

53 South Sewall's Point Road

1891

SFR

THIS PERMIT MUST BE DISPLAYED IN FRONT OF JOB

DO NOT REMOVE UNTIL JOB IS COMPLETED

OWNER CLARK & MARY DONLID
CONTRACTOR Sea Country Const Inc.
LOT 1 BLOCK SUB RIDGELAND
NO. 53 SOUTH SEWALL'S Pt RD. St. or Ave.

NO. 1891 Date Issued 2/20/86

Call 287-2455 From 8:00 A.M. - 12:00 Noon and
1:00 P.M. - 4:00 P.M. For Inspections of Items 1 thru 13.

TOWN OF SEWALL'S POINT BUILDING PERMIT

- * REQUESTS FOR INSPECTIONS REQUIRE AT LEAST 24 HOURS NOTICE.
- * ALL WORK MUST BE IN COMPLIANCE WITH THE TOWN OF SEWALL'S POINT ORDINANCES, THE SOUTH FLORIDA BUILDING CODE, THE STATE OF FLORIDA ENERGY EFFICIENCY BUILDING CODE AND ELEVATIONS BASED ON THE LATEST FLOOD INSURANCE RATE MAP.
- * WORKING HOURS ARE FROM 8:00 to 5:00 P.M. MONDAY THRU SATURDAY. PORTABLE TOILET FACILITIES MUST BE ON JOB SITE BEFORE INITIAL INSPECTION.

REQUIRED INSPECTIONS	INSPECTOR'S FINDING	INSPECTOR'S SIGNATURE
1. LOT STAKES/SET BACKS		
2. TERMITE PROTECTION		
3. FOOTING - SLAB	OK 3/7/86	[Signature]
4. ROUGH PLUMBING	OK 3/28/86	[Signature]
5. ROUGH ELECTRIC	OK 3/19/86	[Signature]
6. LINTEL	OK 3/14/86	
7. ROOF	4/25/86	
8. FRAMING	OK 5/19/86	[Signature]
9. INSULATION	OK 5/13/86	[Signature]
10. A/C DUCTS	OK 4/26/86	[Signature]
11. FINAL ELECTRIC	OK 4/26/86	[Signature]
12. FINAL PLUMBING	OK 4/26/86	[Signature]
13. FINAL CONSTRUCTION	OK 6/26/86	[Signature]

TO CONSTRUCT SINGLE FAMILY RESIDENCE

REMARKS:

TRAVIS
EXTERMINATING
COMPANY

4/2/86

Permit Number 1891

Date 2/20/86

APPLICATION FOR PERMIT TO BUILD A HOUSE OR COMMERCIAL BUILDING

This application must be accompanied by three (3) sets of plans, to scale, (1/4" scale for building drawings), including plot plan, foundation plan, floor plans, wall and roof cross-sections, plumbing, electrical and airconditioning layouts, and at least two elevations, as applicable. A copy of the property deed is required for new house or commercial building construction.

Owner CLARK T. and MARK V. DONLIN Present Address 9800 S. A1A
Phone 229-3318 JENSEN BEACH 33457

General Contractor SUN COUNTRY CONST. INC. Address 1147 S.W. 33RD ST.
Phone 287-7066 PALM CITY, FLA. 33490

Where Licensed FLA. (STATE CERTIFIED) License Number CB C014631

Plumbing contractor MASTER License Number # 00061

Electrical contractor HERITAGE License Number MARTIN CO. # 00080

Airconditioning contractor F.W. COLLINS & SONS License Number # ~~00160~~ CAC=016479

Roofing contractor WILFRAM CONST. License Number 00624

Describe the building, or alteration to existing building ONE STORY, SINGLE FAMILY RESIDENCE

Name the street on which the building, its front building line and its front yard will face: 53 SOUTH SEWALLS POINT ROAD S/W CORNER

Subdivision RIDGELAND Lot Number #1 Block Number _____

Building area, inside walls 2410 square feet
Garage, carport, porches, etc. 895 square feet

Contract price (excluding land, carpeting, appliances, landscaping, etc.) \$ 92,000.⁰⁰

Cost of permit \$ 500.⁰⁰ Plans approved as submitted or, as marked _____

I understand that this permit is good for twelve 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 Commission "red-tagging" the building project. All debris must be contained in a dumpster.

Contractor's signature James F. Clark

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 the neighborhood, as required by the Town's zoning ordinance.

Owner's signature Clark T. Donlin

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

TOWN RECORD

Approved by Building Inspector (date) 2/7/86 inspector's initials [Signature]

Approved by Town Commissioner (date) 2/20/86 inspector's initials [Signature]

Certificate of occupancy issued (date) _____

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 FLORIDA MODEL ENERGY EFFICIENCY BUILDING CODE.

See Attachment

This Warranty Deed Made and executed the 30th day of MAY A. D. 1985 by

GEMINI ENTERTAINMENT MEDIA, INC.

558357

a corporation existing under the laws of the State of New York, and having its principal place of business at hereinafter called the grantor, to

CLARK T. DONLIN AND MARY V. DONLIN, his wife

whose postoffice address is 9800 S. A1A, #206, Jensen Beach, Fl. 33457

hereinafter called the grantee:

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

Witnesseth: That the grantor, for and in consideration of the sum of \$ 10.00 and other valuable considerations, receipt whereof is hereby acknowledged, by these presents does grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee, all that certain land situate in Martin County, Florida, viz:

Lot 1, of RIDGELAND, a Subdivision in The Town of Sewall's Point, Florida, according to the Plat thereof, recorded in Plat Book 8, page 3, Public Records of Martin County, Florida.

Subject to Taxes—Subsequent to December 31, 1984 and restrictions, reservations, easements and covenants of record.

FILED FOR RECORD
MARTIN COUNTY, FLA.
JUN 7 1985 3:14
LOUISE V. ISAACS
BY _____ A&C

STATE OF FLORIDA
DOCUMENTARY STAMP TAX
DEPT. OF REVENUE
JUN-7'85
236.25

Together with all the tenements, hereditaments and appurtenances thereto belonging or in any-wise appertaining.

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

And the grantor hereby covenants with said grantee that it is lawfully seized of said land in fee simple; that it has good right and lawful authority to sell and convey said land; that it hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances. The provisions of this deed and guarantees contained therein are no less than in a General Warranty Deed.

In Witness Whereof the grantor has caused these presents to be executed in its name, and its corporate seal to be hereunto affixed, by its proper officers thereunto duly authorized, the day and year first above written.

ATTEST _____
Secretary
Signed, sealed and delivered in the presence of:
Charles A. McKee
Vernice T. Bahouth

GEMINI ENTERTAINMENT MEDIA, INC.
By *John H. Rose, Jr.*
President

STATE OF Florida
COUNTY OF Martin }

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared

John H. Rose, Jr.

well known to me to be the President of the corporation named as grantor in the foregoing deed, and that they severally acknowledged executing the same in the presence of two subscribing witnesses freely and voluntarily under authority duly vested in them by said corporation and that the seal affixed thereto is the true corporate seal of said corporation.

WITNESS my hand and official seal in the County and State last aforesaid this 30th day of May A. D. 1985

O. R. BOOK 638 PAGE 2533

This Instrument prepared by:
Address

Jay Bradley
Notary Public
My Commission Expires: 3-5-89

Return to
STEWART TITLE OF MARTIN COUNTY
409 E. OSCEOLA AVENUE
STUART, FLORIDA 33494
365-286-2270

Warranty Deed

FROM CORPORATION

To



CERTIFICATE OF INSURANCE

SET TAB STOPS AT ARROWS
ISSUE DATE (MM/DD/YY)

7-31-85

PRODUCER

Cornelius, Johnson & Clark, Inc.
252 Osceola Ave.
Stuart, Fl. 33494

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

COMPANIES AFFORDING COVERAGE

COMPANY LETTER	A	CONTINENTAL INSURANCE CO.
COMPANY LETTER	B	
COMPANY LETTER	C	
COMPANY LETTER	D	
COMPANY LETTER	E	

INSURED

SUN COUNTRY CONSTRUCTION, INC.
1147 SW 33rd St.
Palm City, Fl. 33490

COVERAGES

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

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIABILITY LIMITS IN THOUSANDS			
						EACH OCCURRENCE	AGGREGATE	
A	GENERAL LIABILITY	to be assigned	08-02-85	08-02-86	BODILY INJURY	\$ 300	\$	
	<input checked="" type="checkbox"/> COMPREHENSIVE FORM				PROPERTY DAMAGE	\$ 50	\$ 50	
	<input type="checkbox"/> PREMISES/OPERATIONS UNDERGROUND EXPLOSION & COLLAPSE HAZARD PRODUCTS/COMPLETED OPERATIONS				BI & PD COMBINED	\$	\$	
	<input type="checkbox"/> CONTRACTUAL				PERSONAL INJURY	\$	\$	
	<input type="checkbox"/> INDEPENDENT CONTRACTORS							
	<input type="checkbox"/> BROAD FORM PROPERTY DAMAGE <input type="checkbox"/> PERSONAL INJURY							
	AUTOMOBILE LIABILITY				BODILY INJURY (PER PERSON)	\$		
	<input type="checkbox"/> ANY AUTO				BODILY INJURY (PER ACCIDENT)	\$		
	<input type="checkbox"/> ALL OWNED AUTOS (PRIV. PASS.)				PROPERTY DAMAGE	\$		
	<input type="checkbox"/> ALL OWNED AUTOS (OTHER THAN PRIV. PASS.)				BI & PD COMBINED	\$		
	<input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> GARAGE LIABILITY							
	EXCESS LIABILITY				BI & PD COMBINED	\$	\$	
	<input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM							
A	WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY	to be assigned	7-12-85	7-12-86	STATUTORY	\$100 (EACH ACCIDENT)	\$500 (DISEASE-POLICY LIMIT)	\$100 (DISEASE-EACH EMPLOYEE)
	OTHER							

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

CERTIFICATE HOLDER

State of Florida
Florida Construction Industry Licensing Board
P. O. Box 8621
Jacksonville, Fl. 32211

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

$$\begin{array}{r} 2410 \\ 60 \\ \hline 144600 \\ 12375 \\ \hline \$156975 \end{array}$$

$$\begin{array}{r} 895 \\ 25 \\ \hline 4475 \\ 1790 \\ \hline 12375 \end{array}$$

SUN COUNTRY CONSTRUCTION INC

DOWLIN RESIDENCE -2-

ARTICLE 2

THE SCOPE OF WORK

The contractor shall perform all the Work required by the Contract Documents for all labor and all materials shown on the Drawings of Joseph P. McCarty, Architect, designated: A-1, A-2, A-3, A-4, A-5, with general specifications and conditions and certain allowances thereon, under date October 15, 1985. Further, the Contractor shall do everything required by the contract documents remembered above.

ARTICLE 3

TIME OF COMMENCEMENT AND SUBSTANTIAL COMPLETION

The Work to be performed under this Contract shall be commenced on the date Notice of Commencement is available to be posted. Substantial completion shall be achieved not later than One Hundred Twenty (120) calendar days from date of Commencement. The Contractor shall maintain a continuous work effort throughout the entire production schedule.

ARTICLE 4

CONTRACT SUM

The Owner shall pay the Contractor in current fund for the performance of the Work, subject to additions and deductions by written Change Order, executed by both Contractor and one of the Owners, as provided in the Contract Documents, the Contract Sum of ONE HUNDRED EIGHT THOUSAND THREE HUNDRED FIFTY-ONE DOLLARS and 50/100 CENTS (\$108,351.50).

The Contract Sum is determined as follows: (\$108,351.50) including the following allowance items and their installation:

- | | |
|---|-----------|
| 1. Landscaping | \$ 500.00 |
| 2. Built-in appliances (dishwasher, hotwater dispenser, foodwaste disposal, cook-top range, and microwave oven combination) | 2,818.00 |
| 3. Carpet, Floor Tile, and Vinyl Flooring | 5,364.00 |
| 4. Cabinets (kitchen, bathrooms, laundry, and wet bar) | 5,700.00 |
| 5. Light Fixtures, Central Vacuum, and Intercom | 1,500.00 |

*Paul
GHS*

Site clearing and water hook-up shall be completed by Owner prior to construction start.

MASTER PLUMBING. # 00061

PERSONALIZED A.C. 00160

DESCRIPTION:

LOT-1, RIDGELAND, AS RECORDED IN PLAT BOOK 8, PAGE 3, PUBLIC RECORDS OF MARTIN COUNTY, FLORIDA. SUBJECT TO ANY APPLICABLE EASEMENTS, RIGHTS-OF-WAY, OR OTHER RESTRICTIONS OF RECORD.

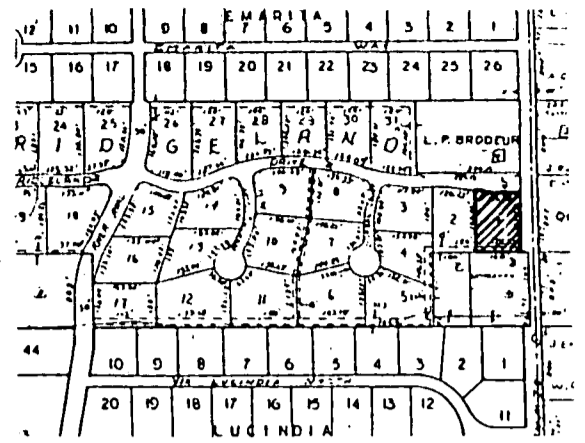
CERTIFIED TO CLARK DONLIN, GLENDALE FEDERAL SAVINGS AND LOAN ASSOCIATION, AND SUN COUNTRY CONSTRUCTION, INC.

THIS SURVEY IS CERTIFIED TO COMPLY WITH THE TECHNICAL STANDARDS AS PRESCRIBED IN CHAPTER 21HH-6, F.A.C.

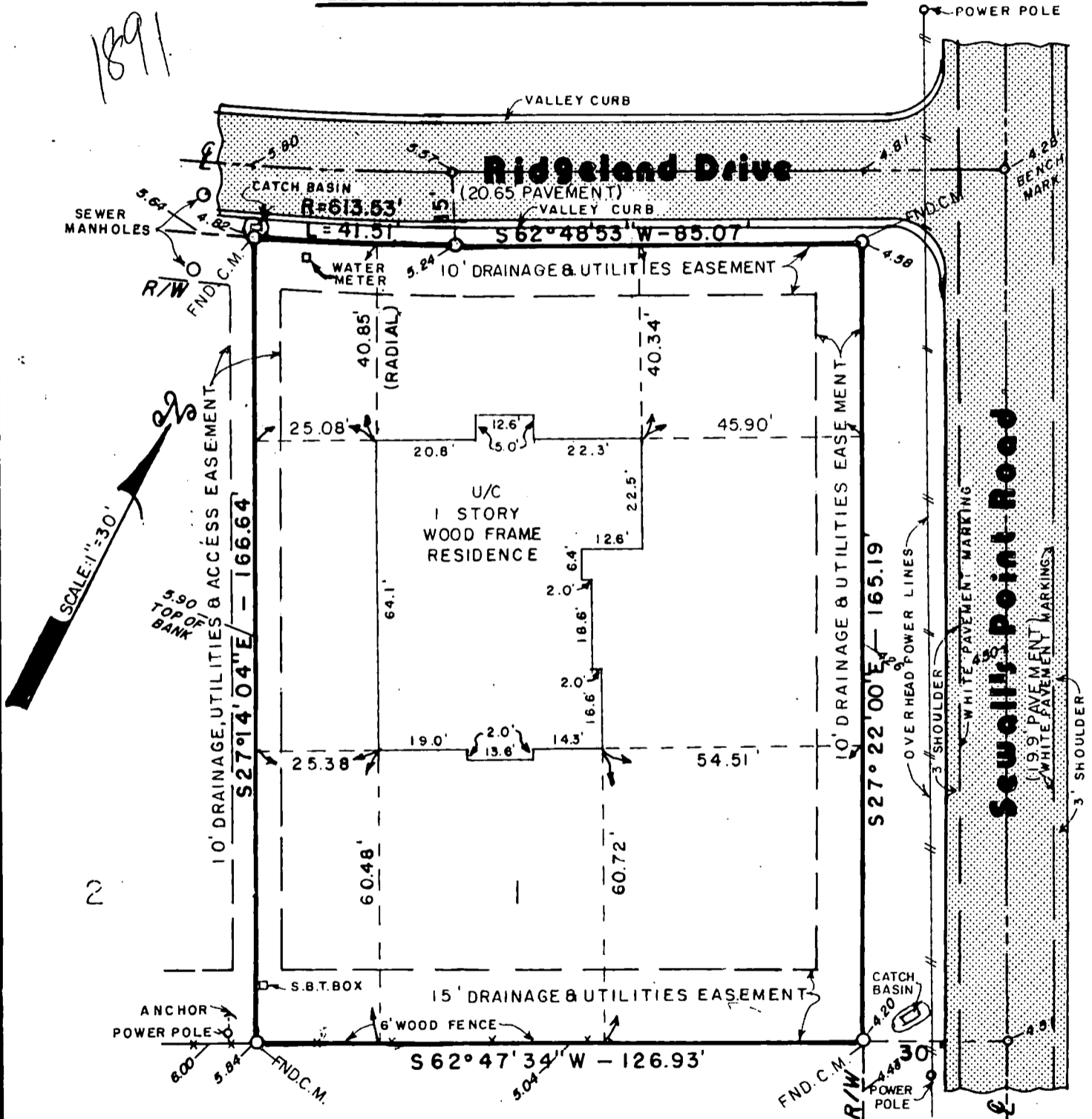
ELEVATIONS SHOWN HEREON ARE RELATED TO N.G.V.D. OF 1929.

PROPERTY LIES IN FLOOD ZONE "A-10".

VICINITY MAP



BOUNDARY SURVEY MAP



BETHAM ASSOCIATES

ENGINEERS · PLANNERS · SURVEYORS
 921 NORTHEAST COMMERCIAL STREET JENSEN BEACH, FLORIDA 33457
 (305) 334-1800 465-6380

NOTE: THE SURVEY SHOWN HEREON COMPLIES WITH THE MINIMUM REQUIREMENTS FOR LAND SURVEYS MADE FOR TITLE PURPOSES IN FLORIDA, AS DEVELOPED AND ADOPTED BY THE F.S.P.L.S. AND THE F.L.T.A. A SEARCH OF THE PUBLIC RECORDS HAS NOT BEEN MADE BY THIS OFFICE.

Drawn By: RAY
 Date: 2-2-86
 Revised: 4-3-86
 Order Number: 86-065
 Plat Book 8

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

Page 3 Field Book 48A
 Scale 1" = 30'

PROFESSIONAL LAND SURVEYOR
 FLORIDA CERTIFICATE NO. [Signature]



FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM

OMB 3067-0077
Expires: July 1984

ELEVATION CERTIFICATE

This form is to be used for: 1) New/Emergency Program construction in Special Flood Hazard Areas; 2) Pre-FIRM construction after September 30, 1982; 3) Post-FIRM construction; and, 4) Other buildings rated as Post-FIRM rules.

Mr. & Mrs. Clark Donlin 9800 South Highway A-1-A, Jensen Beach, Florida 33457

BUILDING OWNER'S NAME ADDRESS

Lot 1, Ridgeland Subdivision, Martin County, Florida- Plat Book 8, Page 3, Martin County

PROPERTY LOCATION (Lot and Block numbers and address if available)

A/K/A 53 South Sewall's Point Road

I certify that the information on this certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. code, Section 1001.

SECTION I ELIGIBILITY CERTIFICATION (Completed by Local Community Permit Official or a Registered Professional Engineer, Architect, or Surveyor)

COMMUNITY NO	PANEL NO	SUFFIX	DATE OF FIRM	FIRM ZONE	DATE OF CONSTR	BASE FLOOD ELEV. (In AO Zone, use depth)	BUILDING IS
120164	0002	C	4-3-84	A-10		9.0	<input type="checkbox"/> New/Emergency <input type="checkbox"/> Pre-FIRM Reg <input type="checkbox"/> Post-FIRM Reg

YES NO It is intended that the building described above will be constructed in compliance with the community's flood plain ordinance. The certifier may rely on community records. The lowest floor (including basement) will be at an elevation of _____ ft. NGVD. Failure to construct the building at this elevation may place the building in violation of the community's flood plain management ordinance.

YES NO The building described above has been constructed in compliance with the community's flood plain management ordinance based on elevation data and visual inspection or other reasonable means.
If NO is checked, attach copy of variance issued by the community.

YES NO The mobile home located at the address described above has been tied down (anchored) in compliance with the community's flood plain management ordinance, or in compliance with the NFIP Specifications.

MOBILE HOME MAKE	MODEL	YR. OF MANUFACTURE	SERIAL NO.	DIMENSIONS X

(Community Permit Official or Registered Professional Engineer, Architect, or Surveyor)

NAME ADDRESS

TITLE CITY STATE ZIP

SIGNATURE DATE PHONE

SECTION II ELEVATION CERTIFICATION (Certified by a Local Community Permit Official or a Registered Professional Engineer, Architect, or Surveyor.)

FIRM ZONE A1-A30: I certify that the building at the property location described above has the lowest floor (including basement) at an elevation of 9.25 feet, NGVD (mean sea level) and the average grade at the building site is at an elevation of 5.10 feet, NGVD.

FIRM ZONES V, V1-V30: I certify that the building at the property location described above has the bottom of the lowest floor beam at an elevation of _____ feet, NGVD (mean sea level), and the average grade at the building site is at an elevation of _____ feet, NGVD.

FIRM ZONES A, A99, AO, AH, and EMERGENCY PROGRAM: I certify that the building at the property location described above has the lowest floor elevation of _____ feet, NGVD. The elevation of the highest adjacent grade next to the building is _____ feet, NGVD.

SECTION III FLOODPROOFING CERTIFICATION (Certification by a Registered Professional Engineer or Architect)

I certify to the best of my knowledge, information, and belief, that the building is designed so that the building is watertight, with walls substantially impermeable to the passage of water and structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy that would be caused by the flood depths, pressures, velocities, impact and uplift forces associated with the base flood.

YES NO In the event of flooding, will this degree of floodproofing be achieved with human intervention?
(Human intervention means that water will enter the building when floods up to the base flood level occur unless measures are taken prior to the flood to prevent entry of water (e.g., bolting metal shields over doors and windows).

YES NO Will the building be occupied as a residence?

If the answer to both questions is YES, the floodproofing cannot be credited for rating purposes and the actual lowest floor must be completed and certified instead. Complete both the elevation and floodproofing certificates.

FIRM ZONES A, A1-A30, V1-V30, AO and AH: Certified Floodproofed Elevation is _____ feet, (NGVD).

THIS CERTIFICATION IS FOR SECTION II BOTH SECTIONS II AND III (Check One)

CERTIFIER'S NAME COMPANY NAME LICENSE NO. (or Affix Seal)

David W. Betham, P. L. S. Betham Associates 3199

TITLE ADDRESS ZIP

President 921 N.E. Commercial Street, Jensen Beach, Florida 33457

SIGNATURE DATE CITY STATE PHONE

April 22, 1986 (305) 334-1800

The insurance agent should attach the original copy of the completed form to the flood insurance policy application, the second copy should be supplied to the policyholder and the third copy retained by the agent

INSURANCE AGENTS MAY ORDER THIS FORM

593-117

MARTIN COUNTY PUBLIC HEALTH UNIT
131 East 7th Street
Stuart, Florida 33497
287-2277

STUBOUT ELEVATION AND FILL CERTIFICATION

APPLICANT: SUN COUNTRY CONSTRUCTION
LEGAL DESCRIPTION: LOT 1 SUBSECTAND
SEPTIC TANK PERMIT NUMBER: 11236-12A REVISION to 85-667

The items noted below must be certified by a surveyor or engineer and returned to the Health Department prior to the first plumbing inspection by the Building Department.

1. Building Permit Number: 1891 (SEWALL'S POINT)
2. I certify that the elevation of the top of the lowest plumbing stubout is at or above the approved elevation as shown on septic tank permit application.

Date elevation checked: _____

3. I certify that the top of the lowest building plumbing stubout is 3.35 feet above the crown of road.
4. I certify that all severe limited soil has been removed from an area of 20 feet by 50 feet to a minimum depth of six (6) feet below top of required stubout elevation. Submit plot plan to scale of excavated area.

Date observed: _____

- NOTE: a. Severe limited soil includes but is not limited to hardpan, clay, silt, marl or muck.
- b. Drainfield must be centered in the excavated area. Please set stakes to identify the excavated area boundaries. Drainfield will not be approved if severe limited soils are not removed.

CERTIFIED BY: [Signature] As applicant or applicant's representative, I understand the above requirements.
Florida Professional Number: PLS-3199
Date: 3-28-86 Job Number: 86-065 [Signature]
(Signature)

FOR MARTIN COUNTY PUBLIC HEALTH UNIT USE ONLY

(Signature of Environmental Health Specialist)

(Date)

MARTIN COUNTY PUBLIC HEALTH UNIT
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM

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

PERMIT NUMBER: HD 85-667

NAME OF APPLICANT: John C. Marquardt

HOME PHONE: (305)286-0792

WORK PHONE: (305)334-5165

MAILING ADDRESS OF APPLICANT: P.O. Box 1492, Stuart, Fl. 33495

LOT 1 BLOCK - SUBDIVISION Ridgeland

PLAT BOOK 8 PAGE 3 DATE SUBDIVIDED 10-1979

RESIDENTIAL: NUMBER DWELLING UNITS 1 NUMBER BEDROOMS 3

HEATED OR COOLED AREA OF HOME 3986 SQUARE FEET

COMMERCIAL: TYPE OF BUSINESS PROPOSED _____ NUMBER PEOPLE _____

AFFIDAVIT

I HAVE REVIEWED THIS PERMIT AND I CERTIFY THAT ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THIS PERMIT AND ANY APPLICABLE STATE OR COUNTY REGULATIONS.

SIGNATURE OF PROPERTY OWNER OR OWNER'S LEGALLY AUTHORIZED REPRESENTATIVE:

Cynthia Walker

INSTALLATION SPECIFICATIONS

SEPTIC TANK CAPACITY 1050 GALLONS

DRAINFIELD SIZE 400 SQUARE FEET

TOP OF BUILDING STUB OUT IS REQUIRED TO BE A MINIMUM ELEVATION OF

7" ABOVE CROWN OF ROAD

TOP OF SEPTIC TANK IS REQUIRED TO BE A MINIMUM ELEVATION OF

11" ABOVE CROWN OF ROAD

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

ISSUED BY:

Daniel M. Soskowsky
ENVIRONMENTAL HEALTH SPECIALIST

DATE:

12-20-85

PLEASE NOTE:

1. THIS PERMIT EXPIRES ONE YEAR FROM DATE OF ISSUANCE.
2. IF BUILDING STUBOUT IS MORE THAN 20 FEET FROM SEPTIC TANK AND DRAINFIELD, A HIGHER STUBOUT ELEVATION THAN SHOWN ABOVE WILL BE REQUIRED.
3. IF FILL IS REQUIRED, CONTACT MARTIN COUNTY BUILDING DIVISION.
4. IF ANY INFORMATION ON THIS PERMIT CHANGES, PLEASE SUBMIT AN UPDATED APPLICATION TO THIS OFFICE.
5. IF WELL OR MOUND DRAINFIELD IS PROPOSED, SEE ATTACHED SKETCH OF ADDITIONAL SPECIAL REQUIREMENTS.

Inspection results will be posted in electrical box.

FINAL INSPECTION

CONSTRUCTION APPROVED BY:

ENVIRONMENTAL HEALTH SPECIALIST

DATE:

AN APPROVED SYSTEM DOES NOT GUARANTEE PERFORMANCE

MARTIN COUNTY PUBLIC HEALTH UNIT
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM

SITE INFORMATION

1. IS THERE A SEPTIC SYSTEM OR OTHER INTERFERENCE WITHIN 75 FEET OF THE PROPOSED PRIVATE WELL? no
2. IS THERE A PRIVATE WELL WITHIN 75 FEET OF THE PROPOSED SEPTIC SYSTEM? no
3. IS THERE A LIMITED USE NON-COMMUNITY OR OTHER PUBLIC WELL WITHIN 100 FEET OF PROPOSED SEPTIC SYSTEM? no
4. IS THERE A PUBLIC WELL WITHIN 200 FEET OF THE PROPOSED SEPTIC SYSTEM? no
5. IS THERE A PUBLIC SEWER WITHIN 100 FEET OF THE PROPOSED LOT? no
6. IS THERE A LAKE, STREAM, WETLAND, OR OTHER BODY OF WATER WITHIN 75 FEET OF THE PROPOSED SEPTIC SYSTEM? no
7. IS THERE A PROPOSED OR EXISTING PUBLIC WATER LINE WITHIN TEN FEET OF THE PROPOSED SEPTIC SYSTEM? no
8. IS THERE A STORM WATER RETENTION AREA OR DRAINAGE EASEMENT WITHIN 15 FEET OF THE PROPOSED SEPTIC SYSTEM? no
9. IS THE SEPTIC SYSTEM IN AN AREA PROPOSED FOR PAVING OR VEHICULAR TRAFFIC? no
10. ARE ALL PRIVATE WELLS, SEPTIC SYSTEMS AND SURFACE WATER ON ADJACENT OR CONTIGUOUS LAND WITHIN 75 FEET OF THE APPLICANT'S LOT, IF PRESENT, SHOWN ON PLOT PLAN? yes
11. ARE ALL PUBLIC WELLS WITHIN 200 FEET OF THE APPLICANT'S LOT, IF PRESENT, SHOWN ON PLOT PLAN? yes
12. DOES THE PLOT PLAN INCLUDE A PLAN OF THE LOT OR TOTAL SITE OWNERSHIP DRAWN TO SCALE, BOUNDARIES WITH DIMENSIONS, LOCATIONS OF BUILDINGS OR RESIDENCES, SWIMMING POOLS, RECORDED EASEMENTS, THE PROPOSED SEPTIC SYSTEM, ANY PROPOSED OR EXISTING WELLS, PUBLIC WATER LINES, PAVED AREAS OR DRIVEWAYS, AND SURFACE WATERS SUCH AS LAKES, PONDS, STREAMS, CANALS, OR WETLANDS? yes
13. THERE IS 1800 SQUARE FEET OF AVAILABLE LAND TO INSTALL THE SEPTIC SYSTEM. THIS AREA EXCLUDES INTERFERENCES. SHADE THIS AVAILABLE AREA.

ELEVATIONS

1. CROWN OF ROAD ELEVATION 5.4' SHOW LOCATION ON PLOT PLAN.
IF ROAD IS NOT PAVED, BENCHMARK ELEVATION 5.3' SHOW LOCATION ON PLOT PLAN.
2. NATURAL GRADE ELEVATION IN AREA OF PROPOSED SEPTIC SYSTEM 5.3'
SHOW LOCATION ON PLOT PLAN.
3. IS BUILDING LOCATED IN FLOOD HAZARD AREA "A" OR "V" AS IDENTIFIED ON FEMA MAPS? no IF YES, WHAT IS THE MINIMUM REQUIRED FLOOD HAZARD FLOOR ELEVATION OF BUILDING? _____ NCVD 1929 (ELEVATION OPTIONAL)

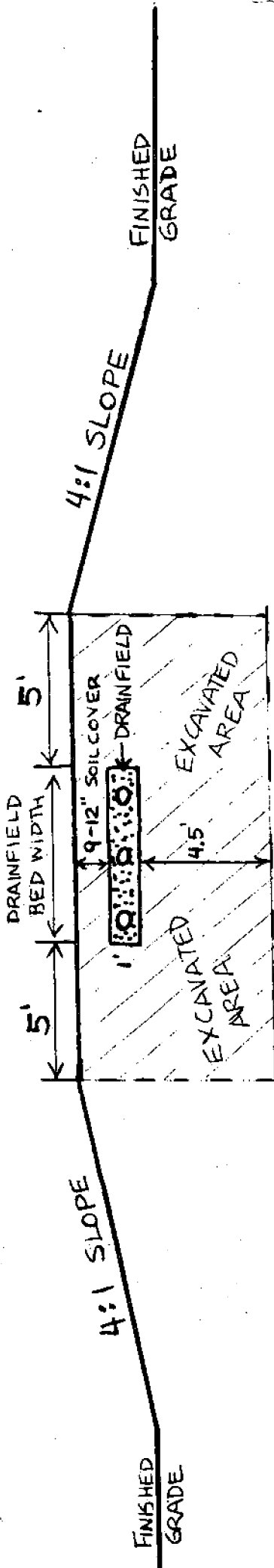
NOTE: MUST BE CERTIFIED BY REGISTERED SURVEYOR OF ENGINEER IN THE STATE OF FLORIDA.

CERTIFIED BY: *Max*
FL. PROFESSIONAL NO: 4015
DATE: 12-17-85 JOB NO: 934-85

SITE DIRECTIONS

ATTACH SITE LOCATION MAP OR EXPLAIN DIRECTION TO SITE BELOW

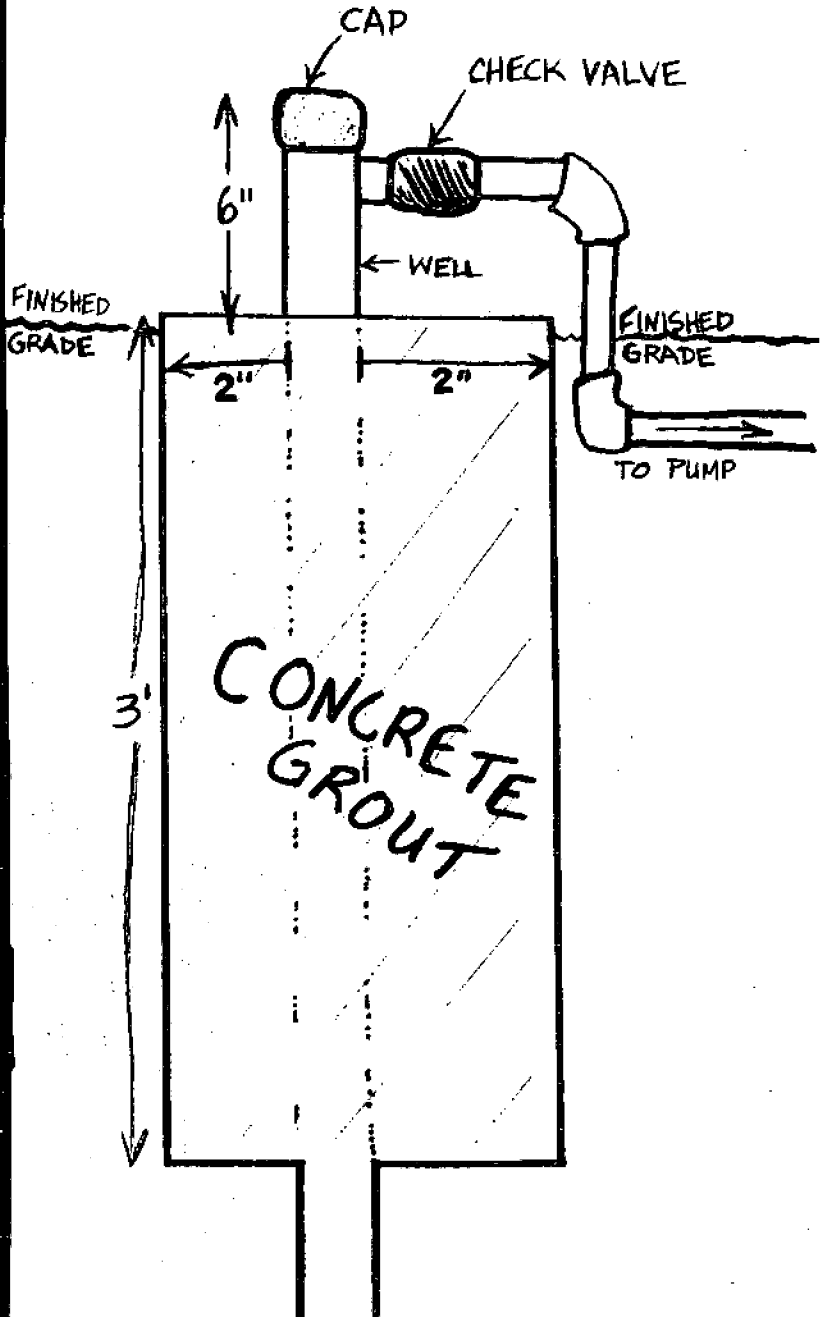
DRAINFIELD MOUND REQUIREMENTS



NOTE: THESE REQUIREMENTS MUST BE MET PRIOR TO FINAL APPROVAL.

WELL REQUIREMENTS

NOTE: ALL WELLS MUST BE GROUTED AT LEAST 2" AROUND WELL CASING TO A DEPTH OF 3'. WELL CASING MUST EXTEND 6" ABOVE FINISHED GRADE AS SHOWN BELOW. NOTE LOCATION OF CHECK VALVE.



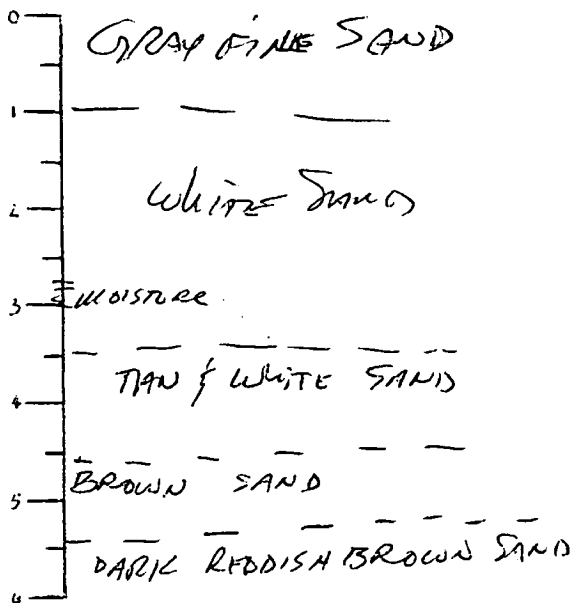
MMC 485

MARTIN COUNTY PUBLIC HEALTH UNIT
131 East 7th Street
Stuart, Florida 33497
287-2277

SITE EVALUATION

APPLICANT: JOHN C. MARQUARDT
LEGAL DESCRIPTION: LOT 1 RIDGELAND (SWUS PT.)

SOIL PROFILE



USDA SOIL TYPE JONATHAN
USDA SOIL NUMBER 41

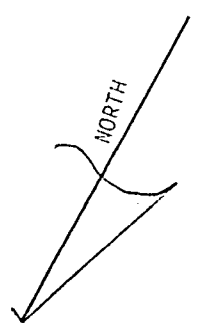
Impervious soils are present at
5.3 feet below natural grade.

PRESENT WATER DEPTH BELOW NATURAL GRADE 2.8 FEET.
WET SEASON RANGE PER SOIL SURVEY 3-5 FEET.
ESTIMATED WET SEASON WATER DEPTH BELOW NATURAL GRADE 3 FEET
INDICATOR VEGETATION PRESENT CABBAGE PALM, LIVE OAK
IS BENCHMARK LOCATED ON PLOT PLAN AND PRESENT ON SITE? YES
APPROXIMATE AMOUNT OF FILL ON NEIGHBORING LOTS 0

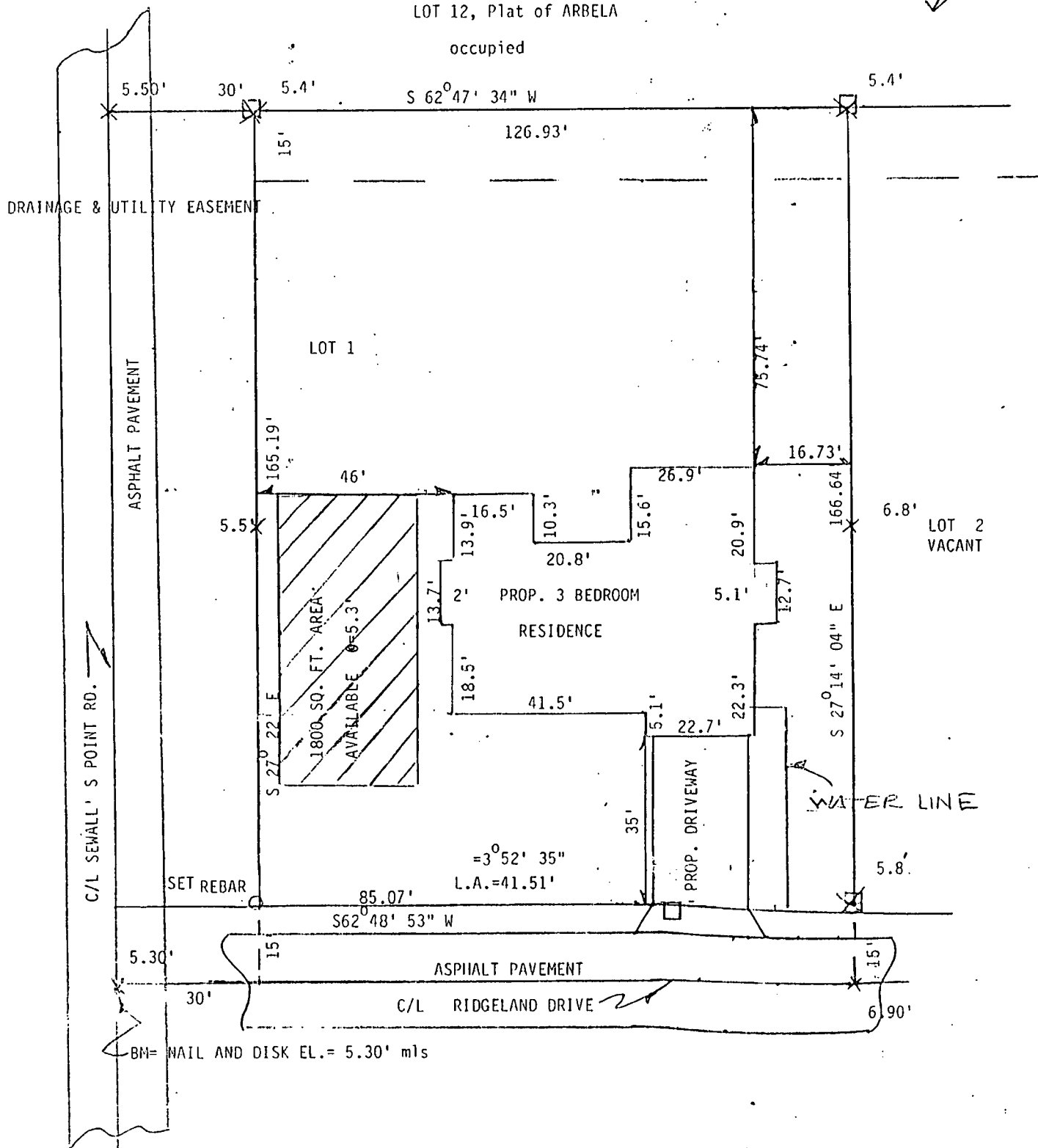
OTHER FINDINGS:

EVALUATION BY: James M. Askowsky
DATE: 12-19-85

LEGAL DESCRIPTION
 LOT 1
 RIDGELAND
 PLAT BOOK 8, PAGE 3
 MARTIN COUNTY, FLORIDA



LOT 12, Plat of ARBELA
 occupied



PUBLIC WATER AVAILABLE

- = 4x4 CONC. MON.
- X = EXISTING GRADES
- = SEPTIC AREA AVAILABLE

I HEREBY CERTIFY That the plat shown hereon is a true and correct representation of a survey of the property described in the caption thereof, made under my direction, and is accurate to the best of my knowledge and belief.

Registered Land Surveyor, Florida Certificate No. 4015

SCALE 1" = 30'
 JOB NO. 934-85
 FIELD BK. NO. misc. -1
 DATE 5-20-85
 REV 12-17-85

AYLOR & EMIG INC.

LAND SURVEYING

5439 CELESTIAL CIRCLE, STUART, FLORIDA 33497

TELEPHONE (305) 287-0664 (305) 684-9542

CHECKED BY GMA
 DRAWN BY CGW
 REFERENCES _____

RESIDENTIAL CALCULATION

FORM 900-A-84

CLIMATE ZONES 7 8 9

COMPONENT			WINTER			SUMMER					
			AREA	x	WPM	=	GROSS WINTER POINTS				
			AREA	x	SPM	=	GROSS SUMMER POINTS				
WALLS	CONCRETE	R 0-2.6			10.9				24.8		
		R 2.7-3.9			6.6				17.5		
		R 4.0-5.9			5.0				15.0		
		R 6.0 & UP			4.4				13.9		
	FRAME OR BRICK VENEER	R 0-10.9			9.6				30.5		
		R 11.0-18.9		1550		2.5		3890		13.9	21628
		R 19-25.9			1.5				8.6		
		R 26 & UP			1.1				6.5		
	COMMON				2.7				3.8		
	DOORS	WOOD OR METAL		50		86.5		4844		55.4	
INSULATED				84.0				22.2			
STORM DOOR				44.6				44.3			
COMMON				21.6				6.9			
CEILING	UNDER ATTIC	R 19-21.9	2300		1.9		4370		8.4		19320
		R 22-29.9			1.7				7.6		
		R 30 & UP			1.5				5.5		
	SINGLE ASSEMBLY NO ATTIC	R 6-7.9			5.4				22.6		
		R 8-9.9			4.0				17.3		
		R 10-11.9			3.5				14.6		
		R 12-18.9			2.5				10.6		
		R 19-21.9			1.9				8.4		
	COMMON				1.7				2.0		
	FLOOR OVER UNCONDITIONED SPACE	WOOD	R 0-6.9			5.8				6.6	
R 7-10.9					2.4				2.9		
R 11-18.9					2.1				2.3		
R 19 & UP					1.4				1.5		
CONCRETE		R 0-2.9			6.8				8.2		
		R 3-5.9			4.3				5.7		
		R 6-10.9			3.4				3.6		
		R 11-18.9			2.3				2.9		
		R 19 & UP			1.5				1.9		
COMMON					1.7				2.0		
SLAB ON GRADE	EDGE INSULATION		PERIMETER		WPM						
	PERIMETER	R 0-2.9	260		28.3		7358				
		R 3-5.9			20.4						
		R 6 & UP			12.4						

20462

44050

WINTER

SUMMER

OR	AREA	SGL	DBL	WOF (9F)	GROSS WINTER POINTS
NE	32	55.4	38.5	1	1773
E		55.4	38.5		
SE	22	55.4	38.5	.70	920
S		55.4	38.5		
SW	54	55.4	38.5	.99	2962
W		55.4	38.5		
NW	64	55.4	38.5	1	3546
H	4	22.6	6.8		90
NE	48	55.4		1	2659
NE	20	55.4		1	1102
SE	44	55.4		.8	1950
SE	25	55.4		1	1385
SW	53	55.4		1	2936
SW	106	55.4		1	5872

OR	AREA	SINGLE		DOUBLE		SOF (9F)	GROSS SUMMER POINTS
		CLR	TINT	CLR	TINT		
N		204	176	163	139		
NE	32	309	263	258	218	.83	7011
E		425	360	362	304		
SE	22	418	354	355	298	.99	7710
S		346	294	287	242		
SW	54	418	354	355	298	.87	10631
W		425	360	362	304		
NW	64	309	263	258	218	.95	16051
H	4	720	605	627	524		2420
NE	48		263			.79	10011
NE	20		263			.76	4015
SE	44		354			.87	13551
SE	25		354			.61	5399
SW	53		354			.66	12383
SW	106		354			.59	22139

H = HORIZONTAL GLASS (SKYLIGHTS).

FOR SC OTHER THAN 0.83 SEE SEC. 902.2(a)5. TINT MULT. MAY BE USED FOR GLASS WITH SOLAR SCREENS, FILM, OR TINT.

TOTAL GROSS WINTER POINTS 45670

TOTAL GROSS SUMMER POINTS 141370

DUCT MULT	R = 4.2-4.9		1.14	
	R = 5.0-6.6		1.12	
	R = 6.7 & UP		1.09	
	DUCTS IN CONDITIONED SPACE	45670	1.00	45670

DUCT MULT	R = 4.2-4.9		1.14	
	R = 5.0-6.6		1.12	
	R = 6.7 & UP		1.09	
	DUCTS IN CONDITIONED SPACE	141370	1.00	141370

HSM FROM 9G 45670 x 1 = 45670

CSM FROM 9H 141370 x .70 = 122641

DIVIDE BY CONDITIONED FLOOR AREA 45670 ÷ 2300 = 19.8 WINTER POINTS

DIVIDE BY CONDITIONED FLOOR AREA 122641 ÷ 2300 = 53.3 SUMMER POINTS

CALCULATE ENERGY PERFORMANCE INDEX

WINTER POINTS	SUMMER POINTS	HOT WATER PTS. (9I)	E.P.I. SUBTOTAL	ADJUSTMENT MULTI. (9B)	ADJUSTED E.P.I.	CREDIT PTS. (9C + 9D)	PENALTY PTS. (9E)	CALCULATED E.P.I.
19.8	53.3	0	73.1	1.4	102.3	11	3	94.3

THE CALCULATED E.P.I. MUST BE EQUAL TO OR LESS THAN 100 POINTS.

9B ADJUSTMENT MULTIPLIERS

CONDITIONED FLOOR AREA (SQ. FT.)	0-900	901-1100	1101-1300	1301-1500	1501-1700	1701-1900	1901-2100	2101-2300	2301-ABOVE
ADJUSTMENT MULTIPLIER	1.03	1.07	1.11	1.16	1.21	1.27	1.33	1.40	1.47

9C DESIGN CREDIT POINTS (CP)			
CEILING FAN IN COND SPACE (max 5 CP)	1	5	
MULTIZONE A/C SEPARATED BY DOOR	5		
CROSS VENTILATION (1 CP per room)	1	6	
WHOLE HOUSE FAN (min. 1.5 cfm/s.f.)	5		
WOOD STOVE	2		
FIREPLACE WITH OUTSIDE COMBUSTION AIR	2		
9C TOTAL (not to exceed 12 points)			11

9D HEATING SYSTEM CREDIT POINTS	
NATURAL GAS/PROPANE HEATING	8.0
OIL HEATING	6.4

9E DESIGN PENALTY POINTS	
WASHER AND DRYER IN COND SPACE	3
TOTAL GLASS OPENS LESS THAN 40%	5
FIREPLACE WITH INSIDE COMBUSTION AIR	5

9F WINTER OVERHANG FACTOR (WOF)									
FEET	N	NE	E	SE	S	SW	W	NW	
0-0.9	1.00	0.99	0.85	0.75	0.83	0.98	1.00	1.00	
1-1.9	1.00	0.99	0.85	0.76	0.84	0.98	1.00	1.00	
2-2.9	1.00	0.99	0.86	0.77	0.86	0.99	1.00	1.00	
3-3.9	1.00	0.99	0.87	0.80	0.87	0.99	1.00	1.00	
4-4.9	1.00	0.99	0.89	0.83	0.90	0.99	1.00	1.00	
5-5.9	1.00	0.99	0.91	0.86	0.92	1.00	1.00	1.00	
6-6.9	1.00	0.99	0.92	0.90	0.94	1.00	1.00	1.00	
7-7.9	1.00	1.00	0.94	0.92	0.96	1.00	1.00	1.00	
8-8.9	1.00	1.00	0.96	0.95	0.97	1.00	1.00	1.00	
9-9.9	1.00	1.00	0.97	0.97	0.98	1.00	1.00	1.00	
10-10.9	1.00	1.00	0.98	0.98	0.99	1.00	1.00	1.00	
11-11.9	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
12 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	
0-0.9	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
1-1.9	1.00	1.00	0.99	0.99	0.98	0.99	0.99	1.00	
2-2.9	1.00	0.98	0.95	0.93	0.92	0.93	0.95	0.98	
3-3.9	1.00	0.95	0.89	0.87	0.86	0.87	0.89	0.95	
4-4.9	1.00	0.91	0.84	0.81	0.80	0.81	0.84	0.91	
5-5.9	0.99	0.88	0.80	0.76	0.76	0.76	0.80	0.88	
6-6.9	0.99	0.85	0.76	0.72	0.72	0.72	0.76	0.85	
7-7.9	0.99	0.83	0.72	0.68	0.70	0.68	0.72	0.83	
8-8.9	0.98	0.81	0.69	0.66	0.68	0.66	0.69	0.81	
9-9.9	0.98	0.79	0.67	0.64	0.66	0.64	0.67	0.79	
10-10.9	0.98	0.78	0.65	0.62	0.65	0.62	0.65	0.78	
11-11.9	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	

9G HEATING SYSTEM MULTIPLIER (HSM)							
HEAT PUMP	COP	2.5-2.6	2.7-2.8	2.9-3.0	3.1-3.2	3.3-3.4	3.5 & UP
	HSM	.40	.37	.34	.32	.30	.29
SOLAR HEATING SYSTEM	(BACKUP SYSTEM FRACTION) x (BACKUP SYSTEM HSM)						
ELECTRIC STRIP HEAT	1.0						
NATURAL GAS/PROPANE/OIL	1.0 (SEE TABLE 9D FOR CREDITS)						
PTAC & ROOM HEAT PUMPS	MINIMUM COP 2.2. HSM FOR COP 2.2 - 2.4 = .45. SEE TABLE ABOVE FOR COP > 2.4						

9H COOLING SYSTEM MULTIPLIER (CSM)										
ELECTRIC	EER/SEER	7.8-7.9	8.0-8.4	8.5-8.9	9.0-9.4	9.5-9.9	10.0-10.4	10.5-10.9	11.0-11.9	12.0-UP
	CSM	.83	.81	0.76	0.72	0.68	0.65	0.62	0.59	0.54
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	0.89		
MINIMUM SEER/EER LEVEL 7.8 FOR STRAIGHT COOL OR HEAT PUMPS; MINIMUM OF 7.5 EER FOR ROOM UNITS AND PTAC. FOR ROOM UNITS AND PTAC, CSM FOR EER 7.5 - 7.7 = .87. SEE TABLE ABOVE FOR EER > 7.7.										

9I HOT WATER CREDIT POINTS (HWCP)													
ELECTRIC RESISTANCE WATER HEATER												0	
GAS WATER HEATER												10	
INSTANTANEOUS WATER HEATER	ELECTRIC											4.5	
	GAS											12.6	
HRU (A/C) WATER HEATER	ELECTRIC BACKUP											8.9	
	GAS BACKUP											15.2	
HRU (HP) WATER HEATER	ELECTRIC BACKUP											9.7	
	GAS BACKUP											15.4	
HEAT PUMP WATER HEATER (DEDICATED HEAT PUMP)	COP		1.60-1.89	1.90-2.19	2.20-2.49	2.50-2.79	2.80-3.00						
	CREDIT POINTS		9.0	11.4	13.1	14.4	15.4						
SOLAR HOT WATER	OVERALL SOLAR FRACTION*		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
	CREDIT POINTS	ELECTRIC BACKUP		2.4	4.8	7.2	9.6	12.0	14.4	16.8	19.2	21.6	24.0
		GAS BACKUP		11.4	12.8	14.2	15.6	17.0	18.8	19.8	21.2	22.8	24.0
* PERCENT OF ANNUAL HOT WATER PROVIDED BY SOLAR SYSTEM ÷ 100 = OVERALL SOLAR FRACTION													

HENRIKSEN ENGINEERING, INC.

STUART TESTING LABS, INC.

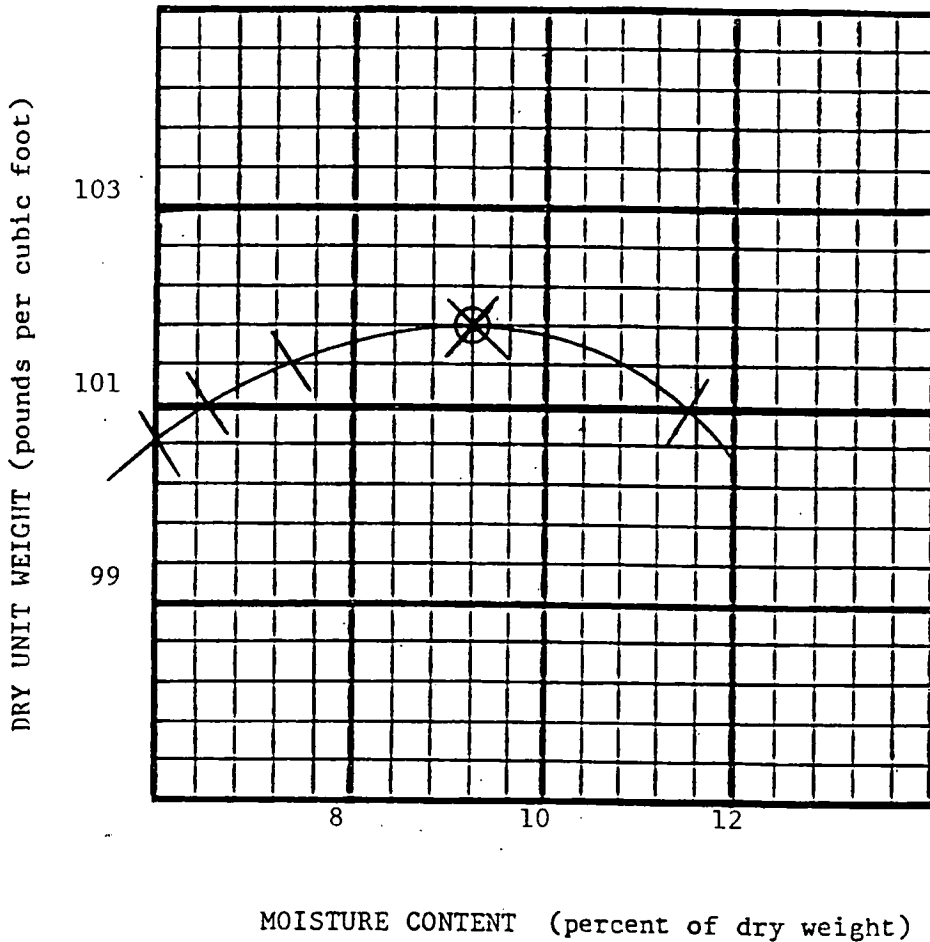
Consultants in Soil Mechanics, Foundations and Geotechnical Engineering.
Materials Testing and Inspections: Soils—Concrete—Asphalt—Steel.

2760 SE Fairmont Street, Stuart, Florida 33494, (305) 286-6124/(305) 286-6047

SOIL COMPACTION TEST GRAPH

PROJECT Lot 1 JOB/CLIENT NO. 300-1088
LOCATION Sewalls Point, Ridgeland DATE March 4, 1986
CLIENT Sun Country Construction REPORT NO. 1
TYPE OF SOIL Gray Medium Sand TYPE OF PROCTOR T-180
MAXIMUM DENSITY OF MATERIAL 101.8 p.f.c. OPTIMUM MOISTURE 9.2

PADFILL NATURAL GROUND



LAB TECHNICIAN TW
PLOTTED BY BJ
CHECKED BY CH

APPROVED BY Carl H.D. Henriksen
Carl H.D. Henriksen, P.E.

HENRIKSEN ENGINEERING, INC.

STUART TESTING LABS, INC.

Consultants in Soil Mechanics, Foundations and Geotechnical Engineering.

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2760 SE Fairmont Street, Stuart, Florida 33494, (305) 286-6124/(305) 286-6047

SOILS INSPECTION

PROJECT Lot 1 JOB/CLIENT NO. 300-1088
LOCATION Sewalls Point, Ridgeland REPORT NO. 2
CLIENT Sun Country Construction DATE March 4, 1986
TYPE OF FILL Gray Medium Sand
METHOD OF COMPACTION Tamp TYPE OF PROCTOR T-180
MAXIMUM DENSITY OF MATERIAL 101.8 DENSITY REQUIRED 95%

LOCATIONS AND RESULTS OF TESTS

TEST NUMBER	TEST LOCATION	DEPTH BELOW FINISHED GRADE	PERCENT MOISTURE	PERCENT COMPACTION
1	Center of the east footing	0-1'	2.9	100.4
2	Center of the south footing	0-1'	2.4	100.9
3	Center of the west footing	0-1'	4.5	101.0
4	Center of the north footing	0-1'	2.3	100.4

REMARKS _____

FIELD TECHNICIAN BJ

APPROVED BY: Carl H.D. Henriksen
Carl H.D. Henriksen, P.E.

1891

HENRIKSEN ENGINEERING, INC.

STUART TESTING LABS, INC.

Consultants in Soil Mechanics, Foundations and Geotechnical Engineering.

Materials Testing and Inspections: Soils—Concrete—Asphalt—Steel.

8390 Currency Drive, Riviera Beach, Florida 33404, (305) 842-1422

SOILS INSPECTION

PROJECT Lot 1 Ridgeland JOB/CLIENT NO. 300-1088
 LOCATION Sewalls Point REPORT NO. 3
 CLIENT Sun Country Construction DATE March 18, 1986
 TYPE OF FILL Brown Medium Sand
 METHOD OF COMPACTION VIB Roller TYPE OF PROCTOR T-180
 MAXIMUM DENSITY OF MATERIAL 110.0 DENSITY REQUIRED 95%

LOCATIONS AND RESULTS OF TESTS

TEST NUMBER	TEST LOCATION	DEPTH BELOW FINISHED GRADE	PERCENT MOISTURE	PERCENT COMPACTION
1	Center of building	2-3'	10.3	101.0

REMARKS: _____

FIELD TECHNICIAN BJ

APPROVED BY

Carl H.D. Henriksen
Carl H.D. Henriksen, P.E.

HENRIKSEN ENGINEERING, INC.

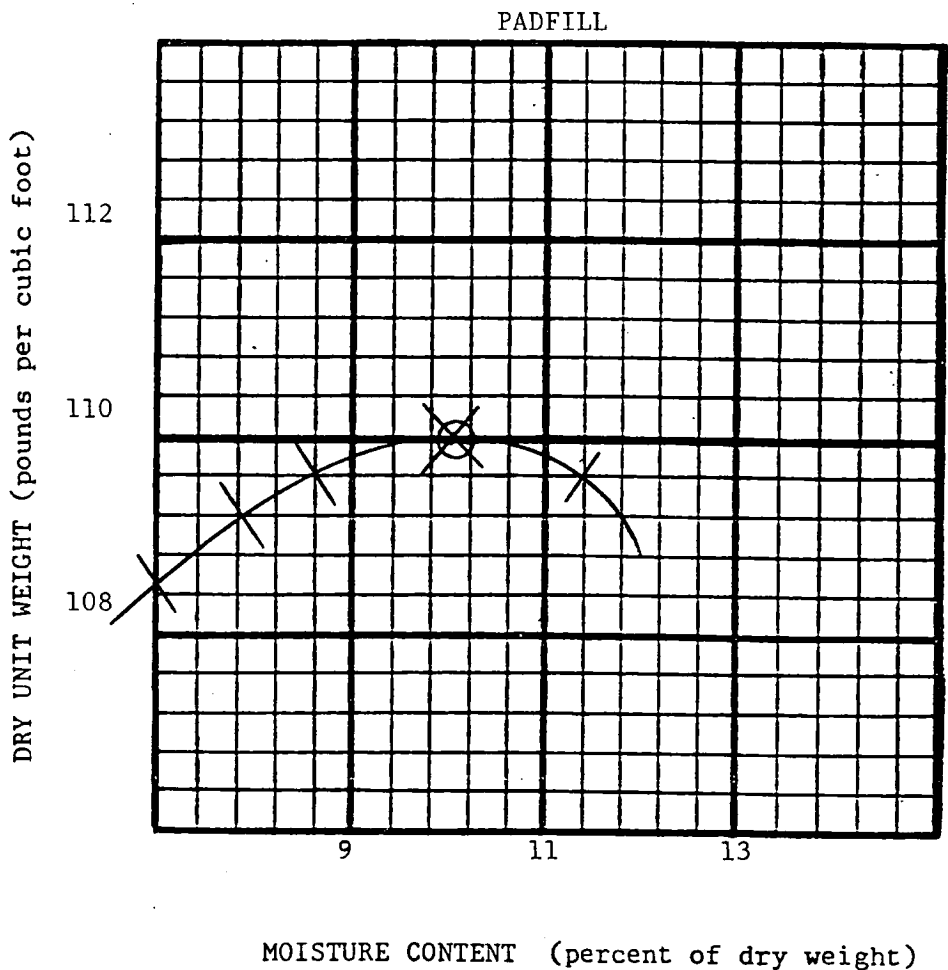
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Materials Testing and Inspections: Soils—Concrete—Asphalt—Steel.

2760 SE Fairmont Street, Stuart, Florida 33494, (305) 286-6124/(305) 286-6047

SOIL COMPACTION TEST GRAPH

PROJECT Lot 1 Ridgeland JOB/CLIENT NO. 300-1088
LOCATION Sewalls Point DATE March 19, 1986
CLIENT Sun Country Construction REPORT NO. 4
TYPE OF SOIL Brown Medium Sand with Marl TYPE OF PROCTOR T-180
MAXIMUM DENSITY OF MATERIAL 110.0 p.f.c. OPTIMUM MOISTURE 10.0



LAB TECHNICIAN TW
PLOTTED BY BJ
CHECKED BY CH

APPROVED BY Carl H.D. Henriksen
Carl H.D. Henriksen, P.E.

HENRIKSEN ENGINEERING, INC.

STUART TESTING LABS, INC.

Consultants in Soil Mechanics, Foundations and Geotechnical Engineering.
Materials Testing and Inspections: Soils—Concrete—Asphalt—Steel.

1891

2760 SE Fairmont Street, Stuart, Florida 33494, (305) 286-6124/(305) 286-6047

SOILS INSPECTION

PROJECT Lot 1 Ridgeland JOB/CLIENT NO. 300-1088
 LOCATION Sewalls Point REPORT NO. 5
 CLIENT Suncountry DATE March 27, 1986
 TYPE OF FILL brown medium sand with marl
 METHOD OF COMPACTION vib roller TYPE OF PROCTOR T-180
 MAXIMUM DENSITY OF MATERIAL 110.0 DENSITY REQUIRED 95%

LOCATIONS AND RESULTS OF TESTS

TEST NUMBER	TEST LOCATION	DEPTH BELOW FINISHED GRADE	PERCENT MOISTURE	PERCENT COMPACTION
1	Northeast corner of back porch	0-1'	10.3	95.3
2	Southeast corner of back porch	0-1'	7.2	101.0
3	Center of building east side	0-1'	13.1	95.5
4	Center of building	1-2'	11.1	100.2

REMARKS _____

FIELD TECHNICIAN BJ

APPROVED BY: Carl H.D. Henriksen
Carl H.D. Henriksen P.E.

OWNER'S AFFIDAVIT OF BUILDING COSTS

1891

STATE OF FLORIDA
COUNTY OF MARTIN

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

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

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

3. That the total cost paid or to be paid by the owner for the complete construction of the improvements under the building permit(s), including the cost of all improvements shown on the plans and specifications filed with the Town and all machinery and equipment not shown thereon required to be installed as a condition for a certificate of occupancy under state and local law, is \$ 92,000.

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

Calvin Thomas
Affiant
Property street address
53 S. Sewall Point Road

Sworn to and subscribed
before me this 2nd day of
June, 1986.

Marianne Campbell
Notary Public
STATE OF FLORIDA AT LARGE
My Commission Expires:

(NOTARY SEAL)

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP. MAY 16, 1989
BONDED THRU GENERAL INS. UND.

95.00

Handwritten signature

23 2. 2000



1891

RECORD OF INSPECTIONS

TOWN OF SEWALL'S POINT, FLORIDA

CERTIFICATE OF APPROVAL FOR OCCUPANCY

Date 6/25/86

This is to request that a Certificate of Approval for Occupancy be issued to _____
For property built under Permit No. 1891 Dated 2/20/86 when completed in
conformance with the Approved Plans.

Item		Signed	Approved by
1. LOT STAKES/SET BACKS	<u>AS 6/25</u>		
2. TERMITE PROTECTION	<u>1/2/86</u>		
3. FOOTING - SLAB	<u>4/2/86 / 3/7/86</u>		
4. ROUGH PLUMBING	<u>3/28/86</u>		
5. ROUGH ELECTRIC	<u>5/9/86</u>		
6. LINTEL	<u>3/14/86</u>		
7. ROOF	<u>AS 6/25</u>		
8. FRAMING	<u>5/9/86</u>		
9. INSULATION	<u>5/13/86</u>		
10. A/C DUCTS	<u>AS 6/25</u>		
11. FINAL ELECTRIC	<u>DB 4/25/86</u>		
12. FINAL PLUMBING	<u>DB 4/25/86</u>		
13. FINAL CONSTRUCTION	<u>DB 4/25/86</u>		

Final Inspection for Issuance of Certificate for Occupancy.

Approved by Building Inspector Dale Brown date _____

Approved by Building Commissioner AC Strubel date 6/26

Utilities notified 6/25/86 FPL date _____

Original Copy sent to _____

(Keep carbon copy for Town files)

1989

FENCE

1989

TOWN OF SEWALL'S POINT, FLORIDA

Permit Number _____

Date AUG. 25, 1986

APPLICATION FOR A PERMIT TO BUILD A DOCK, FENCE POOL, SOLAR HEARING 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 CLARK T. DONLIN Present Address 53 SO. SEWALLS PT. RD.

Phone 288-

Contractor SELF Address ibid.

Phone _____

Where licensed _____ License number _____

Electrical contractor _____ License number _____

Plumbing contractor _____ License number _____

Roofing contractor _____ License number _____

Air conditioning contractor _____ License number _____

Describe the structure, or addition or alteration to an existing structure, for which this permit is sought: 8 SECT. 10' ea. corners, SPLIT RAIL FENCE @ PROP. CORNERS
53 SO. SEWALLS PT. RD. AS PER ATTACHED PLAN.

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

Subdivision REDFIELD Lot number 1 Block number _____

~~Contract~~ price \$ CIRC. 160.00 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, the State of Florida Model Energy Efficiency Building Code 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 [Signature]

TOWN RECORD

Date submitted _____ Approved _____
Building Inspector _____ Date _____

Approved _____ Final Approval given _____
Commissioner _____ Date _____ Date _____

Certificate of Occupancy issued (if applicable) _____
Date _____

DESCRIPTION:

LOT 1, RIDGELAND, AS RECORDED IN PLAT BOOK 8, PAGE 3, PUBLIC RECORDS OF MARTIN COUNTY, FLORIDA. SUBJECT TO ANY APPLICABLE EASEMENTS, RIGHTS-OF-WAY, OR OTHER RESTRICTIONS OF RECORD.

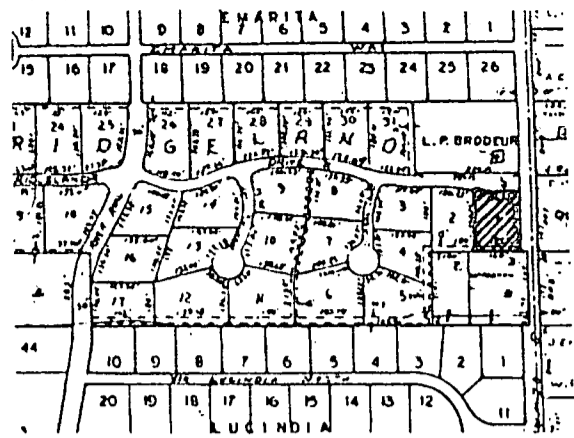
CERTIFIED TO CLARK DONLIN, GLENDALE FEDERAL SAVINGS AND LOAN ASSOCIATION, AND SUN COUNTRY CONSTRUCTION, INC.

THIS SURVEY IS CERTIFIED TO COMPLY WITH THE TECHNICAL STANDARDS AS PRESCRIBED IN CHAPTER 21HH-6, F.A.C.

