F.
I = 8.46in⁴
Sx = 2.82in³

SPACING AND SPAN TABLES

SPACING	SCREEN ROOF 7# PER S.F.	SCREEN WALL 10# PER S.F.	SOLID WALL 25# PER S.F.	SOLID ROOF 30# PER S.F.
3'	37'-10"	31'-8"	20'-0"	18'-3"
4'	32'-9"	27'-5"	17'-4"	15'-10"
5'	29'-4"	24'-6"	15'-6"	14'-2"
6'	26'-9"	22'-5"	14'-2"	12'-11"
7'	24'-9"	20'-6"	13'-1"	12'-0"
8'	23'-2"	19'-5"	12'-3"	11'-2"
9'	21'-10"	18'-3"	11'-6"	10'-6"
10'	20'-9"	17'-4"	11'-0"	10'-0"

2"x9" SELF MATING BEAM

2"x9" SELF MATING BEAM
ALLOY 6063-T6

A = 2.630 S.I.
WT = 1.578#/L.F.
Sx = 7.21in³

MAXIMUM CLEAR SPAN FOR SCREENED ROOF BEAMS AT VARIOUS BEAM SPACING

5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
---	---	52'-6"	50'-0"	48'-8"	47'-0"	45'-8"

2"x7" SELF MATING BEAM

2"x7" SELF MATING BEAM
ALLOY 6063-T6

A = 1.782in²
WT = 2.14#/L.F.
I = 17.139in⁴
Sx = 4.89in³

SPACING AND SPAN TABLES

SPACING	SCREEN ROOF 7# PER S.F.	SCREEN WALL 10# PER S.F.	SOLID WALL 25# PER S.F.	SOLID ROOF 30# PER S.F.
3'	49'-4"	41'-4"	26'-2"	23'-10"
4'	43'-9"	35'-9"	22'-8"	20'-8"
5'	38'-3"	32'-0"	20'-3"	18'-5"
6'	35'-0"	29'-2"	18'-5"	16'-10"
7'	32'-4"	27'-0"	17'-1"	15'-7"
8'	30'-3"	25'-3"	16'-0"	14'-7"
9'	28'-6"	23'-10"	15'-0"	13'-9"
10'	27'-0"	22'-8"	14'-4"	13'-0"

2"x3" PATIO BEAM

2"x4" SELF MATING BEAM

2"x6" SELF MATING BEAM

2"x7" SELF MATING BEAM

DATE	BY	DESCRIPTION
4-8-88	JC	MOVED DETAILS ARAOUND ON ALL 5 PAGES
4-25-88	JC	ADDED SPAN DEFINITION SHTS

REVISIONS

TREASURE COAST CHAPTER, INC.
OF THE ALUMINUM ASSOCIATION
OF FLORIDA

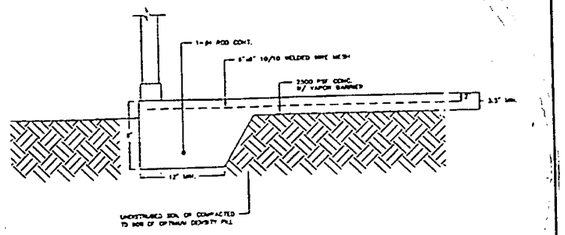
ENGINEERING INC
810 SATURN ST., SUITE 16 JUPITER FL. 33477 (305)747-7254

ALUMINUM CONSTRUCTION DETAILS

DRAWN COMPTON
CHECKED NASH
SCALE N.T.S.
DATE MARCH 1988
JOB NO. 86010

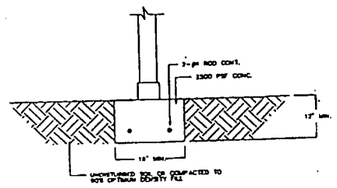
SEAL

SHEET 1 OF FIVE SHEETS



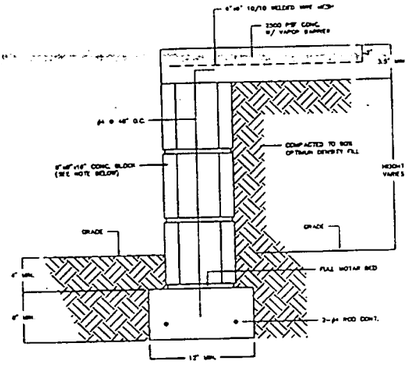
(NEW) SLAB ON GRADE

ALUMINUM SCREEN ROOMS, GLASS ROOMS, PATIO COVERS AND CARPORTS



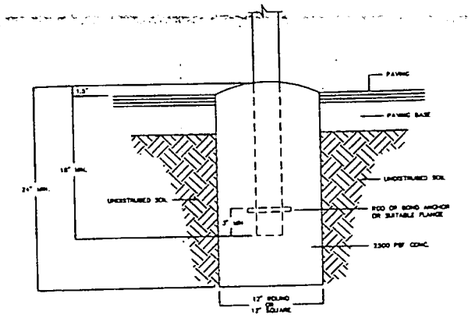
CONTINUOUS WALL FOOTING

FOR ALUMINUM ENCLOSURES WITH SOLID ALUMINUM ROOFS

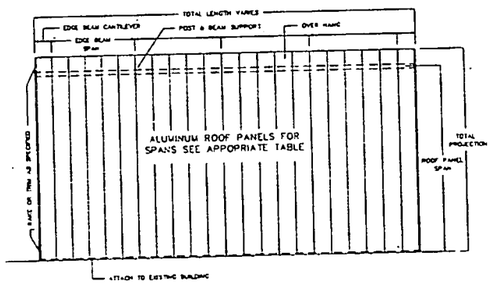


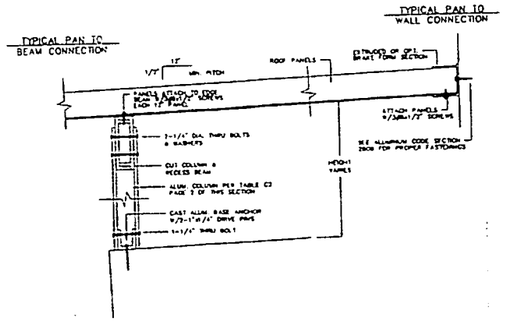
RAISED SLAB

WITH 8" CONC. BLOCK FOR ALUMINUM SCREEN ROOMS, GLASS ROOMS AND PATIO COVERS



PIER TYPE FOOTING





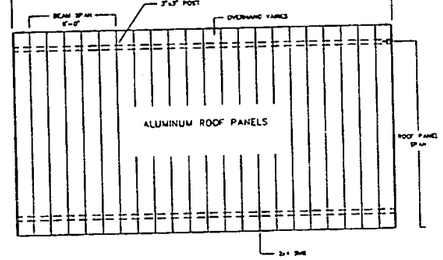
CARPORT

(ATTACHED)

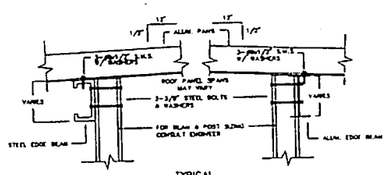
BEAM SIZE AND SHAPE	MAXIMUM CLEAR BEAM SPANS CONT. EDGE BEAM FOR ROOF SPANS BELOW 10'	12'	14'	15'	16'	TYPICAL POST SIZE & NO. OF BASE ANCHORS
3"x3"x.040"	6'-10"	6'-3"	4'-8"	3'-11"	3'-10"	3"x3"x.040" POST W/3.25" DIA. ANCHORS
3"x3"x.000"	9'-1"	8'-10"	5'-6"	5'-3"	5'-0"	FLAG POST W/2.25" DIA. ANCHORS
1.5"x3"x.095"	5'-5"	5'-0"	4'-8"	4'-5"	4'-3"	
3"x6" S.W. BEAM	12'-0"	9'-11"	8'-8"	8'-3"	8'-0"	3"x3"x.000" OR 3"x3" POST W/MIN. OF 1-.375" BOLTS (OR) +-.33" BOLTS
3"x7" S.W. BEAM W/WELDS	13'-0"	11'-0"	10'-1"	9'-8"	9'-4"	
3"x8" S.W. BEAM	13'-3"	12'-1"	11'-3"	10'-8"	10'-0"	
3"x12" S.W. BEAM	20'-0"	18'-3"	17'-0"	16'-1"	15'-6"	3"x3" POST W/MIN. OF 2-.375 ANCHOR BOLTS & .33" ANCHOR BOLTS
3"x7" S.W. BEAM W/WELDS	22'-6"	20'-10"	19'-3"	18'-6"	18'-0"	
3"x7" I BEAM	17'-6"	16'-0"	14'-10"	14'-4"	14'-0"	
3"x7" I BEAM W/SNAP	18'-3"	16'-8"	15'-8"	15'-3"	15'-0"	
4"x8" I BEAM W/SNAP	20'-0"	18'-1"	16'-10"	16'-3"	15'-9"	

EDGE BEAM & POST SPAN TABLE C-1

(ATTACHED ROOFS ONLY)



PLAN

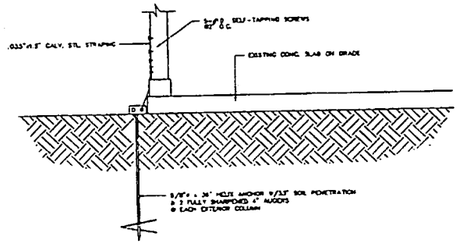


TYPICAL

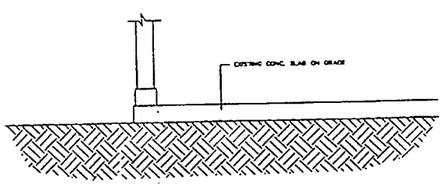
NOTE: FOR BEAM & POST SIZING CONSULT ENGINEER SEE THIS SHEET, CARPORT (ATTACHED), FOR DETAILS

CARPORT

(FREE STANDING)



WITH SOLID ALUMINUM ROOF



WITH SCREEN ROOF

EXISTING SLAB ON GRADE

(ALL ALUMINUM CONTRUCTION ENCLOSER)

DATE	BY	DESCRIPTION
3-24-88	JC	DETAILS 2-1, 2-2, 2-3, 2-4 UPDATED
4-8-88	JC	MOVED DETAILS AROUND ON ALL 5 PAGES
4-25-88	JC	ADDED WIND DEFINITION SHTS

REVISIONS

TREASURE COAST CHAPTER, INC.
OF THE ALUMINUM ASSOCIATION
OF FLORIDA

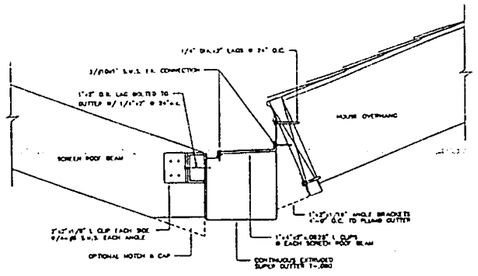
ENGINEERING INC.
810 SATURN ST., SUITE 16 JUPITER FL. 33477 (305)747-7254

ALUMINUM CONSTRUCTION DETAILS

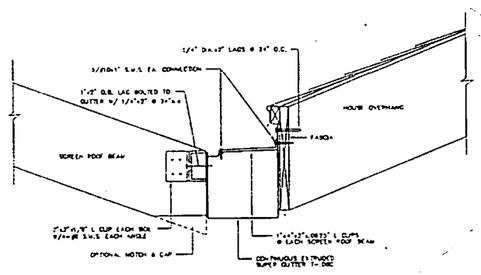
DRAWN	COMPTON
CHECKED	WASH
SCALE	N.T.S.
DATE	MARCH 1988
JOB NO.	88018

SEAL

SHEET 2 OF FIVE SHEETS



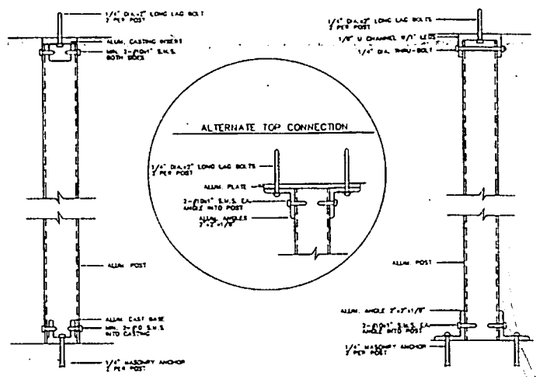
("CANTED" FASCIA TYPICAL)



("PLUMB" FASCIA TYPICAL)

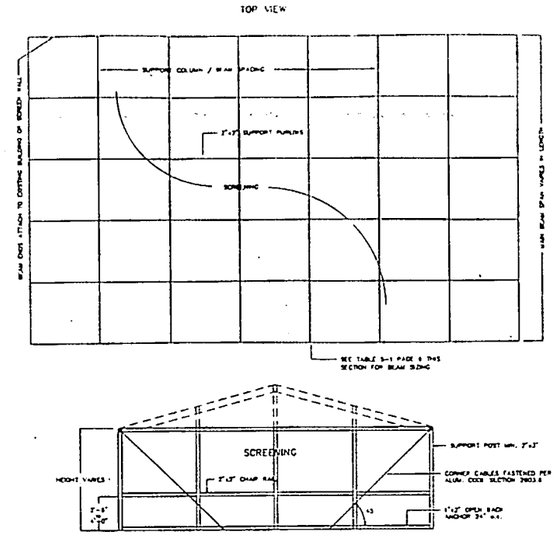
SUPER GUTTER = FASCIA ATTACHMENT

TYPICAL POST CONNECTIONS



NOTE: ANGLES MAY HAVE 1 LEG INSIDE POST

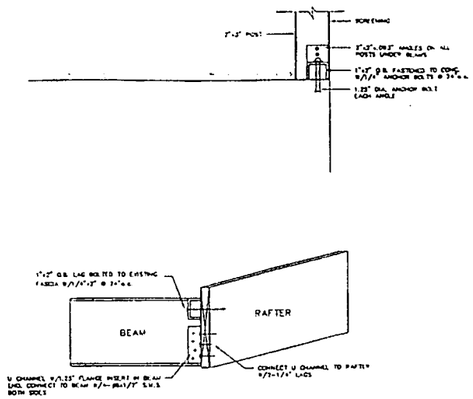
SCREEN ROOM
(UNDER WOOD ROOF)



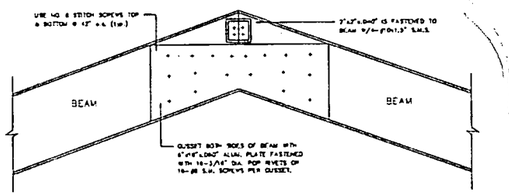
SIDE END ELEVATION

SEE SHEET 5 FOR SPAN DEFINITION

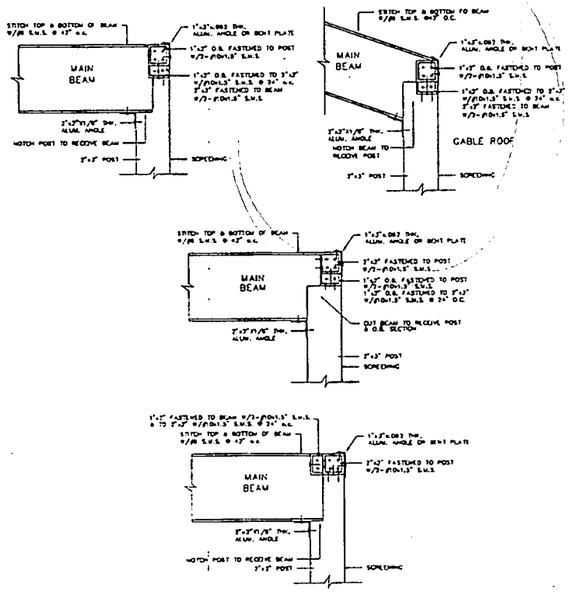
POOL ENCLOSURE
(TYPICAL)



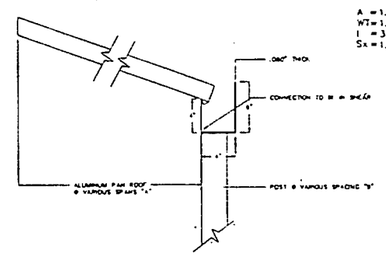
POOL ENCLOSURE & SCREEN ROOM WITH SCREEN ROOF



POOL ENCLOSURE
(CONNECTION TYPICALS)



POOL ENCLOSURE
(POST TO BEAM TYPICALS)



SPAN TABLE - FOR SUPER GUTTER AS EDGE BEAM						
	VARIOUS SPANS OF PAN ROOF A					
	8'	10'	12'	14'	16'	
GUTTER/EDGE BEAM SPAN B	13'-9"	12'-4"	11'-3"	10'-5"	9'-9"	

SUPER GUTTER AS EDGE BEAM SPAN TABLE C-2

BEAM SIZE	MAXIMUM CLEAR SPAN FOR SCREENED ROOF BEAMS @ VARIOUS SPACING							
	2'-0" O.C.	3'-0" O.C.	3'-6" O.C.	4'-0" O.C.	4'-6" O.C.	5'-0" O.C.	7'-0" O.C.	8'-0" O.C.
2"x6" S.M. BEAM Sx = 1.73	21'-8"	19'-4"	18'-6"	17'-8"	17'-0"	16'-4"	15'-10"	15'-3"
2"x6" S.M. BEAM W/ INSERT Sx = 1.748	25'-5"	22'-9"	21'-9"	20'-9"	20'-0"	19'-3"	18'-8"	18'-0"
2"x8" S.M. BEAM Sx = 3.63	32'-9"	29'-4"	28'-0"	26'-9"	25'-9"	24'-9"	24'-0"	23'-2"
2"x7" S.M. BEAM Sx = 4.88	42'-9"	38'-3"	36'-7"	35'-0"	33'-8"	32'-4"	31'-4"	30'-3"
2"x7" S.M. BEAM W/ INSERT Sx = 6.33	49'-2"	44'-0"	42'-0"	40'-2"	38'-8"	37'-2"	36'-0"	34'-9"
3"x7" I BEAM W/ SNAP Sx = 5.09	25'-10"	25'-0"	24'-3"	23'-7"	23'-0"	22'-5"	21'-11"	21'-5"
3"x7" I BEAM W/ SNAP Sx = 3.19	34'-10"	31'-1"	29'-10"	28'-6"	27'-5"	26'-4"	25'-5"	24'-8"
4"x8" I BEAM W/SNAP Sx = 4.43	47'-10"	38'-4"	36'-8"	35'-0"	33'-9"	32'-5"	31'-5"	30'-4"
2"x9" S.M. BEAM Sx = 7.71	--	--	--	52'-6"	50'-0"	48'-8"	47'-0"	45'-6"

NOTE: THIS TABLE OS BASED ON:

WINDLOAD OF 120 MPH	LIVELOAD = 7 LBS/SQ. FT.	SCREEN MESH 18x14

SCREEN ROOF BEAM - SPAN TABLE S-1

DATE	BY	DESCRIPTION
3-24-88	JC	DETAIL 3-4 UPDATED
4-8-88	JC	MOVED DETAILS AROUND ON ALL 5 PAGES
4-25-88	JC	ADDED SPAN DEFINITION TO SHT. 5
REVISIONS		

TREASURE COAST CHAPTER, INC.
OF THE ALUMINUM ASSOCIATION
OF FLORIDA

ENGINEERING INC
810 SATURN ST., SUITE 16 JUPITER FL. 33477 (305)747-7254

ALUMINUM CONSTRUCTION DETAILS

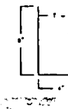
DRAWN	COMPTON
CHECKED	NASH
SCALE	N.T.S.
DATE	MARCH 1988
JOB NO.	88017

SEAL

SHEET 3 OF FINAL SHEETS

SUPER GUTTER
ALLOY 6063-T6

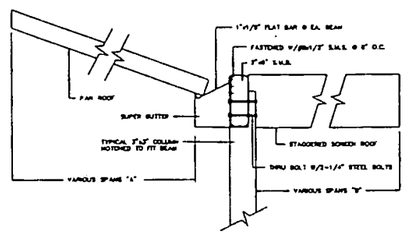
A = 1.20in²
WT= 1.44#/L.F.
I = 3.946in⁴
Sx = 1.973in³



2"x6" S.M.B.
ALLOY 6063-T6

A = 1.396in²
WT= 1.67#/L.F.
I = 8.46in⁴
Sx = 2.82in³

COMBINATION Sx = 4.80in³



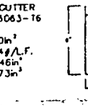
SPAN TABLE - FOR COMBINATION - SUPER GUTTER + 2"x6" S.M.B.

VARIOUS SPANS OF ROOF PANS "A"	VARIOUS SPANS OF SCREEN ROOFS "B"												
	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'	38'	40'	42'
4'-0"	20'-5"	19'-10"	18'-6"	18'-10"	18'-4"	17'-10"	17'-6"	17'-1"	16'-8"	16'-6"	16'-3"	15'-10"	15'-6"
6'-0"	18'-5"	16'-8"	17'-6"	17'-3"	16'-10"	16'-6"	16'-3"	15'-10"	15'-7"	15'-4"	15'-1"	14'-10"	14'-7"
8'-0"	17'-0"	16'-6"	16'-3"	16'-0"	15'-6"	15'-3"	15'-1"	14'-11"	14'-8"	14'-6"	14'-3"	14'-0"	13'-10"
10'-0"	15'-6"	15'-6"	15'-3"	15'-0"	14'-6"	14'-3"	14'-1"	14'-0"	13'-10"	13'-8"	13'-5"	13'-3"	13'-1"
12'-0"	14'-10"	14'-7"	14'-6"	14'-3"	14'-0"	13'-9"	13'-6"	13'-4"	13'-3"	13'-0"	12'-10"	12'-8"	12'-6"
14'-0"	14'-0"	13'-10"	13'-7"	13'-5"	13'-3"	13'-0"	12'-11"	12'-10"	12'-8"	12'-6"	12'-4"	12'-3"	12'-0"

CARRIER BEAM - SPAN TABLE S-2
(SUPER GUTTER & 2"x6" S.M.B.)

SUPER GUTTER
ALLOY 6063-T6

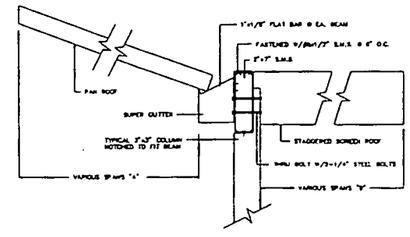
A = 1.20in²
WT= 1.44#/L.F.
I = 3.946in⁴
Sx = 1.973in³



2"x7" S.M.B.
ALLOY 6063-T6

A = 1.782in²
WT= 2.14#/L.F.
I = 17.139in⁴
Sx = 4.89in³

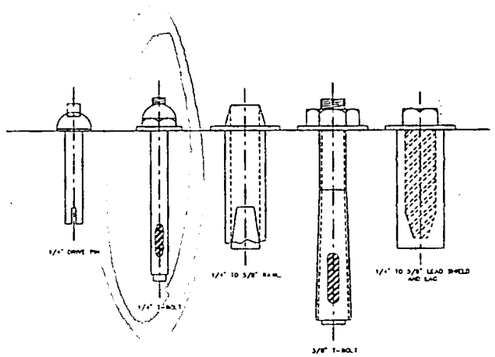
COMBINATION Sx = 6.87in³



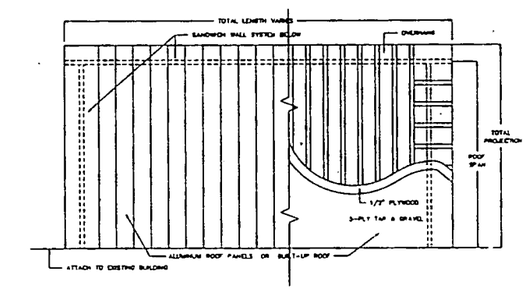
SPAN TABLE - FOR COMBINATION - SUPER GUTTER + 2"x7" S.M.B.

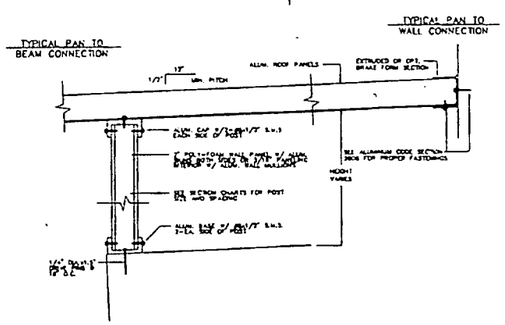
VARIOUS SPANS OF ROOF PANS "A"	VARIOUS SPANS OF SCREEN ROOFS "B"												
	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'	38'	40'	42'
4'-0"	24'-6"	23'-8"	23'-0"	22'-4"	22'-0"	21'-8"	21'-0"	20'-8"	20'-0"	19'-7"	19'-3"	18'-11"	18'-7"
6'-0"	22'-6"	21'-6"	21'-0"	20'-7"	20'-3"	19'-9"	19'-5"	19'-0"	18'-8"	18'-4"	18'-0"	17'-8"	17'-6"
8'-0"	20'-2"	19'-11"	19'-6"	19'-3"	18'-10"	18'-6"	18'-1"	17'-10"	17'-8"	17'-5"	17'-2"	17'-0"	16'-8"
10'-0"	18'-10"	18'-7"	18'-3"	18'-0"	17'-8"	17'-4"	17'-1"	16'-10"	16'-7"	16'-4"	16'-2"	16'-0"	15'-8"
12'-0"	17'-8"	17'-5"	17'1"	16'-11"	16'-8"	16'-5"	16'-2"	16'-0"	15'-10"	15'-7"	15'-5"	15'-3"	15'-1"
14'-0"	16'-8"	16'-6"	16'-3"	16'-0"	15'-10"	15'-8"	15'-5"	15'-3"	15'-1"	14'-11"	14'-9"	14'-7"	14'-5"

CARRIER BEAM - SPAN TABLE S-3
(SUPER GUTTER & 2"x7" S.B.W.)



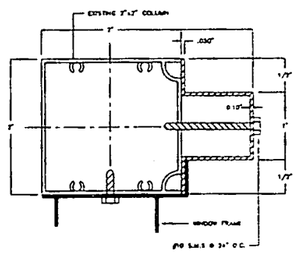
MASONRY - CONCRETE FASTENERS





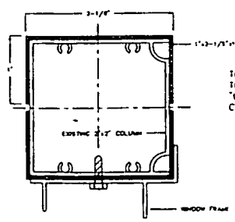
GLASS ROOMS
(SANDWICH SYSTEM)

CONVERSION DETAIL ONE



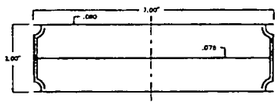
TO CONVERT EXISTING SCREEN ROOM TO GLASS ENCLOSURE, ADD ALUMINUM HAT CHANNEL (A.A.F.-1) TO EXISTING COLUMN, FROM HEADER TO BASE.

CONVERSION DETAIL TWO



TO CONVERT EXISTING SCREEN ROOM TO GLASS ENCLOSURE, ADD ALUMINUM "U" CHANNEL ALLOY 6063-T6 TO EXISTING COLUMN, FROM HEADER TO BASE.

GLASS ROOM "HAT"
(REINFORCEMENT OF .040 POST)



2"x7" SELF MATING BEAM
WITH INSERT
ALLOY 6063-T6

A = 2.501 S.I.
WT= 2.93#/L.F.
I = 21.699in⁴
Sx = 6.35in³

SPACING AND SPAN TABLES

SPACING	SCREEN ROOF 7# PER S.F.	SCREEN WALL 10# PER S.F.	SOLID WALL 25# PER S.F.	SOLID ROOF 30# PER S.F.
3'	56'-9"	47'-6"	30'-0"	27'-5"
4'	49'-2"	41'-2"	26'-0"	23'-9"
5'	44'-0"	36'-10"	24'-3"	21'-3"
6'	40'-2"	33'-6"	21'-3"	19'-4"
7'	37'-2"	31'-1"	19'-8"	17'-11"
8'	34'-9"	29'-0"	18'-5"	16'-0"
9'	32'-9"	27'-5"	17'-4"	15'-10"
10'	31'-0"	26'-0"	16'-5"	15'-0"

2"x7" S.M.B. WITH INSERT

DATE	BY	DESCRIPTION
3-23-88	JC	DETAILS 4-1, 4-2, 4-6 UPDATED
4-6-88	JC	MOVED DETAILS ARAOUND ON ALL 5 PAGES
4-15-88	JC	ADDED SPAN DEFINITION SHT 5
		REVISIONS

TREASURE COAST CHAPTER, INC.
OF THE ALUMINUM ASSOCIATION
OF FLORIDA

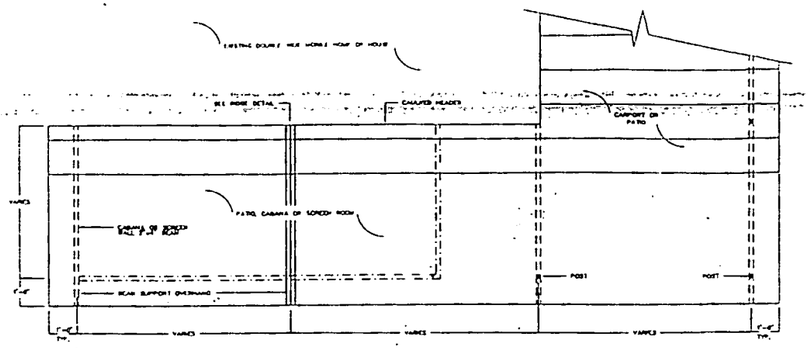
ENGINEERING INC
810 SATURN ST., SUITE 16 JUPITER FL. 33477 (305)747-7254

ALUMINUM CONSTRUCTION DETAILS

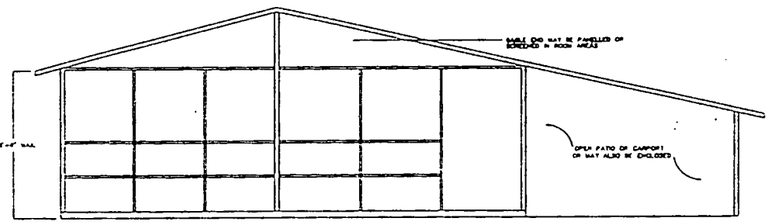
DRAWN	COMPTON
CHECKED	NASH
SCALE	N.T.S.
DATE	MARCH 1988
JOB NO.	8801B

SEAL

SHEET 4 OF FIVE SHEETS

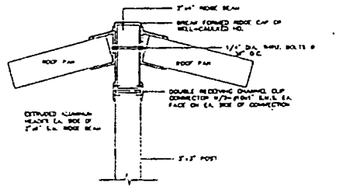


TYPICAL PLAN VIEW



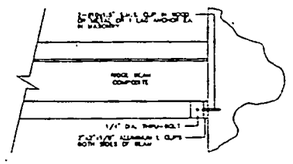
TYPICAL ELEVATION

ATTACHED A-FRAME COMBINATION PATIO-CABANA OR CARPORT



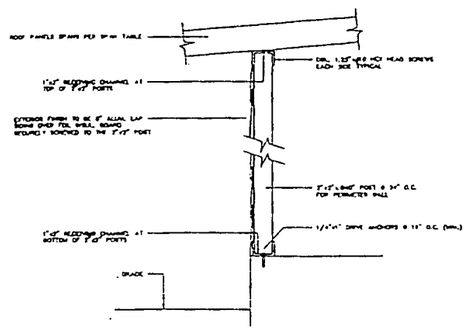
TYPICAL DETAIL

RIDGE BEAM



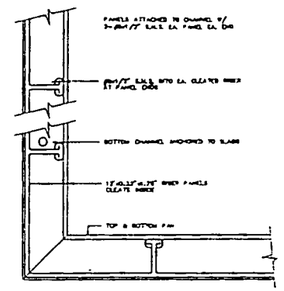
END CONNECTION

RIDGE BEAM



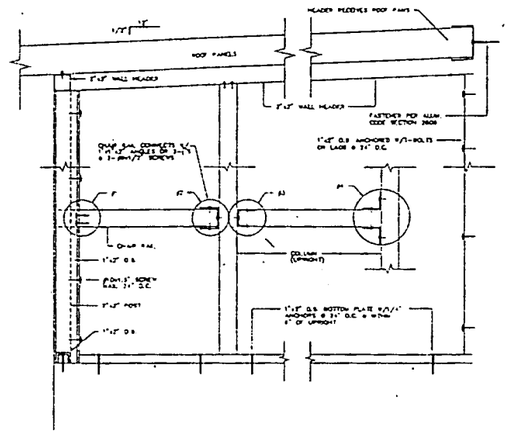
TYPICAL SECTION

TYPICAL UTILITY ROOM



WALL DETAIL

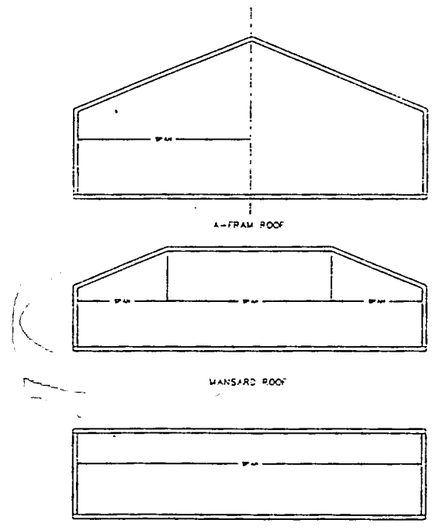
TYPICAL UTILITY ROOM



CHAIR RAIL CONNECTION ALTERNATIVES (PER CHAP. XXVII SECTION 2803.)

1. INTERNAL SCREWS
2. EXTERNAL SCREWS
3. INTERNAL "U" CHANNEL
4. EXTERNAL ANGLES

SCREEN ROOM (WITH "ALUMINUM" ROOF)



SPAN DEFINITION

DATE	BY	DESCRIPTION
3-23-88	JC	DETAIL 3-6 UPDATED & DETAIL 3-7 ADDED
4-8-88	JC	MOVED DETAILS AROUND ON ALL 5 PAGES
4-25-88	JC	ADDED SPAN DEFINITION TO SHT. 5

REVISIONS

TREASURE COAST CHAPTER, INC.
OF THE ALUMINUM ASSOCIATION
OF FLORIDA

ENGINEERING INC

ALUMINUM CONSTRUCTION DETAILS

DRAWN	COMPTON
CHECKED	NASH
SCALE	N.T.S.
DATE	MARCH 1988
JOB NO.	88014

4/27/88

SHEET 5 OF 5 SHEETS

2829

FENCE

Permit No. 2829

Date 8/2/90

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 Richard + Joan Gibbons Present Address 22 S.E. LANTANA LN.

Phone 283-4517 Sewall's Pt. FL.

