16 Rio Vista Drive

3624

SFR

3624

Tax Folio No. _____

TOWN OF SEWALL'S POINT, FLORIDA

BUILDING PERMIT APPLICATION

Owner's Name Kevin J. Grady and Elizabeth J. Grady

Owner's Address 284 N. E. Blairwood Trace, Jensen Beach, FL 34957

Owner's Telephone 225-6587

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

Fee Simple Titleholder's Address (if other than owner _____

City _____ State _____ Zip _____

Contractor's Name ARK Homes Const. Inc.

Contractor's Address 957 S. Fed. Hwy

City Stuart, ~~FL~~ State FL Zip 34994

Contractor's Telephone 286-7761 License Number _____

Job Name Single Family Home

Job Address Lot 69, Rio Vista Sub. #16 Rio Vista drive

City Town of Sewall's Point State Florida Zip 34996

Legal Description Lot 69, Rio Vist Sub., Plat Book 6, Page 95

Bonding Company _____

Bonding Company Address _____

City _____ State _____

Architect/Engineer's Name Mathews Engineering Corp.

Architect/Engineer's Address 1111 S. Fed. Hwy, Stuart, FL

Mortgage Lender's Name SUN/BANK / South Florida, National Assoc.

Mortgage Lender's Address P.O. Box 5100, # 417 - Tower 6th Floor, Ft. Lauderdale, FL 33310-5100

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

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

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

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

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

Plumbing Contractor Arrow Plumbing License No. CFC029692

Electrical Contractor Cook Electric License No. ME00152

Roofing Contractor Panache License No. CGCA07037

A/C Contractor Classic Cooling License No. CAC029403

Description of Building or Alterations Single Family Residence

Name of Street Designated as Front Building Line and Front Yard

Subdivision Rio Vista Lot 69 Block

Building Area (air conditioned) 2642 sq. ft.

Garage, Porch, Carport Area 979 sq. ft.

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

$183 000.00

Elizabeth J. Grady DATE 6/21/94
(Owner or Authorized Agent)

Sworn and Subscribed before me this
21st day of June 1994 (SEAL)

Joan H. Barrow
NOTARY PUBLIC
State of Florida at Large
My Commission Expires:

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

Ronald A. Butler DATE 6-28-94
(Contractor)

Sworn and Subscribed before me this
28th day of June 1994 (SEAL)

Joan H. Barrow
NOTARY PUBLIC
State of Florida at Large
My Commission Expires:

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

Certificate of Competency Holder

Contractor's State Certification or Registration No. _____

Contractor's Certificate of Competency No. _____

APPLICATION APPROVED BY [signature] 6/27/94 Permit Officer

For Official Use Only

Plans approved as submitted _____ Date _____

Plans approved as marked ✓ Date 6/26/94

A/C Area 2642 sq. ft. x $60. = $158,520

Non A/C Area 979 sq. ft. x $25. = $24,475

Total = $182,995

Contract Price $ 183000 00 (fee will be charged on higher amount)

TOWN OF SEWALL'S POINT

BUILDING PERMIT

PARCEL CONTROL NUMBER _____

PERMIT NUMBER 3624
DATE ISSUED 6/28/94

OWNER Mr Kevin Grady
ADDRESS ~~~~
CITY/ST/ZIP ~~~~
TELEPHONE ~~~~

CONTRACTOR OR
OWNER/BLDR. ARK Homes Inc
ADDRESS 957 S Federal Hwy
CITY/ST/ZIP Stuart Fla
TELEPHONE 286-7761

FLOOD ZONE B
TO BE CONSTRUCTED New house
SITE ADDRESS 16 Rio Vista drv
SUBDIVISION Rio Vista
CONSTRUCTION VALUE 183,000 00

ONE PER BLDG. PERMIT. MAX. THREE SIGNS PER JOB. MAX. SIZE TWO SQUARE FEET. BLACK & WHITE.

BLDG. PERMIT GOOD FOR ONE YEAR. AT EXPIRATION A NEW PERMIT FEE MUST BE PAID.

FEES

REMODELING/NEW CONSTRUCTION		PLUMBING	100. 00
IMPACT	1.508 20	ELECTRICAL	100. 00
RADON	36 21	MECH./A.C.	100. 00
SEPTIC		ROOF	100. 00
WELL		WALL	
FENCE		POOL ENCLOSURE	
POOL		OWNER/BUILDER	~~~~
DOCK			
		TOTAL	3,408 41
		PAID BY CHECK	5623

BUILDING INSPECTION (FOR OFFICIAL USE ONLY)

(SIGN OFF)

FORM BOARD SURVEY		DATE	NAILING		DATE
ROUGH PLUMBING	OK	DATE 7/18/94 DB	ROOF	OK	DATE 9/23/94 DB
TERMITE PROTECTION	OK	DATE 7/12/94 DB	INSULATION	OK	DATE 9/27/94 DB
FOOTING-SLAB	OK	DATE 7/13/94 DB	FINAL ELECTRIC		DATE
LINTEL	OK	DATE 8/11/94 DB	FINAL PLUMBING		DATE
ROUGH ELECTRIC	OK	DATE 9/23/94 DB	SEPTIC FINAL		DATE
FRAMING	OK	DATE 9/23/94 DB	DRIVEWAY	OK	DATE 10/31/94 DB
A/C DUCTS	OK	DATE 9/23/94 DB	FINAL C.O.		DATE

PERMIT AUTHORIZED BY Dale Brown

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

MARSHA STILLER
CLERK OF CIRCUIT COURT
MARTIN CO., FL

RECORDED & VERIFIED
BY D.C.

01067298

94 JUN 10 PM 1:49

Prepared by and return to;
BLACKWELL & WALKER, P. A.
Attn: Nan B. Bolz, Attorney
5 Harvard Circle, Suite 100
West Palm Beach, Florida 33409

DOC-DEED $ 581.00 MARSHA STILLER
DOC-MTG $ ______ MARTIN COUNTY
DOC-ASM $ ______ CLERK OF CIRCUIT COURT
INT TAX $ ______ BY ______ D.C.

Property Control No. 12-38-41-002-000-00690-2

WARRANTY DEED

THIS INDENTURE, made this 8th day of June, 1994, Between

KATHERINE BYRNE, f/k/a KATHERINE H. MCABEE, joined by her husband EMMET BYRNE,

whose post office address is 535 Hoyt Street, Harbor Springs, Mi. 49740, Grantor, and

KEVIN J. GRADY AND ELIZABETH J. GRADY, his wife

whose post office address is 284 N. E. Blairwood Trace, Jensen Beach, Fl. 34957, Grantee,

WITNESSETH, that said Grantor, for and in consideration of TEN AND NO/100---------($10.00)------------------------DOLLARS, and other good and valuable considerations to said Grantor in hand paid by said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said Grantee, and Grantee's heirs and assigns forever, the following described land, situate, lying and being in Martin County, Florida, to wit:

Lot 69, RIO VISTA SUBDIVISION, according to the Plat thereof, filed December 11, 1975, in Plat Book 6, Page 95, Martin County, Florida.

SUBJECT to restrictions, reservations, easements and limitations of record, if any, and to taxes for 1994 and subsequent years.

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

IN WITNESS WHEREOF, Grantor has hereunto set Grantor's hand and seal the day and year first above written.

Signed, sealed and delivered
in our presence:

DeAnna Schlappi
Signature
Print Name DeAnna Schlappi

Katherine Byrne (Seal)
KATHERINE BYRNE

Rebecca L. Alkema
Signature
Print Name Rebecca L Alkema

Emmet Byrne (Seal)
EMMET BYRNE

STATE OF Michigan
COUNTY OF Emmet

The foregoing instrument was acknowledged before me this 3 day of June, 1994, by KATHERINE BYRNE, f/k/a KATHERINE H. MCABEE, joined by her husband EMMET BYRNE who is personally known to me or who has produced Florida Drivers Lic. # B650 508 39 605 0 + B650 206 38 005 0 Respectively as identification and who did not take an oath.

My commission expires:

KRISTY A. BURCH
Notary Public, Emmet County, Michigan
My Commission Expires January 6, 1996

Kristy A. Burch
NOTARY PUBLIC

LAST PAGE

OR BK 1075 PG 1720

NOTICE OF COMMENCEMENT

LOAN NO. 538234

THE UNDERSIGNED HEREBY INFORMS ALL CONCERNED THAT IMPROVEMENTS WILL BE MADE TO CERTAIN REAL PROPERTY AND, IN ACCORDANCE WITH SECTION 713.13 OF THE FLORIDA STATUTES, THE FOLLOWING INFORMATION IS STATED IN THE NOTICE OF COMMENCEMENT. THIS NOTICE IS VOID AND OF NO FORCE AND EFFECT IF CONSTRUCTION IS NOT COMMENCED WITHIN (90) DAYS OF RECORDATION.

CIRCUIT COURT MARTIN COUNTY, FLORIDA

MARSHA STILLER CLERK OF CIRCUIT COURT MARTIN CO., FL

01067300

1. PROPERTY DESCRIPTION:
   A. Street Address or Location Description:
      16 RIO VISTA DRIVE
      STUART, FLORIDA 34996
   B. Legal Description:
      Lot 69, RIO VISTA SUBDIVISION, according to the Plat thereof, filed December 11, 1975, in plat Book 6, Page 95, Martin County, Florida.

2. GENERAL DESCRIPTION OF IMPROVEMENTS:
   CONSTRUCTION OF SINGLE FAMILY DWELLING

3. A. OWNER INFORMATION NAME AND ADDRESS:
   Name: KEVIN J. GRADY AND ELIZABETH J. GRADY
   Address: 284 NE BLAIRWOOD TRACE, JENSEN BEACH, FLORIDA 34957

   B. OWNER'S INTEREST IN THE SITE OF IMPROVEMENT IS: FEE SIMPLE

   C. NAME AND ADDRESS OF FEE SIMPLE TITLEHOLDER (IF OTHER THAN OWNER)
   Name:
   Address:

STATE OF FLORIDA
COUNTY OF MARTIN

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

MARSHA STILLER, CLERK
BY _____ D.C.
DATE 06-13-94

94 JUN 10 PM 1:51
RECORDED & VERIFIED
BY D.C.

4. NAME AND ADDRESS OF CONTRACTOR:
   Name: ARK HOMES CONSTRUCTION, INC.
   Address: 957 SOUTH FEDERAL HIGHWAY, STUART, FL 34994

5. SURETY (IF ANY):
   Name:
   Address:
   Amount of Bond:

6. LENDER MAKING CONSTRUCTION LOAN:
   Name: SUN BANK/SOUTH FLORIDA, NATIONAL ASSOCIATION
   Address: P.O. BOX 5100, #417-TOWER 6TH FLOOR, FT. LAUDERDALE, FL 33310-5100
   ATT: CLAUDIA STEADMAN

7. PERSON DESIGNATED BY OWNER UPON WHOM NOTICES OR OTHER DOCUMENTS MAY BE SERVED AS PROVIDED BY SECTION 713.13 (1) (a) FLORIDA STATUTES:
   Name:
   Address:

8. OWNER DESIGNATES THE FOLLOWING PERSON IN ADDITION TO HIMSELF TO RECEIVE A COPY OF THE LIENORS NOTICE AS PROVIDED IN SECTION 713.13 (1) (b), FLORIDA STATUTES:
   Name: SUN BANK/SOUTH FLORIDA, NATIONAL ASSOCIATION
   Address: P.O. BOX 5100, #417-TOWER 6TH FLOOR, FT. LAUDERDALE, FL 33310-5100
   Attn: NANCY MAJOR

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

WITNESS _____ Robert Schaeffer

WITNESS _____ Nan Dolz

Owner Kevin J. Grady KEVIN J. GRADY

Owner Elizabeth J. Grady ELIZABETH J. GRADY

Owner

Owner

Return to:
Blackwell & Walker, P.A.
5 Harvard Circle
Suite 100
West Palm Beach, FL. 33409

State of Florida

The following instrument was acknowledged before me this JUNE 8, 1994 by KEVIN J. GRADY AND ELIZABETH J. GRADY, HUSBAND AND WIFE

who is personally known to me or who has produced Florida drivers licenses as identification and who did not take an oath.

NOTARY PUBLIC _____
(Seal)

OFFICIAL SEAL
MY COMMISSION EXPIRES:
Notary Public State of Florida
Commission No. CC 084356
Expires March 19, 1995

LAST PAGE

DPS 021

ORBK1075PG1730

OWNER'S AFFIDAVIT OF BUILDING COSTS

STATE OF FLORIDA
COUNTY OF MARTIN

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

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

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

3. That the total cost paid or to be paid by the owner for the complete construction of the improvements under the building permit(s), including the cost of all improvements shown on the plans and specifications filed with the Town and all machinery and equipment not shown thereon required to be installed as a condition for a certificate of occupancy under state and local law, is $183,000.

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.

Elizabeth Grace
Affiant
Property street address:
16 Rio Vista Dr.
Stuart FL 34996

LARRY E. MC CARTY
MY COMMISSION # CC 338968
EXPIRES: January 8, 1998
Bonded Thru Notary Public Underwriters

Sworn to and subscribed
before me this 29 day of
Nov, 19 94.

Larry E. McCarty
Notary Public
STATE OF FLORIDA AT LARGE
My Commission Expires:

(NOTARY SEAL)

183 000 M. x $8.00 = $ 1,464 Building Fee

A/C Fee $ 100.00

Electrical Fee $ 100.00

Plumbing Fee $ 100.00

Roofing Fee $ 100.00

Radon Fee $ 36.21

County Impact Fee $ 1508.20

TOTAL PERMIT FEE $ 3,408.41

PAYMENT RECEIVED Dale Brown 6/28/94
Signature Date

Contractor's License ✓

Sub-Contractors' Licenses ✓

Workers' Comp. Insurance ✓

General Liability Insurance ✓

Three sets of Plans ✓

Plans sealed by architect or engineer ✓

Plot Plan ✓ to Town

Boundary survey ✓ " "

Topographic survey certified to the Town of S.P. ✓ " "

Recorded warranty deed —

Septic tank permit ✓

Energy Code calculations ✓

Elevation certificate —

Recorded notice of commencement ✓

Application for c.o. —

2/93

ELEVATION CERTIFICATE

O.M.B. No 3067-0077
Expires May 31, 1993

FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM

ATTENTION: Use of this certificate does not provide a waiver of the flood insurance purchase requirement. This form is used only to provide elevation information necessary to ensure compliance with applicable community floodplain management ordinances, to determine the proper insurance premium rate, and/or to support a request for a Letter of Map Amendment or Revision (LOMA or LOMR).

Instructions for completing this form can be found on the following pages.

SECTION A PROPERTY INFORMATION

	FOR INSURANCE COMPANY USE
BUILDING OWNER'S NAME: GRADY	POLICY NUMBER:
STREET ADDRESS (Including Apt., Unit, Suite and/or Bldg. Number) OR P.O. ROUTE AND BOX NUMBER: Rio Vista Drive	COMPANY NAIC NUMBER:
OTHER DESCRIPTION (Lot and Block Numbers, etc.): Lot 69 Rio Vista	
CITY: Seawall's Point STATE: Fla. ZIP CODE:	

SECTION B FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

Provide the following from the proper FIRM (See Instructions):

1. COMMUNITY NUMBER	2. PANEL NUMBER	3. SUFFIX	4. DATE OF FIRM INDEX	5. FIRM ZONE	6. BASE FLOOD ELEVATION (in AO Zones, use depth)
120164	0002	C	4/3/84	C	N/A

7. Indicate the elevation datum system used on the FIRM for Base Flood Elevations (BFE): ☒ NGVD '29 ☐ Other (describe on back)
8. For Zones A or V, where no BFE is provided on the FIRM, and the community has established a BFE for this building site, indicate the community's BFE: ☐☐☐☐☐.☐ feet NGVD (or other FIRM datum–see Section B, Item 7).