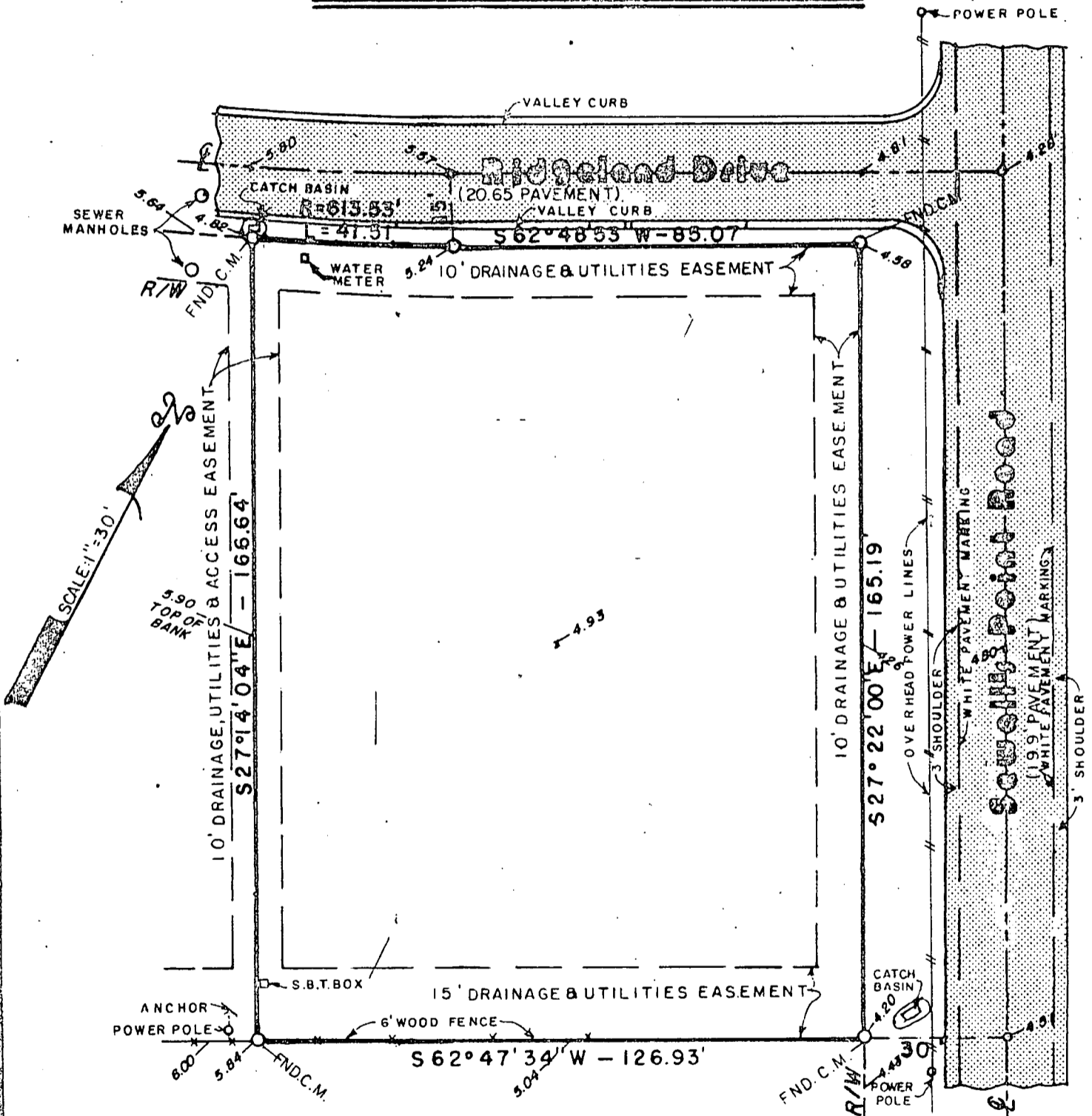
ELEVATIONS SHOWN HEREON ARE RELATED TO N.G.V.D. OF 1929.

PROPERTY LIES IN FLOOD ZONE "A-10".

VICINITY MAP



BOUNDARY SURVEY MAP



BETHAM ASSOCIATES

ENGINEERS • PLANNERS • SURVEYORS

921 NORTHEAST COMMERCIAL STREET JENSEN BEACH, FLORIDA 33457
(305) 334-1800 465-6380

Drawn By: RAY

Date: 2-2-86

Revised:

Order Number: 86-065

Plat Book 8

NOTE: THE SURVEY SHOWN HEREON COMPLIES WITH THE MINIMUM REQUIREMENTS FOR LAND SURVEYS MADE FOR TITLE PURPOSES IN FLORIDA, AS DEVELOPED AND ADOPTED BY THE F.S.P.L.S. AND THE F.L.T.A. A SEARCH OF THE PUBLIC RECORDS HAS NOT BEEN MADE BY THIS OFFICE.

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

Page 3

Field Book 48A

Scale 1" = 30'

PROFESSIONAL LAND SURVEYOR
FLORIDA CERTIFICATE NO. 319

2014

POOL

&

PATIO

2014

TOWN OF SEWALL'S POINT, FLORIDA

Permit Number _____

Date 10.3.86

APPLICATION FOR A PERMIT TO BUILD A DOCK, FENCE, POOL, SOLAR HEARING 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 CLARK T. DONLIN Present Address 53 S SEWALLS PARK

Phone 288-2191 SEWALLS PL.

Contractor ADAM'S DESIGNER POOLS, INC. Address 302 MELTON DR.

Phone 464-8000 FT. PIERCE, FL.

Where licensed STATE OF FL. License number RP-0047199

Electrical contractor JOE'S ELECTRIC License number 0001922

Plumbing contractor _____ License number _____

Roofing contractor _____ License number _____

Air conditioning contractor _____ License number _____

Describe the structure, or addition or alteration to an existing structure, for which this permit is sought: SWIMMING POOL & PATIO

State the street address at which the structure will be built: 53 S. SEWALLS PARK RD.

Subdivision RIDGELAND Lot number 7 Block number _____

Contract price\$ 8893⁰⁰ 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, the State of Florida Model Energy Efficiency Building Code 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]
GENE ADAMS - PRES.

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

Owner [Signature]

TOWN RECORD

Date submitted _____ Approved _____
Building Inspector Date

Approved _____ Final Approval given _____
Commissioner Date Date

Certificate of Occupancy issued (if applicable) _____
Date

DESCRIPTION:

LOT 1, RIDGELAND, AS RECORDED IN PLAT BOOK 8, PAGE 3, PUBLIC RECORDS OF MARTIN COUNTY, FLORIDA. SUBJECT TO ANY APPLICABLE EASEMENTS, RIGHTS-OF-WAY, OR OTHER RESTRICTIONS OF RECORD.

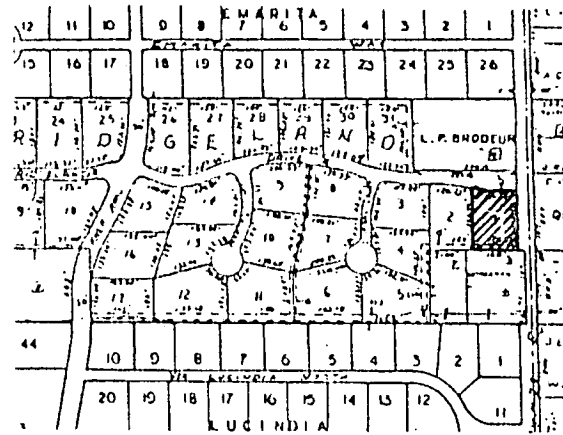
CERTIFIED TO CLARK DONLIN, GLENDALE FEDERAL SAVINGS AND LOAN ASSOCIATION, AND SUN COUNTRY CONSTRUCTION, INC.

THIS SURVEY IS CERTIFIED TO COMPLY WITH THE TECHNICAL STANDARDS AS PRESCRIBED IN CHAPTER 21HH-6, F.A.C.

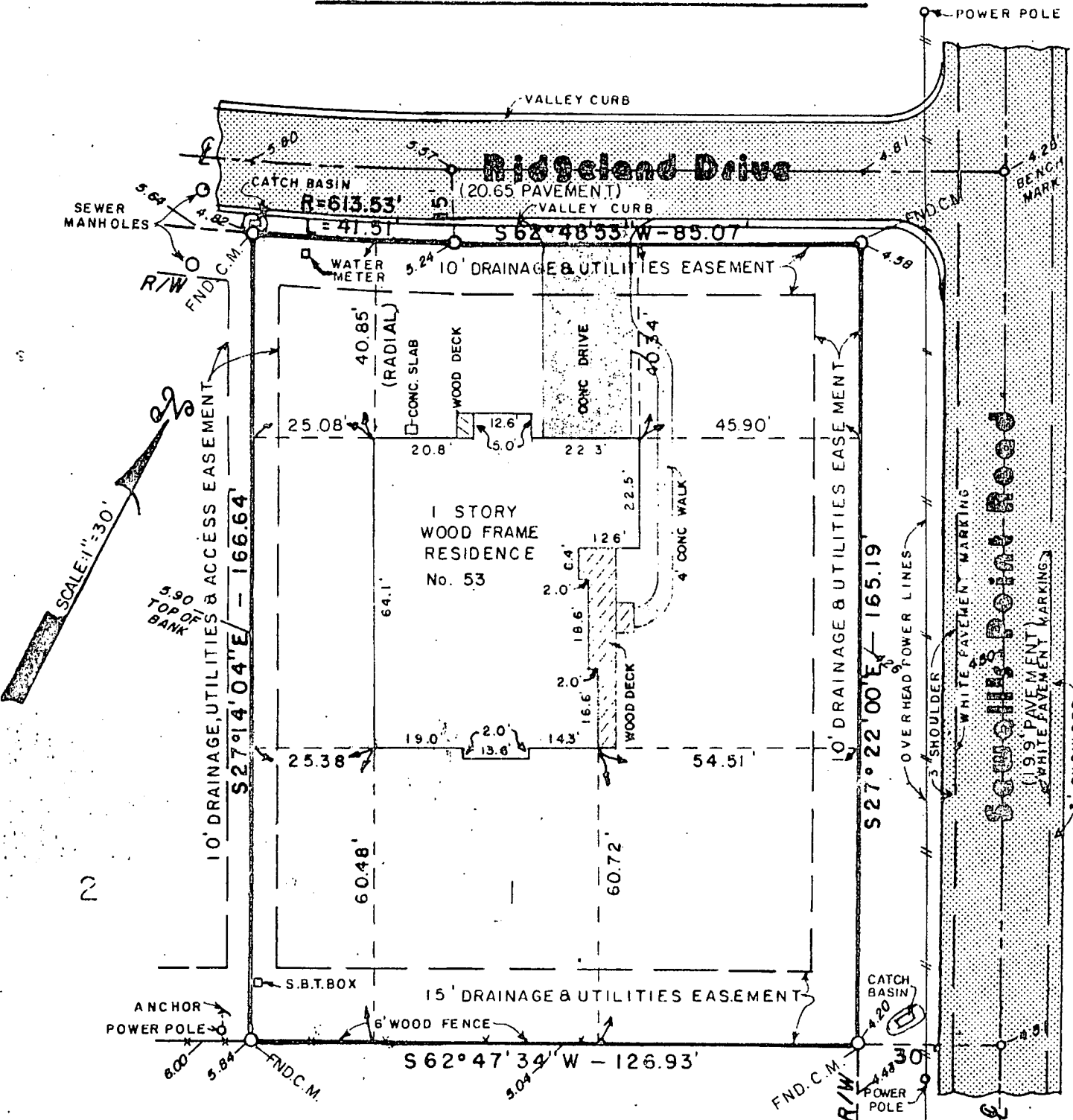
ELEVATIONS SHOWN HEREON ARE RELATED TO N.G.V.D. OF 1929.

PROPERTY LIES IN FLOOD ZONE "A-10".

VICINITY MAP



BOUNDARY SURVEY MAP



BETHAM ASSOCIATES

ENGINEERS · PLANNERS · SURVEYORS
 921 NORTHEAST COMMERCIAL STREET JENSEN BEACH, FLORIDA 33457
 (305) 334-1800 465-6380

NOTE: THE SURVEY SHOWN HEREON COMPLIES WITH THE MINIMUM REQUIREMENTS FOR LAND SURVEYS MADE FOR TITLE PURPOSES IN FLORIDA, AS DEVELOPED AND ADOPTED BY THE F.S.P.L.S. AND THE F.L.T.A. A SEARCH OF THE PUBLIC RECORDS HAS NOT BEEN MADE BY THIS OFFICE.

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

Drawn By: RAY
 Date: 2-2-86
 Revised: 7-7-86
 Order Number: 86-065
 Plat Book 8

Page 3
 Field Book 48A

Scale 1" = 30'

[Signature]
 PROFESSIONAL LAND SURVEYOR
 FLORIDA CERTIFICATE NO. 3199

2145

PUMP HOUSE

Permit No. _____

Date _____

2145

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 CLARK T. DONLIN Present Address 53 So. SEWALL'S PT. RD.

Phone 288-2191

Contractor SELF 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: FRAME BLDG. 8'x6' TO ENCLOSE EXISTING

SWIMMING POOL FILTER and PUMP ON EXISTING REINFORCED SLAB

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

53 So. SEWALL'S POINT ROAD

Subdivision RIDGELAND # 1 Lot number _____ Block number _____

Contract price \$ 500.00 Cost of permit \$ _____

Plans approved as submitted _____ Plans approved as marked _____

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

Contractor Clark T. Donlin

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 Clark T. Donlin

TOWN RECORD

Date submitted _____

Approved: Dale Brown 4/8/87
Building Inspector Date

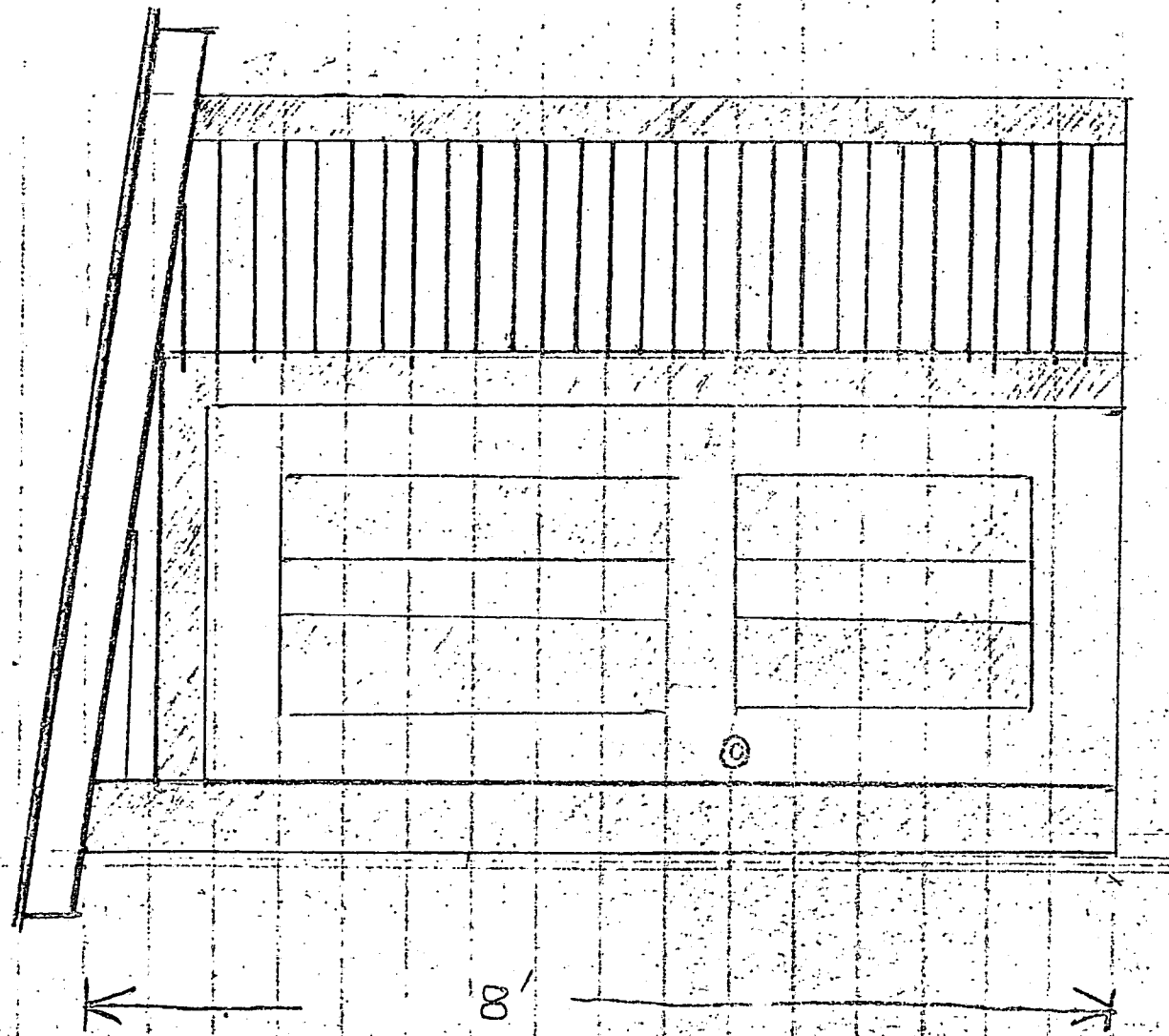
Approved: _____ Commissioner Date Final Approval given: _____ Date

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.



2026

SCREEN

ENCLOSURE

2026

TOWN OF SEWALL'S POINT, FLORIDA

Permit Number _____

Date 10-30-96

APPLICATION FOR A PERMIT TO BUILD A DOCK, FENCE, POOL, SOLAR HEARING 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 MR+MRS PONTIN Present Address SAME

Phone 288 2191

Contractor PIONEER SCREENING INC Address 3101 S.E. WALKER STREET

Phone 283-9177

Where licensed MARTIN COUNTY License number 00409

Electrical contractor _____ License number _____

Plumbing contractor _____ License number _____

Roofing contractor _____ License number _____

Air conditioning contractor _____ License number _____

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

SCREEN ENCLOSURE FOR POOL

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

53.5 SEWALLS PT ROAD

Subdivision SEWALLS PT. Lot number _____ Block number _____

Contract price \$ 2,600.00 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, the State of Florida Model Energy Efficiency Building Code 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

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

Owner _____

TOWN RECORD

Date submitted _____ Approved Dale Brown
Building Inspector Date

Approved _____ Final Approval given _____
Commissioner Date Date

Certificate of Occupancy issued (if applicable) _____
Date

2145

PUMP HOUSE

6887

REROOF

MASTER PERMIT NO. _____

TOWN OF SEWALL'S POINT

Date 9/16/04

BUILDING PERMIT NO. 6887

Building to be erected for GESSER Type of Permit REEROOF

Applied for by PACIFIC ROOFING (Contractor) Building Fee _____

Subdivision RIDGELAND Lot 1 Block _____ Radon Fee _____

Address 53 S. SEWALL'S PT RD Impact Fee STORM

Type of structure SFR A/C Fee DAMAGE

Parcel Control Number: _____ Electrical Fee _____

138410110000001070000 Plumbing Fee _____

Amount Paid 0 Check # - Cash _____ Other Fees (_____) _____

Total Construction Cost \$ 22,000. Roofing Fee _____

Signed Kim Austin Signed Gene Summers (RMB)

Applicant

Town Building Official

PERMIT

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

INSPECTIONS

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

Date: 9/11/04

Permit Number: _____

Town of Sewall's Point BUILDING PERMIT APPLICATION

OWNER/TITLEHOLDER NAME: CAROL GESSER Phone (Day) 221-8357 (Fax) _____

Job Site Address: 53 S. SEWALLS POINT ROAD City: STUART State: FL Zip: 34996

Legal Desc. Property (Subd/Lot/Block) RIDGELAND Lot 1 Parcel Number: 013841011000000107

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

Description of Work To Be Done: RE-ROOF SHINGLE TO METAL

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

CONTRACTOR/Company: PACIFIC ROOFING Phone: 283-7663 Fax: 283-9905

Street: P.O. BOX 2697 City: STUART State: FL Zip: 34999

State Registration Number: _____ State Certification Number: C-CC056793 Martin County License Number: _____

COST AND VALUES: Estimated Cost of Construction or Improvements: \$ 22,000 (Notice of Commencement needed over \$2500)

SUBCONTRACTOR INFORMATION:

Electrical: _____ State: _____ License Number: _____

Mechanical: _____ State: _____ License Number: _____

Plumbing: _____ State: _____ License Number: _____

Roofing: PACIFIC ROOFING State: FL License Number: C-CC056793

ARCHITECT _____ Phone Number: _____

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

ENGINEER _____ Phone Number: _____

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

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

Carport: _____ Total Under Roof 5,200 s.f. Wood Deck: _____ Accessory Building: _____

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

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

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

OWNER OR AGENT SIGNATURE (required)
Carol Gesser

State of Florida, County of: MARTIN

This the 11 day of September, 2004

by CAROL GESSER who is personally
known to me or produced
as identification. [Signature]

Notary Public

My Commission Expires: _____

CONTRACTOR SIGNATURE (required)
[Signature]

On State of Florida, County of: MARTIN

This the 11 day of September, 2004

by RICHARD J. GOMEZ who is personally
known to me or produced
As identification. [Signature]

Notary Public

My Commission Expires: _____

PRODUCT CONTROL NOTICE OF ACCEPTANCE

J.M. Metals
1505 Cox Road
Cocoa FL 32926

METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1600
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-1923

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-1323

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-1323

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 375-1319

Your application for Notice of Acceptance (NOA) of:
JM "SV" Crimp Architectural Metal Roof System
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0622.02
EXPIRES: 08/16/2006
PACIFIC ROOFING CORPORATION
808 SE DIXIE HIGHWAY
STUART, FLORIDA 34994-3803
Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET. SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana

WARNING

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF THE CONTRACTOR BY J.M. METALS. IT IS INTENDED FOR SPECIFIC USE BY J.M. METALS, AND ITS AUTHORIZED DEALERS ONLY, WHEN PROVIDED TO J.M. METALS PRODUCTS, CALCULATIONS, AND APPROVALS CONTAINED HEREIN, AND IS ONLY VALID WHEN USED IN CONJUNCTION WITH CERTIFIED J.M. METALS MATERIAL. OTHER PRODUCTS MAY NOT PERFORM THE SAME, AND ARE SPECIFICALLY OMITTED FROM COVERAGE FROM THIS DOCUMENT AND WARRANTIES AVAILABLE THRU J.M. METALS.
ONLY TRUE CERTIFIED COPIES OF THIS DOCUMENT BEAR THE RAISED SEAL OF J. MILA ENTERPRISES, INC. (THE PARENT COMPANY OF J.M. METALS)

APPROVED: 08/16/2006

Francisco J. Quintana, R.A.

Director
Miami-Dade County
Building Code Compliance Office


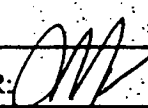
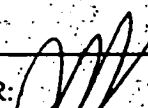



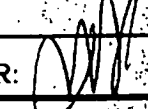
FILE COPY
TOWN OF SEWALL'S POINT
THESE PLANS HAVE BEEN
REVIEWED FOR CODE COMPLIANCE
DATE: 9/14/04
Gene Simmons
BUILDING OFFICIAL
Gene Simmons

\\s0450001\pc2000\templates\notice acceptance cover page.doc

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri JANUARY 12, 2005 Page 1 of

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7147	DAYTON 14 PALM COURT PARKS	STRAPPING	PASS	INSPECTOR: 
7166	JAVORSKY ^{JAVORSKY} 4 PINEAPPLE LANE 01B	ROOF - IN PROGRESS	PASS	INSPECTOR: 
6544	LANCASTER 8 PINEAPPLE LANE 6 MASTERPIECE	FRAMING PLUMBING ROUGH PT ROUGH A/C ELEC ROUGH	FAIL PASS PASS FAIL	INSPECTOR: 
8	THOMPSON 179 S. RIVER RD.	ROOF - * SUNKEN	DONE AGREED W/ HERR ROOF PROBLEM	* WANTS OPINION IF IT IS AN EMERGENCY REPAIR (SPOKE W/ LAURA ON FRI.) INSPECTOR: 
6994	GIACHINO 9 63 S. RIVER RD.	DOCK - FINAL	FAIL	NO PLANS / PERMIT ON JOBSITE INSPECTOR: 
7054	TAPPER 5 22 ISLAND RD WINCH.P	TEMP POLE	PASS	INSPECTOR: 
6887	GESSEK 12A 53 S. Sewall's Pt	TIN TAG METAL	PASS	INSPECTOR: 
OTHER: _____				

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri 4/13, 20015 Page 1 of

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7470	GARVIN	Dry-IN	PASS	
2A	109 Hillcrest Dr FASTAG ROOFING			INSPECTOR:
6887	GESSER	FINAL ROOF	PASS	CLOSE
12	53 S. SEWALL'S PACIFIC R			INSPECTOR:
7438	MILLARD	FINAL BED DRY WALL	PASS	CLOSE
15	5 INDIALUCIE PKWY O/B	FLORIDA ROOM		INSPECTOR:
7367	Lucas	Final re-roof	PASS	CLOSE
6	1 Mandalay Road Latitude 27 Probing			INSPECTOR:
7346	Siegel	Final Deck	PASS	PASS
5	16 Island Rd Custom Built			CLOSE INSPECTOR:
7353	CHONTOS	SPA RUMBING	PASS	
9	83 S. Sewall's Pt AOV POOLS			INSPECTOR:
7428	BOUCHER	DRY IN	PASS	
3	21 MIDDLE RD DENNIS CONST.			INSPECTOR:

OTHER: _____

8056

WINDOWS
& DOORS

MASTER PERMIT NO. _____

TOWN OF SEWALL'S POINT

Date 2/14/06

BUILDING PERMIT NO. 8056

Building to be erected for GESSER/AKRAWI

Type of Permit REPLACE WINDOW + DOORS

Applied for by NATURAL FLOW

(Contractor) Building Fee 15,970 x 9.64/100 = 153.31

Subdivision RIDGELAND Lot 1 Block _____

Radon Fee _____

Address 53 S. SEWALL'S POINT RD

Impact Fee _____

Type of structure SFR

A/C Fee _____

Parcel Control Number:

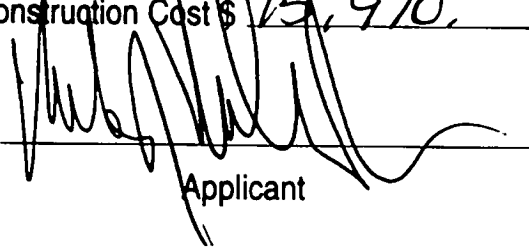
138410110000001070000

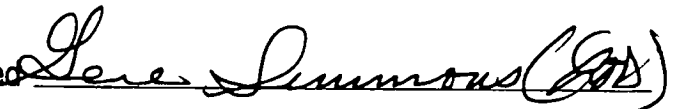
Plumbing Fee _____

Amount Paid 153.31 Check # _____ Cash _____ Other Fees (_____) _____

Total Construction Cost \$ 15,970.

TOTAL Fees 153.31

Signed  Applicant

Signed  Town Building Official

7-1307 called, left vm -

PERMIT

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

INSPECTIONS

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

RECEIVED
2/11/06

Town of Sewall's Point
BUILDING PERMIT APPLICATION

Permit Number: _____

Date: _____

OWNER/TITLEHOLDER NAME: M/M GESSER / AKRAWI Phone (Day) 221-8357 (Fax) _____

Job Site Address: 53 SOUTH SEWALL'S PT. ROAD, STUART City: STUART State: FL Zip: _____

Legal Desc. Property (Subd/Lot/Block) _____ Parcel Number: _____

Owner Address (if different): same # DOOR City: _____ State: _____ Zip: _____

Description of Work To Be Done: REPLACE EXISTING WINDOWS WITH SINGLES HUNG IMPACT

WILL OWNER BE THE CONTRACTOR?:

YES

NO

COST AND VALUES:

Estimated Cost of Construction or Improvements: \$ 15,970.00
(Notice of Commencement needed over \$2500)

Estimated Fair Market Value prior to improvement: \$ _____

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

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

(If yes, Owner Builder Affidavit must accompany application)

Method of Determining Fair Market Value: _____

CONTRACTOR/Company: NATURAL FLOW Phone: 334-1011 Fax: 334-1078

Street: 1084 N.E. ZANUSPINE ALVA City: JEASEN BEACH State: FL Zip: 34957

State Registration Number: _____ State Certification Number: SP01564 Martin County License Number: 007299

SUBCONTRACTOR INFORMATION:

Electrical: X State: _____ License Number: _____

Mechanical: X State: _____ License Number: _____

Plumbing: X State: _____ License Number: _____

Roofing: X State: _____ License Number: _____

ARCHITECT X Lic.#: _____ Phone Number: _____

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

ENGINEER X Lic# _____ Phone Number: _____

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

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

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

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

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

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

OWNER OR AGENT SIGNATURE (required)

A E G

State of Florida, County of: MARTIN

This the 30th day of January, 2006

by Anis Y AKRAWI who is personally

known to me or produced

as identification. Pauline M. Hallen

Notary Public

My Commission Expires: June 5, 2008

Seal

CONTRACTOR SIGNATURE (required)

Robert J. Milicic Jr

On State of Florida, County of: Martin

This the 1 day of February, 2006

by Robert J. Milicic Jr who is personally

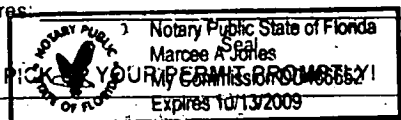
known to me or produced

As identification. Marcelle K

Notary Public

My Commission Expires: _____

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



ACORD. CERTIFICATE OF LIABILITY INSURANCE

OP ID SE
NATUF-1

DATE (MM/DD/YYYY)
02/07/06

PRODUCER Stuart Insurance, Inc. 3070 S W Mapp Palm City FL 34990 Phone: 772-286-4334 Fax: 772-286-9389	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
	INSURERS AFFORDING COVERAGE	NAIC #
INSURED Natural Flow, Inc. Bob & Janet Millici 1084 NE Industrial Blvd Jensen Beach FL 34957	INSURER A: Southern Owners	10190
	INSURER B: Auto Owners Insurance Co	18988
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES

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

INSR ADD'LTR	INSRC	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR	20656470	08/30/05	08/30/06	EACH OCCURRENCE	\$ 1000000
		GENL AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC				DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	\$ 100000 \$ 10000 \$ 1000000 \$ 2000000 \$ 2000000
B		AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	4602367200	08/30/05	08/30/06	COMBINED SINGLE LIMIT (Ea accident)	\$ 500000
		<input type="checkbox"/> GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	\$ \$ \$
		EXCESS/UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$				AUTO ONLY - EA ACCIDENT OTHER THAN AUTO ONLY: EA ACC AGG	\$ \$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				EACH OCCURRENCE AGGREGATE	\$ \$
		OTHER				WC STATUTORY LIMITS E L. EACH ACCIDENT E L. DISEASE - EA EMPLOYEE E L. DISEASE - POLICY LIMIT	\$ \$ \$ \$

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

PC - DOOR & WINDOW INSTALLATIO N

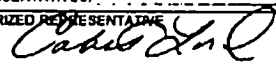
CERTIFICATE HOLDER

TOWNS-1

Town of Sewalls Point
 220-4765
 One S Sewalls Point Road
 Stuart FL 34996

CANCELLATION

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

AUTHORIZED REPRESENTATIVE


12-23-2004



TOM GALLAGHER
CHIEF FINANCIAL OFFICER

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

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

CONSTRUCTION INDUSTRY EXEMPTION

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

EFFECTIVE DATE: 01/21/2005 ** EXPIRATION DATE: 01/21/2007

PERSON: MILICI ROBERT J JR

FEIN: 503069985

BUSINESS NAME: NATURAL FLOW INC
IND. ADDRESS: 1084 NE INDUSTRIAL BLVD
JENSEN BCH FL 34957

MEETS REISSUANCE REQUIREMENTS

SCOPE OF BUSINESS OR TRADE: 1- WINDOW / DOOR INSTALLATION

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

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

QUESTIONS? (850) 413-1.

PLEASE CUT OUT THE CARD BELOW AND RETAIN FOR FUTURE REFERENCE

<p>STATE OF FLORIDA DEPARTMENT OF FINANCIAL SERVICES DIVISION OF WORKERS' COMPENSATION</p> <p>CONSTRUCTION INDUSTRY CERTIFICATE OF EXEMPTION FROM FLORIDA WORKERS' COMPENSATION LAW</p> <p>EFFECTIVE: 01/21/2005 ** EXPIRATION DATE: 01/21/2007</p> <p>PERSON: MILICI ROBERT J JR</p> <p>FEIN: 503069985</p> <p>BUSINESS NAME: NATURAL FLOW INC IND. ADDRESS: 1084 NE INDUSTRIAL BLVD JENSEN BCH FL 34957</p> <p>SCOPE OF BUSINESS OR TRADE: 1-WINDOW / DOOR INSTALLATION</p>	<p style="text-align: center;">IMPORTANT</p> <p>Pursuant to Chapter 440.05(14), F.S., an officer of a corporation who elects exemption from this chapter by filing a certificate of election under this section may not recover benefits or compensation under this chapter.</p> <p style="text-align: right;">QUESTIONS? (850) 413-1509</p>
---	---

F
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R
E

CUT HERE

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

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



Martin County Building Department

2401 SE Monterey Road

Stuart, Fl 34996

(772) 288-5482

Fax (772) 288-5911

MILICI, JANET E
NATURAL FLOW INC
1084 NE INDUSTRIAL BLVD
JENSEN BEACH, FL 34957

NOTICE TO ALL CONTRACTORS

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

PROHIBITED ACTIVITIES:

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

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

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



**MARTIN COUNTY, FLORIDA
Construction Industry Licensing Board
Certificate of Competency**

GLASS & GLAZING

License Number SP01564 Expires: 30-SEP-07

MILICI, JANET E
NATURAL FLOW INC
1084 NE INDUSTRIAL BLVD
JENSEN BEACH, FL 34957

PERMIT # _____

TAX FOLIO # _____

NOTICE OF COMMENCEMENT

STATE OF _____

COUNTY OF _____

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):

53 SOUTH SENECA PT. ROAD, STUART, FLA.

GENERAL DESCRIPTION OF IMPROVEMENT: REPLACE EXISTING WINDOWS WITH IMPACT SINGLE PANE

OWNER: M/M BESSER / AKRAWI

ADDRESS: 53 SOUTH SENECA PT. ROAD

PHONE #: 221-8357

FAX #: _____

CONTRACTOR: NATURAL FLOW BLDG. SPECIALTIES

ADDRESS: 1084 N.E. INDUSTRIAL BLVD, JENSEN BEACH, FLA 34957

PHONE #: 334-1011

FAX #: 334-1078

SURETY COMPANY (IF ANY) _____

ADDRESS: STATE OF FLORIDA
MARTIN COUNTY

PHONE # _____

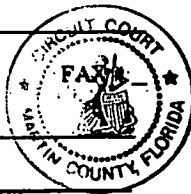
BOND AMOUNT: _____

LENDER: _____

ADDRESS: _____

PHONE #: _____

FAX #: _____



INSTR # 1908245
OR BK 02109 PG 0538
Pg 05387 (1pg)
RECORDED 02/06/2006 11:00:28 AM
MARSHA EWING
CLERK OF MARTIN COUNTY FLORIDA
RECORDED BY C Burkey

THIS IS TO CERTIFY THAT THE FOREGOING 1 PAGES IS A TRUE AND CORRECT COPY OF THE ORIGINAL.

MARSHA EWING, CLERK

BY: Charlotte Budas D.C.

DATE: 2-6-03

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: _____

ADDRESS: _____

PHONE #: _____

FAX #: _____

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

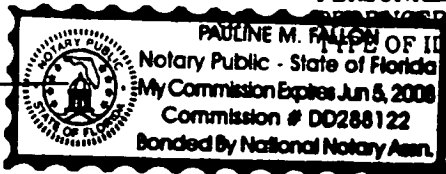
X SIGNATURE OF OWNER: [Handwritten Signature]

SWORN TO AND SUBSCRIBED BEFORE ME THIS 30th DAY OF January

BY: Anis Y. Akrawi

PERSONALLY KNOWN

[Handwritten Signature]
NOTARY SIGNATURE





BUILDING CODE COMPLIANCE OFFICE (BCCO) 2/1/06
PRODUCT CONTROL DIVISION

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

BUILDING OFFICIAL
Gene Simmons

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)

South Eastern Door Company
1505 Commerce Lane P.O. Box 794
Jupiter, FL 33458

SCOPE:

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

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

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

DESCRIPTION: Series "Atlas Plus Model 13000LM" Aluminum Sliding Glass Door-L.M.

APPROVAL DOCUMENT: Drawing No. 03-004R1, titled "Atlas Plus Model 13000LM Aluminum Sliding Glass Door", sheets 1 through 5 of 5, prepared by EngCo. Inc., dated 3/17/03, signed and sealed by Pedro De Figueiredo, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval 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 consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by Theodore Berman, P.E.

6/17/2003

NOA No 03-0328.01
Expiration Date: June 26, 2008
Approval Date: June 26, 2003
Page 1

South Eastern Door Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA)

D. MATERIAL CERTIFICATIONS

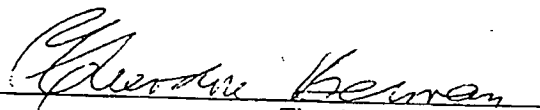
1. Notice of Acceptance No. 01-0206.22 issued to Security Impact Holdings L.L.C. for "SAF-GLAS" dated 1/2/03, expiring on 12/16/07.
2. Notice of Acceptance No. 01-1204.01 issued to E.I. DuPont DeNemours, for "Sentry Glass Plus" dated 1/17/02, expiring on 1/14/07.

E. STATEMENTS

1. Laboratory compliance letter for Test Report no. HTL 0151-0909-01, 0151-1105-01, 0151-1209-02, 0151-0117-03, issued by National Certified Testing Laboratories, dated 3/3/03, signed and sealed by Vinu Abraham, P.E.

F. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).


Theodore Berman, P.E.

Deputy Director, Product Control Division
NOA No 03-0328.01

Expiration Date: June 26, 2008
Approval Date: June 26, 2003



**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)

**PGT Industries
P.O. Box 1529
Nokomis, FL 34274**

SCOPE:

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

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

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

DESCRIPTION: Series "SH-701" Aluminum Single Hung Window

APPROVAL DOCUMENT: Drawing No.4040, titled "Aluminum Single Hung Window", sheets 1 through 5 of 5, prepared by manufacturer, dated 2/9/98 with revision on 6/3/03, 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 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 NOA # 02-0702.04 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by Theodore Berman, P.E.

10/16/2003

**NOA No 03-0514.01
Expiration Date: November 01, 2006
Approval Date: November 06, 2003
Page 1**



8056

TOWN OF SEWALL'S POINT

One South Sewall's Point Road
Sewall's Point, Florida 34996
(772) 287-2455

CORRECTION NOTICE

ADDRESS: 53 SPR.

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

WINDOW BUCKS

MISSING FASTENERS ON HEADS
& SILLS OF ALL D.H./S.H.
WINDOWS.

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

DATE: 2/17

INSPECTOR

DO NOT REMOVE THIS TAG

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri 2/17, 2006 Page 2 of

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8047	MORAN	FINAL ROOF (WHOLE)	PASS	
4	2 PALM ROAD PACIFIC ROOFING	DRY-IN		INSPECTOR: <i>OK</i>
7851	MORAN	FINAL ROOF (ADDITION)	PASS	
4	2 PALM RD PACIFIC ROOFING	DRY-IN		INSPECTOR: <i>OK</i>
7777	CATHEY	FINAL ROOF (ADDITION)	PASS	
9	47 S. SEWALL'S PT PACIFIC	DRY-IN		INSPECTOR: <i>OK</i>
8056	GESSEN	WINDOW BUCK	FAIL	
8	53 S. SEWALL'S PT NATURAL FLOW			INSPECTOR: <i>OK</i>
8012	TRANTOR	ROOF SHEATHING	CANCEL	
12	9 MIDDLE ROAD PARKS	*LAST RELEASE*		INSPECTOR:
7842	ZIEGLER	FINAL ROOF	PASS	CLOSE
7	71 S. RIVER RD AN AMERICAN			INSPECTOR: <i>OK</i>
8028	BABLIE	FENCE FINAL	PASS	CLOSE
6	101 S. SEWALL'S PT OLB			INSPECTOR: <i>OK</i>

OTHER: _____

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection Mon Tue Wed Thur Fri 7-23 2010 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9478	Akrawi 53 S. Sewalls Pt James Thomas	slab	Pass	INSPECTOR <i>JA</i>
8057	AKRAWI 53 S. SPT RD	WATER DOWN	Pass	Close INSPECTOR <i>JA</i>
9513	KURTIN 5 MANDALAY PROPANE SERVICES	GAS FINAL	Pass	Close INSPECTOR <i>JA</i>
	8 N. RIVER	WATER PIPE IN HEDGE ?		PIPE IS ON W.M. W/ VALVE INSPECTOR
				INSPECTOR
				INSPECTOR
				INSPECTOR
				INSPECTOR

8656

SHUTTERS



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

BUILDING PERMIT CARD

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

A FINAL INSPECTION IS REQUIRED FOR ALL PERMITS

PERMIT NUMBER:	8656	DATE ISSUED:	JULY 13, 2007
SCOPE OF WORK:	HURRICANE SHUTTERS		
CONTRACTOR:	FOLDING SHUTTER CORP		
PARCEL CONTROL NUMBER:	138410110000001070000	SUBDIVISION	RIDGELAND - LOT 1
CONSTRUCTION ADDRESS:	53 S SEWALLS POINT RD		
OWNER NAME:	AKRAWI		
QUALIFIER:	KEVIN HEMSTREET	CONTACT PHONE NUMBER:	561-683-4811

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT. A CERTIFIED COPY OF THE RECORDED NOTICE OF COMMENCEMENT MUST BE SUBMITTED TO THE BUILDING DEPARTMENT PRIOR TO THE FIRST REQUESTED INSPECTION.

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN PUBLIC RECORDS OF THIS COUNTY, AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

INSPECTIONS

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

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

RECEIVED
DATE: 7-11-07
TOWN OF SEWALL'S POINT

Town of Sewall's Point
BUILDING PERMIT APPLICATION

Date: _____ Permit Number: _____

OWNER/TITLEHOLDER NAME Chris Akrawi Phone (Day) 772-221-8337 (Fax) _____

Job Site Address: 53 S. Sewalls St Road City: Stuart State: FL Zip: 34996

Legal Desc. Property (Subd/Lot/Block) Bejelande Ct 1 Parcel Number: 01-3841-011-000-00010-7

Owner Address (if different): 36 S. Beiler Road City: Stuart State: FL Zip: 34996

Scope of work: Installation of: One (1) mu / track white storm panel

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 _____

(Must include a copy of all variance approvals with application)

COST AND VALUES:

Estimated Value of Construction or Improvements: \$ 380.00
(Notice of Commencement required over \$2500)

Estimated Fair Market Value prior to Improvement: \$ _____
(FOR ADDITIONS AND REMODEL APPLICATIONS ONLY)

Method of Determining Fair Market Value: _____

CONTRACTOR/Company: Folding Shutter Corp Phone: 501-683-4811 Fax: _____

Street: 7089 Hemstreet Place City: WPB State: FL Zip: 33413

State Registration Number: _____ State Certification Number: SP00839 Municipality License Number: _____

ARCHITECT _____ Lic.#: _____ Phone Number: _____

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

ENGINEER _____ Lic.# _____ Phone Number: _____

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

AREA SQUARE FOOTAGE (SEWER & ELECTRIC): Living: _____ Garage: _____ Covered Patios: _____ Screened Porch: _____

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

CODE EDITIONS IN EFFECT AT TIME OF APPLICATION: Florida Building Code (Structural, Mechanical, Plumbing, Gas): 2004 (W/2006 Rev.)
National Electrical Code: 2005 Florida Energy Code: 2004 Florida Accessibility Code: 2004 Florida Fire Code 2004

NOTICES TO OWNERS AND CONTRACTORS:

1. YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. WHEN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.
2. THERE ARE SOME PROPERTIES THAT MAY HAVE DEED RESTRICTIONS RECORDED UPON THEM. THESE RESTRICTIONS MAY LIMIT OR PROHIBIT THE WORK APPLIED FOR IN YOUR BUILDING PERMIT. IT IS TO YOUR ADVANTAGE AND RESPONSIBILITY TO DETERMINE IF YOUR PROPERTY IS ENCUMBERED BY ANY RESTRICTIONS. SOME RESTRICTIONS APPLICABLE TO THIS PROPERTY MAY BE FOUND IN THE PUBLIC RECORDS OF MARTIN COUNTY OR THE TOWN OF SEWALL'S POINT, AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.
3. BUILDING PERMITS FOR SINGLE FAMILY RESIDENCES AND SUBSTANTIAL IMPROVEMENTS TO SINGLE FAMILY RESIDENCES ARE VALID FOR A PERIOD OF 24 MONTHS. RENEWAL FEES WILL BE ASSESSED AFTER 24 MONTHS PER TOWN ORDINANCE 50-85.

THIS PERMIT WILL BECOME NULL AND VOID IF THE WORK AUTHORIZED BY THIS PERMIT IS NOT COMMENCED WITHIN 180 DAYS, OR WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AT ANY TIME AFTER THE WORK IS COMMENCED. ADDITIONAL FEES WILL BE ASSESSED ON ALL NULL AND VOID PERMITS. REF. FBC 2004 W/ 2006 REVISIONS SECT. 105.4.1, 105.4.1.1 - 5.

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

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

OWNER OR AUTHORIZED AGENT SIGNATURE (required)

CONTRACTOR SIGNATURE (required)

State of Florida, County of: Palm Beach

On State of Florida, County of: Palm Beach

This the 5th day of July, 2007

This the 5th day of July, 2007

by Chris Akrawi who is personally

by Kevin R. Hemstreet who is personally

known to me or produced _____

known to me or produced _____

as identification _____

as identification _____

My Commission Expires: 01/02/2010

My Commission Expires: 01/02/2010

NOTARY PUBLIC STATE OF FLORIDA
Kristina L. Boggs
Commission # DD491647
Expires: JAN. 02, 2010
Seal

NOTARY PUBLIC STATE OF FLORIDA
Kristina L. Boggs
Commission # DD491647
Expires: JAN. 02, 2010
Seal

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!

ACORD CERTIFICATE OF LIABILITY INSURANCE

OP ID AE
FOLDING

DATE (MM/DD/YYYY)

02/13/07

PRODUCER

SLATON INSURANCE
 P.O. Box 220537
 West Palm Beach FL 33422
 Phone: 561-683-8383 Fax: 561-684-5995

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

INSURERS AFFORDING COVERAGE		NAIC #
INSURER A:	NAUTILUS INS CO	
INSURER B:	Landmark American Insurance Co	
INSURER C:	Auto-Owners Insurance Company	18988
INSURER D:	Guarantee Insurance Company	
INSURER E:		

INSURED

Folding Shutter Corporation
 7089 Hemstreet Place
 West Palm Beach FL 33413

COVERAGES

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

INSR	ADD'L LTR	INSRC	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A			GENERAL LIABILITY	BK001038802	01/01/07	01/01/08	EACH OCCURRENCE	\$ 1,000,000
			<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ Excluded
			<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				MED EXP (Any one person)	\$ Excluded
			<input checked="" type="checkbox"/> Contractual Liab				PERSONAL & ADV INJURY	\$ 1,000,000
			<input checked="" type="checkbox"/> XCU Included				GENERAL AGGREGATE	\$ 2,000,000
			GEN'L AGGREGATE LIMIT APPLIES PER:				PRODUCTS - COM/POP AGG	\$ 2,000,000
			<input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC				Emp Ben.	1,000,000
			AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT (Ea accident)	\$
			<input type="checkbox"/> ANY AUTO				BODILY INJURY (Per person)	\$
			<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per accident)	\$
			<input type="checkbox"/> SCHEDULED AUTOS				PROPERTY DAMAGE (Per accident)	\$
			<input type="checkbox"/> HIRED AUTOS					
			<input type="checkbox"/> NON-OWNED AUTOS					
			GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	\$
			<input type="checkbox"/> ANY AUTO				OTHER THAN EA ACC	\$
							AGG	\$
B			EXCESS/UMBRELLA LIABILITY	LHA038135	01/01/07	01/01/08	EACH OCCURRENCE	\$ 5,000,000
			<input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE				AGGREGATE	\$ 5,000,000
			<input type="checkbox"/> DEDUCTIBLE					\$
			<input checked="" type="checkbox"/> RETENTION \$10,000					\$
D			WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	021007BNDR	02/10/07	02/10/08	WC STATUTORY LIMITS	OTHR
			ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?				E.L. EACH ACCIDENT	\$ 500000
			If yes, describe under SPECIAL PROVISIONS below				E.L. DISEASE - EA EMPLOYEE	\$ 500000
			OTHER				E.L. DISEASE - POLICY LIMIT	\$ 500000
C			Equipment Floater	7259502407	01/01/07	01/01/08	Equipment	60,000
C			Rental Equipment	7259502407	01/01/07	01/01/08	Rntd/Leas	250,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS
 *FLORIDA STATUTE REQUIRES TEN (10) DAYS NOTICE OF CANCELLATION FOR NON PAYMENT & FORTY FIVE (45) DAYS FOR NON RENEWAL

FAX: 561-334-5232

CERTIFICATE HOLDER

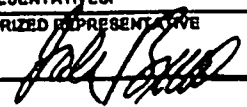
CANCELLATION

TOWNSEW

 Town Of Sewells Point
 1 S Sewells Point Road
 Sewells Point FL 34996

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

AUTHORIZED REPRESENTATIVE





Martin County Building Department

2401 SE Monterey Road

Stuart, Fl 34996

(772) 288-5482

Fax (772) 288-5911

HEMSTREET, KEVIN R
FOLDING SHUTTER CORP
7089 HEMSTREET PL
WEST PALM BEACH, FL 33413

NOTICE TO ALL CONTRACTORS

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

PROHIBITED ACTIVITIES:

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

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

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



MARTIN COUNTY, FLORIDA
Construction Industry Licensing Board
Certificate of Competency

ALUMINUM/CONCRETE CONTRACTOR

License Number SP00839 Expires: 30-SEP-07

HEMSTREET, KEVIN R

FOLDING SHUTTER CORP

7089 HEMSTREET PL

WEST PALM BEACH, FL 33413

2006-2007 MARTIN COUNTY ORIGINAL
COUNTY OCCUPATIONAL LICENSE

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

LICENSE 1976-650-0289 CERT _____

PHONE (561) 286-2633 SIC NO 001541

LOCATION:

7089 HEM ST MAR

CHARACTER COUNTS IN MARTIN COUNTY

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



IS HEREBY LICENSED TO ENGAGE IN THE BUSINESS, PROFESSION OR OCCUPATION OF
RETAIL/ALUMINUM CONTR

AT LOCATION LISTED FOR THE PERIOD BEGINNING ON THE

17 DAY OF AUGUST 20 06
AND ENDING SEPTEMBER 30, 2007

SHUTTER CORP
HEMSTREET QUALIFIER
HEMSTREET PLACE
WEST PALM BEACH FL 33413

11 2005 42955.0001



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

IMPACT PROTECTION INSTALLATION AFFIDAVIT

BLDG. PERMIT NUMBER: 86.56

JOB SITE ADDRESS: 53 South Sewalls Point Rd

CONTRACTOR/OWNER: Folding Shutter Corporation

PHONE NUMBER: 561-683-4811

QUALIFIER NAME: Kevin R. Hemstreet

LICENSE NUMBER: SP00839

I, Kevin R. Hemstreet V.P., do hereby affirm:

Owner or Contractor - Please print name

The following impact protection was used as per the 2004 FBC 1609.1.4 for all exterior glazed openings at the above referenced job site.

Impact Resistant Glass

Approved Shutters

That I personally observed the complete installation of all hurricane panel/shutters on the above referenced project and further affirm that they are fitted properly for the openings they are intended to protect.

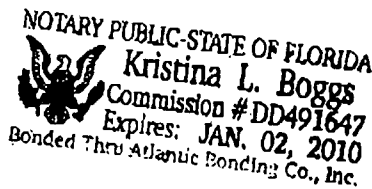
Signature of Owner or Contractor: [Signature] Date: 8/13/07

Sworn to and subscribed before me this 13 Day of August, 2007
By Kevin R. Hemstreet
Notary Public, State of Florida Notary Seal/Stamp

Personally known to me

Produced ID _____

Type _____



Sewall' Point Building Department will inspect the structural attachment of the panel rails and/or the shutter assembly attachment to the building, per the manufacturer's product approvals, ASCE 7-02 and the 2004 Florida Building code at final inspection.

FOLDING SHUTTER CORP. ENGINEERING LAYOUT SHEET

CUSTOMER NAME

Cressley Carol

WORK ORDER NO.

05112007048N67 Panel

SHEET

OF

BY:

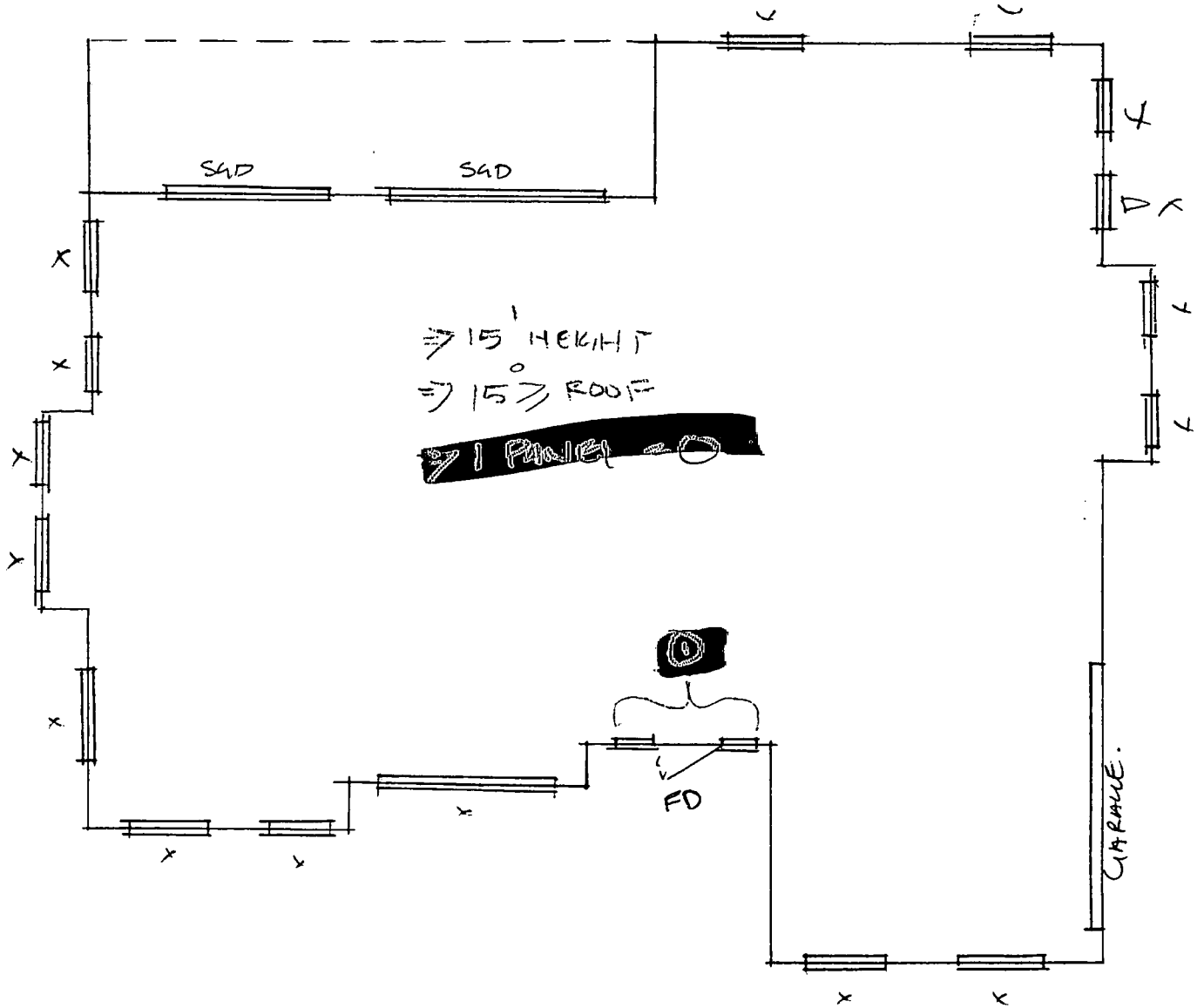
R. Sewell

DATE:

6/25/07

1

2



LAYOUT

FILE COPY

TOWN OF SEWALL'S POINT

THESE PLANS HAVE BEEN
REVIEWED FOR CODE COMPLIANCE

DATE 7-12-07

BUILDING OFFICIAL

Product Evaluation Report

November 10, 2006

Application Number: FL-6423
FLB Project Number: 06-FSC-0007

Product Manufacturer: Folding Shutter Corporation
Manufacturer Address: 7089 Hemstreet Place
West Palm Beach, FL 33413

Product Name & Description: Titan 0.060" Aluminum Storm Panels

Scope of Evaluation:

This Product Evaluation Report is being issued in accordance with the requirements of the Florida Department of Community Affairs (Florida Building Commission) Rule Chapter 9B-72.070, F.A.C., for statewide acceptance per Method 1(d). All products listed above have been tested and/or evaluated as summarized herein to show compliance with the 2004 Florida Building Code with 2006 Supplements and are, for the purpose intended, at least equivalent to that required by the Code. Re-evaluation of this product shall be required following pertinent Florida Building Code modifications or revisions.

Substantiating Data:

- **PRODUCT EVALUATION DOCUMENTS**

FLB drawing #06-FSC-0007 titled "Titan 0.060" Aluminum Storm Panels", sheets 1-5, prepared by Frank L. Bennardo, P.E., Inc., signed & sealed by Frank L. Bennardo, P.E. is an integral part of this Evaluation Report.

- **TEST REPORTS**

Uniform static structural performance has been tested in accordance with TAS 202 test standards per test report(s) #94-85 by Hurricane Engineering & Testing, Inc. (HETI) and per test report(s) #0143-0805-97 & #0143-1217-97 by Hurricane Test Laboratory (HTL).

Large missile impact resistance and cyclic loading performance have been tested in accordance with TAS 201 & 203 test standards per test report(s) #94-86 & #98-723 by Hurricane Engineering & Testing, Inc. (HETI) and per test report(s) #0143-0805-97 & #0143-1217-97 by Hurricane Test Laboratory (HTL).

Metal tensile capacity has been determined in accordance with ASTM E8 test standard per test report #95-T88 by Hurricane Engineering & Testing, Inc. (HETI).

- **STRUCTURAL ENGINEERING CALCULATIONS**

Structural engineering calculations have been prepared which evaluate the product based on comparative and/or rational analysis to qualify the following design criteria:

1. Maximum Allowable Spans
2. Minimum Glass Separation
3. System Porosity
4. Anchor Spacing

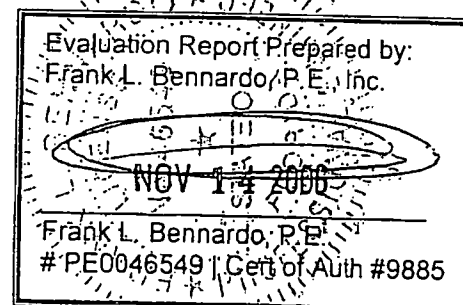


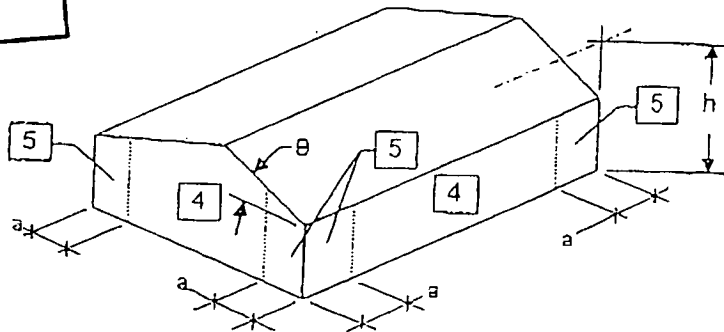
TABLE 3.41
WIND LOADS FOR WALL COMPONENTS & CLADDING
PER ASCE 7-02
***(ROOF HEIGHTS LESS THAN 90 FT.)**

3- SECOND GUST WIND SPEED: 140 MPH
 TRIBUTARY AREA: 10 SQ. FT. OR LESS
 IMPORTANCE FACTOR (I): 1.00

MEAN ROOF HEIGHT (FT.)	EXPOSURE "B"						EXPOSURE "C"					
	ROOF SLOPE ≥ 10°			ROOF SLOPE < 10°			ROOF SLOPE ≥ 10°			ROOF SLOPE < 10°		
	ZONE 4 & 5	ZONE 4	ZONE 5	ZONE 4 & 5	ZONE 4	ZONE 5	ZONE 4 & 5	ZONE 4	ZONE 5	ZONE 4 & 5	ZONE 4	ZONE 5
15	(+)	(-)	(-)	(+)	(-)	(-)	(+)	(-)	(-)	(+)	(-)	(-)
20	35.2	38.2	47.2	32.2	34.9	43.0	42.8	46.4	57.3	39.2	42.4	52.2
25	35.2	38.2	47.2	32.2	34.9	43.0	45.3	49.1	60.6	41.5	44.9	55.3
30	35.2	38.2	47.2	32.2	34.9	43.0	47.3	51.3	63.3	43.3	46.9	57.7
35	36.7	39.9	49.2	33.6	36.4	44.8	49.3	53.5	66.0	45.1	48.9	60.2
40	38.2	41.5	51.2	35.0	37.9	46.7	50.8	55.1	68.1	46.5	50.4	62.0
45	39.5	42.9	52.9	36.2	39.2	48.2	52.3	56.8	70.1	47.9	51.9	63.9
50	40.8	44.2	54.6	37.3	40.4	49.7	53.6	58.1	71.8	49.1	53.1	65.4
55	41.8	45.3	55.9	38.2	41.4	51.0	54.9	59.5	73.5	50.2	54.4	66.9
60	42.8	46.4	57.3	39.2	42.4	52.2	55.9	60.6	74.8	51.1	55.4	68.2
* 65	43.8	47.5	58.6	40.1	43.4	53.4	56.9	61.7	76.1	52.0	56.4	69.4
* 70	44.8	48.6	60.0	41.0	44.4	54.7	57.9	62.8	77.5	53.0	57.4	70.6
* 75	45.8	49.7	61.3	41.9	45.4	55.9	58.9	63.9	78.8	53.9	58.4	71.9
* 80	46.8	50.8	62.7	42.8	46.4	57.1	59.9	65.0	80.2	54.8	59.4	73.1
* 85	47.6	51.6	63.7	43.5	47.2	58.0	60.9	66.1	81.5	55.7	60.4	74.3
* 89	48.0	52.1	64.3	43.9	47.6	58.6	61.8	66.9	82.5	56.4	61.1	75.2
							62.1	67.4	83.2	56.8	61.6	75.8

NOTE: ALL DESIGN LOADS ARE IN POUNDS PER SQUARE FOOT (PSF)

**TOWN OF SEWALL'S POINT
 BUILDING DEPARTMENT
 FILE COPY**



Carol Gessay
 53 Sewalls Pt Rd
 Stuart FL 34996

- NOTES:**
1. PLUS & MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD & AWAY FROM SURFACES RESPECTFULLY.
 2. $a = 10\%$ OF LEAST HORIZONTAL DIMENSION OR $0.4h$, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4% OF LEAST HORIZONTAL DIMENSION OR 3 FT.
 3. LOADS, POSITIVE & NEGATIVE, ARE TAKEN AT MEAN ROOF HEIGHT (h) & APPLY TO ALL FLOORS.
 4. LOADS BETWEEN ELEVATIONS SHOWN IN TABLE MAY BE INTERPOLATED.
 5. AT MEAN ROOF HEIGHT (h), $60 \text{ ft} < h < 90 \text{ ft}$, PRESSURES HAVE BEEN DETERMINED USING THE SAME METHOD AS FOR 60 FT. & LESS PER ASCE 7-02 SECTION 6.5.12.4.3. THESE PRESSURES ARE ONLY APPLICABLE IF THE HEIGHT TO WIDTH RATIO IS 1 OR LESS (IF THE HEIGHT IS NO MORE THAN 1 TIMES THE MINIMUM BUILDING WIDTH).
 6. TABLE VALUES DO NOT CONSIDER EFFECTS FROM TOPOGRAPHIC CONDITIONS & FACTOR K_{zt} IS TAKEN AS 1.0 (FLAT GRADE). IF TOPOGRAPHIC CONDITIONS ARE NOT FLAT, THE VALUES IN THIS TABLE MUST BE MULTIPLIED BY THE PROPER K_{zt} FACTOR IN ACCORDANCE WITH ASCE 7-02 SECTION 6.5.7.
 7. ALL VALUES IN THIS TABLE CONSIDER A WIND DIRECTIONALITY FACTOR (K_d) OF 0.85 PER ASCE 7-02 TABLE 6-4.

CA #6809
 W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
 8895 N. MILITARY TRAIL, SUITE C204
 PALM BEACH GARDENS, FL 33410

JUL 02 2007
 COPYRIGHT © 2002
 3.17
 WARREN W. SCHAEFER, P.E.
 STRUCTURAL ENGINEER
 FLORIDA REG. #PE0044135

11/16/06



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[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

FL #	FL6423-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	

Product Manufacturer	Folding Shutter Corporation
Address/Phone/Email	7089 Hemstreet Place West Palm Beach, FL 33413 (561) 683-4811 gary@foldingshutters.com

Authorized Signature	Frank Bennardo clangley@flbengineering.com
----------------------	---

Technical Representative
Address/Phone/Email

Quality Assurance Representative

Address/Phone/Email

Category

Shutters

Subcategory

Storm Panels

Compliance Method

Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer
Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed the Evaluation Report

Frank L. Bennardo, P.E.

Florida License

PE-0046549

Quality Assurance Entity

PFS Corporation

Validated By

Jorge A. Pomerantz, P.E.

Certificate of Independence

FL6423_R1_COI_Cert_Independ.pdf

Referenced Standard and Year (of Standard)

Standard

Year

TAS 201

1994

TAS 202

1994

TAS 203

1994

Equivalence of Product Standards Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted 09/22/2006
 Date Validated 11/22/2006
 Date Pending FBC Approval 11/16/2006
 Date Approved 11/27/2006

Summary of Products

FL #	Model, Number or Name	Description
6423.1	Titan 0.060" Storm Panel	Titan 0.060" Aluminum Storm Panel
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See engineering drawings for design limitations (allowable spans, mounting conditions, anchor options, etc.)		Installation Instructions FL6423_R1_II_Dwg_0007_01c.pdf Verified By: Frank L. Bennardo, P.E. PE0046549 Evaluation Reports FL6423_R1_AE_Eval_Report.pdf FL6423_R1_AE_Test_Reports.pdf



[DCA Administration](#)

Department of Community Affairs
Florida Building Code Online
Codes and Standards
 2555 Shumard Oak Boulevard
 Tallahassee, Florida 32399-2100

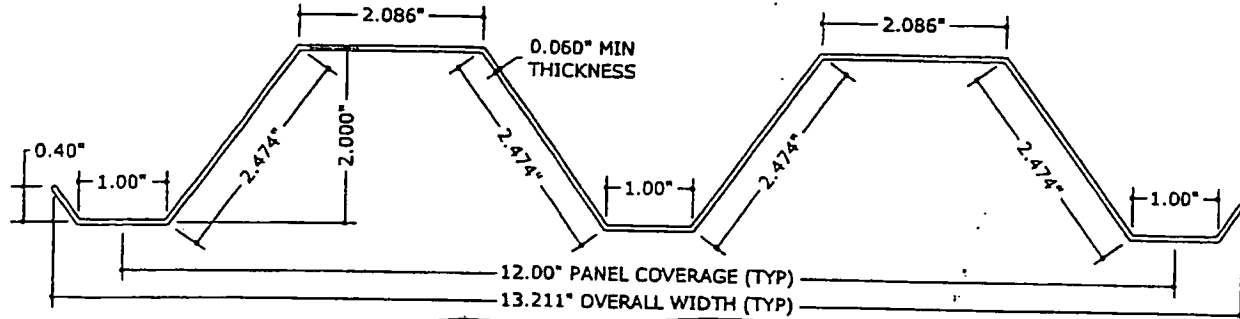
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

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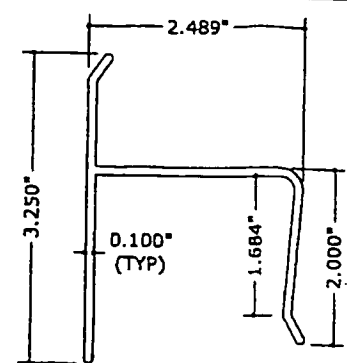
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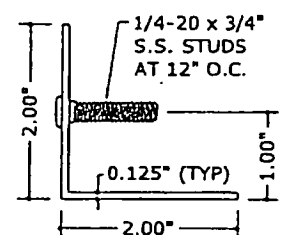
"TITAN" 0.060" ALUMINUM STORM PANELS



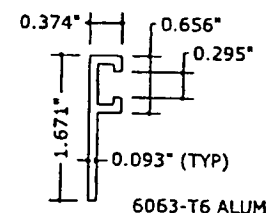
1 STORY PANEL PROFILE
6" = 1'-0"



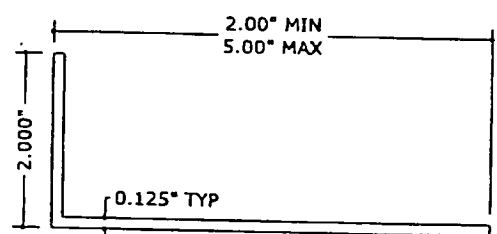
5 "h" HEADER
6" = 1'-0"



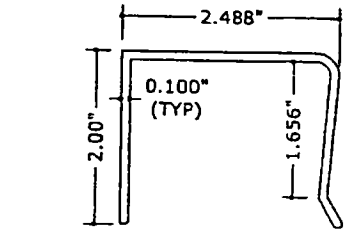
2 STUDDED ANGLE
6" = 1'-0"



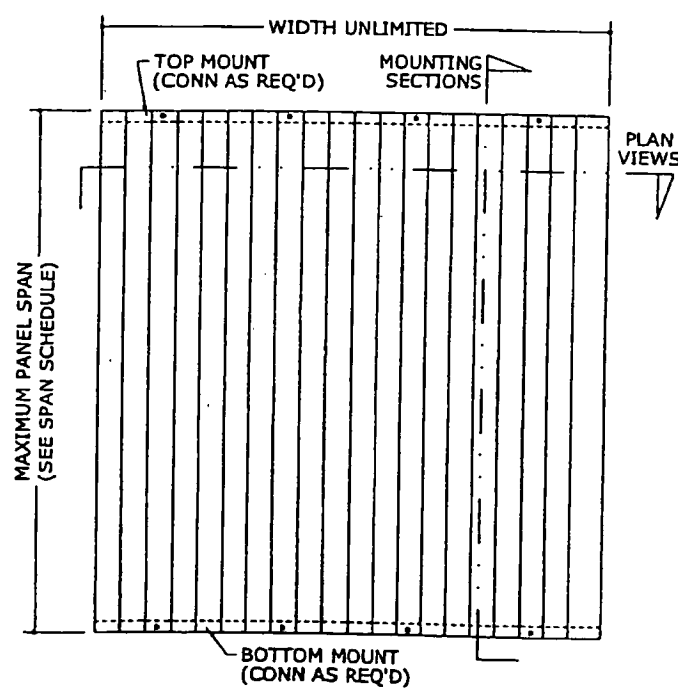
3 "F" TRACK
6" = 1'-0"



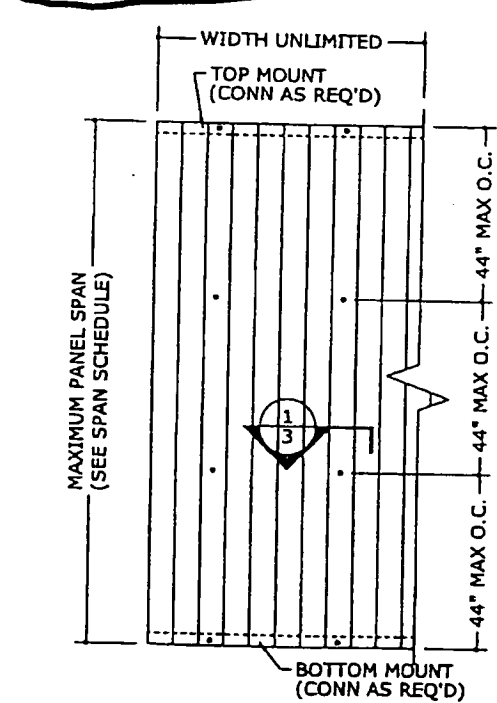
4 BUILD OUT ANGLE
6" = 1'-0"



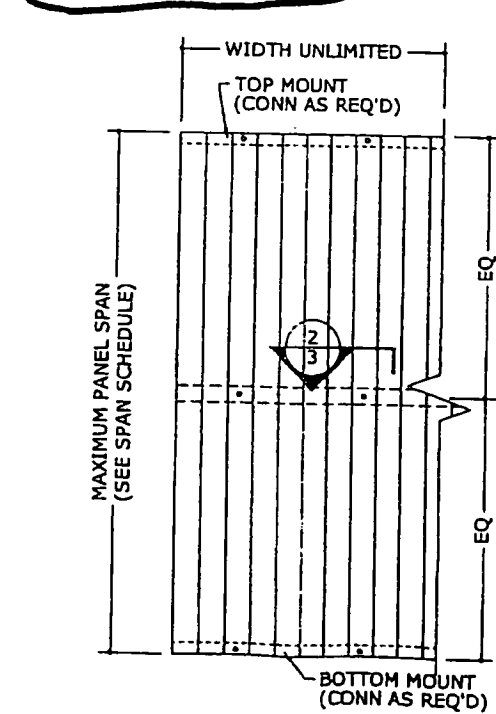
6 "U" HEADER
6" = 1'-0"



1 TYPICAL ELEVATION (NO PANEL REINF)
1 N.T.S.



2 TYPICAL ELEVATION (STITCH BOLT REINF)
1 N.T.S.



3 TYPICAL ELEVATION (ALUM STRAP REINF)
1 N.T.S.

GENERAL NOTES:

- 1) THIS SYSTEM HAS BEEN TESTED AND EVALUATED AS A LARGE MISSILE IMPACT PROTECTIVE SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE FOR USE WITHIN & OUTSIDE THE HIGH VELOCITY HURRICANE ZONE PER TESTING APPLICATION STANDARDS TAS 201, TAS 202, & TAS 203.
- 2) NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d=1.6$ HAS BEEN USED IN WOOD ANCHOR DESIGN.
- 3) POSITIVE AND NEGATIVE DESIGN PRESSURES TO BE USED WITH THESE DRAWINGS SHALL BE DETERMINED BY OTHERS FOR SPECIFIC JOBS IN ACCORDANCE WITH THE GOVERNING CODE.
- 4) THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. IF SITE CONDITIONS DEVIATE FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS TO BE USED IN CONJUNCTION WITH THIS DOCUMENT.
- 5) PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND NEW SUPERIMPOSED LOADS.
- 6) ALL ALUMINUM STORM PANELS SHALL HAVE A MINIMUM THICKNESS $t=0.060$ " AND SHALL BE 5052-H32 OR 3004-H34 ALLOY, WITH MIN $F_y=25$ KSI.
- 7) ALL EXTRUSIONS SHALL BE 6063-T5 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE.
- 8) PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER PANEL CONTAINING THE FOLLOWING:
FOLDING SHUTTER CORP, WEST PALM BEACH, FL
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
EACH OPENING SHALL ALSO HAVE A LEGIBLE AND READILY VISIVBLE DECAL OF PRINTED INSTRUCTIONS INDICATING THE MANDATORY USE OF REINFORCEMENTS (ALUMINUM STRAP AT MIDSPAN OR ROWS OF JACK NUTS AT LAP JOINTS) DURING PERIODS OF HURRICANE WARNING.
- 9) STORM PANELS HAVE BEEN DESIGNED AND TESTED TO THE MAXIMUM SPANS AND CORRESPONDING LOADS SHOWN HEREIN.
- 10) TOP & BOTTOM DETAILS SHOWN MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE. PANELS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY AS APPLICABLE.
- 11) USE OF KEYHOLE WASHERS IS OPTIONAL IN CONJUNCTION WITH ANY MOUNTING CONDITION. ALL WASHERED WINGNUTS SHALL HAVE 0.865" MINIMUM WASHER DIAMETER.
- 12) ALL BOLTS & WASHERS SHALL BE ALUMINUM (ALLOY 2024-T4 OR 7075-T6) OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI.
- 13) ALL STEEL SURFACES TO BE PLACED IN CONTACT WITH ALUMINUM SHALL BE GALVANIZED OR GIVEN ONE COAT OF ZINC CHROMATE PRIMER.