Contractor ALL AMERICAN FENCE Address 554. N.W. MARION AVE

Phone 878-1650 PT. ST. LUCIE

Where licensed SP 00872 License number

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: 6' High WOOD FENCE (274')

22. S.E. LANTANA LN.

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

Subdivision Rio Vista Lot number 42 Block number

Contract price $ 2400.00 Cost of permit $

Plans approved as submitted Plans approved as marked

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

Contractor Michael J. Dempsey

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 Joan B. Gibbons

TOWN RECORD

Date submitted Approved: Dale Brown 8/7/90
Building Inspector Date

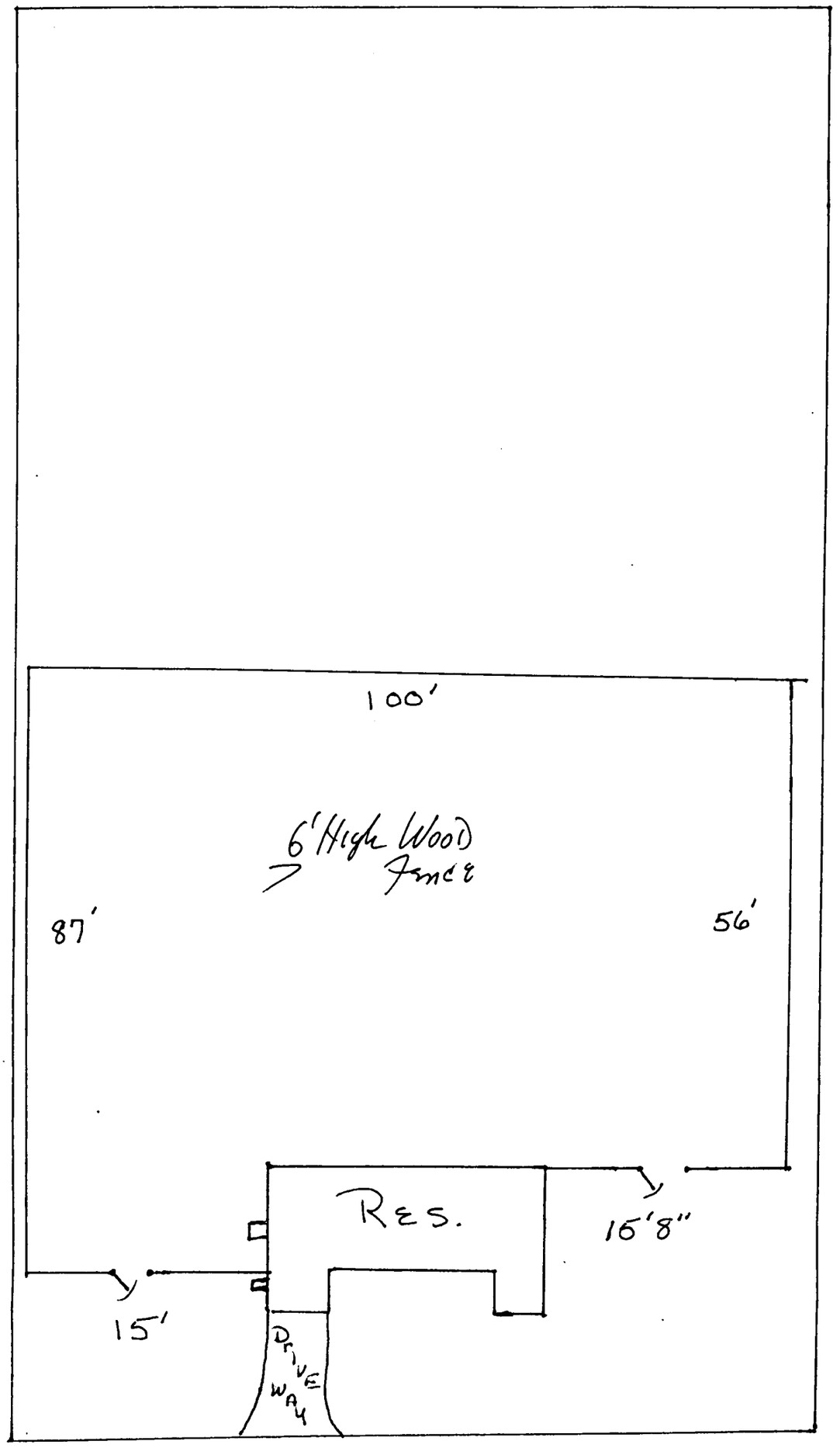
Approved: Final Approval given:
Commissioner Date Date

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.



S.E. LANTANA LANE

PLOT PLAN

3102

COURTYARD

Date November 29, '91

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

3102

286 295-0 Les Gordon

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 Richard F. Gibbons Present Address 22 Lantana Ln.

Phone 283-4517 Stuart, FL 34996

Contractor owner Address

Phone

Where licensed License number

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: Courtyard - 8'D x 12'L x 7'H constructed of 5/8" plywood siding; color to match house

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

22 Lantana Lane Stuart, FL 34996

Subdivision Rio Vista Lot number 42 Block number

Contract price $ 400.00 XX Cost of permit $

Plans approved as submitted Plans approved as marked

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

Contractor Richard F. Gibbons

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

Owner Richard F. Gibbons

TOWN RECORD

Date submitted Approved: Dale Brown 12/6/91
Building Inspector Date

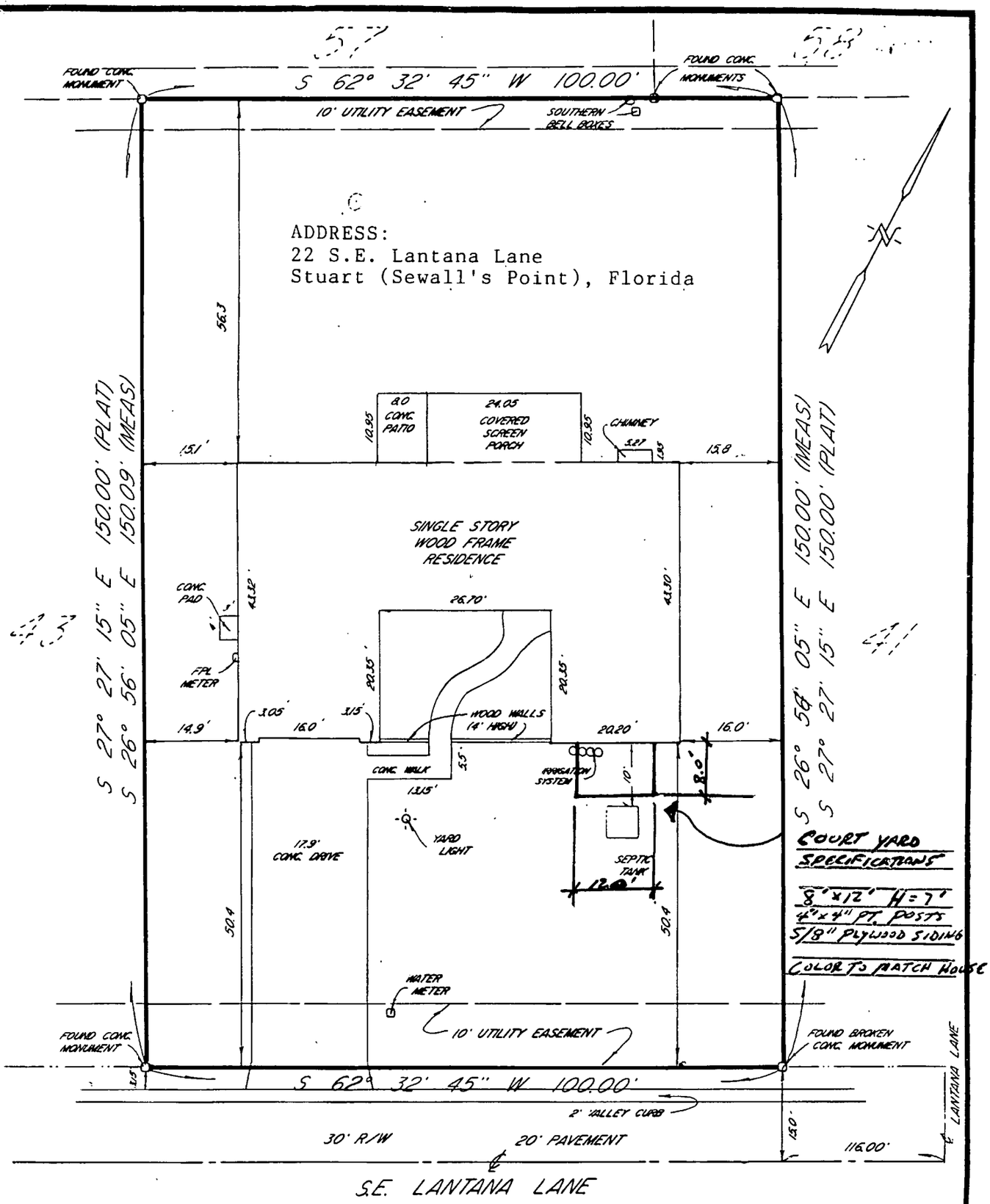
Approved: Final Approval given:
Commissioner Date Date

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.



LEGAL DESCRIPTION: LOT 42, RIO VISTA SUBDIVISION, according to the Plat thereof filed 12/11/75, in Plat Book 6, Page 95, of the Public Records of Martin County, Florida.

CERTIFIED TO: FIRST NATIONAL BANK & TRUST COMPANY OF THE TREASURE COAST, ITS SUCCESSORS OR ASSIGNS, ATIMA, CHICAGO TITLE INSURANCE COMPANY and RICHARD F. & JOAN B. GIBBONS

CERTIFICATE: This is to Certify that this SKETCH OF SURVEY, of the hereon described property, is true and correct to the best of my knowledge and belief, contains no visible encroachments, unless shown, and meets the Minimum Technical Standards set forth, by the Florida Board of Land Surveyors pursuant to Section 472.027, Florida Statutes.

NOTE: NOT VALID UNLESS SEALED WITH AN EMBOSSED SURVEYORS SEAL.

This SURVEY prepared from legal description supplied by client.

PROFESSIONAL LAND SURVEYOR
STATE OF FLORIDA REGISTRATION NO. 3152

Bearings based on Record Plat

Flood Zone "B"

REVISIONS

PROJECT NAME:

RICHARD F. & JOAN B. GIBBONS

PHILIP W. LANGBEHN
Professional Land Surveyor
1509 N.W. Lakeside Trail, Stuart, Fla. 33494
(305) 692-1254

Scale	Field PL, NL	Sheet	Field Book	FILE No.
1" = 20'	Design	1 Of 1	33 Pg. 19	
Date 3/29/89	Drawn D.L.	Drawing No	Work Order No. 89 - 2010.	
	Checked PWL			

BRUNING 44-232 71897

4526

REROOF

Town of Sewall's Point

P.I.N. _____ Date 12/4/98

RECEIVED
DEC 21 1998

ACCESSORY STRUCTURE PERMIT APPLICATION

to construct:

- ☐ DOCK requires prerequisite approval from State and Army Corps of Engineers.
- ☐ BULKHEAD requires prerequisite approval from State and Army Corps of Engineers.
- ☐ DETACHED GARAGE ☐ SWIMMING POOL ☐ WALL
- ☐ SOLAR WATER HEATER ☐ SCREENED ENCLOSURE
- ☐ FENCE may not require sealed drawings.
- ☒ OTHER: RE ROOF

Owner's Name JOAN AND RICHARD GIBBONS

Owner's Address #22 LANTANA LANE

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

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

City _____ State _____ Zip _____

Contractor's Name PACIFIC ROOFING

Contractor's Address P.O. BOX 2697

City STUART State FL Zip 34995

Job Name GIBBONS RES.

Job Address #22 LANTANA LANE

City SEWALLS POINT County MARTIN

Legal Description _____

Bonding Company _____

Bonding Company Address _____

City _____ State _____

Architect/Engineer's Name _____

Architect/Engineer's Address _____

Mortgage Lender's Name _____

Mortgage Lender's Address _____

(2,200

Application is hereby made to obtain a permit to do the work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, FURNACES, BOILERS, HEATERS, TANKS, and AIR CONDITIONERS, etc.

that all work will be done in compliance with all applicable laws regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY.

IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

X Richard J. Gilbo
Owner or Agent

X 12/4/98
Date

Contractor

12/4/98
Date

STATE OF FLORIDA
COUNTY OF MARTIN

Sworn to and subscribed before me this 4th day of Dec 1998 by RICHARD GILBOAS who: [ ] is/are personally known to me, or [ ] has/have produced _____ as identification, and who did not take an oath.

OFFICIAL NOTARY SEAL
JEANNEE M SIMON
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO. CC669220
MY COMMISSION EXP. AUG. 4,2001

Name: _____
Typed, printed or stamped
I am a Notary Public of the State of Florida having a commission number of _____
and my commission expires: _____

STATE OF FLORIDA
COUNTY OF MARTIN

Sworn to and subscribed before me this 4th day of Dec 1998 by RICHARD GOMES, who: [ ] is/are personally known to me, or [ ] has/have produced _____ as identification, and who did not take an oath.

Name: _____
Typed, printed or stamped
I am a Notary Public of the State of Florida having a commission number of _____
and my commission expires: _____

(NOTARY SEAL)

OFFICIAL NOTARY SEAL
JEANNEE M SIMON
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO. CC669220
MY COMMISSION EXP. AUG. 4,2001

Certificate of Competency Holder

Contractor's State Certification or Registration No. _____

Contractor's Certificate of Competency No. _____

APPLICATION APPROVED BY _____ Permit Officer

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):

#22 CANTANA LANE

GENERAL DESCRIPTION OF IMPROVEMENT: REROOF

OWNER: RICHARD AND JOAN GIBBONS

ADDRESS: #22 CANTANA LANE

PHONE #:_____ FAX #:_____

CONTRACTOR: PACIFIC ROOFING

ADDRESS: P. O. BOX 2697 STUART, FL. 34995

PHONE #: 283-7663 FAX #: 283-9505

SURETY COMPANY(IF ANY)_____

ADDRESS:_____

PHONE #_____ FAX #:_____

BOND AMOUNT:_____

LENDER:_____

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(1XA)7., FLORIDA STATUTES:

NAME: PACIFIC ROOFING

ADDRESS: P.O. BOX 2697 STUART, FL. 34995

PHONE #: 283-7663 FAX #: 283-9505

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

X Richard J. Mills

SIGNATURE OF OWNER

SWORN TO AND SUBSCRIBED BEFORE ME THIS 4th DAY OF December 19 98 BY Richard Mills

PERSONALLY KNOWN ✓

OR PRODUCED ID _____

TYPE OF ID _____

NOTARY SIGNATURE

OFFICIAL NOTARY SEAL
JEANNE M SIMON
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO. CC669280
MY COMMISSION EXP. AUG. 4,2001

9799

IMPACT WINDOWS

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:	9799	DATE ISSUED:	MAY 24, 2011
SCOPE OF WORK:	12 IMPACT WINDOWS		
CONDITIONS :			
CONTRACTOR:	LOWE'S		
PARCEL CONTROL NUMBER:	123841-002-000-004209	SUBDIVISION	RIO VISTA –LOT 42
CONSTRUCTION ADDRESS:	22 LANTANA LA		
OWNER NAME:	GIBBONS		
QUALIFIER:	PETER CAFARO	CONTACT PHONE NUMBER:	561-721-5611

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

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.

L1109.

Town of Sewall's Point
BUILDING PERMIT APPLICATION

Date: ________ Permit Number: 9799

OWNER/TITLEHOLDER NAME: Gibbons Work# Phone (Day) 485-8053 (Fax) ________

Job Site Address: 22 Lantana La Stuart City: Stuart State: FL Zip: 34996

Legal Description Rio Vista S/D Lot 42 Parcel Control Number: 12-38-41-002-000-00420-9

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

Scope of work (please be specific): Install Impact Windows in 12 openings.

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: $ 6001.01
(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: Lowes Home Centers Inc. Phone: 561-721-5611 Fax: 561 [redacted] 783-9426

Street: 8529 Southpark Cir Suite #430 City: Orlando State: FL Zip: 32819

State License Number: CGC1508417 OR: Municipality: ________ License Number: ________

LOCAL CONTACT: Mitch Phone Number: 561-721-5611

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

Street: N/A 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.

RECEIVED MAY 18 2011 Sewall's Point Town Hall

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)	CONTRACTOR SIGNATURE: (required)
Joan B. Gibbons (signature)	(signature)
State of Florida, County of: Martin	On State of Florida, County of:
This the 23rd day of May, 2011	This the 12th day of May 2011
by Joan M Gibbons who is personally	by Peter A. Cutarotti who is personally
known to me or produced FL DL G152-...-88529	known to me or produced
as identification. Ann Marie Basler	As identification. Kari M Riccaboni (signature)
My Commission Expires:	My Commission Expires:

Notary seal: Ann Marie Basler, My Commission Expires October 14, 2011, #DD 724736, Notary Public, State of Florida

Notary Public State of Florida, Kari M Riccaboni, My Commission DD792655, Expires 05/28/2012

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

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

Site Provided by... governmax.com 1.11

Summary

Address 1 of 2

Tabs
- **Summary**
  - Print View
- Land
- Improvements
- Assessments & Exemptions
- Sales
- Taxes ➡
- NEW: Navigator Parcel Map ➡
- Parcel Map (To be phased out 6/1/11) ➡
- Trim Notice ➡

Searches
- Parcel ID
- Owner
- **Address**
- Account #
- Use Code
- Legal Description
- Neighborhood
- Sales
- NEW: Navigator Maps ➡
- Maps (To be phased out 6/1/11) ➡

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

Parcel ID	Account #	Unit Address	Market Total Value	Data as of
12-38-41-002-000-00420-9	27555	22 LANTANA LN, SEWALL'S POINT	$260,020	5/14/2011

Owner Information

Owner(Current)	GIBBONS RICHARD F GIBBONS JOAN B
Owner/Mail Address	22 LANTANA LN STUART FL 34996
Sale Date	4/27/1989
Document Book/Page	0809 0166
Document No.	
Sale Price	160000

Location/Description

Account #	27555	**Map Page No.**	SP-04
Tax District	2200	**Legal Description**	RIO VISTA S/D LOT 42
Parcel Address	22 LANTANA LN, SEWALL'S POINT		
Acres	.3440		

Parcel Type

Use Code	0100 Single Family
Neighborhood	120250 RIO VISTA DRY

Assessment Information

Market Land Value	$127,000
Market Improvment Value	$133,020
Market Total Value	$260,020

Print Back to List First Previous Next Last

L 1109.

NOTICE OF COMMENCEMENT

TO BE COMPLETED WHEN CONSTRUCTION VALUE EXCEEDS $2,500.00

PERMIT #: _____ TAX FOLIO #: 12-38-41-007-000-00420-9.

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.

22 Lantana Ln Stuart FL 34996.

LEGAL DESCRIPTION OF PROPERTY (AND STREET ADDRESS IF AVAILABLE):
Rio Vista S/D Lot 42

GENERAL DESCRIPTION OF IMPROVEMENT: Change out / Replace Windows.

OWNER NAME: Gibbons, Joan
ADDRESS: 22 Lantana Ln Stuart FL 34996
PHONE NUMBER: _____ FAX NUMBER: _____

INTEREST IN PROPERTY: _____

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

CONTRACTOR: Lowes Home Centers Inc.
ADDRESS: P.O. Box 70993 Orlando FL
PHONE NUMBER: _____ FAX NUMBER: _____

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

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

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: N/A
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: N/A FAX NUMBER: _____

EXPIRATION DATE OF NOTICE OF COMMENCEMENT:
(THE 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.

X Joan Gibbons
SIGNATURE OF OWNER OR OWNER'S AUTHORIZED OFFICER/DIRECTOR/PARTNER/MANAGER

~~Joan Gibbons~~ Owner
SIGNATORY'S TITLE/OFFICE

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 10 **DAY OF** May 2011

BY: Carmela Bartlett **AS** NOTARY **FOR** _____

NAME OF PERSON **TYPE OF AUTHORITY** **NAME OF PARTY ON BEHALF OF WHOM INSTRUMENT WAS EXECUTED**

PERSONALLY KNOWN ____ **OR PRODUCED IDENTIFICATION** X

TYPE OF IDENTIFICATION PRODUCED Driver's License

Carmela Bartlett
NOTARY SIGNATURE **NOTARY SEAL**

CARMELA BARTLETT
MY COMMISSION #DD916419
EXPIRES: AUG 12, 2013
Bonded through 1st State Insurance

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

X Joan Gibbons
(Signature of Natural Person Signing Above)

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.
DATE 5-13-11

CIRCUIT COURT MARTIN COUNTY, FLORIDA

L1109

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

WINDOW/DOOR REPLACEMENT CHECKLIST AND SCHEDULE

A document review will be performed on the following items prior to the submittal of a permit application. Failure to submit these items will result in the application package returned to the applicant until the deficient documents are included. This review sheet must accompany the application submittal.

Please make sure you have ALL required copies before submitting permit application

- ✓ **1 Copy** Completed Permit Application
- ✓ **2 Copies** Window/Door Schedule
- ✓ **2 Copies** Manufacturer's Florida Product Approval and Specifications
- ✓ **2 Copies** Floor Plan Sketch – Show location & ID number of each window/door. **Must match window/door schedule.**

***PLEASE NOTE: At least one (1) exterior window or door must comply with the 2007 F.B.C. R310.4 as a single means of escape.**

ALL NEW WINDOWS AND/OR DOORS WITH GLAZING MUST HAVE IMPACT PROTECTION (SHUTTERS OR IMPACT GLASS). IF SHUTTERS ARE USED, A SEPARATE SHUTTER PERMIT MUST BE ISSUED PRIOR TO FINAL INSPECTION OF THE WINDOW/DOOR REPLACEMENT PERMIT.

PARTIAL WINDOW OR GLAZED DOOR REPLACEMENT THAT REPRESENTS LESS THAN 25% OF THE TOTAL GLAZED AREA OVER A 12 MONTH PERIOD IS EXEMPT FROM IMPACT PROTECTION REQUIREMENTS.

WINDOW/DOOR SCHEDULE

ID NO	APPOX OPENING SIZE (WXH)	DESIGNATION	* TYPE	IMPACT PROTECTION		REMARKS
				IMPACT GLASS	SHUTTER	
	37" X 63"	25	SH		X	EXAMPLE
1	25½ x 49 5/8	A	SH	X		
2	36 x 49 5/8	B	SH	X		
3	104 x 25	C	SL	X		
4	36 x 62	D	SH	X		
5	36 x 62	E	SH	X		
6	36 x 62	F	SH	X		
7	36 x 62	G	SH	X		
8	52⅛ x 37⅜	H	SH	X		
9	36 x 49½	I	SH	X		
10	36 x 49½	J	SH	X		
11	36 x 49½	K	SH	X		
12	25½ x 37⅜	L	SH	X		obscure glass
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

TOTAL GLAZED OPENING AREA FOR STRUCTRE: _____ S.F.

*PERCENTAGE OF NEW GLAZED AREA: _____ %
(TOTAL INSTALLED GLAZED AREA DIVIDED BY TOTAL GLAZED OPENINGS FOR STRUCTURE)

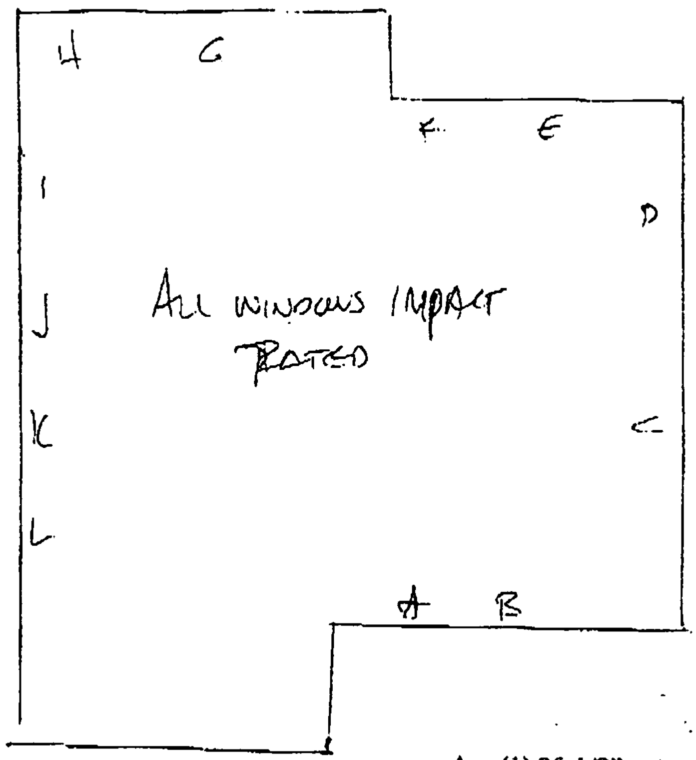
NOTE: The replacement of more than 25% of the aggregate area of exterior glazing (windows & doors) in one & two family dwellings within a 12 month period will require impact protection on all proposed glazed opening replacement (approved shutters or impact resistant glazing(as per 2004 FBC/ EXISTING BUILDING 507.3.

* TYPE WINDOWS

SH – SINGLE HUNG
DH – DOUBLE HUNG
AWN – AWNING
CAS – CASEMENT
SL – SLIDING
FIX – FIXED

WINDOW INSTALL

RICHARD GIBBONS
22 LANTANA LANE
STUART, FL



FRONT

A. (1) 25-1/2" x 49-5/8' SH
B. (1) 36" x 49-5/8" SH
C. (1) 51-3/4" x 25" slider XO
(1) 51-3/4" x 25" slider OX
(1) 25" mull
D. (1) 36" x 62 SH
E. (1) 36" x 62 SH
F. (1) 36" x 62 SH
G. (1) 36" x 62 SH
H. (1) 52-1/8" x 37-3/8" SH
I. (1) 36" x 49-1/2" SH
J. (1) 36" x 49-1/2"
K. (1) 36" x 49-1/2" SH
L. (1) 25-1/2" x 37 3/8" SH w/ obscure glass

Product Approval

USER: Public User

Product Approval Menu > Product or Application Search > Application List > **Application Detail**

FL #	FL261-R4
Application Type	Revision
Code Version	2007
Application Status	Approved
Comments	
Archived	
Product Manufacturer	PGT Industries
Address/Phone/Email	1070 Technology Drive Nokomis, FL 34275 (941) 486-0100 Ext 22318 druark@pgtindustries.com
Authorized Signature	Lucas Turner lturner@pgtindustries.com
Technical Representative	Lucas A. Turner
Address/Phone/Email	1070 Technology Drive Nokomis, FL 34275 (941) 480-1600 lturner@pgtindustries.com
Quality Assurance Representative	
Address/Phone/Email	
Category	Windows
Subcategory	Mullions
Compliance Method	Certification Mark or Listing
Certification Agency	Miami-Dade BCCO - CER
Validated By	Miami-Dade BCCO - VAL

Referenced Standard and Year (of Standard)

Standard	Year
TAS 201, 202, 203	1994
TAS 202	1994

Equivalence of Product Standards Certified By

Product Approval Method	Method 1 Option A
Date Submitted	12/10/2008
Date Validated	12/12/2008
Date Pending FBC Approval	12/17/2008
Date Approved	02/03/2009

Summary of Products

FL #	Model, Number or Name	Description

261.1	1x Heavy Wall Mullions	Aluminum Tube Mullions
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** N/A **Other:** Please see Miami-Dade County Notice of Acceptance (NOA) #06-0125.07 for product performance information, and mullion clip anchorage details.		**Certification Agency Certificate** FL261_R4_C_CAC_06-0125-07.pdf FL261_R4_C_CAC_Letter Mullions.pdf **Quality Assurance Contract Expiration Date** 06/28/2011 **Installation Instructions** FL261_R4_II_06-0125-07.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: **Evaluation Reports** Created by Independent Third Party:
261.2	1x Standard Wall Mullions	Aluminum Tube Mullions
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** N/A **Other:** Please see Miami-Dade County Notice of Acceptance (NOA) #06-0125.06 for product performance information, and mullion clip anchorage details.		**Certification Agency Certificate** FL261_R4_C_CAC_06-0125-06.pdf FL261_R4_C_CAC_Letter Mullions.pdf **Quality Assurance Contract Expiration Date** 06/28/2011 **Installation Instructions** FL261_R4_II_06-0125-06.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: **Evaluation Reports** Created by Independent Third Party:

MIAMI-DADE COUNTY

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
1070 Technology Drive
Nokomis, FL 3427

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: 1"x Std. Wall-Aluminum Tube Clipped Mullion-L.M.I.

APPROVAL DOCUMENT: Drawing No. **6220**, titled "1" STD. Wall, Elevations Aluminum Tube Clipped Mullion", sheets 1 through 5 of 5, prepared by PGT Industries, signed and sealed by Robert L. Clark, P.E., dated 04/28/00, with last revision on 05/30/06, bearing the Miami-Dade County Product Control Renewal Stamp with last 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 **revises and renews NOA # 04-0528.04** and, consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**

PRODUCT CONTROL ACCEPTED

J. Gascon 6/28/06

NOA No 06-0125.06
Expiration Date: June 28, 2011
Approval Date: July 20, 2006

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **6220**, Sheets 1 through 5 of 5, titled "1" STD. Wall, Elevations Aluminum Tube Clipped Mullion, prepared by PGT Industries, dated 04/28/00, with last revision on 05/30/06, signed and sealed by Robert L. Clark, P.E.

B. TESTS

1. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
   2) Large Missile Impact Test, FBC, TAS 201-94
   3) Cyclic Loading Test, per FBC, TAS 203-94
   along with installation diagram of a pair of fixed alum. windows (OO configuration) 60" x 54" mulled together with a 1x 2 x std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2902**, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.
   "Submitted under NOA# 04-0528.04"
2. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
   2) Large Missile Impact Test, FBC, TAS 201-94
   3) Cyclic Loading Test, per FBC, TAS 203-94
   along with installation diagram of a pair of fixed alum. windows (OO configuration) 80" x 76" mulled together with a 1x 4 x std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2903**, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.
   "Submitted under NOA# 04-0528.04"
3. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
   2) Large Missile Impact Test, FBC, TAS 201-94
   3) Cyclic Loading Test, per FBC, TAS 203-94
   along with installation diagram of a pair of fixed alum. windows with a transom lite (O/OO configuration) mulled together with a 1x 2 x ¾" wall vertical mullion and a 2 x 6" x 1/4" wall horizontal mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2975**, dated 01/23/01, signed and sealed by Antonio Acevedo, P.E.
   "Submitted under NOA# 04-0528.04"

C. CALCULATIONS

1. Revised Anchor Calculations and structural analysis, complying with FBC-2004, prepared by PGT Industries, dated 05/30/06, signed and sealed by Robert L. Clark, P.E.

Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 06-0125.06
Expiration Date: June 28, 2011
Approval Date: July 20, 2006

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **04-0721.01** issued to Elco Textron, Inc., for Tapcon Concrete Anchor, dated 03/09/06, expiring on 01/08/11.

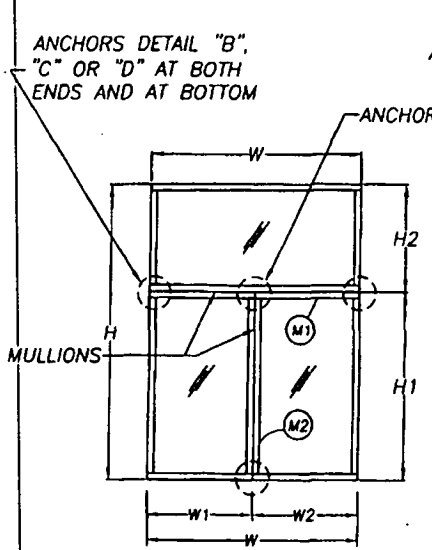
F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated 01/23/06, signed and sealed by Robert L. Clark, P.E.

G. OTHER

1. Notice of Acceptance No.**04-0528.04**, issued to PGT Industries for 1" x Std. Wall-Aluminum Tube Clipped Mullions, dated 07/08/04 and expiring on 06/28/06.

Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 06-0125.06
Expiration Date: June 28, 2011
Approval Date: July 20, 2006



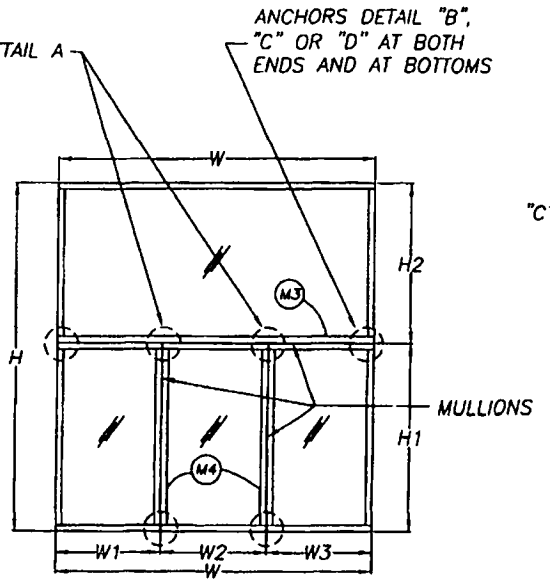
W = W1+W2
H = H1+H2

(2) WINDOWS MULLED W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE DESIGN PRESSURE SEE TABLES ON PAGE 5

M1) MAX OPENING = H OR H1+H2
MULL LENGTH = W OR W1+W2

M2) MAX OPENING = W OR W1+W2
MULL LENGTH = H1



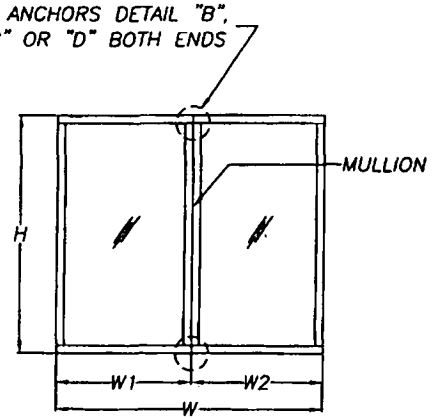
W = W1+W2+W3
H = H1+H2

MULTIPLE WINDOWS MULLED W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE DESIGN PRESSURE SEE TABLES ON PAGE 5

M3) MAX OPENING = H OR H1+H2
MULL LENGTH = W OR W1+W2+W3

M4) MAX OPENING = W1+W2 OR W2+W3
MULL LENGTH = H1

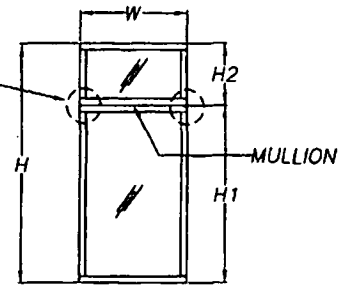


W = W1+W2

(2) WINDOWS MULLED TOGETHER

FOR DETERMINING MAX ALLOWABLE DESIGN PRESSURE SEE TABLES ON PAGE 5

MAX OPENING = W OR W1+W2
MULL LENGTH = H



H = H1+H2

(1) WINDOW MULLED W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE DESIGN PRESSURE SEE TABLES ON PAGE 5

MAX OPENING = H OR H1+H2
MULL LENGTH = W

PRODUCT RENEWED
In complying with the Florida Building Code
Acceptance No. 04-0125.04
Expiration Date: 04 2011
By: Florida Building Product Control Division

NOTES:

1. THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. FOR ANCHORAGE TYPE, QUANTITY AND LOCATION, REFER TO SHEETS 2, 3 AND 5.
2. WINDOWS AND DOORS OR COMBINATIONS THEREOF MAY BE MULLED TO A MAXIMUM OF (7) UNITS.
3. MULLIONS ARE APPROVED FOR IMPACT AND NON-IMPACT APPLICATIONS.
4. REFERENCE - TEST REPORTS: FTL-2902, 2903 AND 2975.
   ELCO TEXTRON NOA: 04-0721.01, 03-0225.05
   ANSI/AF&PA NDS-2001 FOR WOOD CONSTRUCTION
   ADM-2000 ALUMINUM DESIGN MANUAL
5. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 2004 EDITION FOR THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
6. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

5/30/06

Robert L. Clark, P.E.
PE #39712
Structural

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

PGT INDUSTRIES

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

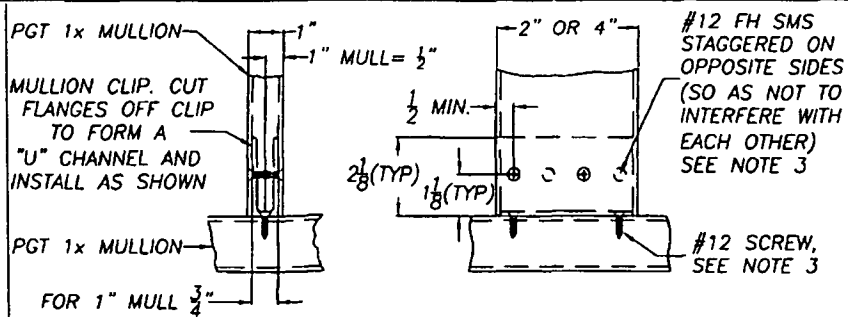
P.O. BOX 1529
NOKOMIS, FL 34274

Revised By:	Date:	Revisions:
F.K.	5/30/06	D-ADD NOTES 5 & 6
F.K.	5/8/06	C-ADD TECH. REFS.
Drawn By: P.J.P.	Date: 4/28/00	

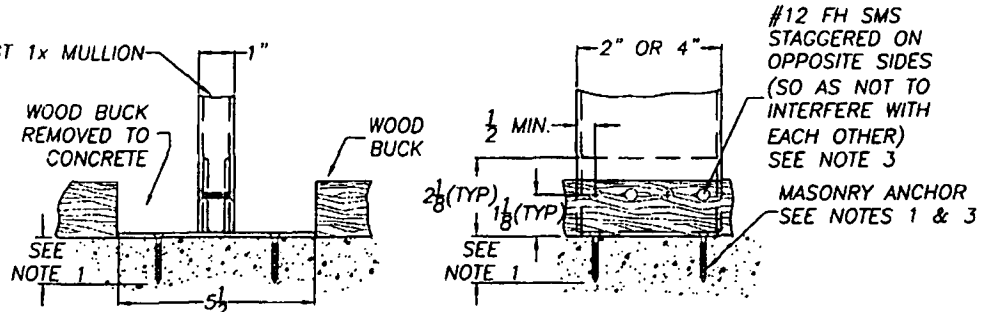
Description: 1" STANDARD WALL, ELEVATIONS

Title: ALUMINUM TUBE CLIPPED MULLION

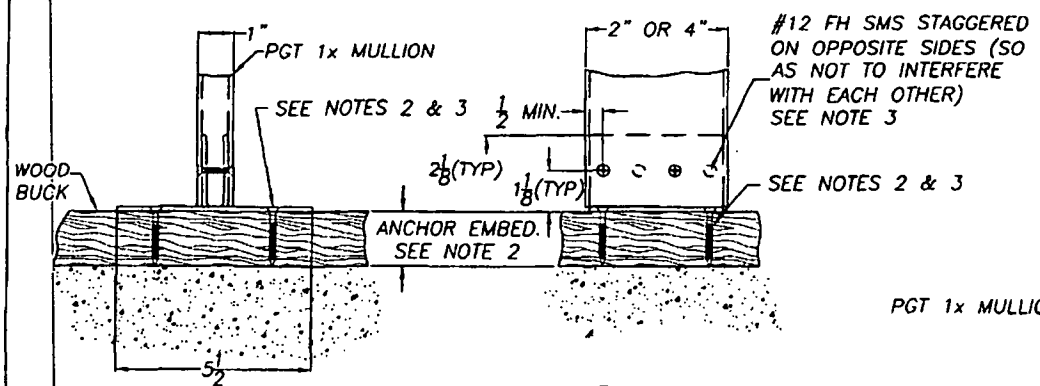
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
MULLS	NTS	1 of 5	6220	D



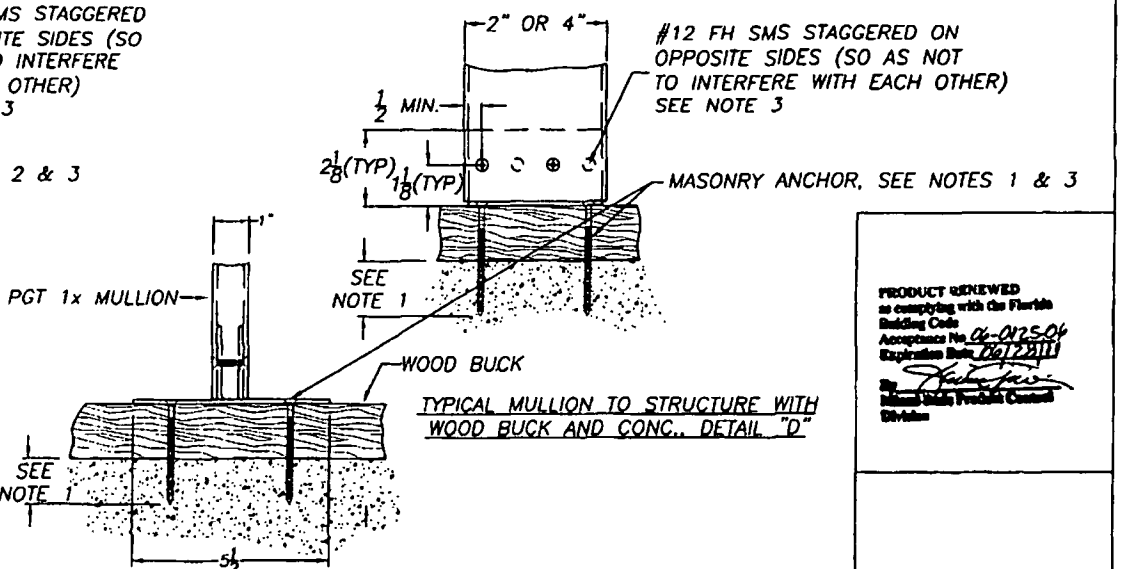
TYPICAL MULLION TO MULLION INSTALLATION, DETAIL "A"



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK REMOVED FROM CONC., DETAIL "C"



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK, DETAIL "B"



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK AND CONC., DETAIL "D"

NOTES:

1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX MASONRY ANCHORS. MINIMUM DISTANCE FROM CENTER OF ANCHORS TO CONCRETE EDGE IS 2 1/2". MIN. EMBEDMENT: TAPCONS 1 1/4". CRETE-FLEX 1 3/4"
2. FOR WOOD APPLICATIONS USE #12 SCREWS, ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX MASONRY ANCHORS. MIN. EMBEDMENT 1 1/2"
3. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR ⚠ STUCCO.
4. FOR MULL SIZE AND QUANTITY OF ANCHORS SEE SHEET 5. FOR ANCHOR LOCATIONS SEE SHEET 3. QUANTITY OF PINNING SCREWS FOR MULL-TO-CLIP TO BE HALF THE QUANTITY OF ANCHORS FROM CLIP-TO-OPENING (MINIMUM OF 2 SCREWS PER CLIP).
5. IMPORTANT: QUANTITY OF ANCHORS SHOWN ABOVE ARE FOR PICTORIAL REPRESENTATION ONLY. FOR CORRECT QUANTITY OF ANCHORS, REFER TO CHARTS 1 AND 2 ON SHEET 5. FIND THE APPLICABLE MULL SIZE AND ⚠ PRESSURE REQUIRED FOR YOUR SPECIFIC APPLICATION. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL. ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.
6. REFERENCE TEST REPORTS: FTL-2902, 2903 AND 2975.