SECTION C BUILDING ELEVATION INFORMATION

1. Using the Elevation Certificate Instructions, indicate the diagram number from the diagrams found on Pages 5 and 6 that best describes the subject building's reference level 1 .
2(a). FIRM Zones ~~A1-A30, AE, AH, and A (with BFE)~~ The top of the reference level floor from the selected diagram is at an elevation of ☐☐☐13.☐ feet NGVD (or other FIRM datum–see Section B, Item 7).
(b). FIRM Zones V1-V30, VE, and V (with BFE). The bottom of the lowest horizontal structural member of the reference level from the selected diagram, is at an elevation of ☐☐☐☐☐.☐ feet NGVD (or other FIRM datum–see Section B, Item 7).
(c). FIRM Zone A (without BFE). The floor used as the reference level from the selected diagram is ☐☐.☐ feet above ☐ or below ☐ (check one) the highest grade adjacent to the building.
(d). FIRM Zone AO. The floor used as the reference level from the selected diagram is ☐☐.☐ feet above ☐ or below ☐ (check one) the highest grade adjacent to the building. If no flood depth number is available, is the building's lowest floor (reference level) elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown
3. Indicate the elevation datum system used in determining the above reference level elevations: ☒ NGVD '29 ☐ Other (describe under Comments on Page 2). *(NOTE: If the elevation datum used in measuring the elevations is different than that used on the FIRM [see Section B, Item 7], then convert the elevations to the datum system used on the FIRM and show the conversion equation under Comments on Page 2.)*
4. Elevation reference mark used appears on FIRM: ☒ Yes ☐ No (See Instructions on Page 4)
5. The reference level elevation is based on: ☒ actual construction ☐ construction drawings
(NOTE: Use of construction drawings is only valid if the building does not yet have the reference level floor in place, in which case this certificate will only be valid for the building during the course of construction. A post-construction Elevation Certificate will be required once construction is complete.)
6. The elevation of the lowest grade immediately adjacent to the building is: ☐☐☐12.☐ feet NGVD (or other FIRM datum-see Section B, Item 7).

SECTION D COMMUNITY INFORMATION

1. If the community official responsible for verifying building elevations specifies that the reference level indicated in Section C, Item 1 is not the "lowest floor" as defined in the community's floodplain management ordinance, the elevation of the building's "lowest floor" as defined by the ordinance is: ☐☐☐☐☐.☐ feet NGVD (or other FIRM datum–see Section B, Item 7).
2. Date of the start of construction or substantial improvement _____ .

SECTION E CERTIFICATION

This certification is to be signed by a land surveyor, engineer, or architect who is authorized by state or local law to certify elevation information when the elevation information for Zones A1–A30, AE, AH, A (with BFE), V1–V30, VE, and V (with BFE) is required. Community officials who are authorized by local law or ordinance to provide floodplain management information, may also sign the certification. In the case of Zones AO and A (without a FEMA or community issued BFE), a building official, a property owner, or an owner's representative may also sign the certification.

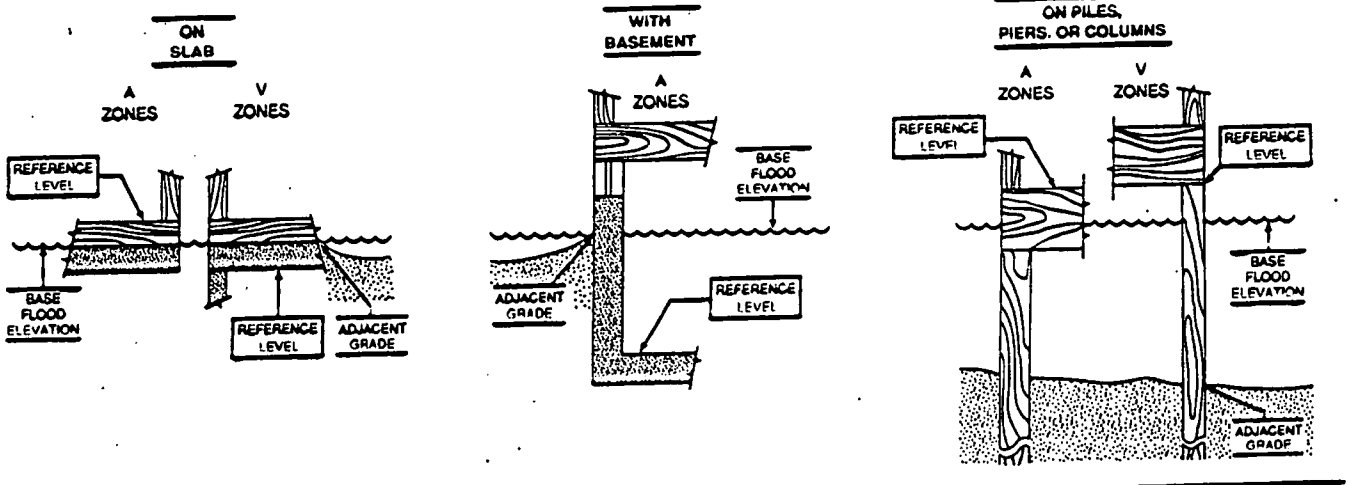
Reference level diagrams 6, 7 and 8 - Distinguishing Features–If the certifier is unable to certify to breakaway/non-breakaway wall, enclosure size, location of servicing equipment, area use, wall openings, or unfinished area Feature(s), then list the Feature(s) not included in the certification under Comments below. The diagram number, Section C, Item 1, must still be entered.

I certify that the information in Sections B and C 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.

Stephen J. Brown	4049	
CERTIFIER'S NAME	LICENSE NUMBER (or Affix Seal)	
Land Surveyor	Stephen J. Brown, Inc.	
TITLE	COMPANY NAME	
290 Florida Street	Stuart	Florida 34994
ADDRESS	CITY	STATE ZIP
SIGNATURE	11/2/94 DATE	(407) 288-7176 PHONE

Copies should be made of this Certificate for: 1) community official, 2) insurance agent/company, and 3) building owner.

COMMENTS:



The diagrams above illustrate the points at which the elevations should be measured in A Zones and V Zones.

Elevations for all A Zones should be measured at the top of the reference level floor.

Elevations for all V Zones should be measured at the bottom of the lowest horizontal structural member.

4077F

ADDITIONAL MATERIALS REQUIRED
WITH
BUILDING PERMIT APPLICATION

THIS LIST IS FOR THE APPLICANT'S CONVENIENCE ONLY. THE APPLICANT MAY BE REQUIRED TO SUBMIT MATERIALS TO THE TOWN IN CONNECTION WITH THE BUILDING PERMIT APPLICATION WHICH ARE NOT LISTED HERE. COMPLETE INFORMATION REGARDING BUILDING PERMIT APPLICATION MATERIALS AND LAND DEVELOPMENT REGULATIONS ARE FOUND IN CHAPTERS 2, 2.5, 4, 6.1, 11, 13, APPENDIX A AND APPENDIX B OF THE TOWN CODE OF ORDINANCES, THE SOUTH FLORIDA BUILDING CODE, AND THE TOWN OF SEWALL'S POINT COMPREHENSIVE PLAN.

1. Florida Certification of Contractor and Sub-Contractor.

2. Certification of Liability and Workers' Compensation Insurance.

3. Three sets of Building Plans which must include:

   a. 1/4" scale building drawings.

   b. Plot plan at a minimum scale of 1" = 10' certifying proposed coverage by impermeable materials; show existing trees 4 or more inches in diameter at chest height; show all completed structures (C.O. issued), existing or proposed wells, all structures under construction (Building Permit issued), and all proposed structures (Building Permit Application filed or being filed); detailed surface water management practices shall be shown through use of swales, berms, retaining walls, etc. designed to meet the water quality requirements of South Florida Water Management District retain, on site, water from a 3-day 25-year storm event, and to prevent normal run-off onto adjoining parcels. Common swales on property lines are encouraged.

   c. A topographic survey, sealed by an appropriate professional, indicating existing natural grade and grade changes proposed on the site, except when grade changes are limited to the area beneath the floor of dwelling units.

Each sheet of plans, and the cover sheet of specifications, for buildings and structures; alterations; repairs and improvements; replacements and additions; costing $15,000.00 or more, shall bear the date, impress seal and signature of a licensed Architect or registered Professional Engineer. Plans for work which is predominately of Architectural nature shall be prepared by and bear the impress seal of a licensed Architect, and work which involves extensive computation based on structural stresses shall, in addition, bear the impress seal of a Professional Engineer.

   c. Foundation Plan.

   d. Floor Plan.

e. Wall and Roof cross-sections.

f. Plumbing, electrical and A/C layouts.

g. At least two elevations showing height of building from finished floor.

4. Landscaping and Habitat Management Permit if the removal, relocation, or replacement of any vegetation or habitat is necessitated by the land development

5. Recorded warranty deed to the property.

6. Septic tank permit and one set of plans with Martin County Health Department seal.

7. Energy code calculations.

8. Certification of elevation from licensed surveyor and determination of flood zone.

9. Amount of fill anticipated - rough sketch showing location and height of fill.

10. Manufacturers' schedule of windows.

11. Except for an improvement which is exempt pursuant to Florida Statutes, an owner or authorized agent before actually commencing to improve any real property, or re-commencing completion of any improvement after default or abandonment, whether or not a project has a payment bond complying with Florida Statutes, shall record a Notice of Commencement in the clerk's office and immediately post either a certified copy of the notice or a notarized statement that the Notice of Commencement has been filed for recording along with a copy of the unrecorded notice.

12. In special flood hazard areas, a certificate of an appropriately licensed professional stating fully enclosed areas below lowest floor are designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of flood waters.

13. In coastal high hazard areas (V Zones), a certificate of an appropriately licensed professional stating breakaway wall collapse shall result from a water load less than that which would occur during the base flood; and the elevated portion of the building and supporting foundation shall not be subject to collapse, displacement or other structural damage due to the effects of wind and water loads acting simultaneously on all building components (structural and non-structural).

THE TOWN'S APPROVAL OF A BUILDING PERMIT APPLICATION DOES NOT RELIEVE OWNER OR CONTRACTOR FROM COMPLIANCE WITH THE TOWN CODE OF ORDINANCES OR OTHER REGULATIONS.

THE TOWN OFFICE HOURS ARE 8:00 A.M. TO 4:00 P.M. MONDAY THROUGH FRIDAY. INSPECTIONS ARE MADE FROM 8:00 A.M. TO 12:00 P.M. NOON ONLY. TWENTY-FOUR HOURS PRIOR NOTICE IS REQUIRED FOR INSPECTIONS.

TOWN OF SEWALL'S POINT, FLORIDA

Before a certificate of occupancy is issued, development permit holders shall provide an "as built" survey meeting the requirements prescribed below. This shall apply to all new building construction and any improvements to existing buildings which alter the dimension or height of the building. The survey shall:

(a) Be prepared by a licensed surveyor registered in Florida, signed, dated and sealed, and shall bear the name, firm or residence address, city, certificate number of the surveyor and date of the field survey;

(b) Be dated not more than 30 days prior to the certificate of occupancy;

(c) Contain a complete legal description;

(d) Reference the source of information used in making the survey;

(e) Contain the address of the property, including street name and number, and show the proximity of all boundary streets;

(f) Indicate the flood zone(s) in which any portion of the building is located, even though the property may not be in a flood hazard area;

(g) Show the exact lot dimensions, including boundary lines and arcs, which must match the Plat, with any variations being noted;

(h) The scale of the map shown on the survey shall be at least 1" = 10'.

(i) Show the location, dimensions, and accurate identity of all easements as required under Rule 21 HH-6.03(15) of the Minimum Technical Standards;

(j) Show all setback requirements;

(k) Show the location and identification of all encroachments, including the type of improvement comprising the encroachment;

(l) Show the location and dimension of all structures, driveways, sidewalks, irrigation wells, septic tanks, drain fields and drainage improvements (including swales, berms and pipe invert elevation);

(m) Contain a certification to the Town of Sewall's Point;

(n) State for whom the survey is done;

(o) Show the location, dimensions and square footage of the native habitat preservation area required by Section 11-60 of this Code.

(p) Indicate the lowest habitable floor, average natural grade, and average crown of road elevations in accordance with applicable Code provisions.

(q) Contain a tabulation of the impermeable and permeable areas;

(r) In coastal high hazard areas (V-Zones), indicate the elevation of the top of pier, pile or column.

(s) Contain any other information the building department may require to confirm the construction or improvements comply with applicable Code provisions. (BUILDING HEIGHT FROM F.F.E.)

Ordinance # 215, 3/11/92

ELEVATION CERTIFICATE

FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM

O.M.B. No 3067-0077
Expires May 31, 1993

ATTENTION: Use of this certificate does not provide a waiver of the flood insurance purchase requirement. This form is used only to provide elevation information necessary to ensure compliance with applicable community floodplain management ordinances, to determine the proper insurance premium rate, and/or to support a request for a Letter of Map Amendment or Revision (LOMA or LOMR).

Instructions for completing this form can be found on the following pages.

SECTION A PROPERTY INFORMATION

BUILDING OWNER'S NAME	FOR INSURANCE COMPANY USE
	POLICY NUMBER
STREET ADDRESS (Including Apt., Unit, Suite and/or Bldg. Number) OR P.O. ROUTE AND BOX NUMBER	COMPANY NAIC NUMBER
OTHER DESCRIPTION (Lot and Block Numbers, etc.)	
CITY STATE ZIP CODE	

SECTION B FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

Provide the following from the proper FIRM (See Instructions):

1. COMMUNITY NUMBER	2. PANEL NUMBER	3. SUFFIX	4. DATE OF FIRM INDEX	5. FIRM ZONE	6. BASE FLOOD ELEVATION (in AO Zones, use depth)

7. Indicate the elevation datum system used on the FIRM for Base Flood Elevations (BFE): ☐ NGVD '29 ☐ Other (describe on back)
8. For Zones A or V, where no BFE is provided on the FIRM, and the community has established a BFE for this building site, indicate the community's BFE: ☐☐☐☐☐.☐ feet NGVD (or other FIRM datum–see Section B, Item 7).

SECTION C BUILDING ELEVATION INFORMATION

1. Using the Elevation Certificate Instructions, indicate the diagram number from the diagrams found on Pages 5 and 6 that best describes the subject building's reference level ____ .

2(a). FIRM Zones A1-A30, AE, AH, and A (with BFE). The top of the reference level floor from the selected diagram is at an elevation of ☐☐☐☐☐.☐ feet NGVD (or other FIRM datum–see Section B, Item 7).

(b). FIRM Zones V1-V30, VE, and V (with BFE). The bottom of the lowest horizontal structural member of the reference level from the selected diagram, is at an elevation of ☐☐☐☐☐.☐ feet NGVD (or other FIRM datum–see Section B, Item 7).