**TOWN OF SEWALL'S POINT
BUILDING DEPARTMENT
FILE COPY**

FRANK L. BENNARDO, P.E.
PED046549

03/03/2006

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WWW.ENGGXP.COM

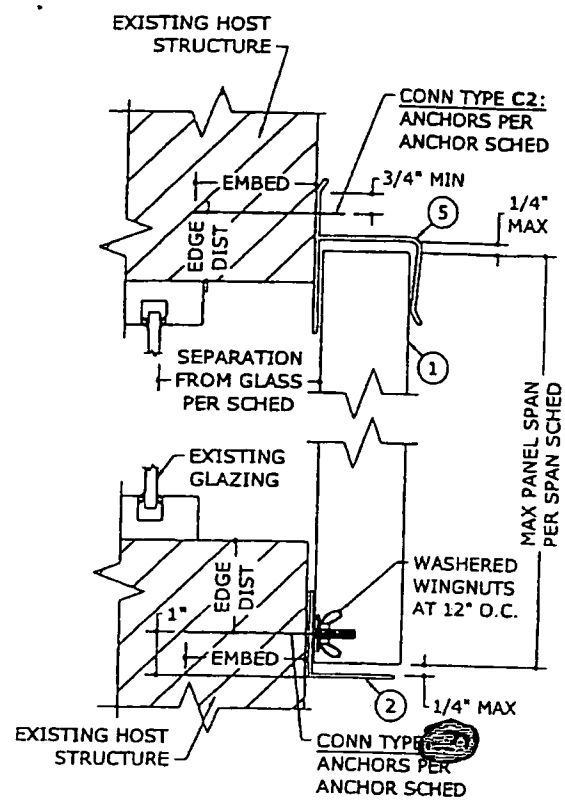
FOLDING SHUTTER CORP
7089 HEMSTREET PLACE
WEST PALM BEACH, FL 33413
WWW.FOLDINGSHUTTERS.COM
"TITAN" 0.060" ALUMINUM STORM PANEL
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DATE	DRWN	CHKD
	02/22/2006	CL	

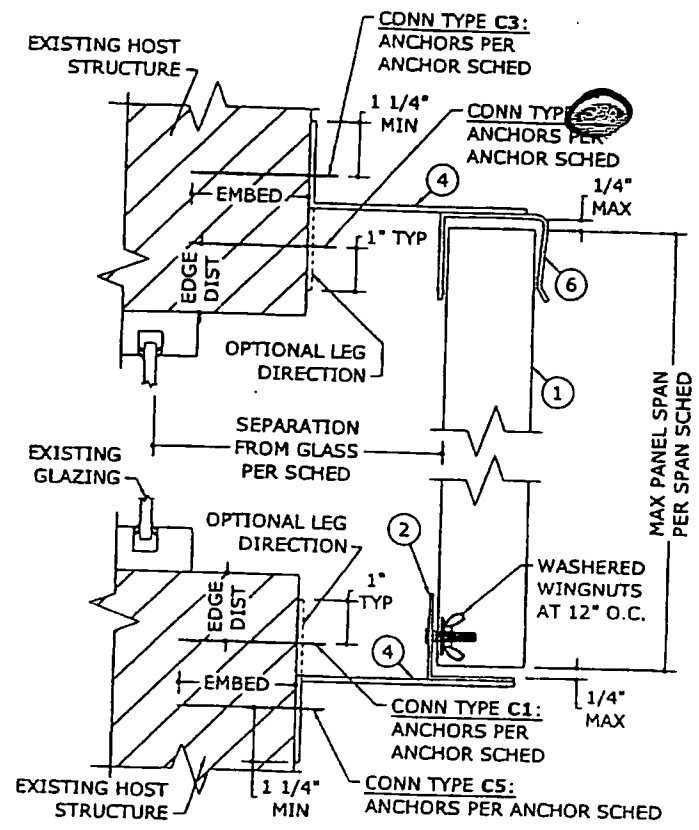
06-FSC-0007
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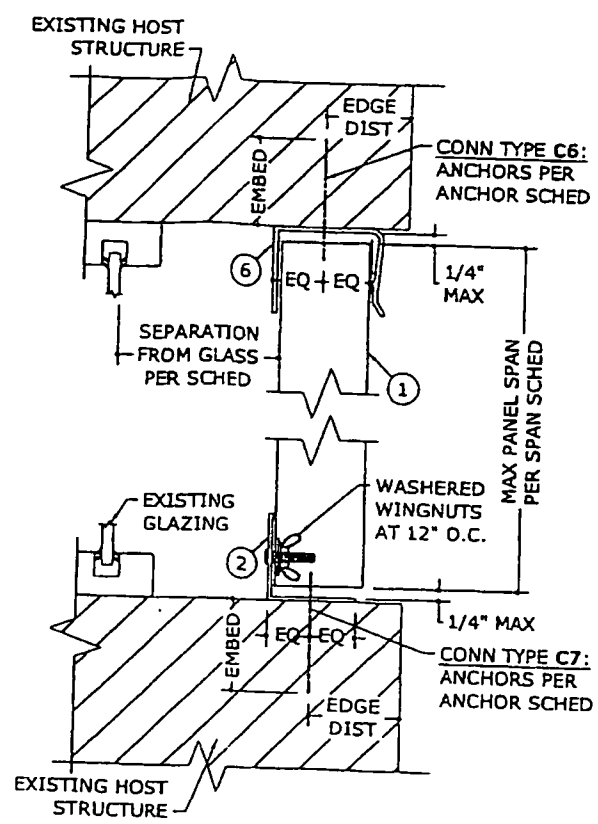
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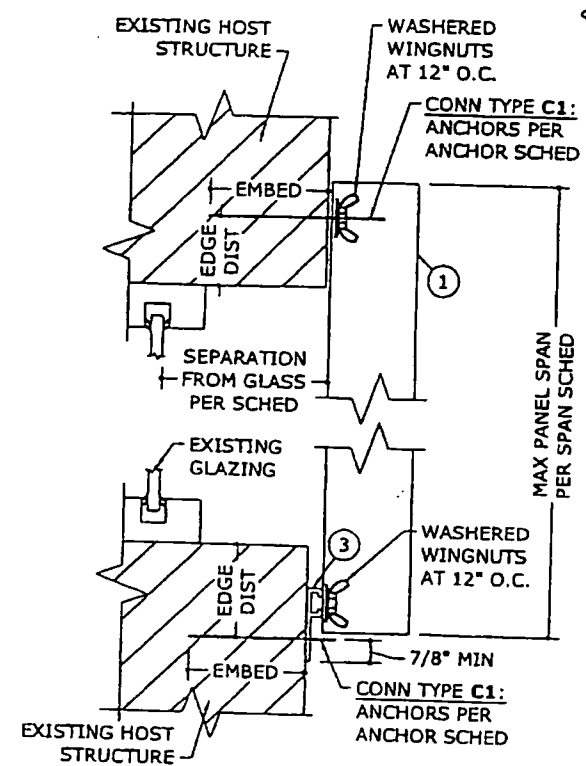
1 "h" HEADER - STUD ANGLE (WALL)
2 3" = 1'-0" MOUNTING SECTION



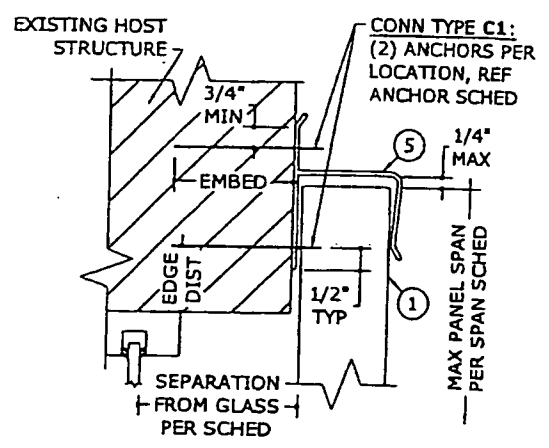
2 BUILDOUT "U" HEADER - BUILDOUT STUD ANGLE
2 3" = 1'-0" MOUNTING SECTION



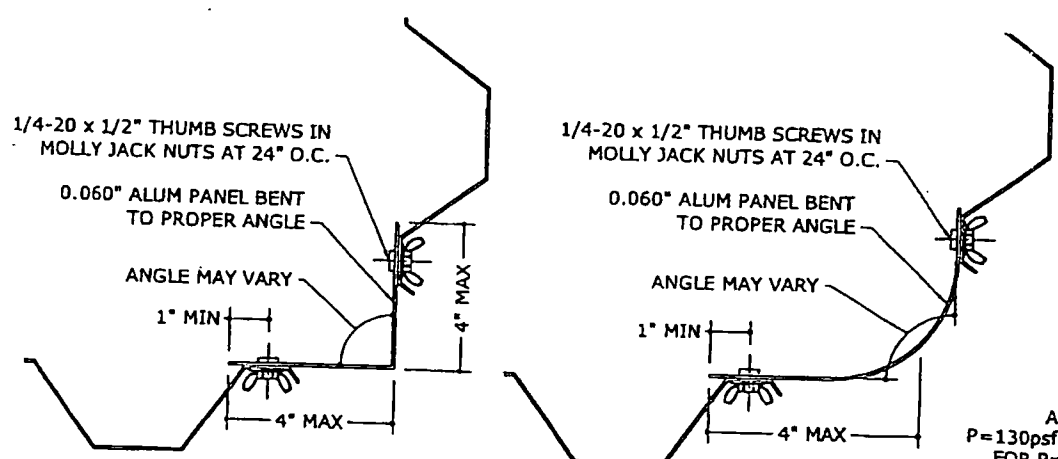
3 "U" HEADER - STUD ANGLE (TRAP)
2 3" = 1'-0" MOUNTING SECTION



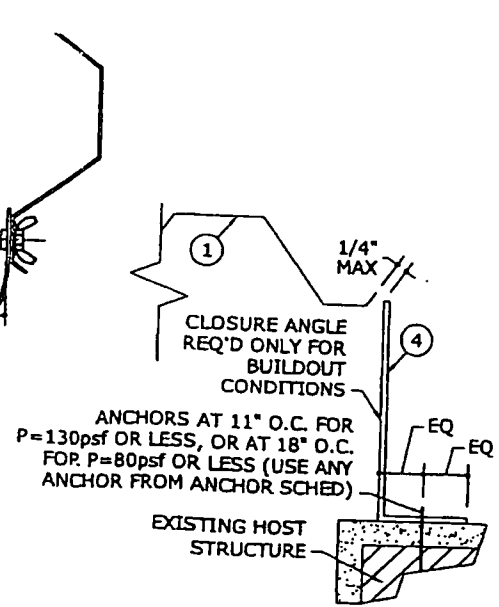
4 DIRECT MOUNT - "F" TRACK
2 3" = 1'-0" MOUNTING SECTION



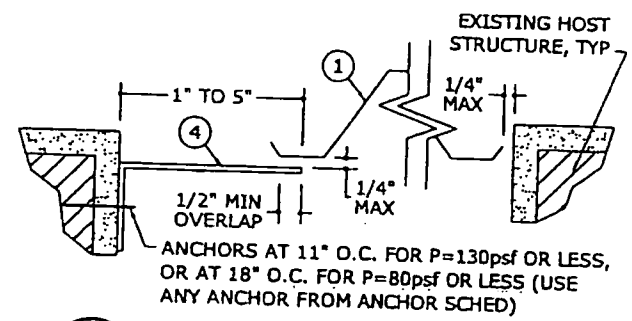
1 ALTERNATE "h" HEADER MOUNT
2 3" = 1'-0" MOUNTING SECTION



6 CORNER CLOSURES
2 N.T.S. PLAN VIEW



7 BUILD-OUT CLOSURE
2 3" = 1'-0" PLAN VIEW



8 TRAP MOUNT CLOSURE
2 3" = 1'-0" PLAN VIEW

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PE0046549

03/03/2008

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"TITAN" 0.060" ALUMINUM STORM PANEL
FLORIDA STATE PRODUCT APPROVAL

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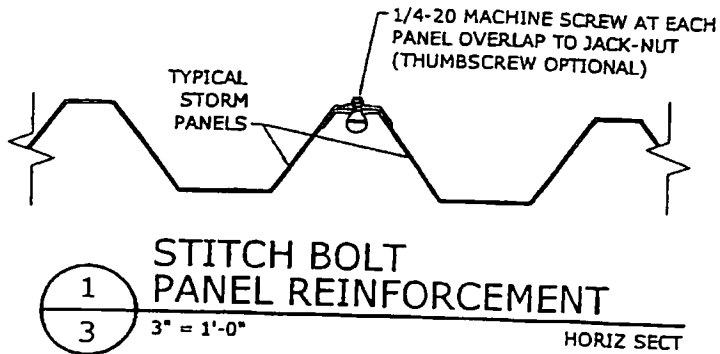


TABLE 1
MAX SPAN SCHEDULE

POSITIVE OR NEGATIVE LOADS (PSF)	MAX. PANEL SPAN FOR POSITIVE LOAD	MAX. PANEL SPAN FOR NEGATIVE LOAD
45.33	10' - 4"	10' - 10"
50.0	10' - 0"	10' - 7"
55.0	9' - 9"	10' - 2"
60.0	9' - 6"	9' - 10"
65.0	9' - 3"	9' - 8"
70.0	9' - 0"	9' - 5"
74.0	8' - 10"	9' - 2"
75.0	8' - 10"	9' - 1"
78.0	8' - 10"	9' - 0"
80.0	8' - 9"	8' - 9"
85.0	8' - 3"	8' - 3"
90.0	7' - 9"	7' - 9"
95.0	7' - 4"	7' - 4"
99.33	7' - 0"	7' - 1"
100.0	7' - 0"	7' - 0"
105.0	6' - 8"	6' - 8"
110.0	6' - 4"	6' - 4"
115.0	6' - 1"	6' - 1"
120.0	5' - 10"	5' - 10"
125.0	5' - 7"	5' - 7"
130.0	5' - 5"	5' - 5"

TABLE 2
MIN GLASS SEPARTION SCHEDULE

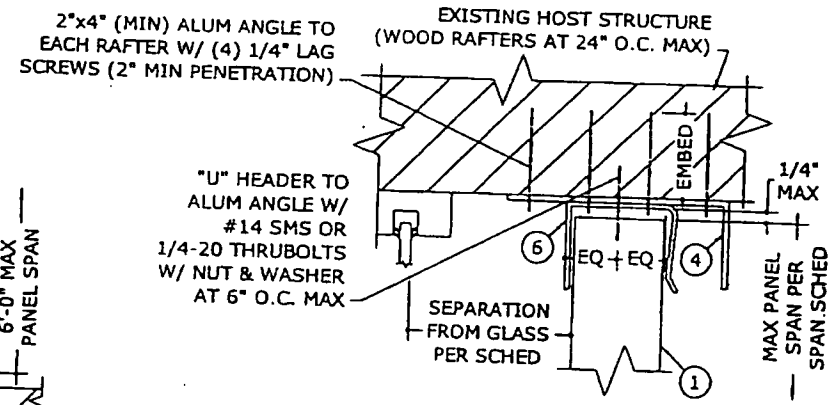
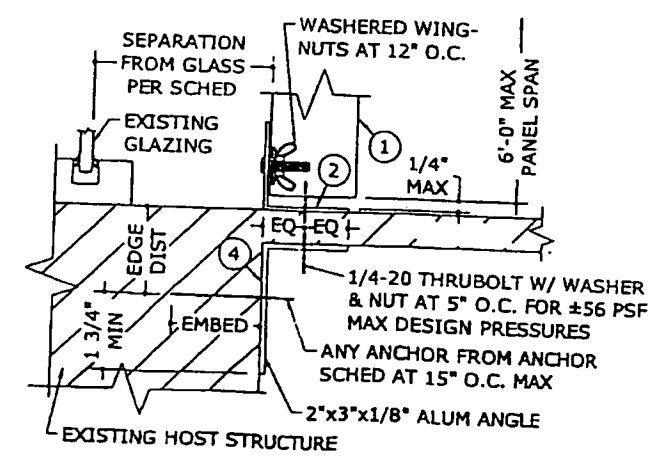
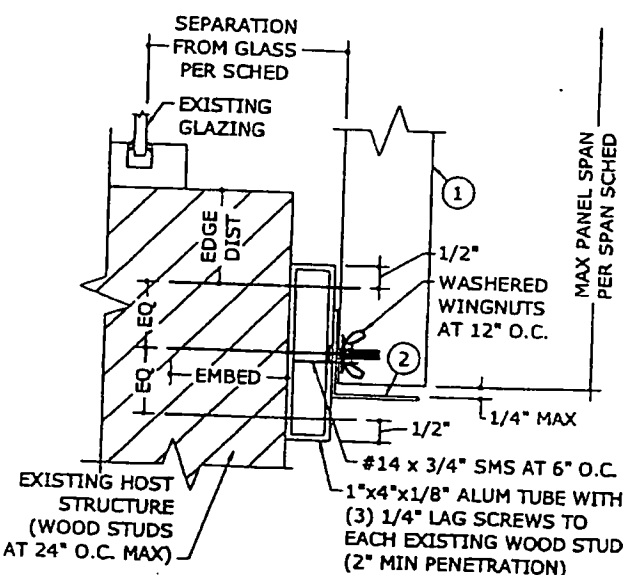
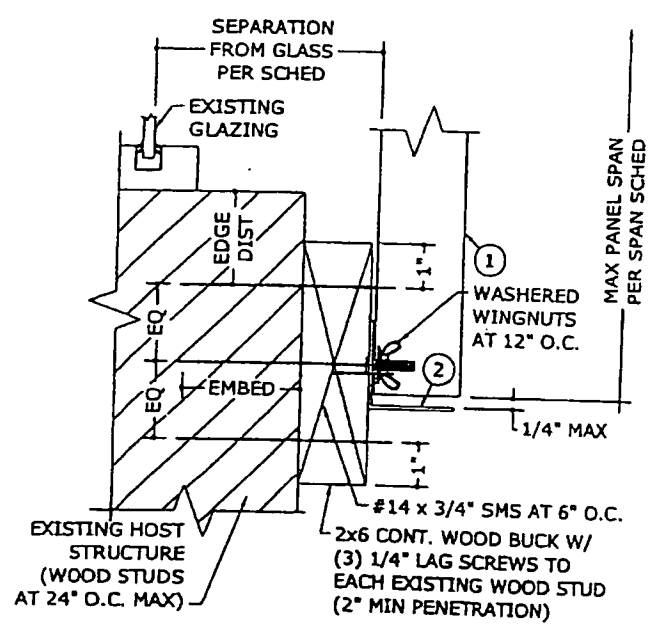
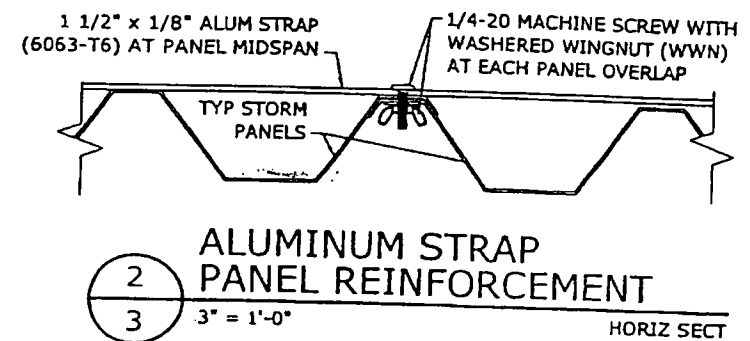
POSITIVE DESIGN LOADS (PSF)	SPAN	MIN. SEPARATION FOR INSTALLATIONS < 30FT ABOVE GRADE	MIN. SEPARATION FOR INSTALLATIONS > 30FT ABOVE GRADE
40	5'-5"	2.38"	1.13"
	8'-1"	2.61"	1.66"
	10'-10"	3.50"	3.13"
50	5'-5"	2.38"	1.17"
	8'-1"	2.61"	1.83"
	10'-10"	3.69"	3.69"
60	5'-5"	2.38"	1.21"
	8'-1"	2.61"	2.04"
	10'-10"	4.37"	4.37"
70	5'-5"	2.38"	1.26"
	8'-1"	2.61"	2.27"
	10'-10"	5.11"	5.11"
80	5'-5"	2.38"	1.28"
	8'-1"	2.61"	2.39"
	10'-10"	5.48"	5.48"
90	5'-5"	2.38"	1.33"
	8'-1"	2.66"	2.66"
	10'-10"	6.35"	6.35"
100	5'-5"	2.38"	1.39"
	8'-1"	2.96"	2.96"
	10'-10"	7.31"	7.31"

SPAN SCHEDULE NOTES:

1. SPANS SHOWN IN "MAX SPAN SCHEDULE" ABOVE ARE MAXIMUM ALLOWABLE SPANS AT EACH RESPECTIVE DESIGN PRESSURE. THIS SCHEDULE MAY BE USED FOR ALL PANELS MOUNTED WITH ANY COMBINATION OF EXTRUSIONS OR DIRECTLY TO HOST STRUCTURE.
2. TABLES ABOVE ARE VALID FOR PANELS MOUNTED HORIZONTALLY OR VERTICALLY.
3. FOR DESIGN LOADS BETWEEN TABULATED VALUES USE NEXT HIGHER LOAD, OR LINEAR INTERPOLATION MAY BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER TO DETERMINE ALLOWABLE SPANS.

GLASS SEPARATION SCHEDULE NOTES:

1. MINIMUM DISTANCE BETWEEN GLAZING AND STORM PANELS NOTED ABOVE APPLIES TO ALL MOUNTING CONDITIONS, UNLESS NOTED OTHERWISE.
2. FOR DESIGN LOADS & SPANS BETWEEN TABULATED VALUES USE NEXT HIGHER VALUE, OR LINEAR INTERPOLATION MAY BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER TO DETERMINE MINIMUM SEPARATION FROM GLASS.



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03/03/2006

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"TITAN" 0.060" ALUMINUM
STORM PANEL
FLORIDA STATE PRODUCT APPROVAL

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 06/23/2006 1:00pm
 company

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"TITAN" 0.060" ALUMINUM
STORM PANEL
FLORIDA STATE PRODUCT APPROVAL

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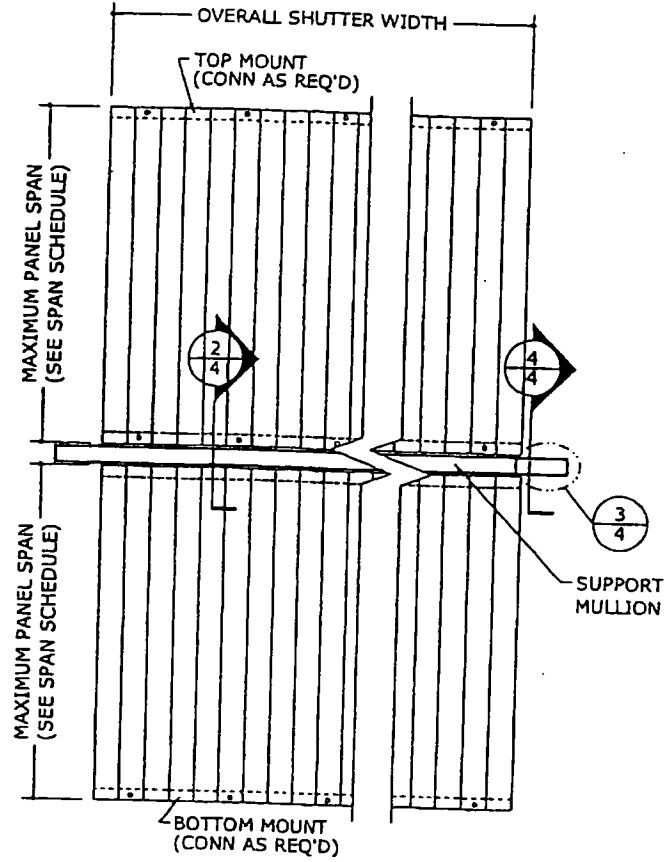
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TABLE 3
MULLION SPAN SCHEDULE

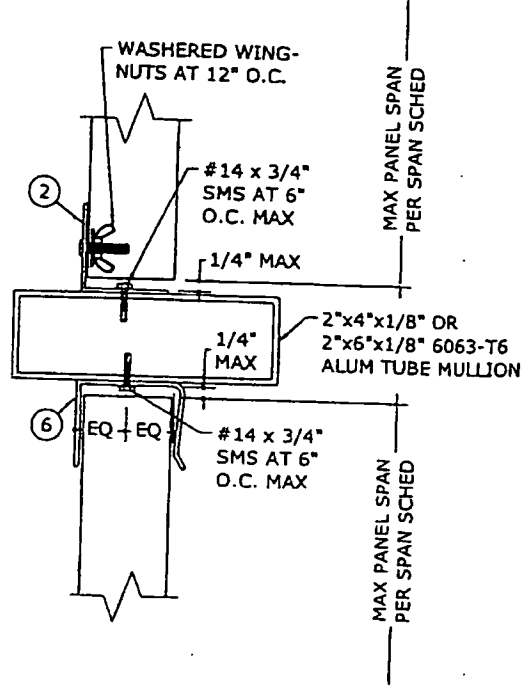
	PANEL SPAN	DESIGN PRESSURE	BEAM SPAN
2" x 4" MULLION	65" (5'-5")	40 PSF	88.9" (7'-4")
	90" (7'-6")		79.8" (6'-7")
	130" (10'-10")		70.3" (5'-10")
2" x 4" MULLION	65" (5'-5")	55 PSF	80.0" (6'-7")
	90" (7'-6")		71.8" (5'-11")
	130" (10'-10")		60.0" (4'-11")
2" x 4" MULLION	65" (5'-5")	70 PSF	73.8" (6'-1")
	90" (7'-6")		63.8" (5'-3")
	130" (10'-10")		53.2" (4'-5")
2" x 6" MULLION	65" (5'-5")	40 PSF	125.1" (10'-5")
	90" (7'-6")		112.1" (9'-4")
	130" (10'-10")		95.1" (7'-11")
2" x 6" MULLION	65" (5'-5")	55 PSF	112.5" (9'-4")
	90" (7'-6")		97.4" (8'-1")
	130" (10'-10")		81.5" (6'-3")
2" x 6" MULLION	65" (5'-5")	70 PSF	101.4" (8'-5")
	90" (7'-6")		86.6" (7'-2")
	130" (10'-10")		72.4" (6'-0")

MULLION SPAN SCHEDULE NOTES:

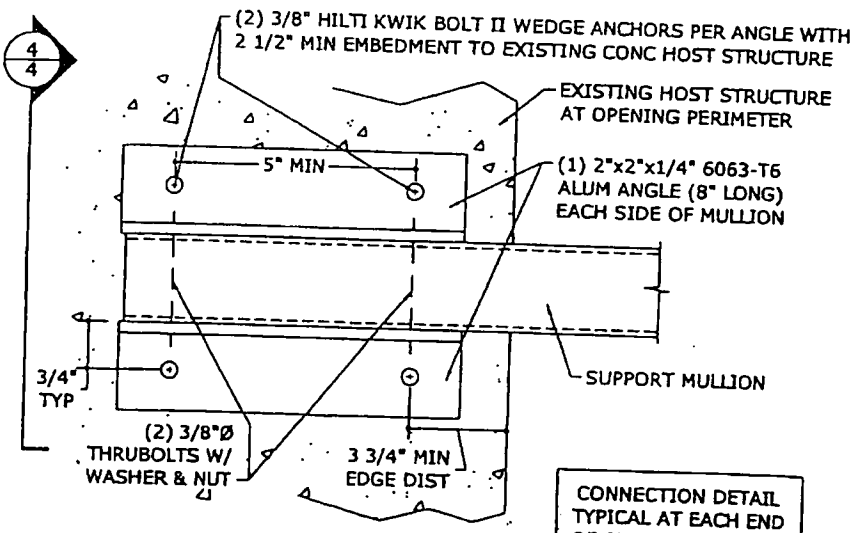
1. BEAM SPANS SHOWN IN SCHEDULE ABOVE ARE MAXIMUM ALLOWABLE SPANS AT EACH RESPECTIVE DESIGN PRESSURE AND PANEL SPAN.
2. TABLES ABOVE ARE VALID FOR PANELS MOUNTED HORIZONTALLY OR VERTICALLY, WITH BEAM SPAN ALWAYS PERPENDICULAR TO PANEL SPAN.
3. FOR DESIGN LOADS OR PANEL SPANS BETWEEN TABULATED VALUES USE NEXT HIGHER LOAD AND/OR SPAN, OR LINEAR INTERPOLATION MAY BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER TO DETERMINE ALLOWABLE BEAM SPANS.



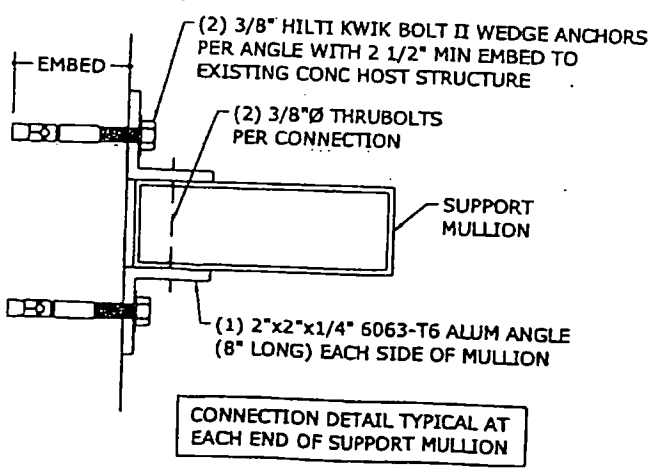
1
4
TYPICAL ELEVATION (SUPPORT MULLION)
N.T.S.



2
4
PANEL CONNECTION TO SUPPORT MULLION
3" = 1'-0" MOUNTING SECTION



3
4
MULL CONNECTION TO HOST STRUCTURE
N.T.S. EXTER ELEVATION



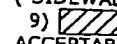
4
4
MULL CONNECTION TO HOST STRUCTURE
N.T.S. VERT SECTION

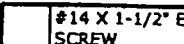
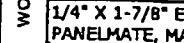
TABLE 3

ANCHOR SCHEDULE

HOST STRUCT.	ANCHOR	LOAD (psf)	2-1/2" MIN EDGE DISTANCE																				
			Spans Up To 6'-0"							Spans Up To 8'-8"							Spans Up To 10'-10"						
			CONN TYPE							CONN TYPE							CONN TYPE						
C1	C2	C3	C4	C5	C6	C7	C1	C2	C3	C4	C5	C6	C7	C1	C2	C3	C4	C5	C6	C7			
CONCRETE	1/4" x 1-3/4" EMBED ELCO TAPCON (3320psi MIN CONC)	39	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	
		49	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	
		58	24.0"	20.0"	18.8"	24.0"	23.7"	24.0"	16.5"	23.1"	10.2"	10.8"	23.1"	11.8"	17.3"	11.4"	18.4"	7.3"	8.1"	18.4"	8.4"	13.9"	9.1"
		72	24.0"	13.2"	13.4"	24.0"	15.3"	24.0"	12.4"	8.2"	16.5"	6.3"	8.1"	18.6"	8.5"	14.0"	9.2"	16.5"	6.3"	7.0"	15.4"	7.1"	12.4"
	#14 SMS W/ POWERS SCRU-LEAD x 1-1/2" EMBED (3000psi MIN CONC)	39	23.1"	23.1"	19.0"	23.1"	23.1"	17.3"	9.0"	16.0"	9.9"	7.0"	15.4"	7.1"	12.4"	8.2"	16.5"	6.3"	7.0"	15.4"	7.1"	12.4"	8.2"
		49	18.4"	14.0"	11.7"	18.4"	17.1"	13.8"	7.2"	12.7"	6.3"	6.4"	12.7"	7.4"	9.6"	5.0"	10.2"	4.4"	4.7"	10.2"	5.0"	7.6"	4.0"
		58	15.5"	9.3"	8.7"	15.5"	11.1"	11.7"	6.1"	10.7"	4.8"	5.0"	10.7"	5.5"	8.1"	4.2"	8.6"	3.4"	3.8"	8.6"	3.9"	6.5"	3.4"
		72	12.5"	6.1"	6.3"	12.5"	7.1"	9.4"	4.9"	8.7"	3.4"	3.8"	8.7"	3.9"	6.5"	3.4"	7.7"	2.9"	3.3"	7.2"	3.3"	5.8"	3.0"
	1/4" x 7/8" EMBED POWERS CALK-IN (3000psi MIN CONC)	39	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	19.0"	24.0"	21.9"	20.2"	24.0"	24.0"	24.0"	13.2"	24.0"	14.0"	14.2"	24.0"	16.3"	21.1"	10.5"
		49	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	18.8"	24.0"	15.3"	15.5"	24.0"	17.8"	23.1"	13.0"	24.0"	10.6"	11.3"	24.0"	12.2"	18.5"	10.4"
		58	24.0"	20.5"	19.2"	24.0"	24.0"	24.0"	12.8"	23.6"	10.5"	11.1"	23.6"	12.1"	17.7"	8.9"	18.9"	7.5"	8.3"	18.9"	8.6"	14.2"	7.1"
		72	24.0"	13.5"	13.7"	24.0"	15.7"	20.6"	10.3"	19.0"	7.6"	8.3"	19.0"	8.7"	14.3"	7.1"	16.9"	6.4"	7.2"	15.7"	7.3"	12.7"	6.3"
1/4" x 1-3/4" EMBED ELCO PANELMATE, MALE OR FEMALE (3323psi MIN CONC)	39	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	23.7"	24.0"	24.0"	22.2"	24.0"	24.0"	24.0"	16.4"	24.0"	15.4"	15.6"	24.0"	18.0"	23.2"	13.1"	
	49	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	18.8"	24.0"	15.3"	15.5"	24.0"	17.8"	23.1"	13.0"	24.0"	10.6"	11.3"	24.0"	12.2"	18.5"	10.4"	
	58	24.0"	22.6"	21.1"	24.0"	24.0"	24.0"	15.9"	24.0"	11.5"	12.2"	24.0"	13.3"	19.5"	11.0"	20.8"	8.3"	9.1"	20.8"	9.4"	15.6"	8.8"	
	72	24.0"	14.8"	15.1"	24.0"	17.2"	22.7"	12.8"	20.9"	8.3"	9.2"	20.9"	9.5"	15.7"	8.9"	18.5"	7.0"	7.9"	17.3"	8.0"	13.9"	7.9"	
1/4" x 1-1/8" EMBED POWERS ZAMAC NAILIN (3000psi MIN CONC)	39	24.0"	24.0"	21.4"	24.0"	24.0"	19.6"	12.3"	18.0"	11.2"	10.3"	18.0"	13.3"	13.5"	8.5"	14.4"	7.2"	7.3"	14.4"	8.4"	10.8"	6.8"	
	49	20.7"	15.8"	13.2"	20.7"	19.3"	15.6"	9.8"	14.3"	7.1"	7.2"	14.3"	8.3"	10.8"	6.8"	11.5"	4.9"	5.3"	11.5"	5.7"	8.6"	5.4"	
	58	17.5"	10.5"	9.9"	17.5"	12.5"	13.2"	8.3"	12.1"	5.4"	5.7"	12.1"	6.2"	9.1"	5.7"	9.7"	3.9"	4.2"	9.7"	4.4"	7.3"	4.6"	
	72	14.1"	6.9"	7.1"	14.1"	8.0"	10.6"	6.7"	9.8"	3.9"	4.3"	9.8"	4.4"	7.3"	4.6"	8.7"	3.3"	3.7"	8.7"	4.1"	6.5"	4.1"	
HOLLOW BLOCK	1/4" x 1-1/4" EMBED ELCO TAPCON	39	22.4"	22.4"	18.4"	22.4"	22.4"	16.8"	14.5"	15.5"	9.6"	8.9"	15.5"	11.5"	11.6"	10.0"	12.4"	6.2"	6.3"	12.4"	7.2"	9.3"	8.0"
		49	17.8"	13.6"	11.4"	17.8"	16.6"	13.4"	11.5"	12.3"	6.1"	6.2"	12.3"	7.1"	9.3"	8.0"	9.9"	4.2"	4.5"	9.9"	4.9"	7.4"	6.4"
		58	15.1"	9.1"	8.5"	15.1"	10.7"	11.3"	9.7"	10.4"	4.6"	4.9"	10.4"	5.3"	7.8"	6.7"	8.3"	3.3"	3.6"	8.3"	3.8"	6.3"	5.4"
		72	12.1"	6.0"	6.1"	12.1"	6.9"	9.1"	7.8"	8.4"	3.3"	3.7"	8.4"	3.8"	6.3"	5.4"	7.4"	3.2"	3.2"	6.9"	3.2"	5.6"	4.8"
	1/4" x 7/8" EMBED POWERS CALK-IN	39	20.3"	20.3"	16.7"	20.3"	20.3"	15.3"	11.0"	14.1"	8.8"	8.1"	14.1"	10.4"	10.6"	7.6"	11.2"	5.6"	5.7"	11.2"	6.5"	8.5"	6.1"
		49	16.2"	12.3"	10.3"	16.2"	15.0"	12.1"	8.8"	11.2"	5.6"	5.6"	11.2"	6.5"	8.4"	6.1"	9.0"	3.9"	4.1"	9.0"	4.4"	6.7"	4.9"
		58	13.7"	8.2"	7.7"	13.7"	9.7"	10.3"	7.4"	9.5"	4.2"	4.4"	9.5"	4.8"	7.1"	5.1"	7.6"	3.0"	3.3"	7.6"	3.4"	5.7"	4.1"
		72	11.0"	5.4"	5.5"	11.0"	6.3"	8.3"	6.0"	7.6"	3.0"	3.3"	7.6"	3.5"	5.7"	4.1"	6.7"	2.9"	2.9"	6.3"	2.9"	5.1"	3.7"
	1/4" x 1-3/4" EMBED ELCO PANELMATE, MALE OR FEMALE	39	24.0"	24.0"	23.0"	24.0"	24.0"	21.0"	12.1"	19.4"	12.1"	11.1"	19.4"	14.3"	14.6"	8.4"	15.5"	7.7"	7.8"	15.5"	9.0"	11.6"	6.7"
		49	22.3"	17.0"	14.2"	22.3"	20.7"	16.7"	9.6"	15.4"	7.7"	7.8"	15.4"	8.9"	11.6"	6.7"	12.3"	5.3"	5.7"	12.3"	6.1"	9.3"	5.3"
		58	18.8"	11.3"	10.6"	18.8"	13.4"	14.1"	8.1"	13.0"	5.8"	6.1"	13.0"	6.7"	9.8"	5.6"	10.4"	4.1"	4.6"	10.4"	4.7"	7.8"	4.5"
		72	15.2"	7.4"	7.6"	15.2"	8.6"	11.4"	6.5"	10.5"	4.2"	4.6"	10.5"	4.8"	7.9"	4.5"	9.3"	3.5"	3.9"	9.3"	4.0"	7.0"	4.0"
1/4" x 1-1/8" EMBED POWERS ZAMAC NAILIN	39	24.0"	24.0"	20.6"	24.0"	24.0"	18.8"	13.1"	17.4"	10.8"	10.0"	17.4"	12.8"	13.0"	9.1"	13.9"	6.9"	7.0"	13.9"	8.1"	10.4"	7.3"	
	49	20.0"	15.2"	12.8"	20.0"	18.6"	15.0"	10.4"	13.8"	6.9"	7.0"	13.8"	8.0"	10.4"	7.2"	11.0"	4.8"	5.1"	11.0"	5.5"	8.3"	5.8"	
	58	16.9"	10.1"	9.5"	16.9"	12.0"	12.7"	8.8"	11.7"	5.2"	5.5"	11.7"	6.0"	8.8"	6.1"	9.3"	3.7"	4.1"	9.3"	4.2"	7.0"	4.9"	
	72	13.6"	6.7"	6.8"	13.6"	7.7"	10.2"	7.1"	9.4"	3.7"	4.1"	9.4"	4.3"	7.1"	4.9"	8.3"	3.2"	3.5"	8.3"	3.6"	6.3"	4.4"	

ANCHOR NOTES:

- 1) "ELCO PANELMATE" ANCHORS FOR USE IN CONCRETE, HOLLOW BLOCK, OR WOOD MAY BE MALE OR FEMALE, AS ILLUSTRATED.
- 2) ENSURE MINIMUM 2-1/2" EDGE DISTANCE FOR ALL ANCHORS TO CONCRETE & TO HOLLOW BLOCK. EDGE DISTANCE OF 3/4" IS ACCEPTABLE FOR ANCHORS TO WOOD.
- 3) MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
- 4) ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- 5) WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
- 6) WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x4 (MIN) WOOD STUD (i.e. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR ANCHORS TO WOOD FRAMING). WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER SPECIFIC GRAVITY.
- 7) ANCHOR SCHEDULE APPLIES FOR ALL PRODUCTS CERTIFIED HEREIN, BUT ONLY PROVIDES MAXIMUM ALLOWABLE ANCHOR SPACING. MAXIMUM ALLOWABLE SPANS AND PRESSURES INDICATED IN SPAN SCHEDULE SHALL APPLY.
- 8) MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFER HEAD ("SIDEWALK BOLT") U.N.O.
- 9)  DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE FOR USE.
- 10) * DESIGNATES REMOVABLE ANCHORS WHICH ARE ACCEPTABLE FOR USE IN DIRECT MOUNT CONDITIONS.

WOOD	ANCHOR	LOAD (psf)	3/4" MIN EDGE DISTANCE																				
			C1	C2	C3	C4	C5	C6	C7	C1	C2	C3	C4	C5	C6	C7	C1	C2	C3	C4	C5	C6	C7
#14 X 1-1/2" EMBED WOOD SCREW		39	24.0"	24.0"	24.0"	24.0"	24.0"	24.0"	13.7"	24.0"	22.1"	20.4"	24.0"	24.0"	24.0"	9.5"	24.0"	14.2"	14.4"	24.0"	16.5"	21.4"	7.6"
		58	24.0"	20.8"	19.5"	24.0"	24.0"	24.0"	9.2"	23.9"	10.6"	11.2"	23.9"	12.2"	18.0"	6.4"	19.1"	7.6"	8.4"	19.1"	8.7"	14.4"	5.1"
		72	24.0"	13.7"	13.9"	24.0"	15.9"	20.9"	7.4"	19.3"	7.7"	8.4"	19.3"	8.8"	14.5"	5.2"	17.1"	6.5"	7.2"	15.9"	7.4"	12.8"	4.6"
		130	17.1"	6.5"	7.2"	15.9"	7.4"	12.8"	4.6"	17.1"	6.5"	7.2"	15.9"	7.4"	12.8"	4.6"	17.1"	6.5"	7.2"	15.9"	7.4"	12.8"	4.6"
1/4" x 1-7/8" EMBED ELCO PANELMATE, MALE OR FEMALE		39	24.0"	24.0"	24.0"	24.0"	24.0"	20.5"	24.0"	24.0"	24.0"	24.0"	24.0"	14.2"	24.0"	14.2"	18.7"	18.9"	24.0"	21.7"	24.0"	11.4"	
		49	24.0"	24.0"	24.0"	24.0"	24.0"	16.4"	24.0"	18.5"	18.8"	24.0"	21.5"	24.0"	11.3"	24.0"	12.8"	13.7"	24.0"	14.7"	22.4"	9.1"	
		58	24.0"	24.0"	24.0"	24.0"	24.0"	16.4"	24.0"	18.5"	18.8"	24.0"	21.5"	24.0"	11.3"	24.0"	12.8"	13.7"	24.0"	14.7"	22.4"	9.1"	
		72	24.0"	18.0"	18.3"	24.0"	20.9"	24.0"	11.1"	24.0"	10.1"	11.1"	24.0"	11.5"	19.0"	7.7"	22.4"	8.5"	9.5"	20.9"	9.7"	16.8"	6.8"
130	22.4"	8.5"	9.5"	20.9"	9.7"	16.8"	6.8"	22.4"	8.5"	9.5"	20.9"	9.7"	16.8"	6.8"	22.4"	8.5"	9.5"	20.9"	9.7"	16.8"	6.8"		

FRANK L. BENNARDO, P.E.
PE0046549

03/03/2006

FRANK L. BENNARDO, P.E., INC.
CONSULTING ENGINEERS
4441 N. DIXIE HIGHWAY
BOCA RATON, FL 33431
PH: (561) 391-2888 FAX: (561) 391-2862
CERTIFICATE OF AUTHORIZATION: #9885

FOLDING SHUTTER CORP
7089 HENNSTREET PLACE
WEST PALM BEACH, FL 33413
www.foldingshutters.com

"TITAN" 0.060" ALUMINUM
STORM PANEL
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DATE
DRWN: CHKD: DATE: 3/2/2006	
CL: FLB:	
CL:	

COPYRIGHT FRANK L. BENNARDO P.E.
06-FSC-0007
SCALE: 1/8" = 1'-0"
PAGE DESCRIPTION: 01

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F:\01 Project Files\Folding Shutter Corp. \FSC\12006 Jobs\06-FSC-0007 0.060" Alum Storm Panel (FSA)\06-FSC-0007_00a.060" Alum Storm Panel (FSA).dwg

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri 8-15, 2007 Page 1 of 2

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
1338	M. [unclear]	Preliminary		
726	59 N River Rd Pro Orchard	Final		Cancel
				INSPECTOR:
6282	Lewis	Final -	FAIL	
9	43 Rio Vista	(^{PHUE} Set file)		
11:00 AM	Advantage Foods	(OLD PERMIT)		INSPECTOR: <i>[Signature]</i>
8656	Genes @ Swari	Final	PASS	CLOSE
4	53 Sewalls Pt			
	Folding Shutter			INSPECTOR: <i>[Signature]</i>
Tree	Cartwell	Tree	PASS	
7	34 Castle Hill			
	OB			INSPECTOR: <i>[Signature]</i>
0084	Foole	Exterior stair footing	PASS	
6	94 N Sewalls Pt			
	Walter White			INSPECTOR: <i>[Signature]</i>
8660	Giachino	Deadman	PASS	
2	19 Simara St			
	Am Eagle			INSPECTOR: <i>[Signature]</i>
8671	Kellman	Final	PASS	CLOSE
8	8 Quail Run			
	Stuart Fence			INSPECTOR: <i>[Signature]</i>
OTHER:	Walters	WINDOWS/DOOR BUCKS	PASS	
8679	70 N. River			
	HG Const.			<i>[Signature]</i>

9478

ENCLOSE PORCH



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:	9478	DATE ISSUED:	06/18/2010
SCOPE OF WORK:	ENCLOSE EXISTING PORCH		
CONDITIONS :			
CONTRACTOR:	JAME M. THOMAS		
PARCEL CONTROL NUMBER:	013841011000000107	SUBDIVISION	RIDGELAND <i>Lot 1</i>
CONSTRUCTION ADDRESS:	53 S. SEWALL'S POINT RD.		
OWNER NAME:	AKRAWI		
QUALIFIER:	JAMES M. THOMAS	CONTACT PHONE NUMBER:	772-370-1562

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.

12-21 called for final



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

BUILDING PERMIT RECEIPT

PERMIT NUMBER:	9478		
ADDRESS	53 S. SEWALL'S POINT RD.		
DATE:	06/18/2010	SCOPE:	ENCLOSE PORCH

SINGLE FAMILY OR ADDITION /REMODEL	Declared Value	\$	19,237.00
Plan Submittal Fee (\$350.00 SFR, \$175.00 Remodel < \$200K) (No plan submittal fee when value is less than \$100,000)		\$	
Total square feet air-conditioned space: (@ \$110.25 per sq. ft.)		s.f.	
Total square feet non-conditioned space: (@ \$51.60 per sq. ft.)		s.f.	
Total Construction Value:		\$	
Building fee: (2% of construction value SFR or >\$200K)		\$	
Building fee: (1% of construction value < \$200K + \$75 per insp.)			192.37
Total number of inspections (Value < \$200K) @\$75 ea.		\$	
Radon Fee (\$.005 per sq. ft. under roof):		\$	
DBPR Licensing Fee: (\$.005 per sq. ft. under roof)		\$	
Road impact assessment: (.04% of construction value - \$5.00 min.)			
Martin County Impact Fee:		\$	
TOTAL BUILDING PERMIT FEE:		\$	

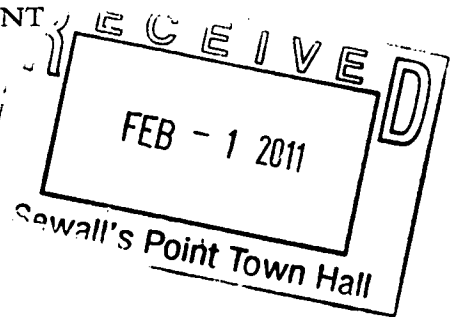
ACCESSORY PERMIT	Declared Value:	\$	
Total number of inspections @ \$75.00 each	6	\$	450.00
Road impact assessment: (.04% of construction value - \$5.00 min.)		\$	7.69
TOTAL ACCESSORY PERMIT FEE:		\$	650.06

Pa CK 2948 \$1200⁰⁶
 2 permits 9478 + 9479

OK



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



VERIFICATION OF CONTRACTOR

BUILDING PERMIT NUMBER: 9478

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

OWNERS NAME: Dr. Ann Akraw / Carol Gesser

CONSTRUCTION ADDRESS: 53 S. SEWALLS PT. ROAD

PERMIT TYPE: RESIDENTIAL COMMERCIAL

- ELECTRIC
- PLUMBING
- HVAC
- IRRIGATION
- FUEL GAS
- ROOFING

TYPE OF SERVICE: NEW SERVICE EXISTING SERVICE OTHER

SCOPE OF WORK: ADD 2 AC DROPS + 1 RETURN (TIE INTO EXISTING SYSTEM)

VALUE OF CONSTRUCTION \$ _____

LOW VOLTAGE

TYPE OF EQUIPMENT: SECURITY VACUUM SOUND SYSTEM LANDSCAPE OTHER

SCOPE OF WORK: _____ VALUE _____

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

SIGNATURE OF LICENSED CONTRACTOR: [Signature] ADDRESS OF CONTRACTOR: 3044 SE DOMINICA TERR. SUWANEE 34997

COMPANY OR QUALIFIER'S NAME: CENTURY AC

TELEPHONE NO: 772-781-3040 FAX NO: 772-781-3831

MUNICIPALITY OR STATE OF FLORIDA CONTRACTOR'S LICENSE NUMBER: CACO 57676

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

VERIFICATION OF PARCEL CONTROL NUMBER

OWNER'S FULL NAME AS STATED ON DEED: AKRAW

PARCEL CONTROL #: 013841011000000107

SUBDIVISION: RIDGELAND LOT: 1 BLK: _____ PHASE: _____

SITE ADDRESS: 53 S. SEWALLS POINT ROAD

SEND OR FAX TO: TOWN OF SEWALL'S POINT BUILDING DEPARTMENT

**Town of Sewall's Point
BUILDING PERMIT APPLICATION**

Permit Number: 9478

Date: 5/13/10

OWNER/TITLEHOLDER NAME: ANIS Y AKRAWI Phone (Day) (772) 221-8357 (Fax) _____

Job Site Address: 53 South Sewall's Pt. Rd City: STUART State: FL Zip: 34996

Legal Description: LOT 1, RIDGELAND TOWN OF SEWALL'S PT. Parcel Control Number: 01-38-41-011-000-00010-7

Owner Address (if different): 36 South River Rd Sewall's Pt. City: STUART State: FL Zip: 34996

Scope of work (please be specific): ENCLOSE EXISTING PORCH RECONSTRUCT PER POOL EQUIPMENT SHED

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: \$ 25,000 (Notice of Commencement required when over \$2500 prior to first inspection \$7 500 on HVAC change)

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: JAMES M. THOMAS, INC. Phone: (772) 370-1562 Fax: (772) 878-4234

Street: P O BOX 85-7171 2426 SW HUNTERMAN ST. City: POINCIPE State: FL Zip: 34985

State License Number: CGCA06928 OR: Municipality _____ License Number: _____

LOCAL CONTACT: JAMES M. THOMAS Phone Number: (772) 370-1562

DESIGN PROFESSIONAL: JOE McCARTY Lic# 9639 Phone Number: (772) 287-6735

Street: 900 EAST OSCOLA ST City: STUART State: FL Zip: 34994

AREAS SQUARE FOOTAGE: Living: _____ Garage: _____ Covered Patios/ Porches: 393 Enclosed Storage: _____

Carport: _____ Total under Roof _____ Elevated Deck: _____ Enclosed area below _____
* Enclosed non-habitable areas below the Base Flood Elevation greater than 300 sq. ft. require a Non-Conversion Code Permit Application

CODE EDITIONS IN EFFECT THIS APPLICATION: Florida Building Code (Structural, Mechanical, Plumbing, Electrical, 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)
ACR

State of Florida, County of: MARTIN

This the 5th day of MAY, 2010

by ANIS Y AKRAWI who is personally known to me or produced

as identification: Pauline M. Talley
Notary Public

My Commission Expires: JUNE 5, 2012

CONTRACTOR SIGNATURE: (required)
JAMES M. THOMAS, INC.

On State of Florida, County of: SAINT LUCIE

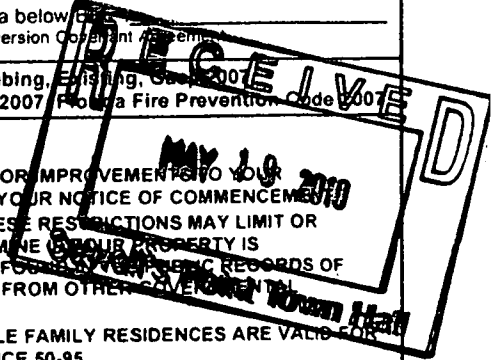
This the 13th day of MAY, 2010

by James M. Thomas who is personally known to me or produced FL DL

As identification: Trina Thomas
Notary Public

My Commission Expires: 10-22-13

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 FROM DATE OF APPROVAL. PLEASE PICK UP YOUR PERMIT PROMPTLY!



Handwritten initials/signature on the left margin.



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

OK

VERIFICATION OF CONTRACTOR

BUILDING PERMIT NUMBER: ~~7576~~ 49479

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

OWNERS NAME: Akrawi/Gesser

CONSTRUCTION ADDRESS: 53 S Sewalls Pt Rd

PERMIT TYPE: RESIDENTIAL COMMERCIAL

- ELECTRIC
- PLUMBING
- HVAC
- IRRIGATION
- FUEL GAS
- ROOFING

TYPE OF SERVICE: NEW SERVICE EXISTING SERVICE OTHER

SCOPE OF WORK: PERMITS FOR Swimming Pool + Addition

VALUE OF CONSTRUCTION \$ 2900

<input type="checkbox"/> LOW VOLTAGE	
TYPE OF EQUIPMENT: <input type="checkbox"/> SECURITY <input type="checkbox"/> VACUUM <input type="checkbox"/> SOUND SYSTEM <input type="checkbox"/> LANDSCAPE <input type="checkbox"/> OTHER	
SCOPE OF WORK: _____	VALUE _____

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

X Robert J. Payne 2501 Celusy Ave
 SIGNATURE OF LICENSED CONTRACTOR ADDRESS OF CONTRACTOR

COMPANY OR QUALIFIER'S NAME: Robert Payne

TELEPHONE NO: 772-337-4187 FAX NO: 772-335-1639

MUNICIPALITY OR STATE OF FLORIDA CONTRACTOR'S LICENSE NUMBER: EC1300 1275

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

VERIFICATION OF PARCEL CONTROL NUMBER

OWNER'S FULL NAME AS STATED ON DEED: _____

PARCEL CONTROL #: _____

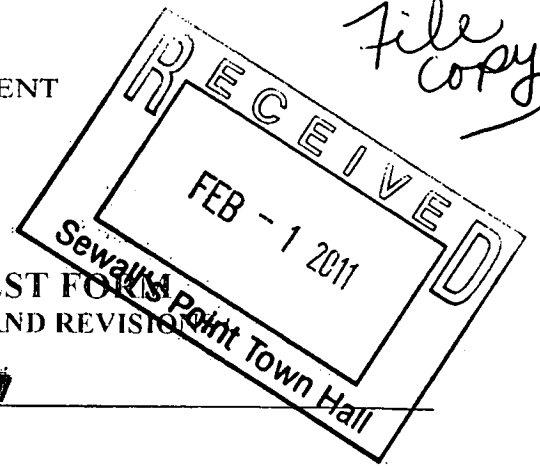
SUBDIVISION: _____ LOT: _____ BLK: _____ PHASE: _____

SITE ADDRESS: _____

SEND OR FAX TO: TOWN OF SEWALL'S POINT BUILDING DEPARTMENT



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



file copy

REVISIONS - CORRECTIONS REQUEST FORM
 MUST BE SUBMITTED FOR ALL CORRECTIONS AND REVISIONS

DATE: 1/28/11 PERMIT NUMBER: 94478
 JOB ADDRESS: 53 S. Sewall's Pt Road

PLEASE CHECK ONE OF THE FOLLOWING:

- CONDITION OF INSPECTION APPROVAL (Needed for an inspection)
- CONDITION OF PERMIT APPROVAL: (Corrections/Permit not issued, in review process)
- REVISIONS (Changes to an issued permit)

ALL PLAN REVISIONS MUST BE HIGHLIGHTED OR CLOUDED ON DRAWING

ALL REVISED PAGES ARE REQUIRED TO BE INSERTED IN FIELD PERMIT SET

DESCRIPTION OF REVISION(S): ADD 2 AC PORTALS RETURN TO EXISTING ROOM GROUPOVER (TIE INTO EXISTING SYSTEM) ON ORIGINAL PLAN

DOES REVISION(S) CHANGE THE VALUE OF CONSTRUCTION? YES NO VALUE \$
 INCREASED CONSTRUCTION VALUE WILL INCREASE PERMIT FEES AND MUST BE PAID AT TIME OF APPROVAL

CONTACT NAME: JAMES M. THOMAS SIGNATURE: [Signature]

PHONE NUMBER: (772) 370 1562 FAX NUMBER: (772) 878-4234
AC - Century AC CAC 057676

FOR OFFICE USE ONLY:

Reviewed by: [Signature] Date: 2-2-11 Approve Deny

Additional conditioned space _____ sq. ft. @ \$104.65 per sq. ft. _____ x 2% = _____

Additional non-conditioned space _____ sq. ft. @ \$ 48.90 per sq. ft. _____ x 2% = _____

Other declared value increase (must be based on value not cost) _____ x 2% = _____

Other additional fees: 2127 Revision review fee: _____ Pages @ \$25.00/Page _____

Radon Fee _____ Professional Regulation Fee _____ Road impact assessment _____

TOTAL ADDITIONAL BUILDING PERMIT FEE \$ 75⁰⁰

Applicant notified by: Valerie 2-2-11 Date: _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Residential Limited Applications Prescriptive Method C

FORM 1100C-07 SOUTH 789
 Small Additions, Renovations & Building Systems

Compliance with Method C of Chapter 11 of the Florida Building Code, Residential may be demonstrated by the use of Form 1100C-07 for additions of 600 square feet or less, site-installed components of manufactured homes, and renovations to single- and multiple-family residences. Alternative methods are provided for additions by use of Form 1100B-07 or 1100A-07.

PROJECT NAME: AND ADDRESS: 555 SWALLS POIN	BUILDER:	CLIMATE ZONE: 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/>
OWNER: CAPT BOSSER	PERMITTING OFFICE:	JURISDICTION NO.:
PERMIT NO.:		

SMALL ADDITIONS TO EXISTING RESIDENCES (600 square feet or less of conditioned area). Prescriptive requirements in Tables 11C-1, 11C-2, and 11C-3 apply only to the components of the addition, not to the existing building. Space heating, cooling, and water heating equipment efficiency levels must be met only when equipment is installed specifically to serve the addition or is being installed in conjunction with the addition construction. Components separating unconditioned spaces from conditioned spaces must meet the prescribed minimum insulation levels. RENOVATIONS (Residential buildings undergoing renovations costing more than 30% of the assessed value of the building). Prescriptive requirements in Tables 11C-1 and 11C-2 apply only to the components and equipment being renovated or replaced. MANUFACTURED HOMES AND BUILDINGS. Only site-installed components and features are covered by this form. BUILDING SYSTEMS Comply when complete new system is installed.

1. Renovation, Addition, New System or Manufactured Home
2. Single-family detached or Multiple-family attached
3. If Multiple-family—No. of units covered by this submission
4. Conditioned floor area (sq. ft.)
5. Predominant eave overhang (ft.)
6. Glass type and area:
 - a. Clear glass
 - b. Tint, film or solar screen
7. Percentage of glass to floor area
8. Floor type and Insulation:
 - a. Slab-on-grade (R-value)
 - b. Wood, raised (R-value)
 - c. Wood, common (R-value)
 - d. Concrete, raised (R-value)
 - e. Concrete, common (R-value)
9. Wall type and Insulation:
 - a. Exterior:
 1. Masonry (Insulation R-value)
 2. Wood frame (Insulation R-value)
 - b. Adjacent:
 1. Masonry (Insulation R-value)
 2. Wood frame (Insulation R-value)
 - c. Marriage Walls of Multiple Units* (Yes/No)
10. Ceiling type and Insulation:
 - a. Under attic (Insulation R-value)
 - b. Single assembly (Insulation R-value)
11. Cooling system*
(Types: central, room unit, package terminal A.C., gas, existing, none)
12. Heating system*
(Types: heat pump, elec. strip, natural gas, LP-gas, gas h.p., room or PTAC, existing, none)
13. Air distribution system*
 - a. Backflow damper or single package systems* (Yes/No)
 - b. Ducts on marriage walls adequately sealed* (Yes/No)
14. Hot water system:
(Types: elec., natural gas, other, existing, none)

NO GASK IN GLASS

Please Print

1.	Add. hot	CK
2.	SF	
3.	400	
4.		
5.		
Single Pane Double Pane		
6a.	_____ sq. ft. _____ sq. ft.	
6b.	_____ sq. ft. _____ sq. ft.	
7.	_____ %	
8a.	R = _____ lin. ft.	
8b.	R = _____ sq. ft.	
8c.	R = _____ sq. ft.	
8d.	R = _____ sq. ft.	
8e.	R = _____ sq. ft.	
9a-1	R = 11 328 sq. ft.	
9a-2	R = _____ sq. ft.	
9b-1	R = _____ sq. ft.	
9b-2	R = _____ sq. ft.	
9c.		
10a.	R = 30 400 sq. ft.	
10b.	R = _____ sq. ft.	
11.	Type: _____	
	SEER/EER: _____	
12.	Type: _____	
	HSPFF/COR/AFUE: _____	
13a.		
13b.		
14.	Type: _____	
	EF: _____	

I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code. PREPARED BY: <u>[Signature]</u> DATE: <u>8/14/09</u> I hereby certify that this building is in compliance with the Florida Energy Code. OWNER AGENT: _____ DATE: _____	Review of plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, F.S. BUILDING OFFICIAL: _____ DATE: _____
---	--

TABLE 11C-1: PRESCRIPTIVE REQUIREMENTS FOR SMALL ADDITIONS (600 Sq. Ft. and Less), RENOVATIONS TO EXISTING BUILDINGS AND SITE-INSTALLED COMPONENTS OF MANUFACTURED HOMES

COMPONENT		MINIMUM INSULATION	INSULATION INSTALLED	EQUIPMENT	MINIMUM EFFICIENCY	INSTALLED EFFICIENCY
WALLS	Concrete Block Frame, 2 x 4' Frame, 2 x 6' Common, Frame Masonry	R-5	<u>R-11</u>	COOLING	Central A/C - Split - Single Pkg. Room unit or PTAC	SEER = 13.0'
		R-11				SEER = 13.0'
		R-19				EER = 8.5'
		R-11				
CEILING	Under Attic Single Assembly; Enclosed Frame Metal Pans Single Assembly; Open Common, Frame	R-30	<u>R-30</u>	SPACE HEATING	Electric Resistance Heat pump - Split - Single Pkg. Room unit or PTHP	ANY HSPF = 7.7'
		R-19				HSPF = 7.7'
		R-13				DOP = 2.7'
		R-10				
FLOORS	Slab-on-grade Raised Wood Raised Concrete Common, Frame	No Minimum	<u>0.0</u>	HOT WATER	Electric Resistance Gas, natural or LP Fuel Oil	EF = .82
		R-11				EF = .59
		R-5				EF = .54
DUCT	In unconditioned space In conditioned space	R-6	<u>0</u>			EF = _____
		No minimum			EF = _____	

* See Table 1107.ABC.3.2 and 1108.ABC.3.2

TABLE 11C-2: PRESCRIPTIVE REQUIREMENTS FOR GLASS AREAS IN ADDITIONS ONLY

Maximum percentage glass to floor area allowed is selected by type, overhang length, and solar heat gain coefficient. Maximum % = _____ Installed % = _____

GLASS TYPE, OVERHANG, AND SOLAR HEAT GAIN COEFFICIENT REQUIRED FOR GLASS PERCENTAGE ALLOWED							
UP TO 20%		UP TO 30%		UP TO 40%		UP TO 50%	
Single	Double	Single	Double	Single	Double	Single	Double
OH-SHGC	OH-SHGC	OH-SHGC	OH-SHGC	OH-SHGC	OH-SHGC	OH-SHGC	OH-SHGC
1' - .87	0' - .78	2' - .87	1' - .78	3' - .87	2' - .78	4' - .87	3' - .78
0' - .75		1' - .75	0' - .61	2' - .75	1' - .61	3' - .75	2' - .61
		0' - .57		1' - .57	0' - .44	2' - .57	1' - .44
				0' - .39		1' - .39	0' - .35

Get certified SHGC from the manufacturer or use defaults: Single clear SHGC = .75, double clear SHGC = .86, and single tint SHGC = .64

TABLE 11C-3 MINIMUM REQUIREMENTS FOR ALL PACKAGES

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Exterior Joints & Cracks	N1106.ABC.1.2	To be caulked, gasketed, weather-stripped or otherwise sealed.	<input checked="" type="checkbox"/>
Exterior Windows & Doors	N1106.ABC.1.1	Max. 0.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	<input checked="" type="checkbox"/>
Sole & Top Plates	N1106.ABC.1.2.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	<input checked="" type="checkbox"/>
Recessed Lighting	N1106.ABC.1.2.4	Type IC rated with no penetrations (two alternatives allowed).	<input checked="" type="checkbox"/>
Multiple Story Houses	N1106.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	<input checked="" type="checkbox"/>
Exhaust Fans	N1106.ABC.1.3	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	<input checked="" type="checkbox"/>
Combustion Heating	N1106.ABC.1.3	Combustion space and water heating systems must be provided with outside combustion air, except for direct vent appliances.	<input checked="" type="checkbox"/>
Water Heaters	N1112.ABC.3	Comply with efficiency requirements in Table N1112.ABC.3. Switch or clearly marked circuit breaker electric or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	<input checked="" type="checkbox"/>
Swimming Pools & Spas	N1112.ABC.2.3	Spas & heated pools must have covers (except solar heated). Noncommercial pools must have a pump timer. Gas spa & pool heaters must have minimum thermal efficiency of 78%.	<input checked="" type="checkbox"/>
Hot Water Pipes	N1112.ABC.5	Insulation is required for hot water circulating systems (including heat recovery units).	<input checked="" type="checkbox"/>
Shower Heads	N1112.ABC.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 psig.	<input checked="" type="checkbox"/>
HVAC Duct Construction, Insulation & Installation	N1110.ABC	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.ABC. Ducts in attics must be insulated to a minimum of R-6.	<input checked="" type="checkbox"/>
HVAC Controls	N1107.ABC.2	Separate readily accessible manual or automatic thermostat for each system.	<input checked="" type="checkbox"/>

GENERAL DIRECTIONS:

- On Table 11C-1 indicate the R-value of the insulation being added to each component and the efficiency levels of the equipment installed. All R-values and efficiencies installed must meet or exceed the minimum values listed. Components and equipment neither being added nor renovated may be left blank.
- ADDITIONS ONLY. Determine the percentage of new glass to conditioned floor area in the addition as follows. Total the areas of all glass windows, sliding glass doors and glass door panels. Double the area of all nonvertical roof glass and add it to the previous total. When glass in existing exterior walls is being removed or enclosed by the addition, an amount equal to the total area of this glass may be subtracted from the total glass area. Divide the adjusted glass area total by the conditioned floor area of the addition. Multiply by 100 to get the percent. Find the largest glass percentage under which your calculated percentage falls on Table 11C-2. Prescriptive values are given by the type of glass (single or double pane) and the overhang (OH) paired with a solar heat gain coefficient (SHGC). For a given glass type and overhang, the minimum solar heat gain coefficient allowed is specified. Actual glass windows and doors previously in the exterior walls of the house and being reinstalled in the addition do not have to comply with the overhang and solar heat gain coefficient requirements on Table 11C-2. All new glass in the addition must meet the requirement for one of the options in the glass percentage category you indicated. The overhang (OH) distance is measured perpendicularly from the face of the glass to a point directly under the outermost edge of the overhang.
- RENOVATIONS ONLY. Replacement glass needs to meet the following requirements. Any glass type and solar heat gain coefficient may be used for glass areas which are under at least a 2-foot overhang and whose lowest edge does not extend further than 8 feet from the overhang. Glass areas being renovated that do not meet this criteria must be either single-pane tinted, double-pane clear or double-pane tinted.
- BUILDING SYSTEMS. Comply when new system is installed for system installed.
- Complete the information requested on the top half of page 1.
- Read "Minimum Requirements for Small Additions and Renovations," Table 11C-3, and check all applicable items.
- Read, sign and date the "Owner/Agent" certification statement on page 1.