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 04-0125.04 Expiration Date: 06/22/11 By: Miami-Dade Product Control Division

5/30/06
Robert L. Clark, P.E.
PE #39712
Structural

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

PGT INDUSTRIES

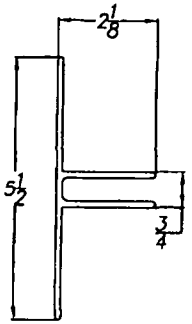
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

Revised By:	Date:	Revisions:
F.K.	5/30/06	D-MODIFY NOTES 3 & 5
F.K.	5/8/06	C-ADD EMBED. DETAILS
Drawn By: P.J.P.	Date: 4/28/00	

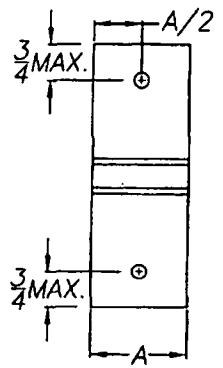
Description: 1" STD. WALL, CLIP INSTALLATION DETAIL

Title: ALUMINUM TUBE CLIPPED MULLION

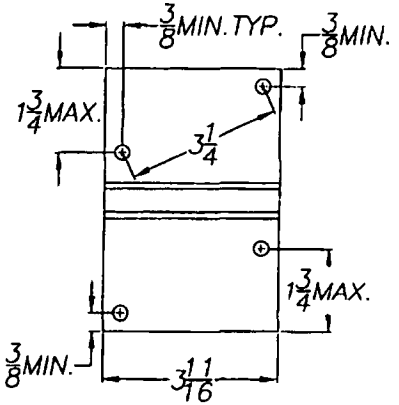
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
MULLS	NTS	2 of 5	6220	D



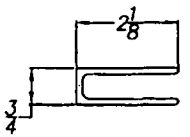
1" MULL CLIP
(CLIP TO OPENING)
EXTRUSION DWG #1099



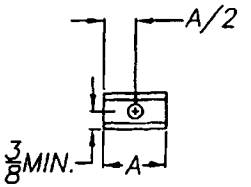
(A) TWO (2) ANCHOR LOCATIONS



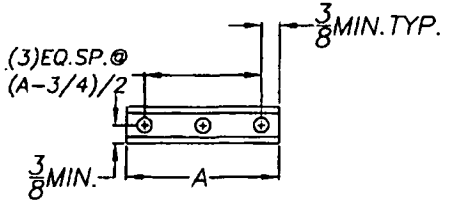
(B) FOUR (4) ANCHOR LOCATIONS



1" MULL CLIP
W/TABS REMOVED
(CLIP TO MULL)
EXTRUSION DWG #1099



(1) ONE (1) ANCHOR LOCATION



(2) THREE (3) ANCHOR LOCATIONS

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 06-0125.06
Expiration Date 04/12/11
By
Miami-Dade County Product Control
Division

CLIP LENGTH CHART FOR 1x MULL	
MULL SIZE	'A'
1 x 2 x 1/8	1 11/16
1 x 4 x 1/8	3 11/16

NOTES:

1. IMPORTANT: QUANTITY OF ANCHORS SHOWN ARE FOR PICTORIAL REPRESENTATION ONLY. FOR CORRECT QUANTITY OF ANCHORS, PLEASE REFER TO CHARTS 1 AND 2 ON SHEET 5. FIND THE CORRECT MULL SIZE AND PRESSURE REQUIRED FOR YOUR SPECIFIC APPLICATION.
2. 3/8 MIN. EDGE DISTANCE APPLIES TO ALL DIMENSION SHOWN AS MAX.
3. REFERENCE TEST REPORTS: FTL-2902, 2903 AND 2975.

5/30/06
Robert L. Clark, P.E.
PE #39712
Structural

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

PGT INDUSTRIES

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

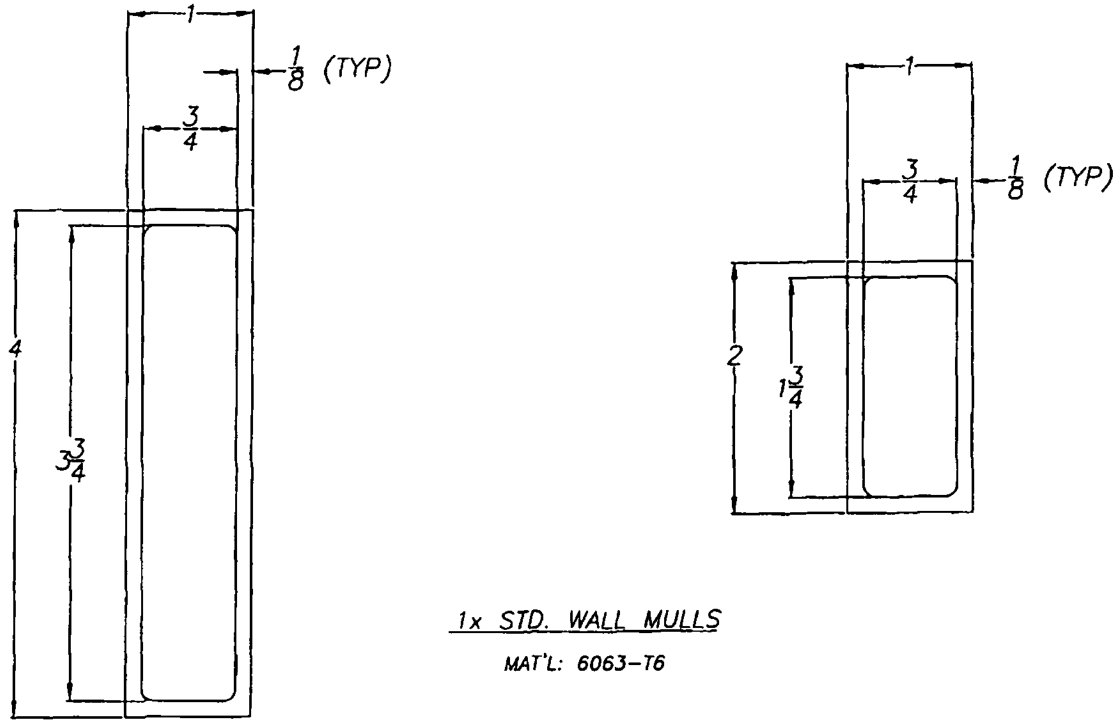
P.O. BOX 1529
NOKOMIS, FL 34274

Revised By:	Date:	Revisions:
F.K.	5/30/06	D-NO CHG THIS SHT
F.K.	5/8/06	C-REVISE SPACING
Drawn By: P.J.P.	Date: 4/28/00	

Description: 1" STD. WALL, ANCHOR LOCATIONS

Title: ALUMINUM TUBE CLIPPED MULLION

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
MULLS	NTS	3 of 5	6220	D



1x STD. WALL MULLS

MAT'L: 6063-T6

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 06-0125.04
Expiration Date
By
Miami Dade Product Control Division

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

Revsd By:	Date:	Revisions:
F.K.	1/9/06	B-NO CHG. THIS SHT.
F.K.	5/8/06	C-NO CHG THIS SHT
Drawn By: P.J.P.	Date: 4/28/00	

PGT INDUSTRIES

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

Robert L. Clark, P.E.
PE #39712
Structural

5/30/06

Description: 1" STD. WALL, MULLION PROFILES

Title: ALUMINUM TUBE CLIPPED MULLION

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
MULLS	1X	4 of 5	6220	D

NOTE:

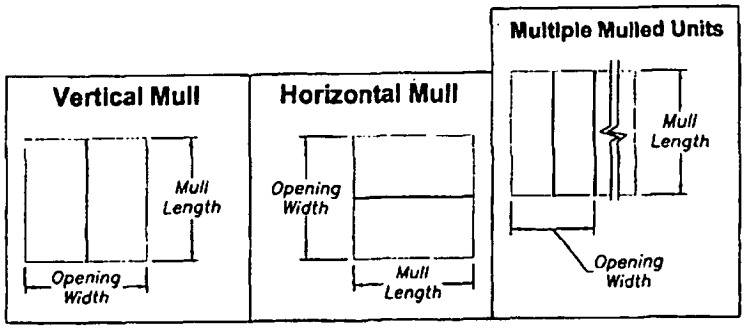
1. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

CHART 1. - 1x2x.125

QTY. & TYP. ANCHOR		OPENING WIDTH IN INCHES									
		50	60	70	80	90	100	110	120	130	160
CLIP TO OPENING		(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B
CLIP TO MULL		(1) B	(1) B	(1) B	(1) B	(1) B	(1) B	(1) B	(1) B	(1) B	(1) B
MULL LENGTH IN INCHES	42	129	115	107	104	103	103	103	103	103	103
	48	83	73	67	63	61	61	61	61	61	61
	50.625	70	61	55	52	50	49	49	49	49	49
	54	57	49	44	41	39	38	38	38	38	38
	60	41	35	31	29	27	26	25	25	25	25
	63	35	30	27	24	23	22	21	20	20	20
	66	30	26	23	21	19	18	18	17	17	17
	72	23	20	17	16	-	-	-	-	-	-
	76	20	17	15	-	-	-	-	-	-	-
	78	18	15	-	-	-	-	-	-	-	-

CHART 2. - 1x4x.125

QTY. & TYP. ANCHOR		OPENING WIDTH IN INCHES									
		50	60	70	80	90	100	110	120	130	160
CLIP TO OPENING		(2) A (4) B	(2) A (4) B	(2) A (4) B	(2) A (4) B	(2) A (4) B	(2) A (4) B	(2) A (4) B	(2) A (4) B	(2) A (4) B	(2) A (4) B
CLIP TO MULL		(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B
MULL LENGTH IN INCHES	42	170	170	170	170	170	170	170	170	170	170
	48	170	170	170	170	170	170	170	170	170	170
	50.625	170	170	170	170	170	170	170	170	170	170
	54	170	170	170	170	162	158	157	157	157	157
	60	170	170	157	143	134	127	124	122	122	122
	63	170	160	141	128	119	112	108	106	106	106
	66	170	145	127	115	106	100	96	93	92	92
	72	142	120	105	95	87	81	77	74	72	71
	76	120	102	90	81	74	69	65	63	61	59
	78	111	94	83	74	68	63	60	57	55	53
	84	88	75	65	59	53	49	46	44	42	40
	90	72	60	53	47	43	39	37	35	33	31
	96	59	50	43	38	35	32	30	28	27	24
	108	41	35	30	27	24	22	20	19	18	16
	111	38	32	28	24	22	20	19	17	16	-
	144	17	-	-	-	-	-	-	-	-	-



NOTES:

1. MAXIMUM ALLOWABLE PRESSURE IN PSF.
2. DESIGN IS BASED ON OPENING WIDTH. FOR MULTIPLE UNITS, CONSIDER ONLY TWO ADJACENT UNITS AT A TIME. SEE SHEET 1.
3. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975
4. ANCHOR TYPES: A. ELCO 1/4" TAPCONS, EMBED. (1 1/4") OR 1/4" SS4 CRETE-FLEX, EMBED. (1 3/4")
   B. #12 SCREWS
5. SEE ANCHOR SPACING DETAILS SHEET 3.

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 06-0125.06 Expiration Date 08/23/11

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

Revised By:	Date:	Revisions:
F.K.	5/30/06	D-NO CHG THIS SHT
F.K.	5/8/04	C-MARKED CHANGES
P.J.P.	4/28/00	

Description: 1" STD. WALL, PRESSURE CHARTS 1 & 2

Title: ALUMINUM TUBE CLIPPED MULLION

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
MULLS	NTS	5 of 5	6220	D

5/30/06

Robert L. Clark, P.E.
PE #39712
Structural

PGT INDUSTRIES

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

Product Approval

USER: Public User

FL #	FL239-R15
Application Type	Revision
Code Version	2007
Application Status	Approved
	*Approved by DCA. Approvals by DCA shall be reviewed and ratified by the POC and/or the Commission if necessary.
Comments	
Archived	
Product Manufacturer	PGT Industries
Address/Phone/Email	1070 Technology Drive Nokomis, FL 34275 (941) 486-0100 Ext 22318 druark@pgtindustries.com
Authorized Signature	Jens Rosowski jrosowski@pgtindustries.com
Technical Representative	Jens Rosowski
Address/Phone/Email	1070 Technology Drive Nokomis, FL 34275 (941) 486-0100 Ext 21140 jrosowski@pgtindustries.com
Quality Assurance Representative	
Address/Phone/Email	
Category	Windows
Subcategory	Single Hung
Compliance Method	Certification Mark or Listing
Certification Agency	Miami-Dade BCCO - CER
Validated By	Miami-Dade BCCO - VAL

Referenced Standard and Year (of Standard)

Standard	Year
TAS 201, 202, 203	1994
TAS 202	1994

Equivalence of Product Standards
Certified By

Product Approval Method	Method 1 Option A
Date Submitted	04/29/2011
Date Validated	05/04/2011
Date Pending FBC Approval	
Date Approved	05/09/2011

Summary of Products

FL #	Model, Number or Name	Description
239.1	SH - 500 (Large Missile Impact)	WinGuard Vinyl Single Hung Window
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** N/A **Other:** Please see Miami-Dade County Notice of Acceptance (NOA) #07-0905.02 for product performance information, anchorage details, and anchor type, size, and spacing information. HVHZ must follow all provisions identified as "Miami-Dade" on the NOA drawings.		**Certification Agency Certificate** FL239_R15_C_CAC_SH 500 letter.PDF FL239_R15_C_CAC_SH 500 LM 08-0820.14.pdf **Quality Assurance Contract Expiration Date** 01/08/2014 **Installation Instructions** FL239_R15_II_SH 500 LM 08-0820.14.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: **Evaluation Reports** Created by Independent Third Party:
239.2	SH - 600 (Non-Impact)	Aluminum Single Hung Window
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** N/A **Other:** Please see Miami-Dade County Notice of Acceptance (NOA) #10-1101.03 for product performance information, anchorage details, and anchor type, size, and spacing information.		**Certification Agency Certificate** FL239_R15_C_CAC_10-1101.03.pdf FL239_R15_C_CAC_Certification.pdf **Quality Assurance Contract Expiration Date** 01/26/2016 **Installation Instructions** FL239_R15_II_10-1101.03.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: **Evaluation Reports** Created by Independent Third Party:
239.3	SH - 700 (Impact)	WinGuard Aluminum Single Hung Window
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** N/A **Other:** Please see Miami-Dade County Notice of Acceptance (NOA) #11-0405.10 for product performance information, anchorage details, and anchor type, size, and spacing information.		**Certification Agency Certificate** FL239_R15_C_CAC_11-0405.10.pdf **Quality Assurance Contract Expiration Date** 04/26/2016 **Installation Instructions** FL239_R15_II_11-0405.10.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: **Evaluation Reports** Created by Independent Third Party:

MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26th Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
1070 Technology Drive
Nokomis, FL 34275

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC-Product Control Section 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 Section (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. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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: Series "SH-700" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **4040-20**, titled "Alum. Single Hung Window, Impact", sheets 1 through 11 of 11, dated 09/01/2005, with revision "**C**" dated 04/01/2011, prepared by manufacturer, signed and sealed by Robert L. Clark, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LIMITATIONS: Miami-Dade County Product Control Approved Shutters Or Protection Devises shall be required for Glass Type "**M**" at installations above 30 Ft. above ground.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series 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 **revises NOA No. 11-0128.03** and consists of this page 1, evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**

MIAMI-DADE COUNTY APPROVED

J. Gascon
4/13/11

NOA No. 11-0405.10
Expiration Date: March 26, 2016
Approval Date: April 21, 2011

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **4040–20**, titled "Alum. Single Hung Window, Impact", sheets 1 through 11 of 11, dated 09/01/2005, with revision **"C"** dated 04/01/2011, prepared by manufacturer, signed and sealed by Robert L. Clark, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94
   3) Water Resistance Test, per FBC, TAS 202–94
   4) Large Missile Impact Test per FBC, TAS 201–94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203–94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202–94

   along with marked–up drawings and installation diagram of an aluminum single hung window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–4957**, dated 10/03/06, signed and sealed by Edmundo Largaespada, P. E.
   (Submitted under previous NOA No.07–0322.06)
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94
   2) Large Missile Impact Test per FBC, TAS 201–94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203–94

   along with marked–up drawings and installation diagram of an aluminum single hung window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL–4958** and **FTL–5063**, dated 10/03and 11/21/06, both signed and sealed by Edmundo Largaespada, P. E.
   (Submitted under previous NOA No.07–0322.06)
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201–94
   2) Cyclic Wind Pressure Loading per FBC, TAS 203–94

   along with marked–up drawings and installation diagram of an aluminum single hung window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–4645**, dated 08/11/05, signed and sealed by Edmundo Largaespada, P. E.
   (Submitted under previous NOA No.07–0322.06)
4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201–94
   2) Cyclic Wind Pressure Loading per FBC, TAS 203–94

   along with marked–up drawings and installation diagram of an aluminum single hung window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL–4649** and **FTL–4723**, dated 10/05 and 08/11/05, both signed and sealed by Edmundo Largaespada, P. E.
   (Submitted under previous NOA No. 05–1018.01)

Jaime D. Gascon, P.E.
Product Control Section Supervisor
NOA No. 11–0405.10
Expiration Date: March 26, 2016
Approval Date: April 21, 2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

3) Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an aluminum single hung window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL-4947** and **FTL-4650**, dated 08/11/05, both signed and sealed by Edmundo Largaespada, P. E.
(Submitted under previous NOA No.05-1018.01)

4) Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of an aluminum single hung window, with fin frame, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL-4948** and **FTL-4646**, dated 08/10/05, both signed and sealed by Edmundo Largaespada, P. E.
(Submitted under previous NOA No.05-1018.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 12/18/2006, prepared, signed, sealed and dated 01/11/2011 by Robert L. Clark, P. E.
Complies with ASTM E1300-04
(Submitted under previous NOA No.11-0128.03)

D. QUALITY ASSURANCE

1. Miami-Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **10-0922.09** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB, Interlayer**" dated 12/24/10, expiring on 12/11/11.
2. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex IIIG Clear or colored interlayer**" dated 05/04/06, expiring on 05/21/11.

Jaime D. Gascon, P.E.
Product Control Section Supervisor
NOA No. 11-0405.10
Expiration Date: March 26, 2016
Approval Date: April 21, 2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of compliance with the FBC–2007, dated April 03, 2011, signed and sealed by Robert L. Clark, P. E.
2. Statement letter of no financial interest and conformance, dated April 03, 2011, signed and sealed by Robert L. Clark, P. E.
3. Laboratory compliance letter for Test Reports No.'s **FTL–4957, FTL–4958, FTL–5063, FTL–4645, FTL–4649, FTL–4723, FTL–4947, FTL–4650, FTL–4948** and **FTL–4646**, issued by Fenestration Testing Laboratory, dated 10/03/06 through 08/10/05, all signed and sealed by Edmundo Largaespada, P. E.
   (Submitted under previous NOA No. 07–0322.06 and 05–1018.01)

G. OTHERS

1. Notice of Acceptance No. **11–0128.03**, issued to PGT Industries for their Series "**SH–700" Aluminum Single Hung Window – L.M.I.**", approved on 03/10/11 and expiring on 03/23/16.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11–0405.10
Expiration Date: March 26, 2016
Approval Date: April 21, 2011

⚠B GENERAL NOTES: IMPACT SINGLE HUNG FLANGED AND INTEGRAL FIN WINDOWS

1. GLAZING OPTIONS: (SEE DETAILS ON SHEET 2)

   A. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
   B. 5/16" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE .MAXIMUM PVB INTERLAYER.
   C. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
   D. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
   E. 716" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB.
   F. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
   G. 13/16" LAMI IG: (1) LITE OF 1/8" TEMPERED GLASS, AN AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
   ⚠C H. 13/16" LAMI IG: (1) LITE OF 1/8" TEMPERED GLASS, AN AIR SPACE AND 516" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
   I. 13/16" LAMI IG: (1) LITE OF 1/8" TEMPERED GLASS, AN AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
   J. 13/16" LAMI IG: (1) LITE OF 1/8" TEMPERED GLASS, AN AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
   K. 13/16" LAMI IG: (1) LITE OF 1/8" TEMPERED GLASS, AN AIR SPACE AND 716" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB.
   L. 13/16" LAMI IG: (1) LITE OF 1/8" TEMPERED GLASS, AN AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
   ⚠B M. 13/16" LAMI IG: (1) LITE OF 1/8" ANNEALED GLASS, AN AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

2. CONFIGURATIONS: "OX" (1/1, VIEW AND RADIUS TOP, ALL W/ LOW OR HIGH SILL OPTION)

⚠B 3. DESIGN PRESSURES: (SEE TABLES, SHEETS 3)

   A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.

   B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-02.

4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 8 THROUGH 11 FOR ANCHORAGE DETAILS.

5. SHUTTERS ARE NOT REQUIRED.

6. FRAME AND PANEL CORNERS SEALED WITH NARROW JOINT SEALANT OR GASKET.

⚠B 7. REFERENCES: TEST REPORTS FTL-4645, FTL-4646, FTL-4647, FTL-4648, FTL-4649, FTL-4650, FTL-4651, FTL-4723, FTL-4957, FTL-4958 AND FTL-5063.
   ANSI/AF&PA NDS-2001 FOR WOOD CONSTRUCTION
   ADM-2000 ALUMINUM DESIGN MANUAL

8. SERIES/MODEL DESIGNATION SH700, ALSO REFERRED TO AS SH701.

⚠B 9. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

NOA DRAWING MAP

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-0405.10
Expiration Date 03/26/2016
By
Miami Dade Product Control

Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	CHANGED CAP GLASS TYPE TO TEMPERED FROM HS
F.K.	11/13/06	B	CHANGE NOTES 3 & 7. ADD NOTE 8. ADD GLASS TYPE M TO NOTE 1, GLAZING OPTIONS
F.K.	1/24/06	A	ADD FTL-4723 TO NOTE 7.
Drawn By: F.K.	Date: 8/1/05	Checked By: J.J.	Date: 2/23/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

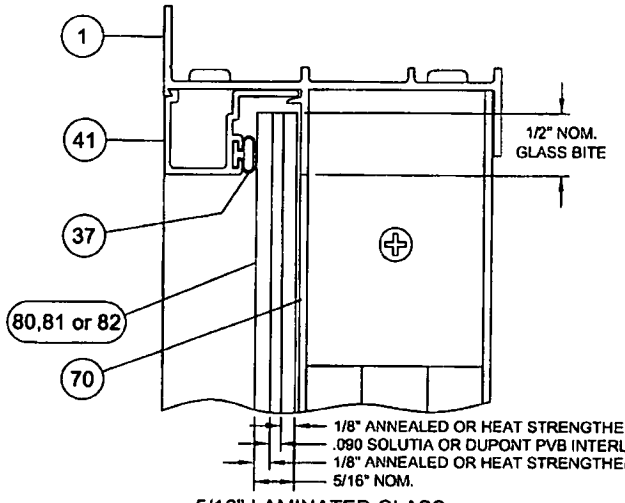
P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

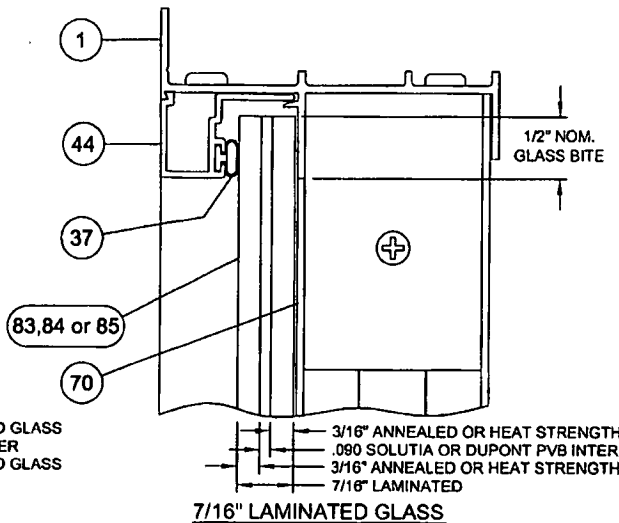
Description: GENERAL NOTES
Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:	Scale:	Sheet	Drawing No.	Rev:
SH700	NTS	1 of 11	4040-20	C

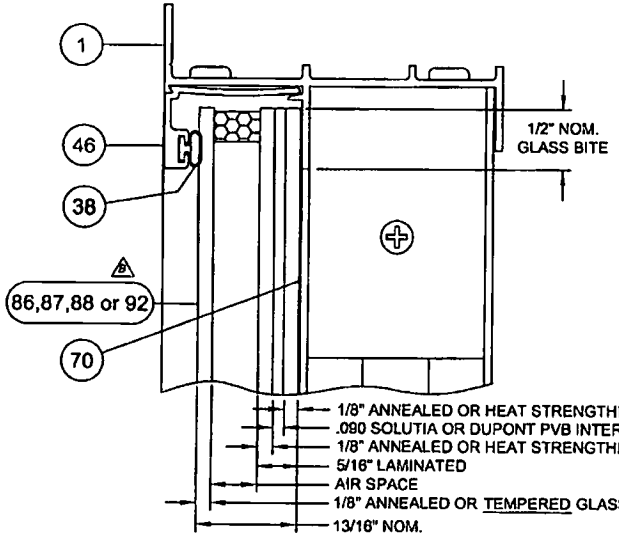
4/3/11
Robert L. Clark, P.E.
PE #39712
Structural



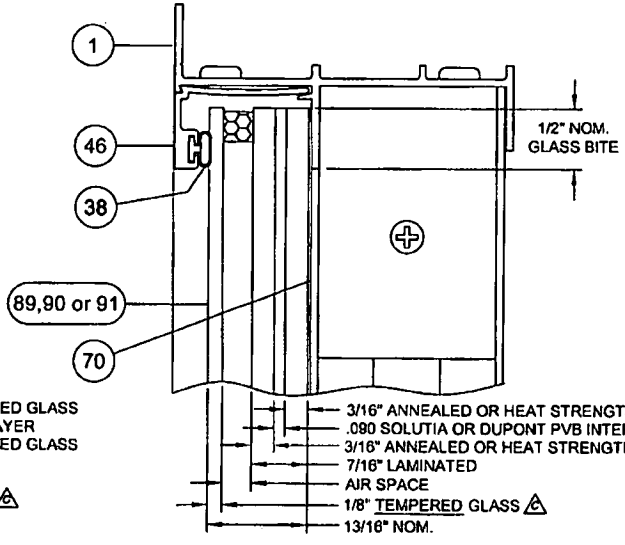
5/16" LAMINATED GLASS



7/16" LAMINATED GLASS



13/16" LAMI IG GLASS W/ 5/16" LAMI



13/16" LAMI IG GLASS W/ 7/16" LAMI

B NOTE:

LAMI IG OUTBOARD LITES MAY BE UPGRADED TO 3/16" WITH NO CHANGE IN DESIGN PRESSURE.

EXTERIOR INTERIOR
(ALL SECTIONS)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0405.10
Expiration Date 03/22/2016
By
Miami Dade Product Control

Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	CHANGED CAP GLASS TYPE TO TEMPERED FROM HS
F.K.	11/13/08	B	ADD ITEM 92 TO 5/16 LAMI I.G. GLASS (A,A,A) & LAMI IG NOTE
F.K.	1/24/06	A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

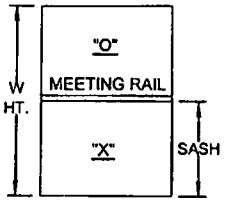
Description: GLAZING DETAILS
Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model	Scale:	Sheet	Drawing No.	Rev.
SH700	Full	2 of 11	4040-20	C

4/3/11
Robert L. Clark, P.E.
PE #39712
Structural

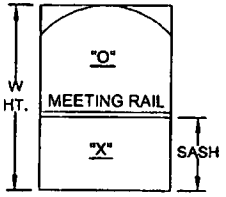
1/1 FLANGE OR INTEGRAL FIN WINDOWS W/ HIGH SILL OPTION [B] — TABLE 1.
BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS

WIDTH	GLASS TYPE	WINDOW HEIGHT 63"		66"		68"		70"		72"		74"		76"	
48"	A,B,M [B]	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
50"	A,B,M [B]	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+79.0	-79.0
52"	A,B,M [B]	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+78.8	-78.8	+77.3	-77.3	+75.9	-75.9
53 1/8"	A,B,M [B]	+80.0	-80.0	+80.0	-80.0	+79.6	-79.6	+78.2	-78.2	+76.9	-76.9	+75.4	-75.4	+74.0	-74.0
UP TO 53 1/8"	C,D,E,F,G,H,I,J,K,L	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0



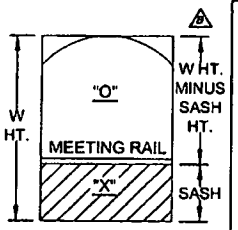
STANDARD VIEW & RADIUS TOP FLANGE OR INTEGRAL FIN WINDOWS W/ HIGH SILL OPTION [B] — TABLE 2.
BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS

WIDTH	GLASS TYPE	WINDOW HEIGHT 38 3/8"		44"		50 5/8"		63"		72"		74"		76"	
48"	A,B,M [B]	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
50"	A,B,M [B]	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+79.9	-79.9	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0
52"	A,B,M [B]	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+76.9	-76.9	+70.0	-70.0	+68.8	-68.8	+67.8	-67.8
53 1/8"	A,B,M [B]	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+75.0	-75.0	+68.0	-68.0	+66.7	-66.7	+65.5	-65.5
UP TO 53 1/8"	C,D,E,F,G,H,I,J,K,L	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0



CUSTOM VIEW & RADIUS TOP FLANGE OR INTEGRAL FIN WINDOWS W/ HIGH SILL OPTION [B] — TABLE 3.
BASED ON FLANGED WINDOW TIP-TO-TIP FRAME DIMENSIONS

WIDTH	GLASS TYPE	WINDOW HEIGHT MINUS SASH HEIGHT (MAX. WINDOW HT. W/ SASH = 76" FLANGED AND 75" INTEGRAL FIN) 17 1/8"		22 11/16"		28 3/16"		33 3/4"		39 5/16"		44 13/16"		50 3/8"		55 15/16"	
53 1/8"	D,E,F,J,K,L	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0	+70.0	-70.0



GLASS TYPES: — TABLE 4.