(c). FIRM Zone A (without BFE). The floor used as the reference level from the selected diagram is ☐☐.☐ feet above ☐ or below ☐ (check one) the highest grade adjacent to the building.

(d). FIRM Zone AO. The floor used as the reference level from the selected diagram is ☐☐.☐ feet above ☐ or below ☐ (check one) the highest grade adjacent to the building. If no flood depth number is available, is the building's lowest floor (reference level) elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown

3. Indicate the elevation datum system used in determining the above reference level elevations: ☐ NGVD '29 ☐ Other (describe under Comments on Page 2). *(NOTE: If the elevation datum used in measuring the elevations is different than that used on the FIRM [see Section B, Item 7], then convert the elevations to the datum system used on the FIRM and show the conversion equation under Comments on Page 2.)*
4. Elevation reference mark used appears on FIRM: ☐ Yes ☐ No (See Instructions on Page 4)
5. The reference level elevation is based on: ☐ actual construction ☐ construction drawings
(NOTE: Use of construction drawings is only valid if the building does not yet have the reference level floor in place, in which case this certificate will only be valid for the building during the course of construction. A post-construction Elevation Certificate will be required once construction is complete.)
6. The elevation of the lowest grade immediately adjacent to the building is: ☐☐☐☐☐.☐ feet NGVD (or other FIRM datum-see Section B, Item 7).

SECTION D COMMUNITY INFORMATION

1. If the community official responsible for verifying building elevations specifies that the reference level indicated in Section C, Item 1 is not the "lowest floor" as defined in the community's floodplain management ordinance, the elevation of the building's "lowest floor" as defined by the ordinance is: ☐☐☐☐☐.☐ feet NGVD (or other FIRM datum–see Section B, Item 7).
2. Date of the start of construction or substantial improvement _____ .

SECTION E CERTIFICATION

This certification is to be signed by a land surveyor, engineer, or architect who is authorized by state or local law to certify elevation information when the elevation information for Zones A1–A30, AE, AH, A (with BFE),V1–V30,VE, and V (with BFE) is required. Community officials who are authorized by local law or ordinance to provide floodplain management information, may also sign the certification. In the case of Zones AO and A (without a FEMA or community issued BFE), a building official, a property owner, or an owner's representative may also sign the certification.

Reference level diagrams 6, 7 and 8 - Distinguishing Features–If the certifier is unable to certify to breakaway/non-breakaway wall, enclosure size, location of servicing equipment, area use, wall openings, or unfinished area Feature(s), then list the Feature(s) not included in the certification under Comments below. The diagram number, Section C, Item 1, must still be entered.

I certify that the information in Sections B and C 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.

CERTIFIER'S NAME | LICENSE NUMBER (or Affix Seal)

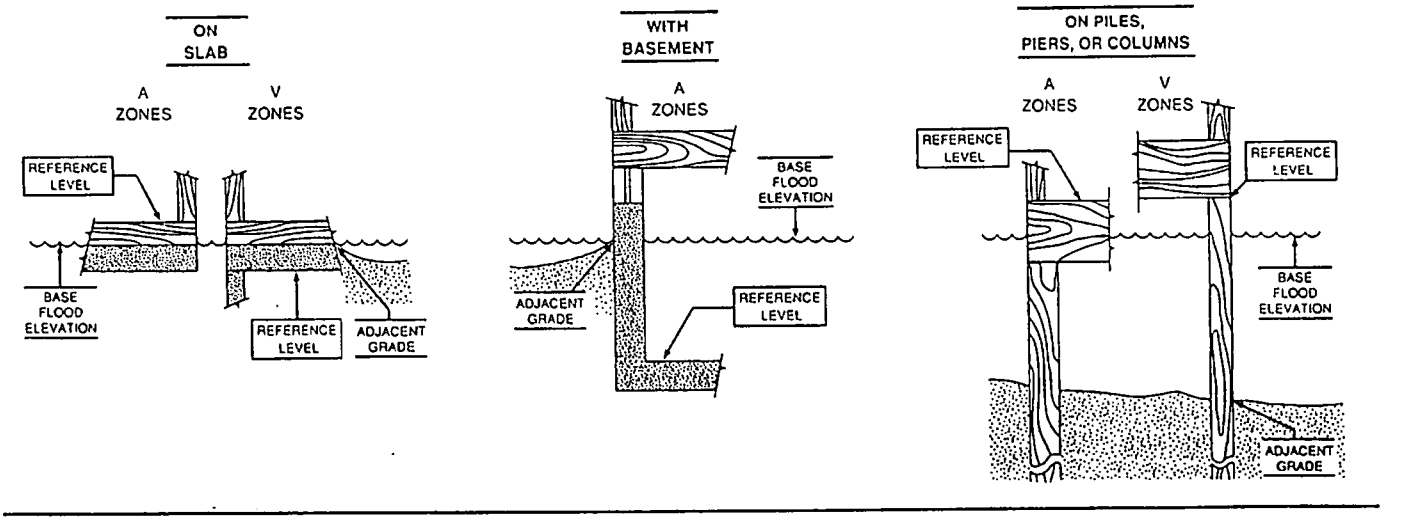
TITLE | COMPANY NAME

ADDRESS | CITY | STATE | ZIP

SIGNATURE | DATE | PHONE

Copies should be made of this Certificate for: 1) community official, 2) insurance agent/company, and 3) building owner.

COMMENTS:



The diagrams above illustrate the points at which the elevations should be measured in A Zones and V Zones.

Elevations for all A Zones should be measured at the top of the reference level floor.

Elevations for all V Zones should be measured at the bottom of the lowest horizontal structural member.

1053-02

Wind Load Structural Calculations per ASCE 7-93

START HERE

STEP No. 1

Establish wind load velocity pressure for exposure C or exposure D for shoreline areas

The velocity pressure value shown in the chart below is based on the fastest mile wind speed design requirement and the mean roof height for each rectangle of the structure. *See Below

110 MPH
EXP D

Design wind speed & exposure ENTER HERE

Hurricane Engineering Corporation
1111 South Federal Hwy., Suite 226
Stuart, Florida 34994
Phone: 407 / 221-8639 Fax: 220-8686

(Note: All wind velocity pressures are shown in pounds per square foot) VELOCITY PRESSURE VALUES ((Qz = 0.00256 x Kz x (IV)squared)) Importance factor, I=1.05

Wind speed & exposure →		80 Exp. C	90 Exp. C	100 Exp. C	110 Exp. C	120 Exp. C	130 Exp. C	140 Exp. C	90 Exp. D	100 Exp. D	110 Exp. D
Mean Roof height	0' to 15'	14.5	18.3	22.6	27.3	32.5	38.2	44.3	27.4	33.9	(41.0)
Mean Roof height	15' to 20'	15.7	19.9	24.6	29.7	33.4	41.5	48.1	29.0	35.8	43.4
Mean Roof height	20' to 25'	16.8	21.3	26.2	31.8	37.8	44.4	51.4	30.2	37.3	45.1
Mean Roof height	25' to 30'	17.7	22.4	27.7	33.5	39.8	46.7	54.2	31.3	38.7	46.8
Mean Roof height	30' to 35'	18.4	23.3	28.8	34.8	41.5	48.7	56.4	32.3	39.9	48.3
Mean Roof height	35' to 40'	19.1	24.2	29.9	36.2	43.1	50.6	58.6	33.4	41.2	49.9
Mean Roof height	40' to 45'	19.8	25.0	30.9	37.4	44.5	52.2	60.6	34.1	42.1	50.9
Mean Roof height	45' to 50'	20.4	25.8	31.9	38.6	45.9	53.9	62.5	34.7	42.9	51.9
Mean Roof height	50' to 55'	21.0	26.5	32.7	39.6	47.1	55.3	64.2	35.4	43.7	52.9
Mean Roof height	55' to 60'	21.5	27.2	33.6	40.6	48.4	56.8	65.8	36.1	44.6	54.0

Rectangle Information: Select velocity pressure and list mean roof height for each roof rectangle

For Rectangle	A	B	C	D	E	F	G	H	I	J	K
Velocity pressure	41										
Mean roof height	15										

To determine the mean roof height: first, ADD vertical distance from grade to top of exterior wall at eave PLUS: 50% of the vertical distance from top of exterior wall at eave to highest roof ridge line of each rectangle.

DEAD LOAD (PSF) 8

General Information

Roof Pitch	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
Pitch Factor	1.00347	1.01379	1.03078	1.05409	1.08333	1.11803	1.15770	1.20185	1.25000	1.30172	1.35657	1.41421
Force factor	0.94444	0.88888	0.84444	0.78888	0.74444	0.70000	0.66666	0.62222	0.58888	0.55555	0.52222	0.50000
Pitch Angle	5 Degrees	10 Degrees	14 Degrees	19 Degrees	23 Degrees	27 Degrees	30 Degrees	34 Degrees	37 Degrees	40 Degrees	43 Degrees	45 Degrees

Roof Coefficients for wind load calculations on buildings with a mean roof height of less than 60 feet.

For Roof framing members at 16" on center

16" O.C.	With roof pitch angle Zero to 10 degrees				With roof pitch angle 10 to 30 degrees				With roof pitch angle 30 to 45 degrees			
	Coefficients for				Coefficients for				Coefficients for			
Roof frame member span lgth. brg. to brg. (Feet)	Roof frame members with only 1 edge/ridge Zone #2	Roof frame members with more than 1 Zone #2	Roof frame members totally in a gable End Zone	Overhang portion of Roof frame members	Roof frame members with only 1 edge/ridge Zone #2	Roof frame members with more than 1 Zone #2	Roof frame members totally in a gable End Zone	Overhang portion of Roof frame members	Roof frame members with only 1 edge/ridge Zone #2	Roof frame members with more than 1 Zone #2	Roof frame members totally in a gable End Zone	Overhang portion of Roof frame members
0 to 6	2.00	2.55	2.55	3.03	2.15	3.00	3.00	3.33	1.50	1.63	1.63	2.32
6 to 9	1.75	2.07	2.40	2.66	1.85	2.42	2.80	2.89	1.46	1.54	1.63	2.25
9 to 12	1.67	1.91	2.40	2.54	1.66	2.04	2.80	2.60	1.44	1.50	1.63	2.22
12 to 16	1.52	1.66	2.10	2.34	1.43	1.68	2.50	2.30	1.33	1.38	1.52	2.10
16 to 20	1.50	1.60	2.10	2.30	1.38	1.58	2.50	2.23	1.32	1.36	1.52	2.09
20 to 28	1.47	1.54	2.10	2.25	1.32	1.46	2.50	2.14	1.31	1.34	1.52	2.08
28 to 36	1.46	1.53	2.10	2.25	1.24	1.34	2.20	2.04	1.24	1.26	1.43	2.00
36 to 46	1.30	1.35	1.70	2.08	1.24	1.34	2.20	2.04	1.24	1.26	1.43	2.00
46 to 60	1.30	1.35	1.70	2.08	1.24	1.34	2.20	2.04	1.22	1.24	1.40	1.98
60 to 80	1.23	1.26	1.50	2.00	1.19	1.28	2.00	1.99	1.22	1.24	1.40	1.98
80 Plus	1.23	1.26	1.50	2.00	1.19	1.28	2.00	1.99	1.22	1.24	1.40	1.98

For Roof framing members at 24" on center

24" O.C.	With roof pitch angle Zero to 10 degrees				With roof pitch angle 10 to 30 degrees				With roof pitch angle 30 to 45 degrees			
	Coefficients for				Coefficients for				Coefficients for			
Roof frame member span lgth. brg. to brg. (Feet)	Roof frame members with only 1 edge/ridge Zone #2	Roof frame members with more than 1 Zone #2	Roof frame members totally in a gable End Zone	Overhang portion of Roof frame members	Roof frame members with only 1 edge/ridge Zone #2	Roof frame members with more than 1 Zone #2	Roof frame members totally in a gable End Zone	Overhang portion of Roof frame members	Roof frame members with only 1 edge/ridge Zone #2	Roof frame members with more than 1 Zone #2	Roof frame members totally in a gable End Zone	Overhang portion of Roof frame members
0 to 6	1.91	2.40	2.40	2.91	2.04	2.80	2.80	3.17	1.50	1.63	1.63	2.32
6 to 9	1.75	2.07	2.40	2.66	1.62	2.06	2.50	2.59	1.37	1.44	1.52	2.16
9 to 12	1.57	1.75	2.10	2.41	1.51	1.84	2.50	2.43	1.35	1.41	1.52	2.13
12 to 16	1.52	1.66	2.10	2.34	1.43	1.68	2.50	2.30	1.33	1.38	1.52	2.10
16 to 20	1.50	1.60	2.10	2.30	1.38	1.58	2.50	2.23	1.25	1.28	1.43	2.02
20 to 28	1.31	1.35	1.70	2.08	1.24	1.36	2.20	2.05	1.24	1.27	1.43	2.00
28 to 36	1.30	1.35	1.70	2.08	1.24	1.34	2.20	2.04	1.24	1.26	1.43	2.00
36 to 46	1.30	1.35	1.70	2.08	1.19	1.28	2.00	1.99	1.22	1.24	1.40	1.98
46 to 60	1.23	1.26	1.50	2.00	1.19	1.28	2.00	1.99	1.22	1.24	1.40	1.98
60 to 80	1.23	1.26	1.50	2.00	1.19	1.28	2.00	1.99	1.22	1.24	1.40	1.98
80 Plus	1.23	1.26	1.50	2.00	1.19	1.28	2.00	1.99	1.22	1.24	1.40	1.98

Note 1. Edge/Ridge Zone and End Zone calculation is thus: 10% of the endwall width or 40% of the mean roof height, whichever is smaller, but not less than either 3 feet or 4% of the longest wall.

The methods of determining the wind force generated reaction loads in this document utilizes the provisions of the ANSI / ASCE Standard 7-93, Minimum Design Loads for Buildings and Other Structures, Section 6, Wind Loads, 6.4.2 Analytical Procedure in accordance with 6.4.2.2 *Limitations of Analytical Procedure*. This method applies all appropriate factors and pressure coefficients applicable for the main wind force resisting system, end zones, overhangs, edge strips, walls, roofs, components and cladding as shown in Section 6, figures 1, 2, 3, & 4 and tables 4, 5, 6, 7, 8, 9, 10, 11 & 12. The velocity pressures shown in Step No. 1 have been calculated in accordance with Section 6.5.1 and modified for velocity pressure exposure coefficients and gust response factors relative to exposures C and D in compliance with Table 6 and Table 8 respectively.

The use of this document is restricted to buildings less than 60 feet high, subject to the same limitations as shown in Section 6.4.2.2 of the ASCE Standard 7-93 and must be completed under the direction and supervision of a registered professional engineer.

STEP No. 2 | **Identify and Number:**

Note: Nomenclature assigned by truss companies may also be used except for girders & beams.

SAMPLE: A-T1 (A= the roof Rectangle in which the truss T1 is located)

On your roof framing plan, identify, by prefixes and number, all structural framing members.

Use the same prefix and number for all members which are identical in span and general design.

Prefixes are shown in the chart below.