NOTICE OF COMMENCEMENT

TO BE COMPLETED WHEN CONSTRUCTION VALUE EXCEEDS \$2,500.00

PERMIT #: _____ TAX FOLIO #: 01-38-41-011-000-00010-7

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): 53 SOUTH SEWALLS PT. ROAD, STUART, FLORIDA 34996

LOT 1, RIDGELAND, SEWALLS POINT PLATBOOK B, PAGES 3 OF MARTIN COUNTY

GENERAL DESCRIPTION OF IMPROVEMENT: ENCLOSE EXISTING REAR PORCH & CONSTRUCT POOL EQUIP. SHED

OWNER NAME: ANIS Y AKRAWI
ADDRESS: 36 SOUTH RIVER RD, STUART, FLORIDA 34996
PHONE NUMBER: (772) 321-8357 FAX NUMBER: _____

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

CONTRACTOR: JAMES M. THOMAS, INC
ADDRESS: P.O. BOX 857171, PORT ST LUCIE, FLORIDA 34985
PHONE NUMBER: (772) 370-1562 FAX NUMBER: (772) 878-4234

SURETY COMPANY (IF ANY): NONE
ADDRESS: _____
PHONE NUMBER: _____ FAX NUMBER: _____
BOND AMOUNT: _____

LENDER/MORTGAGE COMPANY: NONE
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: JAMES M. THOMAS
ADDRESS: P.O. BOX 85-7171, PORT ST LUCIE, FLORIDA 34985
PHONE NUMBER: (772) 370-1562 FAX NUMBER: (772) 878-4234

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

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 1, SECTION 713.13, FLORIDA STATUTES AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

SIGNATURE OF OWNER OR OWNER'S AUTHORIZED OFFICER/DIRECTOR/PARTNER/MANAGER
A C C M

SIGNATORY'S TITLE/OFFICE _____

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 27th DAY OF August, 2009
BY: PAULINE M FALLON AS NOTARY PUBLIC FOR ANIS Y AKRAWI
NAME OF PERSON TYPE OF AUTHORITY NAME OF PARTY ON BEHALF OF WHOM INSTRUMENT WAS EXECUTED

PERSONALLY KNOWN [checked] OR PRODUCED IDENTIFICATION _____

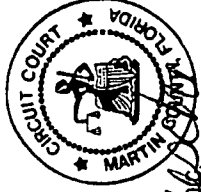
TYPE OF IDENTIFICATION PRODUCED: N/A

Pauline M. Fallon
NOTARY SIGNATURE/SEAL

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

A C C M
(Signature of Natural Person Signing Above)

PAULINE M. FALLON
MY COMMISSION # DD 12279
EXPIRES: June 5, 2012
Elected Thru Notary Public Underwriter



THIS IS TO CERTIFY THAT THE FOREGOING _____ PAGES IS A TRUE AND CORRECT COPY OF THE ORIGINAL AND CORRECT COPY OF THE ORIGINAL
BY: Pauline M. Fallon
MARSHA EWING, CLERK
DATE: 8-17-09

INSTR # 2210539 OR BK 02454 PG 0631 RECD 05/17/2010 08:26:51 AM
MARSHA EWING, CLERK
COUNTY DEPUTY CLERK

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection Mon Tue Wed Thur Fri 7-23 2010 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9478	AKRAWI 53 S. Sewalls Pt James Thomas	Plumbing	Pass	INSPECTOR <i>JA</i>
8086	AKRAWI 53 S. SPD RD NATURAL FLOW	Windows & Door FINAL	Pass	Close INSPECTOR <i>JA</i>
9513	KURTIN 5 MANDALAY PROPANE SERVICES	GAS FINAL	Pass	Close INSPECTOR <i>JA</i>
				PIPE IS ON W.M. W/ VALVE INSPECTOR
	8 N. RIVER	WATER PIPE IN HEDGE		INSPECTOR
				INSPECTOR
				INSPECTOR
				INSPECTOR

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection Mon Tue Wed Thur Fri **8-31** 2010 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9319	Balfout 103 Hillcrest Balfout Cont.	Insulation	Pass	INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9498	Gexon 535 Sewalls James Thomas	Abatement meat	Pass	INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9507	Sharfi 73 N. Sewalls Mosley	tie beam (Tennis Pavilion) & Columns	Pass	INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9553	Lyons 34 FIELDWAY PARABON	A/c FINAL	Pass	Close INSPECTOR <i>[Signature]</i>
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
	11 EMIRATA -	VACANT?		INSPECTOR

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection Mon Tue Wed Thur Fri 10-12-2010 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9535	Greenspan 3 Oak Hill Way Coastal Ac	Trial Ac	PASS	Close INSPECTOR <i>JA</i>
9399	Greenspan 3 Oak Hill Way Raising the Bar	Trial Fence	PASS	Close INSPECTOR <i>JA</i>
9479	Akrawi 53 S Sewalls James Thomas	tie down dry-in	PASS PASS	Pool Size INSPECTOR <i>JA</i>
9051 1ST	Beritana 3602 SE Ocean Comm Contr.	partial rough duct	PASS	INSPECTOR <i>JA</i>
94718	AKRAWI 53 S SEWALLS JAMES THOMAS	STRAPPING R. ELECTRIC	PASS PASS	REMODEL INSPECTOR <i>JA</i>
	SHARFI 93 N. SPY RD	CAVITY		INSPECTOR
	Brennan Carlson 7 Kingston Ct	Tree	<i>OK</i>	
	16 S Via Lurina	Relocate trees		INSPECTOR

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection Mon Tue Wed Thur Fri **10-15** 2016 Page **1** of **1**

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9586	Hooker 6 Morgan Cir OB	AC electric framing	PASS PASS PASS	INSPECTOR <i>JF</i>
9471	Alkrawi 53 S Sewalls James Thomas	electric	PASS	INSPECTOR <i>JF</i>
9478	53 S Sewalls James Thomas	mechanical	PASS	INSPECTOR <i>JF</i>
9598	Carlson/Brennan 1 st 7 Kingston Ct Nislin	Final AC	FAIL	No Access TO EQUIPMENT INSPECTOR <i>JF</i>
				INSPECTOR
				INSPECTOR
				INSPECTOR

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection Mon Tue Wed Thur Fri **2-15-11** Page **1** of **1**

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9478	Gesser 53 S Sewalls James Thomas	AC Ducts	Pass	INSPECTOR <i>JH</i>
9479	Gesser 53 S Sewalls James Thomas	Final Pool Eq Sheet	Pass	INSPECTOR <i>JH</i>
9683	Sharfi 73 S Sewalls Mosley	Pre-Pour driveway	Pass	INSPECTOR <i>JH</i>
9707	Gesser 53 S Sewalls Century AC	Final AC	Pass	INSPECTOR <i>JH</i>
9702	Preme 101 S Sewalls Masterpiece	Final Chimney repair	Pass	INSPECTOR <i>JH</i>
				INSPECTOR
				INSPECTOR

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection Mon Tue Wed Thur Fri 4-25-11 Page 1 of

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9374	Balfort	Final		Pending
1st	103 Hillcrest Ballport Court		Pass	Open work INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9476	Blount	Final	Pass	
PM	Thomas Inc.	 	 	
9753	Bellingham	Pick ups		
1PM	2 Via de Christo Masterside	 	cancel	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

9479

SHED



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:	9479	DATE ISSUED:	06/18/2010
SCOPE OF WORK:	POOL EQUIPMENT SHED		
CONDITIONS :			
CONTRACTOR:	JAME M. THOMAS		
PARCEL CONTROL NUMBER:	013841011000000107	SUBDIVISION	RIDGELAND
CONSTRUCTION ADDRESS:	53 S. SEWALL'S POINT RD.		
OWNER NAME:	AKRAWI		
QUALIFIER:	JAMES M. THOMAS	CONTACT PHONE NUMBER:	772-370-1562

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.

12-21 called

**Town of Sewall's Point
BUILDING PERMIT APPLICATION**

Permit Number: **9479**

Date: 5/20/10

OWNER/TITLEHOLDER NAME: ANIS Y AKRAWI Phone (Day) (772) 221-8359 (Fax) _____

Job Site Address: 53 SOUTH SEWALL'S POINT RD City: STUART State: FL Zip: 34996

Legal Description: LOT 1, RIDGELAND TOWN OF SEWALL'S POINT Parcel Control Number: 01-38-41-011-000-00010-7

Owner Address (if different): 36 SOUTH RIVER RD SEWALL'S POINT City: STUART State: FL Zip: 34996

Scope of work (please be specific): CONTRACT NEW Pool EQUIPMENT SHED

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: \$ 9,500.00
(Notice of Commencement required when over \$2500 prior to first inspection \$7 500 on HVAC change out)
Is subject property located in flood hazard area? VE10 _____ AE9 _____ AE8 X
FOR ADDITIONS, REMODELS AND RE-ROOF APPLICATIONS ONLY:
Estimated Fair Market Value prior to improvement: \$ _____
(Fair Market Value of the Primary Structure only. Minus the land value)
PRIVATE APPRAISALS MUST BE SUBMITTED WITH PERMIT APPLICATION

OK

CONTRACTOR/Company: JAMES M. THOMAS, INC. Phone: (772) 370-1562 Fax: (772) 818-4234

Street: 2426 SW HINCHMAN ST. City: PORT ST LUCIE State: FL Zip: 34985

State License Number: CGCA06928 OR: Municipality _____ License Number: _____

LOCAL CONTACT: JAMES M. THOMAS Phone Number (772) 370-1562

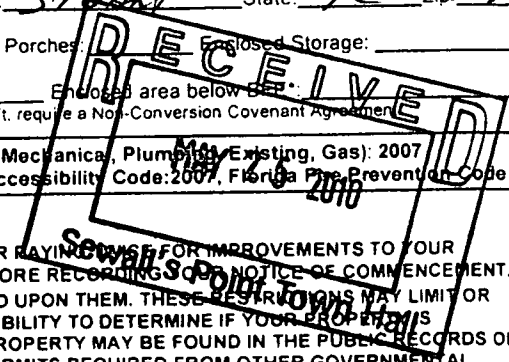
DESIGN PROFESSIONAL: JOE McCARTY Lic# 9639 Phone Number: (772) 281-6735

Street: 900 EAST OSCEOLA ST City: STUART State: FL Zip: 34994

AREAS SQUARE FOOTAGE: Living: _____ Garage: _____ Covered Patios/ Porches: _____ Enclosed Storage: _____

Carport: _____ Total under Roof _____ Elevated Deck: _____ Enclosed area below deck: _____
* Enclosed non-habitable areas below the Base Flood Elevation greater than 300 sq. ft. require a Non-Conversion Covenant Agreement

CODE EDITIONS IN EFFECT THIS APPLICATION: Florida Building Code (Structural, Mechanical, Plumbing, Electrical, 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:

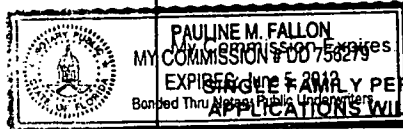
- YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING FOR IMPROVEMENTS TO YOUR PROPERTY. WHEN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING A NOTICE OF COMMENCEMENT.
- THERE ARE SOME PROPERTIES THAT MAY HAVE DEED RESTRICTIONS RECORDED UPON THEM. THESE RESTRICTIONS 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.
- BUILDING PERMITS FOR SINGLE FAMILY RESIDENCES AND SUBSTANTIAL IMPROVEMENTS TO SINGLE FAMILY RESIDENCES ARE VALID FOR A PERIOD OF 24 MONTHS. RENEWAL FEES WILL BE ASSESSED AFTER 24 MONTHS PER TOWN ORDINANCE 50-95.
- THIS PERMIT WILL BECOME NULL AND VOID IF THE WORK AUTHORIZED BY THIS PERMIT IS NOT COMMENCED WITHIN 180 DAYS, OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AT ANY TIME AFTER THE WORK IS COMMENCED. ADDITIONAL FEES WILL BE ASSESSED ON ANY PERMIT THAT BECOMES NULL AND VOID. REF. FBC 2004 W/ 2006 REVISIONS SECT. 105.4.1, 105.4.1.1 - .5.

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

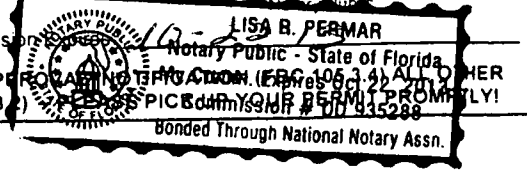
APPLICATION IS HEREBY MADE TO OBTAIN A PERMIT TO DO THE WORK AND INSTALLATIONS AS SPECIFICALLY INDICATED ABOVE. I CERTIFY THAT NO WORK OR INSTALLATION HAS COMMENCED PRIOR TO THE ISSUANCE OF A PERMIT AND THAT THE INFORMATION I HAVE FURNISHED ON THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. 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)
A-Y. AKRAWI
State of Florida, County of: MARTIN
This the 24th day of MAY, 20 10
by ANIS Y AKRAWI who is personally
known to me or produced _____
as identification. Pauline M. Fallon

CONTRACTOR SIGNATURE: (required)
JAMES M. THOMAS, INC.
On State of Florida, County of: Saint Lucie
This the 20th day of MAY, 20 10
by JAMES M. THOMAS who is personally
known to me or produced FL DL
As identification.



Notary Public
JUNE 5, 2012



PERMIT APPLICATIONS MUST BE ISSUED WITHIN 30 DAYS OF APPROVAL DATE. PERMITS NOT ISSUED WITHIN 30 DAYS WILL BE CONSIDERED ABANDONED AFTER 180 DAYS (FBC 105.3)

ok



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

VERIFICATION OF CONTRACTOR

BUILDING PERMIT NUMBER: 9479

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

OWNERS NAME: CAROL GESSER

CONSTRUCTION ADDRESS: 530 S. Sewalls Pt Rd, Stuart, FL 34996

PERMIT TYPE: RESIDENTIAL COMMERCIAL

- ELECTRIC
- PLUMBING
- HVAC
- IRRIGATION
- FUEL GAS
- ROOFING

TYPE OF SERVICE: NEW SERVICE EXISTING SERVICE OTHER

SCOPE OF WORK: Remove Equipment from one location to another

VALUE OF CONSTRUCTION \$ 525.00

<input type="checkbox"/> LOW VOLTAGE
TYPE OF EQUIPMENT: <input type="checkbox"/> SECURITY <input type="checkbox"/> VACUUM <input type="checkbox"/> SOUND SYSTEM <input type="checkbox"/> LANDSCAPE <input type="checkbox"/> OTHER
SCOPE OF WORK: _____ VALUE _____

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

Jesse Co
SIGNATURE OF LICENSED CONTRACTOR

1055 SW Martin Downs Blvd
ADDRESS OF CONTRACTOR Palm City FL 34996

COMPANY OR QUALIFIER'S NAME: Custom Pool & Spa Mechanics, Inc

TELEPHONE NO: (772) 283-3332 FAX NO: (772) 288-1103

MUNICIPALITY OR STATE OF FLORIDA CONTRACTOR'S LICENSE NUMBER: RP252554852

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

VERIFICATION OF PARCEL CONTROL NUMBER

OWNER'S FULL NAME AS STATED ON DEED: _____

PARCEL CONTROL #: _____

SUBDIVISION: _____ LOT: _____ BLK: _____ PHASE: _____

SITE ADDRESS: _____

SEND OR FAX TO: TOWN OF SEWALL'S POINT BUILDING DEPARTMENT



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

VERIFICATION OF CONTRACTOR

BUILDING PERMIT NUMBER: 9478 + 9479

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

OWNERS NAME: Akrawi/Gesser

CONSTRUCTION ADDRESS: 53 S Sewalls Pt Rd

PERMIT TYPE: RESIDENTIAL COMMERCIAL

- ELECTRIC
- PLUMBING
- HVAC
- IRRIGATION
- FUEL GAS
- ROOFING

TYPE OF SERVICE: NEW SERVICE EXISTING SERVICE OTHER

SCOPE OF WORK: REWORKING FOR SWIMMING POOL + ADDED FLOOR

VALUE OF CONSTRUCTION \$ 2900

LOW VOLTAGE

TYPE OF EQUIPMENT: SECURITY VACUUM SOUND SYSTEM LANDSCAPE OTHER

SCOPE OF WORK: _____ VALUE _____

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

X SIGNATURE OF LICENSED CONTRACTOR: Robert Payall ADDRESS OF CONTRACTOR: 2501 Calusa Ave

COMPANY OR QUALIFIER'S NAME: ROBERT PAYALL

TELEPHONE NO: 772-337-4197 FAX NO: 772-335-1639

MUNICIPALITY OR STATE OF FLORIDA CONTRACTOR'S LICENSE NUMBER: EC1300 1275

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

VERIFICATION OF PARCEL CONTROL NUMBER

OWNER'S FULL NAME AS STATED ON DEED: _____

PARCEL CONTROL #: _____

SUBDIVISION: _____ LOT: _____ BLK: _____ PHASE: _____

SITE ADDRESS: _____

SEND OR FAX TO: TOWN OF SEWALL'S POINT BUILDING DEPARTMENT



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

Handwritten initials

REVISIONS - CORRECTIONS REQUEST FORM
MUST BE SUBMITTED FOR ALL CORRECTIONS AND REVISIONS

DATE: 10-20-10 PERMIT NUMBER: 9419

JOB ADDRESS: 53 SSPR

PLEASE CHECK ONE OF THE FOLLOWING:

THIS CHECK HAS A COLORED BACKGROUND AND CONTAINS MULTIPLE SECURITY FEATURES. SEE BACK FOR DETAILS.

005635

CUSTOM POOL & SPA MECHANICS, INC. 12-87
 1055 S.W. MARTIN DOWNS BLVD 283-3332
 PALM CITY, FL 34990

SEACOAST BANK & TRUST CO.
 PALM CITY, FLORIDA 34990

DATE: 10/20/10
 AMOUNT: 75.00

PAY TO: TOWN OF SEWALLS PT BLDG DEPT

ISSUED IN FIELD PERMIT SET

DESCRIPTION OF REVISION(S): Moving equipment to new shed (pool equipment)

DOES REVISION(S) CHANGE THE VALUE OF CONSTRUCTION? YES NO VALUE \$
 INCREASED CONSTRUCTION VALUE WILL INCREASE PERMIT FEES AND MUST BE PAID AT TIME OF APPROVAL

CONTACT NAME: Lawrence Calano SIGNATURE: Lawrence Calano
 PHONE NUMBER: (772) 283-3335 FAX NUMBER: (772) 288-1103
Cell Larry 528-9544

FOR OFFICE USE ONLY:

Reviewed by: [Signature] Date: 10-21-10 Approve Deny

Additional conditioned space _____ sq. ft. @ \$104.65 per sq. ft. _____ x 2% = _____

Additional non-conditioned space _____ sq. ft. @ \$ 48.90 per sq. ft. _____ x 2% = _____

Other declared value increase (must be based on value not cost) _____ x 2% = _____

Other additional fees: 1 inspec \$75 Revision review fee: _____ Pages @ \$25.00/Page _____

Radon Fee _____ Professional Regulation Fee _____ Road impact assessment _____

TOTAL ADDITIONAL BUILDING PERMIT FEE \$ 75.00

Applicant notified by: Vallin Date: 10-21-10
Permit # 005635

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection Mon Tue Wed Thur Fri 7-14 2010 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9500	Osbourne 20 Castle Hill Terrell Gas (Permit on mailbox)	UG Gas	Pass	INSPECTOR <i>A</i>
9494	Williams 110 Henry Sewalls Stuart Fence	Final Fence	Pass	Close INSPECTOR <i>A</i>
9505	Miller 110 N 8th Rd Stuart Fence	FENCE FINAL	Pass	Close INSPECTOR <i>A</i>
9455	White 15 Ridgeland Dr Tuscany	window	Pass	INSPECTOR <i>A</i>
9287	Starfi 73 N. Sewalls Station	bond wire	Pass	INSPECTOR <i>A</i>
9479	AKRABO/CON 115 53 Sewalls James Thomas	Tree to be removed or relocated for P&O		NEED TO RELOCATE OFF PLANT NEXT INSPECTOR
				INSPECTOR

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection

 Mon

 Tue

 Wed

 Thur

 Fri

7-27 2010 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9479	ARCANI 533 S. 3rd St James Thomas	FRAMING	Pass	INSPECTOR [Signature]
9455	WHITE 15 RIDGELAND RUSCANNY BAY	FRAMING & BRACES	Fail	SMOKE DETS STRIPPING INSPECTOR [Signature]
9327	WOODS 32 E. HIGHWAY Capital	R. RUMD FLOOR STEEL	Pass	INSPECTOR [Signature]
9516	Stabley 114 Hillcrest Team Tanks	rough	Pass	INSPECTOR [Signature]
9507	Sharfi 13 N Sewalls Mosley	COLUMNS	Pass	REPAIRS BLDG INSPECTOR [Signature]
				INSPECTOR
				INSPECTOR

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection: Mon Tue Wed Thur Fri 9-22 2010 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9410 1st	Harvey 1 Ridgeland Ct OB	rough plumbing	Pass	INSPECTOR <i>JA</i>
9499	535 Sewalls James Thomas	electrical	Pass	INSPECTOR <i>JA</i>
9344	Woods 32 E High Pt Capital Auto	tie beam & column	Pass	INSPECTOR <i>JA</i>
				INSPECTOR
				INSPECTOR
				INSPECTOR
				INSPECTOR

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection Mon Tue Wed Thur Fri 10-12-2010 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9535	Greenspan 3 Oak Hill Way Coastal Ac	Fence Ac	PASS	Close INSPECTOR JA
9399	Greenspan 3 Oak Hill Way Raising the Bar	Fence	PASS	Close INSPECTOR JA
9479	Unknown 53 Sewalls James Thomas	dry in	PASS	INSPECTOR JA
9051	Beritana 1st 3602 SE Ocean Comm Contr.	partial rough duct	PASS	INSPECTOR JA
9478	A KRAWI 53 S Sewalls JAMES THOMAS	STRAPPING R. ELECTRIC	PASS PASS	REMODEL INSPECTOR JA
	SHARF 93 N. SPY RD	CAVING		INSPECTOR
Tree	Brennan Carlson 7 Kinross Ct	Tree	OK	
Tree	16 S Via Lurina	Relocate trees	OK	INSPECTOR

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection Mon Tue Wed Thur Fri 10-15-2010 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9586	Hooker 6 Morgan Cir OB	AC electric framing	PASS PASS PASS	INSPECTOR <i>JF</i>
9477	Owner/Address/Contractor 335 Sewalls James Thomas	Electric	PASS	INSPECTOR <i>JF</i>
9478	Akrawi 535 Sewalls James Thomas	Insulation	PASS	INSPECTOR <i>JF</i>
9598 1 st	Carlson/Brennan 7 Kington Ct Nislin	Final AC	FAIL	No Access TO EQUIPMENT INSPECTOR <i>JF</i>
				INSPECTOR
				INSPECTOR
				INSPECTOR
				INSPECTOR

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection: Mon Tue Wed Thur Fri 11-15 2010 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9419	James Thomas			
				INSPECTOR

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9543	Williams/Balout 6 Gumbo Limbo Advanced Concepts	Final renovations		Close
				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

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 11-17 2010 Page 1 of 2

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9319	Balfout 103 Helcrest	Driveway	Pass	
	Balfout	(density report in permit box)		INSPECTOR <i>[Signature]</i>
	CLEMENTS			
<i>Tree</i>	11 W. H. POINT		<i>OK</i>	
				INSPECTOR
9281	Shaufi 73 N. SP	Sidewalk	Pass	
	Masley/Stratton			INSPECTOR <i>[Signature]</i>
9079	ARCANA 53 S. Sewalls	Sho & Bath	Pass	
	James Thomas Inc			INSPECTOR <i>[Signature]</i>
9607	Crouch 103 H. Sewalls Way	PAVERS FINAL	Pass	Close <i>[Signature]</i>
	Surfside Pavers			INSPECTOR
✓	Doss 85 S. Rivier	INVESTIGATE POOL EQUIP BRACKETMENT		
				INSPECTOR
	Mony	220-7088		
				INSPECTOR

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection

 Mon

 Tue

 Wed

 Thur

 Fri

2-15-11

Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9478	Gesser 53 S Sewalls James Thomas	AC ducts	Pass	INSPECTOR <i>JH</i>
9449	Gesser 53 S Sewalls James Thomas	Final Pool & SPA	Pass	INSPECTOR <i>JH</i>
9683	Sharfi 73 S Sewalls Mosley	Pre-Pour driveway	Pass	INSPECTOR <i>JH</i>
9707	Gesser 53 S Sewalls Century AC	Final AC	Pass	INSPECTOR <i>JH</i>
9702	Preene 101 S Sewalls Masterpiece	Final Chimney repair	Pass	INSPECTOR <i>JH</i>
				INSPECTOR
				INSPECTOR

9650

SCREEN

ENCLOSURE



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:	9650	DATE ISSUED:	DECEMBER 20, 2010
SCOPE OF WORK:	SCREEN ENCLOSURE		
CONDITIONS :			
CONTRACTOR:	K&S INDUSTRIES		
PARCEL CONTROL NUMBER:	013841011-000-000107	SUBDIVISION	RIDGELAND-LOT 1
CONSTRUCTION ADDRESS:	53 S SEWALLS PT RD		
OWNER NAME:	AKRAWI/GESSER		
QUALIFIER:	STEVE MAHLSCHNEE	CONTACT PHONE NUMBER:	879-6885

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

Date: 12-10-10

BUILDING PERMIT APPLICATION

Permit Number: 9650

OWNER/TITLEHOLDER NAME: ANIS AKRAWI Phone (Day) 370-1562 (Fax)

Job Site Address: 53 SO. SEWALL'S POINT RD. City: SEWALL'S POINT State: FL Zip: 34996

Legal Description LOT 1 RIDGELAND Parcel Control Number: 01384101100000010

Owner Address (if different): 36 SO. RIVER RD City: SEWALL'S POINT State: FL Zip: 34996

SCOPE OF WORK (PLEASE BE SPECIFIC):

SCREEN POOL ENCLOSURE

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 (Must include a copy of all variance approvals with application)

COST AND VALUES: (Required on ALL permit applications)

Estimated Value of Improvements: \$ 7,600

(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

Construction Company: K&S INDUSTRIES Inc. Phone: 879-6885 Fax: 879-6910

Qualifiers name: STEVE MAHLSCHNER Street: 1379 S.W. BILTMORE ST. City: PORT ST. LUCIE State: FL Zip: 34983

State License Number: CGC1507642 OR: Municipality: MARTIN CO. License Number: SP-00356

LOCAL CONTACT: STEVE Phone Number: 879-6885

DESIGN PROFESSIONAL: LARRY BENNETT Fla. License# #16644

Street: 4191 DAIRY CT City: ST. AUGUSTINE State: FL Zip: 34981 Phone Number: 386-767-4774

AREAS SQUARE FOOTAGE: Living: Garage: Covered Patios/Porches: 999 Enclosed Storage:

Carport: Total under Roof Elevator Deck: Enclosed area below BFE* * Enclosed non-habitable areas below the Base Flood Elevation greater than 300 sq. ft. require a Non-Conversion Covenant Agreement.

CODE EDITIONS IN EFFECT THIS APPLICATION: Florida Building Code (Structural, Mechanical, Plumbing, Existing, Gas) 2007 National Electrical Code: 2005(2008 after 6/1/09) Florida Energy Code: 2007, Florida Accessibility Code: 2007, Florida Fire Prevention Code 2007

NOTICES TO OWNERS AND CONTRACTORS:

- 1. YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. WHEN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT. 2. THERE ARE SOME PROPERTIES THAT MAY HAVE DEED RESTRICTIONS RECORDED UPON THEM. THESE RESTRICTIONS MAY LIMIT OR PROHIBIT THE WORK APPLIED FOR IN YOUR BUILDING PERMIT. IT IS YOUR RESPONSIBILITY TO DETERMINE IF YOUR PROPERTY IS ENCUMBERED BY ANY RESTRICTIONS. SOME RESTRICTIONS APPLICABLE TO THIS PROPERTY MAY BE FOUND IN THE PUBLIC RECORDS OF MARTIN COUNTY OR THE TOWN OF SEWALL'S POINT, THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES. 3. BUILDING PERMITS FOR SINGLE FAMILY RESIDENCES AND SUBSTANTIAL IMPROVEMENTS TO SINGLE FAMILY RESIDENCES ARE VALID FOR A PERIOD OF 24 MONTHS. RENEWAL FEES WILL BE ASSESSED AFTER 24 MONTHS PER TOWN ORDINANCE 50-95. 4. THIS PERMIT WILL BECOME NULL AND VOID IF THE WORK AUTHORIZED BY THIS PERMIT IS NOT COMMENCED WITHIN 180 DAYS, OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AT ANY TIME AFTER THE WORK IS COMMENCED. ADDITIONAL FEES WILL BE ASSESSED ON ANY PERMIT THAT BECOMES NULL AND VOID. REF. FBC 2007 SECT. 105.4.1, 105.4.1.1 - .5.

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

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

OWNER NOTORIZED SIGNATURE: (required per 713.135 F.S.) OR OWNERS LEGAL AUTHORIZED AGENT (PROOF REQUIRED)

ANIS AKRAWI

State of Florida, County of: MARTIN

On This the 14th day of DECEMBER, 2010

by ANIS Y AKRAWI who is personally

known to me or produced

As identification: Laurence M. ... Notary Public

My Commission Expires: JUNE 5, 2012

CONTRACTOR NOTORIZED SIGNATURE: (required per 713.135 F.S.)

Steve Mahlschner

State of Florida, County of: ST. LUCIE

On This the 9 day of DEC. 2010

by STEVE MAHLSCHNER who is personally

known to me or produced

As identification: Notary Public State of Florida Frederick V. Adams My Commission Expires 08/30/2012

My Commission Expires:

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

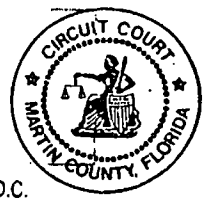
INSTR # 2249342 OR BK 02492 PG 0293 RECD 12/16/2010 01:34:24 PM
Pg 02937 (1pg)
MARSHA EWING MARTIN COUNTY DEPUTY CLERK S Phoenix

AFTER RECORDING RETURN TO:

PERMIT NUMBER:

STATE OF FLORIDA
MARTIN COUNTY

THIS IS TO CERTIFY THAT THE
FOREGOING 1 PAGES IS A TRUE
AND CORRECT COPY OF THE ORIGINAL.



This space for MARSHA EWING, CLERK

BY: Sharon D.C.
DATE: 12-16-10

NOTICE OF COMMENCEMENT

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

- DESCRIPTION OF PROPERTY (Legal description and street address) TAX FOLIO NUMBER: 01-38-41-011-000-00011
SUBDIVISION RIDGELAND BLOCK 53 TRACT SEWALL'S POINT RD LOT 1 BLDG SEWALL'S POINT UNIT 3496
- GENERAL DESCRIPTION OF IMPROVEMENT: SCREENED POOL ENCLOSURE
- OWNER INFORMATION: a. Name ANIS AKRAWI and CAROL GRESSER
b. Address 36 SO RIVER RD STUART, FL 34996 c. interest in property _____
d. Name and address of fee simple titleholder (if other than owner) _____
- CONTRACTOR'S NAME, ADDRESS AND PHONE NUMBER: K & S INDUSTRIES
1379 S.W. BILTMORE ST. POINT ST. LUCIE, FL. 34983
- SURETY'S NAME, ADDRESS AND PHONE NUMBER AND BOND AMOUNT: 772-879-6885
- LENDER'S NAME, ADDRESS AND PHONE 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 AND PHONE NUMBER: _____
- In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in Section 713.13 (1)(b), Florida Statutes:
NAME, ADDRESS AND PHONE NUMBER: _____
- Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified) _____, 20____.

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

Signature of Owner or
Owner's Authorized Officer/Director/Partner/Manager

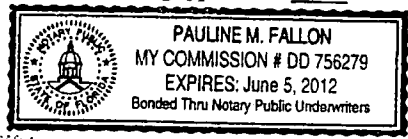
Print Name and Provide Signatory's Title/Office
ANIS Y. AKRAWI

State of Florida
County of MARTIN

The foregoing instrument was acknowledged before me this 10th day of December, 2010
By ANIS A AKRAWI, as OWNER
(Name of person) (Type of authority...e.g. Owner, officer, trustee, attorney in fact)
For ANIS A AKRAWI
(Name of party on behalf of whom instrument was executed) Personally Known or produced the following type of ID: _____

PAULINE M FALLON
(Printed Name of Notary Public)

Pauline M Fallon
(Signature of Notary Public)



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

Signature(s) of Owner(s) or Owner(s)' Authorized Officer/Director/Partner/Manager who signed above:

By: ANIS A AKRAWI
(Signature)

By: ANIS A AKRAWI
(Printed Name)

RIDGELAND DRIVE

SET I.B.
 $D=03^{\circ}52'36''$ $R=613.53$
 $L=41.51$ (P-C)

FND. 4" X 4"
C.M. NO. I.D.

$N 62^{\circ}48'53''$ $E 85.07'$ (P-F)

FND.
5/8" LB
NO I.D.

25.1' FOUNDATION
24.9' TRIM

A/C

LOT 1
1 STORY DWELLING

GESSER / AKRAWI
53 SO. SEWALL'S POINT RD.
LOT 1 RIDGELAND

$N 27^{\circ}4'04''$ $W 166.64'$ (P-C)

$N 27^{\circ}22'00''$ $W 165.19'$ (P-F)

COVID. SCREEN ENCLOSURE

COVID. PORCH

BUILDING SETBACK LINE

PROPOSED POOL ENCLOSURE

TOWN OF SEWALL'S POINT
BUILDING DEPARTMENT
FILE COPY

FND. 4" X 4"
C.M. NO. I.D.

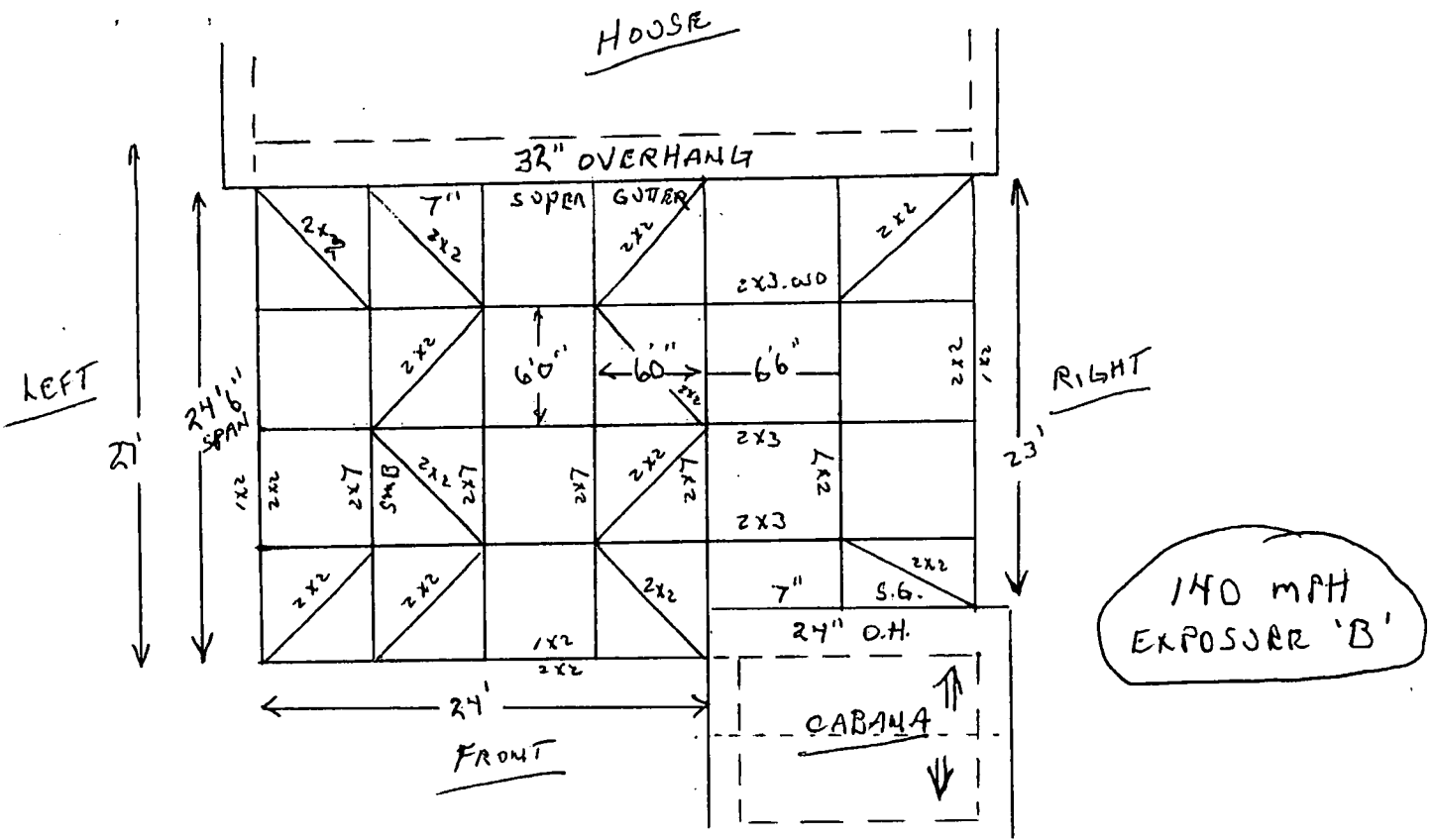
WOOD FENCE

15' DRAINAGE & UTILITY EASEMENT

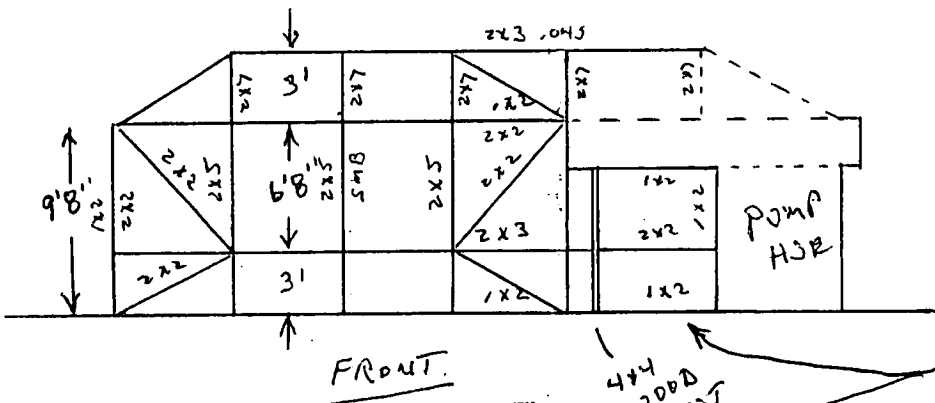
FND. FRM
4" X 4" C.M.
PLS #1272

$S 62^{\circ}47'34''$ $W 126.93'$ (P-F)

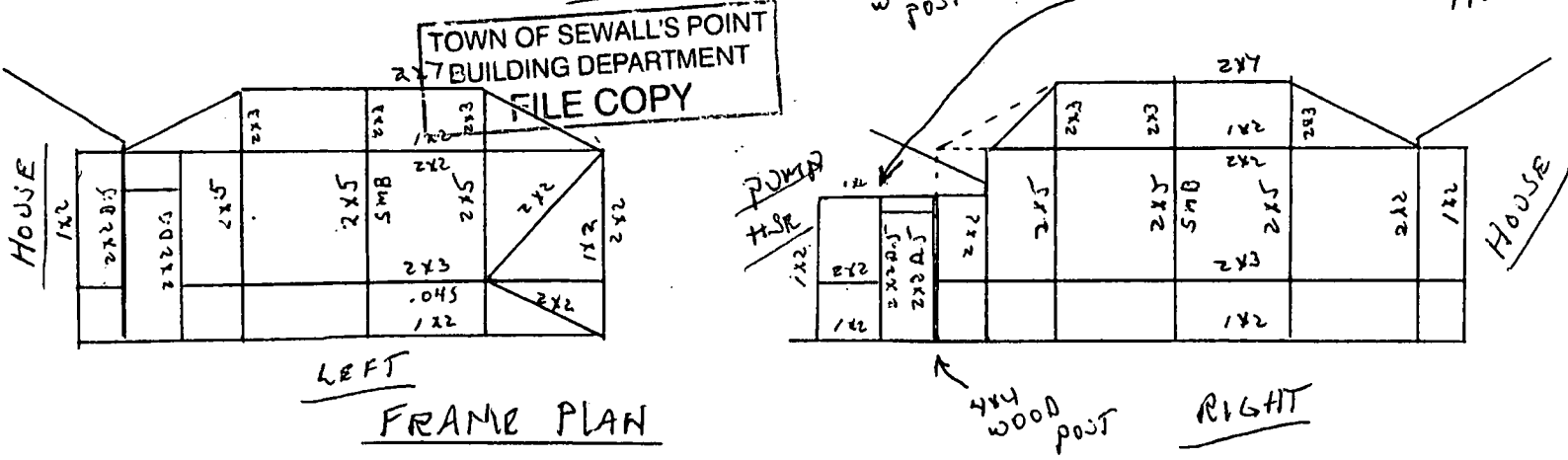
$S. 62^{\circ}47'34''$ $E. 261.93'$ (P) $261.85'$ (F)
BEARING BASE



140 MPH EXPOSURE 'B'



SIDE FILL-IN PANELS OF PUMP HOUSE



GESSER/AKRAWI

53 SO. SEWALL'S POINT RD.

KIS INDUSTRIES

SCALE 1" = 10 FT 12-9-10

INSPECTION GUIDE FOR POOL ENCLOSURES

	Yes	No
1. Check the building permit for the following:		
a. Permit card & address	_____	_____
b. Approved drawings and addendums as required	_____	_____
c. Plot plan or survey	_____	_____
d. Notice of commencement	_____	_____
2. Check the approved site specific drawings or shop drawings against the "AS BUILT" structure for:	Yes	No
a. Structures length, projection, plan & height as shown on the plans	_____	_____
b. Beam size, span, spacing & stitching screws	_____	_____
c. Purlin size, span & spacing	_____	_____
d. Upright size, height, spacing & stitching screws	_____	_____
e. Chair rail size, length & spacing	_____	_____
f. Eave rail size, length, spacing & stitching of 1" x 2" to 2" x 2"	_____	_____
g. Enclosure roof diagonal bracing is installed snug	_____	_____
h. Wall cables or "K" bracing are installed snug	_____	_____
i. Knee braces are properly installed	_____	_____
3. Check load bearing uprights for the following:	Yes	No
a. Angle bracket size & thickness	_____	_____
b. Correct number, size & spacing of fasteners to upright	_____	_____
c. Correct number, size & spacing of fasteners of angle to deck and sole plate	_____	_____
d. Upright is anchored to deck through brick pavers then anchors shall go through pavers into concrete	_____	_____
4. Check the load bearing beam to upright for:	Yes	No
a. Upright to beam connection and / or splices have correct number & spacing of screws	_____	_____
b. Overlap beam to upright or gusset plate	_____	_____
c. If angle brackets are used in framing check for correct thickness and size & number of fasteners	_____	_____
5. Check load bearing beam to host structure and / or gutter for:	Yes	No
a. Receiver bracket, angle or receiving channel size & thickness	_____	_____
b. Size, number & spacing of anchors of beam to receiver	_____	_____
c. Size, number & spacing of anchors of receiver to host structure of gutter	_____	_____
d. Correct anchoring of gutters to host structure	_____	_____
6. Check the wall cables:	Yes	No
a. Location & number	_____	_____
b. Top bracket size and fasteners	_____	_____
c. Eye bolts are welded	_____	_____
d. Bottom strap to concrete connection	_____	_____
7. Check wall "K" bracing (if required):	Yes	No
a. Location & size	_____	_____
b. Angle, gusset or clip size & number	_____	_____
c. Number & size of fasteners	_____	_____
8. Check electrical ground:	Yes	No
a. Properly completed	_____	_____
b. Angle, gusset or clip size & number	_____	_____
c. Number & size of fasteners	_____	_____
9. Check the doors on pool enclosures:	Yes	No
a. Door handle @ 54" from the deck	_____	_____

LEGEND

This engineering is a portion of the Aluminum Structures Design Manual ("ASDM") developed and owned by Bennett Engineering Group, Inc. ("Bennett"). Contractor acknowledges and agrees that the following conditions are a mandatory prerequisite to Contractor's purchase of these materials.

- Contractor represents and warrants the Contractor:
 - Is a contractor licensed in the state of Florida to build the structures encompassed in the ASDM;
 - Has attended the ASDM training course within two years prior to the date of the purchase;
 - Has signed a Masterfile License Agreement and obtained a valid approval card from Bennett evidencing the license granted in such agreement.
 - Will not alter, amend, or obscure any notice on the ASDM;
 - Will only use the ASDM in accord with the provisions of Florida Status section 489.113(9)(b) and the notes limiting the appropriate use of the plans and the calculations in the ASDM;
 - Understands that the ASDM is protected by the federal Copyright Act and that further distribution of the ASDM to any third party (other than a local building department as part of any Contractor's own work) would constitute infringement of Bennett Engineering Group's copyright; and
 - Contractor is solely responsible for its construction of any and all structures using the ASDM.
- DISCLAIMER OF WARRANTIES.** Contractor acknowledges and agrees that the ASDM is provided "as is" and "as available." Bennett hereby expressly disclaims all warranties of merchantability, fitness for a particular purpose, and non-infringement. In particular, Bennett its officers, employees, agents, representatives, and successors, do not represent or warrant that (a) use of the ASDM will meet Contractor's requirements or that the ASDM is free from error.
- LIMITATION OF LIABILITY.** Contractor agrees that Bennett's entire liability, if any, for any claim(s) for damages relating to Contractor's use of the ASDM, which are made against Bennett, whether based in contract, negligence, or otherwise, shall be limited to the amount paid by Contractor for the ASDM. In no event will Bennett be liable for any consequential, exemplary, incidental, indirect, or special damages, arising from or in any way related to, Contractor's use of the ASDM, even if Bennett has been advised of the possibility of such damages.
- INDEMNIFICATION.** Contractor agrees to indemnify, defend, and hold Bennett harmless, from and against any action brought against Bennett, by any third party (including but not limited to any customer or subcontractor of Contractor), with respect to any claim, demand; cause of action, debt, or liability, including reasonable attorneys' fees, to the extent that such action is based upon, or in any way related to, Contractor's use of the ASDM.

CONTRACTOR NAME: K9S INDUSTRIES

CONTRACTOR LICENSE NUMBER: CGC 1507642

COURSE # 0002299 ATTENDANCE DATE: 09-12-09

CONTRACTOR SIGNATURE: Steph J. ...

SUPPLIER: TOWN & COUNTRY

BUILDING DEPARTMENT
 CONTRACTOR INFORMATION AND COURSE #0002299 ATTENDANCE DATE HAS BEEN VERIFIED: _____ (INITIAL)

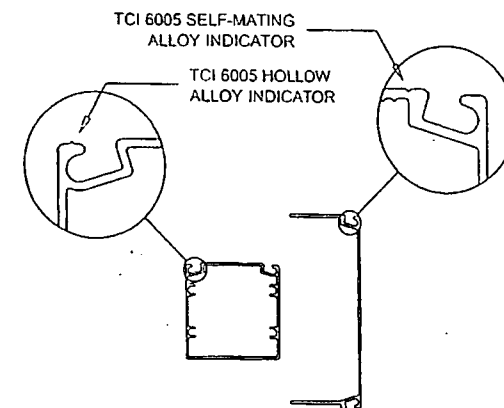
**TOWN OF SEWALL'S POINT
 BUILDING DEPARTMENT
 FILE COPY**

Town & Country 6005 Indicator Mark
 (Instructions For Permit Purposes)

To: Plans Examiners and Building Inspectors,

These alloy identification marks have been provided to contractors and yourself for permitting purposes. The details below illustrate the alloy identification marks and the location of such marks. These alloy marks are used solely for our 6005 extrusions. It is ultimately the contractor's responsibility that they receive and use only 6005 alloy shapes when using this engineering. We are providing this document to simplify the identification of our 6005 alloy materials to be used in conjunction with our 6005 engineering.

A separate signed and sealed document from Town & Country will be provided to our pre-approved contractors once the materials are purchased.



RAISED SEAL COPIES REQUIRED FOR ENGINEERING TO BE VALID FOR PERMITTING

Lawrence E. Bennett, P.E. FL # 16644
 CIVIL & STRUCTURAL ENGINEERING
 315 Herbert St., Port Orange, FL 32129
 Telephone #: (386) 767-4774 Fax #: (386) 767-6556
<http://www.lebpe.com/>

ALUMINUM STRUCTURES DESIGN MANUAL
 SCREEN ENCLOSURES
 INSPECTION GUIDE / LEGEND
 2007 FLORIDA BUILDING CODE
 WITH 2009 SUPPLEMENTS - 2009 EDITION

Town & Country
 INDUSTRIES, INC.
 Wholesale Aluminum Distributors

400 W. McNab Road, Fort Lauderdale, Florida 33309
 PHONE: (954) 976-9696
 FAX: (954) 976-1338
 1-800-432-5019

THE DESIGNS AND SPANS SHOWN ON THESE DRAWINGS ARE BASED ON THE LOAD REQUIREMENTS FOR THE FLORIDA BUILDING CODE 2007 EDITION W/ 2009 SUPPLEMENTS.

JAN 04 2010
 SEAL

JOB NAME: GESSER / AKRAWI
 ADDRESS: 53 SO. SEWALL'S POINT RD.
SEWALL'S POINT

SHEET

1

DESIGN CHECK LIST FOR POOL ENCLOSURES

I. Design Statement:

These plans have been designed in accordance with the Aluminum Structures Design Manual by Lawrence E. Bennett and are in compliance with The 2007 Florida Building Code with 2009 Supplements, Chapter 20, ASME35 and The 2005 Aluminum Design Manual Part I-A & II-A; Exposure 'B', 'C', or 'D'; Importance Factor 0.87 for 100 MPH and 0.77 for 110 MPH and higher; Negative I.P.C. 0.00; 110 MPH Wind Zone for 3 second gust; Basic Wind Pressure 2.3; Design pressures are 0 PSF for roofs & 2.9 PSF for walls. (see page 3 for wind loads and design pressures) A 300 PLF point load is also considered for screen roof members.

Notes: Wind velocity zones and exposure category is determined by local code. Design pressures and conversion multipliers are on page 3.

II. Host Structure Adequacy Statement:

I have inspected and verify that the host structure is in good repair and attachments made to the structure will be solid.

Contractor / Authorized Rep (Name) STEVE MAHLSCHEINER Phone: 879-6885
 Contractor / Authorized Rep (Signature) [Signature] Date: 12-9-10
 Contractor / Authorized Rep (Signature) GROSSER S3 SO. SEWALL'S POINT RD
 Job Name & Address

* Must have attended Engineer's Continuing Education Class within the past two years.

Note: If the total of beam span & upright height exceeds 50' or upright height exceeds 15', site specific engineering is required.

III. Building Permit Application Package contains the following:

- | | | |
|--|---|-----------------------------|
| A. Project name & address on plans | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| B. Site plan or survey with enclosure location | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| C. Contractor's / Designer's name, address, phone number, & signature on plans | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| D. Site exposure form completed | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| E. Enclosure layout drawing @ 1/8" or 1/10" scale with the following: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

- Plan view with host structure, enclosure length, projection from host structure, and all dimensions
- Front and side elevation views with all dimensions & heights

Note: All mansard wall drawings shall include mansard panel at the top of the wall.

- Beam location (show in plan & elevation view) & size (Table 1.1 & 1.6)

Roof frame member allowable span conversions from 120 MPH wind zone. "B" Exposure to MPH wind zone and / or "C" or "D" Exposure for load width of _____.

Note: Conversion factors do not apply to members subject to point load (P).

Look up span in appropriate 120 MPH span table and apply the following formula:

SPAN REQUIRED _____ REQUIRED SPAN NEEDED IN TABLE _____

$1 / (b \text{ or } d) =$ _____
 EXPOSURE MULTIPLIER
 (see this page 3)

- Upright location (show in plan & elevation view) & size (Table 1.3 & 1.6)
- Chair rail & girt size, length, & spacing (Table 1.4)
- Eave rail size, length, spacing and stitching of (Table 1.2)

Wall frame member allowable span conversions from 120 MPH wind zone. "B" Exposure to MPH wind zone and / or "C" or "D" Exposure for load width of _____.

Look up span in appropriate 120 MPH span table and apply the following formula:

SPAN REQUIRED _____ REQUIRED SPAN NEEDED IN TABLE _____

$1 / (b \text{ or } d) =$ _____
 EXPOSURE MULTIPLIER
 (see this page 3)

- | | | |
|---|---|-----------------------------|
| 7. Enclosure roof diagonal bracing in plan view | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 8. Knee braces length, location, & size (Table 1.7) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 9. Wall cables or K-bracing sizes shown in wall views | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

IV. Highlight details from the Aluminum Structures Design Manual:

- | | |
|--|-------------------------------------|
| A. Beam & purlin tables with size, thickness, spacing, & spans / lengths (Tables 1.1 & 1.2 or 1.9.1 & 1.9.2) | <input checked="" type="checkbox"/> |
| B. Upright & girt tables with size, thickness, spacing, & spans / lengths (Tables 1.3 & 1.4) | <input checked="" type="checkbox"/> |
| C. Table 1.6 with beam & upright combination | <input checked="" type="checkbox"/> |

- D. Connection details to be used such as:
- | | |
|---------------------------------------|-------------------------------------|
| 1. Beam to upright | <input checked="" type="checkbox"/> |
| 2. Beam to wall | <input checked="" type="checkbox"/> |
| 3. Beam to beam | <input checked="" type="checkbox"/> |
| 4. Chair rail, purlins, & knee braces | <input checked="" type="checkbox"/> |
| 5. Extruded gutter connections | <input checked="" type="checkbox"/> |
| 6. Angle to deck and / or sole plate | <input checked="" type="checkbox"/> |

- | | | |
|---|---|-----------------------------|
| 7. Anchors go through pavers into concrete | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 8. Minimum footing and / or knee wall details | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 9. Cable or K-brace details Section 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Wall area calculations for cables:
 W = wall width, H = wall height, R = rise
 W1 = width @ top of mansard, W2 = width @ top of wall

- E. Select footing from examples in manual.
 F. To calculate the number of cables needed.

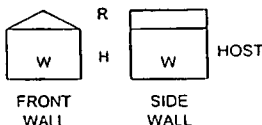
Example 1: Flat Roof

Front wall @ eave: $\frac{ft. \times ft.}{W \times H} = \frac{ft.^2}{a} @ 100\% =$ _____ ft.²
 Largest side wall: $\frac{ft. \times ft.}{W \times H} = \frac{ft.^2}{b} @ 50\% =$ _____ ft.²

Total area / (233 ft.² / cable for 3/32") = _____ cable pairs
 or
 Total area / (445 ft.² / cable for 1/8") = _____ cable pairs

Side wall cable calculation: $\frac{ft.^2}{b} @ 100\% =$ _____ ft.²

Side wall area / (233 ft.² / cable for 3/32") = _____ cable(s)
 or
 Side wall area / (445 ft.² / cable for 1/8") = _____ cable(s)



Example 2: Gable Roof

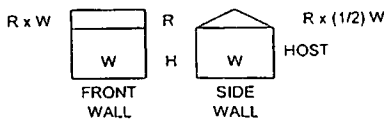
Front wall @ eave: $\frac{ft. \times ft.}{W \times H} = \frac{ft.^2}{a} @ 100\% =$ _____ ft.²
 Front gable rise: $\frac{ft. \times 1/2 (ft.)}{R \times W} = \frac{ft.^2}{b} @ 100\% =$ _____ ft.²

Largest side wall: $\frac{ft. \times ft.}{W \times H} = \frac{ft.^2}{c} @ 50\% =$ _____ ft.²
 Largest side gable rise: $\frac{ft. \times ft.}{R \times W} = \frac{ft.^2}{d} @ 50\% =$ _____ ft.²

Total area / (233 ft.² / cable for 3/32") = _____ cable pairs
 or
 Total area / (445 ft.² / cable for 1/8") = _____ cable pairs

Side wall cable calculation: $\frac{ft.^2}{c} + \frac{ft.^2}{d} = \frac{ft.^2}{e} @ 100\% =$ _____ ft.²

Side wall area / (233 ft.² / cable for 3/32") = _____ cable(s)
 or
 Side wall area / (445 ft.² / cable for 1/8") = _____ cable(s)



Example 3: Transverse Gable Roof

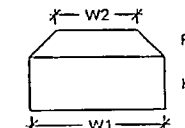
Front wall @ eave: $\frac{ft. \times ft.}{W \times H} = \frac{ft.^2}{a} @ 100\% =$ _____ ft.²
 Front gable rise: $\frac{ft. \times ft.}{R \times W} = \frac{ft.^2}{b} @ 100\% =$ _____ ft.²

Largest side wall: $\frac{ft. \times ft.}{W \times H} = \frac{ft.^2}{c} @ 50\% =$ _____ ft.²
 Largest side gable rise: $\frac{ft. \times 1/2 (ft.)}{R \times W} = \frac{ft.^2}{d} @ 50\% =$ _____ ft.²

Total area / (233 ft.² / cable for 3/32") = _____ cable pairs
 or
 Total area / (445 ft.² / cable for 1/8") = _____ cable pairs

Side wall cable calculation: $\frac{ft.^2}{c} + \frac{ft.^2}{d} = \frac{ft.^2}{e} @ 100\% =$ _____ ft.²

Side wall area / (233 ft.² / cable for 3/32") = _____ cable(s)
 or
 Side wall area / (445 ft.² / cable for 1/8") = _____ cable(s)



Example 4: Mansard Roof

Front wall @ eave: $\frac{ft. \times ft.}{W \times H} = \frac{ft.^2}{a} @ 100\% =$ _____ ft.²

Front mansard rise: $\frac{ft. \times 1/2 (ft. + ft.)}{R \times W1} = \frac{ft.^2}{b} @ 100\% =$ _____ ft.²

Largest side wall: $\frac{ft. \times ft.}{W \times H} = \frac{ft.^2}{c} @ 50\% =$ _____ ft.²

Largest side mansard rise: $\frac{ft. \times 1/2 (ft. + ft.)}{R \times W1} = \frac{ft.^2}{d} @ 50\% =$ _____ ft.²

Total area / (233 ft.² / cable for 3/32") = _____ cable pairs
 or
 Total area / (445 ft.² / cable for 1/8") = _____ cable pairs

Side wall cable calculation: $\frac{ft.^2}{c} + \frac{ft.^2}{d} = \frac{ft.^2}{e} @ 100\% =$ _____ ft.²

Side wall area / (233 ft.² / cable for 3/32") = _____ cable(s)
 or
 Side wall area / (445 ft.² / cable for 1/8") = _____ cable(s)

K-BRACE

Example 5: Dome Roof

Front dome wall @ eave: $\frac{ft. \times ft.}{W \times H} = \frac{ft.^2}{a} @ 100\% =$ _____ ft.²

Front dome rise: $\frac{ft. \times 1/2 (ft.)}{R \times W} = \frac{ft.^2}{b} @ 100\% =$ _____ ft.²

Largest side wall: $\frac{ft. \times ft.}{W \times H} = \frac{ft.^2}{c} @ 50\% =$ _____ ft.²

Largest side dome rise: $\frac{ft. \times ft.}{R \times W} = \frac{ft.^2}{d} @ 50\% =$ _____ ft.²

Total area / (233 ft.² / cable for 3/32") = _____ cable pairs
 or
 Total area / (445 ft.² / cable for 1/8") = _____ cable pairs

Side wall cable calculation: $\frac{ft.^2}{c} + \frac{ft.^2}{d} = \frac{ft.^2}{e} @ 100\% =$ _____ ft.²

Side wall area / (233 ft.² / cable for 3/32") = _____ cable(s)
 or
 Side wall area / (445 ft.² / cable for 1/8") = _____ cable(s)

Example 6: K-Bracing

K-bracing shall be used for all wind zones of 130 MPH and higher.

i) The following shall apply to the installation of K-BRACING as additional bracing to diagonal wind bracing for pool enclosures:

a) FRONT WALL K-BRACING - ONE SET FOR EACH 800 SF OF TOTAL WALL AREA
 TOTAL WALL AREA = 100% OF FRONT WALL + 50% OF ONE SIDE WALL

EXAMPLE: FRONT WALL AREA @ 100% (8' x 32') = 256 Sq. Ft.
 SIDE WALL AREA @ 50% (8' x 20') = 80 Sq. Ft.
 TOTAL WALL AREA = 336 Sq. Ft.
 800 SF > 336 SF THUS ONE SET OF FRONT WALL K-BRACING IS REQUIRED.

b) SIDE WALL K-BRACING - ONE SET FOR 233 SF TO 800 SF OF WALL

c) To calculate the required pair of k-bracing for free standing pool enclosures use 100% of each wall area & 50% of the area of one adjacent wall.

FRONT WALL IS 256 @ 10' TALL = 2560
 SIDE WALL IS 27 @ 10' = 270
 x 50 = 135
 385

Tom & Country INDUSTRIES, INC.
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ALUMINUM STRUCTURES DESIGN MANUAL
 SCREEN ENCLOSURES
 INSPECTION GUIDE / DESIGN CHECK LIST
 2007 FLORIDA BUILDING CODE
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 315 Herbert St., Port Orange, FL 32129
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GENERAL NOTES AND SPECIFICATIONS

- The following structures are designed to be married to site built block or wood frame DCA approved modular structures of adequate structural capacity. The contractor / home owner shall verify that the host structure is in good condition and of sufficient strength to hold the proposed addition.
- If the owner or contractor has a question about the host structure, the owner (at his own expense) shall hire an architect, engineer, or a certified home inspection company to verify host structure capacity.
- The structures designed using this section shall be limited to a maximum combined span and upright height of 50' and a maximum upright height of 16'. Structures larger than these limits shall have site specific engineering.
- Spans are for enclosures with mean roof heights less than 30'. For greater heights, site specific is required.
- Connections to fascia shall be limited to overhangs shown in table 1.11 or less unless site specific engineering is provided.
- The proper structural name for a chair rail or top rail of an enclosure is a girt. Thus the terminology shall be interchangeable.
- Screws that penetrate the water channel of the super gutter shall have ends clipped off for safety of cleaning gutter and the heads of screws through the gutter into the fascia shall be caulked.
- Span tables and attachment details for composite panels are in the solid roof panel products section.
- When using TEK screws in lieu of S.M.S., longer screws must be used to compensate for drill head.
- An additional super gutter strap or ferrule is required to be located near the midpoint of the beam spacing. Straps shall be attached to each truss / rafter tail when a 2" sub-fascia does not exist. Straps at the beam are not required when straps are placed @ each truss / rafter tail and spacing of straps does not exceed 2'-0".
- Super or extruded gutter details are applicable to all widths of super or extruded gutters, and gutters may be substituted. Gutter straps and/or ferrules shall be the width of the inside and outside of the super or extruded gutter respectively. The center of the knee braces shall not be more than 6" above the top of the super or extruded gutter.
- If the sub-fascia is 3/4", and the sub-fascia is in good repair, a 3/4" P.T.P. strip the width of the fascia may be added to the existing sub-fascia by attaching the plywood with (2) 16d x 3" common nails or (2) #8 x 3" screws. This gives the equivalent of a 2" fascia.
- Spans may be interpolated between values but not extrapolated outside values.
- All 2" X 4" and larger purlins shall have an internal or external angle clip or screw boss to fasten the bottom of the purlin to the beam.
- Load width and / or panel spacing used in determining spans / heights is measured from center to center of the members.
EXAMPLE:
Screen panel A is 6' center to center. Screen panel B is 7' center to center. The load width of the frame member between panel A and B is $(6/2 + 7/2) = 6.5'$ or 6'-6".
The distance, spacing or load width is not measured between frame members as that would reduce it by 2" to the load width if figured that way.
- Definition, standards and specifications can be viewed online at www.lebpe.com.
- Moment connections and moment tables can not be used in solid roof/ screen roof combination enclosures or any connection that requires a knee brace such as in a dome roof.
- All aluminum extrusions shall meet the strength requirements of ASTM B221 after powder coating.
- Other shapes than those shown in Section 8 with State Product Approvals may be used with the details of this section so long as the shapes are compatible with the details.
- All aluminum shall be ordered as to the alloy and hardness after heat treatment and paint is applied.
Example: 6063-T6 after heat treatment and paint process.
- Aluminum metals that will come in contact with ferrous metal surfaces or concrete / masonry products or pressure treated wood shall be coated w/ two coats of aluminum metal-and-masonry paint or a coat of heavy-bodied bituminous paint, or the wood or other absorbing material shall be painted with two coats of aluminum house paint and the joints sealed with a good quality caulking compound. The protective materials shall be as listed in section 2003.8.4.3 through 2003.8.4.6 of the Florida Building Code or Corobound Cold Galvanizing Primer and Finisher.
- All fasteners or aluminum parts shall be corrosion resistant, such as non magnetic stainless steel grade 304 or 316; Ceramic coated, double zinc coated or powder coated steel fasteners. Only fasteners that are warranted as corrosion resistant shall be used; Unprotected steel fasteners shall not be used.
- Any structure within 1500 feet of a salt water area; (bay or ocean) shall have fasteners made of non-magnetic stainless steel 304 or 316 series. 410 series has not been approved for use with aluminum by the Aluminum Association and should not be used.
- Any project covering a pool with a salt water chlorination disinfection system shall use the above recommended fasteners. This is not limited to base anchoring systems but includes all connection types.

SECTION 1 DESIGN STATEMENT

The structures designed for Section 1 are framing systems with screen roofs & walls and loads have been determined by wind tunnel test that include any negative internal pressure coefficient. Since these structures are open, the negative internal pressure coefficient is considered to be 0.00. The design loads used are from Chapter 20 of The 2007 Florida Building Code with 2009 Supplements. The loads assume a mean roof height of less than 30'; roof slope of 0° to 20°; $I = 0.87$ for 100 MPH and 0.77 for 110 or higher. All loads are based on 20 / 20 screen or larger. All pressures shown in the below table are in PSF (#/SF). All framing components are considered to be 6063-T6 alloy.

GENERAL NOTES AND SPECIFICATIONS FOR SECTION 1 TABLES

SECTION 1 Uniform Loads for Structures with Screen Roof & Walls

Wind Velocity (m.p.h.)	Basic Wind Pressure (p.s.f.)	Exposure 'B'			Exposure 'C'		
		Roofs (p.s.f.)	Windward Walls (p.s.f.)	Leeward Walls (p.s.f.)	Roofs (p.s.f.)	Windward Walls (p.s.f.)	Leeward Walls (p.s.f.)
100	13	3	12	10	5	17	13
110	14	4	13	9	5	18	14
120	17	4	15	13	6	21	17
123	18	4.3	15.9	13.3	6.3	22.2	17.6
130	20	5	18	14	7	25	19
1401 & 2	23	6	21	15	8	29	23
150	26	7	24	18	9	33	27

Loads per table 2002.4
Multipliers only apply to members when spans / heights are controlled by wind pressure, not by point load.

Conversion Table 1A
Wind Zone Conversion Factors for Screen Roof or Wall Frame Members
From 120 MPH Wind Zone to Others; Exposure 'B'

Wind Zone MPH	Roofs		Walls	
	Applied Load #/ SF	Conversion Factor	Applied Load #/ SF	Conversion Factor
100	3	1.15	12	1.12
110	4	1.00	13	1.07
120	4	1.00	15	1.00
123	4.3	0.96	15.9	0.97
130	5	0.89	18	0.91
1401 & 2	6	0.82	21	0.85
150	7	0.76	24	0.79

Note:
Multipliers are for wall loads only.
Multipliers only apply to members when spans / heights are controlled by wind pressure, not by point load.

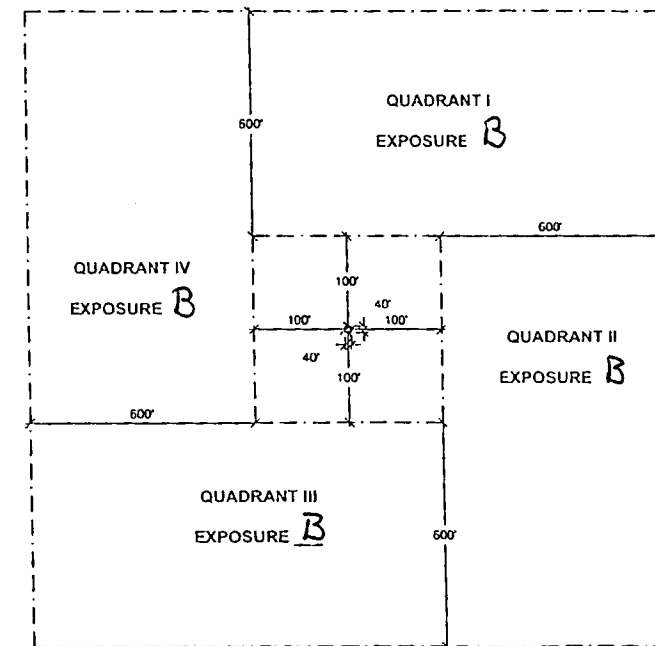
Conversion Table 1B
Load Conversion Factors Based on Mean Roof Height from Exposure "B" to "C" & "D"

Mean Roof Height'	Exposure "B" to "C"			Exposure "B" to "D"		
	Load Conversion Factor	Span Multiplier		Load Conversion Factor	Span Multiplier	
		Bending	Deflection		Bending	Deflection
0 - 15'	1.21	0.91	0.94	1.47	0.83	0.88
15' - 20'	1.29	0.88	0.92	1.54	0.81	0.87
20' - 25'	1.34	0.86	0.91	1.60	0.79	0.86
25' - 30'	1.40	0.85	0.89	1.66	0.78	0.85
30' - 40'	1.37	0.85	0.90	1.61	0.79	0.85

* Use larger mean roof height of host structure or enclosure
Values are from ASCE 7-05
Multipliers only apply to members when spans / heights are controlled by wind pressure (U_b or U_d), not by point load (P_b or P_d).