	TEST REPORTS
A. 5/16" LAMI - (1/8"A,.090,1/8"A)	FTL-4647, 4648, 4723, 4957
B. 5/16" LAMI - (1/8"A,.090,1/8"HS)	FTL-4647, 4648
C. 5/16" LAMI - (1/8"HS,.090,1/8"HS)	FTL-4647, 4648
D. 7/16" LAMI - (3/16"A,.090, 3/16"A)	FTL-4645, 4885
E. 7/16" LAMI - (3/16"A,.090, 3/16"HS)	FTL-4645
F. 7/16" LAMI - (3/16"HS,.090, 3/16"HS)	FTL-4645
G. 13/16" LAMI IG - 1/8" T, AIR SPACE, 5/16" LAMI - (1/8"A,.090,1/8"A)	FTL-4646, 4723
H. 13/16" LAMI IG - 1/8" T, AIR SPACE, 5/16" LAMI - (1/8"A,.090,1/8"HS)	FTL-4646
I. 13/16" LAMI IG - 1/8" T, AIR SPACE, 5/16" LAMI - (1/8"HS,.090,1/8"HS)	FTL-4646
J. 13/16" LAMI IG - 1/8" T, AIR SPACE, 7/16" LAMI - (3/16"A,.090, 3/16"A)	FTL-4649, 4650
K. 13/16" LAMI IG - 1/8" T, AIR SPACE, 7/16" LAMI - (3/16"A,.090, 3/16"HS)	FTL-4649, 4650, 4958
L. 13/16" LAMI IG - 1/8" T, AIR SPACE, 7/16" LAMI - (3/16"HS,.090, 3/16"HS)	FTL-4649, 4650
M. 13/16" LAMI IG - 1/8"A, AIR SPACE, 5/16" LAMI - (1/8"A,.090, 1/8"A) [B]	FTL-5063

[C]

NOTES:
1. WINDOWS WITH THE LOW SILL OPTION ARE LIMITED TO A POSITIVE DESIGN PRESSURE OF +64.0 PSF OR LOWER AS SHOWN IN THE TABLES. NEGATIVE DESIGN PRESSURES ARE UNEFFECTED.
2. FOR INTEGRAL FIN WINDOW DESIGN PRESSURES USE THE ABOVE TABLES BY DEDUCTING 1" FROM THE FLANGED TIP-TO-TIP FRAME DIMENSIONS. [B]
3. AVAILABLE SASH HEIGHTS FOR CUSTOM WINDOWS ARE 12 5/8" MINIMUM TO 38" MAXIMUM. [B]

Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	CHANGED CAP GLASS TYPE TO TEMPERED FROM HS
F.K.	11/13/06	B	UPDATE TO ASTM E 1300-02. REMOVE STD VIEW SASH HT REF. TABLE 2. REVISED CUSTOM FORMAT DPS. ADD INT. FIN. UPDATE TEST NOS
F.K.	1/24/06	A	ADD FTL-4723 TO GLASS TYPES A AND G.
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

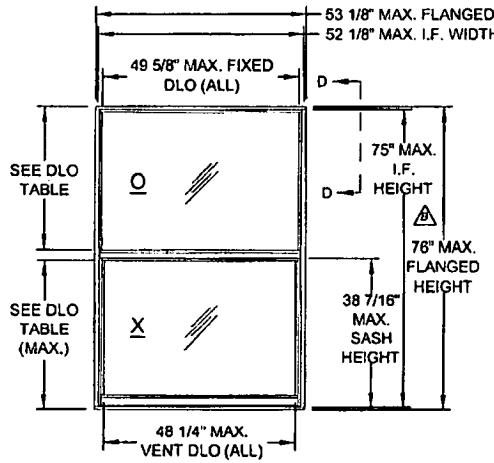
PGT
Visibly Better

Description: DESIGN PRESSURES
Title: ALUM. SINGLE HUNG WINDOW, IMPACT

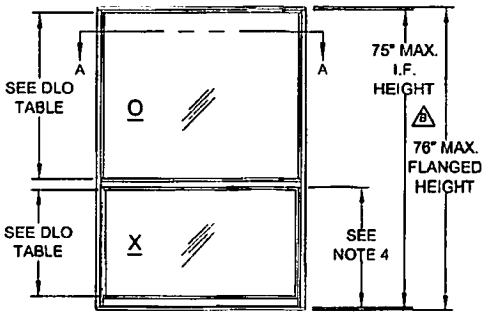
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	NTS	3 of 11	4040-20	C

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-0405.10
Expiration Date 03/26/2016
By
Miami Dade Product Control

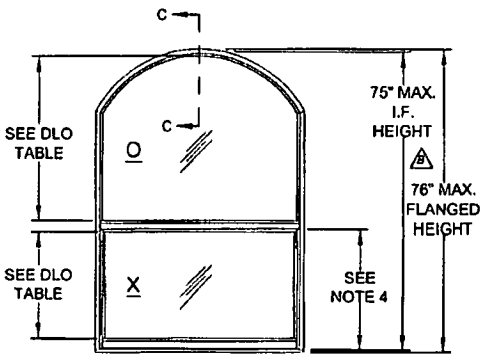
4/3/11
Robert L. Clark, P.E.
PE #39712
Structural



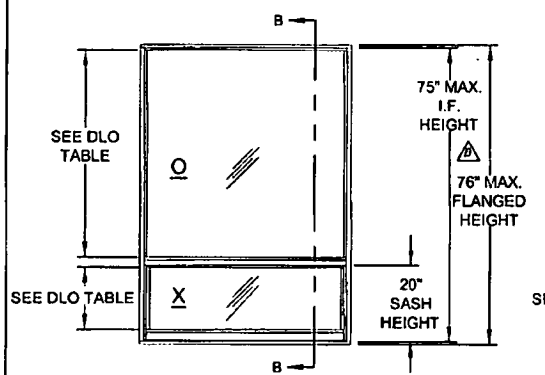
DETAIL A
1/1



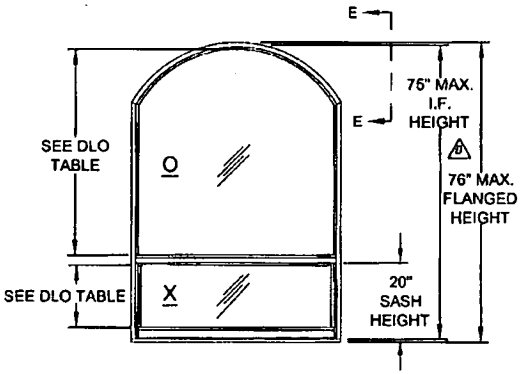
DETAIL B
VIEW (STANDARD SASH)



DETAIL C
RADIUS TOP (STANDARD SASH)



DETAIL D
VIEW (CUSTOM SASH)



DETAIL E
RADIUS TOP (CUSTOM SASH)

VERTICAL DAYLIGHT OPENING		
	FIXED LITE	
DETAIL	LOW SILL	HIGH SILL
A	34 1/2"	34 3/16"
B	41 5/8"	41 1/4"
C	41 1/4"	40 7/8"
D	52 5/8"	52 11/16"
E	52 1/4"	52 5/16"
	SASH	
DETAIL	LOW SILL	HIGH SILL
A	34 1/2"	34 3/16"
B	27 7/16"	27 1/8"
C	27 7/16"	27 1/8"
D	16 3/8"	15 3/4"
E	16 3/8"	15 3/4"

TABLE 5.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0405.10
Expiration Date 05/22/2016
By
Miami Dade Product Control

NOTES:

1. SEE SHEET 5 FOR VERTICAL AND HORIZONTAL SECTION DETAILS.
2. SEE SHEET 7 FOR CORNER DETAIL VIEWS.
3. SEE SHEETS 8 THROUGH 11 FOR ANCHORAGE INFORMATION. (B)
4. SASH HEIGHTS FOR STANDARD SASH WINDOWS (DETAILS B & C) ARE BASED ON A THREE OVER TWO FORMAT. (B)

Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	NO CHANGES THIS SHEET
F.K.	11/13/06	B	ADD INTEGRAL FIN (I.F.) VERSION, CHG. NOTE 3. ADD NOTE 4.
F.K.	1/24/06	A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

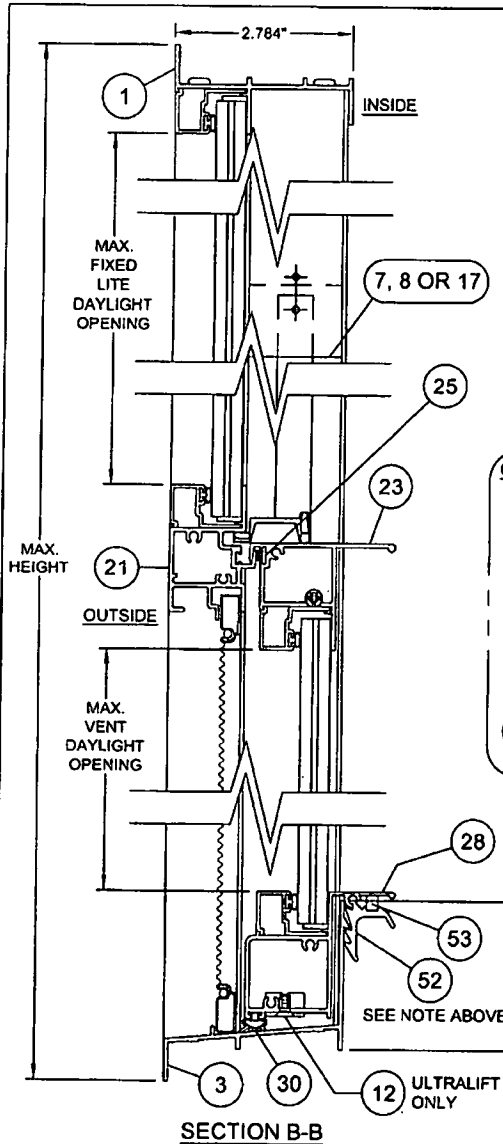
P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

Description: ELEVATIONS
Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No:	Rev:
SH700	NTS	4 of 11	4040-20	C

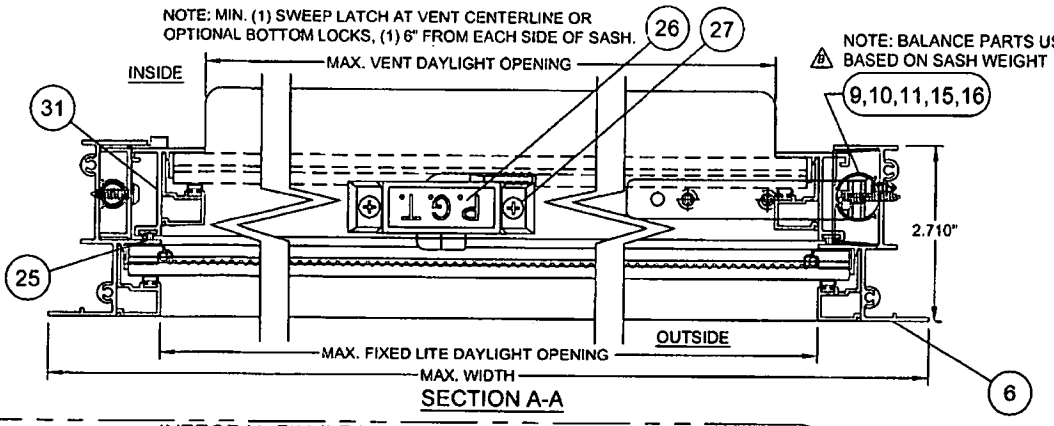
4/2/11
Robert L. Clark, P.E.
PE #39712
Structural



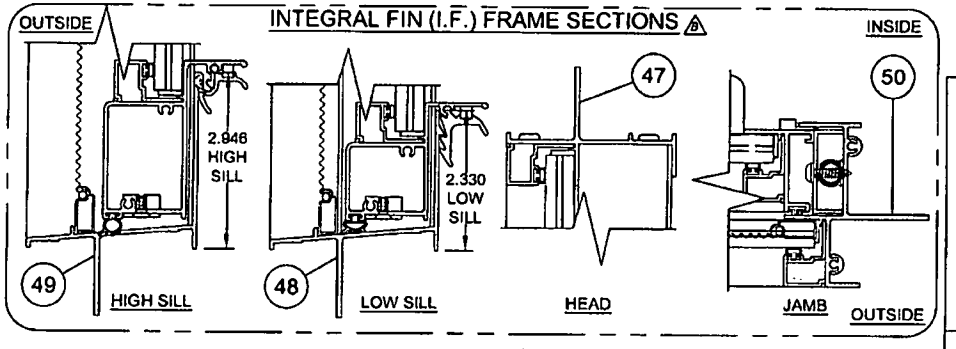
SECTION B-B
(LOW SILL SHOWN)

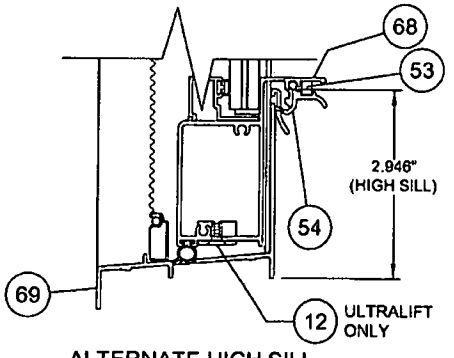
NOTE: MIN. (1) SWEEP LATCH AT VENT CENTERLINE OR OPTIONAL BOTTOM LOCKS, (1) 6" FROM EACH SIDE OF SASH.

NOTE: BALANCE PARTS USED BASED ON SASH WEIGHT

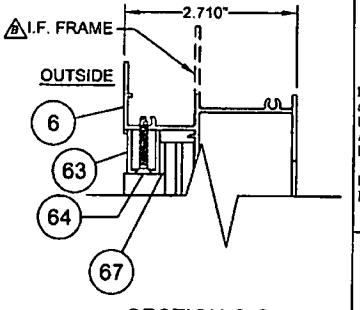


SECTION A-A





ALTERNATE HIGH SILL



SECTION C-C
RADIUS TOP
(HEAD DETAIL - FLANGED VERSION)

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-0405.10
Expiration Date 03/26/2016
By
Miami Dade Product Control

Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	NO CHANGES THIS SHEET
F.K.	11/13/08	B	ADD I.F. SECTIONS & CONSOLIDATE BAL. COMPONENTS
F.K.	1/24/08	A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

Description: SECTIONS

Title: ALUM. SINGLE HUNG WINDOW, IMPACT

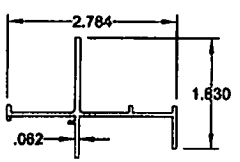
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	Half	5 of 11	4040-20	C

4/3/11

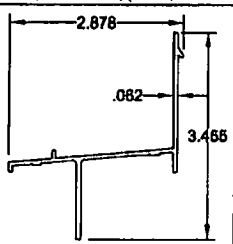
Robert L. Clark, P.E.
PE #39712
Structural

ITEM	DWG.#	DESCRIPTION	PGT#	
1	4002A	FLANGE FRAME HEAD	612225	
2	1155	#8 X 1.000 QUAD PN. SMS	781PQA	
3	4003C	FLANGE FRAME SILL (LOW SILL)	612226	
5	1626	ADHESIVE OPEN CELL FOAM PAD	7PAD1626	
6	4004	FLANGE FRAME JAMB	612227	
7	4025	SASH STOP	612244	B
8	4025	SASH STOP (EGRESS) 1.125 LONG	612244	
9	4029	SPIRAL BALANCE, 3/8", 5/8", OR 11/16"		B
10	1080	BALANCE COVER, 3/8" OR 5/8"	6BALCVR816	B
11		#8 X .750 PH. PN. SMS	7834AA	
12		BALANCE BOTTOM BRACKET	7BALTBKT	
13	1085/1086	SASH TOP GUIDE	42504	B
15		#8 X 1 PHILLIPS FLAT HEAD S. STL	78X1FPAX	
16	1080-1	BALANCE COVER, 11/16"	6BALCVR670	B
17	4053	SASH STOP COVER	64053	
18	4029-1	SASH BRACKET	7ULBRKT	
19		#8-32 X 1/2" LG. PH. FH. TYPE F S. STL	7832X12FPFX	
21	4054C	FIXED MEETING RAIL	64054C	B
23	4006C	SASH TOP RAIL	64006	
25	1235	WSTP.,.170 X .270 BACK, FIN SEAL	67S16G	
26	1096	SWEEP LATCH	71096	
27	1016	#8 X .625 PH. FL. SMS	7858	
28	4007	SASH BOTTOM RAIL (LOW SILL)	612230	
30	1226	WSTP., BULB VINYL	6TP249	
31	4008	SASH SIDE RAIL	612231	
34	1268	SASH FACE GUIDE	42501	
35	1622	LAMI SETTING BLOCK 3/32" X 25/64" X 1"	71622K	
36	1052	LAMI IG SETTING BLOCK 1" X 3/4" X 1/16"	71052K	
37	1224	VINYL GLAZ. BEAD BULB (THICK)	6TP247W,K	
38	1225	VINYL GLAZ. BEAD BULB (THIN)	6TP248K	
41	4039B	GLAZING BEAD, 5/16 LAM. GLASS.	64039B	
42	4044B	GLAZING BEAD, 5/16 LAMI W/GRILL KIT	644703	
44	4222A	GLAZING BEAD, 7/16" LAMI	64222	
45	985C	GLAZING BEAD, 7/16" LAMI W/GRILL KIT	6985	
46	4067	GLAZING BEAD, 13/16" LAMI I.G.	64067	
47	4071A	FRAME, I.F. HEAD	64071	B
48	4072A	FRAME, I.F. LOW SILL	64072	B
49	4073A	FRAME, I.F. HIGH SILL	64073	B
50	4074B	FRAME, I.F. JAMB	64074	B
52	4009	SILL LATCH (EGRESS) (LOW SILL)	784009	
53	1088	SPRING, SILL LATCH (EGRESS)	7SPRNG	
54	2740	SILL LATCH (EGRESS) (HIGH SILL)	62740	
55	1014	SCREEN FRAME (HOR. & VER.)	61014	
56	1630	SCREEN CORNER KEY W/RINGS	71630	
57	1631	SCREEN CORNER KEY W/OUT RINGS	71631	
58	1073	SCREEN SPRING	7CASP	
59	1624	SCREEN SPLINE - .135 DIA. FOAM	61624K	

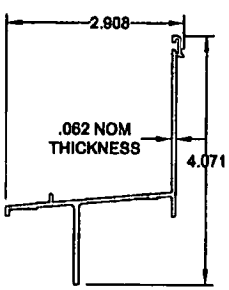
ITEM	DWG.#	DESCRIPTION	PGT#	
60	1635	SCREEN SPLINE - .135 DIA. HARD	61635K	
61		SCREEN CLOTH	61816	
63	505	GLAZING CHANNEL (.688 X .500)	6533402	
64	1161	#6 X 1.000 PH. BUGLE TEK	706X1	
67		GLAZING TAPE, 1/16 X 1/2 - 7/16 LAMI	62BV1510	
68	4051A	SASH BOTTOM RAIL (HIGH SILL)	64051	
69	4050A	FLANGE FRAME SILL (HIGH SILL)	64050	
70		SILICONE, DOW 899, 995 OR EQUIV.		
80	A. GLASS, 5/16" LAMI, (1/8"A,.090 PVB,1/8"A)			
81	B. GLASS, 5/16" LAMI, (1/8"A,.090 PVB,1/8"HS)			
82	C. GLASS, 5/16" LAMI, (1/8"HS,.090 PVB,1/8"HS)			
83	D. GLASS, 7/16" LAMI, (1/8"A,.090 PVB,1/8"A)			
84	E. GLASS, 7/16" LAMI, (1/8"A,.090 PVB,1/8"HS)			
85	F. GLASS, 7/16" LAMI, (1/8"HS,.090 PVB,1/8"HS)			
86	G. GLASS, 13/16" LAMI IG; 1/8"T, AIR SPACE, 5/16" LAMI, (1/8"A,.090 PVB,1/8"A)			C
87	H. GLASS, 13/16" LAMI IG; 1/8"T, AIR SPACE, 5/16" LAMI, (1/8"A,.090 PVB,1/8"HS)			
88	I. GLASS, 13/16" LAMI IG; 1/8"T, AIR SPACE, 5/16" LAMI, (1/8"HS,.090 PVB,1/8"HS)			
89	J. GLASS, 13/16" LAMI IG; 1/8"T, AIR SPACE, 7/16" LAMI, (3/16"A,.090 PVB,3/16"A)			
90	K. GLASS, 13/16" LAMI IG; 1/8"T, AIR SPACE, 7/16" LAMI, (3/16"A,.090 PVB,3/16"HS)			
91	L. GLASS, 13/16" LAMI IG; 1/8"T, AIR SPACE, 7/16" LAMI, (3/16"HS,.090 PVB,3/16"HS)			
92	M. GLASS, 13/16" LAMI IG; 1/8"A, AIR SPACE, 5/16" LAMI, (1/8"A,.090 PVB,1/8"A)			B



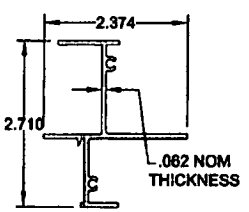
47 FRAME, I.F. HEAD
#4071A, 6063-T6



48 FRAME, I.F. LOW SILL
#4072A, 6063-T6



49 FRAME, I.F. HIGH SILL
#4073A, 6063-T6



50 FRAME, I.F. JAMB
#4074B, 6063-T6
(USED AS RADIUS TOP HEAD)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0405.10
Expiration Date 03/26/2016
By
Miami Dade Product Control

Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	CHANGED CAP GLASS TYPE TO TEMPERED FROM HS
F.K.	11/13/06	B	ADD LF. FRAME ITEMS 47, 48, 49 AND 50. UPGRADE ITEM 21. ADD ITEM 92. CHG. DESCRIPTION ITEMS 7,9 & 13
F.K.	1/24/06	A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1629
NOKOMIS, FL 34274

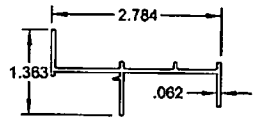
PGT
Visibly Better

Description: PARTS LIST

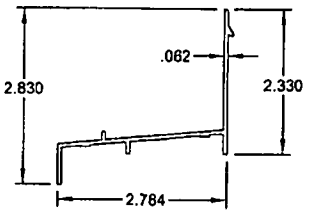
Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	NTS	6 of 11	4040-20	C

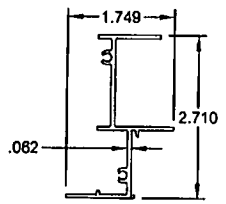
4/3/11
Robert L. Clark, P.E.
PE #39712
Structural



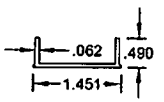
1 FLANGE FRAME HEAD
#4002A, 6063-T6



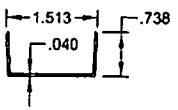
3 FLANGE FRAME SILL (LOW)
#4003C, 6063-T6



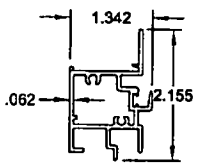
6 FLANGE FRAME JAMB
#4004, 6063-T5
(USED AS RADIUS TOP HEAD)



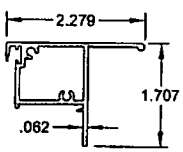
7 SASH STOP
#4025, 6063-T5



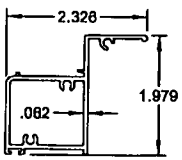
17 SASH STOP COVER
#4053, 6063-T5



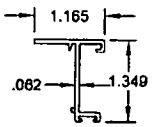
21 FIXED MEETING RAIL
#4054A, 6063HD-T6 B



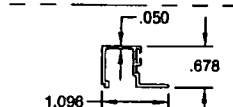
23 SASH TOP RAIL
#4006C, 6063HS-T6



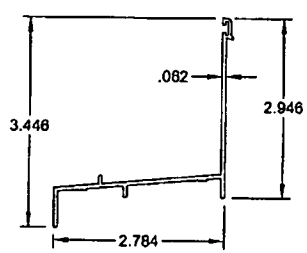
28 SASH BOTTOM RAIL (LOW)
#4007, 6063-T5



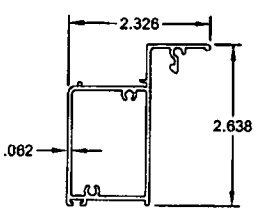
31 SASH SIDE RAIL
#4008, 6063-T5



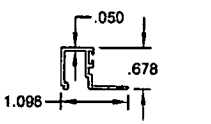
41 GLAZING BEAD, 5/16"
#4039B, 6063-T5



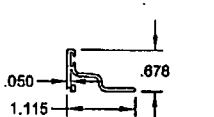
69 FLANGE FRAME SILL (HIGH)
#4050A, 6063-T6



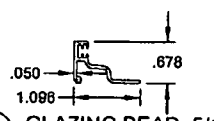
68 SASH BOTTOM RAIL (HIGH)
#4051A, 6063-T5



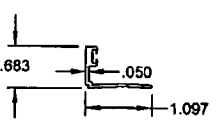
44 GLAZING BEAD 7/16"
#4222, 6063-T5



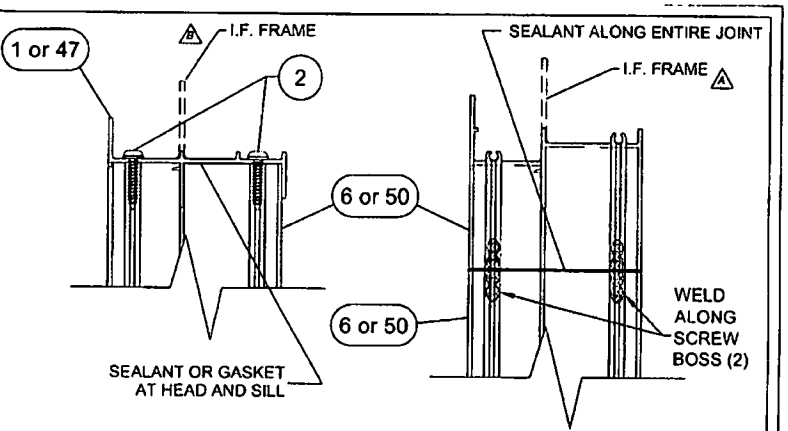
45 GLAZING BEAD, 7/16"
#986C, 6063-T5
(USED W/ GRILL KIT)



42 GLAZING BEAD, 5/16"
#4044B, 6063-T5
(USED W/ GRILL KIT)



46 GLAZING BEAD, 13/16" IG
#4067, 6063-T5



VIEW D-D
(1/1 & VIEW HEAD & SILL, RADIUS TOP SILL)

VIEW E-E
(RADIUS TOP HEAD ONLY)

FRAME CORNER CONSTRUCTION

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0405.10
Expiration Date 03/26/2016
By
Miami Dade Product Control

Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	NO CHANGES THIS SHEET
F.K.	11/13/06	B	UPDATE FRAME CORNER ASSEMBLY TO INCLUDE I.F. AND UPGRADE ITEM 21 ALLOY.
F.K.	1/24/06	A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

Description: EXTRUSIONS & FRAME CORNER DETAIL

Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	Half	7 of 11	4040-20	C

4/4/11
Robert L. Clark, P.E.
PE #39712
Structural

ANCHOR QUANTITIES FOR 1/1 FLANGED WINDOWS

TABLE 5.

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT	28.603			34.603			40.603			46.603			52.603			58.603			64.603			76.000		
		SUBSTRATE:	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC
		ANCHOR TYPE:																								
19.125	C,D,E,F,G, H,I,J,K,L		1 1 2	1 1 1	1 1 1	1 1 2	1 1 1	1 1 2	1 2 2	1 1 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 3	1 2 2	1 3 3
	A,B,M		1 1 2	1 1 1	1 1 1	1 1 2	1 1 1	1 1 2	1 2 2	1 1 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 3	1 2 2	1 3 3
24.000	C,D,E,F,G, H,I,J,K,L		1 1 2	1 1 1	1 1 2	1 1 2	1 1 2	1 1 2	1 2 2	1 1 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 3	1 2 2	1 2 2	1 2 3	1 2 2	1 2 2	1 3 3	1 2 2	1 3 3
	A,B,M		1 1 2	1 1 1	1 1 2	1 1 2	1 1 2	1 1 2	1 2 2	1 1 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 2	1 2 3	1 2 2	1 2 2	1 2 3	1 2 2	1 2 2	1 3 3	1 2 2	1 3 3
32.000	C,D,E,F,G, H,I,J,K,L		1 1 2	1 1 2	1 2 2	1 2 3	1 1 2	1 2 2	1 2 3	1 1 2	1 2 3	1 2 3	1 2 2	1 2 3	1 2 3	1 2 2	1 2 3	2 3 3	1 2 2	1 3 3	2 3 4	1 2 3	1 3 3	2 3 4	1 3 3	1 4 4
	A,B,M		1 1 2	1 1 2	1 2 2	1 2 3	1 1 2	1 2 2	1 2 3	1 1 2	1 2 3	1 2 3	1 2 2	1 2 3	1 2 3	1 2 2	1 2 3	1 3 3	1 2 2	1 3 3	1 3 4	1 2 3	1 3 3	1 3 4	1 3 3	1 4 4
37.000	C,D,E,F,G, H,I,J,K,L		1 2 2	1 1 2	1 2 2	1 2 3	1 1 2	1 2 3	2 2 3	1 2 2	1 2 3	2 2 3	1 2 2	2 2 3	2 2 3	1 2 2	2 2 3	2 3 4	1 2 3	2 3 3	2 3 4	1 3 3	2 3 4	2 3 5	1 3 3	2 4 4
	A,B,M		1 2 2	1 1 2	1 2 2	1 2 3	1 1 2	1 2 3	2 2 3	1 2 2	1 2 3	2 2 3	1 2 2	2 2 3	2 2 3	1 2 2	2 2 3	2 3 4	1 2 3	2 3 3	2 3 4	1 3 3	2 3 4	2 3 5	1 3 3	2 4 4
40.000	PSF		79																							
	C,D,E,F,G, H,I,J,K,L		2 2 2	2 1 2	2 2 2	2 2 3	2 2 2	2 2 3	2 2 3	2 2 2	2 2 3	2 2 3	2 2 3	2 2 3	2 2 4	2 3 3	2 3 3	3 4 4	2 3 3	3 3 4	3 5 5	3 3 4	4 4 5	3 3 4	4 4 5	4 4
	A,B,M		2 2 2	2 1 2	2 2 2	2 2 3	2 2 2	2 2 3	2 2 3	2 2 2	2 2 3	2 2 3	2 2 3	2 2 3	2 2 4	2 3 3	2 3 3	3 4 4	2 3 3	3 3 4	3 5 5	3 3 4	4 4 5	3 3 4	4 4 5	4 4
44.000	PSF		79																							
	C,D,E,F,G, H,I,J,K,L		2 2 2	2 2 2	2 2 2	2 2 3	2 2 2	2 2 3	2 2 3	2 2 3	3 3 4	2 2 4	2 3 3	3 3 4	3 4 4	2 3 3	3 3 4	3 4 4	2 3 3	3 4 4	3 5 5	3 3 4	4 4 5	3 4 4	4 5 5	4 5
	A,B,M		2 2 2	2 2 2	2 2 2	2 2 3	2 2 2	2 2 3	2 2 3	2 2 3	3 3 4	2 2 4	2 3 3	3 3 4	3 4 4	2 3 3	3 3 4	3 4 4	2 3 3	3 4 4	3 5 5	3 3 4	4 4 5	3 4 4	4 5 5	4 5
48.000	PSF		79		79																					
	C,D,E,F,G, H,I,J,K,L		2 2 2	2 2 2	2 2 2	2 2 3	2 2 2	2 2 3	2 2 3	2 2 3	3 4 4	2 3 3	3 3 4	3 4 4	3 4 4	2 3 3	3 4 4	3 5 5	3 3 4	4 4 5	3 5 5	3 3 4	5 5 5	4 6 6	3 4 5	5 5
	A,B,M		2 2 2	2 2 2	2 2 2	2 2 3	2 2 2	2 2 3	2 2 3	2 2 3	3 4 4	2 3 3	3 3 4	3 4 4	3 4 4	2 3 3	3 4 4	3 5 5	3 3 4	4 4 5	3 5 5	3 3 4	5 5 5	4 6 6	3 4 5	5 5
53.125	PSF		72		79	79																				
	C,D,E,F,G, H,I,J,K,L		2 2 2	2 2 2	2 2 2	2 2 3	2 2 2	2 2 3	2 2 3	2 2 3	3 4 4	2 3 3	3 3 4	3 4 4	3 4 4	3 3 3	3 4 4	3 5 5	3 3 4	4 4 5	4 6 6	3 4 5	5 5 6	4 6 6	3 4 5	5 6
	A,B,M		2 2 2	2 2 2	2 2 2	2 2 3	2 2 2	2 2 3	2 2 3	2 2 3	3 4 4	2 3 3	3 3 4	3 4 4	3 4 4	3 3 3	3 4 4	3 5 5	3 3 4	4 4 5	4 6 6	3 4 5	5 5 5	4 6 6	3 4 5	5 5

ANCHORAGE NOTES:

1. ANCHOR TYPES: 1 - 1/4" ELCO TAPCONS
   2 - 1/4" ELCO SS4 CRETE-FLEX
   3 - #12 SCREWS
2. ANCHOR LOCATIONS ARE BASED ON THE FOLLOWIING DIMENSIONS.
   HEAD - 18 1/2" MAX. FROM TOP CORNERS
   JAMBS - 17 1/2" MAX. FROM TOP CORNERS
   15" MAX. FROM BOTTOM CORNERS
   6" MAX. BELOW MTG. RAIL
   SILL - ANCHORS NOT REQUIRED
3. INSTALL PER THE ADJACENT TABLE ANCHOR QUANTITIES USING THE DIMENSIONAL CRITERIA OF NOTE 2.
4. TABLE WIDTH AND HEIGHT DIMENSION ARE FOR FLANGED WINDOWS. INTEGRAL FIN DIMENSIONS ARE 1" LESS.
5. DESIGN PRESSURE LIMITATIONS:
   SIZE BLOCKS OF THE ADJACENT TABLE WITH A BOLD ITALICIZED VALUE ABOVE THEM, INDICATE A MAXIMUM DESIGN PRESSURE WITH THE QUANTITY OF ANCHORS SHOWN IN BOLD. OTHERWISE, THE MAXIMUM DESIGN PRESSURE FOR THE RESPECTIVE SIZE AND GLASS TYPE IS AVAILABLE.

TABLE KEY:

MAX. PSF (DP LIMITED) 118

HEAD 2

JAMB ABOVE MTG. RAIL 2 3

JAMB BELOW MTG. RAIL

(FULL DP)

HEAD 2

JAMB ABOVE MTG. RAIL 2 3

JAMB BELOW MTG. RAIL

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 11-0405.10
Expiration Date 03/26/2016
By
Miami Dade Product Control

4/5/11
Robert L. Clark, P.E.
PE #39712
Structural

Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	NO CHANGES THIS SHEET
F.K.	11/13/06	B	REVISE ANCHORAGE TABLE AND NOTES. ADD DP MAX. WHERE ANCHOR QTY IS RESTRICTED BY SIZE.
F.K.	1/24/06	A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 7/29/05	Checked By: J.J.	Date: 2/23/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34276

P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

Description: ANCHORAGE SPACING, 1/1 WINDOWS

Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model	Scale	Sheet	Drawing No.	Rev.
SH700	NTS	8 x 11	4040-20	C

ANCHOR QUANTITIES FOR STANDARD VIEW AND RADIUS TOP FLANGED WINDOWS

TABLE 6.

(Each cell: HEAD / JAMB ABOVE MTG. RAIL JAMB BELOW MTG. RAIL. PSF rows give the max. PSF (DP limited) for the size block.)