Note: Mark all girder trusses and beams at their bearing points with "A" at one bearing point and "B" at the other bearing point. (Example: G1-A and G1-B for each end of a girder truss)

Item Description →	Roof Truss	Roof Rafter	Hip Jack	Beam or Girder	Hip King Jack	O.S.Roof Corner	Opening Header	Gable Frame	Shear Wall (Int.)	End Wall	Side Wall
Rectangle Prefix +	T-#	R-#	J-#	B or G-#	K-#	CR-#	H-#	GF-#	X-#	EW-#	SW-#

STEP No. 3

Calculate wind uplift loads for structural roof framing members at both bearing points.

List hip roof king-jacks after Step 4D is completed. Do include hand framed Gables, GF-#.

Note 2: The selection of the coefficient "C" must be from the chart shown on page 1 and is based first on the roof framing center distance, 16" or 24" on center; next the chart for the appropriate roof pitch angle must be used in conjuction with the roof frame member span length from bearing point to bearing point.

Follow calculation instructions at the bottom of the columns.

Important: Select the correct coeficient for each roof framing member based on the number of Edge or Ridge strip areas acting on that specific roof frame member. Typically, most hip jacks and some rafters have only one edge or ridge strip.

The load result of this calculation is the net uplift reaction vertical to the bearing point less the dead load reaction.

Col. A Rectangle Letter-	Col. B Roof frame member I.D. No. on plans	Col. C Coefficient "C" Note 2 Roof and overhang	Col. D Velocity pressure	Col. E Calculated Value	Col. F Dead Load (PSF)	Col. G Calculated Value	Col. H Roof frame center distance (feet)	Col. I Calculated Value	Col. J* Line a. = 1/2 Span Line b. = overhang	Col. K Uplift load opposite eave end for a.(Lbs.)	Col. L* Uplift load at eave w/ overhang for b.(Lbs.)	Letter Ridge end = a. Eave end = b.
A	T-1	1.58	41	64.78	8	56.8	2.00	113.56	8.30	943		a.
		2.23	41	91.43	8	83.4	2.00	166.86	2.00	334	1276	b.
	T-2	1.58	41	64.78	8	56.8	2.00	113.56	8.30	943		a.
		2.23	41	91.43	8	83.4	2.00	166.86	2.00	334	1276	b.
	T-3	1.38	41	56.58	8	48.6	2.00	97.16	9.30	904		a.
		2.23	41	91.43	8	83.4	2.00	166.86	2.00	334	1237	b.
	T-4	1.36	41	55.76	8	47.8	2.00	95.52	11.80	1127		a.
		2.05	41	84.05	8	76.1	2.00	152.10	2.00	304	1431	b.
	T-5	1.24	41	50.84	8	42.8	2.00	85.68	16.50	1414		a.
		2.04	41	83.64	8	75.6	2.00	151.28	2.00	303	1716	b.
	T-6	1.24	41	50.84	8	42.8	2.00	85.68	16.00	1371		a.
		2.04	41	83.64	8	75.6	2.00	151.28	2.00	303	1673	b.
	T-7	1.24	41	50.84	8	42.8	2.00	85.68	16.00	1371		a.
		2.04	41	83.64	8	75.6	2.00	151.28	2.00	303	1673	b.
	T-8	1.24	41	50.84	8	42.8	2.00	85.68	16.00	1371		a.
		2.04	41	83.64	8	75.6	2.00	151.28	2.00	303	1673	b.
	T-9	1.43	41	58.63	8	50.6	2.00	101.26	6.00	608		a.
		2.30	41	94.30	8	86.3	2.00	172.60	2.00	345	953	b.
	T-10	1.38	41	56.58	8	48.6	2.00	97.16	9.50	923		a.
		2.23	41	91.43	8	83.4	2.00	166.86	2.00	334	1257	b.
	T-11	1.38	41	56.58	8	48.6	2.00	97.16	8.50	826		a.
		2.23	41	91.43	8	83.4	2.00	166.86	2.00	334	1160	b.
	T-12	1.36	41	55.76	8	47.8	2.00	95.52	11.00	1051		a.
		2.05	41	84.05	8	76.1	2.00	152.10	2.00	304	1355	b.
	J1	2.04	41	83.64	8	75.6	2.00	151.28	0.50	76		a.
		3.17	41	129.97	8	122.0	2.00	243.94	2.00	488	564	b.
	J3	2.04	41	83.64	8	75.6	2.00	151.28	1.50	227		a.
		3.17	41	129.97	8	122.0	2.00	243.94	2.00	488	715	b.
	J5	2.04	41	83.64	8	75.6	2.00	151.28	2.50	378		a.
		3.17	41	129.97	8	122.0	2.00	243.94	2.00	488	866	b.
	J7	1.62	41	66.42	8	58.4	2.00	116.84	3.50	409		a.
		2.59	41	106.19	8	98.2	2.00	196.38	2.00	393	802	b.
	K-1	1.51	41	61.91	8	53.9	2.00	107.82	6.00	647		a.
		2.43	41	99.63	8	91.6	2.00	183.26	2.80	513	1160	b.
	K-2	2.04	41	83.64	8	75.6	2.00	151.28	2.00	303		a.
		3.17	41	129.97	8	122.0	2.00	243.94	2.80	683	986	b.
	K-3	1.62	41	66.42	8	58.4	2.00	116.84	4.00	467		a.
		2.59	41	106.19	8	98.2	2.00	196.38	2.80	550	1017	b.
	T-13	1.24	41	50.84	8	42.8	2.00	85.68	12.30	1054		a.
		0.00		0.00		0.0	2.00	0.00		0	1054	b.
				0.00		0.0		0.00		0		a.
				0.00		0.0		0.00		0	0	b.
				0.00		0.0		0.00		0		a.
				0.00		0.0		0.00		0	0	b.
				0.00		0.0		0.00		0		a.
				0.00		0.0		0.00		0	0	b.
				0.00		0.0		0.00		0		a.
				0.00		0.0		0.00		0	0	b.
Columns & Calculation Instructions		C	D	E	F	G	H	I	J*	K	L	M
		C x D = E			E - F = G		G x H = I		I x J = K		Ka+Kb=L*	

*NOTE 3: If the eave does NOT have an overhang of 1'-6" or more; then enter 1.5 in column "J"

STEP No. 4A (Only if Rake overhang exceeds 1 foot)

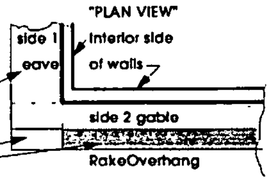
Contributory Uplift Load Values for outside wall corner overhang areas:

Use for ALL GABLE Corners ONLY

Identical corners should have the same I.D. number

AA represents uplift load for this corner overhang area

BB represents excess rake overhang uplift load



STEP No. 4C

Hypotenuse lengths for roof frame Hip King-Jacks

Select the LENGTH values CC and DD from this chart based upon the hip girder truss set-back distance from the exterior bearing wall and the eave overhang length.

Corner I.D. as shown on plans	Enter Sq. Ft. of Shaded corner Area	MATH	Fixed Value		Math Function Value (results)	MATH	specific rectangle Velocity pressure (sheet 1)		Value AA	Set-Back Distance in feet	CC Bearing Length	Set-Back Distance in feet	CC Bearing Length	Set-Back Distance in feet	CC Bearing Length	Eave Over-Hang Distance in feet	DD overhang Length
CR-1		x	4	=	0	x		=	0	1	1.4	9	12.7	17	24.0	1.00	1.4
CR-2		x	4	=	0	x		=	0	2	2.8	10	14.1	18	25.5	1.33	1.9
CR-3		x	4	=	0	x		=	0	3	4.2	11	15.6	19	26.9	1.50	2.1
CR-4		x	4	=	0	x		=	0	4	5.7	12	17.0	20	28.3	2.00	2.8
CR-5		x	4	=	0	x		=	0	5	7.1	13	18.4	21	29.7	2.50	3.5
CR-6		x	4	=	0	x		=	0	6	8.5	14	19.8	22	31.1	3.00	4.2
CR-7		x	4	=	0	x		=	0	7	9.9	15	21.2	23	32.5	3.50	4.9
CR-8		x	4	=	0	x		=	0	8	11.3	16	22.6	24	33.9	4.00	5.7

STEP No. 4B **Calculate Wind Uplift Load Values at bearing points of gable truss or rafter and uplift per lineal foot for gable diaphragm design and connector sizing on hand framed gables**

CF# or Member I.D. No. as shown on plans	Col. A Enter half Sq. Ft. of hatched rake area brg. to brg.	MATH	Col. B Fixed Value		Col. C Math Function Value (results)	MATH	Col. D specific rectangle Velocity pressure (sheet 1)		Col. E Value (results) BB	MATH	Col. F Plus Value AA	Col. G List Ka. & Lb. values from Step 3	Col. H Uplift at each bearing point a. & b.	Col. I Total uplift for both bearing points	Col. J List horizont'l bearing distance (Feet)	Col. K Uplift shear on gable sheathing (PLF)	Col. L Sheathing Mat'l. & thickness Nail size & V. Ctrs.	LINE Letter Ridge end = a. Eave end = b.
										+			0					a.
		X	2.4	=	0	X		=	0	+			0	0		0		b.
										+			0					a.
		X	2.4	=	0	X		=	0	+			0	0		0		b.
										+			0					a.
		X	2.4	=	0	X		=	0	+			0	0		0		b.
										+			0					a.
		X	2.4	=	0	X		=	0	+			0	0		0		b.
										+			0					a.
		X	2.4	=	0	X		=	0	+			0	0		0		b.
										+			0					a.
		X	2.4	=	0	X		=	0	+			0	0		0		b.
										+			0					a.
		X	2.4	=	0	X		=	0	+			0	0		0		b.

A x B = C | C x D = E | E+F+G = H | Ha+Hb = I | I / J = K

STEP No. 4D List the values requested and perform the calculations on Lines 3, 4, and 6 for each dissimilar king-jack shown on plans. Then, insert the calculated values from Line 4 and Line 5 into Step 3, Column J, lines a. & b. respectively.

Line Number	King-Jack I.D. No. as shown on plans →	K-1	K-2	K-3							
	Set-back distance (Ref.)	7.00	3.00	5.00							
	Roof Pitch Ratio (rise to 1: (Ref.)	6.00	6.00	6.00							
1	Pitch Factor = Page 1, General Info.	1.1180	1.1180	1.1180							
2	List the CC length value	9.9	4.2	7.1							
3	Multiply Line 1 times Line 2 =	11.1	4.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	Divide Line 3 value by 2 =	6	2	4	0	0	0	0	0	0	0
5	List the DD overhang length value	2.8	2.8	2.8							
6	Multiply Line 1 times Line 5 =	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STEP No. 5 Determine the ADDITIONAL wind uplift load for those roof frame members that extend or exist over partially **enclosed and/or open areas.**

Member I.D. No. as shown on plans	Col. A Load Ka. & Lb. from Step No. 3 (Lbs.)	Col. B Velocity pressure from Step No. 3 Col. "D"	Col. C Additional uplift load per sq. ft. (Lbs.)	Col. D Member length over the open area only (Feet)	Col. E Member distance on center (Feet)	Col. F Effective sq. ft. area per member	Col. G Sum of additional uplift load / member (Lbs.)	Col. H Member span dist. brg to brg (Feet)	Col. I additional uplift load per lineal foot (PLF)	Col. J Load Ctr. dist. to: brg pt b. brg pt a. (Feet)	Col. K additional uplift load at brg. pts. a. and b. (Lbs.)	Col. L Revised uplift load at brg. pts. a. and b. (Lbs.)	LINE Letter Ridge end = a. Eave end = b.
T-9	608									6.00	369	977	a.
	953	41.0	30.8	12.00	2.00	24.00	738.0	12.00	62	6.00	369	1322	b.
K-1	647									6.00	369	1016	a.
	1160	41.0	30.8	12.00	2.00	24.00	738.0	12.00	62	6.00	369	1529	b.
J7	409									3.50	215	624	a.
	802	41.0	30.8	7.00	2.00	14.00	430.5	7.00	62	3.50	215	1017	b.
J5	378									2.50	154	532	a.
	866	41.0	30.8	5.00	2.00	10.00	307.5	5.00	62	2.50	154	1020	b.
J3	227									1.50	92	319	a.
	715	41.0	30.8	3.00	2.00	6.00	184.5	3.00	62	1.50	92	807	b.
J1	76									0.50	31	107	a.
	564	41.0	30.8	1.00	2.00	2.00	61.5	1.00	62	0.50	31	595	b.

Calculation Instructions: B x 0.75 = C | D x E = F | C x F = G | G / H = I | I x J = K | A + K = L

STEP No. 4A (Only if Rake overhang exceeds 1 foot)

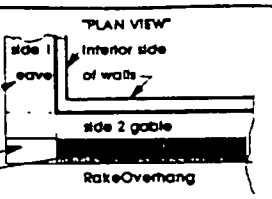
Contributory Uplift Load Values for outside wall corner overhang areas:

Use for ALL GABLE Corners ONLY

Identical corners should have the same I.D. number

AA represents uplift load for this corner overhang area

BB represents excess rake overhang uplift load



STEP No. 4C

Hypotenuse lengths for roof frame Hip King-Jacks

Select the LENGTH values CC and DD from this chart based upon the hip girder truss set-back distance from the exterior bearing wall and the eave overhang length.

Corner I.D. as shown on plans	Enter Sq. Ft. of Shaded corner Area	MATH	Fixed Value		Math Function Value (results)	MATH	specific rectangle Velocity pressure (sheet 1)		Value AA ▼
CR-1		x	4	=		x		=	
CR-2		x	4	=		x		=	
CR-3		x	4	=		x		=	
CR-4		x	4	=		x		=	
CR-5		x	4	=		x		=	
CR-6		x	4	=		x		=	
CR-7		x	4	=		x		=	
CR-8		x	4	=		x		=	

Set-Back Distance in feet	CC Bearing Length	Set-Back Distance in feet	CC Bearing Length	Set-Back Distance in feet	CC Bearing Length	Eave Over-Hang Distance in feet	DD overhang Length
1	1.4	9	12.7	17	24.0	1.00	1.4
2	2.8	10	14.1	18	25.5	1.33	1.9
3	4.2	11	15.6	19	26.9	1.50	2.1
4	5.7	12	17.0	20	28.3	2.00	2.8
5	7.1	13	18.4	21	29.7	2.50	3.5
6	8.5	14	19.8	22	31.1	3.00	4.2
7	9.9	15	21.2	23	32.5	3.50	4.9
8	11.3	16	22.6	24	33.9	4.00	5.7

STEP No. 4B Calculate Wind Uplift Load Values at bearing points of gable truss or rafter and uplift per lineal foot for gable diaphragm design and connector sizing on hand framed gables

GF# or Member I.D. No. as shown on plans	Col. A Enter half Sq. Ft. of hatched rake area brg. to brg.	MATH	Col. B Fixed Value		Col. C Math Function Value (results)	MATH	Col. D specific rectangle Velocity pressure (sheet 1)		Col. E Value (results) BB ▼	MATH	Col. F Plus Value AA ▼	Col. G List Ka. & Lb. values from Step 3	Col. H Uplift at each bearing point a. & b.	Col. I Total uplift for both bearing points	Col. J List horizontl bearing distance (Feet)	Col. K Uplift shear on gable sheathing (PLF)	Col. L Sheathing Matl. & thickness Nail size & V. Ctrs.	LINE Letter Ridge end = a. Eave end = b.
										+								a. b.
		X	2.4	=		X		=		+								a. b.
		X	2.4	=		X		=	0	+								a. b.
		X	2.4	=		X		=	0	+								a. b.
		X	2.4	=		X		=	0	+								a. b.
		X	2.4	=		X		=	0	+								a. b.
		X	2.4	=		X		=	0	+								a. b.
		X	2.4	=		X		=	0	+								a. b.