Conversion Example (Convert span for Exposure "B" to "C"):
If max span found from span tables for Exposure "B" = 31'-11" = 31.92' and the mean roof height of the structure is 0-15' then multiply span by 0.91 the span for Exposure "C" is 31.92' * 0.91 = 29.05' = 29'-1"

SITE EXPOSURE EVALUATION FORM



NOTE: ZONES ARE MEASURED FROM STRUCTURE OUTWARD

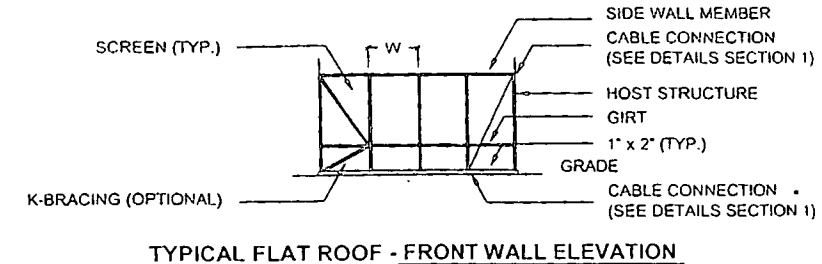
SITE

USING THE FOLLOWING CRITERIA, EVALUATE EACH QUADRANT AND MARK IT AS 'B', 'C', OR 'D' EXPOSURE. 'C' OR 'D' EXPOSURE IN ANY QUADRANT MAKES THE SITE THAT EXPOSURE.

EXPOSURE C: Open terrain with scattered obstructions, including surface undulations or other irregularities, having heights generally less than 30 feet extending more than 1,500 feet from the building site in any quadrant.

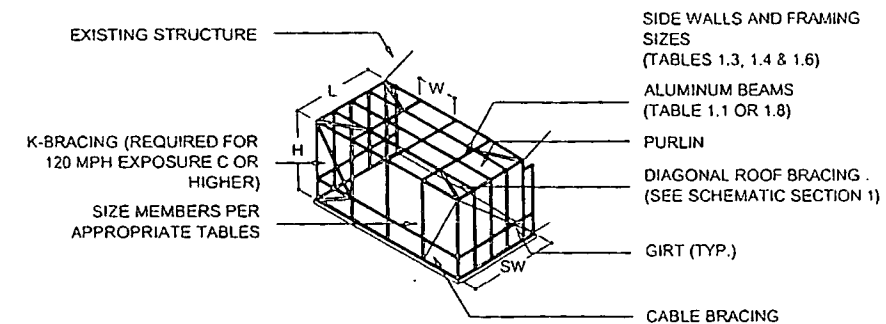
- Any building located within Exposure B-type terrain where the building is within 100 feet horizontally in any direction of open areas of Exposure C-type terrain that extends more than 600 feet and width greater than 150 ft.
- No short term changes in 'b', 2 years before site evaluation and build out within 3 years, site will be 'b'.
- Flat, open country, grasslands, ponds and ocean or shorelines in any quadrant for greater than 1,500 feet.
- Open terrain for more than 1,500 feet in any quadrant.

SITE IS EXPOSURE B EVALUATED BY: STEVE MAALSCHEIDT DATE: 12-9-10
SIGNATURE: [Signature] LICENSE #: CGC1507642



TYPICAL FLAT ROOF - FRONT WALL ELEVATION

SCALE: N.T.S.



TYPICAL FLAT ROOF - ISOMETRIC

SCALE: N.T.S.

TYPICAL NOMENCLATURE FOR SCREENED ENCLOSURES:

- H- MAXIMUM UPRIGHT HEIGHTS
- L- MAXIMUM BEAM SPAN WITHOUT KNEE BRACE. (ADD HORIZONTAL LENGTH OF KNEE BRACE TO SPAN FROM TABLES)
- SW- SIDE WALLS CAN BE FRAMED WITHOUT TOP BEAM AND CAN BE SMALLEST EXTRUSIONS ALLOWED BY SPAN TABLES
- W- SCREEN PANEL SPACING

CONNECTION DETAILS AND NOTES ARE FOUND IN SUBSEQUENT PAGES.

Tom & Country
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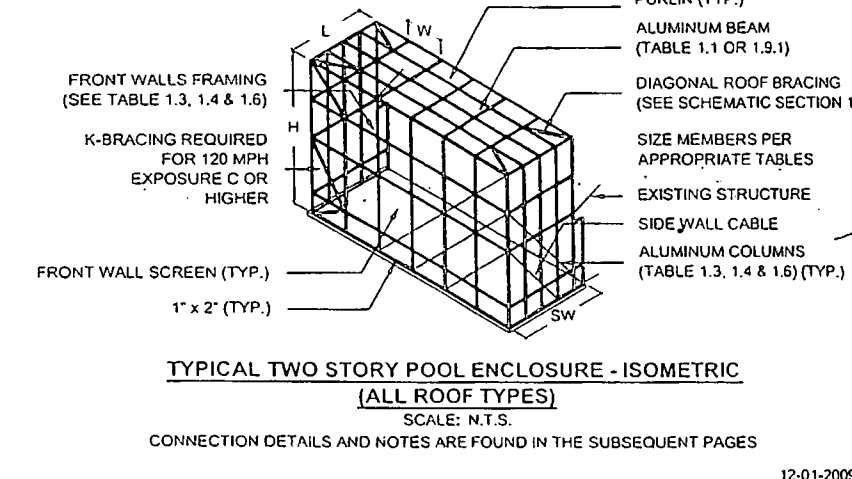
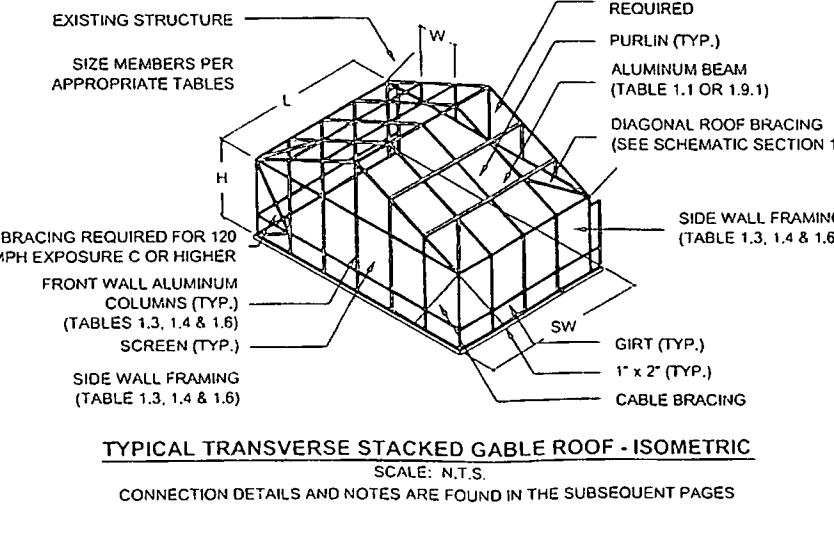
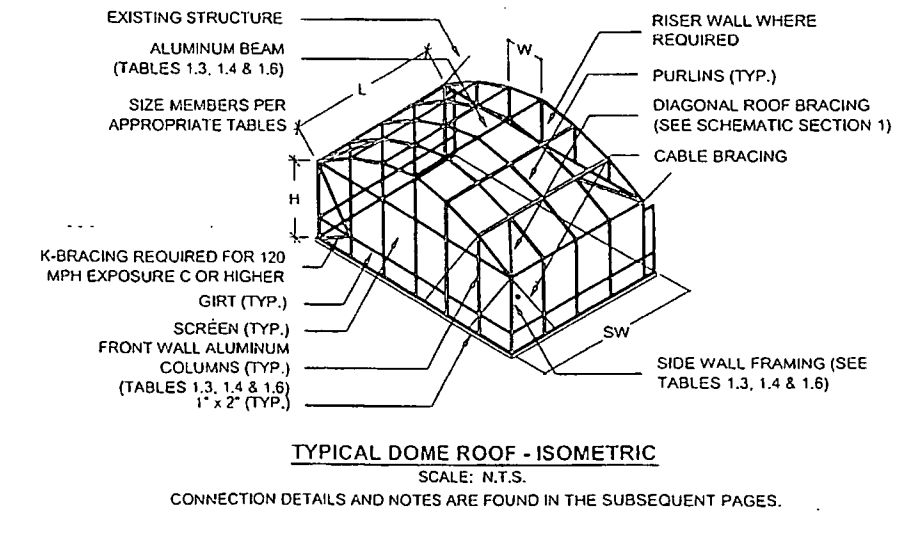
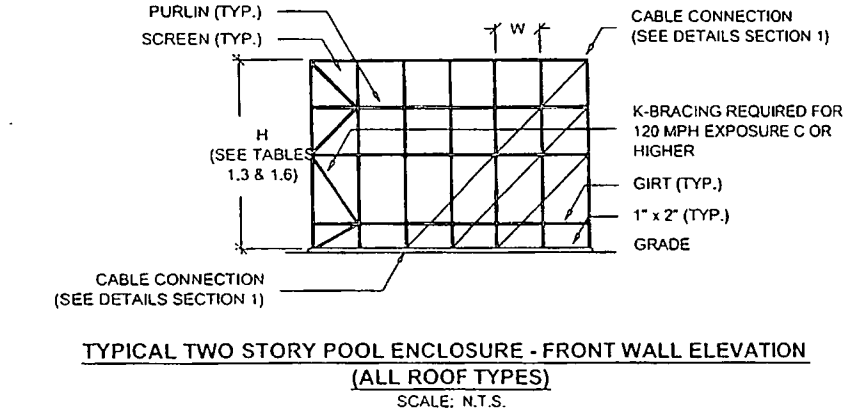
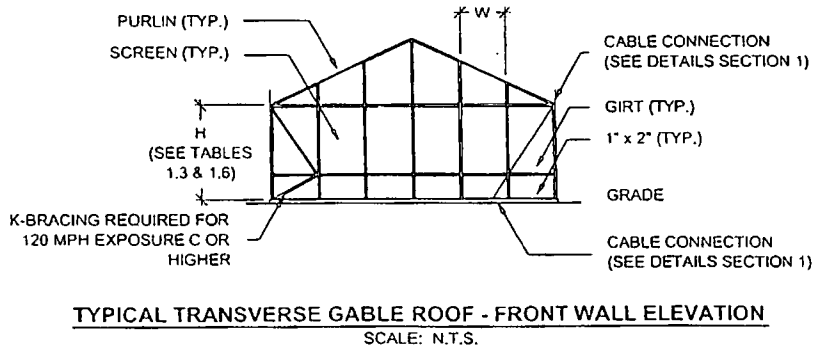
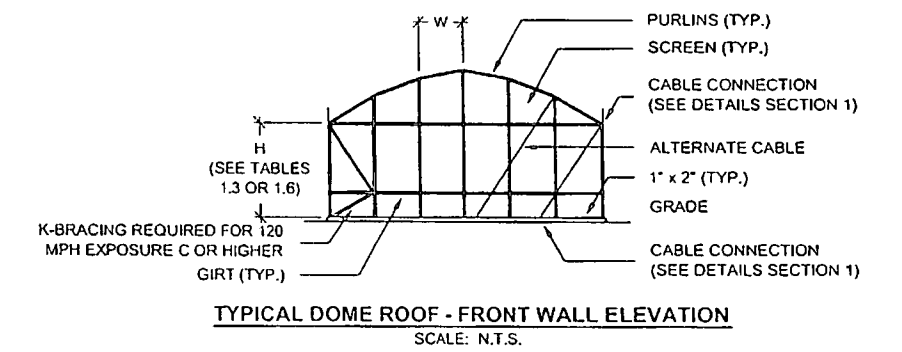
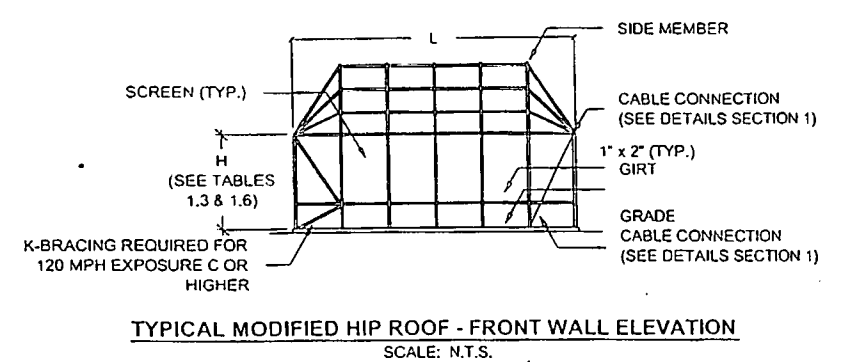
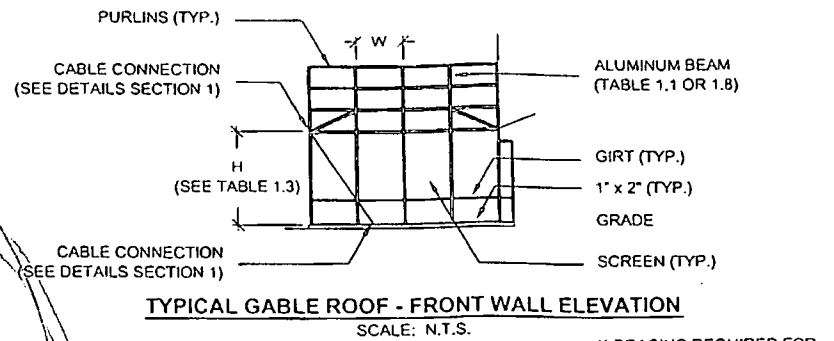
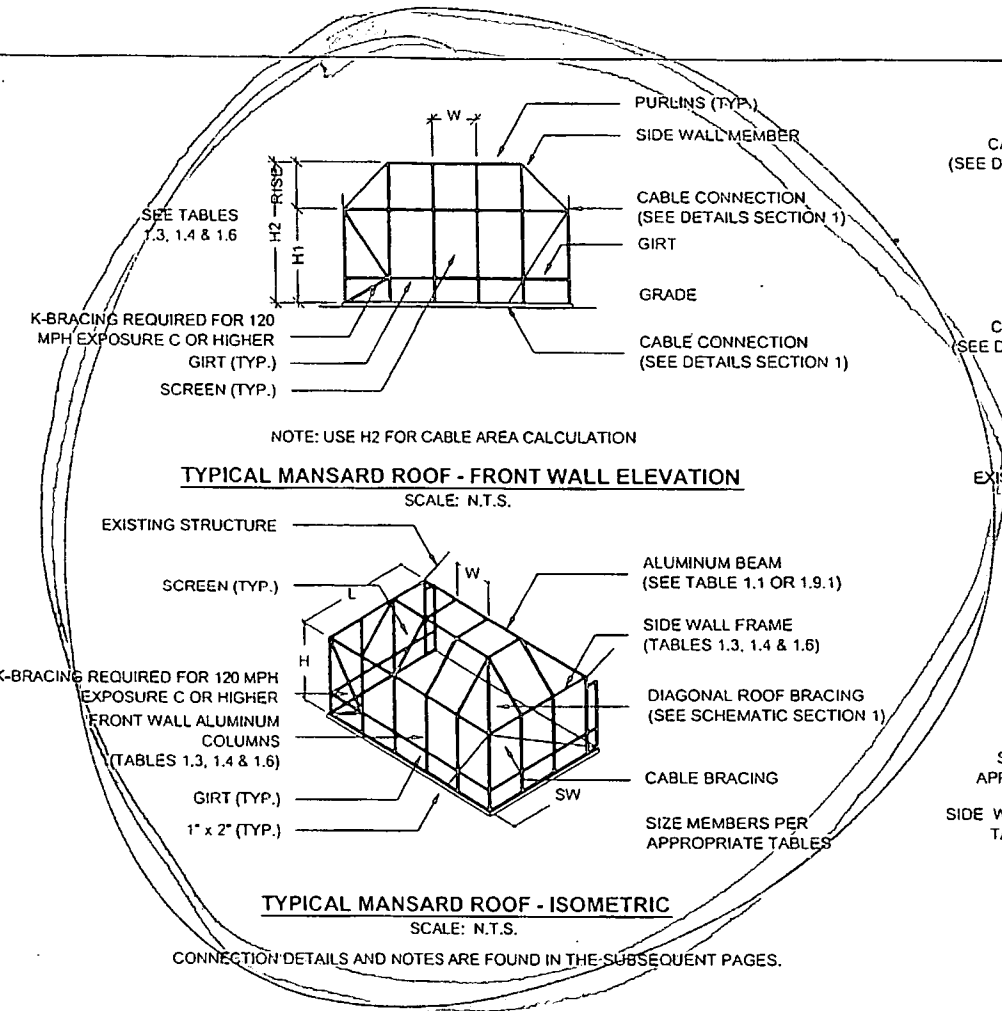
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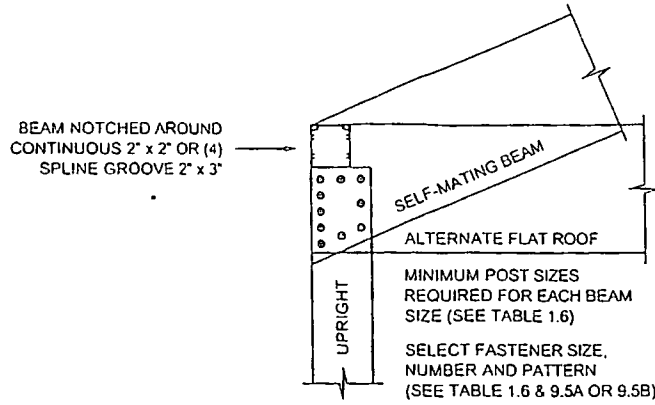
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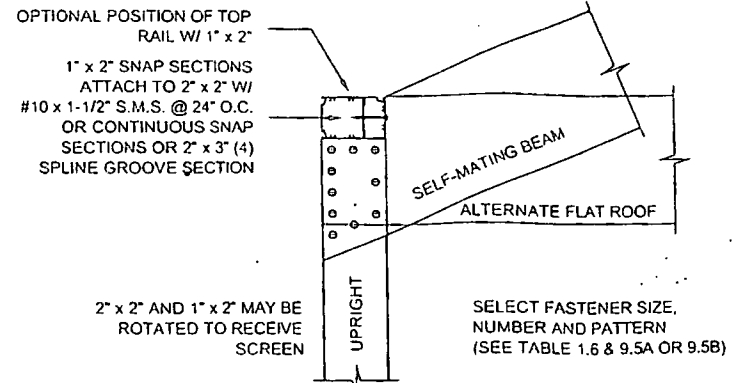
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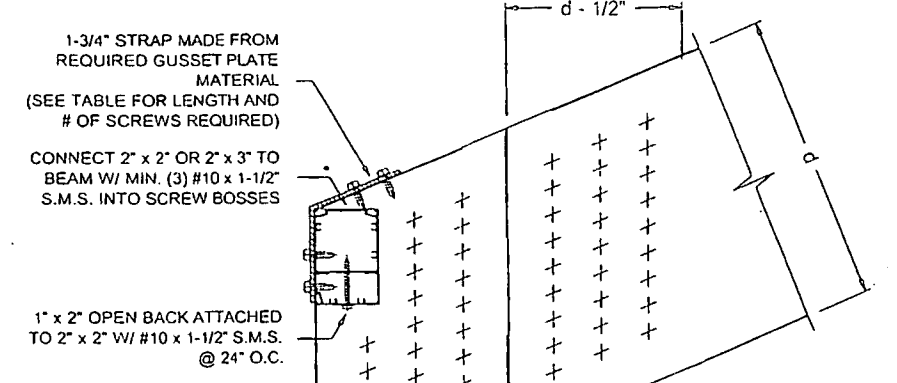




BEAM TO UPRIGHT CONNECTION DETAIL (FULL LAP)
SCALE: 2" = 1'-0"



UPRIGHT CONNECTION DETAIL (FULL LAP)
SCALE: 2" = 1'-0"



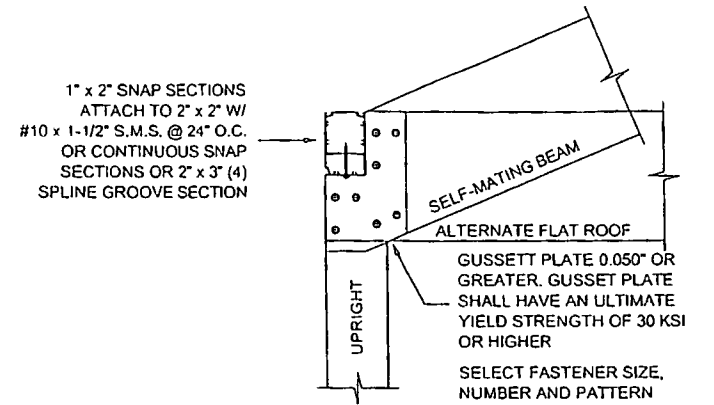
ALTERNATE BEAM TO POST CONNECTION (FULL LAP)

Strap Table

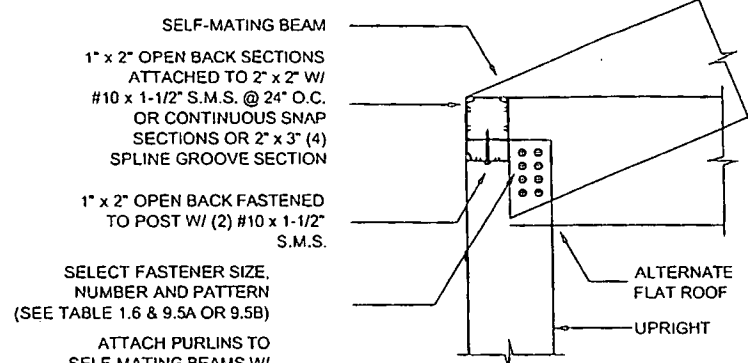
Beam Size	Screws # / Size	Strap Length
2" x 7"	(4) #12	2-3/4"
2" x 8"	(4) #14	3-1/4"
2" x 9"	(4) #14	3-1/4"
2" x 10"	(6) #14	4-1/2"

* ALL SCREWS 3/4" LONG

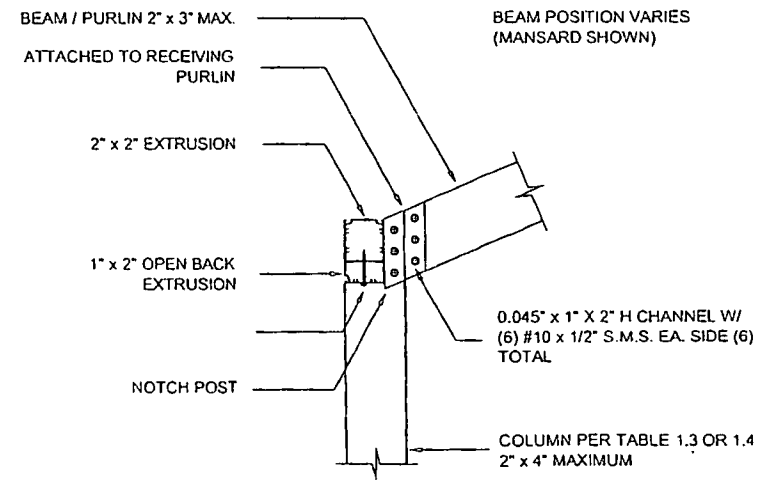
- Notes:
- 1) Fill outer screw positions first until required number of screws is achieved.
 - 2) See Table 1.6 for screw sizes and number.
 - 3) Screw pattern layout with spacing between screws greater than minimum is allowed so that equal spacing is achieved.
 - 4) 2" x 8" beam with 2" x 5" upright shown. Other beam to upright combinations per table 1.6 may be used.



UPRIGHT CONNECTION WITH GUSSET PLATE DETAIL (FULL LAP)
SCALE: 2" = 1'-0"

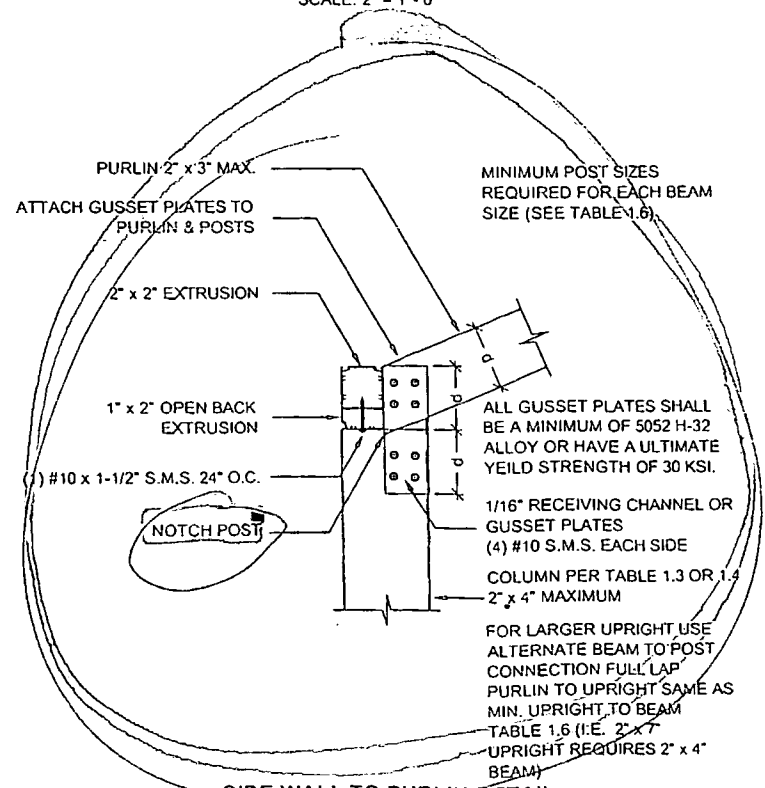


SLOPING BEAM TO UPRIGHT CONNECTION DETAIL (PARTIAL LAP)
SCALE: 2" = 1'-0"

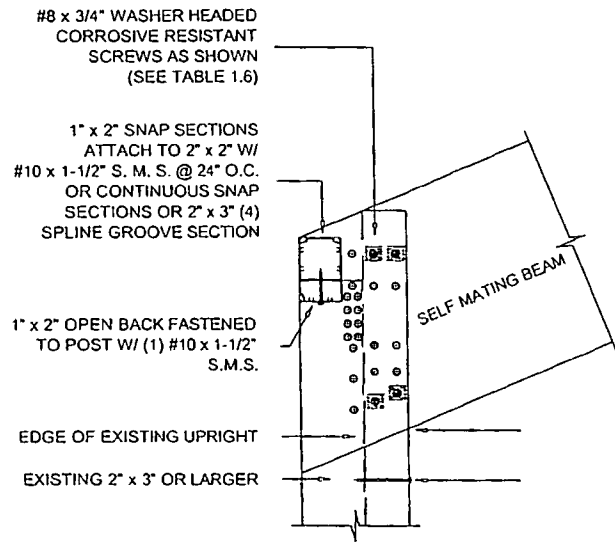


BEAM TO POST CONNECTION
SCALE: 2" = 1'-0"

FOR LARGER UPRIGHT USE ALTERNATE BEAM TO POST CONNECTION FULL LAP DETAIL THIS PAGE AND MIN. PURLIN TO UPRIGHT SAME AS MIN. UPRIGHT TO BEAM TABLE 1.6 (I.E. 2" x 7" UPRIGHT REQUIRES 2" x 4" BEAM)



SIDE WALL TO PURLIN DETAIL
SCALE: 2" = 1'-0"



Existing Hollow Member	Member Added	Equivalent Hollow Member
2" x 2" x 0.040"	1" x 2" x 0.044"	2" x 3" x 0.045
2" x 3" x 0.040"	1" x 2" x 0.044"	2" x 3" x 0.045
2" x 4" x 0.040"	1" x 2" x 0.044"	2" x 4" x 0.045

* Joined using 2" H channel.

COMPOSITE BEAM W/ ADDITION OF AUXILLARY MEMBER TO EXISTING HOLLOW MEMBER FOR EQUIVALENT HOLLOW MEMBER
SCALE: 3" = 1'-0"

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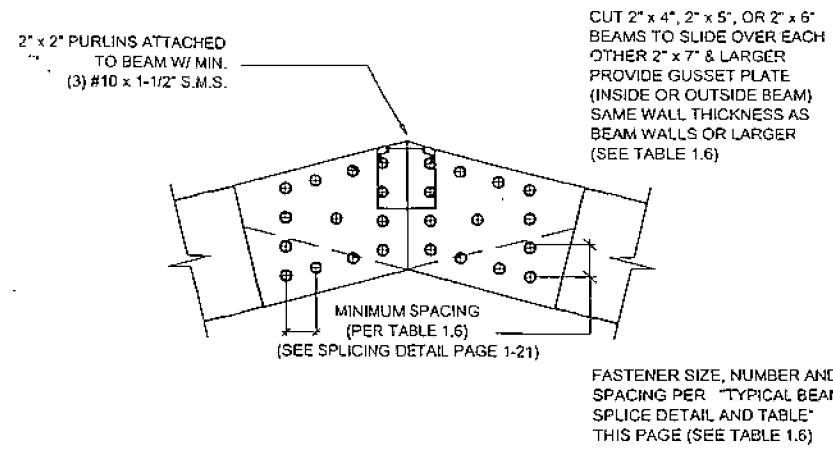
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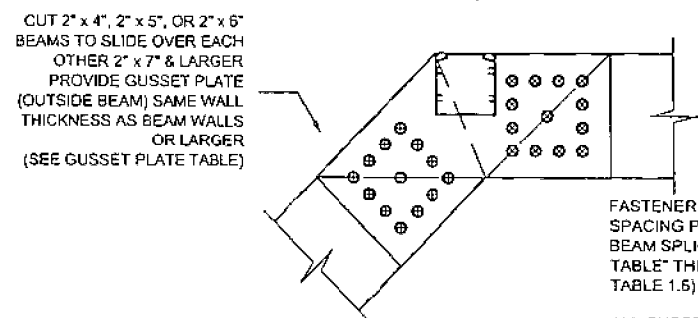
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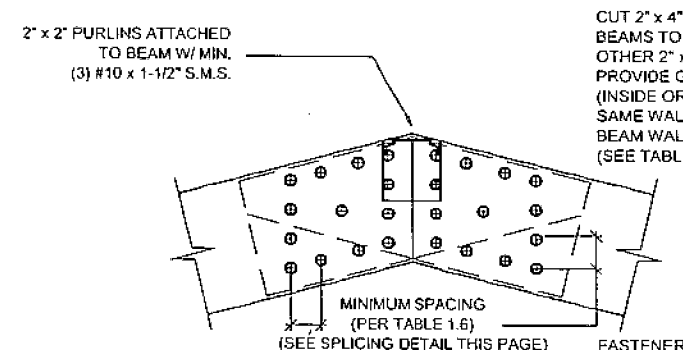
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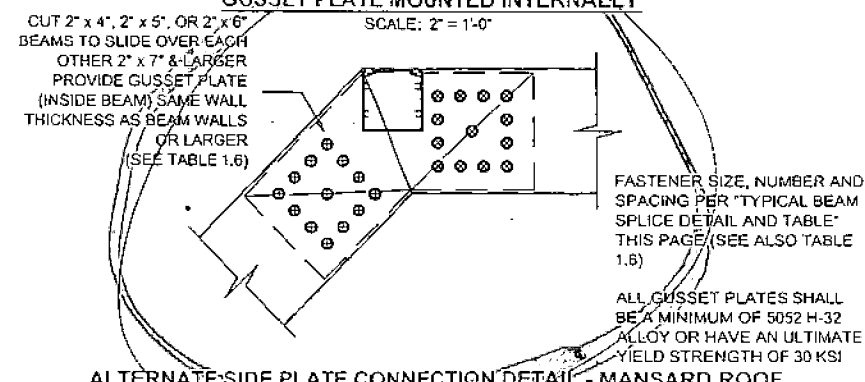
TYPICAL SIDE PLATE CONNECTION DETAIL
SCALE: 2" = 1'-0"



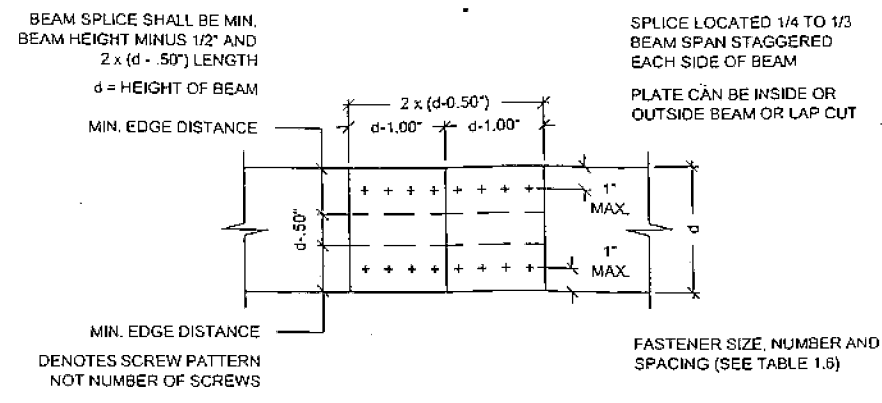
TYPICAL SIDE PLATE CONNECTION DETAIL - MANSARD ROOF
SCALE: 2" = 1'-0"



ALTERNATE SIDE PLATE CONNECTION DETAIL - GUSSET PLATE MOUNTED INTERNALLY
SCALE: 2" = 1'-0"



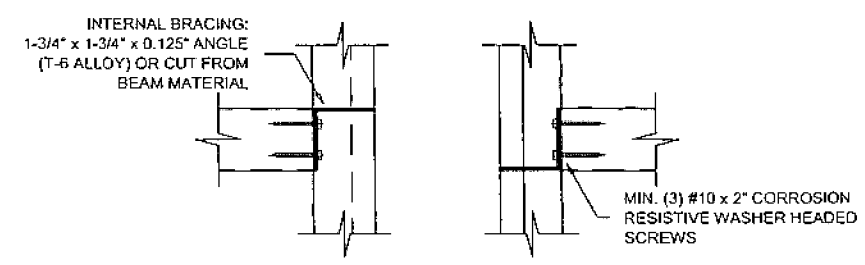
ALTERNATE SIDE PLATE CONNECTION DETAIL - MANSARD ROOF - GUSSET PLATE MOUNTED INTERNALLY
SCALE: 2" = 1'-0"



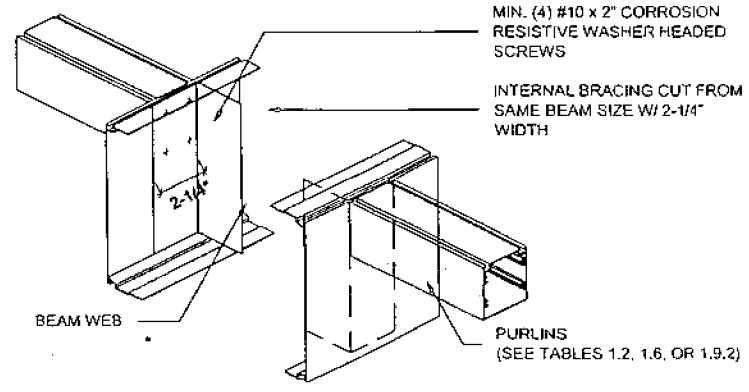
TYPICAL BEAM SPLICE DETAIL
SCALE: 2" = 1'-0"

Screw Size	ds (in.)	Minimum Distance and Spacing of Screws*		Gusset Plate	
		Edge to Center 2ds (in.)	Center to Center 2-1/2ds (in.)	Beam Size	Thickness (in.)
#6	0.16	3/8	7/16	2" x 7" x 0.055" x 0.120"	1/16 = 0.063
#10	0.19	3/8	1/2	2" x 8" x 0.072" x 0.224"	1/8 = 0.125
#12	0.21	7/16	9/16	2" x 9" x 0.072" x 0.224"	1/8 = 0.125
#14 or 1/4"	0.25	1/2	5/8	2" x 9" x 0.082" x 0.308"	1/8 = 0.125
3/16"	0.31	5/8	3/4	2" x 10" x 0.092" x 0.369"	1/4 = 0.25

* refers to each side of splice
** use for 2" x 4" and 2" x 6" also
Note:
1. All gusset plates shall be minimum 5052 H-32 Alloy or have a minimum yield of 30 ksi.



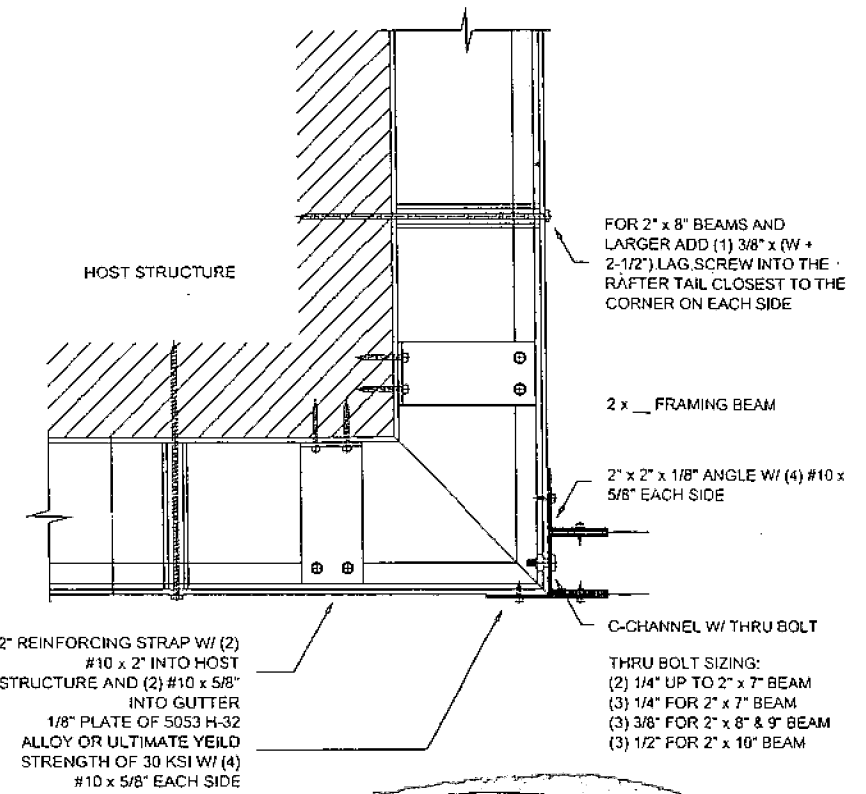
PLAN VIEW
SCALE: 2" = 1'-0"



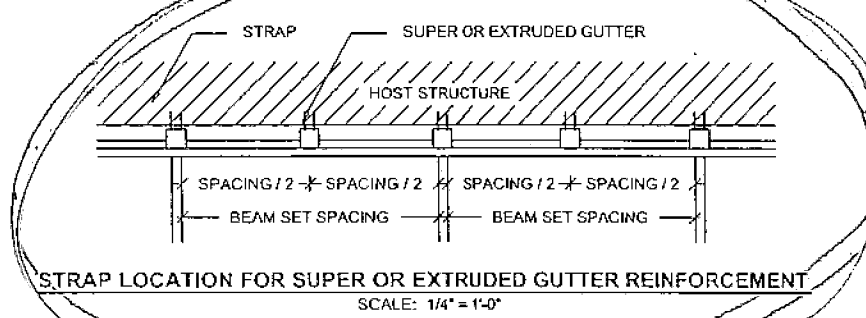
ISOMETRIC VIEW
SCALE: N.T.S.

LATERAL BEAM BRACING DETAILS (FOR SPANS GREATER THAN 40'-0")

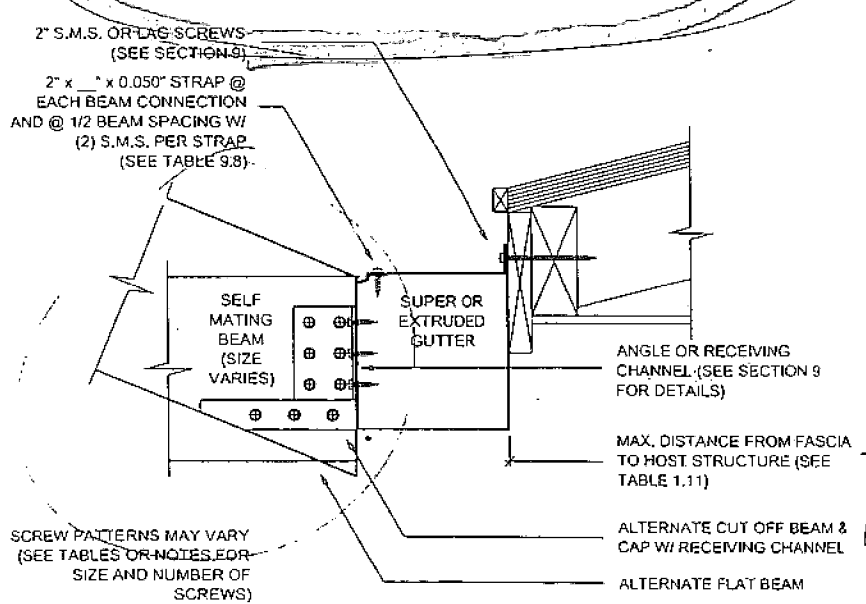
- NOTES:
1. REQUIRED FOR SPANS GREATER THAN 40' AND ALL DOME OR TRANSVERSE GABLE ENCLOSURES.
2. FOR ALL PURLINS & GIRTS SHALL USE ALL SCREW BOSSES AVAILABLE & IF THERE IS NO BOTTOM SCREW BOSS ADD AN EXTERNAL OR INTERNAL CLIP TO ANCHOR BOTTOM OF PURLIN OR GIRT.



OUTER MITER DETAIL FOR SUPER GUTTER TO CARRIER-BEAM
SCALE: 2" = 1'-0"



STRAP LOCATION FOR SUPER OR EXTRUDED GUTTER REINFORCEMENT
SCALE: 1/4" = 1'-0"



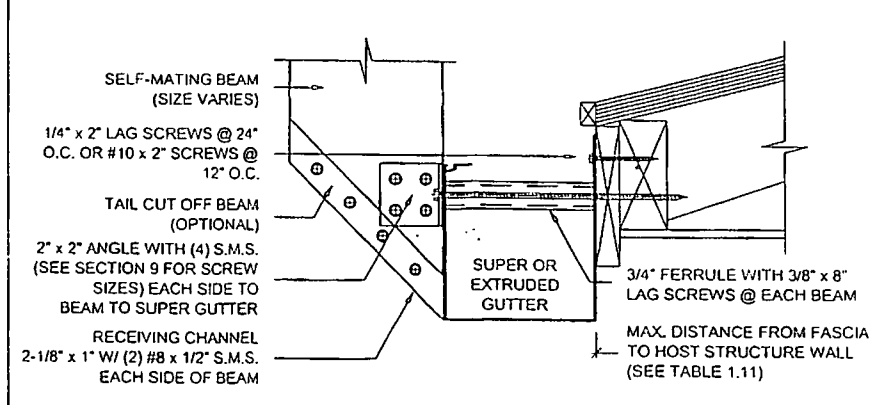
SELF-MATING BEAM CONNECTION TO SUPER OR EXTRUDED GUTTER

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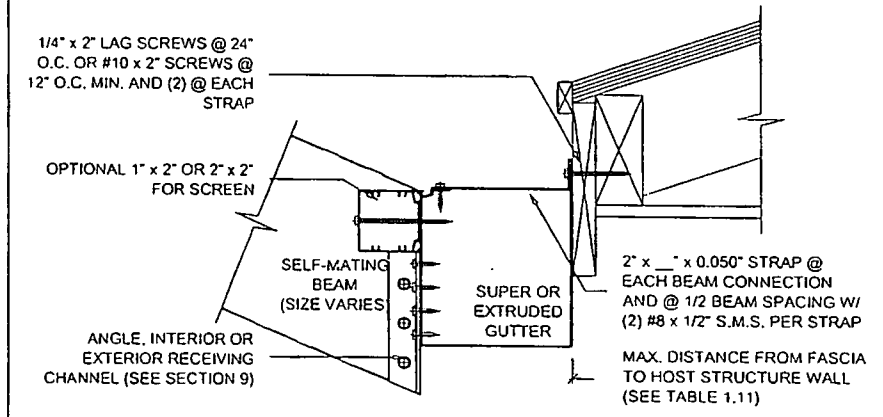
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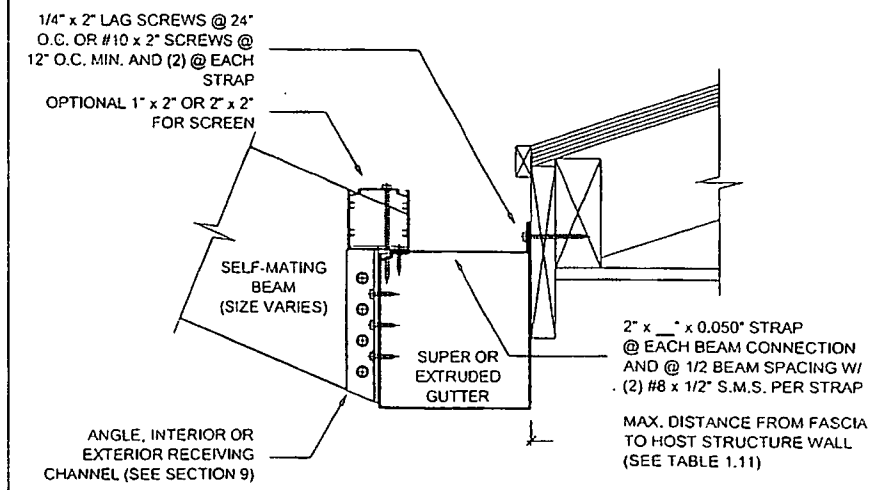
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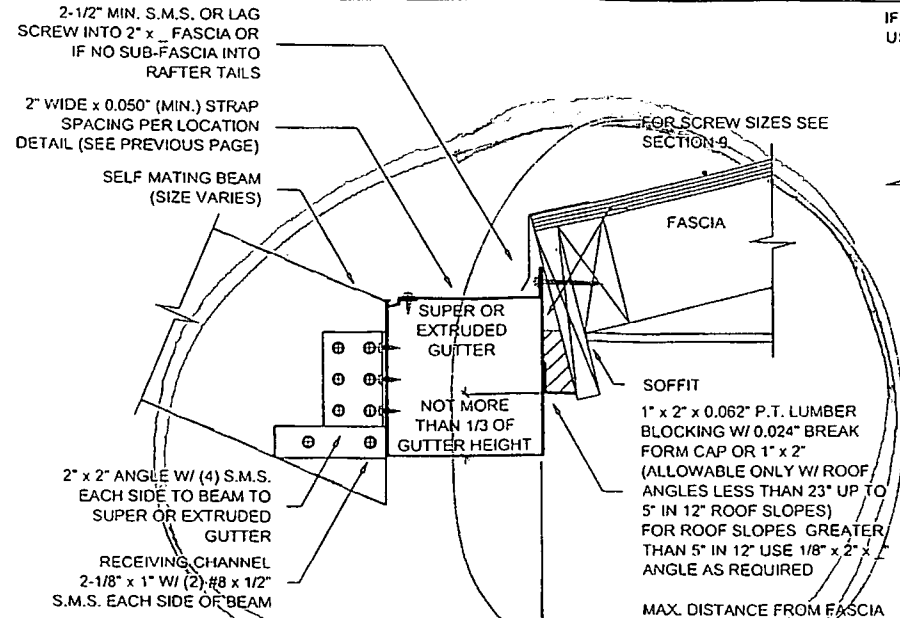
SELF MATING BEAM AND SUPER OR EXTRUDED GUTTER CONNECTION
 SCALE: 2" = 1'-0"



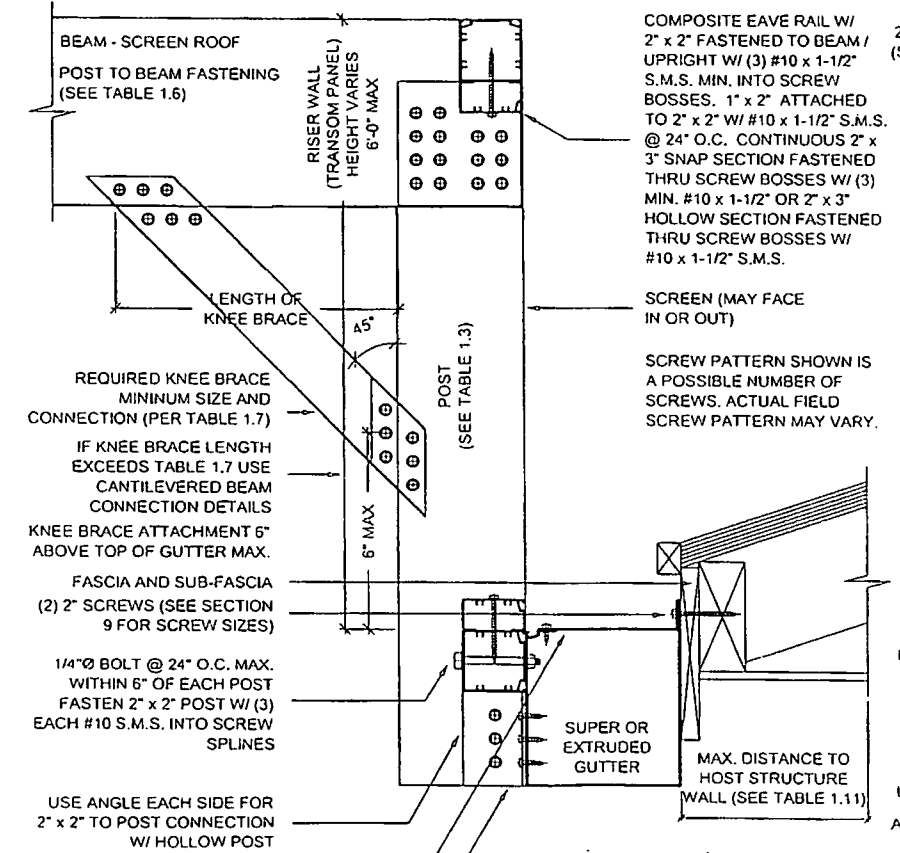
SELF MATING BEAM CONNECTION TO SUPER OR EXTRUDED GUTTER
 SCALE: 2" = 1'-0"



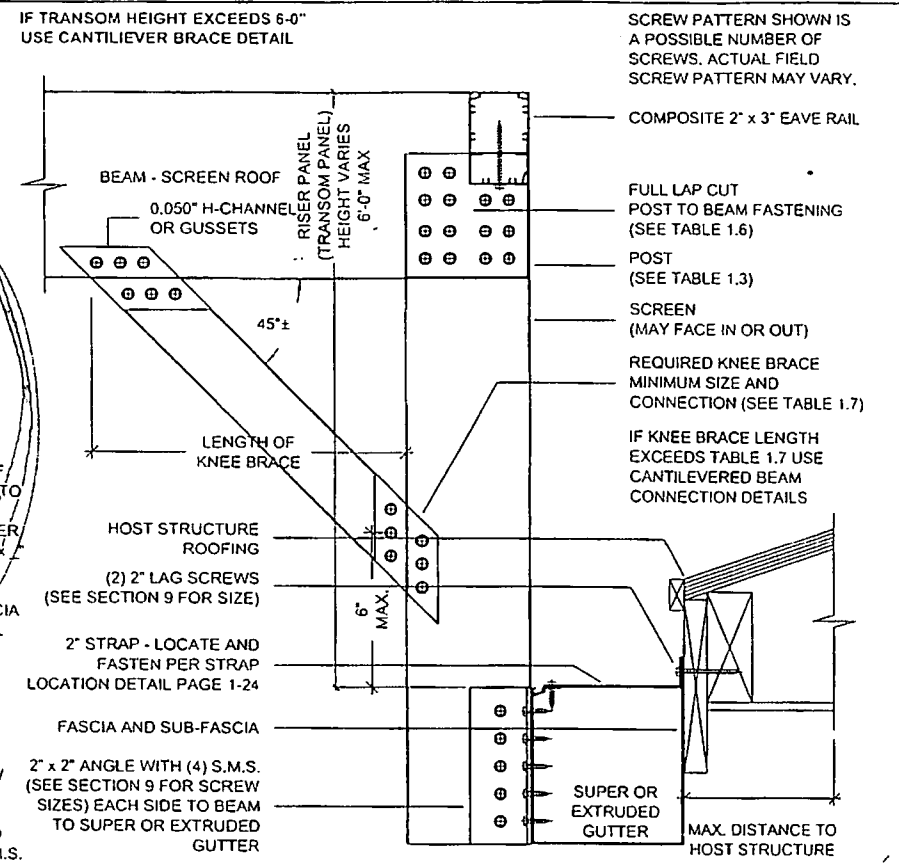
ALTERNATE SELF MATING BEAM CONNECTION TO SUPER OR EXTRUDED GUTTER
 SCALE: 2" = 1'-0"



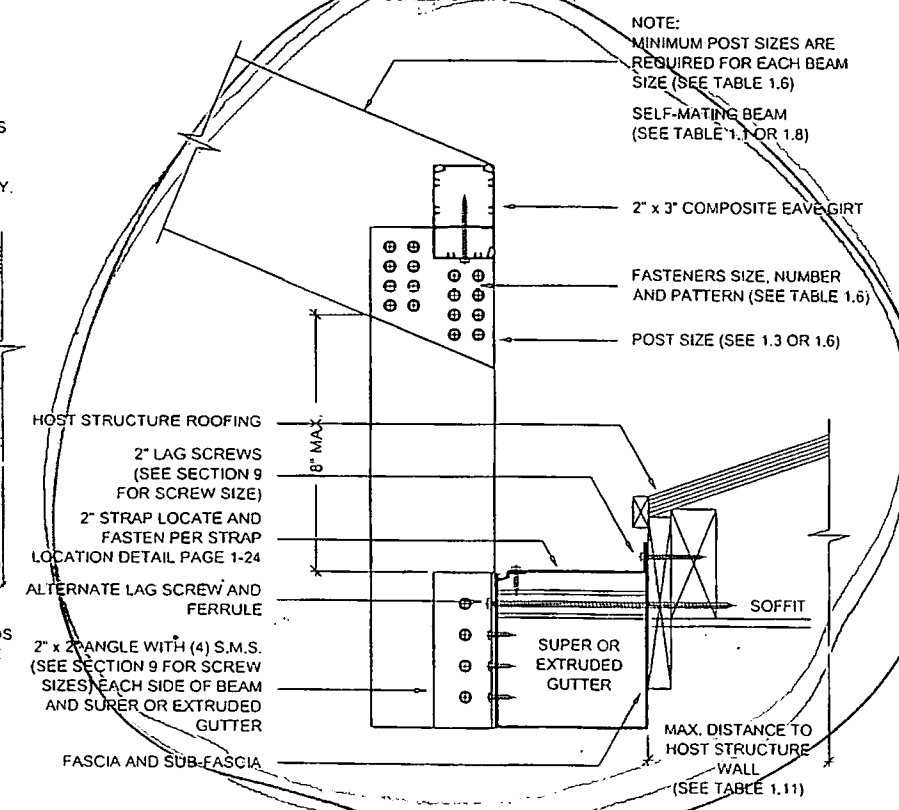
TYPICAL SELF MATING BEAM AND SUPER OR EXTRUDED GUTTER CONNECTION
 SCALE: 2" = 1'-0"



SUPER OR EXTRUDED GUTTER RISER (OR TRANSOM) WALL AT FASCIA - DETAIL 1
 SCALE: 3" = 1'-0"



SUPER OR EXTRUDED GUTTER RISER (OR TRANSOM) WALL AT FASCIA - DETAIL 2
 SCALE: 3" = 1'-0"



SUPER OR EXTRUDED GUTTER RISER (OR TRANSOM) WALL AT FASCIA - DETAIL 3
 SCALE: 3" = 1'-0"

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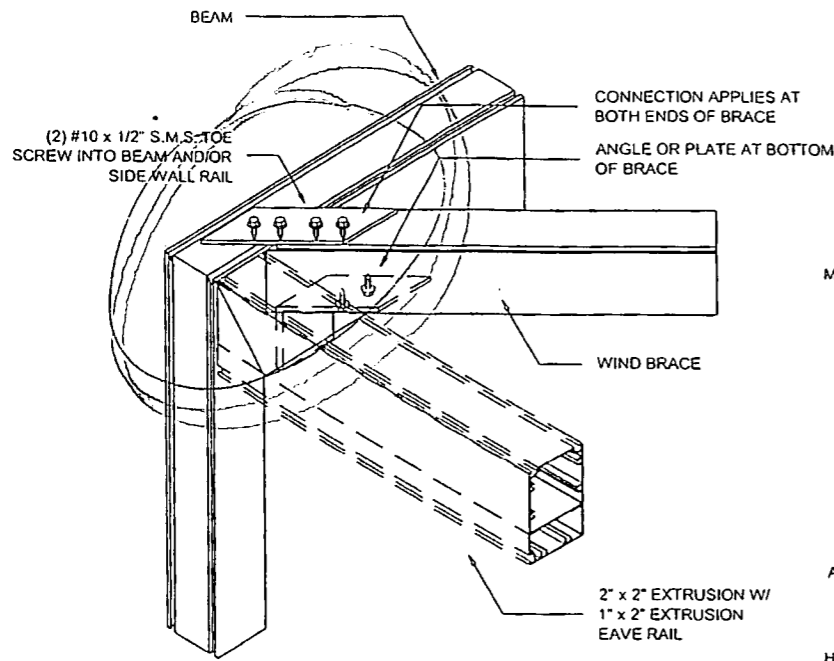
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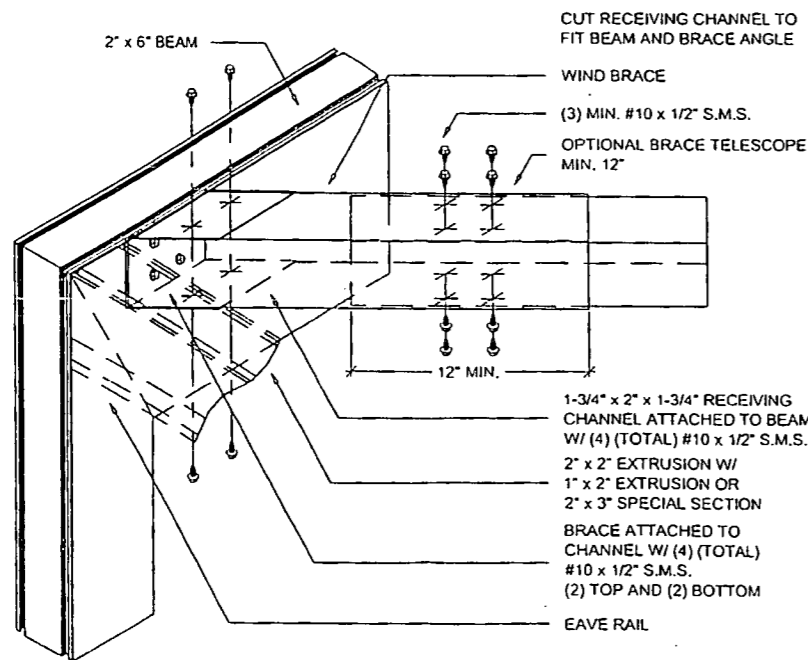


WIND BRACE CONNECTION DETAIL

SCALE: 2" = 1'-0"

NOTES:

1. Wind bracing shall be provided at each side wall panel when enclosure projects more than (4) panels from host structure.



TELESCOPING WIND BRACE CONNECTION DETAIL

SCALE: 2" = 1'-0"

NOTES:

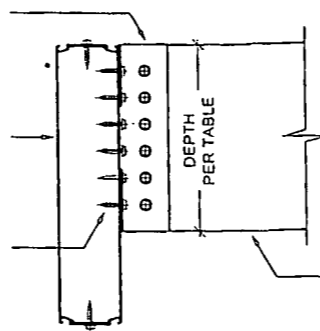
1. Wind bracing shall be provided at each side wall panel when enclosure projects more than three panels from host structure. Structures of four or more panels shall be spaced for even number of panels for opposing wind bracing.
2. Cut brace parts with min. 12" lap of larger and smaller brace.
3. Cut receiving channel with angle.

CONNECTOR MAY BE (2) ANGLES, INTERNAL 'U' CHANNEL OR EXTERNAL 'U' CHANNEL EACH SIDE OF CONNECTING BEAM W/ SCREWS (PER SECTION 9)

CARRIER BEAM (SEE TABLE 1.5)

MINIMUM NUMBER S.M.S. 3/4" LONG REQUIRED EQUAL TO BEAM DEPTH (SEE SECTION 9)

EXTRUSIONS W/ INTERNAL SCREW BOSSES MAY BE CONNECTED W/ (3) #10 x 1-1/2" INTERNALLY



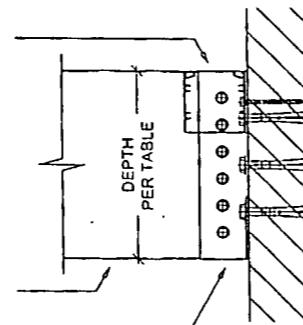
CARRIER BEAM TO BEAM CONNECTION DETAIL

SCALE: 2" = 1'-0"

ALTERNATE: 1" x 2", 1" x 3" OR 2" x 2" ATTACHED TO WALL W/ #10 x 2" S.M.S. @ 16" O.C.

HOST STRUCTURE MASONRY OR FRAMED WALL (SELECT FASTENERS FROM SECTION 9 TABLES)

PRIMARY OR MISC. FRAMING BEAM (SIZE PER TABLES) ANGLE OR RECEIVING CHANNEL

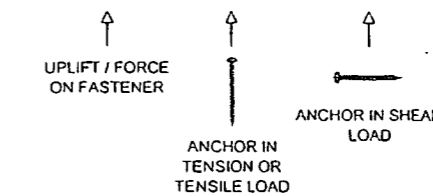
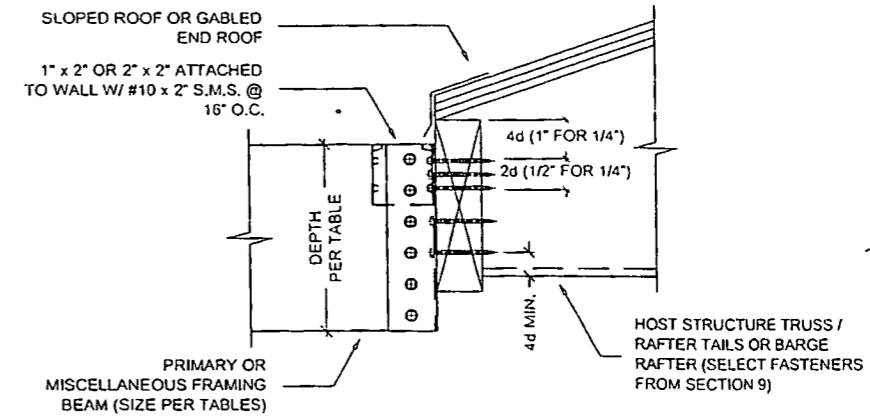


BEAM TO WALL CONNECTION DETAIL

SCALE: 2" = 1'-0"

BEAM TO WALL CONNECTION: (2) 2" x 2" x 0.060" EXTERNALLY MOUNTED ANGLES ATTACHED TO WOOD FRAME WALL W/ MIN. (2) 3/8" x 2" LAG SCREWS PER SIDE OR TO CONCRETE W/ (2) 1/4" x 2-1/4" ANCHORS OR MASONRY WALL ADD (1) ANCHOR PER SIDE FOR EACH INCH OF BEAM DEPTH LARGER THAN 3"

ALTERNATE CONNECTION: (1) 1-3/4" x 1-3/4" x 1-3/4" x 1/8" INTERNAL U-CHANNEL ATTACHED TO WOOD FRAME WALL W/ MIN. (3) 3/8" x 2" LAG SCREWS OR TO CONCRETE OR MASONRY WALL W/ (3) 1/4" x 2-1/4" ANCHORS OR ADD (1) ANCHOR PER SIDE FOR EACH INCH OF BEAM DEPTH LARGER THAN 3"



CALCULATE THE NUMBER OF SCREWS REQUIRED BY SOLVING THE FOLLOWING EQUATION:

$$\left[\frac{\text{ROOF WIND LOAD} \times \text{BEAM SPACING} \times \left(\frac{\text{BEAM SPAN}}{2} \right)}{\text{ANCHOR ALLOWABLE LOAD}} \right] = \# \text{ OF ANCHORS}$$

* FIND ROOF WIND LOAD IN DESIGN SPECIFICATIONS ON PAGE 3

BEAM TO FASCIA CONNECTION DETAIL

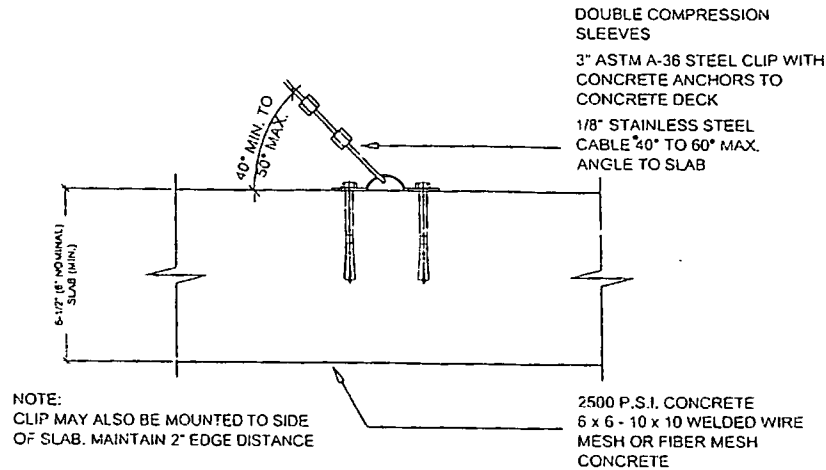
SCALE: 2" = 1'-0"

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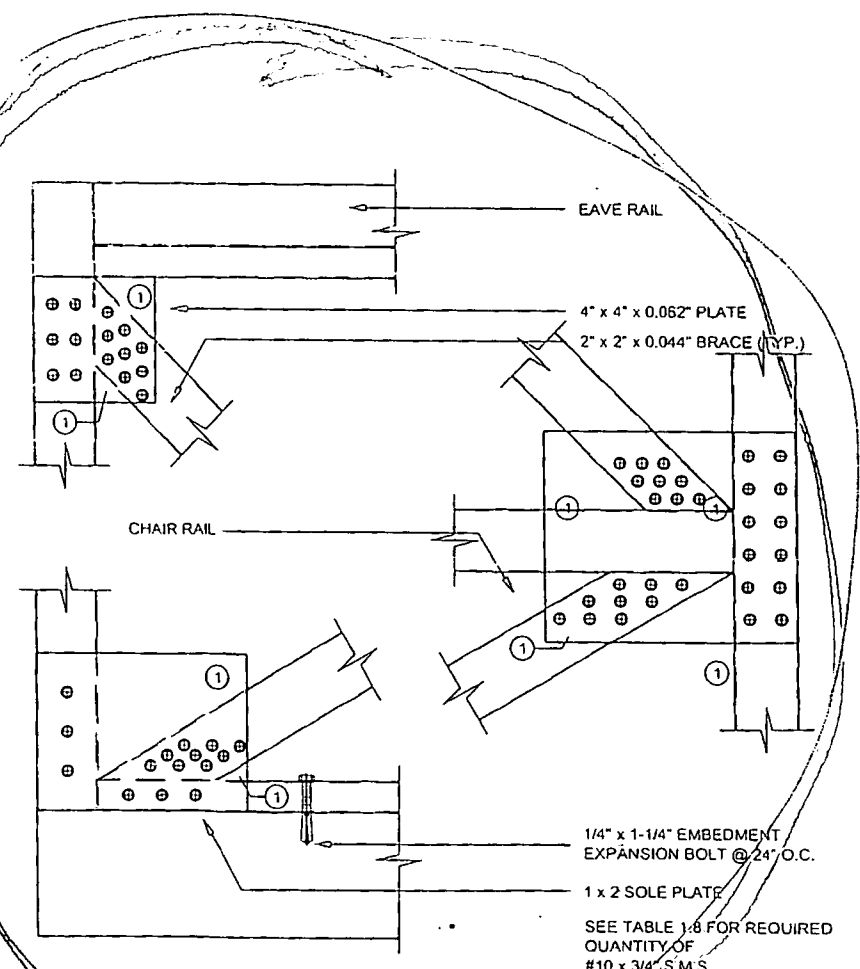
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ALTERNATE CABLE CONNECTIONS AT FOUNDATION - DETAIL 2D
SCALE: 2" = 1'-0"



K-BRACING CONNECTION DETAILS
SCALE: 2" = 1'-0"

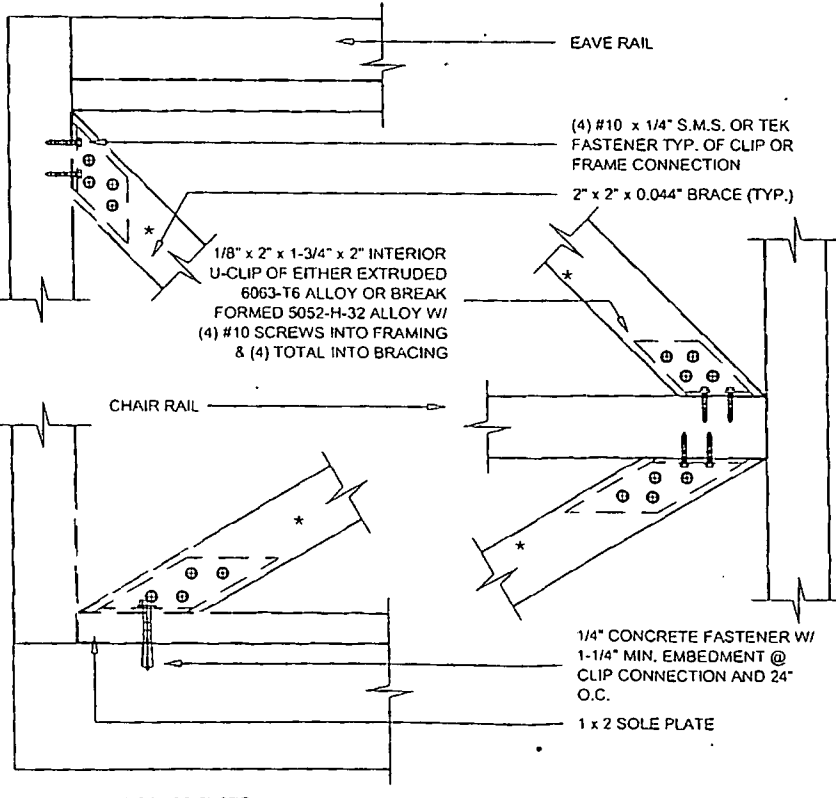
- NOTES:
1. Can trim plate this area.
2. Alternate connections use "H" bar cut to fit connections.