WINDOW WIDTH	GLASS TYPE	29.655 2,3 WOOD	29.655 2 CONC	29.655 1 CONC	37.155 2,3 WOOD	37.155 2 CONC	37.155 1 CONC	44.655 2,3 WOOD	44.655 2 CONC	44.655 1 CONC	52.155 2,3 WOOD	52.155 2 CONC	52.155 1 CONC
19.125	C,D,E,F,G, H,I,J,K,L	1 / 1 1	1 / 1 1	1 / 1 1	1 / 2 2	1 / 2 1	1 / 2 2	1 / 2 2	1 / 2 1	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2
19.125	A,B,M	1 / 1 1	1 / 1 1	1 / 1 1	1 / 2 2	1 / 2 1	1 / 2 2	1 / 2 2	1 / 2 1	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2
24.000	PSF	***79***											
24.000	C,D,E,F,G, H,I,J,K,L	1 / 1 1	1 / 1 1	1 / 1 1	1 / 2 2	1 / 1 1	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2
24.000	A,B,M	1 / 1 1	1 / 1 1	1 / 1 1	1 / 2 2	1 / 1 1	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2
32.000	PSF	***68***		***77***									
32.000	C,D,E,F,G, H,I,J,K,L	1 / 1 1	1 / 1 1	1 / 1 1	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 3	1 / 2 2	1 / 2 2	2 / 3 3	1 / 2 2	1 / 3 3
32.000	A,B,M	1 / 1 1	1 / 1 1	1 / 1 1	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 3	1 / 2 2	1 / 2 2	2 / 3 3	1 / 2 2	1 / 3 3
37.000	PSF	***59***		***67***	***79***								
37.000	C,D,E,F,G, H,I,J,K,L	1 / 1 1	1 / 1 1	1 / 1 1	2 / 2 2	1 / 2 2	1 / 2 2	2 / 2 3	1 / 2 2	2 / 2 3	2 / 3 3	1 / 2 2	2 / 3 3
37.000	A,B,M	1 / 1 1	1 / 1 1	1 / 1 1	2 / 2 2	1 / 2 2	1 / 2 2	2 / 2 3	1 / 2 2	2 / 2 3	2 / 3 3	1 / 2 2	2 / 3 3
40.000	PSF	***54***	***79***	***62***	***79***								
40.000	C,D,E,F,G, H,I,J,K,L	2 / 1 1	2 / 1 1	2 / 1 1	2 / 2 2	2 / 2 2	2 / 2 2	2 / 2 3	2 / 2 2	2 / 3 3	2 / 3 3	2 / 2 2	2 / 3 3
40.000	A,B,M	2 / 1 1	2 / 1 1	2 / 1 1	2 / 2 2	2 / 2 2	2 / 2 2	2 / 2 3	2 / 2 2	2 / 3 3	2 / 3 3	2 / 2 2	2 / 3 3
44.000	PSF	***49***	***79***	***56***	***79***		***79***						
44.000	C,D,E,F,G, H,I,J,K,L	2 / 1 1	2 / 1 1	2 / 1 1	2 / 2 2	2 / 2 2	2 / 2 2	2 / 3 3	2 / 2 2	2 / 3 3	2 / 3 4	2 / 2 3	2 / 3 3
44.000	A,B,M	2 / 1 1	2 / 1 1	2 / 1 1	2 / 2 2	2 / 2 2	2 / 2 2	2 / 3 3	2 / 2 2	2 / 3 3	2 / 3 4	2 / 2 3	2 / 3 3
48.000	PSF	***45***	***74***	***51***	***74***		***79***	***79***					
48.000	C,D,E,F,G, H,I,J,K,L	2 / 1 1	2 / 1 1	2 / 1 1	2 / 2 2	2 / 2 2	2 / 2 2	2 / 3 3	2 / 2 2	2 / 3 3	2 / 3 4	2 / 3 3	2 / 3 3
48.000	A,B,M	2 / 1 1	2 / 1 1	2 / 1 1	2 / 2 2	2 / 2 2	2 / 2 2	2 / 3 3	2 / 2 2	2 / 3 3	2 / 3 4	2 / 3 3	2 / 3 3
53.125	PSF	***41***	***67***	***46***	***67***		***76***	***79***					
53.125	C,D,E,F,G, H,I,J,K,L	2 / 1 1	2 / 1 1	2 / 1 1	2 / 2 2	2 / 2 2	2 / 2 2	3 / 3 3	2 / 3 3	2 / 3 3	3 / 4 4	2 / 3 3	3 / 4 4
53.125	A,B,M	2 / 1 1	2 / 1 1	2 / 1 1	2 / 2 2	2 / 2 2	2 / 2 2	3 / 3 3	2 / 3 3	2 / 3 3	3 / 4 4	2 / 3 3	3 / 4 4

WINDOW WIDTH	GLASS TYPE	59.655 2,3 WOOD	59.655 2 CONC	59.655 1 CONC	67.155 2,3 WOOD	67.155 2 CONC	67.155 1 CONC	74.655 2,3 WOOD	74.655 2 CONC	74.655 1 CONC	76.000 2,3 WOOD	76.000 2 CONC	76.000 1 CONC
19.125	C,D,E,F,G, H,I,J,K,L	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2	1 / 3 2	1 / 2 2	1 / 3 2	1 / 3 2	1 / 2 2	1 / 3 2
19.125	A,B,M	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2	1 / 2 2	1 / 3 2	1 / 2 2	1 / 3 2	1 / 3 2	1 / 2 2	1 / 3 2
24.000	C,D,E,F,G, H,I,J,K,L	1 / 2 2	1 / 2 2	1 / 3 2	1 / 3 2	1 / 2 2	1 / 3 2	1 / 3 2	1 / 2 2	1 / 3 2	1 / 3 2	1 / 2 2	1 / 3 2
24.000	A,B,M	1 / 2 2	1 / 2 2	1 / 3 2	1 / 3 2	1 / 2 2	1 / 3 2	1 / 3 2	1 / 2 2	1 / 3 2	1 / 3 2	1 / 2 2	1 / 3 2
32.000	C,D,E,F,G, H,I,J,K,L	2 / 3 3	1 / 3 2	1 / 3 3	1 / 3 3	1 / 2 2	1 / 3 3	1 / 4 3	1 / 3 2	1 / 4 3	1 / 4 3	1 / 3 2	1 / 4 3
32.000	A,B,M	2 / 3 3	1 / 3 2	1 / 3 3	1 / 3 3	1 / 2 2	1 / 3 3	1 / 4 3	1 / 3 2	1 / 4 3	1 / 4 3	1 / 3 2	1 / 4 3
37.000	C,D,E,F,G, H,I,J,K,L	2 / 3 3	1 / 3 3	2 / 4 3	2 / 3 3	1 / 3 2	2 / 3 3	2 / 4 3	1 / 3 2	2 / 4 3	2 / 4 4	1 / 3 2	2 / 4 3
37.000	A,B,M	2 / 3 3	1 / 3 3	2 / 4 3	2 / 3 3	1 / 3 2	2 / 3 3	2 / 4 3	1 / 3 2	2 / 4 3	2 / 4 4	1 / 3 2	2 / 4 3
40.000	C,D,E,F,G, H,I,J,K,L	2 / 4 3	2 / 3 3	2 / 4 3	2 / 3 3	2 / 3 3	2 / 4 3	2 / 4 4	2 / 3 3	2 / 4 3	2 / 4 4	2 / 3 3	2 / 5 3
40.000	A,B,M	2 / 4 3	2 / 3 3	2 / 4 3	2 / 3 3	2 / 3 3	2 / 4 3	2 / 4 4	2 / 3 3	2 / 4 3	2 / 4 4	2 / 3 3	2 / 5 3
44.000	C,D,E,F,G, H,I,J,K,L	2 / 4 4	2 / 3 3	2 / 4 3	2 / 4 4	2 / 3 3	2 / 4 3	2 / 4 4	2 / 3 3	2 / 4 3	2 / 4 4	2 / 3 3	2 / 5 4
44.000	A,B,M	2 / 4 4	2 / 3 3	2 / 4 3	2 / 4 4	2 / 3 3	2 / 4 3	2 / 4 4	2 / 3 3	2 / 4 3	2 / 4 4	2 / 3 3	2 / 5 4
48.000	C,D,E,F,G, H,I,J,K,L	3 / 4 4	2 / 3 3	2 / 4 4	2 / 4 4	2 / 3 3	2 / 4 4	3 / 4 4	2 / 4 3	2 / 5 4	3 / 4 4	2 / 4 3	2 / 5 4
48.000	A,B,M	3 / 4 4	2 / 3 3	2 / 4 4	2 / 4 4	2 / 3 3	2 / 4 4	3 / 4 4	2 / 4 3	2 / 5 4	3 / 4 4	2 / 4 3	2 / 5 4
53.125	C,D,E,F,G, H,I,J,K,L	3 / 4 4	2 / 3 3	3 / 4 4	3 / 4 4	2 / 3 3	3 / 4 4	3 / 5 5	2 / 4 3	3 / 5 4	3 / 5 5	2 / 4 3	3 / 5 4
53.125	A,B,M	3 / 4 4	2 / 3 3	3 / 4 4	3 / 4 4	2 / 3 3	2 / 4 4	3 / 5 4	2 / 4 3	3 / 5 4	3 / 5 4	2 / 4 3	3 / 5 4

ANCHORAGE NOTES:

1. ANCHOR TYPES: 1 - 1/4" ELCO TAPCONS
   2 - 1/4" ELCO SS4 CRETE-FLEX
   3 - #12 SCREWS
2. ANCHOR LOCATIONS ARE BASED ON THE FOLLOWING DIMENSIONS:
   HEAD - 18 1/2" MAX. FROM TOP CORNERS
   JAMBS - 17 1/2" MAX. FROM TOP CORNERS
   15" MAX. FROM BOTTOM CORNERS
   6" MAX. BELOW MTG. RAIL
   SILL - ANCHORS NOT REQUIRED
3. INSTALL PER THE ADJACENT TABLE ANCHOR QUANTITIES USING THE DIMENSIONAL CRITERIA OF NOTE 2.
4. TABLE WIDTH AND HEIGHT DIMENSION ARE FOR FLANGED WINDOWS. INTEGRAL FIN DIMENSIONS ARE 1" LESS.
5. DESIGN PRESSURE LIMITATIONS:
   SIZE BLOCKS OF THE ADJACENT TABLE WITH A BOLD ITALICIZED VALUE ABOVE THEM, INDICATE A MAXIMUM DESIGN PRESSURE WITH THE QUANTITY OF ANCHORS SHOWN IN BOLD. OTHERWISE, THE MAXIMUM DESIGN PRESSURE FOR THE RESPECTIVE SIZE AND GLASS TYPE IS AVAILABLE.

TABLE KEY:

MAX. PSF (DP LIMITED) 117
HEAD 3
JAMB ABOVE MTG. RAIL 3 | JAMB BELOW MTG. RAIL 3

(FULL DP)
HEAD 2
JAMB ABOVE MTG. RAIL 2 | JAMB BELOW MTG. RAIL 2

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 11-0405.10
Expiration Date 03/26/2016
By
Miami Dade Product Control

Robert L. Clark, P.E.
PE #39712
Structural

Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	NO CHANGES THIS SHEET
F.K.	11/13/06	B	REVISE ANCHORAGE TABLE AND NOTES. ADD DP MAX. WHERE ANCHOR QTY IS RESTRICTED BY SIZE.
F.K.	1/24/06	A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 7/28/05	Checked By: J.J.	Date: 2/23/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

Description: ANCHORAGE SPACING, STANDARD VIEW
Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	NTS	9 of 11	4040-20	C

ANCHOR QUANTITIES ABOVE MEETING RAIL (HEAD & JAMBS), CUSTOM FLANGED WINDOW HEIGHT MINUS SASH HEIGHT TABLE 7.

WINDOW HEIGHT MINUS SASH HEIGHT FROM TABLE 8.

SUBSTRATE: / ANCHOR TYPE:		17.125			22.668			28.211			33.754			39.296			44.839			50.382			55.925		
WINDOW WIDTH	GLASS TYPE	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC
19.125	D,E,F,J,K,L	1/1	1/1	1/1	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/3	1/2	1/3	1/3	1/2	1/3	1/3	1/3	1/3
24.000	D,E,F,J,K,L	1/1	1/1	1/1	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/3	1/3	1/2	1/3	1/3	1/2	1/3	1/3	1/3	1/3	1/3	1/3	1/4
32.000	D,E,F,J,K,L	1/1	1/1	1/1	1/2	1/2	1/2	2/3	1/2	1/3	2/3	1/3	1/3	1/3	1/2	1/3	1/4	1/3	1/4	1/4	1/3	1/4	1/5	1/3	1/5
37.000	PSF						79																		
	D,E,F,J,K,L	1/1	1/1	1/1	2/2	1/2	2/2	2/3	1/2	2/3	2/3	1/3	2/4	2/3	1/3	2/3	2/4	1/3	2/4	2/4	1/4	2/5	2/5	1/4	2/5
40.000	PSF			79	79		79			79															
	D,E,F,J,K,L	2/1	2/1	2/1	2/2	2/2	2/2	2/3	2/3	2/3	2/4	2/3	2/4	2/4	2/3	2/4	2/4	2/3	2/5	2/4	2/4	2/5	2/5	2/4	2/6
44.000	PSF	79		76	79		77	79		79			79												
	D,E,F,J,K,L	2/1	2/1	2/1	2/2	2/2	2/2	2/3	2/3	2/3	2/4	2/4	2/4	2/4	2/3	2/5	2/4	2/3	2/5	2/5	2/4	2/5	2/5	2/4	2/6
48.000	PSF	78	79	70	79	79	71	79		73			76												
	D,E,F,J,K,L	2/1	2/1	2/1	2/2	2/2	2/2	2/3	2/3	2/3	3/4	2/4	2/4	2/5	2/4	2/5	3/5	2/4	2/6	3/5	2/4	2/6	3/6	2/5	2/6
53.125	PSF	71	79	63	71	79	64	74		66	77		69						69						
	D,E,F,J,K,L	2/1	2/1	2/1	2/2	2/2	2/2	3/3	2/3	2/3	3/4	2/4	3/4	3/5	2/4	3/5	3/6	2/5	3/6	3/6	2/5	3/7	3/6	2/5	3/7

ANCHOR QUANTITIES AT JAMBS BELOW MEETING RAIL, CUSTOM FLANGED WINDOWS BASED ON SASH HT.

TABLE 8.

SUBSTRATE: / ANCHOR TYPE:		12.776			15.776			18.776			21.776			24.776			27.776			30.776			31.106		
WINDOW WIDTH		2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC	2,3 WOOD	2 CONC	1 CONC
19.125		1	1	1	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24.000		2	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2	2
32.000		2	1	2	2	2	2	3	2	2	3	2	3	3	2	3	3	2	3	4	2	3	4	2	3
37.000					79																				
		2	1	2	2	2	2	3	2	3	3	2	3	3	3	3	3	3	3	4	3	3	4	3	4
40.000					74																				
		2	2	2	2	2	2	3	2	3	3	2	3	3	3	3	4	3	3	4	3	4	4	3	4
44.000					68		78																		
		2	2	2	2	2	2	3	2	3	3	3	3	4	3	3	4	3	4	5	3	4	5	3	4
48.000					63		72	79																	
		2	2	2	2	2	2	3	2	3	4	3	3	4	3	4	4	3	4	5	3	4	5	3	4
53.125		73			58		66	72																	
		2	2	2	2	2	2	3	3	3	4	3	4	4	3	4	5	3	4	5	3	5	5	3	5

ANCHORAGE NOTES:

1. ANCHOR TYPES: 1 - 1/4" ELCO TAPCONS
   2 - 1/4" ELCO SS4 CRETE-FLEX
   3 - #12 SCREWS
2. ANCHOR LOCATIONS ARE BASED ON THE FOLLOWIING
   B DIMENSIONS:
   HEAD - 18 1/2" MAX. FROM CORNERS
   JAMBS - 17 1/2" MAX. FROM TOP CORNERS
   11 1/2" MAX. ABOVE THE MEETING RAIL
   6" MAX. BELOW MTG. RAIL
   15" MAX. FROM BOTTOM CORNERS
   SILL - ANCHORS NOT REQUIRED
3. DETERMINE THE ANHCOR QUANTITIES FOR CUSTOM B VIEW WINDOWS FROM TABLES 7. AND 8. USING THE DIMENSIONAL CRITERIA OF NOTE 2. USE TABLE 7. FOR ABOVE THE MEETING RAIL AND TABLE 8. FOR BELOW.
4. AVAILABLE SASH HEIGHTS FOR CUSTOM VIEW B WINDOWS ARE 12 5/8" MIN. TO 38" MAX.
5. TABLE WIDTH AND HEIGHT DIMENSION ARE FOR B FLANGED WINDOWS. INTEGRAL FIN DIMENSIONS ARE 1" LESS.
6. DESIGN PRESSURE LIMITATIONS:
   B SIZE BLOCKS OF THE ADJACENT TABLE WITH A BOLD ITALICIZED VALUE ABOVE THEM, INDICATE A MAXIMUM DESIGN PRESSURE WITH THE QUANTITY OF ANCHORS SHOWN IN BOLD. OTHERWISE, THE MAXIMUM DESIGN PRESSURE FOR THE RESPECTIVE SIZE AND GLASS TYPE IS AVAILABLE.

B TABLE 7. KEY:

MAX. PSF	
(DP LIMITED)	112
HEAD	2
JAMB ABOVE MTG. RAIL	2
(FULL DP)	
HEAD	2
JAMB ABOVE MTG. RAIL	4

B TABLE 8. KEY:

MAX. PSF	
(DP LIMITED)	112
JAMB BELOW MTG. RAIL	2
(FULL DP)	
JAMB BELOW MTG. RAIL	2

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-0405.10
Expiration Date 03/22/2016
By
Miami Dade Product Control

Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	NO CHANGES THIS SHEET
F.K.	11/13/08	B	REVISE ANCHORAGE TABLE AND NOTES. ADD DP MAX. WHERE ANCHOR QTY IS RESTRICTED BY SIZE.
F.K.	1/24/06	A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 7/29/05	Checked By: J.J.	Date: 2/23/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

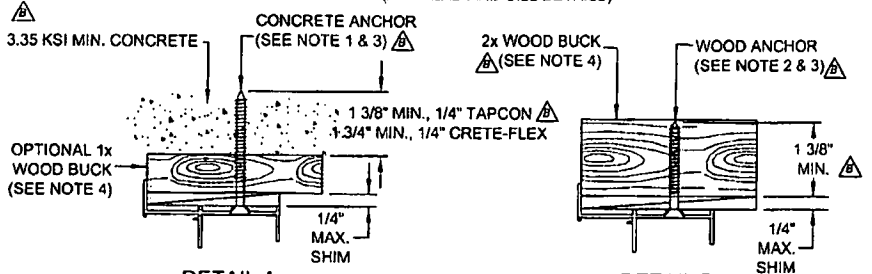
PGT
Visibly Better

Description: ANCHORAGE SPACING, CUSTOM VIEW
Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model	Scale	Sheet	Drawing No.	Rev.
SH700	NTS	10 of 11	4040-20	C

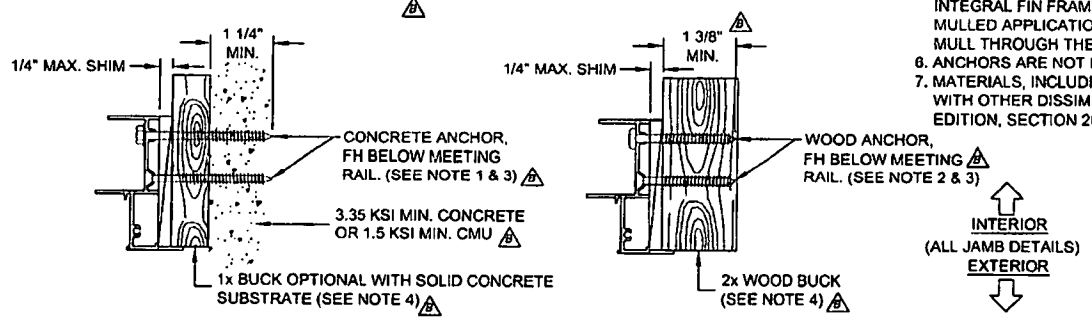
4/8/11
Robert L. Clark, P.E.
PE #39712
Structural

EXTERIOR INTERIOR
(ALL HEAD AND SILL DETAILS)



DETAIL A DETAIL B

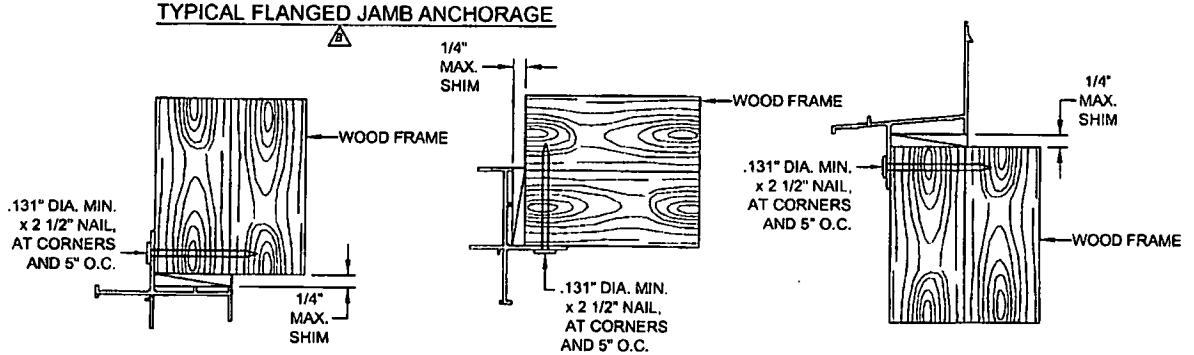
TYPICAL FLANGED HEAD ANCHORAGE B



DETAIL C DETAIL D

INTERIOR
(ALL JAMB DETAILS)
EXTERIOR

TYPICAL FLANGED JAMB ANCHORAGE B



DETAIL F, (HEAD) DETAIL E, (JAMB) DETAIL G, (SILL)

TYPICAL INTEGRAL FIN ANCHORAGE B

B NOTES:

1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 1/4" ELCO TAPCONS OR 1/4" SS4 CRETE-FLEX. MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1 3/4".
2. FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #12 STEEL SCREWS (G5) OR 1/4" SS4 CRETE-FLEX.
3. FLAT HEAD ANCHORS, WHERE REQUIRED, MUST HAVE #12 TRIMFIT HEADS.
4. WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 1x WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
5. FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/8" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME SIMILAR TO THAT SHOWN IN THESE DETAILS FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES AND ANCHORAGE SPACING FOR TAPCONS MAY BE USED. A FLANGED FRAME COMPONENT MAY BE SUBSTITUTED FOR AN INTEGRAL FIN FRAME COMPONENT FOR MULLED APPLICATIONS. FOR INTEGRAL FIN MULLED APPLICATIONS IT IS EXCEPTABLE TO REMOVE THE FIN AND ATTACH TO THE MULL THROUGH THE FRAME USING THE FLANGED FRAME ANCHORAGE REQUIREMENT.
6. ANCHORS ARE NOT REQUIRED AT THE SILL OF FLANGED UNITS.
7. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FBC CURRENT, EDITION, SECTION 2003.8.4 (SUPPLEMENT 2005).

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-9405.10
Expiration Date 03/26/2016
By
Miami Dade Product Control

Revised By:	Date:	Revisions:	
J.R.	04/01/11	C	NO CHANGES THIS SHEET
F.K.	11/13/08	B	ADD INTEGRAL FIN ANCHORAGE. UPDATE & REORDER NOTES. ADD NOTES 7. UPDATE CONCRETE EMBEDMENT DIM.
F.K.	1/24/06	A	ADD NOTE 6 RE FLAT HEAD ANCHORS.
Drawn By: F.K.	Date: 9/1/05	Checked By: J.J.	Date: 2/23/07

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT Vistibly Better

Description: ANCHORAGE DETAILS
Title: ALUM. SINGLE HUNG WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SH700	NTS	11 of 11	4040-20	C

4/5/11

Robert L. Clark, P.E.
PE #39712
Structural

Product Approval

USER: Public User

Product Approval Menu > Product or Application Search > Application List > **Application Detail**

FL #	FL242-R10
Application Type	Revision
Code Version	2007
Application Status	Approved
Comments	
Archived	
Product Manufacturer	PGT Industries
Address/Phone/Email	1070 Technology Drive Nokomis, FL 34275 (941) 486-0100 Ext 22318 druark@pgtindustries.com
Authorized Signature	Jens Rosowski jrosowski@pgtindustries.com
Technical Representative	Jens Rosowski
Address/Phone/Email	1070 Technology Drive Nokomis, FL 34275 (941) 486-0100 Ext 21140 jrosowski@pgtindustries.com
Quality Assurance Representative	
Address/Phone/Email	
Category	Windows
Subcategory	Horizontal Slider
Compliance Method	Certification Mark or Listing
Certification Agency	Miami-Dade BCCO - CER
Validated By	Miami-Dade BCCO - VAL

Referenced Standard and Year (of Standard)

Standard	Year
TAS 201, 202, 203	1994
TAS 202	1994

Equivalence of Product Standards
Certified By

Product Approval Method	Method 1 Option A
Date Submitted	03/03/2010
Date Validated	03/04/2010
Date Pending FBC Approval	03/08/2010
Date Approved	04/07/2010

Summary of Products

FL #	Model, Number or Name	Description

242.1	HR-201 (Heavy Duty Meeting Rail)	Aluminum Horizontal Roller Window
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** N/A **Other:** Please see Miami-Dade County Notice of Acceptance (NOA) #07-0214.16 for product performance information, anchorage details, and anchor type, size, and spacing information.		**Certification Agency Certificate** FL242_R10_C_CAC_201-HDMR-07-0214-16.pdf FL242_R10_C_CAC_Letter HR-201 HDMR.pdf **Quality Assurance Contract Expiration Date** 06/27/2012 **Installation Instructions** FL242_R10_II_201-HDMR-07-0214-16.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: **Evaluation Reports** Created by Independent Third Party:
242.2	HR-201 (Standard Meeting Rail)	Aluminum Horizontal Roller Window
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** N/A **Other:** Please see Miami-Dade County Notice of Acceptance (NOA) #07-0214.17 for product performance information, anchorage details, and anchor type, size, and spacing information.		**Certification Agency Certificate** FL242_R10_C_CAC_201-07-0214-17.pdf FL242_R10_C_CAC_Letter HR-201 StdMR.pdf **Quality Assurance Contract Expiration Date** 06/27/2012 **Installation Instructions** FL242_R10_II_201-07-0214-17.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: **Evaluation Reports** Created by Independent Third Party:
242.3	HR-510 (Large Missile Impact)	WinGuard Vinyl Horizontal Roller Window
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** N/A **Other:** Please see Miami-Dade County Notice of Acceptance (NOA) #09-0901.07 for product performance information, anchorage details, and anchor type, size, and spacing information. HVHZ must follow all provisions identified as "Miami-Dade" on the NOA drawings.		**Certification Agency Certificate** FL242_R10_C_CAC_07FBC-NOA HR510.pdf FL242_R10_C_CAC_09090107 HR510.pdf **Quality Assurance Contract Expiration Date** 02/17/2015 **Installation Instructions** FL242_R10_II_09090107 HR510.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: **Evaluation Reports** Created by Independent Third Party:
242.4	HR-610 (Non-Impact)	WinGuard Aluminum Horizontal Roller Window
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** N/A **Other:** Please see Miami-Dade County Notice of Acceptance (NOA) #07-0815.08 for product performance information, anchorage details, and anchor type, size, and spacing information. HVHZ must follow all provisions identified as "Miami-Dade" on the NOA drawings.		**Certification Agency Certificate** FL242_R10_C_CAC_610-07-0815-08.pdf FL242_R10_C_CAC_Letter HR-610.pdf **Quality Assurance Contract Expiration Date** 07/27/2011 **Installation Instructions** FL242_R10_II_610-07-0815-08.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: **Evaluation Reports** Created by Independent Third Party:
242.5	HR-710 (Impact)	WinGuard Aluminum Horizontal Roller Window
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** N/A **Other:** Please see Miami-Dade County Notice of Acceptance (NOA) #07-0815.09 for product performance information, anchorage details, and anchor type, size, and spacing information. HVHZ must follow all provisions identified as "Miami-Dade" on the NOA drawings.		**Certification Agency Certificate** FL242_R10_C_CAC_710-07-0815-09.pdf FL242_R10_C_CAC_Letter HR-710.pdf **Quality Assurance Contract Expiration Date** 12/21/2011 **Installation Instructions** FL242_R10_II_710-07-0815-09.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: **Evaluation Reports** Created by Independent Third Party:

MIAMI-DADE COUNTY

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339
www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

PGT Industries, Inc.
1070 Technology Drive
Nokomis, FL 34275

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: Series "HR-710" Aluminum Horizontal Roller Window – L.M.I.

APPROVAL DOCUMENT: Drawing No.**4127-10,** titled "Alum. Horizontal Roller Window, Impact", sheets 1 through 11 of 11, dated 02/28/2006 with the latest revision "C" dated 04/15/2007, prepared by PGT Industries, Inc., dated 08/10/2007, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile and Small Missile Impact Resistant

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 **revises NOA No. 06-0405.06** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**

PRODUCT CONTROL ACCEPTED

PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No.**4127-10,** titled "Alum. Horizontal Roller Window, Impact", sheets 1 through 11 of 11, dated 02/28/2006 with the latest revision "C" dated 04/15/2007, prepared by PGT Industries, Inc., dated 08/10/2007, signed and sealed by Robert L. Clark, P.E.

B. TESTS

1. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
   2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   Along with marked-up drawings and installation diagram of XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5330**, dated 07/18/2007, signed and sealed by Carlos S. Rionda, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
   Along with marked-up drawings and installation diagram of XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4858**, dated 03/08/2006, signed and sealed by Edmundo Largaespada, P.E.
   (Submitted under NOA# 06-0405.06)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
   Along with marked-up drawings and installation diagram of XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4859**, dated 03/08/2006, signed and sealed by Edmundo Largaespada, P.E.
   (Submitted under NOA# 06-0405.06)

Manuel Pérez, P.E.
Product Control Examiner
NOA No 07-0815.09
Expiration Date: December 21, 2011
Approval Date: January 03, 2008

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor Calculations and structural analysis, complying with FBC-2004, prepared by PGT Engineering, dated 10/26/06, signed and sealed by Robert L. Clark, P.E. **Complies with ASTM E1300-98 and 02**

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours for "**DuPont Butacite PVB Interlayer**" dated 01/05/2006, expiring on 12/11/2010.
2. Notice of Acceptance No. **03-0421.01** issued to Solutia Inc. for their "**Saflex HP a polyvinyl butryal interlayer for lamination of glass**" dated 05/22/2003, expiring on 04/14/2008.

F. STATEMENTS

1. Statement letter of compliance, and no financial interest, dated 08/10/2007, signed and sealed by Robert L. Clark, P.E.
2. Laboratory compliance letter for Test Report No. **FTL- 5330**, issued by Fenestration Testing Laboratory, Inc., dated 07/18/2007, signed and sealed by Carlos S. Rionda, P.E.
2. Laboratory compliance letter for Test Reports No.'s **FTL- 4858 and FTL- 4859**, issued by Fenestration Testing Laboratory, Inc., dated 03/08/2006, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA# 06-0405.06)

G. OTHER

1. Notice of Acceptance No. **06-0405.09**, issued to PGT Industries, Inc. for their Series "Alum. Horizontal Roller Window, Impact", approved on 12/21/2006 and expiring on 12/21/2011.

Manuel Pérez, P.E.
Product Control Examiner
NOA No 07-0815.09
Expiration Date: December 21, 2011
Approval Date: January 03, 2008

GENERAL NOTES: IMPACT HORIZONTAL ROLLER FLANGED AND INTEGRAL FIN WINDOW

1. GLAZING OPTIONS: (SEE DETAILS ON SHEET 2)

   A. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   B. 5/16" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   C. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   D. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   E. 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   F. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   G. 13/16" LAMI IG: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 5/16" OR 3/8" AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   H. 13/16" LAMI IG: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 5/16" OR 3/8" AIR SPACE AND 5/16" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   I. 13/16" LAMI IG: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 5/16" OR 3/8" AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   J. 13/16" LAMI IG: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 3/16" OR 1/4" AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   K. 13/16" LAMI IG: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 3/16" OR 1/4" AIR SPACE AND 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

   L. 13/16" LAMI IG: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 3/16" OR 1/4" AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

2. CONFIGURATIONS: OX, XO, XOX

3. DESIGN PRESSURES: (SEE TABLES, SHEET 3)

   A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.

   B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-02.

4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 8 THROUGH 11 FOR ANCHORAGE DETAILS.

5. SHUTTERS ARE NOT REQUIRED.

6. FRAME AND PANEL CORNERS SEALED WITH NARROW JOINT SEALANT OR GASKET.

7. REFERENCES: TEST REPORTS FTL-4858, FTL-4859 AND FTL-5330.
   ELCO TEXTRON NOA: 04-0721.01, 03-0225.05
   ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION
   ADM-2005 ALUMINUM DESIGN MANUAL

8. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

NOA DRAWING MAP

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 07-0815.09
Expiration Date 12/1/2011
By Manuel Perez
Miami-Dade Product Control Division

Revised By:	Date:	Revisions:	
F.K.	4/15/07	C	ADD FTL-5330 TO NOTES 7 & CHG. NOTE 8 TO CURRENT EDIT.
F.K.	10/17/06	B	CHANGE TO ASTM E 1300-02
F.K.	5/13/06	A	ADD AIR SPACE DIM. NOTE 1, TECH. REF. NOTE 7 & NOTE 8.
Drawn By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/06

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

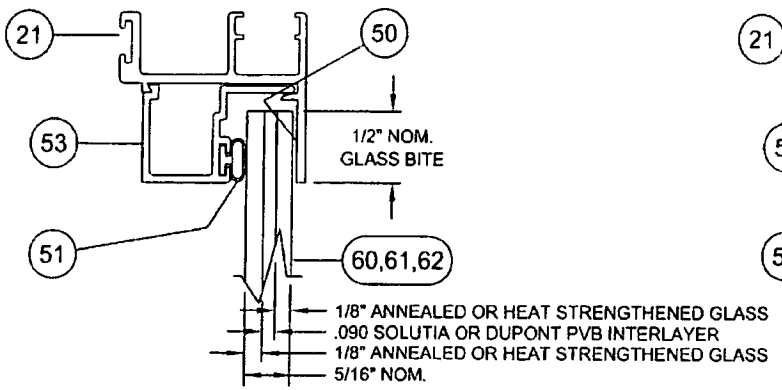
PGT Visibly Better

Description: GENERAL NOTES

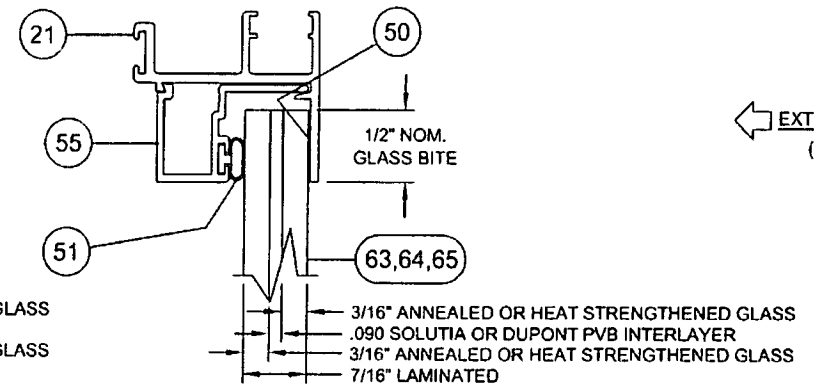
Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.:	Rev:
HR710	NTS	1 of 11	4127-10	C

8/10/07
Robert L. Clark, P.E.
PE #39712
Structural

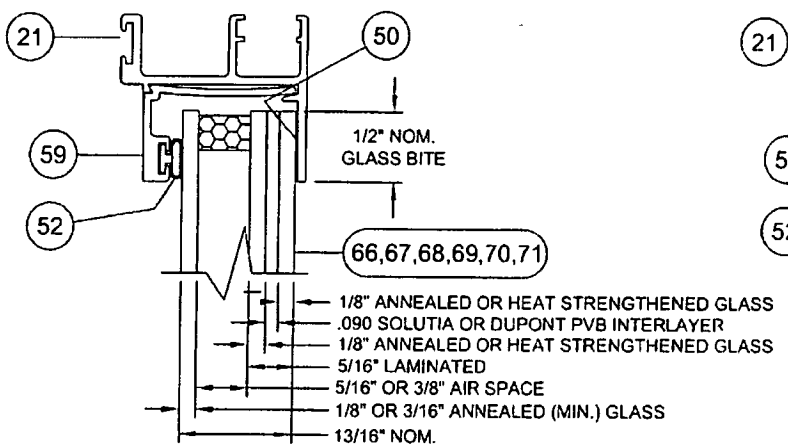


5/16" LAMINATED GLASS

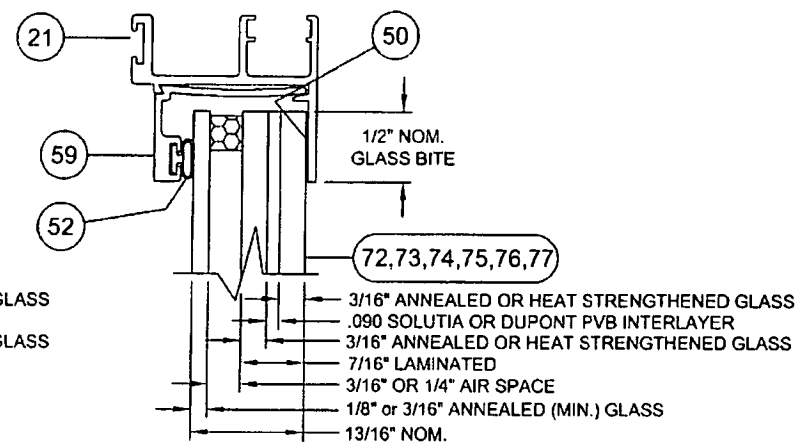


7/16" LAMINATED GLASS

EXTERIOR INTERIOR
(ALL SECTIONS)



13/16" LAMI IG GLASS W/ 5/16" LAMI



13/16" LAMI IG GLASS W/ 7/16" LAMI

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 07-0815.09
Expiration Date 12/7/2011
By Miami-Dade Product Control
Division

Revsd By:	Date:	Revisions:	
F.K.	4/15/07	C	NO CHANGE THIS SHEET
F.K.	10/17/06	B	NO CHANGE THIS SHEET
F.K.	5/13/06	A	ADD AIR SPACE DIM. TO LAMI IG DETAILS
Drawn By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/06

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

Description: GLAZING DETAILS

Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT

Series/Model	Scale	Sheet	Drawing No	Rev
HR710	Full	2 of 11	4127-10	C

8/10/07
Robert L. Clark, P.E.
PE #39712
Structural

TABLE 1.