A x B = C | C x D = E | E+F+G = H | Ha+Hb = I | I / J = K

STEP No. 4D List the values requested and perform the calculations on Lines 3, 4, and 6 for each dissimilar king-jack shown on plans. Then, insert the calculated values from Line 4 and Line 5 into Step 3, Column J, lines a. & b. respectively.

Line Number	King-Jack I.D. No. as shown on plans →												
	Set-back distance	(Ref.)											
	Roof Pitch Ratio (rise to 1 (Ref.)												
1	Pitch Factor = Page 1, General Info.												
2	List the CC length value												
3	Multiply Line 1 times Line 2 =												
4	Divide Line 3 value by 2 =												
5	List the DD overhang length value												
6	Multiply Line 1 times Line 5 =												

STEP No. 5 Determine the ADDITIONAL wind uplift load for those roof frame members that extend or exist over partially enclosed and/or open areas.

Member I.D. No. as shown on plans	Col. A Load Ka. & Lb. from Step No. 3 (Lbs.)	Col. B Velocity pressure from Step No. 3 Col. "D"	Col. C Additional uplift load per sq. ft. (Lbs.)	Col. D Member length over the open area only (Feet)	Col. E Member distance on center (Feet)	Col. F Effective sq. ft. area per member	Col. G Sum of additional uplift loads / member (Lbs.)	Col. H Member span dist. brg to brg (Feet)	Col. I additional uplift load per lineal foot (PLF)	Col. J Load Ctr. dist. to: brg pt b. brg pt a. (Feet)	Col. K additional uplift load at brg. pts. a. and b. (Lbs.)	Col. L Revised uplift load at brg. pts. a. and b. (Lbs.)	LINE Letter Ridge end = a. Eave end = b.
T-7	1371. 1673	41	30.8	3	2	6	185	32	5.8	30.5 1.5	177 8.7	1548 1682	a. b.
T-9	1371 1673	4	30.8	12	2	24	739	32	23	26.5 16	610 138	1981 1811	a. b.
K-3*	467. 1017	41	30.8	8	2	16	493	8	62	4 4	248 248	715 1265	a. b.
													a. b.
													a. b.
													a. b.

Calculation Instructions: B x 0.75 = C | D x E = F | C x F = G | G / H = I | I x J = K | A + K = L

STEP No. 6A

Calculate Wind Load Values for all roof framing girder trusses and beams at their bearing points.

(Do NOT list headers over ext. & int. bearing wall openings in this calculation step. See Step No. 7)

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box **G-1**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss		(Totals) Add lines 1 thru 10 & enter sum on line 11
1	J5	378	x	3	=	1134
2	K-3	467	x	2	=	934
3			x		=	0
4			x		=	0
5			x		=	0
6			x		=	0
7			x		=	0
8			x		=	0
9			x		=	0
10			x		=	0
11	Sub-Total →					2068
12	Divide Line 11 by 2 =					1034
13a	This member's uplift load from Steps 3 or 5 (End a.)					953
13b	This member's uplift load from Steps 3 or 5 (End b.)					953
14a	Add Line 12 and Line 13a = (End a.)					1987
14b	Add Line 12 and Line 13b = (End b.)					1987

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box **G-2**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss		(Totals) Add lines 1 thru 10 & enter sum on line 11
1	T-1	943	x	2	=	1886
2			x		=	0
3			x		=	0
4			x		=	0
5			x		=	0
6			x		=	0
7			x		=	0
8			x		=	0
9			x		=	0
10			x		=	0
11	Sub-Total →					1886
12	Divide Line 11 by 2 =					943
13a	This member's uplift load from Steps 3 or 5 (End a.)					608
13b	This member's uplift load from Steps 3 or 5 (End b.)					608
14a	Add Line 12 and Line 13a = (End a.)					1551
14b	Add Line 12 and Line 13b = (End b.)					1551

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box **G-3**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss		(Totals) Add lines 1 thru 10 & enter sum on line 11
1	J7	409	x	5	=	2045
2	K-2	303	x	1	=	303
3			x		=	0
4			x		=	0
5			x		=	0
6			x		=	0
7			x		=	0
8			x		=	0
9			x		=	0
10			x		=	0
11	Sub-Total →					2348
12	Divide Line 11 by 2 =					1174
13a	This member's uplift load from Steps 3 or 5 (End a.)					1276
13b	This member's uplift load from Steps 3 or 5 (End b.)					1276
14a	Add Line 12 and Line 13a = (End a.)					2450
14b	Add Line 12 and Line 13b = (End b.)					2450

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box **G-4**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss		(Totals) Add lines 1 thru 10 & enter sum on line 11
1	T-5	1414	x	3	=	4242
2	T-13	1054	x	1	=	1054
3			x		=	0
4			x		=	0
5			x		=	0
6			x		=	0
7			x		=	0
8			x		=	0
9			x		=	0
10			x		=	0
11	Sub-Total →					5296
12	Divide Line 11 by 2 =					2648
13a	This member's uplift load from Steps 3 or 5 (End a.)					943
13b	This member's uplift load from Steps 3 or 5 (End b.)					943
14a	Add Line 12 and Line 13a = (End a.)					3591
14b	Add Line 12 and Line 13b = (End b.)					3591

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box **G-5**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss		(Totals) Add lines 1 thru 10 & enter sum on line 11
1	J3	227	x	3	=	681
2	K-2	303	x	1	=	303
3			x		=	0
4			x		=	0
5			x		=	0
6			x		=	0
7			x		=	0
8			x		=	0
9			x		=	0
10			x		=	0
11	Sub-Total →					984
12	Divide Line 11 by 2 =					492
13a	This member's uplift load from Steps 3 or 5 (End a.)					943
13b	This member's uplift load from Steps 3 or 5 (End b.)					1276
14a	Add Line 12 and Line 13a = (End a.)					1435
14b	Add Line 12 and Line 13b = (End b.)					1768

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box **G-6**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss		(Totals) Add lines 1 thru 10 & enter sum on line 11
1			x		=	0
2			x		=	0
3			x		=	0
4			x		=	0
5			x		=	0
6			x		=	0
7			x		=	0
8			x		=	0
9			x		=	0
10			x		=	0
11	Sub-Total →					0
12	Divide Line 11 by 2 =					0
13a	This member's uplift load from Steps 3 or 5 (End a.)					904
13b	This member's uplift load from Steps 3 or 5 (End b.)					904
14a	Add Line 12 and Line 13a = (End a.)					904
14b	Add Line 12 and Line 13b = (End b.)					904

STEP No. 6A

Calculate Wind Load Values for all roof framing girder trusses and beams at their bearing points.

(Do NOT list headers over ext. & int. bearing wall openings in this calculation step. See Step No. 7)

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box: **G-7**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss	(Totals) Add lines 1 thru 10 & enter sum on line 11
1	J5	378	x	1 =	378
2	K-3	467	x	1 =	467
3			x	=	
4			x	=	
5			x	=	
6			x	=	
7			x	=	
8			x	=	
9			x	=	
10			x	=	
11	Sub-Total →				845
12	Divide Line 11 by 2 =				423
13a	This member's uplift load from Steps 3 or 5 (End a.)				0
13b	This member's uplift load from Steps 3 or 5 (End b.)				0
14a	Add Line 12 and Line 13a = (End a.)				423
14b	Add Line 12 and Line 13b = (End b.)				423

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box: **G-8**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss	(Totals) Add lines 1 thru 10 & enter sum on line 11
1			x	=	
2			x	=	
3			x	=	
4			x	=	
5			x	=	
6			x	=	
7			x	=	
8			x	=	
9			x	=	
10			x	=	
11	Sub-Total →				0
12	Divide Line 11 by 2 =				0
13a	This member's uplift load from Steps 3 or 5 (End a.)				1431
13b	This member's uplift load from Steps 3 or 5 (End b.)				1431
14a	Add Line 12 and Line 13a = (End a.)				1431
14b	Add Line 12 and Line 13b = (End b.)				1431

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box: **G-9**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss	(Totals) Add lines 1 thru 10 & enter sum on line 11
1	K-1	647	x	2 =	1294
2			x	=	
3			x	=	
4			x	=	
5			x	=	
6			x	=	
7			x	=	
8			x	=	
9			x	=	
10			x	=	
11	Sub-Total →				1294
12	Divide Line 11 by 2 =				647
13a	This member's uplift load from Steps 3 or 5 (End a.)				1431
13b	This member's uplift load from Steps 3 or 5 (End b.)				1431
14a	Add Line 12 and Line 13a = (End a.)				2078
14b	Add Line 12 and Line 13b = (End b.)				2078

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box: **G-9A**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss	(Totals) Add lines 1 thru 10 & enter sum on line 11
1	J7	409	x	2 =	818
2			x	=	
3			x	=	
4			x	=	
5			x	=	
6			x	=	
7			x	=	
8			x	=	
9			x	=	
10			x	=	
11	Sub-Total →				818
12	Divide Line 11 by 2 =				409
13a	This member's uplift load from Steps 3 or 5 (End a.)				409
13b	This member's uplift load from Steps 3 or 5 (End b.)				409
14a	Add Line 12 and Line 13a = (End a.)				818
14b	Add Line 12 and Line 13b = (End b.)				818

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box: **G-9B**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss	(Totals) Add lines 1 thru 10 & enter sum on line 11
1	K-2	303	x	2 =	606
2	J3	227	x	2 =	454
3			x	=	
4			x	=	
5			x	=	
6			x	=	
7			x	=	
8			x	=	
9			x	=	
10			x	=	
11	Sub-Total →				1060
12	Divide Line 11 by 2 =				530
13a	This member's uplift load from Steps 3 or 5 (End a.)				409
13b	This member's uplift load from Steps 3 or 5 (End b.)				409
14a	Add Line 12 and Line 13a = (End a.)				939
14b	Add Line 12 and Line 13b = (End b.)				939

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box: **G-10**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss	(Totals) Add lines 1 thru 10 & enter sum on line 11
1	T-1	943	x	3 =	2829
2			x	=	
3			x	=	
4			x	=	
5			x	=	
6			x	=	
7			x	=	
8			x	=	
9			x	=	
10			x	=	
11	Sub-Total →				2829
12	Divide Line 11 by 2 =				1415
13a	This member's uplift load from Steps 3 or 5 (End a.)				1371
13b	This member's uplift load from Steps 3 or 5 (End b.)				1371
14a	Add Line 12 and Line 13a = (End a.)				2786
14b	Add Line 12 and Line 13b = (End b.)				2786

STEP No. 6A

Calculate Wind Load Values for all roof framing girder trusses and beams at their bearing points.

(Do NOT list headers over ext. & int. bearing wall openings in this calculation step. See Step No. 7)

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box: **G-11**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss		(Totals) Add lines 1 thru 10 & enter sum on line 11
1	K-1	1016	x	1	=	1016
2	J7	624	x	3	=	1872
3			x		=	
4			x		=	
5			x		=	
6			x		=	
7			x		=	
8			x		=	
9			x		=	
10			x		=	
11	Sub-Total →					2888
12	Divide Line 11 by 2 =					1444
13a	This member's uplift load from Steps 3 or 5 (End a.)					977
13b	This member's uplift load from Steps 3 or 5 (End b.)					1322
14a	Add Line 12 and Line 13a = (End a.)					2421
14b	Add Line 12 and Line 13b = (End b.)					2766

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box: **G-12**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss		(Totals) Add lines 1 thru 10 & enter sum on line 11
1	J7	409	x	5	=	2045
2	K-1	647	x	1	=	647
3			x		=	
4			x		=	
5			x		=	
6			x		=	
7			x		=	
8			x		=	
9			x		=	
10			x		=	
11	Sub-Total →					2692
12	Divide Line 11 by 2 =					1346
13a	This member's uplift load from Steps 3 or 5 (End a.)					826
13b	This member's uplift load from Steps 3 or 5 (End b.)					1160
14a	Add Line 12 and Line 13a = (End a.)					2172
14b	Add Line 12 and Line 13b = (End b.)					2506

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box: **G-13**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss		(Totals) Add lines 1 thru 10 & enter sum on line 11
1	J5	532	x	8	=	4256
2	K-3*	715	x	2	=	1430
3			x		=	
4			x		=	
5			x		=	
6			x		=	
7			x		=	
8			x		=	
9			x		=	
10			x		=	
11	Sub-Total →					5686
12	Divide Line 11 by 2 =					2843
13a	This member's uplift load from Steps 3 or 5 (End a.)					1051
13b	This member's uplift load from Steps 3 or 5 (End b.)					1051
14a	Add Line 12 and Line 13a = (End a.)					3894
14b	Add Line 12 and Line 13b = (End b.)					3894

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box: **G-14**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss		(Totals) Add lines 1 thru 10 & enter sum on line 11
1	T-6	1371	x	4	=	5484
2	T-7	1548	x	1	=	1548
3	T-8	1981	x	4	=	7924
4			x		=	
5			x		=	
6			x		=	
7			x		=	
8			x		=	
9			x		=	
10			x		=	
11	Sub-Total →					14956
12	Divide Line 11 by 2 =					7478
13a	This member's uplift load from Steps 3 or 5 (End a.)					1051
13b	This member's uplift load from Steps 3 or 5 (End b.)					1051
14a	Add Line 12 and Line 13a = (End a.)					8529
14b	Add Line 12 and Line 13b = (End b.)					8529

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box: **G-15**

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss		(Totals) Add lines 1 thru 10 & enter sum on line 11
1	T-11	826	x	1	=	826
2			x		=	
3			x		=	
4			x		=	
5			x		=	
6			x		=	
7			x		=	
8			x		=	
9			x		=	
10			x		=	
11	Sub-Total →					826
12	Divide Line 11 by 2 =					413
13a	This member's uplift load from Steps 3 or 5 (End a.)					0
13b	This member's uplift load from Steps 3 or 5 (End b.)					0
14a	Add Line 12 and Line 13a = (End a.)					413
14b	Add Line 12 and Line 13b = (End b.)					413

List all roof frame members that bear their loads on the specific girder truss or beam I.D. No. listed below:

Girder Truss or Beam I.D. No. Box:

Line #	Structural member I.D. No. on plans	Loads from Steps 3 & 5 Values which apply	MATH	Quantity of members with same I.D. No. bearing on this beam or truss		(Totals) Add lines 1 thru 10 & enter sum on line 11
1			x		=	
2			x		=	
3			x		=	
4			x		=	
5			x		=	
6			x		=	
7			x		=	
8			x		=	
9			x		=	
10			x		=	
11	Sub-Total →					
12	Divide Line 11 by 2 =					
13a	This member's uplift load from Steps 3 or 5 (End a.)					
13b	This member's uplift load from Steps 3 or 5 (End b.)					
14a	Add Line 12 and Line 13a = (End a.)					
14b	Add Line 12 and Line 13b = (End b.)					