K-BRACING

General Notes and Specifications:

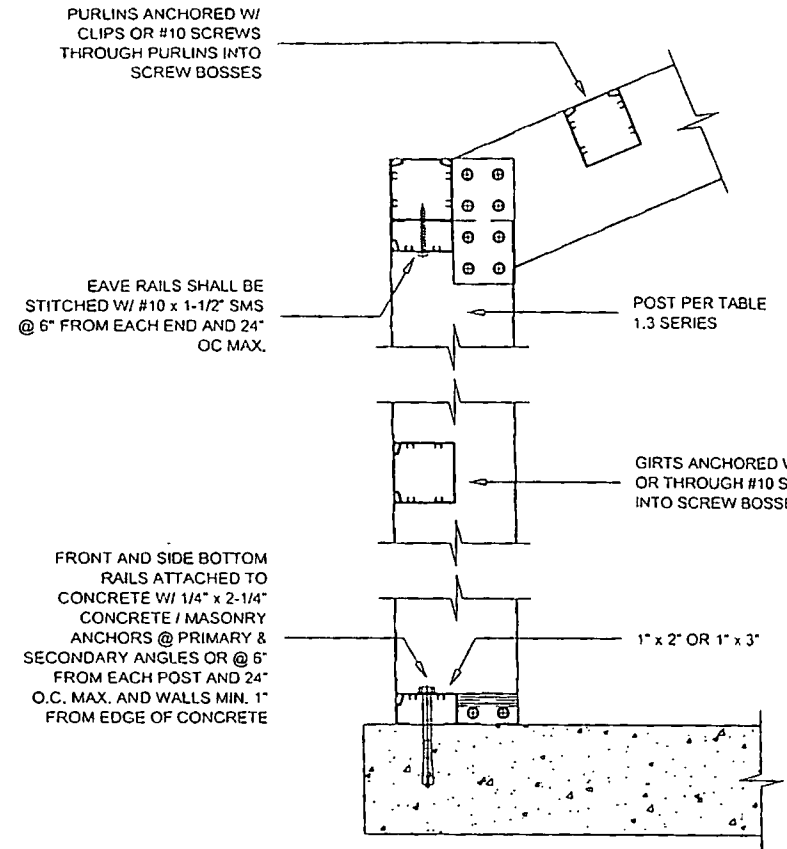
- The following shall apply to the installation of K-BRACING as additional bracing to diagonal wind bracing for pool enclosures:
 - FRONT WALL K-BRACING - ONE SET FOR EACH 800 SF OF TOTAL WALL AREA
TOTAL WALL AREA = 100% OF FRONT WALL + 50% OF ONE SIDE WALL
EXAMPLE: FRONT WALL AREA @ 100% (8' x 32') = 256 Sq. Ft.
SIDE WALL AREA @ 50% (8' x 20') = 80 Sq. Ft.
TOTAL WALL AREA = 336 Sq. Ft.
800 SF > 336 SF THUS ONE SET OF FRONT WALL K-BRACING IS REQUIRED.
 - SIDE WALL K-BRACING - ONE SET FOR 233 SF TO 800 SF OF WALL.
 - To calculate the required pair of k-bracing for free standing pool enclosures use 100% of each wall area & 50% of the area of one adjacent wall.
- NOTES:
- K-bracing shall be used for all wind zones of 120 MPH EXPOSURE "C" and higher.
 - Side walls do not require k-bracing until the side wall area is greater than 233 SF.
 - Standard rounding off rules apply, i.e. if the number of k-bracing sets calculated is less than 1.5 sets use one set of k-braces; if the number of k-braces calculated is 1.5 sets or greater use 2 sets of k-bracing.

SEE PAGE A-2

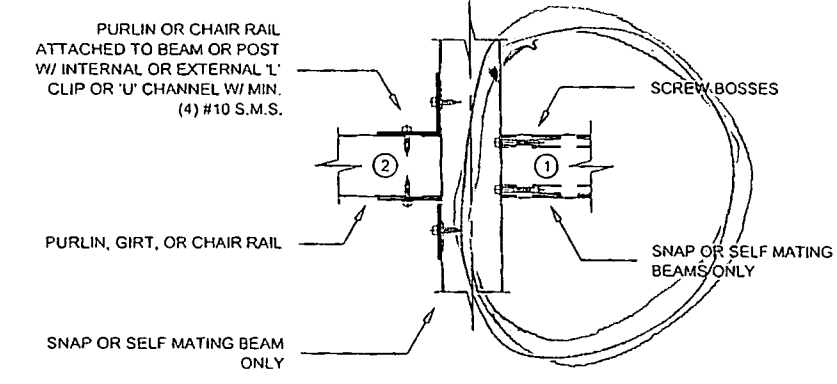


ALTERNATE K-BRACING CONNECTION DETAILS
SCALE: 2" = 1'-0"

- NOTE:
Alternate connections use "H" bar cut to fit connections.



PURLIN & CHAIR RAIL DETAIL
SCALE: 2" = 1'-0"



- FOR WALLS LESS THAN 6'-8" FROM TOP OF PLATE TO CENTER OF BEAM CONNECTION OR BOTTOM OF TOP RAIL THE GIRT IS DECORATIVE AND SCREW HEADS MAY BE REMOVED AND INSTALLED IN PILOT HOLES
 - FOR ALL OTHER PURLINS AND GIRTS IF THE SCREW HEADS ARE REMOVED THEN THE OUTSIDE OF THE CONNECTION MUST BE STRAPPED FROM GIRT TO POST WITH 0.050" x 1-3/4" x 4" STRAP AND (4) #10 x 3/4" S.M.S. SCREWS TO POST AND GIRT
- IF GIRT IS ON BOTH SIDES OF THE POST THEN STRAP SHALL BE 6" LONG AND CENTERED ON THE POST AND HAVE A TOTAL (12) #10 x 3/4" S.M.S.

PURLIN TO BEAM OR GIRT TO POST DETAIL
SCALE: 2" = 1'-0"

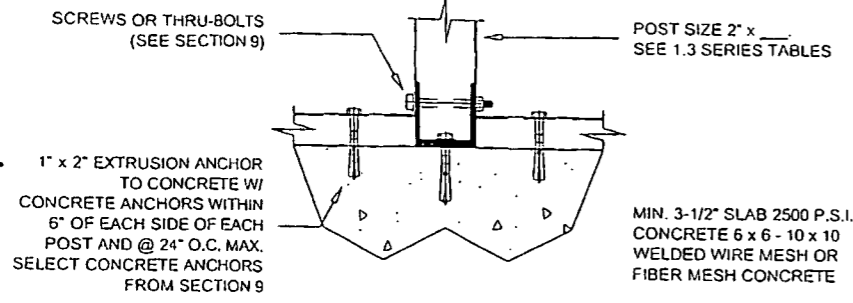
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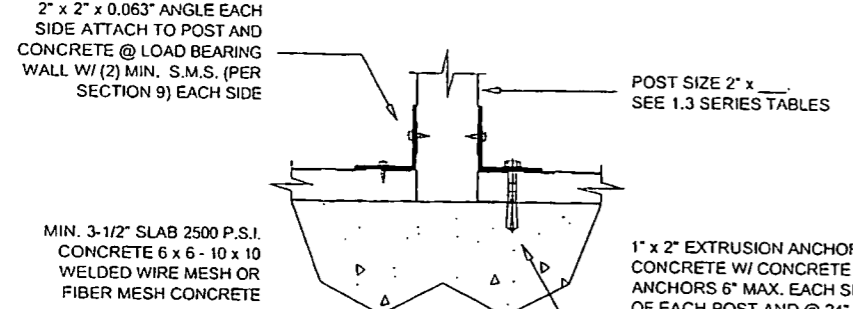
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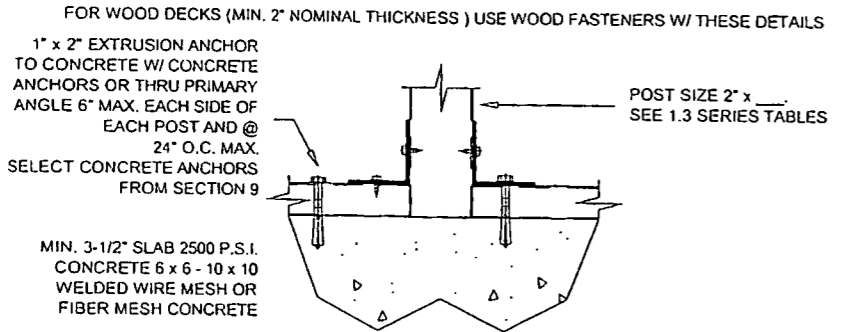
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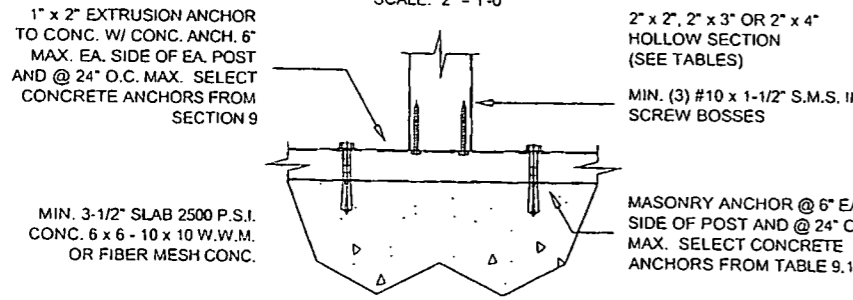
SIDE WALL POST TO PLATE TO CONCRETE DETAIL
SCALE: 2" = 1'-0"



SIDE WALL ALTERNATE POST TO BEAM AND PLATE TO CONCRETE DETAIL
SCALE: 2" = 1'-0"



SIDE WALL POST TO PLATE TO CONCRETE DETAIL
SCALE: 2" = 1'-0"

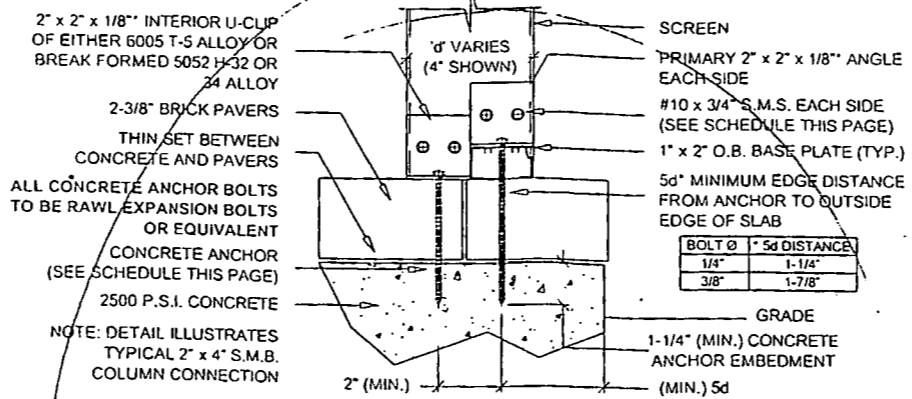


SIDE WALL HOLLOW POST TO BASE DETAIL
SCALE: 2" = 1'-0"

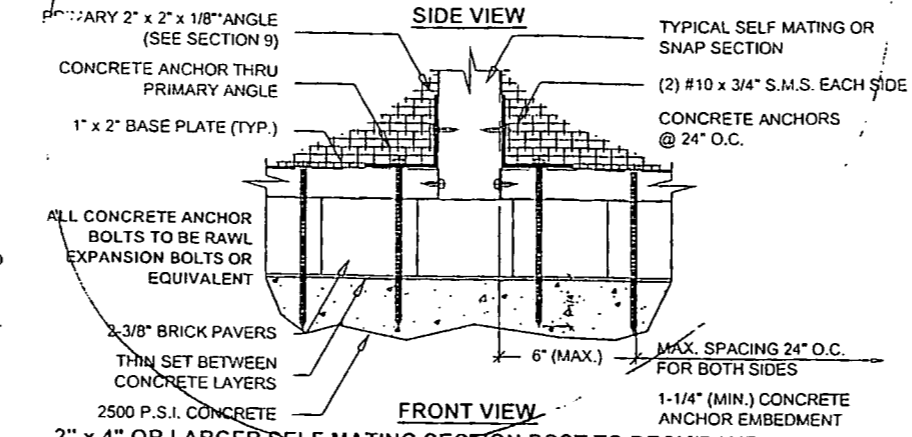
POOL ENCLOSURE UPRIGHT TO DECK ANCHOR REQUIREMENTS

General Notes and Specifications:

- The uplift load on a pool enclosure upright is calculated as 1/2 the beam span x the beam spacing x the screen load of 7# / Sq. Ft.
EXAMPLE:
FOR A 2" x 6" BEAM WITH A SPAN OF 23' AND A BEAM & UPRIGHT SPACING OF 7' USE: 1/2 x 17'-11" x 7' x 10# / Sq. Ft. = 627.2# UPLIFT
- Table 1.6 of this manual uses the worst case loads for all cases.
- In all cases there must be a primary anchor within 6" of each side of the upright.
- For attachment to wood deck (min. 2" nominal thickness) use wood anchors with details shown above (min. 1-3/8" embedment).

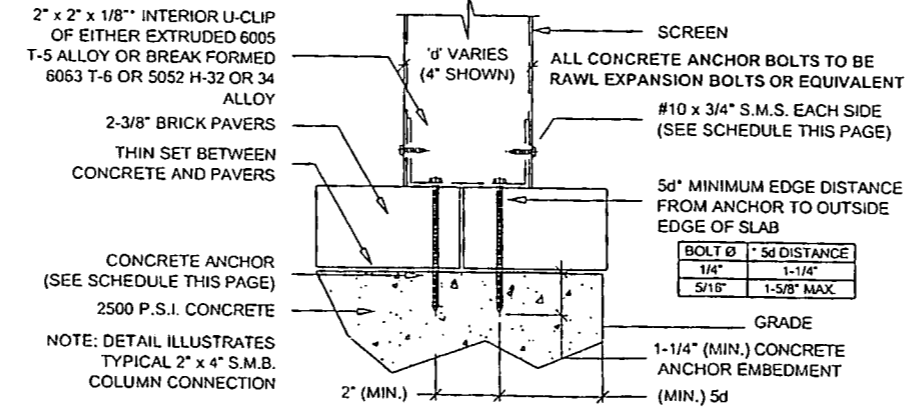


SIDE VIEW

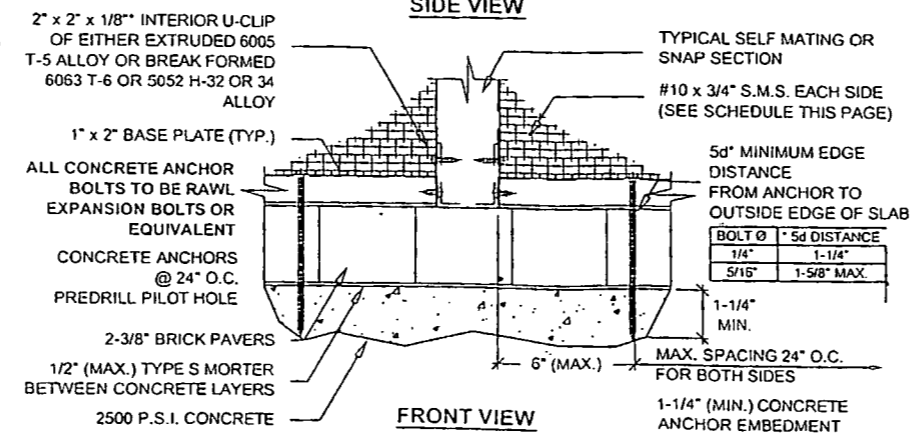


FRONT VIEW

NOTE: FOR SIDE WALLS OF 2" x 4" OR SMALLER ONLY ONE ANGLE IS REQUIRED.



SIDE VIEW

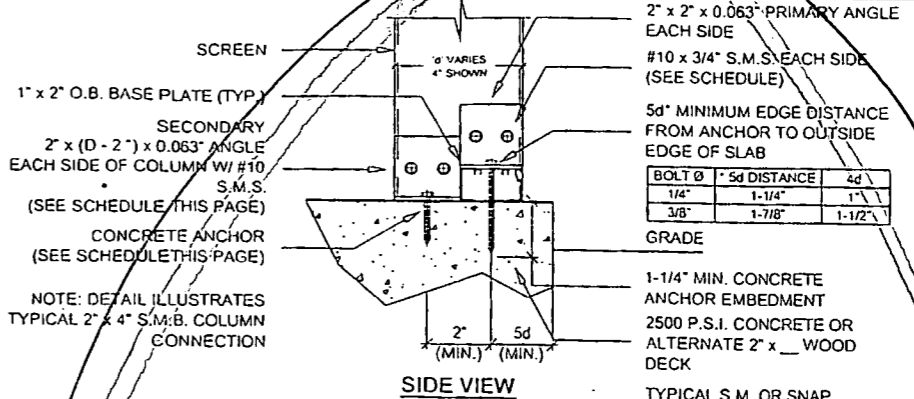


FRONT VIEW

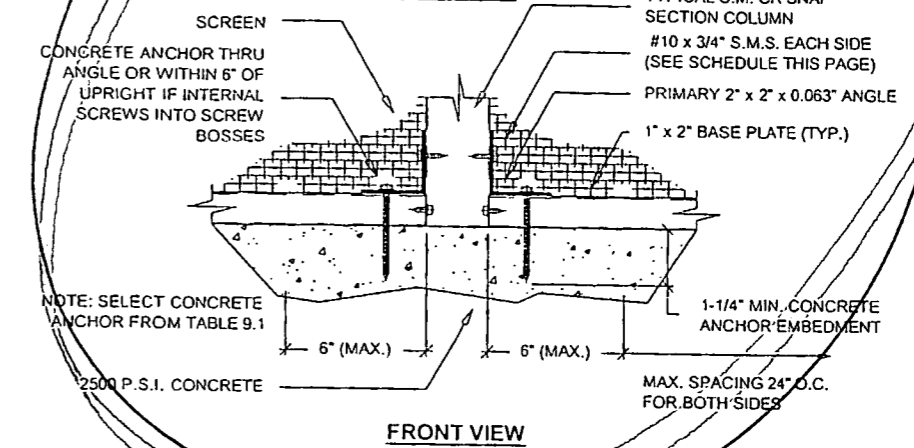
2" x 4" OR LARGER SELF MATING SECTION POST TO DECK/PAVER DETAILS

NOTE:

- FOR SIDE WALLS OF 2" x 4" OR SMALLER ONLY ONE ANGLE IS REQUIRED.
- PREDRILL PAVERS W/ MIN. 1/4" MASONRY BIT.
- FOR UPRIGHTS OF 2" x 9" AND LARGER USE 1/4" ANGLES MIN.



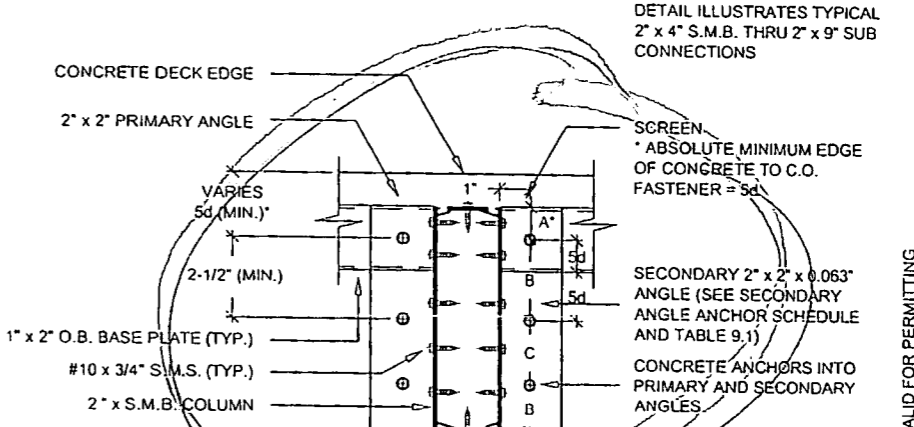
SIDE VIEW



FRONT VIEW

NOTE:

- FOR SIDE WALLS OF 2" x 4" OR SMALLER ONLY ONE ANGLE IS REQUIRED.
- PREDRILL PAVERS W/ MIN. 1/4" MASONRY BIT.



MIN. EDGE DISTANCE & O.C. ANCHOR SPACING

ANCHOR	ALUM.	WOOD	CONC.
1/4"	2-1/2d	4d	5d
5/16"	2-5/8"	1"	1-1/4"
3/8"	3-1/16"	1-1/4"	1-9/16"

Primary and Secondary Anchor Schedule

Column Size	Secondary Angle			Maximum Number and Spacing Anchors											
	Angle	Number of Anchors	Length "L"	1/4"			5/16"			3/8"					
2 x 4	2"	4	4"	"A"	"B"	"C"	"A"	"B"	"C"	"A"	"B"	"C"			
2 x 5	3"	4	4"	1"	1-1/2"	1"	1"	1"	1"	1"	1"	1"			
2 x 6	4"	4	4"	1"	1-1/2"	1"	1"	1"	1"	1"	1"	1"			
2 x 7	5"	6	4"	1"	1-1/2"	1"	1"	1"	1"	1"	1"	1"			
2 x 8	6"	6	4"	1"	1-1/2"	1"	1"	1"	1"	1"	1"	1"			
2 x 9	7"	6	4"	1"	1-1/2"	1"	1"	1"	1"	1"	1"	1"			
2 x 10	8"	8	6"	1"	1-1/2"	1"	1"	1"	1"	1"	1"	1"			

Example:
Calculate the number of anchors required: 1.5 x beam span / 2 x beam spacing x roof wind pressure (PSF) = total #;
if 1.5 x 30' / 2 x 6' x 10 PSF = 1350# and 1/4" x 1/4" Tapcon in tension @ 5d = 427# / ea. (see table 9.1)
then 1350# / 427# / ea. = 3.16 ea. use (3) ea., secondary angle not required
Actual Edge Distance Example:
From edge of concrete to fastener = 2" / dia. of 0.25" = 8d
Note:
For attachment to wood deck substitute wood fasteners for concrete fasteners & calculate the required number of fasteners using tables from Table 9.2

ALUMINUM STRUCTURES DESIGN MANUAL
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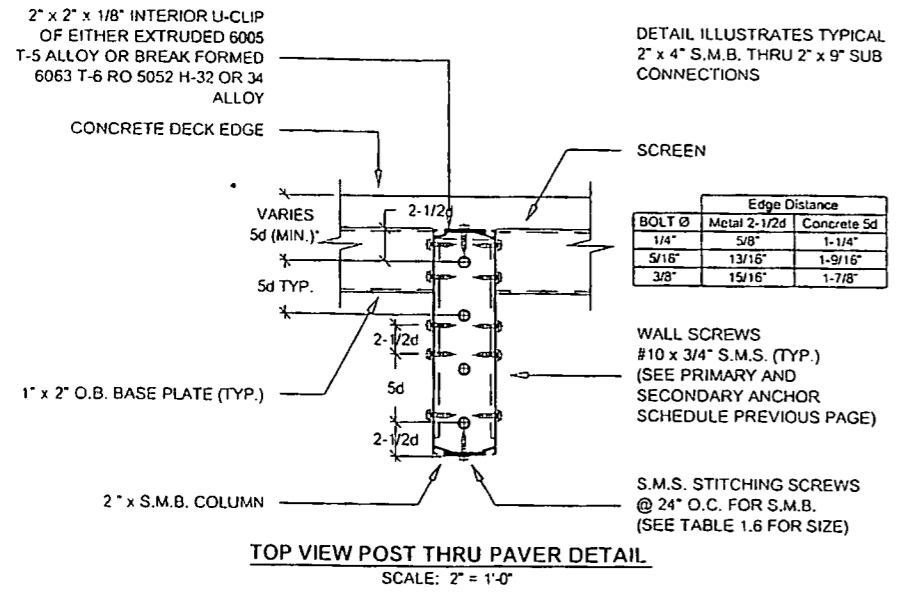
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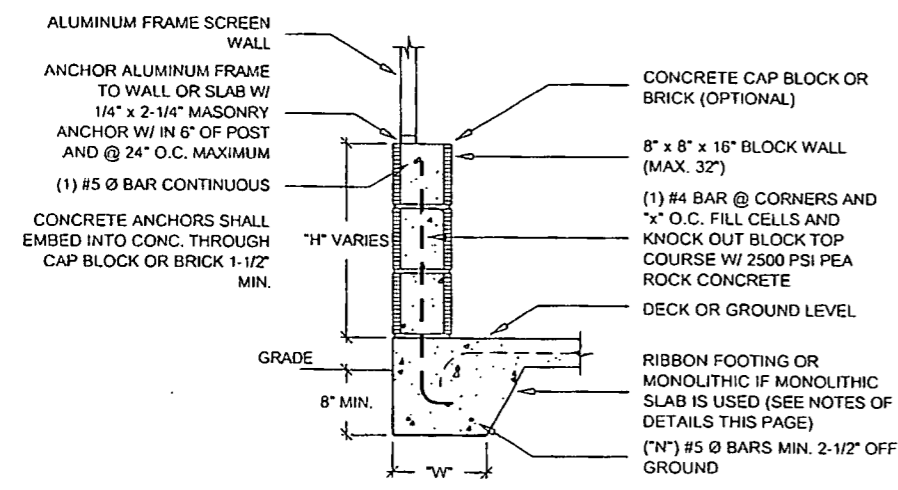
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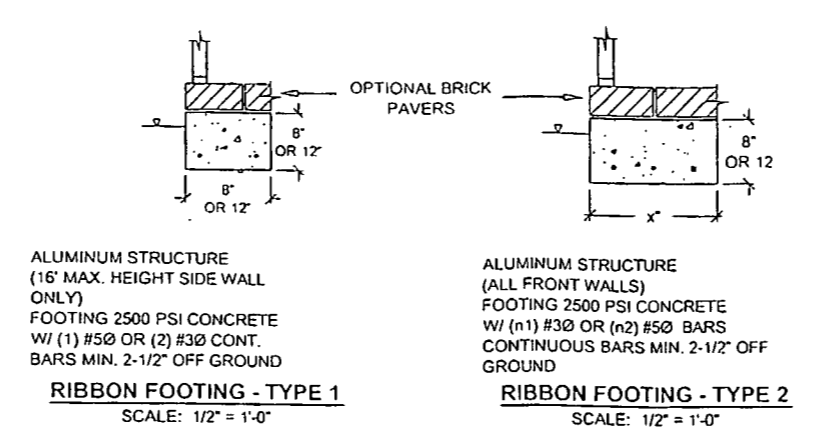
EXAMPLE OF NUMBER OF SCREWS REQUIRED:
 ANCHOR LOAD = BEAM / UPRIGHT SPACING x BEAM SPAN / 2 x 10 PSF * = P
 1. CONCRETE ANCHORS: ANCHORS ARE IN TENSILE OR TENSION LOAD
 P / ALLOWABLE LOAD FROM TABLE 9.1 = TOTAL NUMBER OF ANCHORS
 2. UPRIGHT WALL ANCHORS: ANCHORS ARE IN SHEAR & THROUGH BOLTS ARE IN DOUBLE SHEAR
 P / ALLOWABLE LOAD FROM TABLE 9.4 = TOTAL NUMBER OF ANCHORS
 3. FOR UPRIGHT 2\"/>



Knee Wall Table

H	T	W	#3	N	X
32"	4"	12"	3	2	10'-0"
40"	4"	12"	3	2	8'-0"
48"	8"	18"	N/A	3	6'-0"
56"	8"	18"	N/A	3	4'-0"
64"	12"	24"	N/A	3	2'-8"
72"	12"	30"	N/A	4	1'-8"

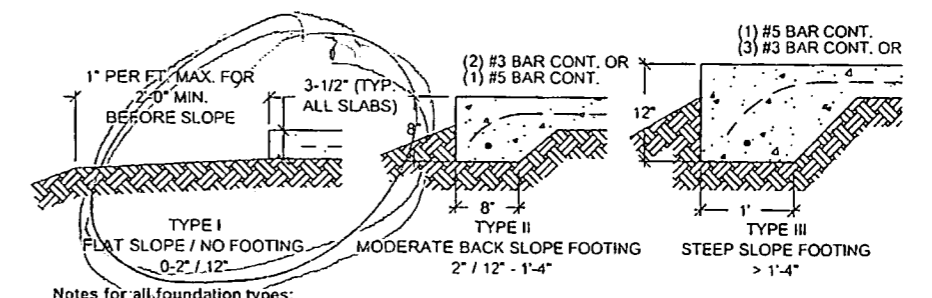
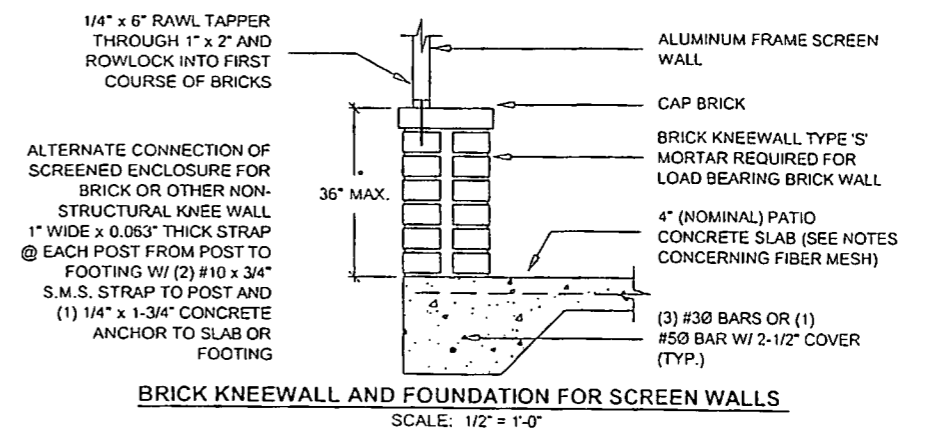
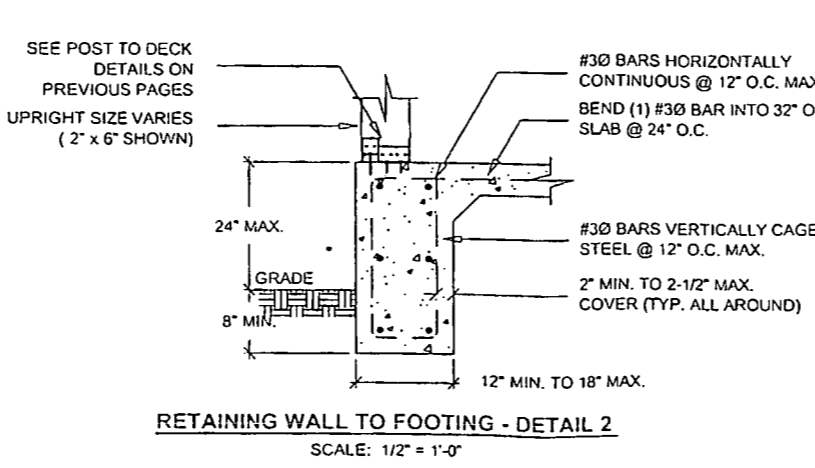
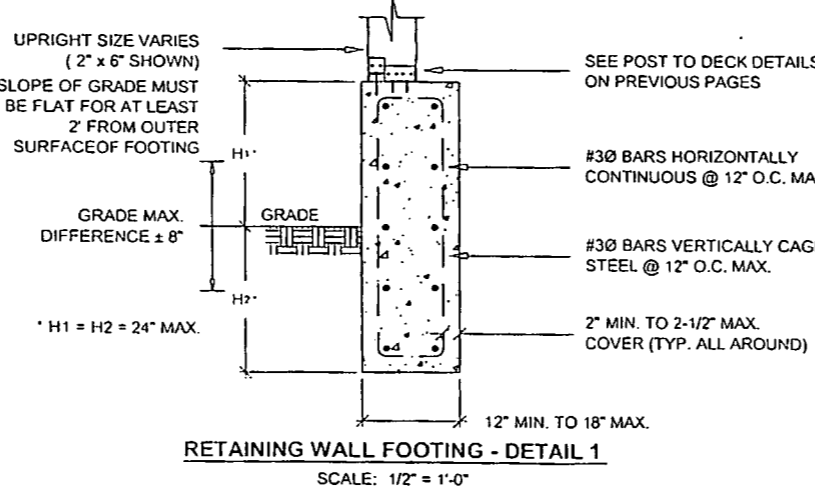
KNEE WALL FOOTING FOR SCREENED ENCLOSURES
 SCALE: 1/2" = 1'-0"



Allowable Beam Span for Wind Zone & Exposure Category

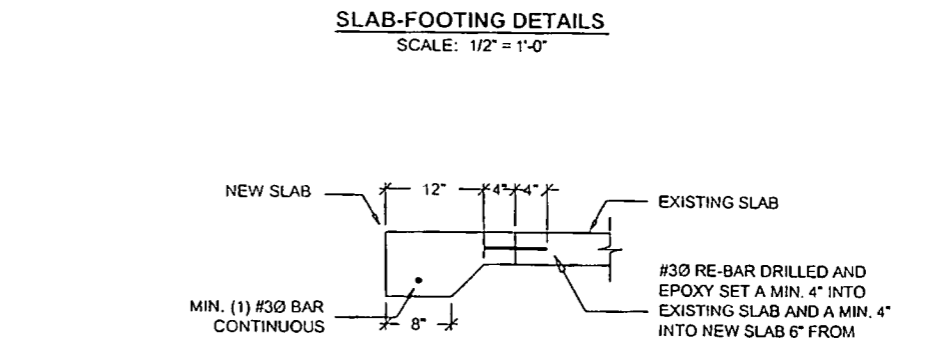
Ribbon Footing Data		100-125 MPH		126-134 MPH		135-144 MPH		145-150 MPH		Area sq. in.		Number of Bars			
Depth	x	n1	n2	B	C	B	C	B	C	Footing	Steel	#3Ø	#5Ø		
8"	8"	2	1	15.4'	12.8'	15.4'	11.0'	12.8'	9.5'	11.0'	8.5'	64	0.12	2	1
12"	8"	2	1	23.0'	19.2'	23.0'	16.5'	19.2'	14.4'	16.5'	12.8'	72	0.13	2	1
8"	12"	2	1	23.0'	19.2'	23.0'	16.5'	19.2'	14.4'	16.5'	12.8'	72	0.13	2	1
12"	12"	3	2	24.0'	20.0'	24.0'	17.1'	17.1'	15.0'	17.1'	13.3'	144	0.26	3	2
12"	16"	3	2	36.0'	26.6'	31.9'	21.9'	25.6'	19.2'	21.9'	17.1'	192	0.39	4	2
12"	18"	3	2	37.9'	30.0'	36.0'	25.7'	30.0'	22.5'	25.7'	20.0'	216	0.39	4	2
12"	24"	4	3	48.0'	40.0'	48.0'	34.3'	40.5'	30.0'	34.3'	26.7'	288	0.52	4	2
12"	30"	4	3	57.6'	48.0'	57.6'	41.1'	48.0'	36.0'	41.1'	32.0'	360	0.65	-	3
12"	36"	5	4	69.1'	57.6'	69.1'	49.4'	57.6'	43.2'	49.4'	38.4'	432	0.78	-	3
Nominal Slab		100-125 MPH		126-134 MPH		135-144 MPH		145-150 MPH							
Depth	x	B	C	B	C	B	C	B	C						
3-1/2"		50.4'	42.0'	50.4'	36.0'	42.0'	31.5'	36.0'	28.0'						

*n1 = number of #3Ø bars @ 0.11 sq. in. grade 60 steel
 **n2 = number of #5Ø bars @ 0.31 sq. in. grade 60 steel



Notes for all foundation types:

- The foundations shown are based on a minimum soil bearing pressure of 1,500 PSF. Bearing capacity of soil shall be verified prior to placing slab by field soil test (soil penetrometer) or a soil testing lab.
- The slab / foundation shall be cleared of debris, roots and compacted prior to placement of concrete.
- No footing is required except when addressing erosion until the slab width in the direction of the primary beams exceeds the span per table on the left, then a type II slab is required under the load bearing wall only unless the side wall exceeds maximum height of tables in which case a type II footing is required.
- Monolithic slabs and footings shall be minimum 2,500 psi concrete with 6 x 6 - 10 x 10 welded wire mesh or crack control fiber mesh; Fibermesh® Mesh, InForce™ e3™ (Formerly Fibermesh MD) per manufacturer's specification may be used in lieu of wire mesh. All slabs / footings shall be allowed to cure for 7 days before installing anchors.
- If local codes require a minimum footing use Type II footing or footing section required by local code. Local codes govern.

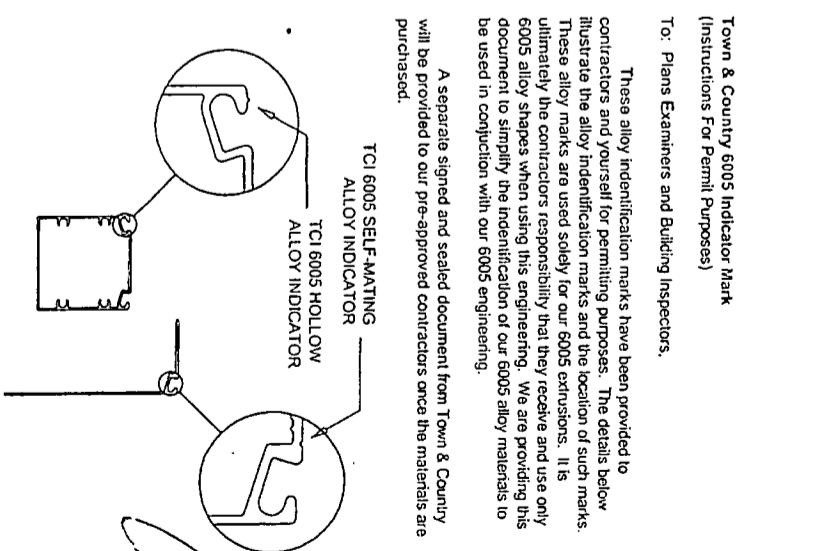
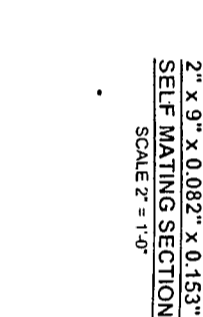
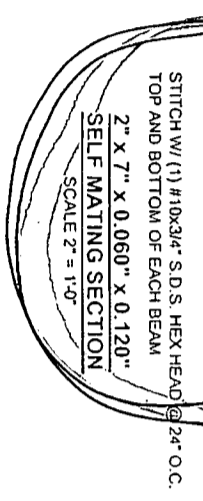
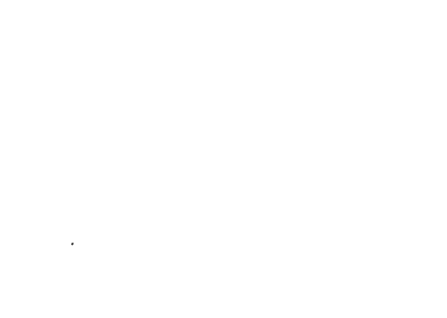
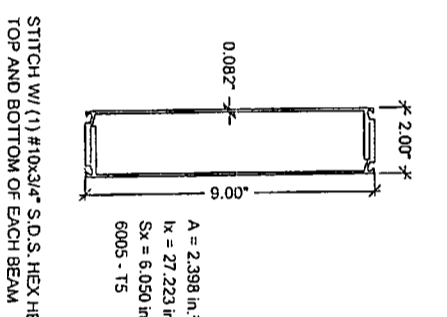
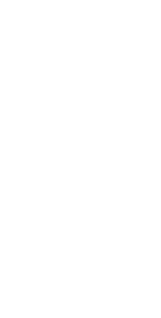
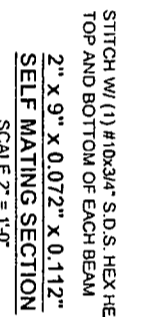
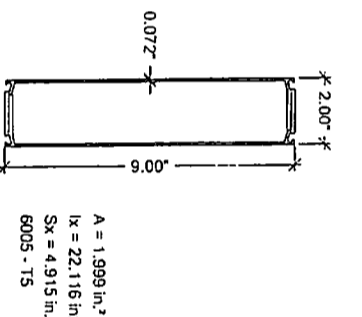
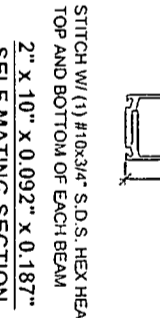
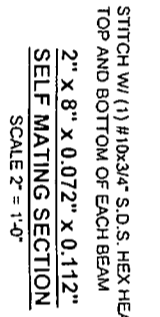
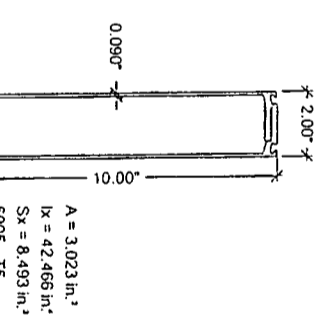
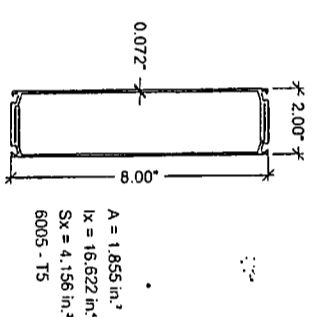
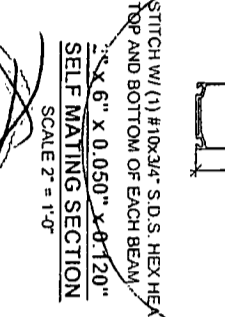
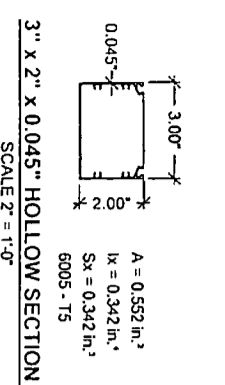
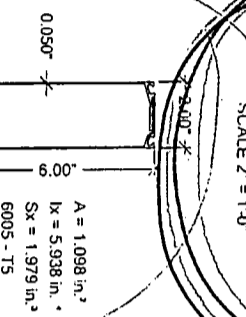
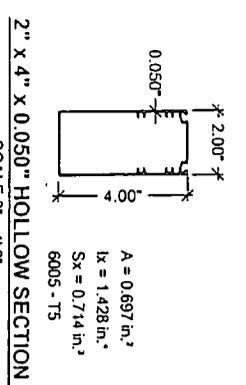
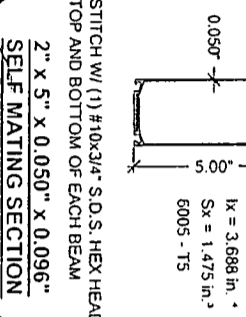
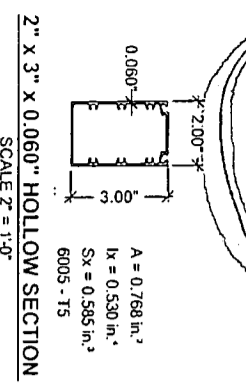
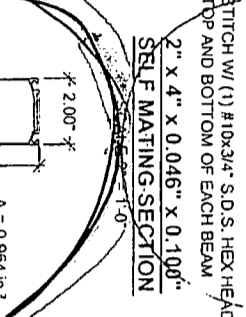
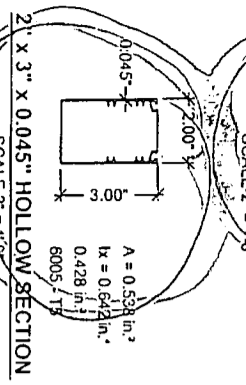
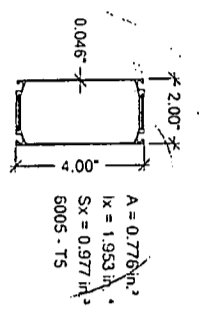
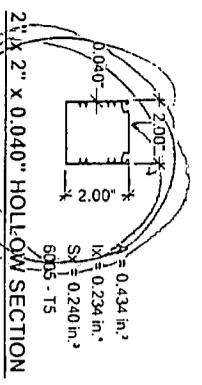


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 SCREEN ENCLOSURES
 SECTION 1 DETAILS
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Town & Country 6005 Indicator Mark
(Instructions For Permit Purposes)

To: Plans Examiners and Building Inspectors.

These alloy identification marks have been provided to contractors and yourself for permitting purposes. The details below illustrate the alloy identification marks and the location of such marks. These alloy marks are used solely for our 6005 extrusions. It is ultimately the contractor's responsibility that they receive and use only 6005 alloy shapes when using this engineering. We are providing this document to simplify the identification of our 6005 alloy materials to be used in conjunction with our 6005 engineering.

A separate signed and sealed document from Town & Country will be provided to our pre-approved contractors once the materials are purchased.

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Table 1.1 140 Allowable Beam Spans
6005 TCI Town & Country Industries, Inc.
Aluminum Alloy 6005 T-5

For 140-1&2 M.P.H. Wind Zone, Exposure "B" and Latitudes Below 30°-30'-00" North (Jacksonville, FL)
Uniform Load = 6 #/SF, a Point Load of 300 #/SF over (1) linear ft. is also considered

Hollow Sections	Tributary Load Width "W" = Beam Spacing								
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"
2" x 2" x 0.044"	5'-9"	5'-9"	5'-9"	5'-9"	5'-9"	5'-9"	5'-9"	5'-9"	5'-9"
3" x 2" x 0.045"	6'-11"	6'-11"	6'-11"	6'-11"	6'-11"	6'-11"	6'-11"	6'-11"	6'-11"
2" x 3" x 0.045"	9'-6"	9'-6"	9'-6"	9'-6"	9'-6"	9'-6"	9'-6"	9'-6"	9'-6"
2" x 3" x 0.060"	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"
2" x 4" x 0.050"	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"
2" x 5" x 0.062"	20'-6"	20'-6"	20'-6"	20'-6"	20'-6"	20'-6"	20'-6"	20'-6"	20'-6"

Self Mating Sections

Hollow Sections	Tributary Load Width "W" = Beam Spacing								
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"
2" x 4" x 0.046" x 0.100"	16'-7"	16'-7"	16'-7"	16'-7"	16'-7"	16'-7"	16'-7"	16'-7"	16'-7"
2" x 5" x 0.050" x 0.096"	22'-9"	21'-10"	20'-3"	19'-1"	18'-1"	17'-2"	16'-11"	15'-11"	15'-11"
2" x 6" x 0.050" x 0.120"	28'-1"	25'-6"	22'-4"	20'-7"	19'-1"	17'-9"	17'-9"	17'-9"	17'-9"
2" x 7" x 0.060" x 0.120"	32'-1"	29'-2"	27'-1"	25'-2"	23'-1"	21'-5"	20'-0"	20'-0"	20'-0"
2" x 8" x 0.072" x 0.224"	39'-8"	36'-0"	33'-5"	31'-5"	29'-11"	28'-7"	27'-6"	27'-6"	27'-6"
2" x 9" x 0.072" x 0.224"	43'-7"	39'-7"	36'-9"	34'-7"	32'-10"	31'-5"	30'-3"	30'-3"	30'-3"
2" x 9" x 0.082" x 0.306"	46'-8"	42'-5"	39'-5"	37'-1"	35'-3"	33'-8"	32'-5"	32'-5"	32'-5"
2" x 10" x 0.092" x 0.374"	54'-2"	49'-3"	45'-8"	42'-11"	40'-10"	39'-8"	37'-7"	37'-7"	37'-7"

- Note:
1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
 2. The structures designed using this section shall be limited to a maximum combined span and upright height of 50' and maximum upright height of 16'. Structures larger than these limits shall have site specific engineering.
 3. Span is measured from center of beam and upright connection to fascia or wall connection.
 4. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
 5. Tables are based on a maximum wall height of 16' including a 4' max. mansard or gable.
 6. Spans may be interpolated.
 7. To convert spans to "C" and "D" exposure categories see exposure multipliers and example on Table 1B Page 3.

Table 1.2 140 Allowable Purlin Spans
6005 TCI Town & Country Industries, Inc.
Aluminum Alloy 6005 T-5

For 140-1&2 M.P.H. Wind Zone, Exposure "B" and Latitudes Below 30°-30'-00" North (Jacksonville, FL)
Uniform Load = 6 #/SF, a Point Load of 300 #/SF over (1) linear ft. is also considered

A. Sections Fastened To Beams With Clips

Hollow Sections	Tributary Load Width "W" = Purlin Spacing								
	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
2" x 2" x 0.044"	5'-9"	5'-9"	5'-9"	5'-9"	5'-9"	5'-9"	5'-9"	5'-9"	5'-9"
3" x 2" x 0.045"	6'-11"	6'-11"	6'-11"	6'-11"	6'-11"	6'-11"	6'-11"	6'-11"	6'-11"
2" x 3" x 0.045"	9'-6"	9'-6"	9'-6"	9'-6"	9'-6"	9'-6"	9'-6"	9'-6"	9'-6"
2" x 3" x 0.060"	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"	11'-1"
2" x 4" x 0.050"	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"
2" x 5" x 0.062"	20'-6"	20'-6"	20'-6"	20'-6"	20'-6"	20'-6"	20'-6"	20'-6"	20'-6"

B. Sections Fastened Through Beam Webs Into Screw Bosses

Hollow Sections	Tributary Load Width "W" = Purlin Spacing								
	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
2" x 2" x 0.044"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"	7'-3"
3" x 2" x 0.045"	9'-2"	9'-2"	9'-2"	9'-2"	9'-2"	9'-2"	9'-2"	9'-2"	9'-2"
2" x 3" x 0.045"	13'-6"	13'-6"	13'-6"	13'-6"	13'-6"	13'-6"	13'-6"	13'-6"	13'-6"
2" x 3" x 0.060"	16'-7"	16'-7"	16'-7"	16'-7"	16'-7"	16'-7"	16'-7"	16'-7"	16'-7"
2" x 4" x 0.050"	21'-2"	20'-6"	18'-11"	17'-8"	16'-6"	15'-6"	14'-4"	14'-4"	14'-4"
2" x 5" x 0.062"	26'-5"	24'-7"	23'-1"	21'-9"	20'-7"	19'-7"	18'-5"	18'-5"	18'-5"

- Note:
1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
 2. Span is measured from center of beam and upright connection to fascia or wall connection.
 3. Tables are based on a maximum wall height of 16' including a 4' max. mansard or gable.
 4. Spans may be interpolated.
 5. 2" x 4" & 2" x 5" Hollow Girts shall be connected w/ an internal or external 1-1/2" x 1-1/2" x 0.044" angle.
 6. To convert spans to "C" and "D" exposure categories see exposure multipliers and example on Table 1B Page 3.
- CHECK TABLE 1.6 FOR MINIMUM PURLIN SIZE FOR BEAMS.

Table 1.3 140 Allowable Post / Upright Heights
6005 TCI Town & Country Industries, Inc.
Aluminum Alloy 6005 T-5

For 3 second wind gust at a velocity of 140-1&2 MPH, Exposure "B" or an applied load of 21 #/sq. ft.

Hollow Sections	Tributary Load Width "W" = Upright Spacing								
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"
2" x 2" x 0.044"	6'-4"	5'-9"	5'-4"	5'-0"	4'-9"	4'-5"	4'-2"	4'-2"	4'-2"
3" x 2" x 0.045"	7'-2"	6'-6"	6'-3"	5'-8"	5'-2"	4'-10"	4'-6"	4'-6"	4'-6"
2" x 3" x 0.045"	8'-10"	8'-0"	7'-7"	6'-11"	6'-5"	6'-0"	5'-8"	5'-8"	5'-8"
2" x 3" x 0.060"	9'-9"	8'-11"	8'-8"	7'-11"	7'-4"	6'-10"	6'-6"	6'-6"	6'-6"
2" x 4" x 0.050"	11'-6"	10'-6"	9'-10"	9'-0"	8'-4"	7'-10"	7'-4"	7'-4"	7'-4"
2" x 5" x 0.062"	14'-9"	13'-5"	12'-1"	10'-11"	10'-2"	9'-5"	8'-10"	8'-10"	8'-10"

Self Mating Sections	Tributary Load Width "W" = Upright Spacing								
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"
2" x 4" x 0.046" x 0.100"	12'-9"	11'-5"	10'-2"	9'-3"	8'-7"	7'-11"	7'-6"	7'-6"	7'-6"
2" x 5" x 0.050" x 0.096"	15'-10"	13'-10"	12'-4"	11'-5"	10'-5"	9'-8"	9'-1"	9'-1"	9'-1"
2" x 6" x 0.050" x 0.120"	17'-9"	15'-4"	13'-8"	12'-0"	11'-0"	10'-9"	10'-1"	10'-1"	10'-1"
2" x 7" x 0.057" x 0.135"	19'-11"	17'-2"	15'-4"	13'-11"	12'-11"	12'-11"	11'-4"	11'-4"	11'-4"
2" x 8" x 0.072" x 0.224"	26'-1"	23'-9"	21'-11"	19'-11"	18'-6"	17'-3"	16'-3"	16'-3"	16'-3"
2" x 9" x 0.072" x 0.224"	28'-8"	26'-1"	23'-4"	21'-3"	19'-8"	18'-4"	17'-3"	17'-3"	17'-3"
2" x 9" x 0.082" x 0.206"	30'-9"	27'-11"	25'-11"	24'-2"	22'-4"	20'-11"	19'-8"	19'-8"	19'-8"
2" x 10" x 0.092" x 0.374"	35'-8"	32'-5"	30'-1"	28'-4"	26'-9"	25'-1"	23'-7"	23'-7"	23'-7"

- Note:
1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
 2. Using screen panel width "W" select girt lengths.
 3. Above heights do not include length of knee brace. Add vertical distance from upright to center of brace to beam connection to the above spans for total beam spans.
 4. Site specific engineering required for pool enclosures over 30' in mean roof height.
 5. Height is to be measured from center of beam and upright connection to fascia or wall connection.
 6. Chair rails of 2" x 2" x 0.044" min. and set @ 36" in height are designed to be residential guardrails provided they are attached with min. (3) #10 x 1-1/2" S.M.S. into the screw bosses and do not exceed 8'-0" in span.
 7. Max. beam size for 2" x 5" is 2" x 7" x 0.055" x 0.120"
 8. Spans may be interpolated.
 9. To convert spans to "C" and "D" exposure categories see exposure multipliers and example on Table 1B Page 3.

Table 1.4 140 Allowable Post / Girt / Chair Rail / Header Spans & Upright Heights
6005 TCI Town & Country Industries, Inc.
Aluminum Alloy 6005 T-5

For 3 second wind gust at a velocity of 140-1&2 MPH, Exposure "B" or an applied load of 21 #/sq. ft.

A. Sections As Horizontal Fastened To Posts With Clips

Hollow Sections	Tributary Load Width "W" = Member Spacing								
	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
2" x 2" x 0.044"	6'-0"	5'-9"	5'-5"	5'-4"	5'-2"	4'-11"	4'-8"	4'-8"	4'-8"
3" x 2" x 0.045"	6'-10"	6'-6"	6'-2"	5'-8"	5'-5"	5'-2"	4'-10"	4'-10"	4'-10"
2" x 3" x 0.045"	8'-5"	8'-0"	7'-6"	7'-5"	7'-1"	6'-8"	6'-3"	6'-3"	6'-3"
2" x 3" x 0.060"	9'-4"	8'-11"	8'-2"	8'-8"	8'-3"	7'-11"	7'-6"	7'-6"	7'-6"
2" x 4" x 0.050"	10'-11"	10'-6"	10'-2"	9'-5"	8'-10"	8'-3"	7'-8"	7'-8"	7'-8"
2" x 5" x 0.062"	14'-0"	13'-2"	12'-4"	11'-7"	11'-0"	10'-6"	9'-10"	9'-10"	9'-10"

B. Sections As Horizontal Fastened To Posts Through Side Into Screw Bosses

Hollow Sections	Tributary Load Width "W" = Member Spacing								
	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
2" x 2" x 0.044"	6'-8"	6'-3"	5'-11"	5'-7"	5'-3"	4'-11"	4'-8"	4'-8"	4'-8"
3" x 2" x 0.045"	7'-1"	6'-7"	6'-2"	5'-9"	5'-5"	5'-2"	4'-10"	4'-10"	4'-10"
2" x 3" x 0.045"	9'-1"	8'-6"	8'-0"	7'-5"	7'-1"	6'-8"	6'-3"	6'-3"	6'-3"
2" x 3" x 0.060"	10'-5"	9'-6"	9'-0"	8'-4"	8'-3"	7'-11"	7'-6"	7'-6"	7'-6"
2" x 4" x 0.050"	11'-10"	10'-11"	10'-2"	9'-5"	8'-10"	8'-3"	7'-8"	7'-8"	7'-8"
2" x 5" x 0.062"	14'-2"	13'-2"	12'-4"	11'-7"	11'-0"	10'-6"	9'-10"	9'-10"	9'-10"

- Note:
1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
 2. Using screen panel width "W" select girt lengths.
 3. Site specific engineering required for pool enclosures over 30' in mean roof height.
 4. Span/height is to be measured from center of beam and upright connection to fascia or wall connection.
 5. Chair rails of 2" x 2" x 0.044" min. and set @ 36" in height are designed to be residential guardrails provided they are attached with min. (3) #10 x 1-1/2" S.M.S. into the screw bosses and do not exceed 8'-0" in span.
 6. Girt spacing shall not exceed 6'-8".
 7. Max. beam size for 2" x 5" is 2" x 7" x 0.055" x 0.120"
 8. 2" x 4" & 2" x 5" hollow girts shall be connected w/ an internal or external 1-1/2" x 1-1/2" x 0.044" angle.
 9. Spans/heights may be interpolated.
 10. To convert spans to "C" and "D" exposure categories see exposure multipliers and example on Table 1B Page 3.

CHAIRRAIL TRIBUTARY 4'-8"
TABLE VALUE IS 7'-5"
MAX CHAIRRAIL SPAN 6'-0"

Table 1.5.2 140 T Town & Country Industries, Inc.
Allowable Spans for Miscellaneous Framing Beams as Supporting Screen Roof Frame Members
One End of Beam Attached to Host Structure

For Areas with Wind Loads up to 140 M.P.H., Exposure "B" and Latitudes Below 30°-30'-00" North (Jacksonville, FL)
Uniform Load = 6 #/SF, a Point Load of 300 #/SF over (1) linear ft. is also considered

Single Self-Mating Beams	Tributary Load Width											
	10'-0"	14'-0"	18'-0"	22'-0"	26'-0"	30'-0"	34'-0"	38'-0"	42'-0"	46'-0"	50'-0"	54'-0"
2" x 4" x 0.046" x 0.100"	12'-11"	11'-3"	9'-11"	9'-0"	8'-3"	7'-8"	7'-3"	6'-10"	6'-6"	6'-3"	5'-11"	5'-9"
2" x 5" x 0.050" x 0.116"	15'-9"	13'-7"	12'-0"	10'-10"	9'-11"	9'-4"	8'-9"	8'-3"	7'-10"	7'-6"	7'-2"	6'-11"
2" x 6" x 0.050" x 0.120"	17'-8"	14'-11"	13'-2"	11'-11"	10'-11"	10'-2"	9'-7"	9'-1"	8'-7"	8'-3"	7'-11"	7'-7"
2" x 7" x 0.055" x 0.120"	19'-2"	16'-3"	14'-4"	12'-11"	11'-11"	11'-1"	10'-5"	9'-10"	9'-4"	8'-11"	8'-7"	8'-3"
2" x 8" x 0.070" x 0.224"	25'-4"	23'-2"	20'-5"	18'-5"	16'-11"	15'-10"	14'-10"	14'-0"	13'-4"	12'-9"	12'-3"	11'-9"
2" x 9" x 0.070" x 0.204"	27'-3"	23'-10"	21'-0"	19'-0"	17'-6"	16'-3"	15'-4"	14'-6"	13'-9"	13'-2"	12'-7"	12'-2"
2" x 9" x 0.082" x 0.326"	29'-3"	29'-2"	25'-9"	23'-4"	21'-5"	19'-11"	18'-9"	17'-9"	16'-10"	16'-1"	15'-5"	14'-10"
2" x 10" x 0.090" x 0.374"	34'-2"	34'-2"	31'-0"	28'-1"	25'-10"	24'-0"	22'-7"	21'-4"	20'-4"	19'-5"	18'-7"	17'-11"

- Note:
1. It is recommended that the engineer be consulted on any carrier beam that spans more than 50'
 2. Span is measured from center of connection to fascia or wall connection.
 3. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
 4. Spans may be interpolated.
 5. To convert spans to "C" and "D" exposure categories see exposure multipliers and example on Table 1B Page 3.

PURLIN TRIBUTARY WIDTH IS 6'-0"
TABLE VALUE IS 11'-11"
MAX SPAN IS 6'-6"
SIDE WALL POSTS ARE 6'-0" APART
TABLE VALUE IS 11'-3"
POSTS ARE 9'-8" TALL

Table 1.5.1 140 Town & Country Industries, Inc.
Allowable Spans for Miscellaneous Framing Beams as Supporting Screen Roof Frame Members
Aluminum Alloy 6005 T-5

For Areas with Wind Loads up to 140-1&2 M.P.H., Exposure "B" and Latitudes Below 30°-30'-00" North (Jacksonville, FL)
Uniform Load = 6 #/SF, a Point Load of 300 #/SF over (1) linear ft. is also considered

Single Self-Mating Beams	Tributary Load Width											
	10'-0"	14'-0"	18'-0"	22'-0"	26'-0"	30'-0"	34'-0"	38'-0"	42'-0"	46'-0"	50'-0"	54'-0"
2" x 4" x 0.046" x 0.100"	13'-8"	11'-7"	10'-2"	9'-3"	8'-6"	7'-11"	7'-5"	7'-0"	6'-8"	6'-4"	6'-1"	5'-11"
2" x 5" x 0.050" x 0.099"	17'-5"	14'-9"	12'-11"	11'-9"	10'-10"	10'-1"	9'-5"	8'-11"	8'-6"	8'-1"	7'-9"	7'-6"
2" x 6" x 0.050" x 0.120"	19'-10"	16'-9"	14'-9"	13'-4"	12'-3"	11'-5"	10'-9"	10'-2"	9'-8"	9'-3"	8'-10"	8'-6"
2" x 7" x 0.060" x 0.120"												

Table 1.6

Minimum Upright Sizes and Number of Screws for Connection of Roof Beams To Wall Uprights or Beam Splicing
 *Upright, purlins, and girts in this table are based on minimum size requirements for the beams.
 Tables 1.3 and 1.4 must be checked to verify member spans.

Beam Size	Minimum Upright / Column Size	Minimum Purlin Size	Minimum Girt & Knee Brace Size	Minimum Number of Screws Each Side	Beam Splicing Screws & Spacing
2" x 3" x 0.045" Hollow	2" x 3" x 0.045" Hollow	2" x 2" x 0.044" Hollow	2" x 2" x 0.044" Hollow	8	6
2" x 4" x 0.050" Hollow	2" x 3" x 0.045" Hollow	2" x 2" x 0.044" Hollow	2" x 2" x 0.044" Hollow	8	6
2" x 5" x 0.052" Hollow	2" x 3" x 0.045" Hollow	2" x 2" x 0.044" Hollow	2" x 2" x 0.044" Hollow	8	6
2" x 4" x 0.046" x 0.100" SMB	2" x 3" x 0.045" Hollow	2" x 2" x 0.044" Hollow	2" x 2" x 0.044" Hollow	8	6
2" x 5" x 0.050" x 0.116" SMB	2" x 3" x 0.045" Hollow	2" x 2" x 0.044" Hollow	2" x 2" x 0.044" Hollow	8	6
2" x 6" x 0.050" x 0.120" SMB	2" x 3" x 0.045" Hollow	2" x 2" x 0.044" Hollow	2" x 2" x 0.044" Hollow	10	8
2" x 7" x 0.055" x 0.120" SMB	2" x 4" Hollow or SMB	2" x 3" x 0.045" Hollow	2" x 2" x 0.044" Hollow	14	12
2" x 8" x 0.072" x 0.224" SMB	2" x 5" Hollow or SMB	2" x 3" x 0.045" Hollow	2" x 2" x 0.044" Hollow	16	14
2" x 9" x 0.072" x 0.224" SMB	2" x 6" x 0.050" x 0.120" SMB	2" x 3" x 0.045" Hollow	2" x 3" x 0.045" Hollow	18	16
2" x 9" x 0.082" x 0.306" SMB	2" x 7" x 0.055" x 0.120" SMB	2" x 4" x 0.050" Hollow or SMB	2" x 3" x 0.045" Hollow	20	18
2" x 10" x 0.092" x 0.374" SMB	2" x 8" x 0.072" x 0.224" SMB	2" x 5" x 0.060" Hollow or SMB	2" x 4" x 0.050" Hollow or SMB	20	18

Screw Size	Minimum Distance and Spacing of Screws	
	Edge To Center	Center To Center
#8	5/16"	5/8"
#10	3/8"	3/4"
#12	1/2"	1"
#14 or #14"	3/4"	1-1/2"
5/16"	7/8"	1-3/4"
3/8"	1"	2"

Beam Size	Gusset Plate Thickness
2" x 7" x 0.055" x 0.120" SMB	0.063"
2" x 8" x 0.072" x 0.224" SMB	0.125"
2" x 9" x 0.072" x 0.224" SMB	0.125"
2" x 9" x 0.082" x 0.306" SMB	0.190"
2" x 10" x 0.092" x 0.374" SMB	0.250"

Connection Example:

2" x 7" Beam & 2" x 4" upright & gusset plate, (14) #8 x 1/2" sms & upright & gusset plate (14) #8 x 1/2" sms ea. side of beam & upright.

Note:

- All connections shall use a full lap cut or 1/16" interior gusset plate with # of fasteners per table.
- For beam splice connections the number of screws shown is the total for each splice with 1/2 the screws on each side of the cut.
- The number of deck anchors is based on RAWL R Tapper allowable load data for 2,500 psi concrete and / or equal anchors may be used. The number shown is the total use 1/2 per side.
- Hollow splice connections can be made provided the connection is approved by the engineer.
- If a larger than minimum upright is used the number of screws is the same for each splice with 1/2 the screws on each side of the cut.
- The side wall upright shall have a minimum beam size as shown above, i.e., a 2" x 4" upright shall have a 2" x 3" beam.
- For minimum girt size read upright size as a beam and purlin size is minimum girt size. (i.e. 2" x 9" x 0.072" x 0.219" s.m.b. w/ 2" x 6" x 0.050" x 0.135" s.m.b. upright requires a 2" x 3" x 0.045" girt / chair rail.)

Table 1.7 Minimum Size Screen Enclosure Knee Braces and Anchoring Required Aluminum 6005 T-5

Brace Length*	Extrusion	Anchoring System
0' - 2'-0"	2" x 2" x 0.044"	2" H-Channel With (3) #10 x 1/2" each leg of channel
To 3'-0"	2" x 3" x 0.045"	2" H-Channel With (3) #10 x 1/2" each leg of channel
Up to 6'-0"	2" x 4" x 0.046" x 0.100"	2" H-Channel With (4) #10 x 1/2" each leg of channel

*Knee brace length shall be the horizontal and vertical length @ a 45° angle from the center of the connection to the face of the beam or upright.

Note:

- For required knee braces greater than 4'-6" contact engineer for specifications and details.
- Cantilever beam detail shown on page 1-40 shall be used for transom wall to host structure attachment when knee brace length exceeds 6'-0".

Table 1.8 K-Bracing Fastening Schedule

Maximum Wall Width =	Number of #10 x 3/4" S.M.S. Required				
	Corner Post @ Top	Diagonals (K) per End	Intermediate Post @ Chair Rail	Corner Post @ Bottom	Plate to Solo Plate
20'-0"	2	2	4	2	2
30'-0"	2	2	4	2	2
40'-0"	3	4	6	2	2
50'-0"	4	5	8	3	3
60'-0"	6	7	12	3	3

*Use screw sizes specified in the table below.

Use front wall width when determining number of s.m.s. for the side wall K-bracing.

Use side wall width when determining number of s.m.s. for the front and / or back wall K-bracing.

Wind Zone	Screw Size
90 MPH	#10
100 MPH	#10
110 MPH	#10
120 MPH	#10
130 MPH	#12
140-142 MPH	#14
150 MPH	#14

Table 1.11 Maximum Overhang for Rafter / Truss Tails when Connected to Screen Roof

Wind Zone ("B" Exp.)	Wind Pressure (#/SF)	Rafter / Truss Tail #2 Span / bending (b) or deflection (d)				
		2x4	2x6	2x8	2x10	2x12
100-110	4	2'-2"	b 5'-4"	b 9'-3"	b 15'-0"	b 22'-3"
120	4	2'-2"	b 5'-4"	b 9'-3"	b 15'-0"	b 22'-3"
123	4.3	2'-0"	b 4'-11"	b 8'-7"	b 13'-11"	b 20'-8"
130	5	1'-9"	b 3'-7"	b 7'-5"	b 12'-0"	b 17'-10"
140	6	1'-5"	b 3'-0"	b 6'-2"	b 10'-0"	b 14'-10"
150	7	1'-3"	b 2'-0"	b 5'-3"	b 8'-7"	b 12'-9"

Note:

- For overhangs with spans that exceed those listed above site specific engineering is required. If truss bottom cord extends more than 24" over the wall site specific engineering is required.
- To convert from exposure "B" spans to "C" or "D" exposure spans see multipliers and example Table 1B on page 3.

Example:
 For a pool enclosure with 30' max. beam span, in a 123 MPH wind zone, "B" exposure. For 2 x 6 rafter / truss the max overhang from the wall of the host structure to the sub-fascia is 3'-4".