XOX (1/4,1/2,1/4) FLANGE OR INTEGRAL FIN WINDOWS (FLANGED SHOWN. FIN WINDOWS W/ SAME DLO ARE 1" SMALLER)

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT															
		26"		36"		38 3/8"		48"		50 5/8"		54"		60"		63"	
84"	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0
96"	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+58.8	-58.8	+56.2	-56.2
106 3/8"	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+55.2	-55.2	+52.3	-52.3
108"	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+54.6	-54.6	+51.7	-51.7
111"	A,B,G,H	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+60.0	-60.0	+59.5	-59.5	+53.6	-53.6	+50.9	-50.9
UP TO 111"	C,I															+60.0	-60.0
UP TO 111"	D,E,F, J,K,L															+75.0	-75.0

TABLE 2.

XOX (1/3,1/3,1/3) FLANGE OR INTEGRAL FIN WINDOWS (FLANGED SHOWN. FIN WINDOWS W/ SAME DLO ARE 1" SMALLER)

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT		
		ALL HEIGHTS UP TO	63"	
TO 86 7/16"	A,B,C, G,H,I		+60.0	-60.0
TO 86 7/16"	D,E,F, J,K,L		+75.0	-75.0

TABLE 3.

OX AND XO FLANGE OR INTEGRAL FIN WINDOWS (FLANGED SHOWN. FIN WINDOWS W/ SAME DLO ARE 1" SMALLER)

WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT															
		26"		36"		38 3/8"		48"		50 5/8"		54"		60"		63"	
60"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0
66"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+74.2	-74.2	+70.2	-70.2
72"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+69.6	-69.6	+65.2	-65.2
74"	A,B,G,H	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+75.0	-75.0	+68.1	-68.1	+63.8	-63.8
UP TO 74"	C,D,E,F, I,J,K, L															+75.0	-75.0

GLASS TYPES: TEST REPORT FTL-4858 (XOX), FTL-4859 (OX & XO) AND FTL-5330

A. 5/16" LAMI - (1/8" A, .090,1/8" A)
B. 5/16" LAMI - (1/8" A, .090,1/8" HS)
C. 5/16" LAMI - (1/8" HS, .090,1/8" HS)
D. 7/16" LAMI - (3/16" A, .090, 3/16" A)
E. 7/16" LAMI - (3/16" A, .090, 3/16" HS)
F. 7/16" LAMI - (3/16" HS, .090, 3/16" HS)
G. 13/16" LAMI IG-1/8" OR 3/16"A, 5/16" OR 3/8" AIR SPACE, 5/16" LAMI - (1/8"A, .090,1/8"A)
H. 13/16" LAMI IG-1/8" OR 3/16"A, 5/16" OR 3/8" AIR SPACE, 5/16" LAMI - (1/8"A, .090,1/8"HS)
I. 13/16" LAMI IG-1/8" OR 3/16"A, 5/16" OR 3/8" AIR SPACE, 5/16" LAMI - (1/8"HS, .090,1/8"HS)
J. 13/16" LAMI IG-1/8" OR 3/16"A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16"A, .090, 3/16"A)
K. 13/16" LAMI IG-1/8" OR 3/16"A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16"A, .090, 3/16"HS)
L. 13/16" LAMI IG-1/8" OR 3/16"A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16"HS, .090, 3/16"HS)

Revised By:	Date:	Revisions:	
F.K.	4/15/07	C	ADD INTEGRAL FIN OPTION & UPDATE ASTM E 1300-02 DPs
F.K.	10/17/06	B	REVISE DP TABLES TO ASTM E 1300-02
F.K.	5/13/06	A	ADD AIR SPACE DIMENSION GLASS TYPES G THRU L.
Drawn By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/06

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

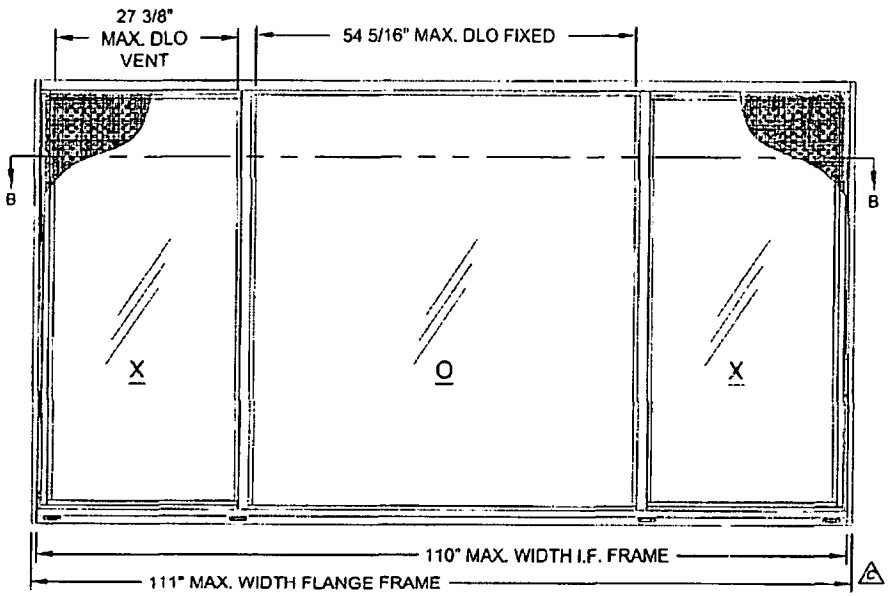
PGT Visibly Better

Description: DESIGN PRESSURES
Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT

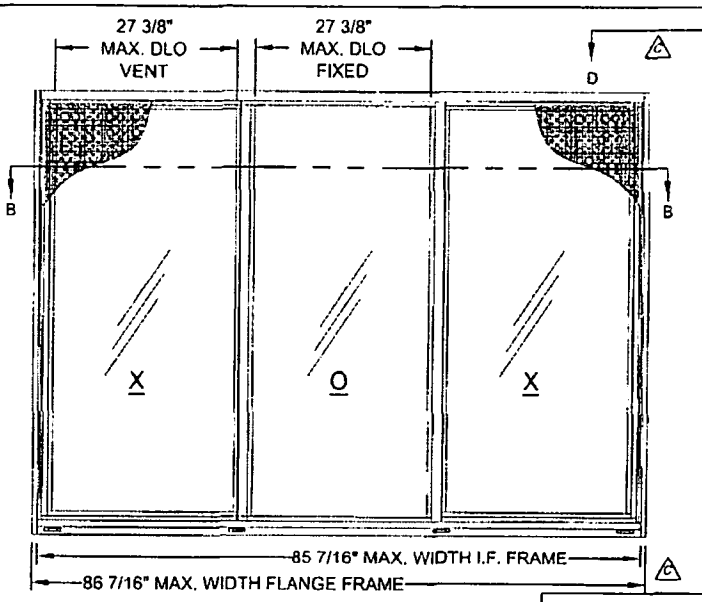
Series/Model	Scale:	Sheet	Drawing No	Rev:
HR710	NTS	3 of 11	4127-10	C

PRODUCT REVISED
In accordance with the Florida Building Code
Acceptance No 07-0815.09
Expiration Date 12/21/2011
By
Miami Dade Product Control Division

8/10/07
Robert L. Clark, P.E.
PE #39712
Structural



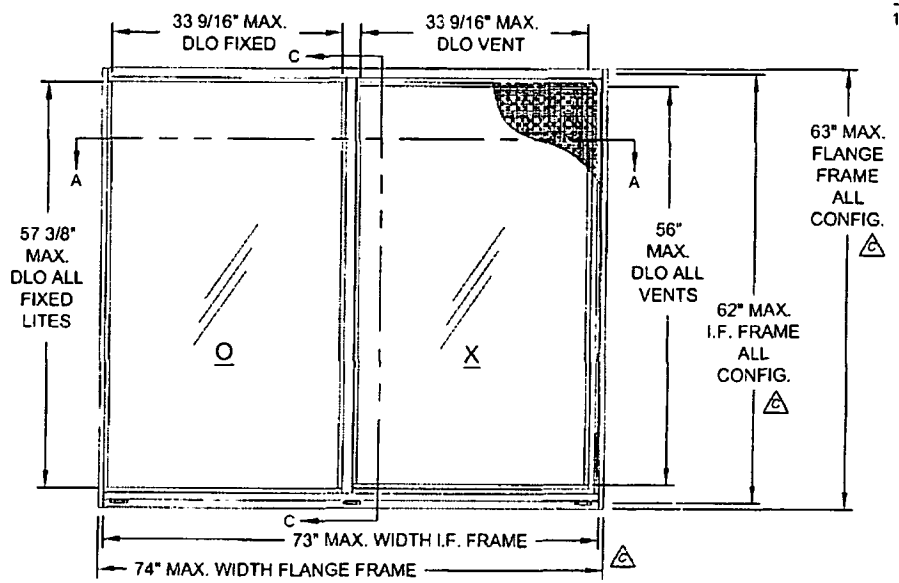
DETAIL B - XOX (1/4-1/2-1/4)



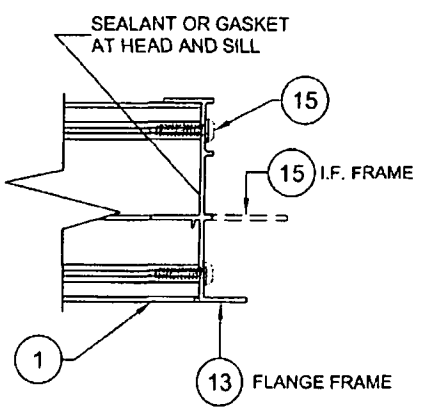
DETAIL C - XOX (1/3-1/3-1/3)

NOTE:

1. SEE SHEET 5 FOR VERTICAL AND HORIZONTAL SECTION DETAILS.



DETAIL A - OX OR XO



VIEW D-D C
(FRAME CORNER CONSTRUCTION)

REVISED
with the Florida
Approval No 07-0815.09
Expiration Date 12/21/2011
By Miami-Dade Product Control Division

Revised By:	Date:	Revisions:	
F.K.	4/15/07	C	ADD INTEGRAL FIN FRAME MAX. DIMENSIONS AND CORNER CONSTRUCTION DETAIL FROM SHT. 6.
F.K.	10/17/06	B	NO CHANGE THIS SHEET
F.K.	5/13/06	A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/06

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

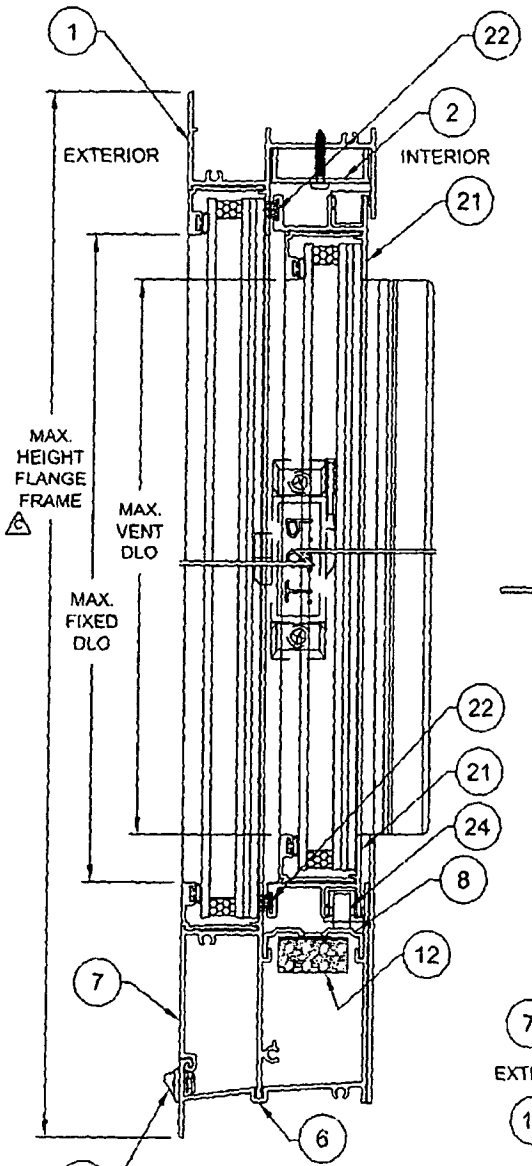
Description: ELEVATIONS

Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT

Series/Model	Scale	Sheet	Drawing No	Rev
HR710	NTS	4 of 11	4127-10	C

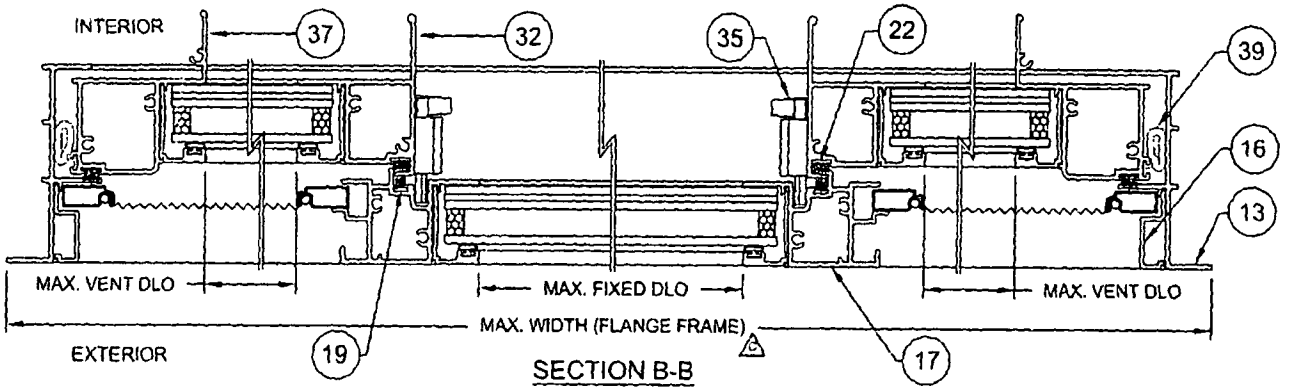
8/10/07

Robert L. Clark, P.E.
PE #39712
Structural



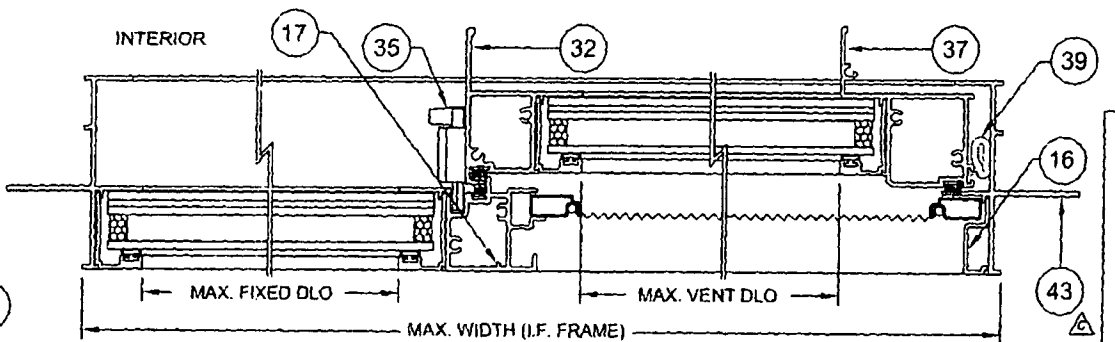
SECTION C-C

(VERTICAL SECTION, FLANGE FRAME)



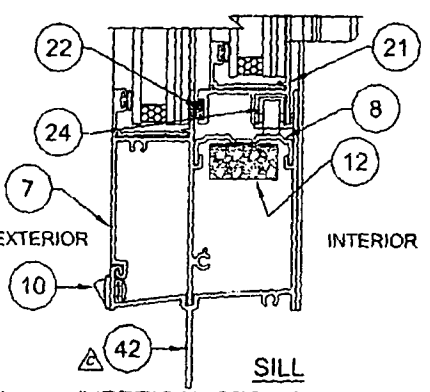
SECTION B-B

(HORIZONTAL SECTION - XOX SHOWN WITH FLANGE FRAME)



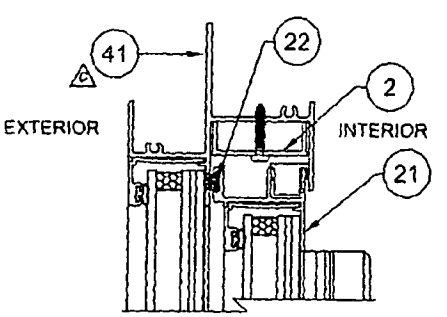
SECTION A-A

(HORIZONTAL SECTION - OX SHOWN WITH INTEGRAL FIN FRAME)



SILL

(VERTICAL SECTION, I.F. FRAME)



HEAD

(VERTICAL SECTION, I.F. FRAME)

PRODUCT REVISED
as complying with the Florida
Building Code
Application No 07-0815.09
Expiration Date 12/31/2011
By Miami-Dade Product Control
Division

Revised By:	Date:	Revisions:	
F.K.	4/15/07	C	ADD INTEGRAL FIN FRAME, ITEMS 41, 42 AND 43 AND VIEWS.
F.K.	10/17/06	B	NO CHANGE THIS SHEET
F.K.	5/13/06	A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/06

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

Description: SECTIONS

Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT

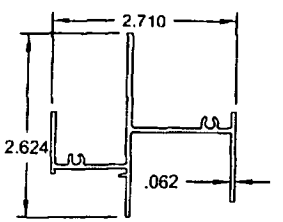
Series/Model:	Scale:	Sheet:	Drawing No:	Rev:
HR710	Half	5 of 11	4127-10	C

8/10/07

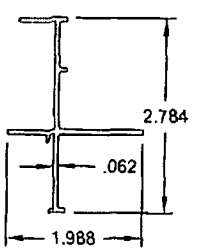
Robert L. Clark, P.E.
PE #39712
Structural

ITEM	DWG#	REV	DESCRIPTION	MAT'L	PGT#
1	4102	A	FLANGE FRAME HEAD	6063-T6 AL	612237
2	4025		SASH STOP (STD.) (ANTI LIFT CLIP)	6063-T5 AL	612244
3			#8 X 3/4 PH. PAN HEAD		7834AA
4	4053		SASH STOP COVER (SASH STOP)	6063-T5 AL	
6	4136		FLANGE FRAME SILL	6063-T6 AL	64136
7	4137		SILL ADAPTOR	6063-T6 AL	64137
8	4131		ROLLER TRACK	6063-T6 AL	64131
10	71298		WEEP HOLE COVER	POLYPROP.	71298
12	1626		ADHESIVE OPEN CELL FOAM PAD		7PAD1626
13	4002	A	FLANGE FRAME JAMB	6063-T6 AL	612225
14	4134		GASKET FOR MAIN FRAME SILL JOINT		74134W/K
15	1155		#8 X 1.000 QUAD PN. SMS		781PQA
16	4110	G	SCREEN ADAPTOR	6063-T5 AL	64110G
17	4054	B	FIXED MEETING RAIL	6063HD-T6 AL	64054A
19	4066		WSTP.,.187 X .230, FIN SEAL		64066G
21	4105		SASH TOP & BOTTOM RAIL	6063-T5 AL	612240
22	1683		WSTP.,.250 X .270 BACK, FIN SEAL		61683G
23	225-1		ROLLER HOUSING & GUIDE		42112HD
24	226		BRASS ROLLER WHEELS	BRASS	7BRWHL2
29	4128		HORIZONTAL ROLLER SASH TOP GUIDE	POLYPROP.	44128N
32	4006	D	SASH MEETING RAIL	6063HS-T6 AL	64006
33	1235		WSTP.,.170 X .270 BACK, FIN SEAL		67S16G
35	1096		SWEEP LATCH	DIE-CAST	71096
36	1016		#8 X .625 PH. FL. SMS		7858
37	4126		SASH SIDE RAIL	6063-T5 AL	64126
38	1683		WSTP.,.250 X .270 BACK, FIN SEAL		61683G
39	7070		BULB WEATHERSTRIP .187 X .275		67070K
40			LIFT RAIL COVER CAP		74078"C" L OR R
41	4139		I.F. FRAME HEAD	6063-T6 AL	64139 C
42	4140		I.F. FRAME SILL	6063-T6 AL	64140 C
43	4141		I.F. FRAME JAMB	6063-T6 AL	64141 C
50			GLAZING SILICONE, DOW 899, 995 OR EQUIVALENT		
51	1224		VINYL GLAZING BEAD BULB (THICK)		6TP247W.K
52	1225		VINYL GLAZING BEAD BULB (THIN)		6TP248K
53	4039	B	GLAZING BEAD - 5/16"	6063-T5 AL	64039B
54	4044	B	GLAZING BEAD - 5/16" W/GRILL KIT	6063-T5 AL	644703
55	4222	A	GLAZING BEAD - 7/16"	6063-T5 AL	64222
56	985	C	GLAZING BEAD - 7/16" W/GRILL KIT	6063-T5 AL	6985
59	4067		GLAZING BEAD - 13/16"	6063-T5 AL	64067
60	GLASS,	5/16" LAMI (1/8" A, .090 PVB, 1/8" A)			
61	"	5/16" LAMI (1/8" A, .090 PVB, 1/8" HS)			
62	"	5/16" LAMI (1/8" HS, .090 PVB, 1/8" HS)			
63	"	7/16" LAMI (3/16" A, .090 PVB, 3/16" A)			
64	"	7/16" LAMI (3/16" A, .090 PVB, 3/16" HS)			
65	"	7/16" LAMI (3/16" HS, .090 PVB, 3/16" HS)			

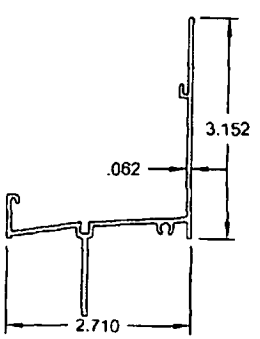
ITEM	DWG#	REV	DESCRIPTION	MAT'L	PGT#
66	GLASS,	13/16" LAMI IG-1/8"A, 3/8"AIR SPACE, 5/16" LAMI (1/8"A, .090 PVB, 1/8"A)			
67	"	13/16" LAMI IG-1/8"A, 3/8" AIR SPACE, 5/16" LAMI (1/8"A, .090 PVB, 1/8"HS)			
68	"	13/16" LAMI IG-1/8"A, 3/8" AIR SPACE, 5/16" LAMI (1/8"HS, .090 PVB, 1/8"HS)			
69	"	13/16" LAMI IG-3/16"A, 5/16" AIR SPACE, 5/16" LAMI (1/8"A, .090 PVB, 1/8"A)			
70	"	13/16" LAMI IG-3/16"A, 5/16" AIR SPACE, 5/16" LAMI (1/8"A, .090 PVB, 1/8"HS)			
71	"	13/16" LAMI IG-3/16"A, 5/16" AIR SPACE, 5/16" LAMI (1/8"HS, .090 PVB, 1/8"HS)			
72	"	13/16" LAMI IG-1/8"A, 1/4" AIR SPACE, 7/16" LAMI (3/16"A, .090 PVB, 3/16"A)			
73	"	13/16" LAMI IG-1/8"A, 1/4" AIR SPACE, 7/16" LAMI (3/16"A, .090 PVB, 3/16"HS)			
74	"	13/16" LAMI IG-1/8"A, 1/4" AIR SPACE, 7/16" LAMI (3/16"HS, .090 PVB, 3/16"HS)			
75	"	13/16" LAMI IG-3/16"A, 3/16" AIR SPACE, 7/16" LAMI (3/16"A, .090 PVB, 3/16"A)			
76	"	13/16" LAMI IG-3/16"A, 3/16" AIR SPACE, 7/16" LAMI (3/16"A, .090 PVB, 3/16"HS)			
77	"	13/16" LAMI IG-3/16"A, 3/16" AIR SPACE, 7/16" LAMI (3/16"HS, .090 PVB, 3/16"HS)			
90	1014		SCREEN FRAME (HOR. & VER.)	3105-H14 AL.	
91	1630		SCREEN CORNER KEY W/RINGS	POLYPROP.	
92	1631		SCREEN CORNER KEY W/OUT RINGS	POLYPROP.	
93	1073		SCREEN SPRING	ST.ST.	
94	1624		SCREEN SPLINE - .135 DIA. FOAM	EM PVC	
95	1635		SCREEN SPLINE - .135 DIA. HARD	EM PVC	
96			SCREEN	CLOTH	



41 I.F. FRAME HEAD C
#4139, 6063-T6



43 I.F. FRAME JAMB C
#4141, 6063-T6



42 I.F. FRAME SILL C
#4140, 6063-T6

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 07-0815.09
Expiration Date 12/21/2011
By Miami-Dade Product Control Division

Revised By:	Date:	Revisions:	
F.K.	4/15/07	C	ADD ITEMS 41, 42 & 43
F.K.	10/17/06	B	NO CHANGE THIS SHEET
F.K.	5/13/06	A	ADD SPACE DIMENSIONS ITEMS 66 THRU 77.
Drawn By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/06

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

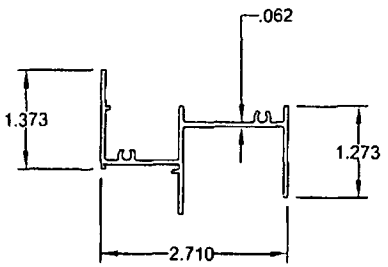
PGT Visibly Better

Description: PARTS LIST

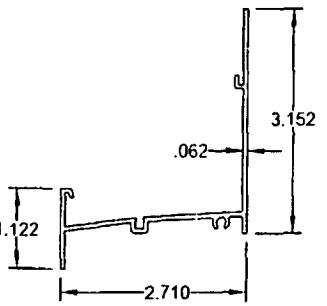
Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT

Series/Model	Scale	Sheet	Drawing No.	Rev.
HR710	NTS	6 of 11	4127-10	C

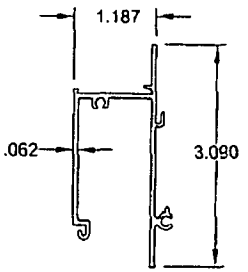
8/10/07
Robert L. Clark, P.E.
PE #39712
Structural



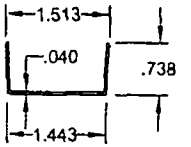
1 FLANGE FRAME HEAD
#4102A, 6063-T6



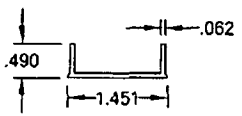
6 FLANGE FRAME SILL
#4136, 6063-T6



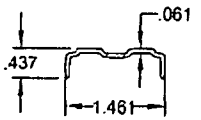
7 FRAME SILL ADAPTER
#4137, 6063-T6



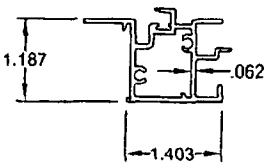
4 SASH STOP COVER
#4053, 6063-T5



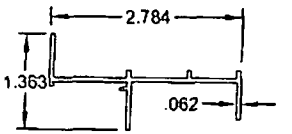
2 SASH STOP
#4025, 6063-T5



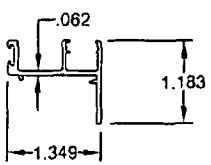
8 HORIZ. ROLLER TRACK
#4131, 6063-T6



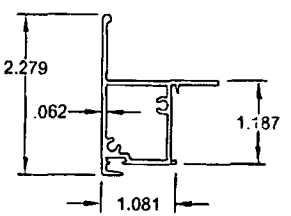
17 FIXED MEETING RAIL
#4054B, 6063HD-T6



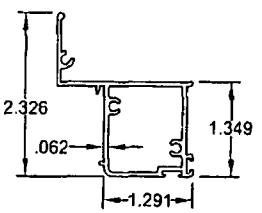
13 FLANGE FRAME JAMB
#4002A, 6063-T6



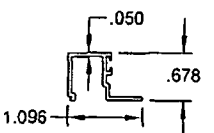
21 SASH TOP & BOTTOM RAIL
#4133, 6063-T5



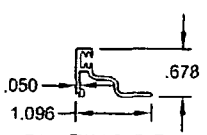
32 SASH MTG. RAIL
#4006D, 6063HS-T6



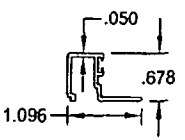
37 SASH SIDE RAIL
#4126, 6063-T5



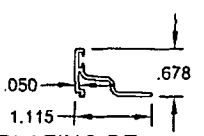
53 GLAZING BEAD, 5/16"
#4039B, 6063-T5



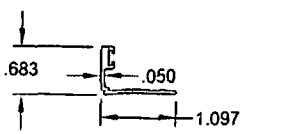
54 GLAZING BEAD, 5/16"
#4044B, 6063-T5
(USED W/ GRILL KIT)



55 GLAZING BEAD 7/16"
#4222A, 6063-T5



56 GLAZING BEAD, 7/16"
#985C, 6063-T5
(USED W/ GRILL KIT)



59 GLAZING BEAD, 13/16"
#4067, 6063-T5

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 07-0815.09
Expiration Date 12/2/2011
By
Miami-Dade Product Control
Division

Revised By:	Date:	Revisions:	
F.K.	4/15/07	C	NO CHANGE THIS SHEET
F.K.	10/17/06	B	NO CHANGE THIS SHEET
F.K.	5/13/06	A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/06

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

Description: EXTRUSIONS
Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev.
HR710	Half	7 of 11	4127-10	C

8/10/07

Robert L. Clark, P.E.
PE #39712
Structural

ANCHOR QUANTITIES, XOX (1/4-1/2-1/4) WINDOWS — TABLE 4

ANCHOR TYPE & SUBSTRATE	GLASS TYPES A,B,C,G,H,I						GLASS TYPES D,E,F,J,K,L					
	2,3, WOOD ZONES		2, CONC ZONES		1, CONC ZONES		2,3. WOOD ZONES		2. CONC ZONES		1, CONC ZONES	
WINDOW SIZE W x H	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS
53.125 x 38.375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
50.625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
54.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
60.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
63.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
60.000 x 38.375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+2+C2+1	2
48.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+2+C2+1	3
50.625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+2+C2+1	3
54.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+2+C2+1	3
60.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+2+C3+1	3
63.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+2+C3+1	3
74.000 x 38.375	1+C2+2+C2+1	2	1+C2+1+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2
48.000	1+C2+2+C2+1	3	1+C2+1+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3
50.625	1+C2+2+C2+1	3	1+C2+1+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3
54.000	1+C2+2+C2+1	3	1+C2+1+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C3+2+C3+1	3
60.000	1+C2+2+C2+1	3	1+C2+1+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C3+2+C3+1	3
63.000	1+C2+2+C2+1	3	1+C2+1+C2+1	3	1+C3+2+C3+1	3	1+C3+2+C3+1	3	1+C2+2+C2+1	3	1+C3+2+C3+1	3
84.000 x 38.375	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+3+C2+1	2
48.000	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C3+3+C3+1	3
50.625	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C3+3+C3+1	3
54.000	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C4+3+C4+1	3
60.000	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C3+2+C3+1	3	1+C3+2+C3+1	3	1+C2+2+C2+1	3	1+C4+3+C4+1	3
63.000	1+C2+2+C2+1	3	1+C2+2+C2+1	3	1+C3+2+C3+1	3	1+C3+2+C3+1	3	1+C2+2+C2+1	3	1+C4+3+C4+1	3
106.375 x 38.375	1+C2+2+C2+1	2	1+C2+2+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	2	1+C2+4+C2+1	2
48.000	1+C2+3+C2+1	3	1+C2+2+C2+1	3	1+C3+3+C3+1	3	1+C3+3+C3+1	3	1+C2+3+C2+1	3	1+C3+4+C3+1	3
50.625	1+C2+3+C2+1	3	1+C2+2+C2+1	3	1+C3+3+C3+1	3	1+C3+3+C3+1	3	1+C3+3+C3+1	3	1+C3+4+C3+1	3
54.000	1+C3+3+C3+1	3	1+C2+2+C2+1	3	1+C3+3+C3+1	3	1+C3+3+C3+1	3	1+C3+3+C3+1	3	1+C4+4+C4+1	3
60.000	1+C3+3+C3+1	3	1+C2+2+C2+1	3	1+C4+3+C4+1	3	1+C4+3+C4+1	4	1+C3+3+C3+1	3	1+C4+4+C4+1	3
63.000	1+C3+3+C3+1	3	1+C2+2+C2+1	3	1+C4+3+C4+1	3	1+C4+3+C4+1	4	1+C4+3+C4+1	3	1+C5+4+C5+1	3
111.000 x 38.375	1+C2+3+C2+1	2	1+C2+2+C2+1	2	1+C2+3+C2+1	2	1+C2+3+C2+1	3	1+C2+3+C2+1	2	1+C2+4+C2+1	2
48.000	1+C2+3+C2+1	3	1+C2+2+C2+1	3	1+C3+3+C3+1	3	1+C3+3+C3+1	3	1+C2+3+C2+1	3	1+C3+4+C3+1	3
50.625	1+C2+3+C2+1	3	1+C2+2+C2+1	3	1+C3+3+C3+1	3	1+C3+3+C3+1	3	1+C3+3+C3+1	3	1+C3+4+C3+1	3
54.000	1+C3+3+C3+1	3	1+C2+2+C2+1	3	1+C3+3+C3+1	3	1+C3+3+C3+1	3	1+C3+3+C3+1	3	1+C4+4+C4+1	3
60.000	1+C3+3+C3+1	3	1+C2+2+C2+1	3	1+C4+3+C4+1	3	1+C4+3+C4+1	4	1+C3+3+C3+1	3	1+C4+4+C4+1	3
63.000	1+C3+3+C3+1	3	1+C2+2+C2+1	3	1+C4+3+C4+1	3	1+C4+3+C4+1	4	1+C4+3+C4+1	3	1+C5+4+C5+1	4

NOTES:

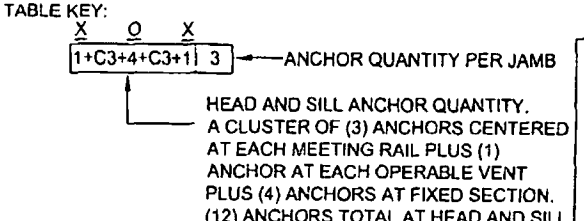
1. ANCHOR TYPES:
   1 - 1/4" ELCO TAPCONS 2 - 1/4" ELCO SS4 CRETE-FLEX 3 - #12 STEEL SCREWS (G5)

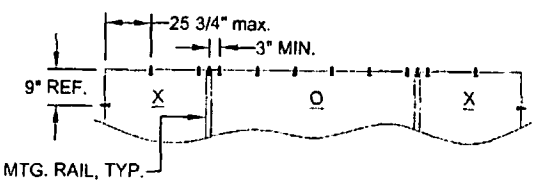
2. GLASS TYPES:
   A. 5/16" LAMI - (1/8" A,.090, 1/8" A)
   B. 5/16" LAMI - (1/8" A,.090, 1/8" HS)
   C. 5/16" LAMI - (1/8" HS,.090, 1/8" HS)
   D. 7/16" LAMI - (3/16" A,.090, 3/16" A)
   E. 7/16" LAMI - (3/16" A,.090, 3/16" HS)
   F. 7/16" LAMI - (3/16" HS,.090, 3/16" HS)
   G. 13/16" LAMI IG - 1/8" OR 3/16" A, 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" A,.090, 1/8" A)
   H. 13/16" LAMI IG - 1/8" OR 3/16" A, 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" A,.090, 1/8" HS)
   I. 13/16" LAMI IG - 1/8" OR 3/16" A, 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" HS,.090, 1/8" HS)
   J. 13/16" LAMI IG - 1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A,.090, 3/16" A)
   K. 13/16" LAMI IG - 1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A,.090, 3/16" HS)
   L. 13/16" LAMI IG - 1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" HS,.090, 3/16" HS)

3. WINDOW ANCHOR QUANTITIES ARE PER ADJACENT TABLE AND BASED ON THE FOLLOWING DIMENSIONS. FOR WINDOW SIZES NOT SHOWN, GO TO NEXT LARGER WINDOW IN TABLE.

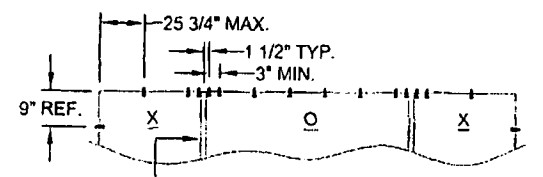
   HEAD & SILL: 10 1/2" MAX. ON EACH SIDE OF MEETING RAIL CENTERLINE.
   25 3/4" MAX. FROM CORNERS.
   JAMBS: 9" MAX. FROM CORNERS AND 22 1/2" MAX. O.C.