NOTE

Any girder truss or beam bearing point that has a continuous vertical load path to the foundation is a primary bearing point load. Any girder truss or beam bearing point that bears its load upon another girder truss or beam is a contributory bearing point load.
All girder trusses and beams which do NOT have other girder trusses or beams bearing their load upon them can now be listed with their Step 6A, Line 14a. or b. load values in the Connector Specification Chart.

STEP No. 6B — Establish contributory load values imposed upon girder trusses or beams based on the bearing point location along the span.

List Girder truss or Beam bearing on another Girder Truss or Beam		List Girder truss or Beam which is receiving the load		Divide the LOAD by the SPAN. Equals lbs per Lin.Ft.	List Girder truss or Beam bearing on another Girder Truss or Beam		List Girder truss or Beam which is receiving the load		Divide the LOAD by the SPAN. Equals lbs per Lin.Ft.
I.D. No.	Uplift Load at Bearing point	I.D. No.	SPAN brg. to brg.		I.D. No.	Uplift Load at Bearing point	I.D. No.	SPAN brg. to brg.	
G-6	904	G-7	7.00	129	G-10B	3666	G-14	22.00	167
G-7	552	G-8	23.50	23	G-12	2506	G-15	10.00	251
G-9B	939	G-9A	7.00	134					0
G-9AA	1086	G-9	23.50	46					0
G-3	2450	G-2	13.50	181					0
G-4	3591	G10	32.50	110					0
	From Step 6A Line 14a. or b.			EE ▲		From Step 6A Line 14a. or b.			EE ▲

STEP No. 6C — Calculate all contributory loads imposed upon other Girder Trusses or Beams at all PRIMARY bearing points.

List Girder truss or Beam which is receiving the load		List Girder truss or Beam which is bearing its Load on this Girder Truss or Beam		Multiply "B" Feet times Load "EE" equals load at End "A"	List Girder truss or Beam which is receiving the load		List Girder truss or Beam which is bearing its Load on this Girder Truss or Beam		Multiply "A" Feet times Load "EE" equals load at End "B"
A I.D. No. for End "A"	Load point from End "B" Feet	I.D. No.	Load PLF "EE"		**B** I.D. No. for End "B"	Load point from End "A" Feet	I.D. No.	Load PLF "EE"	
G-7	1.00	G-6	129	129	G-7	6.00	G-6	129	774
G-8	4.50	G-7	23	104	G-8	19.00	G-7	23	437
G-9A	2.00	G-9B	134	268	G-9A	5.50	G-9B	134	737
G-9	8.00	G-9AA	46	368	G-9	15.50	G-9AA	46	713
G-2	6.50	G-3	181	1177	G-2	7.00	G-3	181	1267
G-10	24.00	G-4	110	2640	G-10	8.00	G-4	110	880
G-14	21.00	G-10B	167	3507	G-14	1.00	G-10B	167	167
G-15	7.00	G-12	251	1757	G-15	3.00	G-12	251	753
				0					0
				0					0
				0					0
				0					0
If "FF" is a primary bearing point load go to step 6D otherwise enter "FF" in step 6B and continue				FF ▲	If "FF" is a primary bearing point load go to step 6D otherwise enter "FF" in step 6B and continue				FF ▲

STEP No. 6D — List ALL Girder Trusses and Beams to establish the primary uplift loads at both ENDS A & B for proper connector sizing

List Girder Truss or Beam		Contributory LOADS from STEP 6C						ADD across all values 14a. or b. + all FF values	TOTAL UPLIFT at primary bearing point
I. D. Number Dash End "A" or "B"	Load from Step 6A Line 14a. or b.	FF ▼	FF ▼	FF ▼	FF ▼	FF ▼	FF ▼		
G-7A	423	129						Equals =	552
G-7B	423	774						Equals =	1197
G-8A	1431	104						Equals =	1535
G-8B	1431	437						Equals =	1868
G-9AA	818	268						Equals =	1086
G-9AB	818	737						Equals =	1555
G-9-A	2078	368	713					Equals =	3159
G-9-B	2078	368	713					Equals =	3159
G-2A	1551	1177						Equals =	2728
G-2B	1551	1267						Equals =	2818
G-10A	2786	2640						Equals =	5426
G-10B	2786	880						Equals =	3666
G-14A	8529	3507						Equals =	12036
G-14B	8529	167						Equals =	8696
G-15A	413	1757						Equals =	2170
G-15B	413	753						Equals =	1166
								Equals =	0
								Equals =	0
								Equals =	0
								Equals =	0

STEP No. 7

· Calculate Wind Load Values for all opening headers at their bearing points.

(List headers over exterior & interior bearing wall openings in this calculation step.)

NOTE: Non-symetrical header loading with extreme loads require special calculations in a different format. Use Step 6A thru 6D.

List all roof frame members that bear their loads on the specific opening header I.D. No. listed below:

Opening Header I.D. No. H-1

Line #	Structural member I.D. number on plans	Uplift Loads acting on this HEADER	MAT H	Quantity of members with same I.D. No. bearing on this open'g header		(Totals) Add lines 1 thru 4 and enter sum on line 5
1	T-2	943	X	2	=	1886
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					1886
6	Divide Line 5 by 2 =					943

Opening Header I.D. No. H-2

Line #	Structural member I.D. number on plans	Uplift Loads acting on this HEADER	MAT H	Quantity of members with same I.D. No. bearing on this open'g header		(Totals) Add lines 1 thru 4 and enter sum on line 5
1	T-2	943	X	1	=	943
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					943
6	Divide Line 5 by 2 =					472

Opening Header I.D. No. H-3

Line #	Structural member I.D. number on plans	Uplift Loads acting on this HEADER	MAT H	Quantity of members with same I.D. No. bearing on this open'g header		(Totals) Add lines 1 thru 4 and enter sum on line 5
1	T-10	923	X	2	=	1846
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					1846
6	Divide Line 5 by 2 =					923

Opening Header I.D. No. H-4

1	T-7	1682	X	1	=	1682
2	T-8	1981	X	4	=	7924
3	T-9	1322	X	1	=	1322
4			X		=	0
5	Sub-Total ⟶					10928
6	Divide Line 5 by 2 =					5464

Opening Header I.D. No. H-5

1	J-0	1322	X	3	=	3966
2	G-11	2766	X	1	=	2766
3	J5	1020	X	1	=	1020
4	J3	807	X	2	=	1614
5	Sub-Total ⟶					9366
6	Divide Line 5 by 2 =					4683

Opening Header I.D. No. H-6

1	J7	1017	X	2	=	2034
2	J5	1020	X	1	=	1020
3	J3	807	X	1	=	807
4	J1	595	X	1	=	595
5	Sub-Total ⟶					4456
6	Divide Line 5 by 2 =					2228

Opening Header I.D. No. H-7

1	J5	1020	X	4	=	4080
2	J3	807	X	1	=	807
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					4887
6	Divide Line 5 by 2 =					2444

Opening Header I.D. No. H-8

1	J5	1020	X	4	=	4080
2	J3	807	X	1	=	807
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					4887
6	Divide Line 5 by 2 =					2444

Opening Header I.D. No. H-9

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-10

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-11

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-12

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-13

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-14

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-15

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-16

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-17

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-18

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-19

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-20

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-21

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-22

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-23

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-24

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-25

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-26

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

Opening Header I.D. No. H-27

1			X		=	0
2			X		=	0
3			X		=	0
4			X		=	0
5	Sub-Total ⟶					0
6	Divide Line 5 by 2 =					0

List I.D. numbers of all Opening Headers along with their respective Line #6 load values on the Connector Specification Chart.

STEP No. 8

Calculate lateral loads perpendicular and horizontal to bearing surface for all roof frame members.

General Information

Roof Pitch Ratio	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
Pitch Angle Degrees	5 Degrees	10 Degrees	14 Degrees	19 Degrees	23 Degrees	27 Degrees	30 Degrees	34 Degrees	37 Degrees	40 Degrees	43 Degrees	45 Degrees
Perpendicular Force factor	0.05883	0.12501	0.18422	0.26762	0.34329	0.42857	0.50002	0.60715	0.69814	0.80002	0.91498	1.00000
Horizontal Force factor	0.03530	0.07501	0.11053	0.16057	0.20597	0.25714	0.30001	0.36429	0.41888	0.48001	0.54894	0.60000

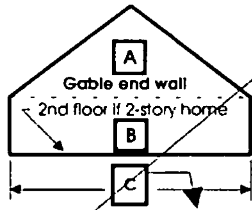
	Col. A	Col. B	Col. C	Col. D	Col. E	Col. F		Col. A	Col. B	Col. C	Col. D	Col. E	Col. F
Roof frame member I.D. No. on plans	Uplift load from Steps 3, 5 or 6	Enter Roof Pitch Ratio	Enter Perpendicular Force factor from above	Enter Horizontal Force factor from above	Lateral Load Perpendicular to bearing surface Lbs.	Lateral Load Horizontal to bearing surface Lbs.	Roof frame member I.D. No. on plans	Uplift load from Steps 3, 5 or 6	Enter Roof Pitch Ratio	Enter Perpendicular Force factor from above	Enter Horizontal Force factor from above	Lateral Load Perpendicular to bearing surface Lbs.	Lateral Load Horizontal to bearing surface Lbs.
T-1	1276	6	0.42857	0.25714	547	328						0	0
T-2	1276	6	0.42857	0.25714	547	328						0	0
T-3	1237	6	0.42857	0.25714	530	318						0	0
T-4	1431	6	0.42857	0.25714	613	368						0	0
T-5	1716	6	0.42857	0.25714	735	441						0	0
T-6	1673	6	0.42857	0.25714	717	430						0	0
T-7	1682	6	0.42857	0.25714	721	433						0	0
T-8	1981	6	0.42857	0.25714	849	509						0	0
T-9	1322	6	0.42857	0.25714	567	340						0	0
T-10	1257	6	0.42857	0.25714	539	323						0	0
T-11	1160	6	0.42857	0.25714	497	298						0	0
T-12	1355	6	0.42857	0.25714	581	348						0	0
T-13	1054	6	0.42857	0.25714	452	271						0	0
J1	595	6	0.42857	0.25714	255	153						0	0
J3	807	6	0.42857	0.25714	346	208						0	0
J5	1020	6	0.42857	0.25714	437	262						0	0
J7	1017	6	0.42857	0.25714	436	262						0	0
K1	1529	6	0.42857	0.25714	655	393						0	0
K2	986	6	0.42857	0.25714	423	254						0	0
K3	1017	6	0.42857	0.25714	436	262						0	0
G-1	1987	6	0.42857	0.25714	852	511						0	0
G-2	2818	6	0.42857	0.25714	1208	725						0	0
G-3	2450	6	0.42857	0.25714	1050	630						0	0
G-4	3591	6	0.42857	0.25714	1539	923						0	0
G-5	1768	6	0.42857	0.25714	758	455						0	0
G-6	904	6	0.42857	0.25714	387	232						0	0
G-7	1197	6	0.42857	0.25714	513	308						0	0
G-8	1868	6	0.42857	0.25714	801	480						0	0
G-9	3159	6	0.42857	0.25714	1354	812						0	0
G-10	5426	6	0.42857	0.25714	2325	1395						0	0
G-11	2766	6	0.42857	0.25714	1185	711						0	0
G-12	2506	6	0.42857	0.25714	1074	644						0	0
G-13	3894	6	0.42857	0.25714	1669	1001						0	0
G-14	12036	6	0.42857	0.25714	5158	3095						0	0
G-15	2170	6	0.42857	0.25714	930	558						0	0
G-9A	1555	6	0.42857	0.25714	666	400						0	0
K-3'	1265	6	0.42857	0.25714	542	325						0	0
					0	0						0	0
					0	0						0	0
					0	0						0	0
					0	0						0	0
					0	0						0	0
					0	0						0	0
					0	0						0	0
					0	0						0	0
					0	0						0	0
					0	0						0	0
					0	0						0	0
					0	0						0	0
Columns & Calculation Instructions	A	B	C	D	E	F	Columns & Calculation Instructions	A	B	C	D	E	F
				A x C = E	A x D = G						A x C = E	A x D = F	

STEP No. 9A Lateral Loads perpendicular to Wood Gables

Calculate connector requirements for Gables at top of wall line.

This step will determine the maximum center distance between the specified connectors as shown in the last phase of this calculation step.

** OMIT STEP 8B IF MASONRY GABLE.



Verify roof diaphragm and nailing for this shear load.

Gable I.D. No. on plans	Enter square foot Area ABOVE Wall line [A] *Enter for Wood Gable ONLY*	MATH	Enter square foot Area BELOW Wall line [B] *Omit if wall is masonry construction*		Math Function Value (results)	MATH	Enter Rect. velocity press. Step 1		Math Function Value (results)	MATH	Fixed Value for wall Wd = 0.6 CMU=0.9		Math Function Value (results)	MATH	Gable Width [C]		Shear Load per lineal Foot
GF-1	Sq.Ft.	+	Sq.Ft.	=	0	x		=	0	x	0.6 or 0.9	=		/		=	0
GF-2	Sq.Ft.	+	Sq.Ft.	=	0	x		=	0	x	0.6 or 0.9	=		/		=	0
GF-3	Sq.Ft.	+	Sq.Ft.	=	0	x		=	0	x	0.6 or 0.9	=		/		=	0
GF-4	Sq.Ft.	+	Sq.Ft.	=	0	x		=	0	x	0.6 or 0.9	=		/		=	0

Gable Wall requirements with VAULTED ceilings:
Framed walls must be continuous floor to roof, masonry walls to be continuous or have wood gables secured to a level bond beam.

A gable end wall scissor truss is NOT permitted except for use as a framing guide and ceiling diaphragm nailer.

Gable I.D. No. on plans	List manufacturer's perpendicular to plat load value for the connector specified: Connector Part No. (List Now)	Rated Lateral Load	MATH	Shear Load per lineal Foot from above		Maximum centers between connectors (Feet)
GF-1			/	0	=	0.00
GF-2			/	0	=	0.00
GF-3			/	0	=	0.00
GF-4			/	0	=	0.00

Gable end wall requirements with FLAT Ceilings:
All gable end walls must be continuous framed or continuous masonry from the floor to the flat ceiling line.

All ceiling support members within 8 feet of the exterior gable wall must have 2x4 blocking between them at 48" on center.

If the ridge height of a gable truss exceeds 8 ft. above the flat ceiling line, a wood gable shall be hand framed with 2 x [GG] at 16" O.C..

fb = 1000 < 101 mph
fb = 1200 < 121 mph
fb = 1400 < 141 mph

Remarks:

Specify connector manufacturer HERE

Approved Alternate Anchorage for Gable truss and mandatory anchorage for framed gable on masonry end wall:
A minimum 2x8 pressure treated wood plate shall be bolted to the bond beam with 1/2 inch dia. anchor bolts at the following centers per wind speed (mph)

Velocity	up to 100	101 to 120	121 to 140
Bolt Ctr's	4 Feet	3 Feet	2 Feet

[GG] Gable Stud Size: Wind (mph) Velocity	Maximum Gable Ridge Height Above Ceiling: 8 Feet	10 feet	12 feet	14 feet	16 feet	18 feet
up to 100	2x4	2x4	2x6	2x6	2x6	2x8
101 to 120	2x4	2x6	2x8	2x8	2x8	2x10
121 to 140	2x6	2x8	2x8	2x8	2x10	2x10

NOTE: All ceiling diaphragms abutting any exterior or interior load bearing walls including end walls shall be backed adjacent to these walls with 2x blocking and approved fasteners for the ceiling diaphragm along the perimeter of these walls shall be on the following centers: Wind Velocity to 110 mph: fasteners to be 7" O.C. & Wind Velocity from 110 mph to 140 mph: fasteners to be 5" O.C.