Handwritten notes:
 ROOF SPAN IS 24' 6"
 TABLE VALUE IS 35"
 MAX OVERHANG IS 3' 2"

LATITUDES NORTH 30 - 30' - 00" NORTH (JACKSONVILLE, FL)

Table 1.9.1 Allowable Beam Spans Town & Country Industries, Inc. Aluminum Alloy 6005 T-5
 For Areas In Wind Zones up to 130 M.P.H., Exposure "B" and Latitudes North of 30°-30'-00" North (Jacksonville, FL)
 Uniform Load = 15 #/SF, a Point Load of 300 #/SF over (1) linear ft. is also considered

Hollow Sections	Tributary Load Width "W" = Beam Spacing							
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"
2" x 2" x 0.040"	5'-6"	Pb 5'-6"	Pb 5'-6"	Pb 5'-6"	Pb 5'-5"	Pb 5'-2"	Pb 4'-11"	Ub 4'-7"
2" x 2" x 0.045"	6'-6"	Pb 6'-3"	Pb 6'-0"	Pb 5'-9"	Pb 5'-7"	Pb 5'-2"	Ub 4'-9"	Ub 4'-9"
2" x 3" x 0.045"	9'-4"	Ub 8'-11"	Ub 8'-4"	Ub 7'-10"	Ub 7'-4"	Ub 6'-8"	Ub 6'-2"	Ub 6'-2"
2" x 3" x 0.060"	10'-5"	Ub 9'-11"	Ub 9'-3"	Ub 8'-8"	Ub 8'-3"	Ub 7'-11"	Ub 7'-7"	Ub 7'-7"
2" x 4" x 0.050"	12'-3"	Ub 11'-8"	Ub 10'-10"	Ub 10'-3"	Ub 9'-5"	Ub 8'-8"	Ub 7'-11"	Ub 7'-11"
2" x 5" x 0.062"	15'-8"	Ub 14'-11"	Ub 13'-10"	Ub 12'-6"	Ub 11'-5"	Ub 10'-7"	Ub 9'-10"	Ub 9'-10"

Note:

- Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
- The structures Uniformed using this section shall be limited to a maximum combined span and upright height of 50' and a maximum upright height of 16'. Structures larger than these limits shall have site specific engineering.
- Span is measured from center of beam and upright connection to fascia or wall connection.
- Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
- Tables are based on a maximum wall height of 16' including a 4' max. mansard or gable.
- Spans may be interpolated.
- To convert spans to "C" and "D" exposure categories see exposure multipliers and example on Table 1B Page 3. Example: Max. 'L' for 2" x 4" x 0.050" hollow section with "W" = 5'-0" = 10'-10"

Table 1.9.2 Allowable Purlin Spans Town & Country Industries, Inc. Aluminum Alloy 6005 T-5

For Areas In Wind Zones up to 130 M.P.H., Exp. "B" and Latitudes North of 30°-30'-00" North (Jacksonville, FL)
 Uniform Load = 15 #/SF, a Point Load of 300 #/SF over (1) linear ft. is also considered

Hollow Sections	Tributary Load Width "W" = Purlin Spacing							
	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-8"	7'-0"
2" x 2" x 0.044"	5'-6"	Pb 5'-6"	Pb 5'-6"	Pb 5'-5"	Pb 5'-2"	Pb 4'-11"	Pb 4'-9"	Pb 4'-9"
2" x 2" x 0.045"	6'-6"	Pb 6'-3"	Pb 6'-0"	Pb 5'-9"	Pb 5'-7"	Pb 5'-4"	Pb 5'-1"	Pb 5'-1"
2" x 3" x 0.045"	9'-4"	Ub 8'-11"	Ub 8'-7"	Ub 8'-4"	Ub 8'-1"	Ub 7'-9"	Ub 7'-2"	Ub 7'-2"
2" x 3" x 0.060"	10'-5"	Ub 9'-11"	Ub 9'-7"	Ub 9'-3"	Ub 8'-11"	Ub 8'-8"	Ub 8'-5"	Ub 8'-5"
2" x 4" x 0.050"	12'-3"	Ub 11'-8"	Ub 11'-3"	Ub 10'-10"	Ub 10'-6"	Ub 10'-3"	Ub 9'-8"	Ub 9'-8"
2" x 5" x 0.062"	15'-8"	Ub 14'-11"	Ub 14'-5"	Ub 13'-10"	Ub 13'-2"	Ub 12'-6"	Ub 11'-9"	Ub 11'-9"

Note:

- Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
- The structures Uniformed using this section shall be limited to a maximum combined span and upright height of 50' and a maximum upright height of 16'. Structures larger than these limits shall have site specific engineering.
- Span is measured from center of beam and upright connection to fascia or wall connection.
- Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
- Tables are based on a maximum wall height of 16' including a 4' max. mansard or gable.
- Spans may be interpolated.
- To convert spans to "C" and "D" exposure categories see exposure multipliers and example on Table 1B Page 3. Example: Max. 'L' for 2" x 4" x 0.050" hollow section with "W" = 5'-0" = 9'-10"

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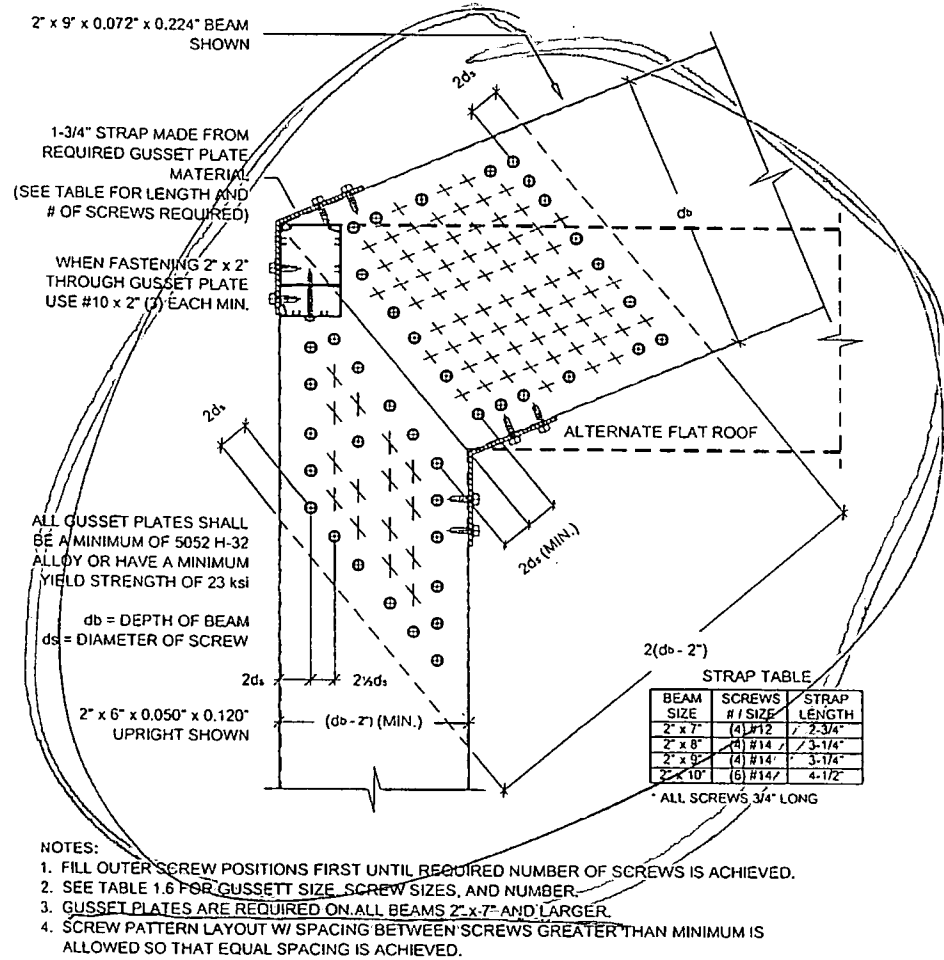
17B

ALUMINUM STRUCTURES DESIGN MANUAL
 SCREEN ENCLOSURES
 SECTION 1 TABLES
 2007 FLORIDA BUILDING CODE
 WITH 2009 SUPPLEMENTS - 2010 EDITION

Town & Country
 INDUSTRIES, INC.
 Wholesale Aluminum Distributors

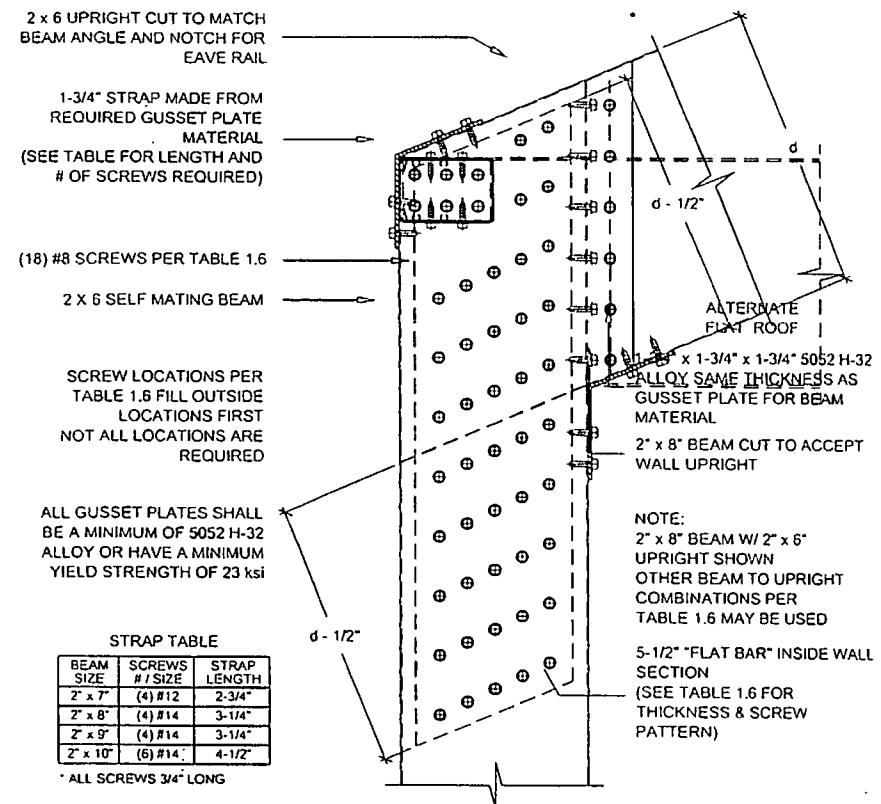
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**MOMENT CONNECTION TABLES CAN ONLY BE USED IN CONJUNCTION
WITH ONE OF THESE DETAILS**



**BEAM SPLICE CUT, GUSSET PLATE CONNECTION & GUSSET SCREW PATTERN
BEAM TO POST MOMENT CONNECTION DETAIL**

SCALE: 2" = 1'-0"



BEAM SIZE	SCREWS # / SIZE	STRAP LENGTH
2" x 7"	(4) #12	2-3/4"
2" x 8"	(4) #14	3-1/4"
2" x 9"	(4) #14	3-1/4"
2" x 10"	(6) #14	4-1/2"

* ALL SCREWS 3/4" LONG

- NOTES:
1. FILL OUTER SCREW POSITIONS FIRST UNTIL REQUIRED NUMBER OF SCREWS IS ACHIEVED.
2. SEE TABLE 1.6 FOR GUSSET SIZE, SCREW SIZES, AND NUMBER.
3. GUSSET PLATES ARE REQUIRED ON ALL BEAMS 2" x 7" AND LARGER.
4. SCREW PATTERN LAYOUT W/ SPACING BETWEEN SCREWS GREATER THAN MINIMUM IS ALLOWED SO THAT EQUAL SPACING IS ACHIEVED.
5. BEAMS THAT ARE 2 x 7 OR LARGER MUST HAVE GUSSET PLATE.
6. MOMENT CONNECTIONS AND MOMENT TABLES CAN NOT BE USED IN SOLID ROOF / SCREEN ROOF COMBINATION ENCLOSURES OR ANY CONNECTION THAT REQUIRES A KNEE BRACE SUCH AS IN A DOME ROOF.

ALTERNATE BEAM TO POST MOMENT CONNECTION DETAIL

SCALE: 2" = 1'-0"

Lawrence E. Bennett
INDUSTRIES, INC.
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ALUMINUM STRUCTURES DESIGN MANUAL
SCREEN ENCLOSURES
SECTION 1 MOMENT CONNECTION DETAILS
2007 FLORIDA BUILDING CODE
WITH 2009 SUPPLEMENTS - 2009 EDITION

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SHEET

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Table 1.1M 140 Moment Connection Allowable Beam Spans Town & Country Industries, Inc. Aluminum Alloy 6005 T-5

For Wind Zones up to 140 M.P.H., Exposure "B" and Latitudes Below 30°-30'-00" North (Jacksonville, FL)
Uniform Load = 6 #/SF, a Point Load of 300 MSF over (1) linear ft. is also considered

Hollow Sections	Tributary Load Width "W" = Beam Spacing			
	3'-0"	4'-0"	5'-0"	6'-0"
2" x 2" x 0.044"	7-3'	7-3'	7-3'	7-3'
2" x 3" x 0.045"	9-2'	9-2'	9-2'	9-2'
2" x 4" x 0.045"	13-6'	13-6'	13-6'	13-6'
2" x 5" x 0.050"	16-7'	16-7'	16-7'	16-7'
2" x 6" x 0.050"	18-9'	18-9'	18-9'	18-9'
2" x 7" x 0.050"	20-0'	20-0'	20-0'	20-0'
2" x 8" x 0.050"	22-2'	22-2'	22-2'	22-2'
2" x 9" x 0.050"	24-4'	24-4'	24-4'	24-4'
2" x 10" x 0.050"	26-6'	26-6'	26-6'	26-6'
2" x 11" x 0.050"	28-8'	28-8'	28-8'	28-8'
2" x 12" x 0.050"	31-0'	31-0'	31-0'	31-0'
2" x 13" x 0.050"	33-2'	33-2'	33-2'	33-2'
2" x 14" x 0.050"	35-4'	35-4'	35-4'	35-4'
2" x 15" x 0.050"	37-6'	37-6'	37-6'	37-6'
2" x 16" x 0.050"	39-8'	39-8'	39-8'	39-8'
2" x 17" x 0.050"	42-0'	42-0'	42-0'	42-0'
2" x 18" x 0.050"	44-2'	44-2'	44-2'	44-2'
2" x 19" x 0.050"	46-4'	46-4'	46-4'	46-4'
2" x 20" x 0.050"	48-6'	48-6'	48-6'	48-6'
2" x 21" x 0.050"	50-8'	50-8'	50-8'	50-8'
2" x 22" x 0.050"	53-0'	53-0'	53-0'	53-0'
2" x 23" x 0.050"	55-2'	55-2'	55-2'	55-2'
2" x 24" x 0.050"	57-4'	57-4'	57-4'	57-4'
2" x 25" x 0.050"	59-6'	59-6'	59-6'	59-6'
2" x 26" x 0.050"	61-8'	61-8'	61-8'	61-8'
2" x 27" x 0.050"	64-0'	64-0'	64-0'	64-0'
2" x 28" x 0.050"	66-2'	66-2'	66-2'	66-2'
2" x 29" x 0.050"	68-4'	68-4'	68-4'	68-4'
2" x 30" x 0.050"	70-6'	70-6'	70-6'	70-6'
2" x 31" x 0.050"	72-8'	72-8'	72-8'	72-8'
2" x 32" x 0.050"	75-0'	75-0'	75-0'	75-0'
2" x 33" x 0.050"	77-2'	77-2'	77-2'	77-2'
2" x 34" x 0.050"	79-4'	79-4'	79-4'	79-4'
2" x 35" x 0.050"	81-6'	81-6'	81-6'	81-6'
2" x 36" x 0.050"	83-8'	83-8'	83-8'	83-8'
2" x 37" x 0.050"	86-0'	86-0'	86-0'	86-0'
2" x 38" x 0.050"	88-2'	88-2'	88-2'	88-2'
2" x 39" x 0.050"	90-4'	90-4'	90-4'	90-4'
2" x 40" x 0.050"	92-6'	92-6'	92-6'	92-6'
2" x 41" x 0.050"	94-8'	94-8'	94-8'	94-8'
2" x 42" x 0.050"	97-0'	97-0'	97-0'	97-0'
2" x 43" x 0.050"	99-2'	99-2'	99-2'	99-2'
2" x 44" x 0.050"	101-4'	101-4'	101-4'	101-4'
2" x 45" x 0.050"	103-6'	103-6'	103-6'	103-6'
2" x 46" x 0.050"	105-8'	105-8'	105-8'	105-8'
2" x 47" x 0.050"	108-0'	108-0'	108-0'	108-0'
2" x 48" x 0.050"	110-2'	110-2'	110-2'	110-2'
2" x 49" x 0.050"	112-4'	112-4'	112-4'	112-4'
2" x 50" x 0.050"	114-6'	114-6'	114-6'	114-6'
2" x 51" x 0.050"	116-8'	116-8'	116-8'	116-8'
2" x 52" x 0.050"	119-0'	119-0'	119-0'	119-0'
2" x 53" x 0.050"	121-2'	121-2'	121-2'	121-2'
2" x 54" x 0.050"	123-4'	123-4'	123-4'	123-4'
2" x 55" x 0.050"	125-6'	125-6'	125-6'	125-6'
2" x 56" x 0.050"	127-8'	127-8'	127-8'	127-8'
2" x 57" x 0.050"	130-0'	130-0'	130-0'	130-0'
2" x 58" x 0.050"	132-2'	132-2'	132-2'	132-2'
2" x 59" x 0.050"	134-4'	134-4'	134-4'	134-4'
2" x 60" x 0.050"	136-6'	136-6'	136-6'	136-6'
2" x 61" x 0.050"	138-8'	138-8'	138-8'	138-8'
2" x 62" x 0.050"	141-0'	141-0'	141-0'	141-0'
2" x 63" x 0.050"	143-2'	143-2'	143-2'	143-2'
2" x 64" x 0.050"	145-4'	145-4'	145-4'	145-4'
2" x 65" x 0.050"	147-6'	147-6'	147-6'	147-6'
2" x 66" x 0.050"	149-8'	149-8'	149-8'	149-8'
2" x 67" x 0.050"	152-0'	152-0'	152-0'	152-0'
2" x 68" x 0.050"	154-2'	154-2'	154-2'	154-2'
2" x 69" x 0.050"	156-4'	156-4'	156-4'	156-4'
2" x 70" x 0.050"	158-6'	158-6'	158-6'	158-6'
2" x 71" x 0.050"	160-8'	160-8'	160-8'	160-8'
2" x 72" x 0.050"	163-0'	163-0'	163-0'	163-0'
2" x 73" x 0.050"	165-2'	165-2'	165-2'	165-2'
2" x 74" x 0.050"	167-4'	167-4'	167-4'	167-4'
2" x 75" x 0.050"	169-6'	169-6'	169-6'	169-6'
2" x 76" x 0.050"	171-8'	171-8'	171-8'	171-8'
2" x 77" x 0.050"	174-0'	174-0'	174-0'	174-0'
2" x 78" x 0.050"	176-2'	176-2'	176-2'	176-2'
2" x 79" x 0.050"	178-4'	178-4'	178-4'	178-4'
2" x 80" x 0.050"	180-6'	180-6'	180-6'	180-6'
2" x 81" x 0.050"	182-8'	182-8'	182-8'	182-8'
2" x 82" x 0.050"	185-0'	185-0'	185-0'	185-0'
2" x 83" x 0.050"	187-2'	187-2'	187-2'	187-2'
2" x 84" x 0.050"	189-4'	189-4'	189-4'	189-4'
2" x 85" x 0.050"	191-6'	191-6'	191-6'	191-6'
2" x 86" x 0.050"	193-8'	193-8'	193-8'	193-8'
2" x 87" x 0.050"	196-0'	196-0'	196-0'	196-0'
2" x 88" x 0.050"	198-2'	198-2'	198-2'	198-2'
2" x 89" x 0.050"	200-4'	200-4'	200-4'	200-4'
2" x 90" x 0.050"	202-6'	202-6'	202-6'	202-6'
2" x 91" x 0.050"	204-8'	204-8'	204-8'	204-8'
2" x 92" x 0.050"	207-0'	207-0'	207-0'	207-0'
2" x 93" x 0.050"	209-2'	209-2'	209-2'	209-2'
2" x 94" x 0.050"	211-4'	211-4'	211-4'	211-4'
2" x 95" x 0.050"	213-6'	213-6'	213-6'	213-6'
2" x 96" x 0.050"	215-8'	215-8'	215-8'	215-8'
2" x 97" x 0.050"	218-0'	218-0'	218-0'	218-0'
2" x 98" x 0.050"	220-2'	220-2'	220-2'	220-2'
2" x 99" x 0.050"	222-4'	222-4'	222-4'	222-4'
2" x 100" x 0.050"	224-6'	224-6'	224-6'	224-6'
2" x 101" x 0.050"	226-8'	226-8'	226-8'	226-8'
2" x 102" x 0.050"	229-0'	229-0'	229-0'	229-0'
2" x 103" x 0.050"	231-2'	231-2'	231-2'	231-2'
2" x 104" x 0.050"	233-4'	233-4'	233-4'	233-4'
2" x 105" x 0.050"	235-6'	235-6'	235-6'	235-6'
2" x 106" x 0.050"	237-8'	237-8'	237-8'	237-8'
2" x 107" x 0.050"	240-0'	240-0'	240-0'	240-0'
2" x 108" x 0.050"	242-2'	242-2'	242-2'	242-2'
2" x 109" x 0.050"	244-4'	244-4'	244-4'	244-4'
2" x 110" x 0.050"	246-6'	246-6'	246-6'	246-6'
2" x 111" x 0.050"	248-8'	248-8'	248-8'	248-8'
2" x 112" x 0.050"	251-0'	251-0'	251-0'	251-0'
2" x 113" x 0.050"	253-2'	253-2'	253-2'	253-2'
2" x 114" x 0.050"	255-4'	255-4'	255-4'	255-4'
2" x 115" x 0.050"	257-6'	257-6'	257-6'	257-6'
2" x 116" x 0.050"	259-8'	259-8'	259-8'	259-8'
2" x 117" x 0.050"	262-0'	262-0'	262-0'	262-0'
2" x 118" x 0.050"	264-2'	264-2'	264-2'	264-2'
2" x 119" x 0.050"	266-4'	266-4'	266-4'	266-4'
2" x 120" x 0.050"	268-6'	268-6'	268-6'	268-6'
2" x 121" x 0.050"	270-8'	270-8'	270-8'	270-8'
2" x 122" x 0.050"	273-0'	273-0'	273-0'	273-0'
2" x 123" x 0.050"	275-2'	275-2'	275-2'	275-2'
2" x 124" x 0.050"	277-4'	277-4'	277-4'	277-4'
2" x 125" x 0.050"	279-6'	279-6'	279-6'	279-6'
2" x 126" x 0.050"	281-8'	281-8'	281-8'	281-8'
2" x 127" x 0.050"	284-0'	284-0'	284-0'	284-0'
2" x 128" x 0.050"	286-2'	286-2'	286-2'	286-2'
2" x 129" x 0.050"	288-4'	288-4'	288-4'	288-4'
2" x 130" x 0.050"	290-6'	290-6'	290-6'	290-6'
2" x 131" x 0.050"	292-8'	292-8'	292-8'	292-8'
2" x 132" x 0.050"	295-0'	295-0'	295-0'	295-0'
2" x 133" x 0.050"	297-2'	297-2'	297-2'	297-2'
2" x 134" x 0.050"	299-4'	299-4'	299-4'	299-4'
2" x 135" x 0.050"	301-6'	301-6'	301-6'	301-6'
2" x 136" x 0.050"	303-8'	303-8'	303-8'	303-8'
2" x 137" x 0.050"	306-0'	306-0'	306-0'	306-0'
2" x 138" x 0.050"	308-2'	308-2'	308-2'	308-2'
2" x 139" x 0.050"	310-4'	310-4'	310-4'	310-4'
2" x 140" x 0.050"	312-6'	312-6'	312-6'	312-6'

1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
2. The structures designed with this section shall be limited to a maximum combined span and upright height of 50' and a maximum upright height of 16'. Structures larger than these limits shall have site specific engineering.
3. Span is measured from center of beam and upright connection to fascia or wall connection.
4. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
5. Tables are based on a maximum wall height of 16' including a 4' max. mansard or gable.
6. Spans may be interpolated.
7. To convert spans to "C" and "D" exposure categories see exposure multipliers and example on Table 1B Page 3.
8. Moment connections and moment tables can not be used in solid roof combination enclosures or any connection that requires a knee brace such as in a dome roof.

BEAMS ARE 6" O APPARAD
TAPER VALVE IS 25" DIA
BEAM SPAN IS 24' 6"

Table 1.3M 140

Moment Connection Allowable Post / Upright Heights Town & Country Industries, Inc. Aluminum Alloy 6005 T-5

For 3 second wind gust at a velocity of 140-152 MPH, Exposure "B" or an applied load of 21 MSF, ft. Uniform Load on Screen = 15 #/SF 300# Point Load is Considered over (1) LF of Beam

Hollow Sections	Tributary Load Width "W" = Beam Spacing			
	3'-0"	4'-0"	5'-0"	6'-0"
2" x 2" x 0.044"	7-3'	7-3'	7-3'	7-3'
2" x 3" x 0.045"	8-1'	8-1'	8-1'	8-1'
2" x 4" x 0.045"	8-10'	8-10'	8-10'	8-10'
2" x 5" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 6" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 7" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 8" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 9" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 10" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 11" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 12" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 13" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 14" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 15" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 16" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 17" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 18" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 19" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 20" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 21" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 22" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 23" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 24" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 25" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 26" x 0.050"	11-8'	11-8'	11-8'	11-8'
2" x 27" x 0.050"	11-8'	11-8'	11-8'	1

GENERAL NOTES AND SPECIFICATIONS:

- The Section 9 tables were developed from data for anchors that are considered to be "Industry Standard" anchors. The allowable loads are based on data from catalogs from POWERS FASTENING, INC. (RAWL PRODUCTS), other anchor suppliers, and design criteria and reports from the American Forest and Paper Products and the American Plywood Association.
- Unless otherwise noted, the following minimum properties of materials were used in calculating allowed loadings:
 - Aluminum:
 - Sheet, 3105 H-14 or H-25 alloy
 - Extrusions, 6063 T-6 alloy
 - Concrete, $F_c = 2,500$ psi @ 28 days
 - Steel, Grade D Fb / c = 33.0 psi
 - Wood:
 - Framing Lumber #2 S.P.F. minimum
 - Sheathing, 1/2" 4 ply CDX or 7/16" OSB
- 120 MPH wind load was used for all allowable area calculations.
- For high velocity hurricane zones the minimum live load / applied load shall be 30 PSF.
- Spans may be interpolated between values but not extrapolated outside values.
- Aluminum metals that will come in contact with ferrous metal surfaces or concrete / masonry products or pressure treated wood shall be coated w/ two coats of aluminum metal-and-masonry paint or a coat of heavy-bodied bluminous paint, or the wood or other absorbing material shall be painted with two coats of aluminum house paint and the joints sealed with a good quality caulking compound. The protective materials shall be as listed in section 2003.8.4.3 through 2003.8.4.6 of the Florida Building Code or Corobound Cold Galvanizing Primer and Finisher.
- All fasteners or aluminum parts shall be corrosion resistant such as non magnetic stainless steel grade 304 or 316; Ceramic coated, double zinc coated or powder coated steel fasteners. Only fasteners that are warranted as corrosion resistant shall be used; Unprotected steel fasteners shall not be used.
- Any structure within 1500 feet of a salt water area; (bay or ocean) shall have fasteners made of non-magnetic stainless steel 304 or 316 series. 410 series has not been approved for use with aluminum by the Aluminum Association and should not be used.
- Any project covering a pool with a salt water chlorination disinfection system shall use the above recommended fasteners. This is not limited to base anchoring systems but includes all connection types.

SECTION 9 DESIGN STATEMENT:

The anchor systems in Section 9 are designed for a 130 MPH wind load. Multipliers for other wind zones have been provided. Allowable loads include a 133% wind load increase as provided for in The 2007 Florida Building Code with 2009 Supplements. The use of this multiplier is only allowed once and I have selected anchoring systems which include strapping, nails and other fasteners.

Table 9.1 Allowable Loads for Concrete Anchors

Screw Size d = diameter	Embedment Depth (In.)	Min. Edge Dist. & Anchor Spacing Sd (In.)	Allowable Loads	
			Tension	Shear
ZAMAC NAILIN (Drive Anchors)				
1/4"	1-1/2"	1-1/4"	273#	236#
	2"	1-1/4"	316#	236#
TAPPER (Concrete Screws)				
3/16"	1-1/4"	1-1/4"	288#	167#
	1-3/4"	1-1/4"	371#	259#
	1-1/4"	1-1/4"	427#	200#
1/4"	1-3/4"	1-1/4"	544#	216#
	1-1/2"	1-9/16"	511#	402#
3/8"	1-3/4"	3-3/8"	703#	455#
POWER BOLT (Expansion Bolt)				
1/4"	2"	1-1/4"	624#	261#
5/16"	3"	1-7/8"	936#	751#
3/8"	3-1/2"	1-9/16"	1,575#	1,425#
1/2"	5"	2-1/2"	2,332#	2,220#
POWER STUD (Wedge-Bolt @)				
1/4"	2-3/4"	1-1/4"	812#	326#
3/8"	4-1/4"	1-7/8"	1,358#	921#
1/2"	6"	2-1/2"	2,271#	1,218#
5/8"	7"	2-1/4"	3,200#	2,202#
Wedge Bolt				
1/4"	2-1/2"	2-1/4"	878#	385#
3/8"	3-1/2"	3-1/4"	1,705#	916#
1/2"	4"	3-3/4"	1,774#	1,095#

Notes:

- Concrete screws are limited to 2" embedment by manufacturers.
- Values listed are allowed loads with a safety factor of 4 applied.
- Products equal to rawl may be substituted.
- Anchors receiving loads perpendicular to the diameter are in tension.
- Allowable loads are increased by 1.00 for wind load.
- Minimum edge distance and center to center spacing shall be 5d.
- Anchors receiving loads parallel to the diameter are shear loads.
- Manufacturers recommended reductions for edge distance of 5d have been applied.

Example:
Determine the number of concrete anchors required for a pool enclosure by dividing the uplift load by the anchor allowed load.
For a 2" x 6" beam with:
spacing = 7'-0" O.C.
uplift span = 20'-5" (Table 1.1)
UPLIFT LOAD = 1/2(BEAM SPAN) x BEAM & UPRIGHT SPACING
NUMBER OF ANCHORS = 1/2(20.42) x 7 x 100 / 5d, FL
ALLOWED LOAD ON ANCHOR
NUMBER OF ANCHORS = 714,70# ÷ 1,67
427#
Therefore, use 2 anchors, one (1) on each side of upright.

Table is based on Rawl Products' allowable loads for 2,500 p.s.i. concrete.

Allowable Load Conversion Multipliers for Edge Distances More Than 5d

Edge Distance	Tension	Shear
5d	1.00	1.00
6d	1.04	1.20
7d	1.08	1.40
8d	1.11	1.60
9d	1.14	1.80
10d	1.18	2.00
11d	1.21	-
12d	1.25	-

Table 9.5A Allowable Loads & Roof Areas Over Posts for Metal to Metal, Beam to Upright Bolt Connections Open or Enclosed Structures @ 27.42 #/SF

Fastener diam.	min. edge distance	min. ctr. to ctr.	No. of Fasteners / Roof Area (SF)			
			1 / Area	2 / Area	3 / Area	4 / Area
1/4"	1/2"	5/8"	1,454 - 53	2,908 - 106	4,362 - 159	5,819 - 212
5/16"	3/8"	7/8"	1,894 - 69	3,788 - 138	5,682 - 207	7,576 - 276
3/8"	3/4"	1"	2,272 - 82	4,544 - 166	6,816 - 249	9,088 - 331
1/2"	1"	1-1/4"	3,030 - 110	6,060 - 221	9,090 - 332	12,120 - 442

Table 9.5B Allowable Loads & Roof Areas Over Posts for Metal to Metal, Beam to Upright Bolt Connections Partially Enclosed Structures @ 35.53 #/SF

Fastener diam.	min. edge distance	min. ctr. to ctr.	No. of Fasteners / Roof Area (SF)			
			1 / Area	2 / Area	3 / Area	4 / Area
1/4"	1/2"	5/8"	1,454 - 41	2,908 - 82	4,362 - 125	5,819 - 164
5/16"	3/8"	7/8"	1,894 - 53	3,788 - 107	5,682 - 160	7,576 - 213
3/8"	3/4"	1"	2,272 - 64	4,544 - 128	6,816 - 192	9,088 - 256
1/2"	1"	1-1/4"	3,030 - 85	6,060 - 171	9,090 - 256	12,120 - 341

Notes for Tables 9.5 A & B:

- Tables 9.5 A & B are based on 3 second wind gusts at 120 MPH; Exposure "B"; $I = 1.0$. For airports & screen rooms multiply the Class / Partially Enclosed loads & roof areas above by 1.3.
- Minimum spacing is 2-1/2d O.C. for screws & bolts and 3d O.C. for rivets.
- Minimum edge distance is 2d for screws, bolts, and rivets.

Allowable Load Conversions for Edge Distances More Than 5d

Edge Distance	Allowable Load Multipliers	
	Tension	Shear
12d	1.25	-
11d	1.21	-
10d	1.18	2.00
9d	1.14	1.80
8d	1.11	1.60
7d	1.08	1.40
6d	1.04	1.20
5d	1.00	1.00

Table 9.6 Maximum Allowable Fastener Loads for Metal Plate to Wood Support

Screw Ø	Metal to Plywood				Metal to Wood	
	1/2" 4 ply	5/8" 4 ply	3/4" 4 ply	Shear (lbs.)	Pull Out (lbs.)	
#8	93	48	113	59	134	
#10	100	55	120	69	141	
#12	118	71	131	78	143	
#14	132	70	145	88	157	

Table 9.7 Aluminum Rivets with Aluminum or Steel Mandrel

Rivet Diameter	Aluminum Mandrel		Steel Mandrel	
	Tension (lbs.)	Shear	Tension (lbs.)	Shear
1/8"	129	176	210	325
5/32"	187	263	340	490
3/16"	262	375	445	720

Table 9.8 Alternative Angle and Anchor Systems for Beams Anchored to Walls, Uprights, Carrier Beams, or Other Connections 120 mph "C" Exposure Vary Screw Size w/ Wind Zone Use Next Larger Size for "C" Exposures

Max Size of Beam Upright	Attachment Type	Size Description	Maximum Screw / Anchor Size	
			To Wall	To Upright / Beam
2" x 4" x 0.044"	Angle	1" x 1" x 0.045"	3/16"	#10
2" x 4" x 0.044"	Upright	1" x 1" x 1/16" (0.063")	3/16"	#10
2" x 4" x 0.072"	U-channel	1" x 1" x 1/16" x 1/16" (0.063")	1/2"	#14
2" x 4" x 0.072"	U-channel	1" x 1" x 1/16" x 1/16" (0.063")	3/16"	#12
2" x 10" x 0.072"	Angle	1-1/2" x 1-1/2" 1/16" (0.062")	1/4"	#12
2" x 7" x 0.072"	Angle	1-1/2" x 1-1/2" 3/16" (0.188")	1/4"	#14
2" x 10" x 0.072"	Angle	1-1/2" x 1-1/2" 1/8" (0.062")	1/4"	#14
2" x 7" x 0.072"	Angle	1-3/4" x 1-3/4" x 1/8" (0.125")	1/4"	#14
2" x 10" x 0.072"	U-channel	1-3/4" x 1-3/4" x 1/8" x 1/8"	3/8"	#14
2" x 10" x 0.072"	Angle	2" x 2" x 0.093"	3/8"	3/8"
2" x 10" x 0.072"	Angle	2" x 2" x 1/8" (0.125")	5/16"	5/16"
2" x 10" x 0.072"	Angle	2" x 2" x 3/16" (0.313")	1/2"	1/2"

- Notes:**
- # of screws to beam, wall, and/or post equal to depth of beam. For screw sizes use the stitching screw size for beam / upright found in Table 1.6.
 - For post attachments use wall attachment type = to wall of member thickness to determine angle or u channel and use next higher thickness for angle or u channel than the upright wall thickness.
 - Inside connections members shall be used whenever possible i.e. Use in lieu of angles where possible.
 - The thicker of the two members u channel angle should be placed on the inside of the connection if possible.

Table 9.2 Wood & Concrete Fasteners for Open or Enclosed Buildings Loads and Areas for Screws in Tension Only

Maximum Allowable - Load and Allowable Roof Area for 120 MPH Wind Zone (27.42 # / SF) (For Wind Regions other than 120 MPH, Use Conversion Table at Bottom of this page)

CONNECTING TO: WOOD for OPEN or ENCLOSED Buildings

Fastener Diameter	Length of Embedment	Number of Fasteners			
		1	2	3	4
1/4"	1"	264# - 10 SF	528# - 19 SF	792# - 29 SF	1056# - 39 SF
	1-1/2"	366# - 14 SF	732# - 29 SF	1098# - 43 SF	1464# - 58 SF
	2-1/2"	660# - 24 SF	1320# - 48 SF	1980# - 72 SF	2640# - 96 SF
5/16"	1"	312# - 11 SF	624# - 23 SF	936# - 34 SF	1248# - 46 SF
	1-1/2"	468# - 17 SF	936# - 34 SF	1404# - 51 SF	1872# - 68 SF
	2-1/2"	780# - 28 SF	1560# - 57 SF	2340# - 85 SF	3120# - 114 SF
3/8"	1"	356# - 13 SF	712# - 26 SF	1068# - 39 SF	1424# - 52 SF
	1-1/2"	534# - 19 SF	1068# - 39 SF	1602# - 58 SF	2136# - 78 SF
	2-1/2"	890# - 32 SF	1780# - 65 SF	2670# - 97 SF	3560# - 130 SF

CONNECTING TO: CONCRETE (Min. 2,500 psi) for PARTIALLY ENCLOSED Buildings

Fastener Diameter	Length of Embedment	Number of Fasteners			
		1	2	3	4
1/4"	1-1/2"	273# - 10 SF	546# - 20 SF	819# - 30 SF	1092# - 40 SF
	2"	316# - 12 SF	632# - 23 SF	948# - 35 SF	1264# - 46 SF
3/16"	1-1/4"	288# - 11 SF	576# - 21 SF	864# - 32 SF	1152# - 42 SF
	1-3/4"	371# - 14 SF	742# - 27 SF	1113# - 41 SF	1484# - 54 SF
1/4"	1-1/4"	365# - 13 SF	730# - 27 SF	1095# - 40 SF	1460# - 53 SF
	1-3/4"	427# - 16 SF	854# - 31 SF	1281# - 47 SF	1708# - 62 SF
3/8"	1-1/2"	511# - 19 SF	1022# - 37 SF	1533# - 56 SF	2044# - 75 SF
	1-3/4"	703# - 26 SF	1406# - 51 SF	2109# - 77 SF	2812# - 103 SF
3/8"	2-1/2"	1050# - 38 SF	2100# - 77 SF	3150# - 115 SF	4200# - 153 SF
	3-1/2"	1575# - 57 SF	3150# - 115 SF	4725# - 172 SF	6300# - 230 SF
1/2"	3"	1999# - 51 SF	3998# - 102 SF	5997# - 153 SF	7996# - 204 SF
	5"	2332# - 85 SF	4664# - 170 SF	6996# - 255 SF	9328# - 340 SF

- Notes:**
- The minimum distance from the edge of the concrete to the concrete anchor and spacing between anchors shall not be less than 5d where d is the anchor diameter.
 - Allowable roof areas are based on loads for Glass / Enclosed Rooms (MWFRS); $I = 1.00$.
 - For partially enclosed buildings use a multiplier to roof areas of 0.77.
 - For sections 1 & 2 multiply roof areas by 1.30.

WIND LOAD CONVERSION TABLE:

WIND REGION	APPLIED LOAD	CONVERSION FACTOR
100	26.6	1.01
110	26.8	1.01
120	27.4	1.00
123	28.9	0.97
130	32.2	0.92
140-1	37.3	0.86
140-2	37.3	0.86
150	42.8	0.80

Table 9.3 Wood & Concrete Fasteners for Partially Enclosed Buildings Loads and Areas for Screws in Tension Only

Maximum Allowable - Load and Allowable Roof Area for 120 MPH Wind Zone (35.53 # / SF) (For Wind Regions other than 120 MPH, Use Conversion Table at Bottom of this page)

CONNECTING TO: WOOD for PARTIALLY ENCLOSED Buildings

Fastener Diameter	Length of Embedment	Number of Fasteners			
		1	2	3	4
1/4"	1"	264# - 7 SF	528# - 15 SF	792# - 22 SF	1056# - 30 SF
	1-1/2"	366# - 11 SF	732# - 22 SF	1098# - 33 SF	1464# - 45 SF
	2-1/2"	660# - 19 SF	1320# - 37 SF	1980# - 56 SF	2640# - 74 SF
5/16"	1"	312# - 9 SF	624# - 18 SF	936# - 26 SF	1248# - 35 SF
	1-1/2"	468# - 13 SF	936# - 26 SF	1404# - 40 SF	1872# - 53 SF
	2-1/2"	780# - 22 SF	1560# - 44 SF	2340# - 66 SF	3120# - 88 SF
3/8"	1"	356# - 10 SF	712# - 20 SF	1068# - 30 SF	1424# - 40 SF
	1-1/2"	534# - 15 SF	1068# - 30 SF	1602# - 45 SF	2136# - 60 SF
	2-1/2"	890# - 25 SF	1780# - 50 SF	2670# - 75 SF	3560# - 100 SF

CONNECTING TO: CONCRETE (Min. 2,500 psi) for PARTIALLY ENCLOSED Buildings

Fastener Diameter	Length of Embedment	Number of Fasteners			
		1	2	3	4
1/4"	1-1/2"	233# - 8 SF	466# - 17 SF	699# - 25 SF	932# - 34 SF
	2"	270# - 10 SF	540# - 20 SF	810# - 30 SF	1080# - 39 SF
3/16"	1-1/2"	246# - 7 SF	492# - 14 SF	738# - 21 SF	984# - 28 SF
	1-3/4"	317# - 9 SF	634# - 18 SF	951# - 27 SF	1268# - 36 SF
1/4"	1-1/2"	365# - 9 SF	730# - 21 SF	1095# - 31 SF	1460# - 41 SF
	1-3/4"	465# - 13 SF	930# - 26 SF	1395# - 39 SF	1860# - 52 SF
3/8"	1-1/2"	437# - 12 SF	874# - 25 SF	1311# - 37 SF	1748# - 49 SF
	1-3/4"	601# - 17 SF	1202# - 34 SF	1803# - 51 SF	2404# - 68 SF
3/8"	2-1/2"	1205# - 34 SF	2410# - 68 SF	3615# - 102 SF	4820# - 136 SF
	3-1/2"	1303# - 37 SF	2606# - 73 SF	3909# - 110 SF	5212# - 147 SF
1/2"	3"	1806# - 5			

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection

Mon

Tue

Wed

Thur

Fri

1-7-2011

Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
1650	5335 SPR	REPAIR	Pass	
	Alwan/Gerber	Structural	Pass	
	K+S Inc.	Structural	Pass	INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

9707

A/C CHANGEOUT



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

BUILDING PERMIT CARD

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

PERMIT NUMBER:	9707	DATE ISSUED:	FEBRUARY 8, 2011
SCOPE OF WORK:	AC CHANGEOUT		
CONDITIONS :			
CONTRACTOR:	CENTURY AC		
PARCEL CONTROL NUMBER:	013841011-000-000107	SUBDIVISION	RIDGELAND - LOT 1
CONSTRUCTION ADDRESS:	53 S SEWALLS PT RD		
OWNER NAME:	AKRAWI / GESSER		
QUALIFIER:	JOHN RILEY	CONTACT PHONE NUMBER:	781-3040

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

BUILDING PERMIT RECEIPT

PERMIT NUMBER:	9707		
ADDRESS	53 S SEWALLS PT RD		
DATE:	2/8/11	SCOPE:	AC CHANGEOUT

SINGLE FAMILY OR ADDITION /REMODEL	Declared Value	\$	
Plan Submittal Fee (\$350.00 SFR, \$175.00 Remodel < \$200K)		\$	

6948

63-643/670
BRANCH 00696

CENTURY AIR CONDITIONING

PH 772-692-4886
 3044 S E DOMINICA TER
 STUART, FL 34997

DATE 2/08/11

PAY TO THE ORDER OF

TOWN OF SEWALL'S POINT
EIGHTY FOUR + 00/100

\$ 84⁰⁰
DOLLARS



FOR PERMIT GESSER

[Signature]

⑈006948⑈ ⑆067006432⑆ 2090002862322⑈

St. Johns County impact fee:	\$	
TOTAL BUILDING PERMIT FEE:	\$	

ACCESSORY PERMIT	Declared Value:	\$	2482
Total number of inspections @ \$75.00 each		\$	75
DBPR Licensing Fee: (1.5% of permit fee - \$2.00 minimum)		\$	2
Dept. of Comm. Affairs Fee: (1.5% of permit fee - \$2.00 minimum)		\$	2
Road impact assessment: (.04% of construction value - \$5.00 min.)		\$	5

TOTAL ACCESSORY PERMIT FEE:	\$	84
------------------------------------	----	----

[Handwritten notes]
 PD
 CR# 6948

**Town of Sewall's Point
BUILDING PERMIT APPLICATION**

Date: 2/02/11 Permit Number: 9707
 OWNER/TITLEHOLDER NAME: CAROL GESSER AKRAWI Phone (Day) 221- (Fax) _____
 Job Site Address: 53 S. SEWALLS PT RD. City: STUART State: FL Zip: 34996
 Legal Description: OBCECEBARRY RIDGELAND LOT 1 Parcel Control Number: 01-38-41-011-000-00010-7
 Owner Address (if different): _____ City: _____ State: _____ Zip: _____

SCOPE OF WORK (PLEASE BE SPECIFIC): AC Changeout

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: \$ 2450
 (Notice of Commencement required when over \$2,500 prior to first inspection, \$7,500 on HVAC change out)
 Is subject property located in flood hazard area? VE10 AEG AEG 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

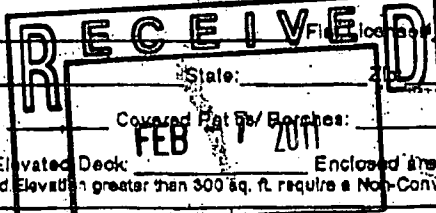
Construction Company: CENTURY AC Phone: 781-3040 Fax: 781-3031
 Qualifiers name: JOHN M. RILEY Street: 3044 SE DOMINICA City: STUART State: FL Zip: 34997
 State License Number: CACU 576716 OR: Municipality: _____ License Number: _____

LOCAL CONTACT: JOHN / MIKE Phone Number: 201-2486 / 201-4702

DESIGN PROFESSIONAL: _____
 Street: _____ City: _____ State: _____ Zip: _____ Phone Number: _____

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

CODE EDITIONS IN EFFECT THIS APPLICATION: Florida Building Code (Structural, Mechanical, Plumbing, Electrical, Gas): 2007
 National Electrical Code: 2005 (2008 after 6/1/08) Florida Energy Conservation 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 80-05.
 4. THIS PERMIT WILL BECOME NULL AND VOID IF THE WORK AUTHORIZED BY THIS PERMIT IS NOT COMMENCED WITHIN 180 DAYS; OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AT ANY TIME AFTER THE WORK IS COMMENCED. ADDITIONAL FEES WILL BE ASSESSED ON ANY PERMIT THAT BECOMES NULL AND VOID. REF. FBC 2007 SECT. 105.4.1, 106.4.1.1 - .5.

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

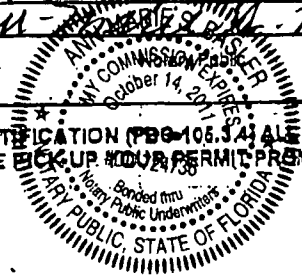
AFFIDAVIT: APPLICATION IS HEREBY MADE TO OBTAIN A PERMIT TO DO THE WORK AS SPECIFICALLY INDICATED ABOVE. I CERTIFY THAT NO WORK OR INSTALLATION HAS COMMENCED PRIOR TO THE ISSUANCE OF A PERMIT AND THAT THE INFORMATION I HAVE FURNISHED ON THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.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

OWNER NOTORIZED SIGNATURE: (required per 713.135 F.S.) OR OWNERS LEGAL AUTHORIZED AGENT (PROOF REQUIRED)
AC
 State of Florida, County of MARTIN
 On This the 3rd day of February, 2011
 by Anis Akrawi who is personally known to me or produced
 As Identification: Kathryn L. Reed
 Notary Public
 My Commission Expires: June 01, 2011

CONTRACTOR NOTORIZED SIGNATURE: (required per 713.135 F.S.)
John Riley
 State of Florida, County of Martin
 On This the 7th day of February, 2011
 by John Riley who is personally known to me or produced
 As Identification: John Riley 493 68 1390
 My Commission Expires: _____

SINGLE FAMILY PERMIT APPLICATIONS MUST BE ISSUED WITHIN 30 DAYS OF APPROVAL NOTIFICATION (FBC 105.3.2) - PLEASE PICK UP YOUR PERMIT PROMPTLY!

NOTARY PUBLIC-STATE OF FLORIDA
 Kathryn L. Reed
 Commission # DD679102
 Expires: JUNE 01, 2011
 BONDED THRU ATLANTIC BONDING CO., INC.





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

TOWN OF SEWALL'S POINT
 BUILDING DEPARTMENT
 FILE COPY

Air Conditioning Change out Affidavit

Residential Commercial _____
 Package Unit ___ Yes No (Use Condenser side of form below for equipment listing)
 Duct Replacement ___ Yes No - Refrigerant line replacement ___ Yes No
 Flushing Existing Refrigerant lines Yes ___ No - Adding Refrigerant Drier Yes ___ No
 Rooftop A/C Stand Installation ___ Yes No - Curb Installation ___ Yes No
 Smoke Detector in Supply (over 2000 CFM) ___ Yes No

SYSTEM MATCH

One form required for each A/C system installed

REPLACEMENT SYSTEM COMPONENTS

Air handler: Mfg: PAUD/RHEEM Model# PHLLHM24
 Volts 240 CFM's 800 Heat Strip 5 Kw
 Min. Circuit Amps 5 Wire gauge #10
 Max. Breaker size 30 Min. Breaker size 25
 Ref. line size: Liquid 3/8 Suction 5/8
 Refrigerant type 410A
 Location: Existing New _____
 Attic/Garage/Closet (specify) ATTIC
 Access: MASTER B/R CLOSET (LEFT SIDE OF HOME)

Condenser: Mfg PAUD/RHEEM Model# PHAJM24
 Volts 240 SEER/EER 16/13 BTU's 24,000
 Min. Circuit Amps 5 Wire gauge #10
 Max. Breaker size 30 AMP Min. Breaker size 25 AMP
 Ref. line size: Liquid 3/8 Suction 5/8
 Refrigerant type 410A
 Location: Existing New _____
 Left/Right/Rear/Front/Roof LEFT SIDE
 Condensate Location ON GROUND NEXT TO POOL

EXISTING SYSTEM COMPONENTS

Air handler: Mfg: CARRIER Model# _____
 Volts 240 CFM's 800 Heat Strip 5 Kw
 Min. Circuit Amps 5 Wire gauge #10
 Max. Breaker size 30 Min. Breaker size 25
 Ref. line size: Liquid 3/8 Suction 5/8
 Refrigerant type R22
 Location: Ext. New _____
 Attic/Garage/Closet (specify) ATTIC
 Access: MASTER B/R CLOSET (SCUTTLE)

Condenser: Mfg PAUD Model# PAKAC24
 Volts 240 SEER/EER 10 BTU's 24,000
 Min. Circuit Amps 5 Wire gauge #10
 Max. Breaker size 25 Min. Breaker size 20
 Ref. line size: Liquid 3/8 Suction 5/8
 Refrigerant type R22
 Location: Ext. New _____
 Left/Right/Rear/Front/Roof LEFT SIDE (NEXT TO POOL.)
 Condensate Location ON GROUND

Certification:

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

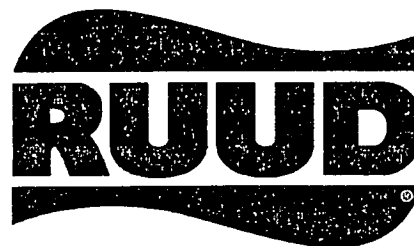
[Signature]
 Signature

2/02/11
 Date

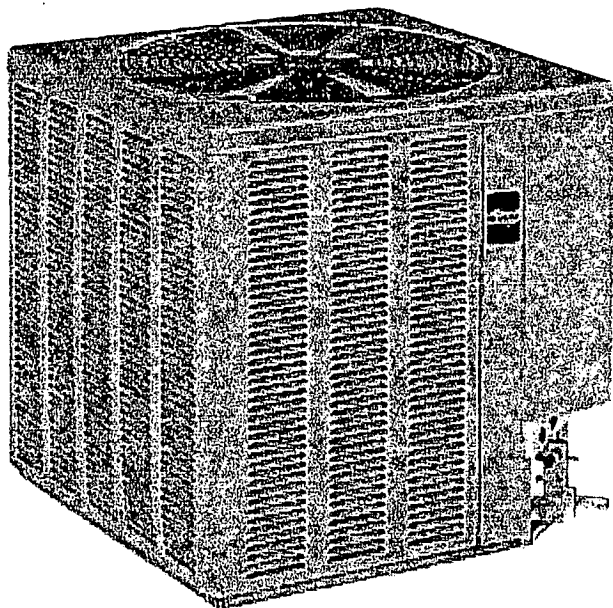


Featuring
Earth-Friendly
R-410A Refrigerant

R-410A
with friendly refrigerant



14.5 SEER VALUE SERIES CONDENSING UNITS



Features

- Painted louvered steel cabinet
- Easily accessible control box
- Condenser coils constructed with copper tubing and enhanced aluminum fins
- Grille/Motor mount for quiet fan operation
- Filter Drier (shipped – not installed)

Applications

Outdoor condensing unit designed for ground level or rooftop installations. These units offer comfort and dependability for single, multi-family and light commercial applications.

Accessories

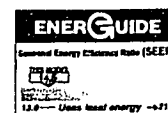
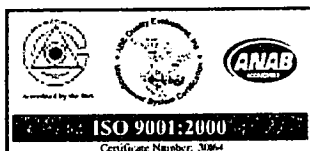
- Low Pressure Control (RXAC-A07)
- High Pressure Control (RXAB-A07)
- Low Ambient Control (RXAD-A08)
- Compressor Time Delay Control
- Crankcase Heater
- Sound Enclosure

14AJM-

14.5 SEER Models
Efficiencies up to 16.50 SEER/14 EER
Nominal Sizes 1 1/2 to 5 Tons
[5.28 kW] to [17.6 kW]

Seven Models

Cooling Capacities
18,600 to 61,500 BTU/HR
[5.45 to 18.02 kW]



"Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your Contractor for details or visit www.energystar.gov."

Electrical and Physical Data

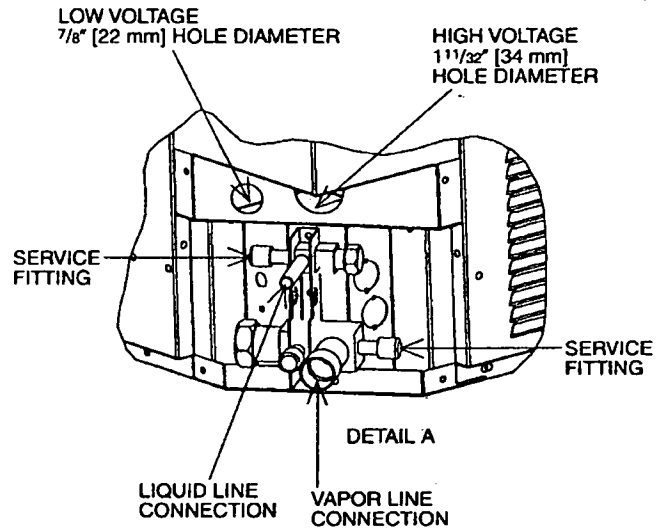
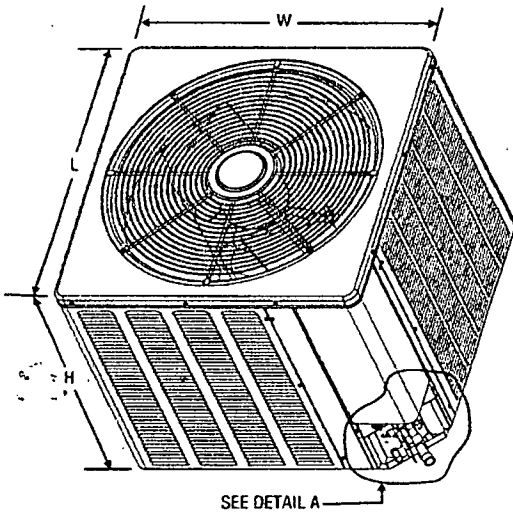
Model No. 14AJM	ELECTRICAL							PHYSICAL						
	Phase Frequency (HZ) Voltage (Volts)	Compressor		Fan Motor Full Load Amperes (FLA)	Minimum Circuit Capacity Amperes	Fuse or HACR Circuit Breaker		Outdoor Coil			Refrigerant Per Circuit Oz. (g)	Weight		
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)			Minimum Amperes	Maximum Amperes	Face Area Sq. Ft. (m ²)	No. Rows	CFM (L/s)		Net Lbs. (kg)	Shipping Lbs. (kg)	
Rev. 3/11/2010														
18	1-60-208/230	9/9	48	0.8	12/12	15/15	20/20	16.39 [1.52]	1	2805 [1324]	112 [3175]	154 [69.9]	171 [77.6]	
24	1-60-208/230	13.5/13.5	58.3	0.8	18/18	25/25	30/30	16.39 [1.52]	1	2805 [1324]	105.6 [2994]	154 [69.9]	171 [77.6]	
30	1-60-208/230	12.8/12.8	64	1.4	18/18	25/25	30/30	16.39 [1.52]	1	2915 [1376]	112 [3175]	157 [71.2]	175 [79.4]	
36	1-60-208/230	16.7/16.7	79	1.9	23/23	30/30	35/35	21.85 [2.03]	1	3435 [1621]	130.4 [3697]	181 [82.1]	201 [91.2]	
42	1-60-208/230	17.9/17.9	112	2.8	26/26	30/30	40/40	21.85 [2.03]	1	3550 [1675]	145.12 [4114]	205 [93]	225 [102.1]	
48	1-60-208/230	21.8/21.8	117	2.8	31/31	40/40	50/50	21.85 [2.03]	2	4310 [2034]	216 [6124]	249 [112.9]	269 [122]	
49	1-60-208/230	19.9/19.9	109	1.9	27/27	35/35	45/45	21.85 [2.03]	2	3615 [1706]	213 [6039]	249 [112.9]	269 [122]	
56	1-60-208/230	21.4/21.4	135	1.9	29/29	35/35	50/50	21.85 [2.03]	2	3615 [1706]	241 [6832]	254 [115.2]	274 [124.3]	
60	1-60-208/230	26.4/26.4	134	2.8	36/36	45/45	60/60	21.85 [2.03]	2	4310 [2034]	240 [6804]	254 [115.2]	274 [124.3]	

NOTE: Factory Refrigerant Charge includes refrigerant for 15 feet of standard line set.

Unit Dimensions

Model No. 14AJM	Unit Dimensions		
	Width "W" Inches (mm)	Length "L" Inches (mm)	Height "H" Inches (mm)
18, 24, 30	31 ⁵ / ₈ [803]	31 ⁵ / ₈ [803]	27 ³ / ₈ [695]
36, 42, 48, 49, 56, 60	31 ⁵ / ₈ [803]	31 ⁵ / ₈ [803]	35 ³ / ₈ [899]

[] Designates Metric Conversions





**Short Form
Entire House
D.S. AIR CONDITIONING**

Job:
Date: NOV. 2006
By:

2032 GIFFEN AVE, PORT ST. LUCIE, FL 34952 Phone: 772 335-4531 Fax: 772 335-0178

Project Information

For: DONLIN RESIDENCE
SEWALLS POINT, FL

Design Information

	Htg	Clg	Method	Infiltration	Simplified
Outside db (°F)	45	91			
Inside db (°F)	70	75	Construction quality		Average
Design TD (°F)	25	16	Fireplaces		0
Daily range	-	L			
Inside humidity (%)	-	50			
Moisture difference (gr/lb)	-	57			

HEATING EQUIPMENT

Make
Trade
Model

Efficiency 100 EFF
Heating input 0 Btuh
Heating output 37844 Btuh
Temperature rise 22 °F
Actual air flow 1600 cfm
Air flow factor 0.045 cfm/Btuh
Static pressure 0.00 in H2O
Space thermostat

COOLING EQUIPMENT

Make Lennox
Trade Elite 12
Cond HS 26048 DP
Coil CB30MV-51*P
Efficiency 12.4 EER
Sensible cooling 40950 Btuh
Latent cooling 17550 Btuh
Total cooling 58500 Btuh
Actual air flow 1600 cfm
Air flow factor 0.040 cfm/Btuh
Static pressure 0.00 in H2O
Load sensible heat ratio 0.83

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
BED 4	305	5394	4968	241	197
WIC	49	79	183	4	7
WIC 2	49	79	183	4	7
BATH 1	88	1278	986	57	39
BATH 2	88	1278	986	57	39
BED 2	248	5210	6724	232	266
GRT ROOM	728	6460	11333	288	449
LAUND	173	552	832	25	33
BED 3	213	4270	3622	190	143
BATH 3	55	541	395	24	16
FAMILY RM	225	5158	4494	230	178
KITCHEN	194	2060	1944	92	77
NEW ADDITION	318	3523	3765	157	149

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Entire House	2730	35880	40414	1600	1600
Other equip loads		1964	1257		
Equip. @ 0.96 RSM			40004		
Latent cooling			8562		
TOTALS	2730	37844	48566	1600	1600

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

THE METAL SHOP

Custom Metal Manufacturer

Consulting Engineer:

Douglas W. Lowe, P.E.

FLA# 13955

1206 Millenium Parkway

Brandon, FL 33511

ANCHOR CLIPS Installer's Guide

WARNING: HAZARDOUS VOLTAGE - DISCONNECT POWER BEFORE SERVICING

PART NUMBER

#771 (4 pk)

#772 (100 box)

#770 (4 pk including hardware)

CONSTRUCTION

18 gauge galvanized steel, G-90 rated for corrosion coastal applications.

PACKAGING DETAILS

All anchor clips are supplied as per package quantities described above.

INSTALLATION

Minimum of 4 clips required per condenser unit.
Minimum of 2 #14 x 3/4" screws with neoprene washer required to fasten clip to condenser unit.

1/4" x 1 3/4" Tapcon screw required to fasten clip to condenser pad.

Locate the anchor clips to fit comfortably between condenser unit and pad.

Adjust clip accordingly to fit on condenser unit and screw together, at the same time ensuring that the base of the clips still in contact with the pad.

All hardware must be fastened prior to connecting refrigerant lines and electrical power to the unit.
Suitable for ground mounted units.

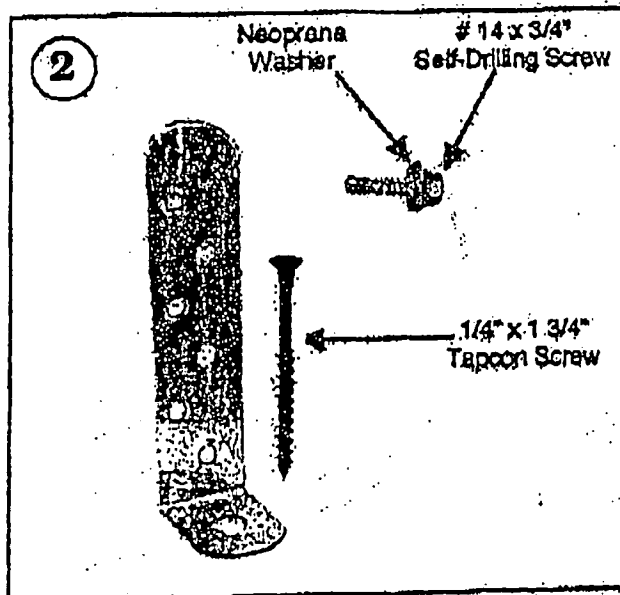
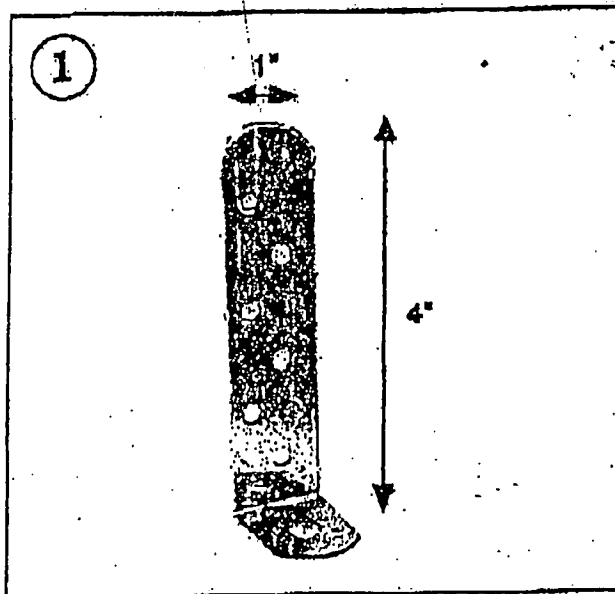
Anchor clip design meets requirements of The Florida Building Code 2007 (Building) chapter 301.12 for wind resistance up to 140 MPH.

FEATURES

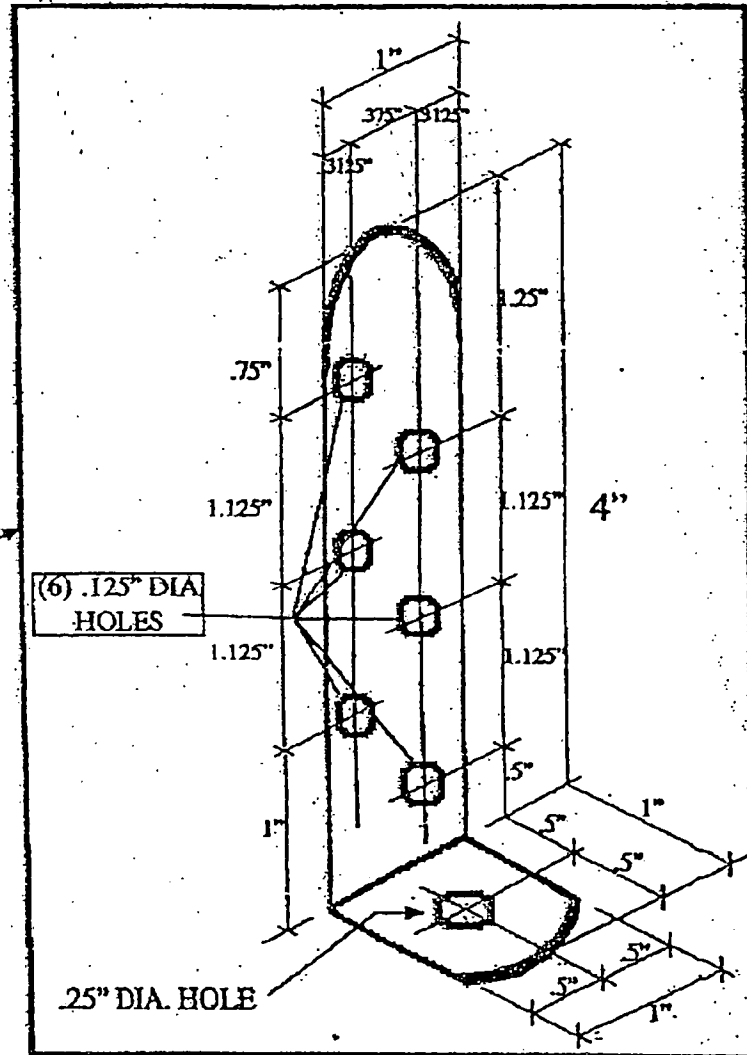
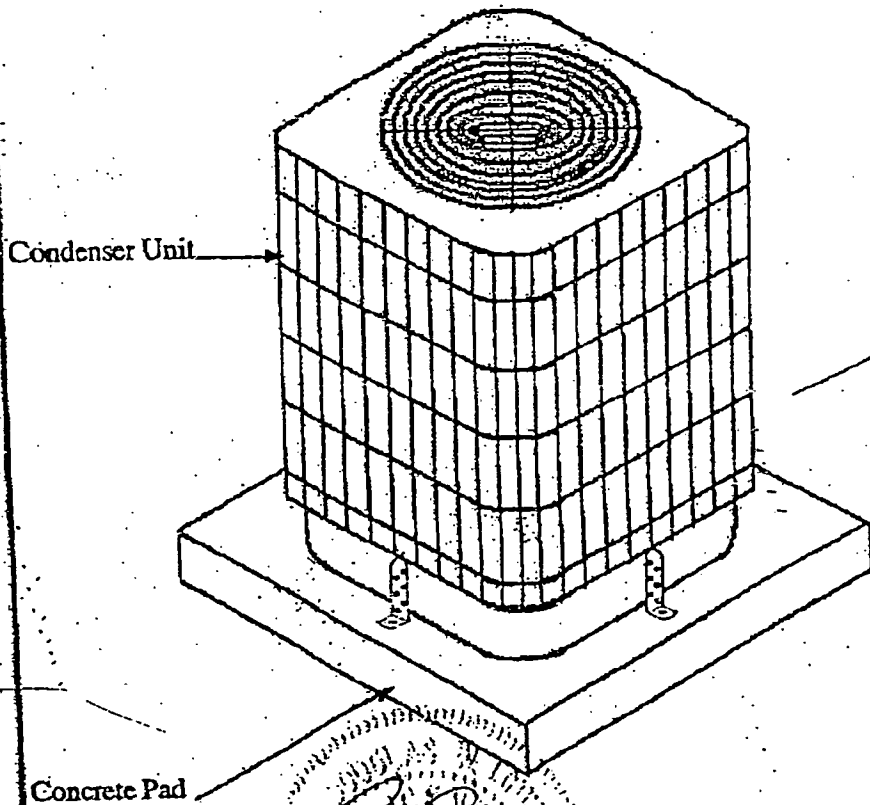
The use of "slotted fit" screw holes compared to slots means that security is never compromised. A tight, secure fit between pad and condenser ensures security for the condenser and offers great assurance during extreme weather conditions.

NOTE

Above installation instruction suitable for up to 5-ton units.



#771 (4 pk) / #772 (100 box) Anchor Clip



Metal thickness = 16 gauge

The Metal Shop
1139 Eldridge Street
Clearwater
FL 33755

Ph: (727) 441-2492
Fax: (727) 442-8493
Web: www.metalshop.org

Consulting Engineer:

Douglas W. Lowc, P.E.
FLA # 13355
1206 Millenium Parkway
Brandon, FL 33511

Revision Date:

2/14/08

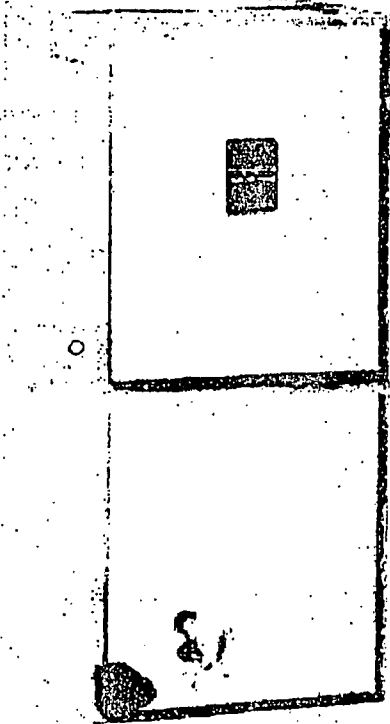
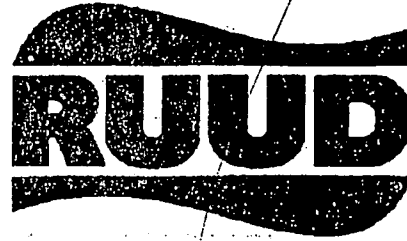
Drawn by:

K.P.R.

Page:

1 of 1

Scale - Not to scale



AIR HANDLERS

RHLA- High Efficiency
featuring R-22 Refrigerant

RHLL- High Efficiency
featuring Earth-Friendly

R-410A Refrigerant

R-410A

RHSA- Standard Efficiency
featuring R-22 Refrigerant

RHSL- Standard Efficiency
featuring Earth-Friendly

R-410A Refrigerant

R-410A

Features

- RHLA/RHLL feature GE's new X-13 (ECM) motor which provides enhanced SEER performance with most Ruud outdoor units.
- 1 1/2 ton [5.3 kW] through 5 ton [17.6 kW] models are between 42 1/2 to 55 1/2 inches [1080 to 1410 mm] tall and 22 inches [559 mm] deep.
- Versatile 4-way convertible design for upflow, downflow, horizontal left and horizontal right applications.
- Factory-installed high efficiency indoor coil.
- All models meet or exceed 330 to 400 CFM [156 to 189 L/s] per ton at .3 inches [.7 kPa] of external static pressure.
- Enhanced airflow up to .7" external static pressure.
- Sturdy construction with 1.0 Inch [.24 kPa] of reinforced foil faced jacket insulation for excellent thermal and sound insulation.
- Field-installed auxiliary electric heater kits provide exact heat for indoor comfort. Kits include circuit breakers which meet UL and cUL requirements for service disconnect.



RHLA/RHLL Electrical Data – with Electric Heat

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the table below is recommended for all auxiliary heating requirements.