TABLE KEY:





EXAMPLE CLUSTER W/ QTY. OF (3) ANCHORS
(SHOWN IN TABLE KEY ABOVE)



EXAMPLE CLUSTER W/ QTY. OF (4) ANCHORS

PRODUCT REVISED
to comply with the Florida Building Code
Application No 07-0815.09
Expiration Date 12/21/2011
By Miami-Dade Product Control Division

8/10/07
Robert L. Clark, P.E.
PE #39712
Structural

Revised By:	Date:	Revisions:	
F.K.	4/15/07	C	UPDATE TABLE 4, SELECT VALUES DUE TO ANCHOR CAP. ADJ.
F.K.	10/17/06	B	REVISE ANCHORAGE FORMAT, HEAD & SILL CLUSTERS
F.K.	5/13/06	A	ADD SPACE DIMENSIONS GLASS TYPES G THRU L.
Drawn By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/06

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

Description: ANCHORAGE SPACING, XOX (1/4-1/2-1/4)
Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT

Series/Model	Scale	Sheet	Drawing No	Rev
HR710	NTS	8 x 11	4127-10	C

ANCHOR QUANTITIES, XOX (1/3-1/3-1/3) WINDOWS — TABLE 5

ANCHOR TYPE > & SUBSTRATE	GLASS TYPES A,B,G,H						GLASS TYPES C,D,E,F,I,J,K, L					
	2,3, WOOD ZONES		2, CONC ZONES		1, CONC ZONES		2,3, WOOD ZONES		2, CONC ZONES		1, CONC ZONES	
WINDOW SIZE W x H	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS
48.000 x 38.375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
50.625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
54.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
60.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
63.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
53.125 x 38.375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
50.625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
54.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
60.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
63.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
60.000 x 38.375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
50.625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
54.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
60.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
63.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
66.000 x 38.375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3
50.625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
54.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
60.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
63.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
74.000 x 38.375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
50.625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
54.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
60.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3	1+C3+1+C3+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
63.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3	1+C3+1+C3+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
84.000 x 38.375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
50.625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
54.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3	1+C3+1+C3+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
60.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3	1+C3+1+C3+1	4	1+C3+1+C3+1	3	1+C3+1+C3+1	3
63.000	1+C3+1+C3+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3	1+C3+1+C3+1	4	1+C3+1+C3+1	3	1+C4+1+C4+1	4
86.437 x 38.375	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	2	1+C2+1+C2+1	3	1+C2+1+C2+1	2	1+C2+1+C2+1	2
48.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
50.625	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
54.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3	1+C3+1+C3+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3
60.000	1+C2+1+C2+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3	1+C3+1+C3+1	4	1+C3+1+C3+1	3	1+C4+1+C4+1	4
63.000	1+C3+1+C3+1	3	1+C2+1+C2+1	3	1+C3+1+C3+1	3	1+C3+1+C3+1	4	1+C3+1+C3+1	3	1+C4+1+C4+1	4

NOTES:

1. ANCHOR TYPES:
   1 - 1/4" ELCO TAPCONS 2 - 1/4" ELCO SS4 CRETE-FLEX 3 - #12 STEEL SCREWS (G5)

2. GLASS TYPES:
   A. 5/16" LAMI - (1/8" A,.090, 1/8" A)
   B. 5/16" LAMI - (1/8" A,.090, 1/8" HS)
   C. 5/16" LAMI - (1/8" HS,.090, 1/8" HS)
   D. 7/16" LAMI - (3/16" A,.090, 3/16" A)
   E. 7/16" LAMI - (3/16" A,.090, 3/16" HS)
   F. 7/16" LAMI - (3/16" HS,.090, 3/16" HS)
   G. 13/16" LAMI IG - 1/8" OR 3/16" A, 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" A,.090, 1/8" A)
   H. 13/16" LAMI IG - 1/8" OR 3/16" A, 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" A,.090, 1/8" HS)
   I. 13/16" LAMI IG - 1/8" OR 3/16" A, 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" HS,.090, 1/8" HS)
   J. 13/16" LAMI IG - 1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A,.090, 3/16" A)
   K. 13/16" LAMI IG - 1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A,.090, 3/16" HS)
   L. 13/16" LAMI IG - 1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" HS,.090, 3/16" HS)

3. WINDOW ANCHOR QUANTITIES ARE PER ADJACENT TABLE AND BASED ON THE FOLLOWING DIMENSIONS. FOR WINDOW SIZES NOT SHOWN, GO TO NEXT LARGER WINDOW IN TABLE.

   HEAD & SILL: 10 1/2" MAX. ON EACH SIDE OF MEETING RAIL CENTERLINE
   25 3/4" MAX. FROM CORNERS
   JAMBS: 9" MAX. FROM CORNERS AND 22 1/2" MAX. O.C.

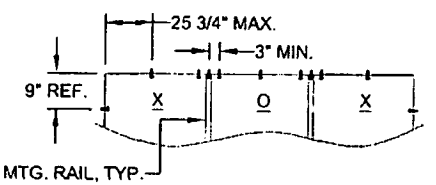
TABLE KEY:

X O X

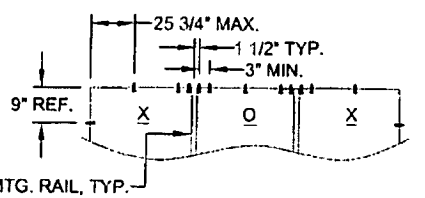
1+C3+1+C3+1 | 3 ← ANCHOR QUANTITY PER JAMB

HEAD AND SILL ANCHOR QUANTITIES
A CLUSTER OF (3) ANCHORS CENTERED ON EACH MEETING RAIL PLUS (1) ANCHOR AT EACH OPERABLE VENT PLUS (1) ANCHORS AT FIXED SECTION. (9) ANCHORS TOTAL AT HEAD AND SILL.

(3" MIN. O.C. ANCHOR SPACING)



EXAMPLE CLUSTER W/ QTY. OF (3) ANCHORS
(SHOWN IN TABLE KEY ABOVE)



EXAMPLE CLUSTER W/ QTY. OF (4) ANCHORS

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 07-0815.09
Expiration Date 12/2/2011
By Manuel Perez
Miami Dade Product Control Division

9/10/07
Robert L. Clark, P.E.
PE #39712
Structural

Revised By:	Date:	Revisions	
F.K.	4/15/07	C	UPDATE TABLE 5, SELECT VALUES DUE TO ANCHOR CAP. ADJ.
Revised By: F.K.	Date: 10/17/06	Revisions: B	REVISE ANCHORAGE FORMAT, HEAD & SILL CLUSTERS
Revised By: F.K.	Date: 5/13/06	Revisions: A	ADD SPACE DIMENSIONS GLASS TYPES G THRU L.
Drawn By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/06

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

Description: ANCHORAGE SPACING, XOX (1/3-1/3-1/3)

Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No:	Rev:
HR710	NTS	9 of 11	4127-10	C

ANCHOR QUANTITIES, XO & OX WINDOWS — TABLE 6

ANCHOR TYPE > & SUBSTRATE	GLASS TYPES A,B,G,H						GLASS TYPES C,D,E,F,I,J,K, L					
	2,3, WOOD		2, CONC		1, CONC		2,3, WOOD		2, CONC		1, CONC	
	ZONES		ZONES		ZONES		ZONES		ZONES		ZONES	
WINDOW SIZE W x H	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS	HEAD & SILL	JAMBS
37.000 x 38.375	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2
48.000	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3
50.625	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3
54.000	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3
60.000	1+C2+1	3	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C2+1	3	1+C3+1	3
63.000	1+C2+1	3	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C2+1	3	1+C3+1	3
48.000 x 38.375	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2
48.000	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3	1+C2+1	3
50.625	1+C2+1	3	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C2+1	3	1+C3+1	3
54.000	1+C2+1	3	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C2+1	3	1+C3+1	3
60.000	1+C3+1	3	1+C2+1	3	1+C3+1	3	1+C3+1	3	1+C2+1	3	1+C3+1	3
63.000	1+C3+1	3	1+C2+1	3	1+C3+1	3	1+C3+1	3	1+C2+1	3	1+C3+1	3
53.125 x 38.375	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2	1+C2+1	2
48.000	1+C2+1	3	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C2+1	3	1+C3+1	3
50.625	1+C2+1	3	1+C2+1	3	1+C3+1	3	1+C2+1	3	1+C2+1	3	1+C3+1	3
54.000	1+C3+1	3	1+C2+1	3	1+C3+1	3	1+C3+1	3	1+C2+1	3	1+C3+1	3
60.000	1+C3+1	4	1+C2+1	3	1+C3+1	3	1+C3+1	4	1+C2+1	3	1+C3+1	3
63.000	1+C3+1	4	1+C3+1	3	1+C4+1	3	1+C3+1	4	1+C3+1	3	1+C4+1	3
60.000 x 38.375	1+C2+1	3	1+C2+1	2	2+C2+2	2	1+C2+1	3	1+C2+1	2	2+C2+2	2
48.000	1+C2+1	3	1+C2+1	3	2+C3+2	3	1+C2+1	3	1+C2+1	3	2+C3+2	3
50.625	1+C3+1	3	1+C2+1	3	2+C3+2	3	1+C3+1	3	1+C2+1	3	2+C3+2	3
54.000	1+C3+1	4	1+C2+1	3	2+C3+2	3	1+C3+1	4	1+C2+1	3	2+C3+2	3
60.000	1+C3+1	4	1+C3+1	3	2+C4+2	4	1+C3+1	4	1+C3+1	3	2+C4+2	4
63.000	1+C3+1	4	1+C3+1	3	2+C4+2	4	1+C3+1	4	1+C3+1	3	2+C4+2	4
66.000 x 38.375	2+C2+2	3	1+C2+1	2	2+C2+2	3	2+C2+2	3	1+C2+1	2	2+C2+2	3
48.000	2+C2+2	4	1+C2+1	3	2+C3+2	3	2+C2+2	4	1+C2+1	3	2+C3+2	3
50.625	2+C3+2	4	1+C2+1	3	2+C3+2	3	2+C3+2	4	1+C2+1	3	2+C3+2	3
54.000	2+C3+2	4	1+C2+1	3	2+C3+2	4	2+C3+2	4	1+C2+1	3	2+C3+2	4
60.000	2+C3+2	4	1+C3+1	3	2+C4+2	4	2+C3+2	4	1+C3+1	3	2+C4+2	4
63.000	1+C3+1	4	1+C3+1	3	2+C4+2	4	2+C3+2	4	1+C3+1	3	2+C4+2	4
74.000 x 38.375	2+C2+2	3	2+C2+2	2	2+C2+2	3	2+C2+2	3	2+C2+2	2	2+C2+2	3
48.000	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C3+2	4	2+C2+2	3	2+C3+2	4
50.625	2+C3+2	4	2+C2+2	3	2+C3+2	4	2+C3+2	4	2+C2+2	3	2+C3+2	4
54.000	2+C3+2	4	2+C3+2	3	2+C4+2	4	2+C3+2	4	2+C3+2	3	2+C4+2	4
60.000	2+C3+2	4	1+C3+1	3	2+C4+2	4	2+C3+2	5	2+C3+2	3	2+C4+2	4
63.000	2+C3+2	4	1+C3+1	3	2+C4+2	4	2+C4+2	5	2+C3+2	4	2+C4+2	5

NOTES:

1. ANCHOR TYPES:
   1 - 1/4" ELCO TAPCONS 2 - 1/4" ELCO SS4 CRETE-FLEX 3 - #12 STEEL SCREWS (G5)

2. GLASS TYPES:
   A. 5/16" LAMI - (1/8" A,.090, 1/8" A)
   B. 5/16" LAMI - (1/8" A,.090, 1/8" HS)
   C. 5/16" LAMI - (1/8" HS,.090, 1/8" HS)
   D. 7/16" LAMI - (3/16" A,.090, 3/16" A)
   E. 7/16" LAMI - (3/16" A,.090, 3/16" HS)
   F. 7/16" LAMI - (3/16" HS,.090, 3/16" HS)
   G. 13/16" LAMI IG - 1/8" OR 3/16" A, 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" A,.090, 1/8" A)
   H. 13/16" LAMI IG - 1/8" OR 3/16" A, 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" A,.090, 1/8" HS)
   I. 13/16" LAMI IG - 1/8" OR 3/16" A, 5/16" OR 3/8" SPACE, 5/16" LAMI - (1/8" HS,.090, 1/8" HS)
   J. 13/16" LAMI IG - 1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A,.090, 3/16" A)
   K. 13/16" LAMI IG - 1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" A,.090, 3/16" HS)
   L. 13/16" LAMI IG - 1/8" OR 3/16" A, 3/16" OR 1/4" SPACE, 7/16" LAMI - (3/16" HS,.090, 3/16" HS)

3. WINDOW ANCHOR QUANTITIES ARE PER ADJACENT TABLE AND BASED ON THE FOLLOWING DIMENSIONS. FOR WINDOW SIZES NOT SHOWN, GO TO NEXT LARGER WINDOW IN TABLE.

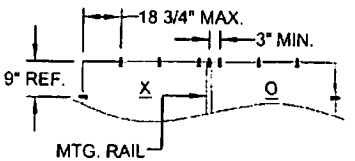
   HEAD & SILL: 10 1/2" MAX. ON EACH SIDE OF MEETING RAIL CENTERLINE.
   18 3/4" MAX. FROM CORNERS.
   JAMBS: 9" MAX. FROM CORNERS AND 22 1/2" MAX. O.C.

TABLE KEY:

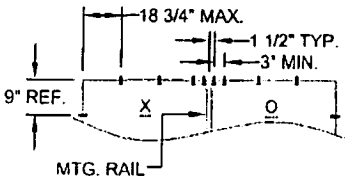
O X
2+C3+2 | 3 — ANCHOR QUANTITY PER JAMB

HEAD AND SILL ANCHOR QUANTITIES
A CLUSTER OF (3) ANCHORS CENTERED ON THE MEETING RAIL PLUS (2) ANCHORS AT OPERABLE VENT AND FIXED SECTION. (7) ANCHORS TOTAL AT HEAD AND SILL.

(3" MIN. O.C. ANCHOR SPACING)



EXAMPLE CLUSTER W/ QTY. OF (3) ANCHORS
(SHOWN IN TABLE KEY ABOVE)



EXAMPLE CLUSTER W/ QTY. OF (4) ANCHORS

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 07-0815.09
Expiration Date 12/21/2011
By Miami-Dade Product Control Division

Revised By:	Date:	Revisions:	
F.K.	4/15/07	C	CHG.TABLE # TO 6, & SELECT VALUES DUE TO ANCHOR CAP. ADJ
F.K.	10/17/06	B	REVISE ANCHORAGE FORMAT, HEAD & SILL CLUSTERS
F.K.	5/13/06	A	ADD SPACE DIMENSIONS TO GLASS TYPES G THRU L.
Drawn By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/06

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

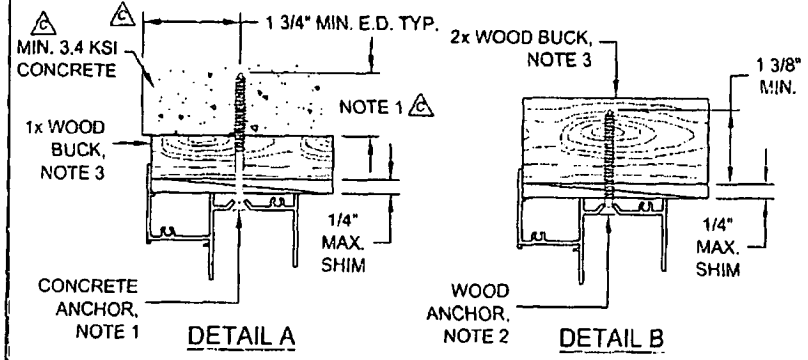
PGT — Visibly Better

Description: ANCHORAGE SPACING, OX AND XO WINDOWS
Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT

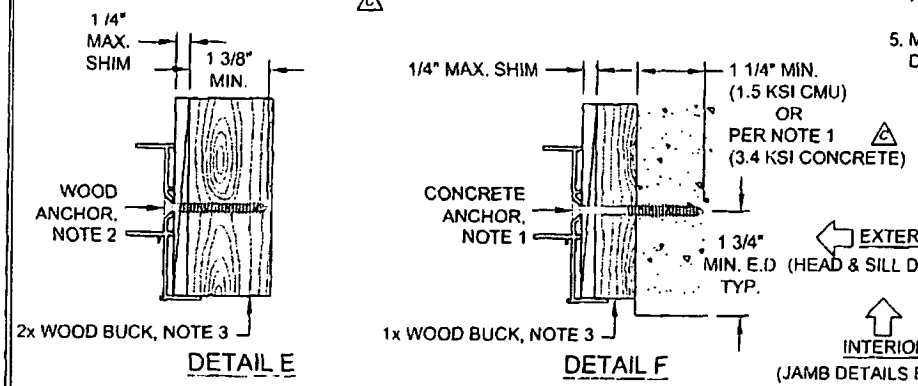
Series/Model	Scale	Sheet	Drawing No	Rev
HR710	NTS	10 of 11	4127-10	C

8/10/07

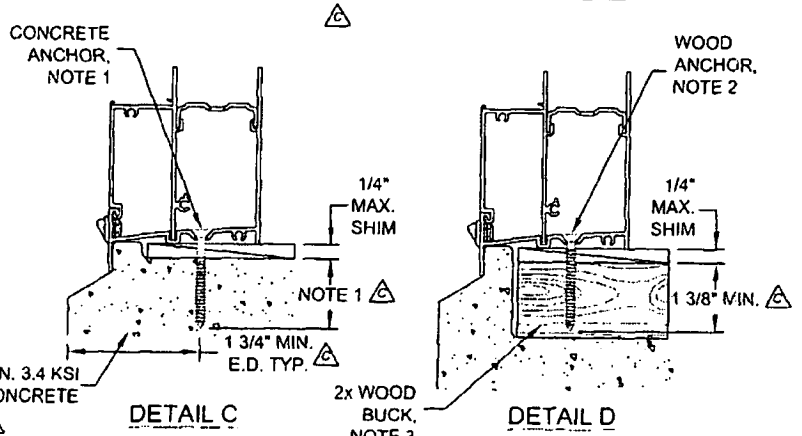
Robert L. Clark, P.E.
PE #39712
Structural



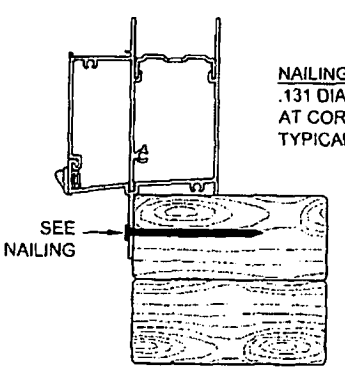
TYPICAL FLANGE FRAME HEAD SECTIONS

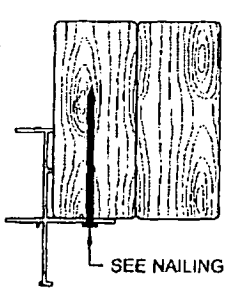


TYPICAL FLANGE FRAME JAMB SECTIONS

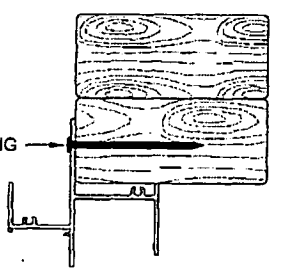


TYPICAL FLANGE FRAME SILL SECTIONS





NAILING
.131 DIA. MIN. x 2 1/2" NAIL AT CORNERS AND 5" O.C.
TYPICAL DETAILS G, H & I.



TYPICAL INTEGRAL FIN FRAME SECTIONS

NOTES:

1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 1/4" ELCO TAPCONS EMBEDED 1 3/8" MIN, OR 1/4" SS4 CRETE-FLEX EMBEDED 1 3/4" MIN.. MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1 3/4". FLATHEAD ANCHORS MUST BE #12 TRIMFIT HEAD.
2. FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #12 STEEL SCREWS (G5) OR 1/4" SS4 CRETE-FLEX WITH #12 TRIMFIT HEAD.
3. WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 1x WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
4. FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/8" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME SIMILAR TO THAT SHOWN IN THESE DETAILS FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES AND ANCHORAGE SPACING FOR ANCHOR TYPE 2 MAY BE USED.
5. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE, CURRENT EDITION.

Product Approved
State of Florida
Approval No 07-0815.09
Expiration Date 12/21/2011
By Miami-Dade Product Control Division

Revised By:	Date:	Revisions:	
F.K.	4/15/07	C	REVISE NOTES 1 & 2 REGARDING TRIMFIT HD. & EMBEDMENT. ADD I.F. FRAME. CHG. NOTE 5 TO FBC, "CURRENT EDITION"
Revised By:	Date:	Revisions:	
F.K.	10/17/06	B	REVISE EDGE DIST., EMBEDMENT & SHT. REFERENCES
Revised By:	Date:	Revisions:	
F.K.	5/13/06	A	ADD NOTE 5.
Drawn By:	Date:	Checked By:	Date:
F.K.	2/28/06	J.J.	3/23/06

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

PGT Visibly Better

Description:				
ANCHORAGE DETAILS				
Title:				
ALUM. HORIZONTAL ROLLER WINDOW, IMPACT				
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
HR710	Half	11 of 11	4127-10	C

8/10/07
Robert L. Clark, P.E.
PE #39712
Structural

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection ☐ Mon ☐ Tue ☒ Wed ☐ Thur ☐ Fri 6-15-11 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9713	Bailey	Final		
9AM	3 Palama Way	Remodel bedroom	PASS	Close
	Glenmark			INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
[redacted]				
	22 Lantana			
	Lewis			INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9753	Bellingham	Pre Pour		
	2 Via De Cristo	Stairs	PASS	PASS
	Masterpiece	(REAR)		INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9813	Burkey	Final		
1PM	15 Banyan Rd.	Garage Door	PASS	Close
	Accent Garage			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~~ (X) Tue ☐ Wed ☐ Thur ☐ Fri 6-21-11 Page 1 of ___

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9786	Stevenson	Final		
	1 Seagrove Isl.	Garage	PASS	CLOSE
	Overhead Door	Door		
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9810	Sharbi	Final		
	731 N Sewalls	Fence	PASS	CLOSE
	TC Fence			
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
[redacted]	[redacted]	[redacted]		
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
SEE PM	Lowes			
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
		PREMIER	692-9672	
	RIVERVIEW	PLUMBING		
	& RIVER RD	A/C CONDENSER CHANGE		OUT NO PERMIT
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
	101 N SEA RD	PALM FARMERS		
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

9876

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:	9876	DATE ISSUED:	SEPTEMBER 14, 2011
SCOPE OF WORK:	SIDING		
CONDITIONS :			
CONTRACTOR:	WM B IANIERO CONSTRUCTION		
PARCEL CONTROL NUMBER:	123841002-000-004209	SUBDIVISION	RIO VISTA – LOT 42
CONSTRUCTION ADDRESS:	22 LANTANA LANE		
OWNER NAME:	GIBBONS		
QUALIFIER:	WILLIAM B IANIERO	CONTACT PHONE NUMBER:	223-3470

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

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.

Town of Sewall's Point

BUILDING PERMIT APPLICATION

Date: _____ Permit Number: 9876

OWNER/TITLEHOLDER NAME: RICHARD & JOAN GIBBONS Phone (Day) 485-8053 (Fax) _____

Job Site Address: 22 LANTANA LANE City: STUART State: FL Zip: 34996

Legal Description LOT 42, RIO VISTA Subdivision Parcel Control Number: 12-38-41-002-000-00420-9

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

Scope of work (please be specific): RESIDE EXISTING RESIDENCE

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

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

COST AND VALUES: (Required on ALL permit applications)
Estimated Value of Improvements: $ 10,000.00
(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 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: Wm B. IANIERO CONST. Phone: 223-3470 Fax: 772-597-3545

Street: 2740 SW MARTIN DOWNS BLVD. City: PALM CITY State: FL Zip: 34990

State License Number: CBC1252137 OR: Municipality _____ License Number: _____

LOCAL CONTACT: WILLIAM IANIERO Phone Number: 772-223-3470

DESIGN PROFESSIONAL: _____ Lic# _____ Phone Number: _____

Street: _____ City _____ State: _____ Zip: _____

AREAS SQUARE FOOTAGE: Living: 2100 sf Garage: 400 sf Covered Patios/ Porches: 240 sf Enclosed Storage: _____

Carport: _____ Total under Roof 2500 sf 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.

RECEIVED
AUG 24 2011
For Town Hall
Sewall's Point

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 OWNERS LEGAL AUTHORIZED AGENT (PROOF REQUIRED)
Richard F Gibbons

State of Florida, County of: St. Lucie
This the 16 day of August 2011
by Richard F. Gibbons who is personally known to me or produced _____ as identification. Carla J Heinold
Notary Public
My Commission Expires: 4/30/2013

CONTRACTOR SIGNATURE: (required)
WM

On State of Florida, County of: MARTIN
This the 23 day of AUGUST 2011
by William R. Ianiero who is personally known to me or produced FLDL as identification. Michael Berg
Notary Public
My Commission Expires: 8/20/14

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!

CARLA J. HEINOLD
MY COMMISSION # DD 880446
EXPIRES: April 30, 2013
Bonded Thru Notary Public Underwriters

MICHAEL BERG
Notary Public, State of Florida
Commission# EE 11741
My comm. expires August 20

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

generated on 8/24/2011 9:58:12 AM EDT

Parcel ID	Account #	Unit Address	Market Total Value	Data as of
12-38-41-002-000-00420-9	27555	22 LANTANA LN, SEWALL'S POINT	$253,010	8/20/2011

Owner Information

Owner(Current)	GIBBONS RICHARD F GIBBONS JOAN B
Owner/Mail Address	22 LANTANA LN STUART FL 34996
Sale Date	4/27/1989
Document Book/Page	0809 0166
Document No.	
Sale Price	160000

Location/Description

Account #	27555	**Map Page No.**	SP-04
Tax District	2200	**Legal Description**	RIO VISTA S/D LOT 42
Parcel Address	22 LANTANA LN, SEWALL'S POINT		
Acres	.3440		

Parcel Type

Use Code	0100 Single Family
Neighborhood	120250 RIO VISTA DRY

Assessment Information

Market Land Value	$127,000
Market Improvement Value	$126,010
Market Total Value	$253,010

INSTR # 2289940 OR BK 02533 PG 1339 RECD 08/24/2011 09:41:28 AM
Pg 1339; (1pg)
MARSHA EWING MARTIN COUNTY DEPUTY CLERK L Bettineschi

NOTICE OF COMMENCEMENT

TO BE COMPLETED WHEN CONSTRUCTION VALUE EXCEEDS $2,500.00

PERMIT #: _____ TAX FOLIO #: 12-38-41-002-000-00420-9

STATE OF FLORIDA COUNTY OF MARTIN

THE UNDERSIGNED HEREBY GIVES NOTICE THAT IMPROVEMENT WILL BE MADE TO CERTAIN REAL PROPERTY, AND IN ACCORDANCE WITH CHAPTER 713, FLORIDA STATUTES, THE FOLLOWING INFORMATION IS PROVIDED IN THIS NOTICE OF COMMENCEMENT.

LEGAL DESCRIPTION OF PROPERTY (AND STREET ADDRESS IF AVAILABLE):
LOT 42, RIO VISTA SUBDIVISION ACCORDING TO PLAT BOOK 6, PG 95, 22 LANTANA LANE

GENERAL DESCRIPTION OF IMPROVEMENT: RESIDE EXISTING RESIDENCE

OWNER NAME: RICHARD & JOAN GIBBONS
ADDRESS: 22 LANTANA LANE, STUART, FL 34996
PHONE NUMBER: 772-485-8053 FAX NUMBER: _____

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

CONTRACTOR: WM B. TANIERO CONSTRUCTION, LLC
ADDRESS: 2740 SW MARTIN DOWNS BLVD., #281, PALM CITY, FL 34990
PHONE NUMBER: 772-223-3470 FAX NUMBER: 772-597-3545

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

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

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.

Richard F. Gibbons
SIGNATURE OF OWNER OR OWNER'S AUTHORIZED OFFICER/DIRECTOR/PARTNER/MANAGER

SIGNATORY'S TITLE/OFFICE _____

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 16 DAY OF August 2011
BY: Richard F. Gibbons AS Owner FOR _____
NAME OF PERSON TYPE OF AUTHORITY NAME OF PARTY ON BEHALF OF WHOM INSTRUMENT WAS EXECUTED

PERSONALLY KNOWN ✓ OR PRODUCED IDENTIFICATION ____

TYPE OF IDENTIFICATION PRODUCED _____

Carla Heinold
NOTARY SIGNATURE/ SEAL

CARLA J. HEINOLD
MY COMMISSION # DD 880446
EXPIRES: April 30, 2013
Bonded Thru Notary Public Underwriters

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

Richard F. Gibbons
(Signature of Natural Person Signing Above)

CIRCUIT COURT ★ MARTIN COUNTY, FLORIDA ★

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 _____
DATE 8-24-11

NG

COOK & MENARD ARCHITECTURE INC.

806 Delaware Avenue, Ft. Pierce, Florida 34950
Phone; (772)460-7751 Fax: (772) 460-4244
Email Address: cookmenard@yahoo.com

will bring in original

September 13, 2011

Sewall's Point Building Department
Sewalls Point, FL

Re: Re-siding of Residence
22 Lantana Lane
Permit # 9876

To Whom It May Concern:

After reviewing the information on the above referenced project please be advised that a vapor barrier is required by the Florida Building Code to separate cementitious materials from non - pressure treated lumber, therefore the installation of a house wrap over the existing T1-11 siding is required prior to the installation of Hardie Plank siding.

Respectfully Submitted,

Peter B. Cook
Cook & Menard Architecture Inc.

9-16-11 needs letter addressing existing vapor barrier

Wm B. Ianiero

Construction, LLC

"Fully Licensed & Insured"

Serving Martin, St. Lucie & Indian River Counties

State Certified Builder CBC1252137

August 24, 2011

Town of Sewall's Point Building Department
One S. Sewall's Point Road
Sewall's Point, FL 34996

RE: Residing of Gibbons Residence

We are proposing to install 7" HardiePlank siding over the existing residence 5/8" T111 siding/sheathing. We will be removing a 24" section along the bottom of the water damaged areas in the front, rear and sides of the residence and replacing it with 5/8" exterior glue plywood sheathing. All sheathing including original siding will be renailed and a layer of Tyvek will be applied over the entire residence prior to siding installation. The siding will be installed with #8 stainless steel nails fastened at each framing member. Hardie Trim will be used as casing around all exterior openings per original detail.

If you have any additional questions, please do not hesitate to contact me direct at 772-370-3490.

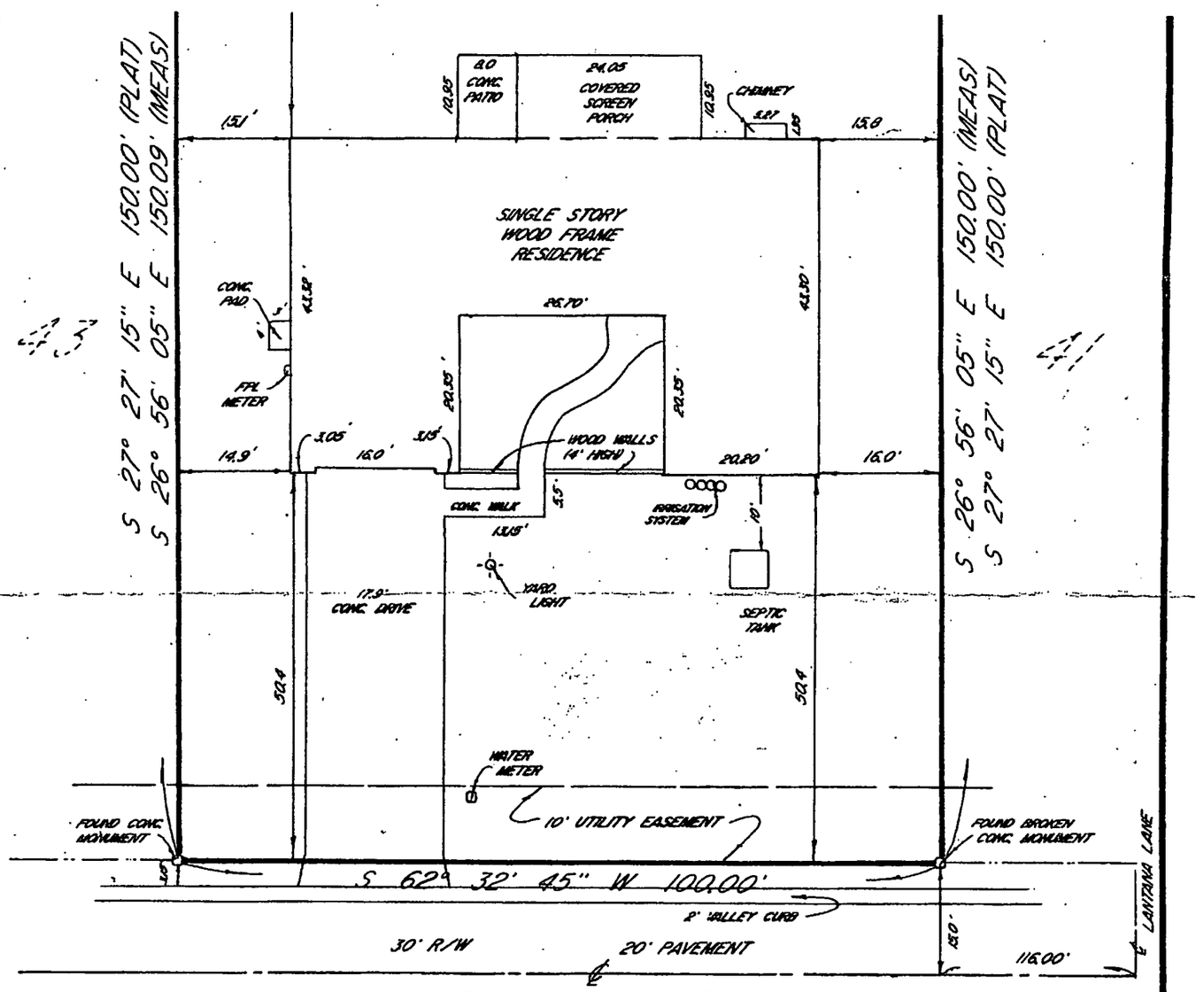
Sincerely,

William Ianiero
Wm B. Ianiero Construction, LLC

WBI/ji

Enc: Building Permit Application
2 Copies Manufacturer's Product Specifications
2 Copies NOA
1 Copy NER-405
2 Copies Building Footprint Sketch
1 Copy NOC

2740 SW Martin Downs Blvd., #281, Palm City, FL 34990 · Office (772) 223-3470 · Facsimile (772) 597-3545



LEGAL DESCRIPTION: LOT 42, RIO VISTA SUBDIVISION, according to the Plat thereof filed 12/11/75, in Plat Book 6, Page 95, of the Public Records of Martin County, Florida.

CERTIFIED TO: FIRST NATIONAL BANK & TRUST COMPANY OF THE TREASURE COAST, ITS SUCCESSORS OR ASSIGNS, ATIMA, CHICAGO TITLE INSURANCE COMPANY and RICHARD F. & JOAN B. GIBBONS

CERTIFICATE: This is to Certify that this SKETCH OF SURVEY, of the hereon described property, is true and correct to the best of my knowledge and belief, contains no visible encroachments, unless shown, and meets the Minimum Technical Standards set forth, by the Florida Board of Land Surveyors pursuant to Section 472.027, Florida Statutes.

NOTE: NOT VALID UNLESS SEALED WITH AN EMBOSSED SURVEYORS SEAL.

This SURVEY prepared from legal description supplied by client.