STEP No. 9B Lateral Shear Loads for Wood Frame End Walls, Side Walls & Interior Shearwalls (plf)

Subject Wall I.D. No. on plans	Half the Lgth. of loading wall acting on subj.	MATH	Mean roof ht. Minus half the wall height		Area acting on subject shear wall	MATH	Rect. velocity press. Step 1 X 1.4 Hip X 1.5 Gabl		Math Function Value (results) [HH]	Length of Subject Wall	MATH	Sum of subj. wall window & door open'g. widths		Math Function Value (results) [II]	Enter Value [HH]	MATH	Enter Value [II]		Lateral Shear force on Wall PLF
		x		=	0	x		=	0		-		=	0.0	0	/	0.0	=	0
		x		=	0	x		=	0		-		=	0.0	0	/	0.0	=	0
		x		=	0	x		=	0		-		=	0.0	0	/	0.0	=	0
		x		=	0	x		=	0		-		=	0.0	0	/	0.0	=	0
		x		=	0	x		=	0		-		=	0.0	0	/	0.0	=	0
		x		=	0	x		=	0		-		=	0.0	0	/	0.0	=	0
		x		=	0	x		=	0		-		=	0.0	0	/	0.0	=	0
		x		=	0	x		=	0		-		=	0.0	0	/	0.0	=	0
		x		=	0	x		=	0		-		=	0.0	0	/	0.0	=	0
		x		=	0	x		=	0		-		=	0.0	0	/	0.0	=	0
		x		=	0	x		=	0		-		=	0.0	0	/	0.0	=	0
		x		=	0	x		=	0		-		=	0.0	0	/	0.0	=	0
		x		=	0	x		=	0		-		=	0.0	0	/	0.0	=	0

Note 1. A factored velocity pressure has been applied over the wall area to compensate for bi-lateral shear forces generating torsion on the diaphragm.
Note 2. See Engineer's Select-A-Spec for wall stud size, stud center distance and stud material with species.
Note 3. See Engineer's Select-A-Spec for wall sheathing diaphragm thickness, sheathing material, nail size and nailing center distance.

STEP No. 9C 8" Masonry Walls & Shearwalls General Reinforcement Specification

No. 1. See Engineer's Select-A-Spec for required size and number of vertical bars to be grouted in the CMU cells and the maximum center distance between vertical bar reinforcement.

No. 2. One number 7 bar or one number 9 bar shall be permitted as an alternate for two number 5 bars or two number 7 bars respectively.

No. 3. Reinforcing steel bar requirements shall not be additive when the reinforcing location happens to fulfil more than one requirement. In all cases the most stringent requirements shall be applicable.

No. 4. All shearwall segment lengths which are less than one-half the floor to ceiling height and greater than 1'-4" shall be constructed with column block, solid grouted with double the specified vertical reinforcement bars at each end of the wall segment and at center of the wall segment's length if the wall segment is 3 feet or greater in length.

STEP No. 9D Calculate Uplift Shear Loads for all Wood Frame Walls (p

This step will determine if uplift loads exceed the shear capacity of the specified wall diaphragm and nailing

** *Omit any roof structural member having a direct vertical connector tie to the foundation, such as girders,*

Wall I.D. Number EW# SW#	Add total uplift loads for all roof members bearing on top of wall ** Enter value here:	MATH	Length of Wall Less all opening widths		Equals Uplift Shear Load (PLF)	MATH	Enter Wall Uplift Shear Capacity		If Neg. STOP! If POS. Cont. ▶	Connectors for Stud to plates: Top Plate part No. (list now):	Sill Plate part No. (list now):	Min. Rated uplift load for the connector	MATH	Enter Value ⇩		Maximum center distanc between connectors (Feet)
X-1	10373	/	27	=	391	-	285	=	106	TP4X	TP4X	1800	/	106	=	16.91
X-2	2710	/	12	=	226	-	285	=	-59	TP4X	TP4X	1800	/	-59	=	-30.42
X-3	6461	/	14	=	462	-	285	=	177	TP4X	TP4X	1800	/	177	=	10.20

Note: If uplift shear loads exceed shearwall uplift capacities additional connectors will be required to tie studs to sill plate and to double top plates.

JJ

Specify connector manufacturer HERE: HUGHES

Engineer Approved Connector Specification Chart

Changes to this chart must be accompanied by an Engineering Change Order from a Registered Engineer.

Connector location symbol key

"A"	"B"	"C"	"D"		"E"	"F"	"G"	"H"
Roof frame member to top of wall	Wall stud(s) to sill plate or foundation	Opening Headers to studs, jacks or cripples	Foundation or stemwall to rim joist or sill		Rim Joist to stud including and/or sill plate	Column bases and Column caps	Two story, lower wall to 2nd floor to upper wall	Special Location "Describe"

Connector Manufacturer symbol key

HUGHES Manufacturing, Inc. Use the Letter "H"	Simpson Strong-Tie Company, Inc. Use the Letter "ST"	Southeastern Metals Mfg. Co., Inc. Use the Letter "SM"	Other manufacturers. Specify Name Use "X"

CONNECTOR CHART

Fasteners to be as per manufacturer's recommendation unless otherwise noted

Structural member I.D. No. as shown on Plans	Enter load values, use 2 lines if load differs at ends of same member: Uplift Load at bearing point	Perpendicular load to bearing	Horizontal load to bearing	Connector Symbols: for location	For Mfg.	Manufacturer's connector Part Number	Quantity req'd. at each LOCATION	Size of nails and number of nails required at each connector	Building Inspector's Check-Off Column
T-1	1276	SEE	STEP 8	A	H	TA20	1		
T-2	1276			A	H	TA20	1		
T-3	1237			A	H	TA20	1		
T-4	1431			A	H	TA20	2		
T-5	1716			A	H	TA20	2		
T-6	1673			A	H	TA20	2		
T-7	1682			A	H	TA20	2		
T-8	1981			A	H	TA20	2		
T-9	1322			A	H	TA20	2		
T-10	1257			A	H	TA20	1		
T-11	1160			A	H	TA20	1		
T-12	1355			A	H	TA20	2		
T-13	1054			A	H	TA20	1		
J1	595			A	H	TA20	1		
J3	807			A	H	TA20	1		
J5	1020			A	H	TA20	1		
J7	1017			A	H	TA20	1		
K1	1529			A	H	TA20	2		
K2	986			A	H	TA20	1		
K3	1017			A	H	TA20	1		
G-1	1987			A	H	TA20	2		
G-2	2818			A	H	TA20	3		
G-3	2450			A	H	TA20	2		
G-4	3591			A	H	TA20	3		
G-5	1768			A	H	TA20	2		
G-6	904			A	H	TA20	1		
G-7	1197			A	H	TA20	1		
G-8	1868			A	H	TA20	2		
G-9	3159			A	H	TA20	3		
G-9A	1555			A	H	TA20	2		
G-10	5426			A	H	TA24	4		
G-11	2766			A	H	TA20	2		
G-12	2506			A	H	TA20	2		
G-13	3894			A	H	TA20	3		
G-14A	12036			A	H	SEE DETAIL			
G-14B	8696			A	H	SEE DETAIL			
G-15	2170			A	H	TA20	2		
K-3*	1265			A	H	RT22TW	1		
H-1 to H-3	943			C	H	RT18	1		
H-4 to H-5	5464			C	H	TA24	4		
H-6 to H-7	2444	▼	▼	C	H	TA24	2		

CONNECTOR CHART (Cont.)

Fasteners to be as per manufacturer's recommendation unless otherwise noted

Structural member I.D. No. as shown on Plans	Enter load values, use 2 lines if load differs at ends of same member			Connector Symbols		Manufacturer's connector Part Number	Quantity req'd. at each LOCATION	Size of nails and number of nails required at each connector	Building Inspector's Check-Off Column
	Uplift Load at bearing point	Perpendicular load to bearing	Horizontal load to bearing	for location	For Mfg.				
T-2	1276	SEE	STEP 8	A	H	RT22TW	1		
T-12	1355	SEE	STEP 8	A	H	RT22TW	1		
J1	595	SEE	STEP 8	A	H	RT22TW	1		
J3	807	SEE	STEP 8	A	H	RT22TW	1		
J5	1020	SEE	STEP 8	A	H	RT22TW	1		
J7	1017	SEE	STEP 8	A	H	RT22TW	1		
T-9	1322	SEE	STEP 8	A	H	RT22TW	1		
T-10	1257	SEE	STEP 8	A	H	RT22TW	1		
G-5	1768	SEE	STEP 8	A	H	RT22TW	1		
G-11	2766	SEE	STEP 8	A	H	RT22TW	2		
G-13	3894	SEE	STEP 8	A	H	WWUC SYSTEM			
G-15	2170	SEE	STEP 8	A	H	RT22TW	2		

Engineer's Specifications for Wood and Masonry Construction including Roof Sheathing:

NOTES: All fastenings must be in strict compliance with S.B.C.C.I. Code 1705 and, or meet local requirements.
All Wood Construction must conform to the provisions of Chapter 17 in the S.B.C.C.I. Standard Building Code and, or meet the local requirements of any other applicable code* or code amendments adopted by the community in which this specific structure is being constructed.
All Masonry Construction must conform to the provisions of Chapter 14 in the S.B.C.C.I. Standard Building Code and, or meet the local requirements of any other applicable code* or code amendments adopted by the community in which this specific structure is being constructed. **Such as the South Florida Building Code or others.*

Any specification shown hereon shall supersede any conflicting specification shown on the submitted drawings.

Masonry and Wood Const. Roof sheathing to be:		Wood Construction: Single story or two story 2nd floor wall sheathing & studs		Wood Construction: Two story first floor wall sheathing & studs		Masonry Construction of Hollow Load Bearing Units: Single story or two story 2nd floor wall const.		Masonry Construction of Hollow Load Bearing Units: First floor wall construction for a two story structure	
Thick	23/32"	Thick	NONE	Thick		Wall reinforcing per spacing		Wall reinforcing per spacing	
Mat'l.	PLY	Mat'l.		Mat'l.		Bar size	7	Bar size	
nail size	10dOR8dRS	nail size		nail size		Bars req'd	1	Bars req'd	
nailing*	4"O.C.	Shearwall lateral load		Shearwall lateral load		Dowel size	7	Dowel size	
Ply-clip	"O.C.	nailing*	"O.C.	nailing*	"O.C.	Max. Ctrs.	16	Max. Ctrs.	
Part #		Shearwall uplift load		Shearwall uplift load		Wall thick	8 inches	Wall thick	8 inches
1 Story Footings		nailing*	"O.C.	nailing*	"O.C.	Bond beam	cmu / cast X	Bond beam	cmu / cast
size	16X16	**Studs**	2x4	**Studs**	X	beam size	8" X 16"	beam size	8" X
stl. req'd	3 #5's	Centers	16 inches	Centers	inches	steel req'd	4 # 7	steel req'd	
concrete	2000 PSI	Species & Grade	Fb 1400 OR BETTER	Species & Grade		Grout	3000 PSI	Grout	PSI
Interior Footings						Min shear wall lgth.	6' end wall / 1.' side wall	Min shear wall lgth.	end wall / side wall
size	12X16	**Sill plate anchor**		**Sill plate anchor**		**8" Masonry Gable**			
stl. req'd	3 #5's	Part #	1/2" A. Bolt	Part #		Wall reinforcing per spacing		Rake beam requirements	
concrete	2000 PSI	Max ctr.	24"	Max ctr.		Bar size		Bar size	
2 Anchors req'd. each corner & wall opening use wsh-916 washers		Remarks: *Nailing center distance specified above is for perimeter edge of sheathing, interior nailing of sheathing is 12"O.C.				Bars req'd		Bars req'd	
						Max. Ctrs.		Min. Depth	

This Structural Engineer of Record certifies that I have directed, supervised and reviewed these Wind Load Calculations and declare that the wind load values, connector specifications and material specifications shown hereon have been properly determined by the provisions of ASCE Standard 7-93, Section 6, for this specific structure. An impact resistance code has not been specified by this engineer for the exterior window and door openings of this structure. Storm panels are recommended.

Note: This Engineer of Record has delegated other engineers to design and certify the structural credibility of any pre-engineered and manufactured structural building components or roof / floor truss systems including required connectors (factory or field installed) which are intrinsically associated parts of the components or truss systems.

ENGINEER'S SPECIAL INSTRUCTIONS & REMARKS:

This Engineer of Record is for structural only and not to be considered the Engineer of Record with total responsibility for all specifications relative to this entire structure and specific site location including energy code, electrical, plumbing, HVAC, soil conditions, survey & drainage unless otherwise indicated.

Contractor _____ Address _____
City/State/Zip _____ Phone: _____
Job Address _____ City _____
Building Dept. _____
Legal Description: _____

Residence for: GRADY

Engineer's Name WILLIAM J MATHERS
State Registration Number 19658 in the State of FL
Address 1111 S. FEDERAL HWY. SUITE 226
City STUART State FL Zip 34994
Phone (Area code) 407 Number 287-0525

Structural Engineer of Record's SEAL

Date: 6/17/94

ENGINEER'S SIGNATURE: W. J. Mathers

Hurricane Engineering Corporation, 1111 South Federal Hwy., Suite 226, Stuart, FL 34994 **Phone: 407 / 221-8639**

FLA. 1977 LAWS
FS 713.13

RAMCO FORM 408

Notice of Commencement

(PREPARE IN DUPLICATE)

To whom it may concern:

The undersigned hereby informs all concerned that improvements will be made to certain real proper and in accordance with section 713.13 of the Florida Statutes, the following information is stated in th NOTICE OF COMMENCEMENT.

Legal Description of property (include Street Address, if available) #16 RIO VISTA

SEWALLS PT

LOT-69 RIO VISTA S/D

General description of improvements SWIMMING POOL

Owner KEVIN GRADY

Address 284 NE BLAIRWOOD TRACE JB FL 34957

Owner's interest in site of the improvement 100 %

Fee Simple Title holder (if other than owner)

Name —

Address —

Contractor DESTEFANO POOLS INC

Address 2882 SE DURANT AVE STUART FL 34997

Surety (if any) —

Address — Amount of bond $ —

Any person making a loan for the construction of the improvements:

Name —

Address —

Person within the State of Florida designated by owner upon whom notices or other documents may be serv

Name —

Address —

In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice provided in Section 713.13 (1) (h), Florida Statutes. (Fill in at Owner's option).

Name —

Address —

CIRCUIT COURT ★ MARTIN COUNTY, FLORIDA

THIS SPACE FOR RECORDER'S USE ONLY

STATE OF FLORIDA
COUNTY OF MARTIN

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

MARSHA STILLER, CLERK

BY Marsha D.C.