Nominal Cooling Capacity Tons/ Cabinet Size	Rheem Model No.	Heater KW 208/240V	PH/NZ	No. Elements - KW Per	Type Supply Circuit Single Circuit Multiple Circuit	Circuit Amps.	Motor Ampacity	Minimum Circuit Ampacity	Maximum Circuit Protection
1½ & 2/ 17	RXBH-1724B03J/RXBH-17A03J	2.25/3.0	1/60	1 - 3.0	SINGLE	10.8/12.5	1.6	16/18	20/20
	RXBH-1724B05J/RXBH-17A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	1.6	24/27	25/30
	RXBH-1724B07J/RXBH-17A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	1.6	35/40	35/40
	RXBH-1724B10J/RXBH-17A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	1.6	46/52	50/60
	RXBH-17A13J	9.4/12.5	1/60	3-4.17	SINGLE	45.1/52.1	1.6	59/68	60/70
	RXBH-17A13J	3.1/4.2	1/60	1-4.17	MULTIPLE CKT 1	15.0/17.4	1.6	21/24	25/25
		6.3/8.3	1/60	2-4.17	MULTIPLE CKT 2	30.1/34.7	0	38/44	40/45
	RXBH-17A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	1.6	21/24	25/25
	RXBH-17A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	1.6	27/31	30/35
RXBH-17A13C	9.4/12.5	3/60	3 - 4.17	SINGLE	26.1/30.1	1.6	35/40	35/40	
2½ & 3/ 17	RXBH-17A03J	2.25/3.0	1/60	1 - 3.0	SINGLE	10.8/12.5	2.7	17/19	20/20
	RXBH-17A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	2.7	25/29	25/30
	RXBH-17A07J	5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	2.7	36/41	40/45
	RXBH-17A10J	7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	2.7	47/54	50/60
	RXBH-17A13J	9.4/12.5	1/60	3-4.17	SINGLE	45.1/52.1	2.7	60/69	60/70
	RXBH-17A13J	3.1/4.2	1/60	1-4.17	MULTIPLE CKT 1	15.0/17.4	2.7	23/26	25/30
		6.3/8.3	1/60	2-4.17	MULTIPLE CKT 2	30.1/34.7	0	38/44	40/45
	RXBH-17A15J	10.8/14.4	1/60	3-4.8	SINGLE	51.9/60.0	2.7	69/79	70/80
	RXBH-17A15J	3.6/4.8	1/60	1 - 4.8	MULTIPLE CKT 1	17.3/20.0	2.7	25/29	25/30
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0	44/50	45/50
	RXBH-17A18J	12.8/17.0	1/60	3-5.68	SINGLE	61.6/70.8	2.7	81/92	90/100
	RXBH-17A18J	4.3/5.7	1/60	1-5.68	MULTIPLE CKT 1	20.5/23.6	2.7	29/33	30/35
		8.5/11.3	1/60	2 - 5.68	MULTIPLE CKT 2	41.1/47.2	0	52/59	60/60
	RXBH-17A07C	5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	2.7	23/25	25/25
	RXBH-17A10C	7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	2.7	29/33	30/35
	RXBH-17A13C	9.4/12.5	3/60	3 - 4.17	SINGLE	26.1/30.1	2.7	36/41	40/45
	RXBH-17A15C	10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	2.7	41/47	45/50
	RXBH-17A18C	12.8/17.0	3/60	3-5.68	SINGLE	35.5/41.0	2.7	48/55	50/60
	3½ & 4/ 21	RXBH-1724B05J/RXBH-24A05J	3.6/4.8	1/60	1 - 4.8	SINGLE	17.3/20.0	3.8	27/30
RXBH-1724B07J/RXBH-24A07J		5.4/7.2	1/60	2 - 3.6	SINGLE	26.0/30.0	3.8	38/43	40/45
RXBH-1724B10J/RXBH-24A10J		7.2/9.6	1/60	2 - 4.8	SINGLE	34.6/40.0	3.8	48/55	50/60
RXBH-24A15J		10.8/14.4	1/60	3-4.8	SINGLE	51.9/60.0	3.8	70/80	70/80
RXBH-24A15J		3.6/4.8	1/60	1 - 4.8	MULTIPLE CKT 1	17.3/20.0	3.8	27/30	30/30
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0.0	44/50	45/50
RXBH-24A18J		12.8/17	1/60	4-4.26	SINGLE	61.6/70.8	3.8	82/94	90/100
RXBH-24A18J		6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 1	30.8/35.4	3.8	44/49	45/50
		6.4/8.5	1/60	2 - 4.26	MULTIPLE CKT 2	30.8/35.4	0.0	39/45	40/45
RXBH-24A20J		14.4/19.2	1/60	4-4.8	SINGLE	69.2/80	3.8	92/105	100/110
RXBH-24A20J		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 1	34.6/40.0	3.8	48/55	50/60
		7.2/9.6	1/60	2 - 4.8	MULTIPLE CKT 2	34.6/40.0	0.0	44/50	45/50
RXBH-24A25J		18.0/24.0	1/60	6-4.0	SINGLE	86.4/99.9	3.8	113/130	125/150
RXBH-24A25J (4-ton only)		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 1	28.8/33.3	3.8	41/47	45/50
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 2	28.8/33.3	0.0	36/42	40/45
		6.0/8.0	1/60	2 - 4.0	MULTIPLE CKT 3	28.8/33.3	0.0	36/42	40/45
RXBH-24A07C		5.4/7.2	3/60	3 - 2.4	SINGLE	15.0/17.3	3.8	24/27	25/30
RXBH-24A10C		7.2/9.6	3/60	3 - 3.2	SINGLE	20.0/23.1	3.8	30/34	30/35
RXBH-24A15C		10.8/14.4	3/60	3 - 4.8	SINGLE	30.0/34.6	3.8	43/48	45/50
RXBH-24A18C		12.8/17.0	3/60	3-2.84	SINGLE	35.6/41.0	3.8	50/56	50/60
RXBH-24A20C*		14.4/19.2	3/60	3-3.2	SINGLE	40.0/46.2	3.8	55/63	60/70
RXBH-24A20C		7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 1	20.0/23.1	3.8	30/34	30/35
		7.2/9.6	3/60	3 - 3.2	MULTIPLE CKT 2	20.0/23.1	0.0	25/29	25/30
RXBH-24A25C*		18.0/24.0	3/60	6-4.0	SINGLE	50.0/57.8	3.8	68/77	70/80
RXBH-24A25C (4-ton only)		9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 1	25.0/28.9	3.8	36/41	40/45
		9.0/12.0	3/60	3 - 4.0	MULTIPLE CKT 2	25.0/28.9	0.0	32/37	35/40

* Values only. No single point kit available.

• Supply circuit protective devices may be fused or "HACR" type circuit breakers.

• If non-standard fuse size is specified, use next size larger standard fuse size.

• If the kit is listed under both single and multiple circuits, the kit is shipped from factory as multiple circuits. For single phase application, Jumper bar kit RXBJ-A21 and RXBJ-A31 can be used to convert multiple circuits to a single supply circuit. Refer to Accessory Section for details.

• Largest motor load is included in single circuit or circuit 1 of multiple circuit.

• Heater loads are balanced on 3 PH. models with 3 or 6 heaters only.

• Electric heater BTUH - (heater watts + motor watts) x 3.414 (see airflow table for motor watts).

• No electrical heating elements are permitted to be used with "A" voltage (115V) air handler.

• J voltage (208/240V) single phase air handler is designed to be used with single or three phase 208/240V volt electric heaters. In the case of connecting 3 phase power to air handler terminal block without the heater, bring only two leads to terminal block. Cap, insulate and fully secure the third lead.

• Do not use 480V electrical heaters on 208/240V air handlers.

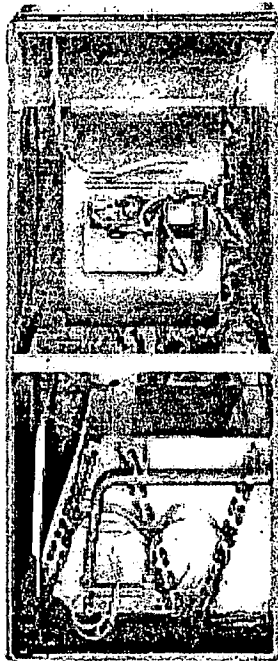
• Do not use 208/240V electrical heaters on 480V air handlers.

Engineering Features

RHLL/RHSL- Series

- The most compact unit design available, all standard heat air handler models only 42½ to 55½ inches [1079 to 1409 mm] high.
- Attractive pre-painted cabinet exterior.
- Rugged wall steel cabinet construction, designed for added strength and versatility.
- 1.0" foil faced insulation mechanically retained in blower compartment for excellent thermal and sound performance.
- Four leg blower motor mount.
- Blower housing with controls, motor and blower. Slide out design for service and maintenance convenience.
- Traditional open wire element design for heat applications.
- Field convertible for vertical downflow, horizontal left hand or right hand air supply.
- 3 combustible floor base accessories fit all model sizes when required for downflow installations on combustible floors.
- Indoor coil design provides low air side pressure drop, high performance and extremely compact size.
- Expansion valve on indoor coil provides for operation with air conditioning or heat pump using the same coil.
- Coils are constructed of aluminum fins bonded to internally grooved copper tubing.
- Molded polymer corrosion resistant condensate drain pan is provided on all indoor coils.
- Supply duct flanges provided as standard on air handler cabinet.
- Provisions for field electrical, connections available from either side or top of the air handler cabinet.
- Connection point for high voltage wiring is inside the air handler cabinet. Low voltage connection is made on the outside of the air handler cabinet.
- Concentric knockouts are provided for power connection to cabinet. Installer may pull desired hole size up to 2 inches [51 mm] for 1½ inch [38 mm] conduit.
- Front refrigerant and drain connections.

[] Designates Metric Conversions



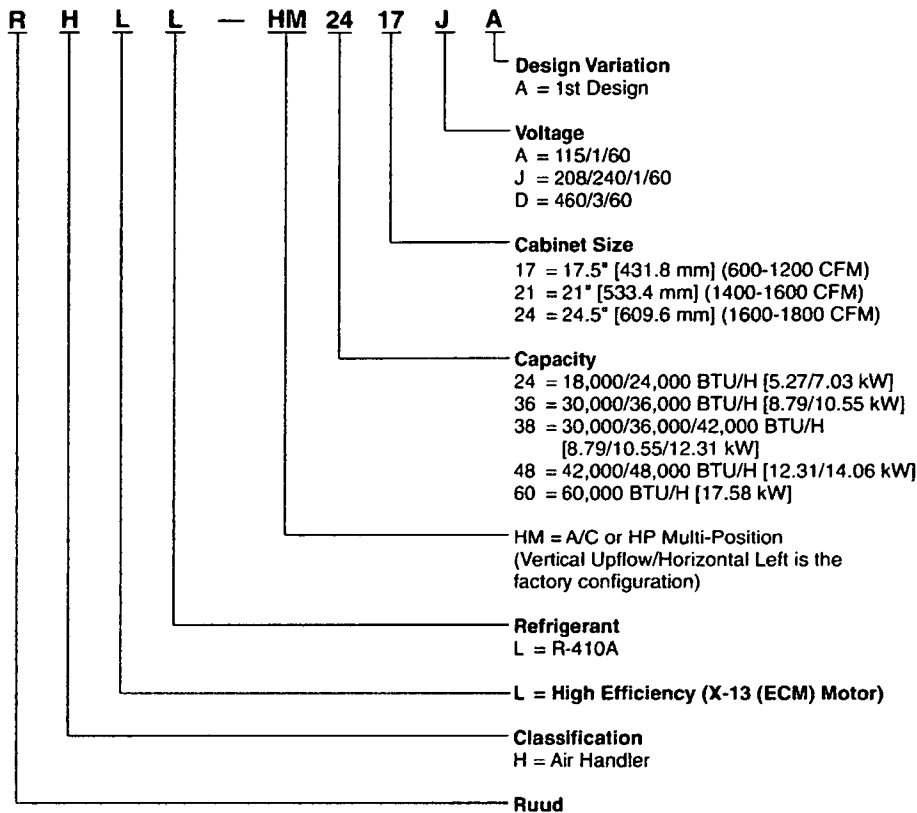
GENERAL TERMS OF LIMITED WARRANTY

Ruud will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

Conditional Parts (Registration Required) Ten (10) Years

For Complete Details of the Limited Warranty, Including Applicable Terms and Conditions, See Your Local Installer or Contact the Manufacturer for a Copy.

Model Identification

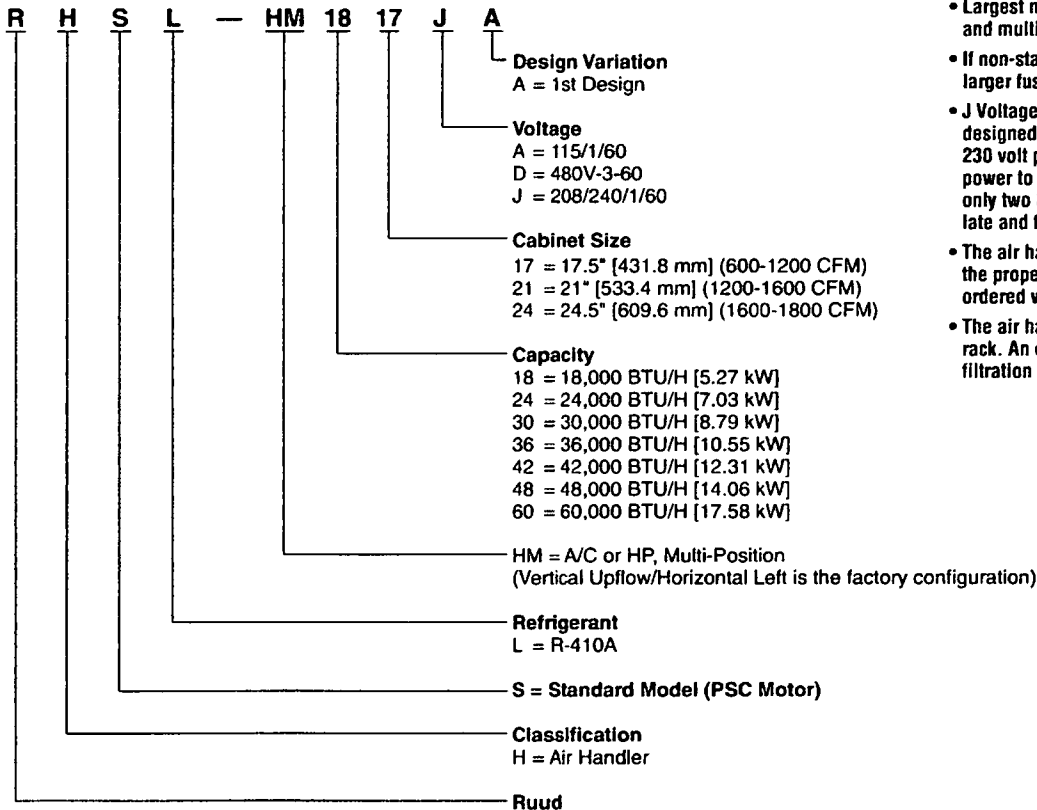


RHSL-HM1817AA	RHLL-HM2417AA
RHSL-HM2417AA	RHLL-HM3617AA
RHSL-HM3017AA	RHLL-HM4821AA
RHSL-HM3617AA	RHLL-HM4824AA
RHSL-HM4221AA	RHLL-HM6024AA
RHSL-HM4821AA	RHLL-HM3821AA

RHSL-HM1817JA	RHLL-HM2417JA
RHSL-HM2417JA	RHLL-HM3617JA
RHSL-HM3017JA	RHLL-HM4821JA
RHSL-HM3617JA	RHLL-HM4824JA
RHSL-HM3621JA	RHLL-HM6024JA
RHSL-HM4221JA	RHLL-HM3821JA
RHSL-HM4821JA	
RHSL-HM4824JA	
RHSL-HM6024JA*	

RHSL-HM3617DA
RHSL-HM4221DA
RHSL-HM4821DA
RHSL-HM4824DA
RHLL-HM6024DA
RHSL-HM6024DA

- Supply circuit protective devices may be fuses or "HACR" type circuit breakers.
- Largest motor load is included in single circuit and multiple circuit.
- If non-standard fuse size is specified, use the next larger fuse size.
- J Voltage (230V) single-phase air handler is designed to be used with single or three phase 230 volt power. In the case of connecting 3-phase power to the air handler terminal block, bring only two leads to the terminal block. Cap, insulate and fully secure the third lead.
- The air handlers are shipped from the factory with the proper indoor coil installed, and cannot be ordered without a coil.
- The air handlers do not have an internal filter rack. An external filter rack or other means of filtration is required.



[] Designates Metric Conversions

Unit Dimensions

ELECTRICAL CONNECTIONS
MAY EXIT TOP OR EITHER SIDE
HIGH VOLTAGE CONNECTION 1/4" [22.2 mm],
1 1/2" [27.8 mm], 1 1/2" [50 mm] DIA. KNOCKOUTS.

SUPPLY AIR ↑

NOTE: 24" CLEARANCE REQUIRED IN FRONT OF
UNIT FOR FILTER AND COIL MAINTENANCE.

LOW VOLTAGE CONNECTION
3/4" [15.9 mm] AND 7/8" [22.2 mm] KNOCKOUT

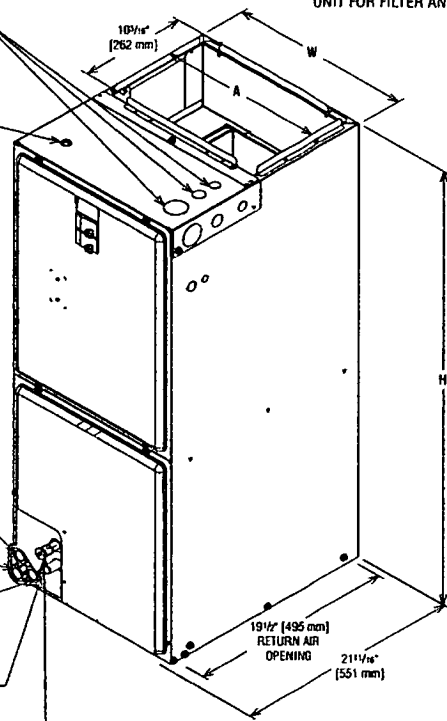
AUXILIARY DRAIN CONNECTION
1/2" [19.1 mm] FEMALE PIPE THREAD (NPT)
HORIZONTAL APPLICATION ONLY

PRIMARY DRAIN CONNECTION
1/2" [19.1 mm] FEMALE PIPE THREAD (NPT)

AUXILIARY DRAIN CONNECTION
1/2" [19.1 mm] FEMALE PIPE THREAD (NPT)
UPFLOW/DOWNFLOW APPLICATION ONLY

LIQUID LINE CONNECTION
COPPER (SWEAT)

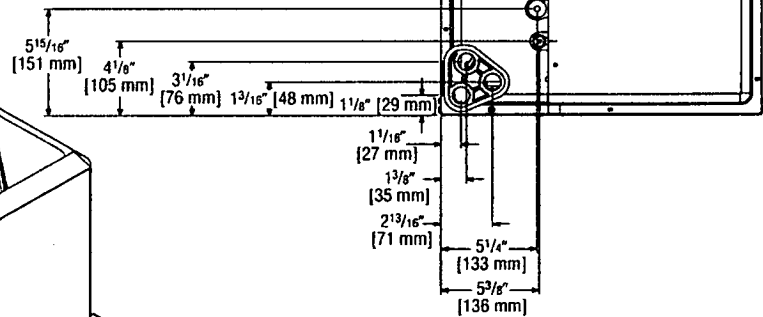
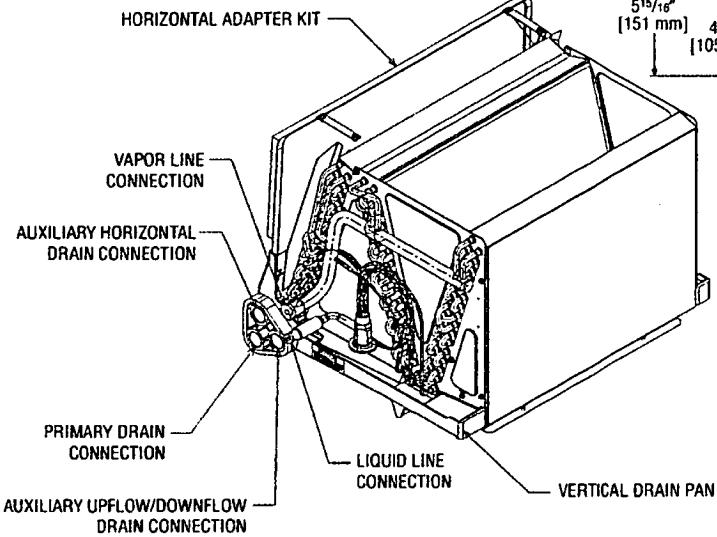
VAPOR LINE CONNECTION
COPPER (SWEAT)



UPFLOW UNIT SHOWN:
UNIT MAY BE INSTALLED UPFLOW, DOWNFLOW,
HORIZONTAL RIGHT OR LEFT AIR SUPPLY.

Return Air Opening Dimensions

Model Cabinet Size	Return Air Opening Width (Inches)	Return Air Opening Depth/Length (Inches)
17	15 7/8	19 3/4
21	19 3/8	19 3/4
24	22 7/8	19 3/4

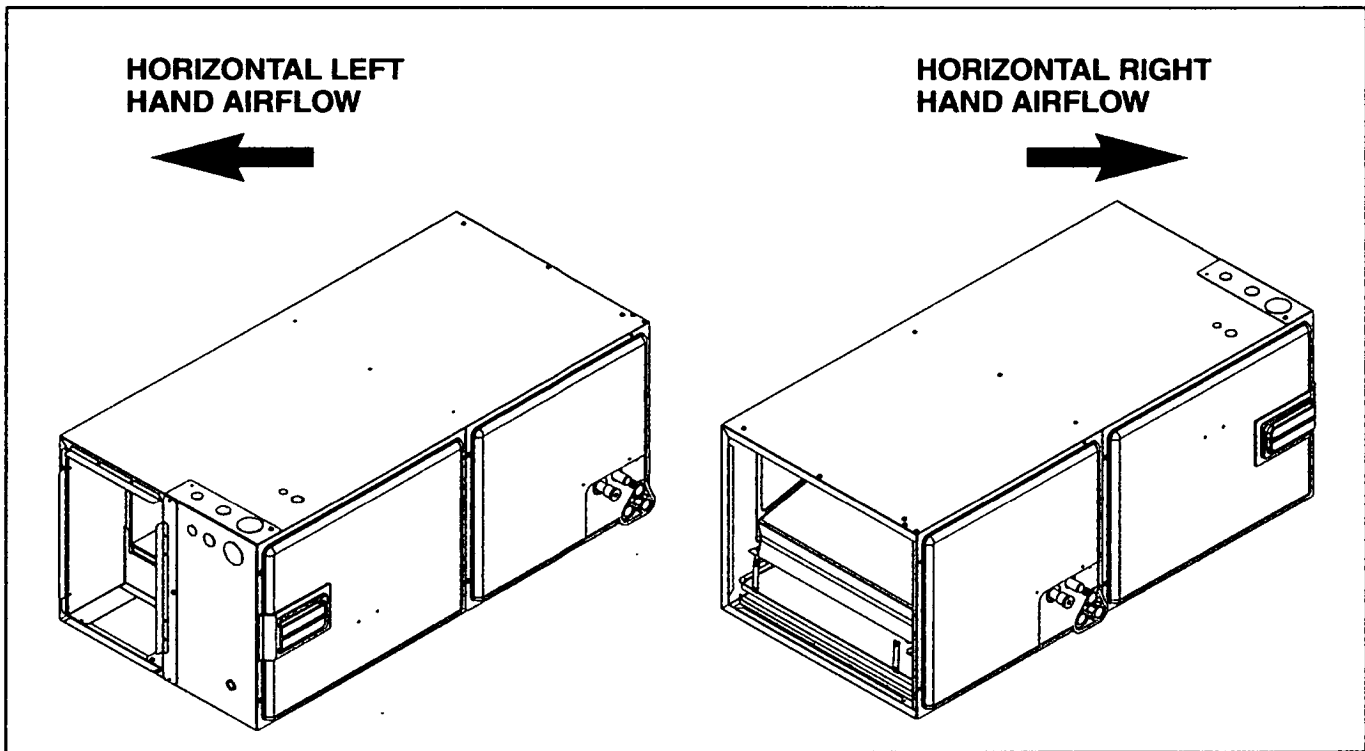
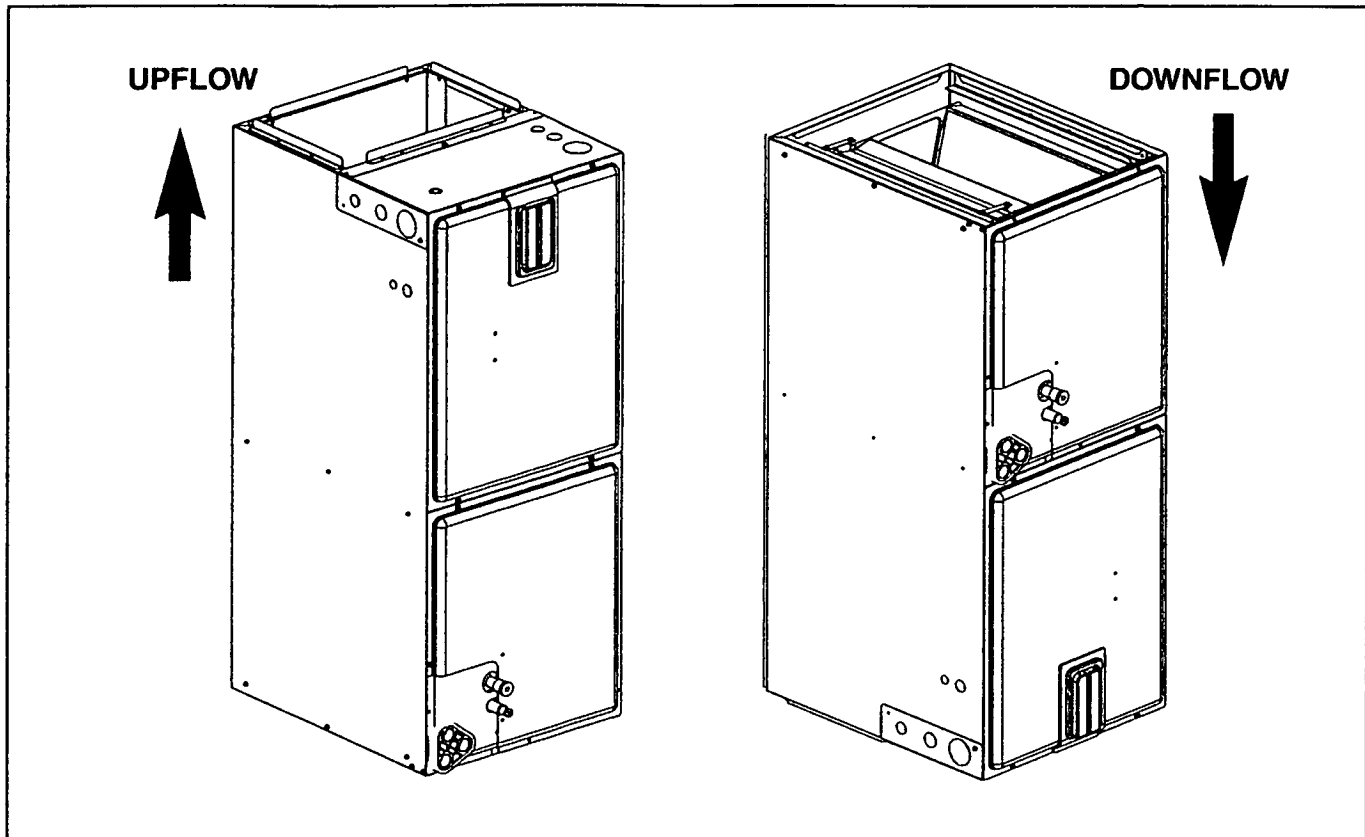


[] Designates Metric Conversions
() Designates Unit with Double Coil Cabinet

Unit Dimensions & Weights

Model Size RHLL & RHSL	Unit Width "W" In. (mm)	Unit Height "H" In. (mm)	Supply Duct "A" In. (mm)	Air Flow CFM (Nom.) (L/s)		Unit Weight/Shipping Weight (Lbs.) (kg) Unit With Coil (Max. KW)
				Lo	Hi	
1817/2417	17 1/2 [445]	42 1/2 [1080]	16 [406]	600 [283]	800 [378]	82/96 [37/44]
3017/3617	17 1/2 [445]	42 1/2 [1080]	16 [406]	1000 [472]	1200 [566]	92/106 [37/48]
3621	21 [533]	42 1/2 [1080]	19 1/2 [495]	1200 [566]	—	97/112 [44/51]
3821	21 [533]	50 1/2 [1282]	19 1/2 [495]	1000 [472]	1200 [566]	150/166 [68/75]
4221/4821	21 [533]	50 1/2 [1282]	19 1/2 [495]	1400 [661]	1600 [755]	150/166 [68/75]
4824	24 1/2 [622]	55 1/2 [1410]	23 [584]	1600 [755]	—	162/180 [73/81]
6024	24 1/2 [622]	55 1/2 [1410]	23 [584]	—	1800 [850]	181/198 [82/90]

Airflow Directions



Airflow Performance

Airflow performance data is based on cooling performance with a coil and no filter in place. Select performance table for appropriate unit size, voltage and number of electric heaters to be used. Make sure external static applied to unit allows operation within the minimum and maximum limits shown in table

below for both cooling and electric heat operation. For optimum blower performance, operate the unit in the .3 [8 mm] to .7 inches [18 mm] W.C. external static range. Units with coils should be applied with a minimum of .1 inch [3 mm] W.C. external static range.

Airflow Operating Limits

Model Cabinet Size	17		17/21		21			24	
Cooling BTUH x 1,000 Cooling Tons Nominal	-018 1.5	-024 2	-030 2.5	-036 3	-038 3.5	-042 3.5	-048 4	-048 4	-060 5
Heat Pump or Air Conditioning Maximum Heat/Cool CFM [L/s] (37.5 CFM [18 L/s]/1,000 BTUH) (450 CFM [212 L/s]/Ton Nominal)	675 [319]	900 [425]	1125 [531]	1350 [637]	1350 [637]	1575 [743]	1800 [850]	1800 [850]	1930 [911]
Heat Pump or Air Conditioning Nominal Heat/Cool CFM [L/s] (33.3 CFM [16 L/s]/1,000 BTUH) (400 CFM [189 L/s]/Ton Nominal)	600 [283]	800 [378]	1000 [472]	1200 [566]	1200 [566]	1400 [661]	1600 [755]	1600 [755]	1800 [850]
Heat Pump or Air Conditioning Minimum Heat/Cool CFM [L/s] (30.0 CFM [14 L/s]/1,200 BTUH) (360 CFM [170 L/s]/Ton Nominal)	540 [255]	720 [340]	900 [425]	1080 [510]	1080 [510]	1260 [595]	1440 [680]	1440 [680]	1620 [765]
Maximum kW Electric Heating & Minimum Electric Heat CFM [L/s]	13 487 [230]	13 617 [291]	18 814 [384]	18 1054 [497]	18 1042 [492]	20 1171 [553]	25 1502 [709]	25 1502 [709]	30 1666 [786]
Maximum Electric Heat Rise °F [°C]	80 [26.7]	63 [17.2]	66 [18.9]	51 [10.6]	52 [11.1]	49 [9.4]	50 [10]	50 [10]	54 [12.2]

[] Designates Metric Conversions

Performance Data @ ARI Standard Conditions—Cooling (con't.)

Model Numbers		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air					Sound Rating dB	Indoor CFM [L/s]	
Outdoor Unit 14AJM	Indoor Coil and/or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER			
Rev. 4/28/09	RCFL-H*2417 (UGFD-06?MCK?)	24,000 [7.0]	17,100 [5.0]	6,900 [2.0]	12.50	15.00	74	800 [378]	
	RCFL-H*2417 (UGFD-07?MCK?)	24,000 [7.0]	17,050 [5.0]	6,950 [2.0]	13.00	15.50	74	800 [378]	
	RCFL-H*2417 (UGGD-06?MCK?)	24,200 [7.1]	17,250 [5.1]	6,950 [2.0]	13.00	15.50	74	800 [378]	
	RCFL-H*2417 (UGGD-07?MCK?)	24,000 [7.0]	17,050 [5.0]	6,950 [2.0]	13.00	15.50	74	800 [378]	
	RCFL-H*2417 (UGJD-06?MCK?)	24,200 [7.1]	17,250 [5.1]	6,950 [2.0]	13.00	15.50	74	800 [378]	
	RCFL-H*2417 (UGJD-07?MCK?)	24,000 [7.0]	17,050 [5.0]	6,950 [2.0]	13.00	15.50	74	800 [378]	
	RCFL-H*2417 (UGLR-07?AMK?)	24,200 [7.1]	17,250 [5.1]	6,950 [2.0]	13.00	16.00	74	800 [378]	
	RCFL-H*2417 (UGPR-05?BMK?)	24,000 [7.0]	17,050 [5.0]	6,950 [2.0]	13.00	15.50	74	775 [366]	
	RCFL-H*2417 (UGPR-07?AMK?)	24,200 [7.1]	17,250 [5.1]	6,950 [2.0]	13.00	16.00	74	800 [378]	
	RCHL-24A2	23,000 [6.7]	15,900 [4.7]	7,100 [2.1]	11.50	13.50	74	800 [378]	
	RBHP-17 (RCHL-24A2)	23,400 [6.9]	16,150 [4.7]	7,250 [2.1]	12.50	15.00	74	825 [389]	
	24	RCHL-24A2 (UGFD-06?MCK?)	23,400 [6.9]	16,150 [4.7]	7,250 [2.1]	12.50	15.00	74	800 [378]
		RCHL-24A2 (UGFD-07?MCK?)	23,400 [6.9]	16,150 [4.7]	7,250 [2.1]	12.50	15.00	74	800 [378]
		RCHL-24A2 (UGGD-06?MCK?)	23,600 [6.9]	16,300 [4.8]	7,300 [2.1]	13.00	15.50	74	800 [378]
		RCHL-24A2 (UGGD-07?MCK?)	23,600 [6.9]	16,350 [4.8]	7,250 [2.1]	13.00	15.00	74	800 [378]
		RCHL-24A2 (UGJD-06?MCK?)	23,600 [6.9]	16,300 [4.8]	7,300 [2.1]	13.00	15.50	*74	800 [378]
		RCHL-24A2 (UGJD-07?MCK?)	23,600 [6.9]	16,350 [4.8]	7,250 [2.1]	13.00	15.00	74	800 [378]
		RCHL-24A2 (UGLR-07?AMK?)	23,600 [6.9]	16,300 [4.8]	7,300 [2.1]	13.00	15.50	74	800 [378]
		RCHL-24A2 (UGPR-05?BMK?)	23,400 [6.9]	16,150 [4.7]	7,250 [2.1]	12.50	15.00	74	775 [366]
		RCHL-24A2 (UGPR-07?AMK?)	23,600 [6.9]	16,300 [4.8]	7,300 [2.1]	13.00	15.50	74	800 [378]
RHKL-HM2417 (RCSL-H*2417)		24,400 [7.1]	17,550 [5.1]	6,850 [2.0]	13.00	16.00	74	850 [401]	
RHKL-HM2417 (RCSL-H*2417)		24,400 [7.1]	17,400 [5.1]	7,000 [2.1]	13.50	16.50	74	775 [366]	
RHSL-HM2417 (RCSL-H*2417)		23,800 [7.0]	16,950 [5.0]	6,850 [2.0]	12.50	14.50	74	800 [378]	
30	RCFL-H*3617+RXMD-C04	28,200 [8.3]	20,250 [5.9]	7,950 [2.3]	12.00	14.50	76	950 [448]	
	RCFL-A*3617 (UGFD-07?MCK?)	28,800 [8.4]	20,950 [6.1]	7,850 [2.3]	12.50	15.00	76	1,000 [472]	
	RCFL-A*3617 (UGGD-06?MCK?)	28,800 [8.4]	20,900 [6.1]	7,900 [2.3]	12.50	15.00	76	1,000 [472]	
	RCFL-A*3617 (UGGD-07?MCK?)	28,800 [8.4]	21,000 [6.2]	7,800 [2.3]	12.50	15.00	76	1,025 [484]	
	RCFL-A*3617 (UGLR-07?AMK?)	29,000 [8.5]	21,150 [6.2]	7,850 [2.3]	13.00	15.00	76	1,025 [484]	
	RCFL-A*3617 (UGPR-07?AMK?)	29,000 [8.5]	21,100 [6.2]	7,900 [2.3]	13.00	15.00	76	1,000 [472]	
	RCFL-A*3617+RXMD-C04	28,200 [8.3]	20,250 [5.9]	7,950 [2.3]	12.00	14.50	76	950 [448]	
	RCFL-A*3621 (UGFD-07?MCK?)	28,800 [8.4]	20,950 [6.1]	7,850 [2.3]	12.50	15.00	76	1,000 [472]	
	RCFL-A*3621 (UGGD-06?MCK?)	28,800 [8.4]	20,900 [6.1]	7,900 [2.3]	12.50	15.00	76	1,000 [472]	
	RCFL-A*3621 (UGGD-07?MCK?)	28,800 [8.4]	21,000 [6.2]	7,800 [2.3]	12.50	15.00	76	1,025 [484]	
	RCFL-A*3621 (UGLR-07?AMK?)	29,000 [8.5]	21,150 [6.2]	7,850 [2.3]	13.00	15.00	76	1,025 [484]	
	RCFL-A*3621 (UGPR-07?AMK?)	29,000 [8.5]	21,100 [6.2]	7,900 [2.3]	13.00	15.00	76	1,000 [472]	
	RCFL-A*3621+RXMD-C04	28,200 [8.3]	20,250 [5.9]	7,950 [2.3]	12.00	14.50	76	950 [448]	
	RCFL-H*3617 (UGFD-07?MCK?)	28,800 [8.4]	20,950 [6.1]	7,850 [2.3]	12.50	15.00	76	1,000 [472]	
	RCFL-H*3617 (UGGD-06?MCK?)	28,800 [8.4]	20,900 [6.1]	7,900 [2.3]	12.50	15.00	76	1,000 [472]	
	RCFL-H*3617 (UGGD-07?MCK?)	28,800 [8.4]	21,000 [6.2]	7,800 [2.3]	12.50	15.00	76	1,025 [484]	
	RCFL-H*3617 (UGJD-06?MCK?)	28,800 [8.4]	20,900 [6.1]	7,900 [2.3]	12.50	15.00	76	1,000 [472]	
	RCFL-H*3617 (UGJD-07?MCK?)	28,800 [8.4]	21,000 [6.2]	7,800 [2.3]	12.50	15.00	76	1,025 [484]	
	RCFL-H*3617 (UGLR-07?AMK?)	29,000 [8.5]	21,150 [6.2]	7,850 [2.3]	13.00	15.00	76	1,025 [484]	
	RCFL-H*3617 (UGPR-07?AMK?)	29,000 [8.5]	21,100 [6.2]	7,900 [2.3]	13.00	15.00	76	1,000 [472]	

⊙ Highest sales volume tested combination required by D.O.E. test procedures.

[*] Designates Metric Conversions

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: DONLIN RESIDENCE Address: 53 South Swell's Point Road City, State: SEWALLS POINT, Owner: Climate Zone: South	Builder: Permitting Office: Permit Number: Jurisdiction Number:
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<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">1. New construction or existing</td> <td style="width: 20%; text-align: right;">New</td> <td style="width: 5%; text-align: center;">—</td> </tr> <tr> <td>2. Single family or multi-family</td> <td style="text-align: right;">Single family</td> <td style="text-align: center;">—</td> </tr> <tr> <td>3. Number of units, if multi-family</td> <td style="text-align: right;">1</td> <td style="text-align: center;">—</td> </tr> <tr> <td>4. Number of Bedrooms</td> <td style="text-align: right;">4</td> <td style="text-align: center;">—</td> </tr> <tr> <td>5. Is this a worst case?</td> <td style="text-align: right;">No</td> <td style="text-align: center;">—</td> </tr> <tr> <td>6. Conditioned floor area (ft²)</td> <td style="text-align: right;">2730 ft²</td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)</td> </tr> <tr> <td style="padding-left: 20px;">a. U-factor:</td> <td style="padding-left: 20px;">Description Area</td> <td></td> </tr> <tr> <td style="padding-left: 40px;">(or Single or Double DEFAULT)</td> <td style="padding-left: 40px;">7a. (Single Default) 291.0 ft²</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">b. SHGC:</td> <td style="padding-left: 20px;">7b. (Clear) 291.0 ft²</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 40px;">(or Clear or Tint DEFAULT)</td> <td></td> <td></td> </tr> <tr> <td colspan="3">8. Floor types</td> </tr> <tr> <td style="padding-left: 20px;">a. Slab-On-Grade Edge Insulation</td> <td style="padding-left: 20px;">R=0.0, 208.0(p) ft</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">b. N A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">c. N A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">9. Wall types</td> </tr> <tr> <td style="padding-left: 20px;">a. Frame, Wood, Exterior</td> <td style="padding-left: 20px;">R=11.0, 1378.5 ft²</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">b. Frame, Wood, Adjacent</td> <td style="padding-left: 20px;">R=11.0, 317.0 ft²</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">c. N A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">d. N A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">e. N A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">10. Ceiling types</td> </tr> <tr> <td style="padding-left: 20px;">a. Under Attic</td> <td style="padding-left: 20px;">R=19.0, 2729.8 ft²</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">b. N A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">c. N A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">11. Ducts</td> </tr> <tr> <td style="padding-left: 20px;">a. Sup: Unc. Ret: Unc. AH: Interior</td> <td style="padding-left: 20px;">Sup. R=6.0, 250.0 ft</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">b. N A</td> <td></td> <td style="text-align: center;">—</td> </tr> </table>	1. New construction or existing	New	—	2. Single family or multi-family	Single family	—	3. Number of units, if multi-family	1	—	4. Number of Bedrooms	4	—	5. Is this a worst case?	No	—	6. Conditioned floor area (ft ²)	2730 ft ²	—	7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)			a. U-factor:	Description Area		(or Single or Double DEFAULT)	7a. (Single Default) 291.0 ft ²	—	b. SHGC:	7b. (Clear) 291.0 ft ²	—	(or Clear or Tint DEFAULT)			8. Floor types			a. Slab-On-Grade Edge Insulation	R=0.0, 208.0(p) ft	—	b. N A		—	c. N A		—	9. Wall types			a. Frame, Wood, Exterior	R=11.0, 1378.5 ft ²	—	b. Frame, Wood, Adjacent	R=11.0, 317.0 ft ²	—	c. N A		—	d. N A		—	e. N A		—	10. Ceiling types			a. Under Attic	R=19.0, 2729.8 ft ²	—	b. N A		—	c. N A		—	11. Ducts			a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 250.0 ft	—	b. N A		—	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">12. Cooling systems</td> <td style="width: 40%;"></td> <td style="width: 30%;"></td> </tr> <tr> <td style="padding-left: 20px;">a. Central Unit</td> <td></td> <td style="text-align: right;">Cap: 49.0 kBtu hr SEER: 12.40</td> </tr> <tr> <td style="padding-left: 20px;">b. N A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">c. N A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">13. Heating systems</td> </tr> <tr> <td style="padding-left: 20px;">a. Electric Heat Pump</td> <td></td> <td style="text-align: right;">Cap: 49.0 kBtu hr HSPF: 8.30</td> </tr> <tr> <td style="padding-left: 20px;">b. N A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">c. N A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">14. Hot water systems</td> </tr> <tr> <td style="padding-left: 20px;">a. Electric Resistance</td> <td></td> <td style="text-align: right;">Cap: 50.0 gallons EF: 0.93</td> </tr> <tr> <td style="padding-left: 20px;">b. N A</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td style="padding-left: 20px;">c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)</td> <td></td> <td style="text-align: center;">—</td> </tr> <tr> <td colspan="3">15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)</td> </tr> </table>	12. Cooling systems			a. Central Unit		Cap: 49.0 kBtu hr SEER: 12.40	b. N A		—	c. N A		—	13. Heating systems			a. Electric Heat Pump		Cap: 49.0 kBtu hr HSPF: 8.30	b. N A		—	c. N A		—	14. Hot water systems			a. Electric Resistance		Cap: 50.0 gallons EF: 0.93	b. N A		—	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		—	15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		
1. New construction or existing	New	—																																																																																																																										
2. Single family or multi-family	Single family	—																																																																																																																										
3. Number of units, if multi-family	1	—																																																																																																																										
4. Number of Bedrooms	4	—																																																																																																																										
5. Is this a worst case?	No	—																																																																																																																										
6. Conditioned floor area (ft ²)	2730 ft ²	—																																																																																																																										
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9. Wall types																																																																																																																												
a. Frame, Wood, Exterior	R=11.0, 1378.5 ft ²	—																																																																																																																										
b. Frame, Wood, Adjacent	R=11.0, 317.0 ft ²	—																																																																																																																										
c. N A		—																																																																																																																										
d. N A		—																																																																																																																										
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Glass/Floor Area: 0.11	Total as-built points: 33028	PASS
	Total base points: 42219	

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

PREPARED BY: _____

DATE: _____

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

OWNER/AGENT: _____

DATE: 1.2.11

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____



1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.0)

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , SEWALLS POINT, ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , SEWALLS POINT, ,	PERMIT #:
-----------------------------	-----------

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	X Multiplier	X Credit Multiplier	= Total
4		2273.00	9092.0	50.0	0.93	4		1.00	2248.56	1.00	8994.2
As-Built Total:											8994.2

CODE COMPLIANCE STATUS											
BASE					AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points
31963		1164		9092	42219	22928		1106		8994	33028

PASS



WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , SEWALLS POINT, ,	PERMIT #:
-----------------------------	-----------

BASE			AS-BUILT					
Winter Base Points: 1855.5			Winter As-Built Points: 2367.2					
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
1855.5	0.6274	1164.1	(sys 1: Electric Heat Pump 49000 btuh .EFF(8.3) Ducts:Unc(S),Unc(R),Int(AH),R6.0 2367.2	1.000	(1.099 x 1.137 x 0.91)	0.411	1.000	1105.9
1855.5	0.6274	1164.1	2367.2	1.00	1.137	0.411	1.000	1105.9

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , SEWALLS POINT, ,	PERMIT #:
-----------------------------	-----------

BASE	AS-BUILT
Summer Base Points: 74924.0	Summer As-Built Points: 74109.0
Total Summer X System = Cooling Points Multiplier Points	Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points <small>(System - Points) (DM x DSM x AHU)</small>
74924.0 0.4266 31962.6	<small>(sys 1: Central Unit 49000 btuh ,SEER/EFF(12.4) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)</small> 74109 1.00 (1.07 x 1.165 x 0.90) 0.275 1.000 22928.3 74109.0 1.00 1.125 0.275 1.000 22928.3

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , SEWALLS POINT, ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	2730.0	32.50	15970.5	Single, Clear	E	5.0	5.0	60.0	78.71	0.53	2516.5
				Single, Clear	E	5.0	4.0	16.0	78.71	0.48	599.7
				Single, Clear	S	1.5	6.0	72.0	66.93	0.87	4212.2
				Single, Clear	E	5.0	2.0	18.0	78.71	0.37	530.3
				Single, Clear	W	6.0	5.0	45.0	70.53	0.52	1640.7
				Single, Clear	W	0.0	0.0	8.0	70.53	1.00	564.2
				Single, Clear	W	5.0	5.0	30.0	70.53	0.56	1189.6
				Single, Clear	N	1.5	5.0	30.0	36.46	0.92	1004.4
				Single, Clear	N	1.5	4.0	12.0	36.46	0.88	386.5
				As-Built Total:				291.0	12644.1		
WALL TYPES				Type	R-Value	Area X SPM		= Points			
Adjacent	317.0	1.00	317.0	Frame, Wood, Exterior	11.0	1378.5	2.70	3721.9			
Exterior	1378.5	2.70	3721.9	Frame, Wood, Adjacent	11.0	317.0	1.00	317.0			
Base Total:	1695.5		4038.9	As-Built Total:				1695.5	4038.9		
DOOR TYPES				Type	Area X SPM		= Points				
Adjacent	0.0	0.00	0.0	Exterior Insulated	21.0		6.40	134.4			
Exterior	21.0	6.40	134.4								
Base Total:	21.0		134.4	As-Built Total:				21.0	134.4		
CEILING TYPES				Type	R-Value	Area X SPM X SCM		= Points			
Under Attic	2729.8	2.80	7643.4	Under Attic	19.0	2729.8	3.72 X 1.00	10154.9			
Base Total:	2729.8		7643.4	As-Built Total:				2729.8	10154.9		
FLOOR TYPES				Type	R-Value	Area X SPM		= Points			
Slab	208.0(p)	-20.0	-4160.0	Slab-On-Grade Edge Insulation	0.0	208.0(p)	-20.00	-4160.0			
Raised	0.0	0.00	0.0								
Base Total:			-4160.0	As-Built Total:				208.0	-4160.0		
INFILTRATION				Area X BSPM = Points		Area X SPM		= Points			
	2730.0	18.79	51296.7			2730.0	18.79	51296.7			

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.3

The higher the score, the more efficient the home.

, , SEWALLS POINT , ,

<p>1. New construction or existing New <input type="checkbox"/></p> <p>2. Single family or multi-family Single family <input type="checkbox"/></p> <p>3. Number of units, if multi-family 1 <input type="checkbox"/></p> <p>4. Number of Bedrooms 4 <input type="checkbox"/></p> <p>5. Is this a worst case? No <input type="checkbox"/></p> <p>6. Conditioned floor area (ft²) 2730 ft² <input type="checkbox"/></p> <p>7. Glass type¹ and area: (Label req'd. by 13-104.4.5 if not default)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">a. U-factor:</td> <td style="width: 30%;">Description</td> <td style="width: 30%;">Area</td> <td style="width: 10%;"></td> </tr> <tr> <td>(or Single or Double DEFAULT)</td> <td>7a. (Single Default)</td> <td>291.0 ft²</td> <td><input type="checkbox"/></td> </tr> <tr> <td>b. SHGC:</td> <td>7b. (Clear)</td> <td>291.0 ft²</td> <td><input type="checkbox"/></td> </tr> <tr> <td>(or Clear or Tint DEFAULT)</td> <td></td> <td></td> <td></td> </tr> </table> <p>8. Floor types</p> <p>a. Slab-On-Grade Edge Insulation R=0.0, 208.0(p) ft <input type="checkbox"/></p> <p>b. N A <input type="checkbox"/></p> <p>c. N A <input type="checkbox"/></p> <p>9. Wall types</p> <p>a. Frame, Wood, Exterior R=11.0, 1378.5 ft² <input type="checkbox"/></p> <p>b. Frame, Wood, Adjacent R=11.0, 317.0 ft² <input type="checkbox"/></p> <p>c. N A <input type="checkbox"/></p> <p>d. N A <input type="checkbox"/></p> <p>e. N A <input type="checkbox"/></p> <p>10. Ceiling types</p> <p>a. Under Attic R=19.0, 2729.8 ft² <input type="checkbox"/></p> <p>b. N A <input type="checkbox"/></p> <p>c. N A <input type="checkbox"/></p> <p>11. Ducts</p> <p>a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 250.0 ft <input type="checkbox"/></p> <p>b. N A <input type="checkbox"/></p>	a. U-factor:	Description	Area		(or Single or Double DEFAULT)	7a. (Single Default)	291.0 ft ²	<input type="checkbox"/>	b. SHGC:	7b. (Clear)	291.0 ft ²	<input type="checkbox"/>	(or Clear or Tint DEFAULT)				<p>12. Cooling systems</p> <p>a. Central Unit Cap: 49.0 kBtu hr <input type="checkbox"/></p> <p style="padding-left: 20px;">SEER: 12.40 <input type="checkbox"/></p> <p>b. N A <input type="checkbox"/></p> <p>c. N A <input type="checkbox"/></p> <p>13. Heating systems</p> <p>a. Electric Heat Pump Cap: 49.0 kBtu hr <input type="checkbox"/></p> <p style="padding-left: 20px;">HSPF: 8.30 <input type="checkbox"/></p> <p>b. N A <input type="checkbox"/></p> <p>c. N A <input type="checkbox"/></p> <p>14. Hot water systems</p> <p>a. Electric Resistance Cap: 50.0 gallons <input type="checkbox"/></p> <p style="padding-left: 20px;">EF: 0.93 <input type="checkbox"/></p> <p>b. N A <input type="checkbox"/></p> <p>c. Conservation credits <input type="checkbox"/></p> <p style="padding-left: 20px;">(HR-Heat recovery, Solar DHP-Dedicated heat pump)</p> <p>15. HVAC credits <input type="checkbox"/></p> <p style="padding-left: 20px;">(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)</p>
a. U-factor:	Description	Area															
(or Single or Double DEFAULT)	7a. (Single Default)	291.0 ft ²	<input type="checkbox"/>														
b. SHGC:	7b. (Clear)	291.0 ft ²	<input type="checkbox"/>														
(or Clear or Tint DEFAULT)																	

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321 638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850 487-1824.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.0)

2032 GIFFEN AVE, PORT ST. LUCIE, FL 34952 Phone: 772 335-4531 Fax: 772 335-0178

Project Information

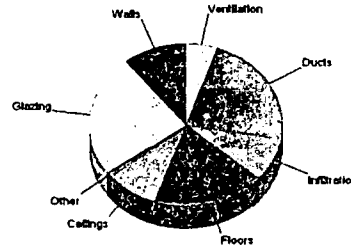
For: DONLIN RESIDENCE
SEWALLS POINT, FL

Design Conditions

Location: West Palm Beach, FL, US Elevation: 20 ft Latitude: 27°N		Indoor: Indoor temperature (°F) 70 Design TD (°F) 25 Relative humidity (%) 30 Moisture difference (gr/lb) -2.7		Heating 70	Cooling 75
Outdoor: Dry bulb (°F) Daily range (°F) Wet bulb (°F) Wind speed (mph)	Heating 45	Cooling 91	(L)		
	15.0	7.5			
			Infiltration: Method Simplified Construction quality Average Fireplaces 0		

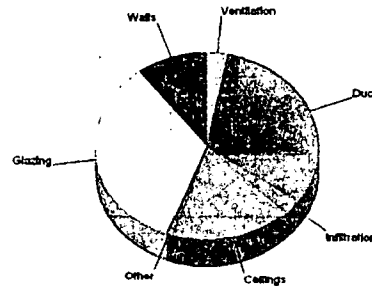
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.4	4064	10.7
Glazing	31.8	9239	24.4
Doors	15.0	315	0.8
Ceilings	1.2	3344	8.8
Floors	2.6	7062	18.7
Infiltration	2.0	3307	8.7
Ducts		8549	22.6
Piping		0	0.0
Humidification		0	0.0
Ventilation		1964	5.2
Adjustments		0	
Total		37844	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.5	4281	10.3
Glazing	48.5	14118	33.9
Doors	18.6	390	0.9
Ceilings	2.7	7283	17.5
Floors	0.0	0	0.0
Infiltration	0.6	1058	2.5
Ducts		13283	31.9
Ventilation		1257	3.0
Internal gains		0	0.0
Blower		0	0.0
Adjustments		0	0.0
Total		41670	100.0



Overall U-value = 0.129 Btuh/ft²·°F

Data entries checked.

Bold/italic values have been manually overridden



Component Constructions
Entire House
D.S. AIR CONDITIONING

Job:
 Date: NOV. 2006
 By:

2032 GIFFEN AVE, PORT ST. LUCIE, FL 34952 Phone: 772 335-4531 Fax: 772 335-0178

Project Information

For: DONLIN RESIDENCE
 SEWALLS POINT, FL

Design Conditions

Location:		Indoor:		Heating	Cooling
West Palm Beach, FL, US		Indoor temperature (°F)		70	75
Elevation: 20 ft		Design TD (°F)		25	16
Latitude: 27°N		Relative humidity (%)		30	50
		Moisture difference (gr/lb)		-2.7	57.2
Outdoor:	Heating	Cooling	Infiltration:		
Dry bulb (°F)	45	91	Method	Simplified	
Daily range (°F)	-	13 (L)	Construction quality	Average	
Wet bulb (°F)	-	78	Fireplaces	0	
Wind speed (mph)	15.0	7.5			

Construction descriptions

	Or	Area (ft²)	U-value (Btuh/ft²·°F)	Insul R (ft²·F/Btuh)	Htg HTM (Btuh/ft²)	Loss (Btuh)	Clg HTM (Btuh/ft²)	Gain (Btuh)
Walls								
12B-0sw: Wood stud frame, siding or stucco, no board insulation, R-11 cavity insulation	n	338	0.097	11.0	2.43	820	2.77	936
	e	490	0.097	11.0	2.43	1188	2.77	1357
	s	226	0.097	11.0	2.43	547	2.77	624
	w	325	0.097	11.0	2.43	788	2.77	900
	all	1379	0.097	11.0	2.43	3343	2.77	3818
Partitions								
12C-0sw: Wood stud frame, siding or stucco, no board insulation, R-13 cavity insulation		317	0.091	13.0	2.27	721	1.46	463
Windows								
1A-c10m: Operable, metal frame, no break, clear glass, 1 pane; 1.5 ft overhang	n	30	1.270	0.0	31.8	953	36.0	1081
	n	12	1.270	0.0	31.8	381	36.0	433
	s	72	1.270	0.0	31.8	2286	36.0	2595
	all	114	1.270	0.0	31.8	3620	36.0	4109
1A-c10m: Operable, metal frame, no break, clear glass, 1 pane; 5 ft overhang	e	60	1.270	0.0	31.8	1905	45.6	2737
	e	16	1.270	0.0	31.8	508	36.0	577
	e	18	1.270	0.0	31.8	572	36.0	649
	w	30	1.270	0.0	31.8	953	45.6	1369
	all	124	1.270	0.0	31.8	3937	43.0	5332
1A-c10m: Operable, metal frame, no break, clear glass, 1 pane; 6 ft overhang	w	45	1.270	0.0	31.8	1429	36.3	1632
1A-c10m: Operable, metal frame, no break, clear glass, 1 pane	w	8	1.270	0.0	31.8	254	92.4	739
Doors								
11J0: Metal door, fiberglass core, no storm	w	21	0.600	0.0	15.0	315	18.6	390
Ceilings								
16B-19ad: Ceiling under vented attic, no radiant barrier, dark shingles, R-19 insulation		2730	0.049	19.0	1.23	3344	2.67	7283
Floors								
22A-lph: Tile covered slab on grade, heavy moist soil, No edge insul, No horiz insul		208	1.358	0.0	34.0	7062	0.00	0

Bold/italic values have been manually overridden

Project Information

For: DONLIN RESIDENCE
SEWALLS POINT, FL

Notes:

Design Information

Weather: West Palm Beach, FL, US

Winter Design Conditions

Outside db **45** °F
Inside db 70 °F
Design TD 25 °F

Summer Design Conditions

Outside db **91** °F
Inside db 75 °F
Design TD 16 °F
Daily range L
Relative humidity 50 %
Moisture difference 57 gr/lb

Heating Summary

Structure 27331 Btuh
Ducts 8549 cfm
Central vent (71 cfm) 1964 Btuh
Humidification 0 Btuh
Piping 0 Btuh
Equipment load 37844 Btuh

Sensible Cooling Equipment Load Sizing

Structure 27130 Btuh
Ducts 13283 Btuh
Central vent (71 cfm) 1257 Btuh
Blower 0 Btuh
Use manufacturer's data n
Rate/swing multiplier 0.96
Equipment sensible load 40004 Btuh

Infiltration

Method Simplified
Construction quality Average
Fireplaces 0

	Heating	Cooling
Area (ft ²)	2730	2730
Volume (ft ³)	22566	22566
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	120	60

Latent Cooling Equipment Load Sizing

Structure 2339 Btuh
Ducts 3446 Btuh
Central vent (71 cfm) 2777 Btuh
Equipment latent load 8562 Btuh
Equipment total load 48566 Btuh
Req. total capacity at 0.70 SHR 4.8 ton

Heating Equipment Summary

Make
Trade
Model

Efficiency 100 EFF
Heating input 0 Btuh
Heating output 37844 Btuh
Temperature rise 22 °F
Actual air flow 1600 cfm
Air flow factor 0.045 cfm/Btuh
Static pressure 0.00 in H2O
Space thermostat

Cooling Equipment Summary

Make Lennox
Trade Elite 12
Cond HS 26048 DP
Coil CB30MV-51*P

Efficiency 12.4 EER
Sensible cooling 40950 Btuh
Latent cooling 17550 Btuh
Total cooling 58500 Btuh
Actual air flow **1600** cfm
Air flow factor 0.040 cfm/Btuh
Static pressure 0.00 in H2O
Load sensible heat ratio 0.83

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

TOWN OF SEWALLS POINT

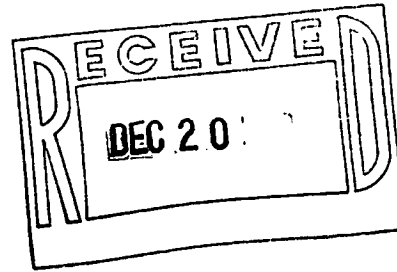
BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection Mon Tue Wed Thur Fri **2-15-11** Page **1** of **1**

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9478	Gesser 53 S Sewalls James Thomas	AC ducts	Pass	INSPECTOR <i>JH</i>
9479	Gesser 53 S Sewalls James Thomas	Final Poul Egg A Aco	Pass	INSPECTOR <i>JH</i>
9683	Sharfi 73 S Sewalls Mosley	Pre-Pour driveway	Pass	INSPECTOR <i>JH</i>
9701	Gesser 53 S Sewalls	Final AC	Pass	INSPECTOR <i>JH</i>
9702	Pruene 101 S Sewalls Masterpiece	Final Chimney repair	Pass	INSPECTOR <i>JH</i>
				INSPECTOR
				INSPECTOR

CORRESPONDENCE

December 17, 1999

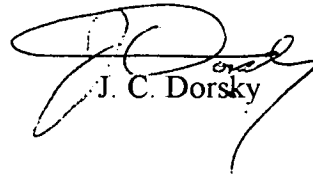


Town Manager's Memorandum:

To: Building Official

Subject: Possible Code Violation

Mrs. Carol Gesser of 53^{S.} Sewall's Point Rd. advises me that the house next door discharges laundry water from the washing machine onto her property. She has enclosed pictures which are attached hereto. The house discharging the water is at 55 Sewall's Point Rd. Please look into this and advise me of the outcome.


J. C. Dorsky

RECEIVED
MAR. 23 2000
BY: E

2ND COMPLAINT

CAROL GESSER 221-8357
53 S SEWALLS POINT RD.

re: 55 S. SEWALLS POINT RD
outflow of drain to north PC
- ~~soapy~~ soapy water visible
- apparent disconnection of waste
line from laundry

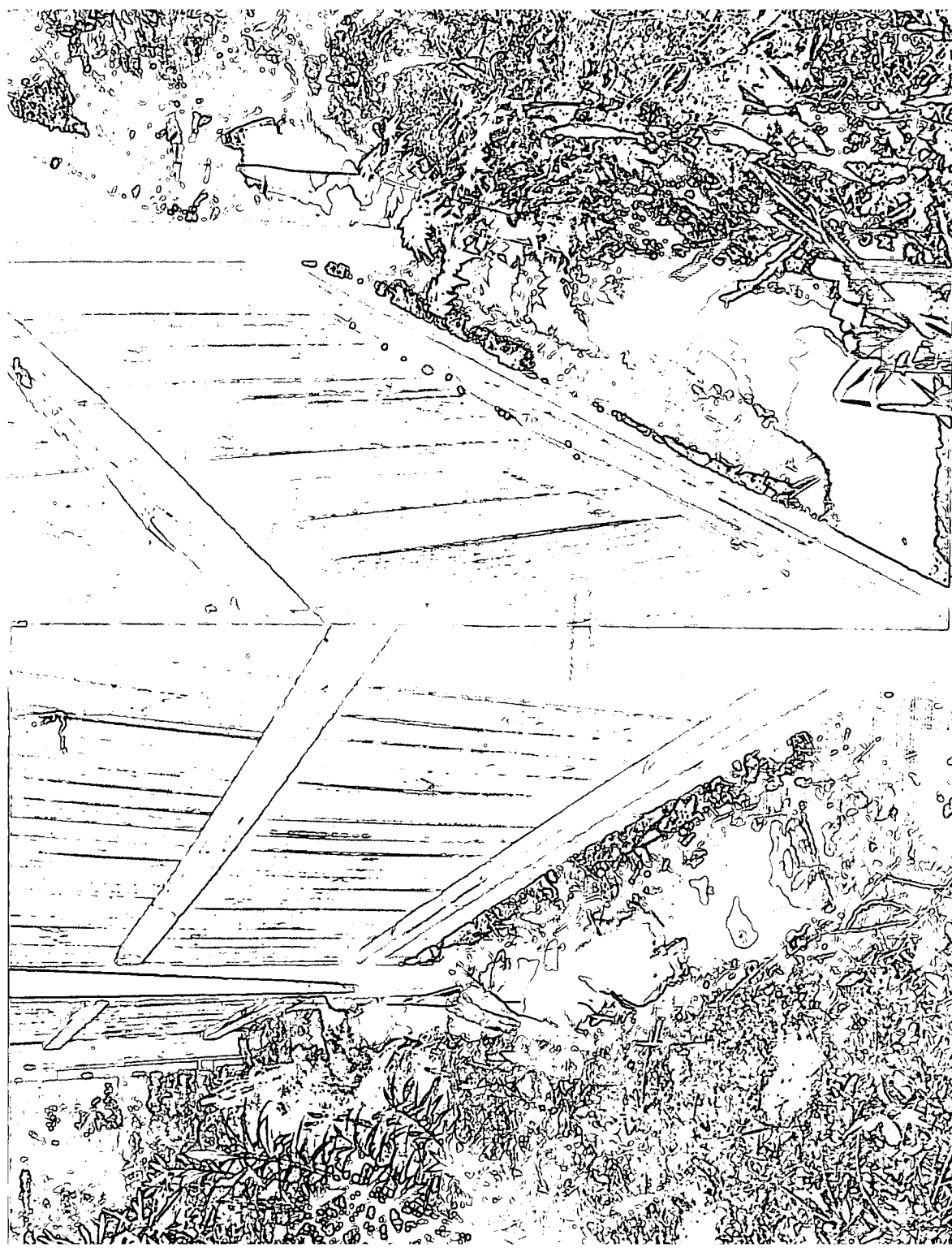
NOTE: original complaint filed ~ November
w/ photos
- BBA field verification several
months ago - ~~see ACTION TAKEN~~

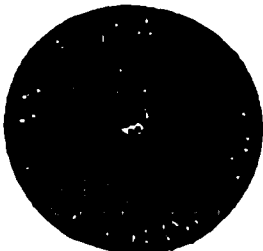
Chief -
Water @ 55 S. S. P.R.
is piped out to
the yard.

FOLLOW-UP ASAP

RECEIVED
AUG 31







**1998 - 1999
Town of Sewall's Point
Building Department - Inspection Log**

~~November 20, 1999~~

PERMIT	OWNER/ ADDRESS	INSPECTION TYPE	RESULTS	REMARKS
4692	Bench	final	FAILED	ISSUED: 9/20/99
4692	F. Morgan	final		NO RECORD OF INSPECTIONS
	WILFRAH CONST.			
PERMIT	OWNER/ ADDRESS	INSPECTION TYPE	RESULTS	REMARKS
4760	California	final	FAILED	ISSUED: 12/10/99
4760	E S C. P. E.	final		NO RECORD OF INSPECTIONS
	WILFRAH CONST.			
PERMIT	OWNER/ ADDRESS	INSPECTION TYPE	RESULTS	REMARKS
4628	HELLIEGEC	TIE KM/COL	PASSED	PTL - 2 ND FL. MAID STRUCTURE
	11 CASTLE HILL WAY			KEYS PECT. REAR GARAGE/STOV
				W/ENGR. LTR.
PERMIT	OWNER/ ADDRESS	INSPECTION TYPE	RESULTS	REMARKS
4527	SRELEY	CO. PTG.	FAILED	- APPLICANT ON APPL
	37 LOFTING WAY	(REVIEW)		BAR VARIANCE RECEIVED
PERMIT	OWNER/ ADDRESS	INSPECTION TYPE	RESULTS	REMARKS
4770	FRANCIS	SITE REVIEW	PASSED	PERMIT ISSUED
	55. RIVER RD			
	(L&S DEMO)			
PERMIT	OWNER/ ADDRESS	INSPECTION TYPE	RESULTS	REMARKS
PERMIT	OWNER/ ADDRESS	INSPECTION TYPE	RESULTS	REMARKS

- OTHER:**
- 1. CODE ENF. COMPLAINT : 55 S. SEWALL'S POINT RD (MGR MEMO) ✓
 - 2. " " " : 43 W. HIGH POINT RD. (LTR 12/15 - ARMSTRONG; 41 W. M.P.) ✓
 - 3. " " " : 11 LAUTANA CAVE (BACKGROUND MGR LTR 12/14) ✓
 - 4. VARIANCE REQ. LTR : 21 W. HIGH POINT (insert adjacent properties) ✓

INSPECTOR: _____ DATE: _____
 (25, 23, 19, 17 all comply per review)

TREE

**TOWN OF SEWALL'S POINT
APPLICATION FOR TREE REMOVAL, RELOCATION, REPLACEMENT**

Tree Defined: Any self-supporting, woody plant which normally grows to an overall height of at least fifteen (15) feet in the vicinity of the town. Replant and landscape trees shall be considered a tree.

No permit required for:

1. Trimming of trees unless it effectively removes it, meaning trimming or pruning to the extent that a plant's natural function is severely altered.
2. Trees with a diameter of less than two inches.

Permit Fee:

1. Tree permits are \$15.00, payable in advance.
2. No permit fee needed for tree which is dead, diseased, injured, hazardous to life or property, or a prohibited species. Prohibitive species include Earleaf Acacia, Woman's Tongue, Norfolk Island Pine, Bischofia, Schefflera, Ear Tree, Eucalyptus, Non-Native Ficus, Silk Oak, Chinese Tallow Tree, Java Plum, Chinaberry, Brazilian Peppers, Australian Pine, and Melaleuca and must be removed before construction begins on new single family residence (S.F.R.).

No removal permits will be issued for native species trees: Black Ironwood, Black Mangrove, Blolly, Buttonwood, Cabbage Palm, Cocoplum (red tip and green tip), Coral Bean, Deer Moss, Gray Twig, Gopher Apple, Gumbo Limbo, Inkwood, Laurel Oak, Leather Fern, Live Oak, Mahogany, Marlberry, Mastic, Mulberry, Myrtle Oak, Paradise Tree, Pigeon Plum, Pond Apple, Prickly Pear, Red Mangrove, Red Maple, Red bay, Saffron Plum, Sand Pine, Scrub Pine, Satinleaf, Saw Palmetto, Scrub Hickory, Sea Grape, Sea Oxeye, Slash Pine, Stoppers, Wild Lime, Sumac (southern), Sugar Berry (Hackberry), Torchwood, Wild Coffee, Varnish Leaf, Water Oak, Wax Myrtle, West Indian Cherry White Mangrove

Application procedures:

1. Fill out application information below to include:
 - a. applicant information
 - b. written statement giving reasons for removal, relocation, or replacement if necessary
 - c. for a new S.F.R., a site plan which shall include the dimensional location on a survey, scale drawing or aerial photograph, superimposed with lot lines of scale, of all existing or proposed structures, improvements and site uses, location of affected trees identified with an estimated size and number, etc.
 - d. for an existing residence, a drawing of house with location of trees to be removed, relocated can be submitted in lieu of site plan.
2. Place identification tape or ribbon on each tree for clarity to inspector if necessary.
3. Inspector will visit site and review application and pass, fail or revise.
4. Permit must be picked up and on site prior to work proceeding.
5. Permits expire if work does not begin within 3 months and if activity is interrupted over 45 days.

Owner Anis Y Akrawi + Carol Gesser Address 53 S. Sewall's Point Rd. Phone 221-8357

Contractor Sampson Tree Co. Address 2170 SW Conant Ave. Part St. Lucie, FL 34953 Phone 336-3456

No. of Trees: REMOVE 2 Type: fig, wax myrtle

No. of Trees: RELOCATE _____ WITHIN 30 DAYS Type: _____

No. of Trees: REPLACE _____ WITHIN 30 DAYS Type: _____

Written statement giving reasons: Both trees were uprooted by hurricanes.

Signature of Property Owner Carol Gesser Date 6.2.05

Approved by Building Inspector: [Signature] Date 6/3 Fee: 0

Plans approved as submitted _____ Plans approved as revised/marked: FILE TREE IS IN ROAD RIGHT OF WAY.

Wax myrtle: leaning
along back lot line, next to
drainage ditch

fig: directly in front of house,
between roadway and hedge (in
(roots out of ground) public
right-of-way).

TOWN OF SEWALL'S POINT, FLORIDA

Date JUNE 3 ~~2005~~ TREE REMOVAL PERMIT No 2505

APPLIED FOR BY GESSER (Contractor or Owner)

Owner 53 S. SEWALL'S PT RD

Sub-division _____, Lot _____, Block _____

Kind of Trees _____

No. Of Trees: REMOVE 1 WAX MYRTLE

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

No. Of Trees: REPLACE _____ WITHIN 30 DAYS

REMARKS _____

_____ FEE \$ 0

Signed, _____ Applicant Signed Gene Summers Town Clerk
BUILDING OFFICIAL

TOWN OF SEWALL'S POINT

Call 287-2455 - 8:00 A.M.-12:00 Noon for Inspect
WORK HOURS 8:00 A.M. - 5:00 P.M. - NO SUNDAY WORK

TREE REMOVAL PERMIT

RE: ORDINANCE 103

[Large empty rectangular box for drawing or additional notes]



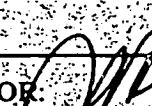
PROJECT DESCRIPTION _____

REMARKS _____

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri 6/3, 20015 Page 2 of

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7596 5	GESSER 53 S. SEWALL'S PT	TREE	PASS	
				INSPECTOR: 
7596	MADDEN 160 S. RIVER RD	BATH WINDOW	FAIL	
1	O/B			INSPECTOR: 
7597	MADDEN 160 S. RIVER RD	Door	FAIL	
1	O/B			INSPECTOR: 
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:

OTHER: _____