PROFESSIONAL LAND SURVEYOR
STATE OF FLORIDA REGISTRATION NO. 3152

Bearings based on Record Plat

Flood Zone "B"

REVISIONS

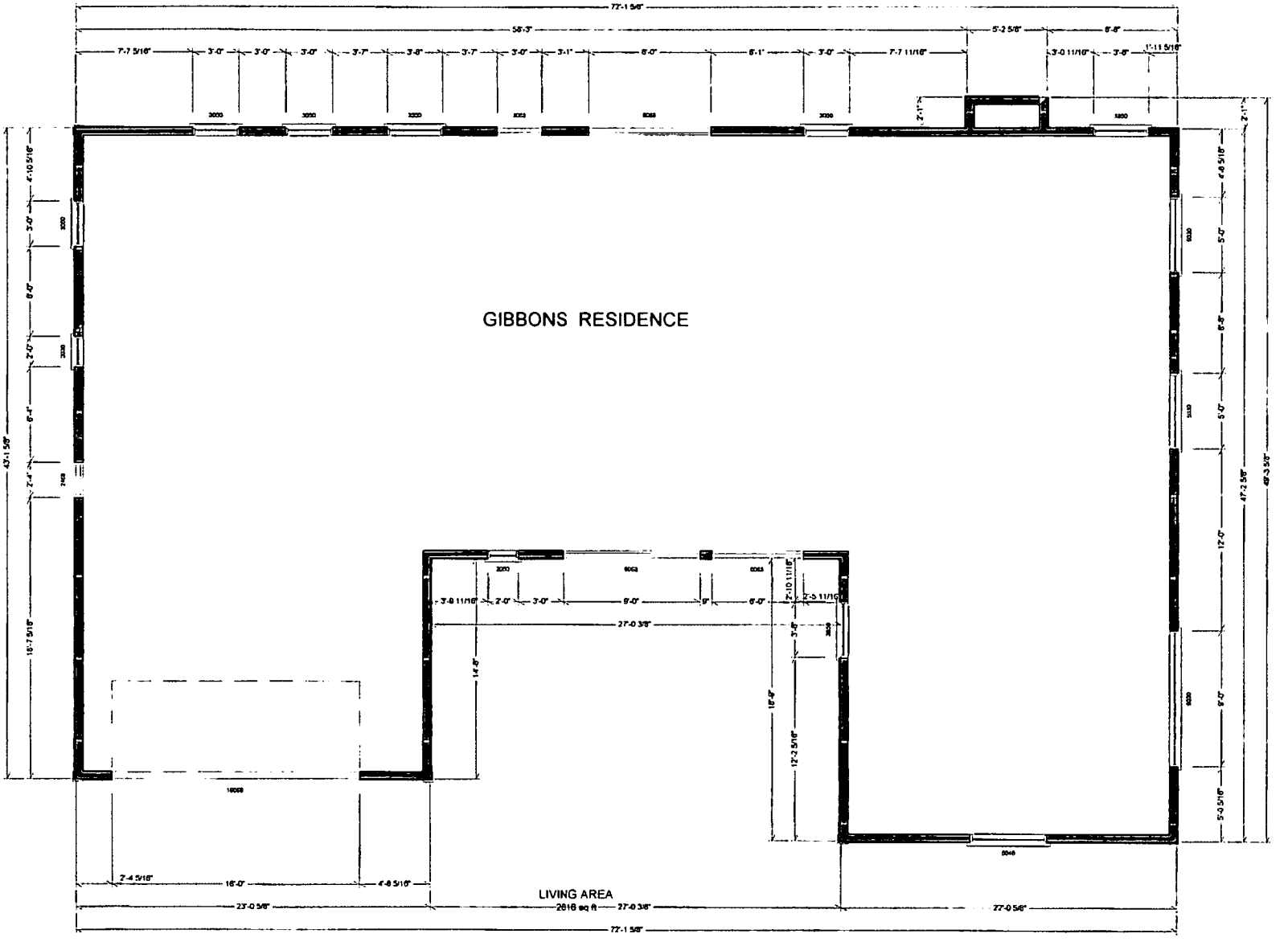
PROJECT NAME:

RICHARD F. & JOAN B. GIBBONS

PHILIP W. LANGBEHN
Professional Land Surveyor
1509 N.W. Lakeside Trail, Stuart, Fla. 33494
(305) 692-1254

Scale	Field PL, NL	Sheet	Field Book	FILE No.
1" = 20'	Design	1 Of 1	33 Pg. 19	
Date 3/29/89	Drawn D.L.	Drawing No	Work Order No. 89-2010.	
	Checked P.W.L.			

DRAWING 44-232 / 1891



HardiePlank® HZ10® Lap Siding

JamesHardie®

EFFECTIVE NOVEMBER 2010

INSTALLATION REQUIREMENTS - PRIMED & COLORPLUS® PRODUCTS

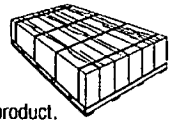
Visit www.jameshardie.com for the most recent version.

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. BEFORE INSTALLATION, CONFIRM THAT YOU ARE USING THE CORRECT HARDIEZONE™ PRODUCT INSTRUCTIONS. INSTALLATION OF HZ10® PRODUCTS OUTSIDE AN HZ10® LOCATION WILL VOID YOUR WARRANTY. TO DETERMINE WHICH HARDIEZONE™ APPLIES TO YOUR LOCATION, VISIT WWW.HARDIEZONE.COM OR CALL 1-866-942-7343 (866 9HARDIE)

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.

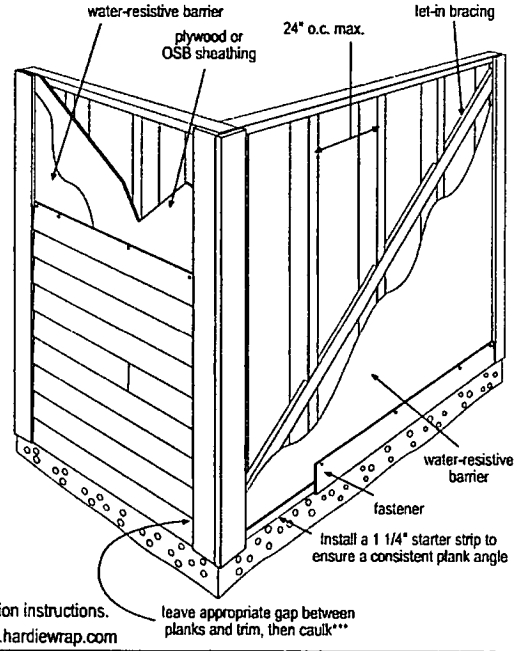
NIOSH-approved respirators can be used in conjunction with above cutting practices to further reduce dust exposures. Additional exposure information is available at www.jameshardie.com to help you determine the most appropriate cutting method for your job requirements. If concern still exists about exposure 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.

SDDS3105

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 housewrap1, which complies with building code requirements.
- When installing James Hardie products all clearance details in figs. 3,4,5,6,7,8,&9 must be followed.
- 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 use HardiePlank lap siding in fascia or trip applications.
- Do not install James Hardie products, such that they may remain in contact with standing water.
- HardiePlank lap siding may be installed on flat vertical wall applications only.
- For larger projects, including commercial and multi-family projects, where the span of the wall is significant in length, the designer and/or architect should take into consideration the coefficient of thermal expansion and moisture movement of the product in their design. These values can be found in the Technical Bulletin "Expansion Characteristics of James Hardie® Siding Products" at www.JamesHardie.com.
- DO NOT use stain on James Hardie® products.

Figure 1 Double Wall Construction / Single Wall Construction



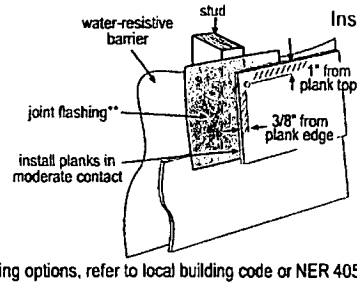
INSTALLATION:

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

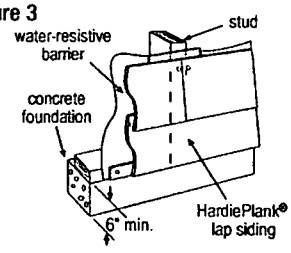
James Hardie® products contain respirable crystalline silica, which is known to the State of California to cause cancer and is considered by IARC and NIOSH to be a cause of cancer from some occupational sources. Breathing excessive amounts of respirable silica dust can also cause a disabling and potentially 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.

SDDS3105

CLEARANCES

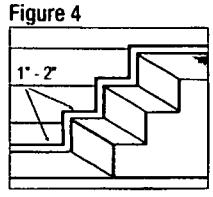
Install siding and trim products in compliance with local building code requirements for clearance between the bottom edge of the siding and the adjacent finished grade.

Figure 3



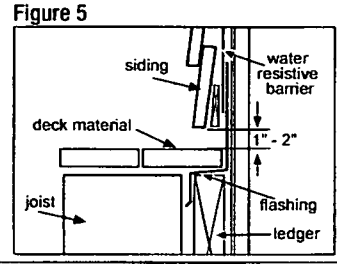
Maintain a 1" - 2" clearance between James Hardie® products and paths, steps and driveways.

Figure 4



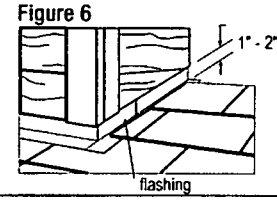
Maintain a 1" - 2" clearance between James Hardie products and decking material.

Figure 5



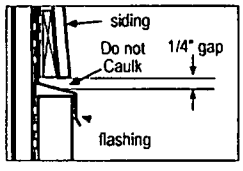
At the juncture of the roof and vertical surfaces, flashing and counterflashing shall be installed per the roofing manufacturer's instructions. Provide a 1" - 2" clearance between the roofing and the bottom edge of the siding and trim.

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

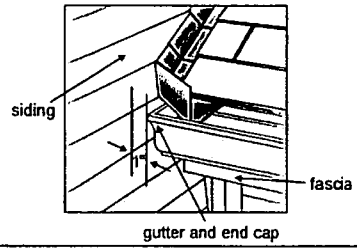
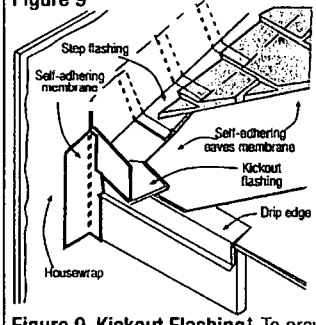


Figure 9



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

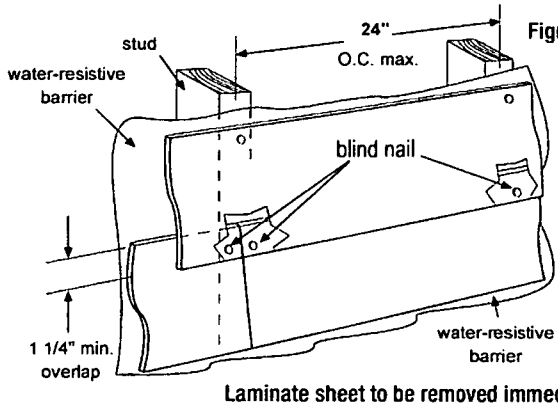
Nails - Wood Framing
- 6d (0.113" shank x 0.267" HD x 2" long)
- Siding nail (0.09" shank x 0.221" HD x 2" long)

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



Minimum overlap for Both Face and Blind Nailing

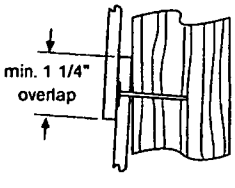
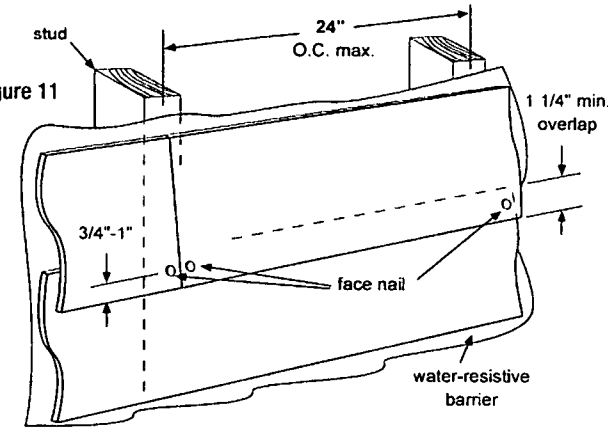


Figure 11



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; and when considering alternative fastening options refer to James Hardie's Technical Bulletin USTB 17 - Fastening Tips for HardiePlank® Lap Siding.

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.**

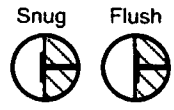
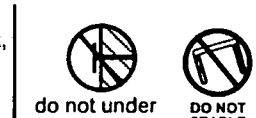


Figure A

Figure B



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	HARDIEPLANK® LAP SIDING WIDTH								
SQ (1 SQ = 100 sq.ft.)	(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®

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.**

PRODUCT CONTROL ACCEPTED

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)

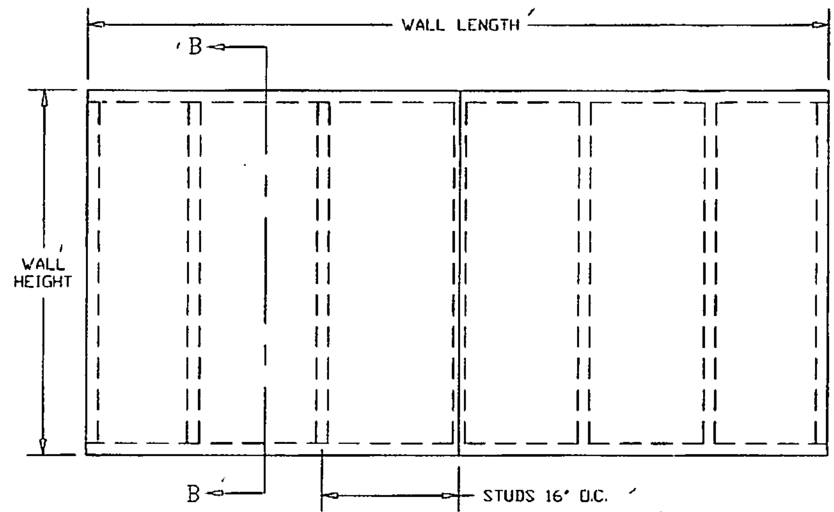
1. No change letter issued by James Hardie Building Products, Inc. issued on 02/16/99, signed and by J. L Mulder.
2. Power of Attorney and Appointment of Domestic Representative, signed by P. Shafron on 04/17/02, Assignment and Memorandum of Assignment signed by T. P. Dolmans on 04/16/02 and Assignment 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.

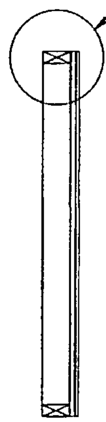
E OTHERS

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

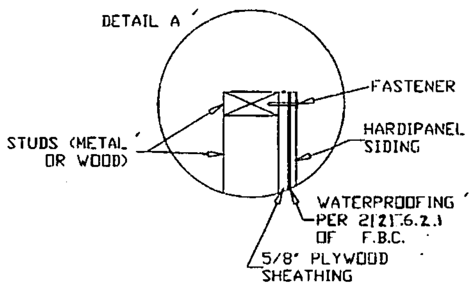
NOTES
1) ALL INSTALLATION SHALL BE DONE IN CONFORMANCE WITH THIS NOTICE OF ACCEPTANCE, THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS, AND THE APPLICABLE SECTIONS OF THE FLORIDA BUILDING CODE.

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.

PRODUCT RENEWED as complying with the Florida Building Code
07-0418.04
05/01/2012
By
Miami-Dade Product Control Division

PRODUCT REVISED as complying with the Florida Building Code
02-0723.02
By
Miami-Dade Product Control Division

DETAIL A

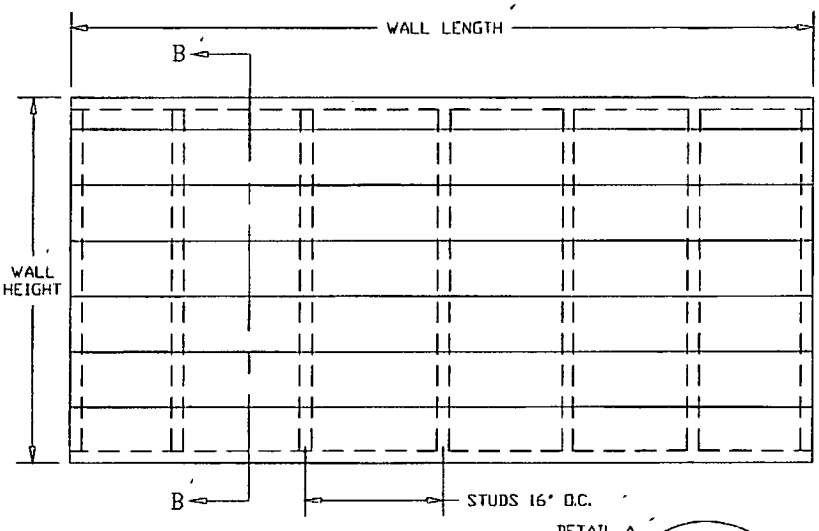


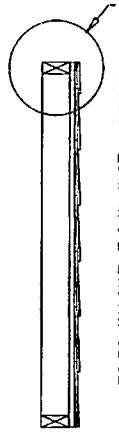
HARDIPANEL & CEMPANEL SIDING INSTALLATION DETAILS
The panels are applied vertically, avoiding horizontal joints, over 5/8" (5 ply) APA rated plywood supported by a minimum of 2"x4" wood studs or 20 ga. x 3 5/8" x 1 3/8" steel studs spaced a maximum of 16" o.c. When installed on wood studs panels shall 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.

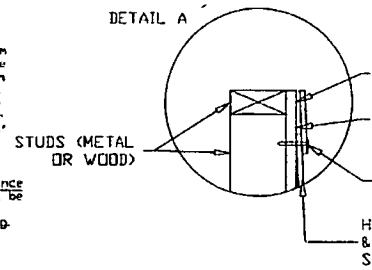
JAMES HARDIE BUILDING PRODUCTS - USA
RESEARCH & DEVELOPMENT CENTER
10901 ELM AVENUE
FONTANA, CA 92337
909-356-6300
FAX 909-427-0634

TITLE:	HARDIPANEL® & CEMPANEL® INSTALLATION DETAILS
DATE:	04/02/2004
DWG NO:	HPNL-8X
SHEET NO:	1/3
SCALE:	NTS
DRAWN BY:	C DIERCKS
APPROVED BY:	
DWG CHECKED:	
ENG NO:	





SECTION B-B



REVISION BLOCK

REV. / / DATE:

DESCRIPTION
Hardiplank & Cenplank 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.

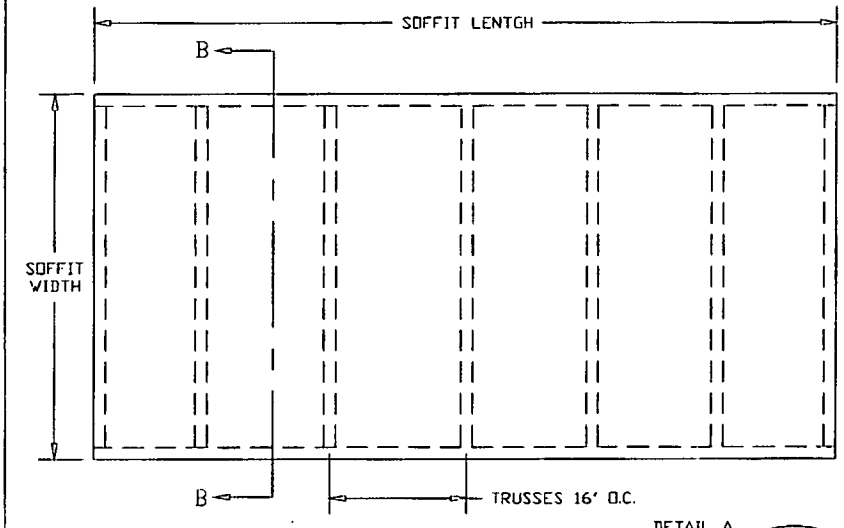
PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No: 07-0418.04
Expiration Date: 05/01/2012
By: Miami-Dade Product Control Division

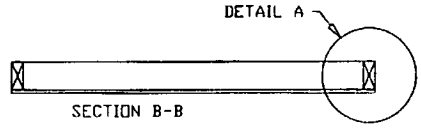
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No: 02-0729.08
Expiration Date: 05/01/07
By: Miami-Dade Product Control Division

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.: HPLK-4XB
SHEET NO.: 2/3
SCALE: NTS
DRAWN BY: C. DIERCKS
APPROVING DEPT:
ENG DISCIPLINE:
ENG NO.:

TITLE: HARDIPLANK® & CEMPLANK® INSTALLATION DETAILS





REVISION BLOCK

REV. / / DATE

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

SOFFIT DIMENSIONS

Width	Length	Thickness
≤48"	8,9,10'	1/4" & 5/16"

DESIGN PRESSURE RATING

Installation	Design Pressure
Wood frame	±53 PSF
Metal frame	±53 PSF

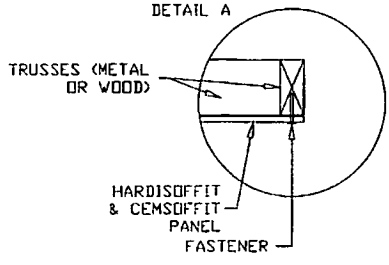
NOTES
1) ALL INSTALLATION SHALL BE DONE IN CONFORMANCE WITH THIS NOTICE OF ACCEPTANCE, THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS, AND THE APPLICABLE SECTIONS OF THE FLORIDA BUILDING CODE.

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

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No. 02-0418.04
Expiration Date: 04/01/2007
By: Miami-Dade Product Control Division

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 02-072902
Expiration Date: 04/01/07
By: Miami-Dade Product Control Division

HARDISOFFIT & CEMSOFFIT PANEL INSTALLATION DETAILS
The soffit panels are to be installed over minimum 2"x4" wood joists or 20 ga. x 3 5/8" x 1 3/8" steel joists spaced a maximum of 16" o.c. When installed on wood joists Hardisoffit shall be fastened with 6d x 2" long galvanized box nails; on steel studs it shall be fastened with #8 x 1 1/4" x 0.315" corrosion resistance H.D. ribbed bugle screws. The fasteners shall be placed 4" o.c. around the perimeter of the panel and intermediate studs. Nails and screws shall have a minimum edge distance of 3/8" and a minimum clearance of 2" from corners.



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
DWG NO.: HSOFFIT-8X
SHEET NO.: 3/3
SCALE: NTS
DRAWN BY: C. DIERCKS
TITLE: HARDISOFFIT® & CEMSOFFIT® INSTALLATION DETAILS
APPROVED BY:
ENG DISCIPLINE:
ENG NO.:

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.

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	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.) 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	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.) 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	6.25	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.) 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	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[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. 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	-	-

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	C	D	*Standard Building Code* < 60 ft	C	D	*BOCA National Building Code* 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 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	-			150	120	110
												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	-			130	100	90
												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	-			130	100	90
												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	-			110	85	75
												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.)		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	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 × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 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 × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 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 × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 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 × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 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 × 0.221" HD × 2" long galv. siding nail	Through overlap	2 × 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.)		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	6.00	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 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

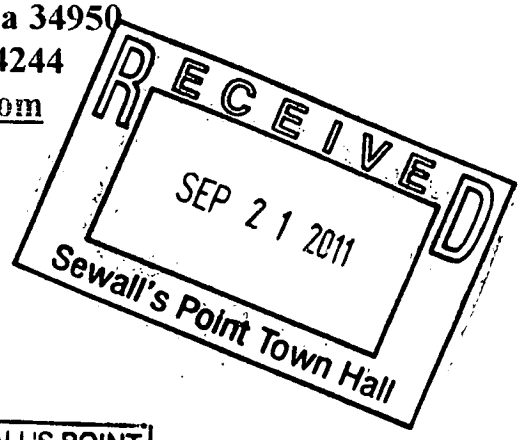
Height of Building (feet)	6-1/4 and 6 inch wide Hardiplank		7-1/2 inch wide Hardiplank		8-1/4 and 8 inch wide Hardiplank		9-1/2 inch wide Hardiplank	
	Exposure B	Exposure C	Exposure B	Exposure C	Exposure B	Exposure C	Exposure B	Exposure C
0-15	24.0	14.25	19.25	11.25	18.0	10.5	15.25	9.0
20	22.5	13.25	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.

COOK & MENARD ARCHITECTURE INC.

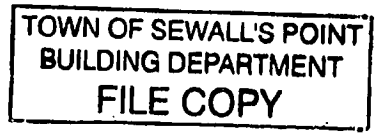
806 Delaware Avenue, Ft. Pierce, Florida 34950
Phone; (772)460-7751 Fax: (772) 460-4244
Email Address: cookmenard@yahoo.com



September 13, 2011

Sewall's Point Building Department
Sewalls Point, FL

Re: Re-siding of Residence
22 Lantana Lane
Permit # 9876



To Whom It May Concern:

After reviewing the information on the above referenced project including the deterioration of the existing vapor barrier please be advised that a vapor barrier is required by the Florida Building Code to separate cementitious materials from non - pressure treated lumber, therefore the installation of a house wrap over the existing T1-11 siding is required prior to the installation of Hardie Plank siding.

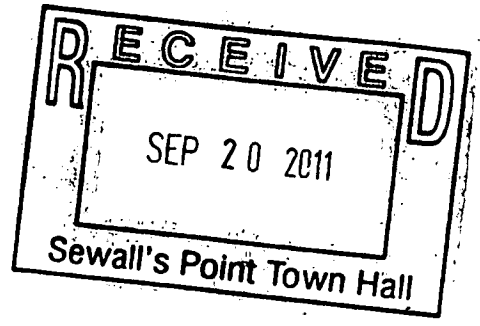
Respectfully Submitted,

Peter B. Cook
Cook & Menard Architecture Inc.

COOK & MENARD ARCHITECTURE INC.

806 Delaware Avenue, Ft. Pierce, Florida 34950
Phone; (772)460-7751 Fax: (772) 460-4244
Email Address: cookmenard@yahoo.com

September 13, 2011



Sewall's Point Building Department
Sewalls Point, FL

Re: Re-siding of Residence
22 Lantana Lane
Permit # 9876

To Whom It May Concern:

After reviewing the information on the above referenced project including the deterioration of the existing vapor barrier please be advised that a vapor barrier is required by the Florida Building Code to separate cementitious materials from non - pressure treated lumber, therefore the installation of a house wrap over the existing T1-11 siding is required prior to the installation of Hardie Plank siding.

Respectfully Submitted,

Peter B. Cook
Cook & Menard Architecture Inc.

Wm B. Ianiero

Construction, LLC

Licensed & Insured

Serving Martin, St. Lucie & Indian River Counties
Phone (772) 223-3470
Fax (772) 597-3545
State Certified Builder CBC1252137
www.wmbiconstruction.com

FACSIMILE TRANSMITTAL

TO: Town of Sewall's Point Building Department

FAX: 772-220-4765

DATE: September 19, 2011

RE: Gibbons Residence
Permit #9876

PAGES: 2 (including cover)

TOWN OF SEWALLS POINT

Building Department - Inspection Log

Date of Inspection ☐ Mon ☐ Tue ☐ Wed ☒ Thur ☐ Fri 9-22-11 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9871	Mire	in-progress		
	2 Melody La		Pass	
	All Area Roof			INSPECTOR [signature]

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
[redacted]				
1-1:30	Wm Janiero			INSPECTOR [signature]

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9838	Greenspan	Final		
	3 Oakhill	Elect	Reset	
	Zane Carter			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

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection ☒ Mon ☐ Tue ☐ Wed ☐ Thur ☐ Fri 10-24-11 Page ___ of ___

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9910	Dorothy Pearson	A/C		
10a	3 Marguerita	Final	Pass	Close
	JB A/C			INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9753	Billington	Hot Water Solar		
9 ae	2 Via deChrista	panel Final	Pass	
	Master Builders			INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
0	Rodney Bracken	Tree		
	4 Delano Lane	removal	on	
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9747	Schwartz	Roof SHEATHING		
9 18th	70 NSPR	Inspection	Pass	
	Driftwood Home	(nails)		INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9878	[illegible]	[illegible]		
	23 [illegible]	[illegible]	[illegible]	Close
	[illegible]			INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
	John Delmalino	Tree		
	24 Fielding	Removal	on	
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9859	Foster	Roofing	Pass	Close
	7 Timor St	Final		
	Heaton Roofing	DECK NAILING	Pass - AFFADAVIT	INSPECTOR

TREE

REMOVAL REPLACEMENT, RELOCATION

TOWN OF SEWALL'S POINT, FLORIDA

Date 3/20/2 19____ **TREE REMOVAL PERMIT** Nº 2016

APPLIED FOR BY R+J Gibbons, 22 Lantana Ln (Contractor or Owner)

Owner _____

Sub-division _____, Lot _____, Block _____

Kind of Trees Queen Palms

No. Of Trees: REMOVE 3

No. Of Trees: RELOCATE _____ WITHIN 30 DAYS (NO FEE)

No. Of Trees: REPLACE _____ WITHIN 30 DAYS

REMARKS OK to remove, invading drainfield paid.

FEE $ 15.—

Signed, _____ Applicant

Signed, _____ Town Clerk. Bldg. Inspector

TOWN OF SEWALL'S POINT

Call 287-2455 – 8:00 A.M.-12:00 Noon for Inspection

WORK HOURS 8:00 A.M. - 5:00 P.M.—NO SUNDAY WORK.

TREE REMOVAL PERMIT

RE: ORDINANCE 103

PROJECT DESCRIPTION _____

REMARKS _____

TOWN OF SEWALL'S POINT

APPLICATION FOR TREE REMOVAL, RELOCATION, REPLACEMENT

Permit # 2016

Date Issued: 3/20/12

This application shall include a written statement giving reasons for removal, relocation, or replacement and a site plan which shall include the dimensional location on a survey, scale drawing, or aerial photograph, superimposed with lot lines to scale, of all existing or proposed structures, improvements and site uses, location of affected trees identified with an estimated size and number, etc.

Owner Richard + Joan Gibbons Address 22 Lantana Ln. Phone 283-4517 W- 219-1580 x45

Contractor _____ Address _____ Phone _____

Number of trees to be removed (list kinds of trees) 3 queen palms (located in front island - need to be removed for drain field)

Number of trees to be relocated within 30 days (no fee) (list kinds of trees):

Number of trees to be replaced: (list kinds of trees):

Permit Fee $ 15.—

$15.00

(No permit fee for trees which are relocated on property or lie within a utility easement and are required to be removed in order to provide utility service, nor for a tree which is dead, diseased, injured or hazardous to life or property.)

Plans approved as submitted _____ Plans approved as marked _____

Permit good for one year. Fee for renewal of expired permit is $5.00.

Signature of applicant _____ Plans approved as marked _____

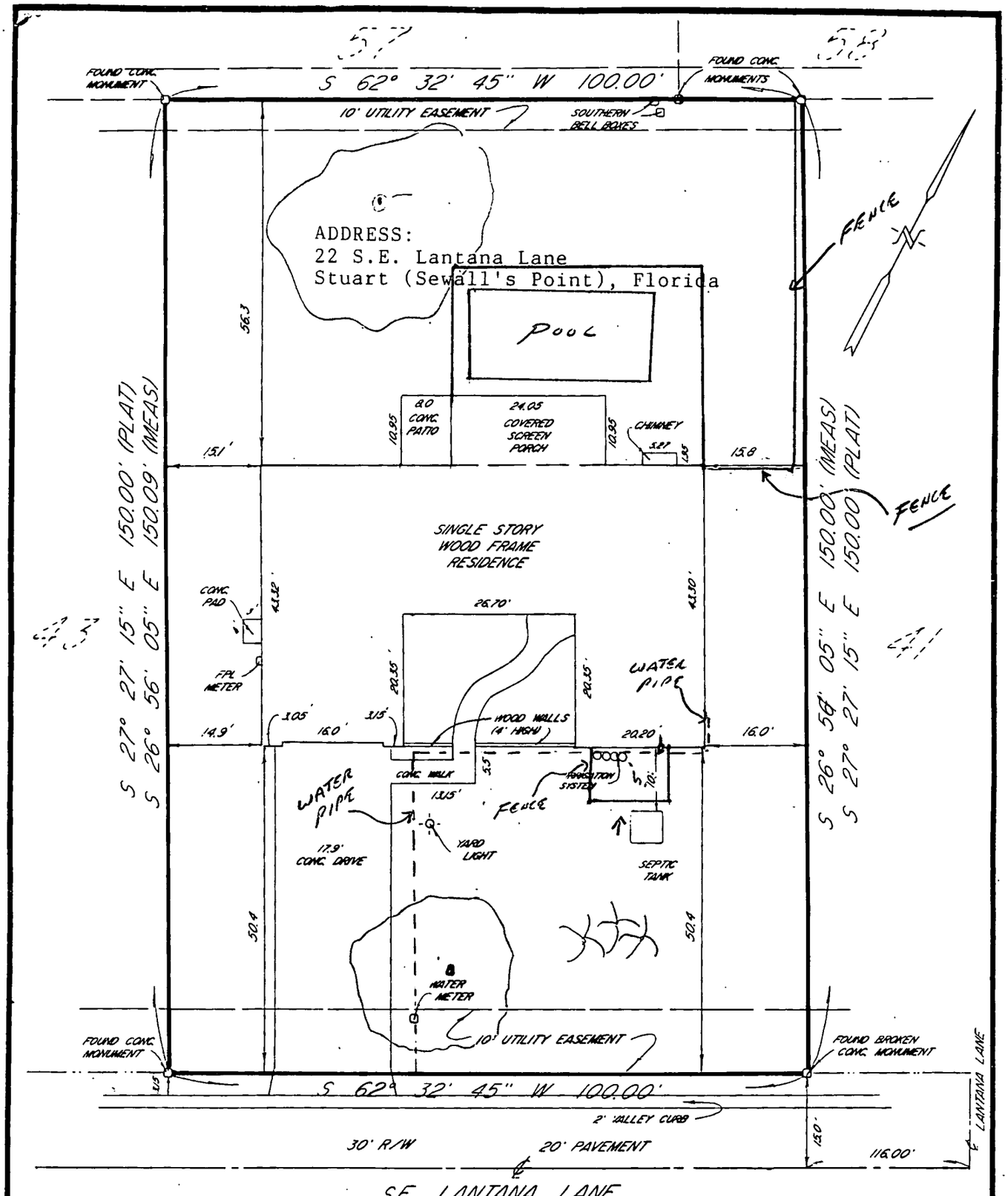
Approved by Building Inspector _____ Date submitted: 3/20/12

Completed _____
Date Checked by

THE FOLLOWING TREES MAY BE REMOVED OR DESTROYED WITHOUT A FEE. BRAZILIAN PEPPER, FLORIDA HOLLY TREE, AUSTRALIAN PINE AND STRANGLER FIG. FOR THE PURPOSE OF THIS PERMIT, A TREE IS DEFINED AS ANY SELF-SUPPORTING WOODY OR FIBROUS PERENNIAL PLANT WHICH HAS A MINIMUM HEIGHT OF TWELVE (12) FEET.

THE FOLLOWING TREES **MUST** BE REMOVED BEFORE CONSTRUCTION BEGINS: BRAZILIAN PEPPER, FLORIDA HOLLY TREE, AUSTRALIAN PINE AND MELALEUCA

See attached Tree Species List



LEGAL DESCRIPTION: LOT 42, RIO VISTA SUBDIVISION, according to the Plat thereof filed 12/11/75, in Plat Book 6, Page 95, of the Public Records of Martin County, Florida.

CERTIFIED TO: FIRST NATIONAL BANK & TRUST COMPANY OF THE TREASURE COAST, ITS SUCCESSORS OR ASSIGNS, ATIMA, CHICAGO TITLE INSURANCE COMPANY and RICHARD F. & JOAN B. GIBBONS

CERTIFICATE: This is to Certify that this SKETCH OF SURVEY, of the hereon described property, is true and correct to the best of my knowledge and belief, contains no visible encroachments, unless shown, and meets the Minimum Technical Standards set forth, by the Florida Board of Land Surveyors pursuant to Section 472.027, Florida Statutes.

NOTE: NOT VALID UNLESS SEALED WITH AN EMBOSSED SURVEYORS SEAL.

This SURVEY prepared from legal description supplied by client.

PROFESSIONAL LAND SURVEYOR
STATE OF FLORIDA REGISTRATION NO. 3152

Bearings based on Record Plat

Flood Zone "B"

REVISIONS

PROJECT NAME:

RICHARD F. & JOAN B. GIBBONS

PHILIP W. LANGBEHN
Professional Land Surveyor
1509 N.W. Lakeside Trail, Stuart, Fla. 33494
(305) 692-1254

Scale 1" = 20'	Field PL, NL	**Sheet** 1 Of 1	**Field Book** 33 **Pg.** 19	**FILE No.**
	Design			
Date 3/29/89	Drawn D.L.	**Drawing No**	**Work Order No.** 89 - 2010	
	Checked P.W.L.			

BRUNING 44-232 71897