DATE 9-23-97

Kevin J. Grady
Owner

Sworn to and subscribed before me this

21ST day of SEPT 1994

Notary Public

"OFFICIAL NOTARY SEAL"
WILLIAM T. DeSTEFANO
Notary Public, State of Florida
Commission No. CC266212
My Commission Expires 3/27/97
Bonded Through Fla. Notary Service & Bonding Co.
1-800-3-NOTARY

3682

SCREEN ENCLOSURE

Date

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

3682

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

Owner Grady Present Address 163 Rio Vista Drive

Phone 225-6587

Contractor East Coast Specialties Inc Address 1758 Biltmore

Phone 407- -871-1922 Pt. St. Lucie Fla. 34984

St. Lucie Indian River Martin

Where licensed Martin Co. Dade License number SPO 2074

Pt. St. Lucie Okeechobee

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: Screen Enclosure 39'2" - X 30' Mansard

Over existing Pool.

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

163 Rio Vista Drive.

Subdivision Sewall's Pt. Lot number 69 Block number _____

Contract price $ 3700.00 Cost of permit $ 100.00

Plans approved as submitted _____ Plans approved as marked _____

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

RECEIVED NOV 9 1994

Contractor East Coast Specialties Michael A. Hall

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 Grady M.H.

TOWN RECORD

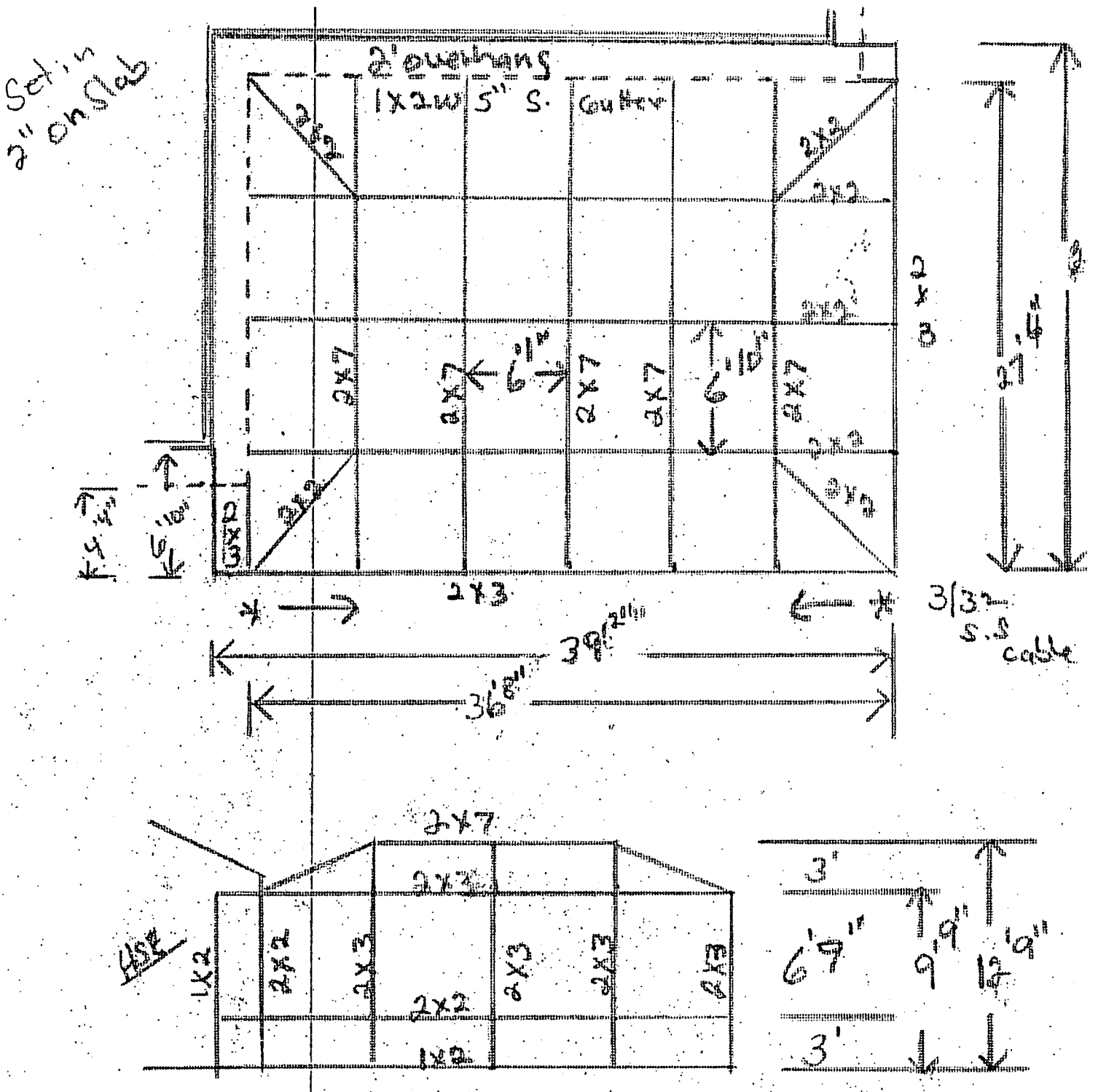
Date submitted _____ Approved: Dale Brown 11/9/94
Building Inspector Date

Approved: _____ Final Approval given: _____
Commissioner Date Date

Certificate of Occupancy issued (if applicable) _____
Date

SP1282 Permit No. _____

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



Frame Plan

M/M Grady

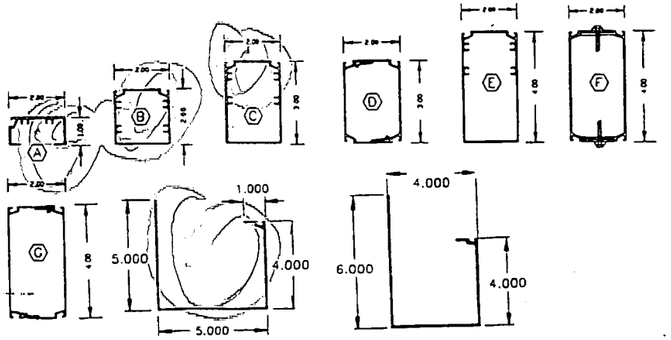
163 Rio Linda Drive

East Coast Specialties, Inc.

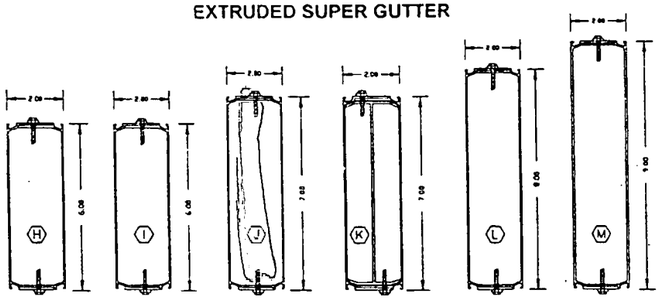
1/2" = 1FT 11/24/94

M. Hall

ALUMINUM EXTRUSIONS ID CHART



EXTRUDED SUPER GUTTER



MARK	DESCRIPTION	WT #/FT	AREA	WALL t	FLANGE t
A	1" x 2" OPEN BACK	.296	.247	.045	.045
B	2" x 2" PATIO BEAM	.537	.447	.045	.045
C	2" x 3" PATIO BEAM	.695	.579	.050	.050
D	2" x 3" SNAP BEAM	.800	.667	.055	.055
E	2" x 4" PATIO BEAM	.815	.679	.050	.050
F	2" x 4" SMB	1.104	.921	.055	.120
G	2"X 4" SMS	.801	.668	.045	.045
H	2" x 6" SMB	1.368	1.140	.055	.120
I	2" x 6" SMB	1.409	1.174	.055	.135

MARK	DESCRIPTION	WT #/FT	AREA	WALL t	FLANGE t
J	2" x 7" SMB	1.649	1.374	.062	.135
K	2" x 7" SMB W/INSERT	2.837	2.365	.14	.26
L	2" x 8" SMB	2.089	1.744	.072	.177
M	2" x 9" SMB	2.391	1.992	.072	.224

MAX ROOF BEAM SPAN.
SCREEN ROOF / SCREEN WALLS
WIND 110. MIN. DEFLECTION L/60.

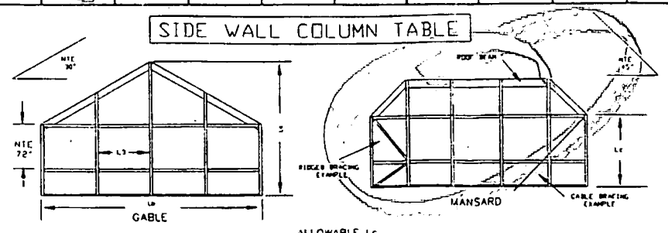
COLUMN USED

ROOF BEAM USED	MAX SPACING CENTERS	(C) 2 X 3 PB	(D) 2 X 3 SMS	(E) 2 X 4 PB	(G) 2 X 4 SMS	(F) 2 X 4 SMB	(H) 2 X 6 SMB	(J) 2 X 6 SMB	(L) 2 X 8 SMB	(M) 2 X 9 SMB
2 X 4 SMB (F)	4'-0"	22'-6"	22'-6"	23'-2"	23'-1"	23'-2"	23'-2"	23'-2"	23'-2"	23'-2"
	5'-0"	21'-0"	21'-0"	21'-8"	21'-7"	21'-10"	21'-10"	21'-10"	21'-10"	21'-10"
	6'-0"	19'-6"	19'-6"	20'-4"	20'-3"	20'-6"	20'-6"	23'-2"	20'-8"	20'-8"
	7'-0"	18'-8"	18'-6"	19'-3"	19'-2"	19'-6"	19'-6"	19'-6"	19'-6"	19'-6"
	8'-0"	17'-9"	17'-9"	18'-4"	18'-3"	18'-9"	18'-9"	18'-9"	18'-9"	18'-9"
2 X 6 SMB (H)	4'-0"	29'-2"	29'-6"	29'-6"	29'-7"	30'-9"	30'-9"	30'-9"	30'-9"	30'-9"
	5'-0"	27'-2"	27'-6"	27'-7"	27'-6"	28'-7"	28'-9"	28'-9"	28'-9"	28'-9"
	6'-0"	25'-8"	26'-0"	26'-1"	26'-0"	26'-11"	27'-3"	27'-3"	27'-3"	27'-3"
	7'-0"	24'-8"	24'-9"	24'-10"	24'-10"	25'-8"	26'-1"	26'-1"	26'-1"	26'-1"
	8'-0"	23'-8"	23'-9"	23'-10"	23'-10"	24'-7"	25'-1"	25'-1"	25'-1"	25'-1"
2 X 7 SMB (J)	4'-0"	32'-8"	32'-10"	33'-0"	32'-11"	34'-0"	34'-7"	34'-7"	34'-7"	34'-7"
	5'-0"	30'-3"	30'-7"	30'-8"	30'-7"	31'-7"	32'-3"	32'-3"	32'-3"	32'-3"
	6'-0"	28'-7"	28'-10"	28'-11"	28'-11"	29'-9"	30'-5"	30'-5"	30'-5"	30'-5"
	7'-0"	27'-3"	27'-6"	27'-7"	27'-6"	28'-3"	29'-2"	29'-2"	29'-2"	29'-2"
	8'-0"	26'-2"	26'-5"	26'-5"	26'-5"	27'-1"	28'-0"	28'-0"	28'-0"	28'-0"
2 X 8 SMB (L)	4'-0"	38'-11"	39'-3"	39'-4"	39'-3"	40'-2"	41'-8"	41'-8"	41'-8"	41'-8"
	5'-0"	36'-3"	36'-6"	36'-7"	36'-6"	37'-4"	38'-7"	38'-10"	38'-10"	38'-10"
	6'-0"	34'-2"	34'-5"	34'-6"	34'-5"	35'-1"	36'-3"	36'-9"	36'-9"	36'-9"
	7'-0"	32'-7"	32'-9"	32'-10"	32'-9"	33'-5"	34'-5"	35'-0"	35'-0"	35'-0"
	8'-0"	31'-2"	31'-5"	31'-5"	31'-5"	32'-0"	32'-11"	33'-5"	33'-5"	33'-5"
2 X 9 SMB (M)	4'-0"	42'-6"	42'-10"	42'-11"	42'-10"	43'-6"	45'-0"	45'-8"	45'-8"	45'-8"
	5'-0"	39'-7"	39'-9"	39'-10"	39'-10"	40'-6"	41'-8"	42'-4"	42'-6"	42'-6"
	6'-0"	37'-4"	37'-6"	37'-7"	37'-6"	38'-2"	39'-2"	39'-9"	40'-2"	40'-2"
	7'-0"	35'-6"	35'-8"	35'-9"	35'-8"	36'-3"	37'-2"	37'-9"	38'-3"	38'-3"
	8'-0"	34'-0"	34'-2"	34'-3"	34'-3"	34'-9"	35'-7"	36'-1"	36'-6"	36'-6"

MAX COLUMN HEIGHT.
SCREEN ROOF / SCREEN WALLS
WIND 110. MIN. DEFLECTION L/60.

MAX SPACING CENTER	2X3PB (C)	2X3SMS (D)	2X4PB (E)	2X4SMB (F)	2X4SMS (G)	2X6SMB (H)	2X7SMB (J)	2X8SMB (L)	2X9SMB (M)
4'-0"	11'-11"	12'-8"	14'-8"	17'-0"	14'-8"	23'-3"	26'-3"	31'-8"	34'-8"
5'-0"	11'-0"	11'-9"	13'-5"	15'-9"	13'-1"	21'-2"	23'-4"	28'-9"	30'-10"
6'-0"	10'-2"	11'-0"	12'-10"	14'-9"	12'-0"	19'-3"	21'-3"	26'-3"	28'-2"
7'-0"	9'-9"	10'-6"	11'-4"	13'-9"	11'-1"	17'-10"	19'-7"	24'-2"	25'-11"
8'-0"	9'-4"	9'-10"	10'-8"	12'-10"	10'-5"	16'-7"	18'-4"	22'-8"	24'-3"

SIDE WALL COLUMN TABLE



ALLOWABLE Lc

L3	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
4'	11'-11	13'-10	14'-7	17'-5	20'-1	22'-10	23'-3	26'-3
5'	10'-8	12'-9	13'-1	16'-5	18'-10	20'-10	21'-4	23'-11
6'	9'-9	11'-9	11'-11	15'-7	17'-5	19'-3	19'-8	21'-11
7'	9'-0	10'-10	11'-1	14'-8	16'-4	18'-0	18'-4	20'-5
8'	8'-5	10'-7	10'-4	13'-11	15'-6	16'-10	17'-4	19'-4

L3	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)
4'	30'-7	30'-6	33'-8	35'-3	12'-6	12'-6	19'-8	32'-10
5'	28'-0	28'-1	30'-8	32'-11	11'-2	11'-2	17'-4	29'-4
6'	26'-3	25'-9	27'-11	30'-1	10'-0	10'-2	15'-10	26'-6
7'	24'-9	23'-11	25'-9	27'-11	9'-2	9'-4	14'-6	24'-6
8'	23'-2	22'-6	24'-0	26'-1	8'-6	8'-8	13'-6	22'-8

SCREEN ROOF ENCLOSURES

CODES:
1. STANDARD BUILDING CODE, 1991 EDITION.
2. ALUMINUM STANDARDS AND DATA, 1988 EDITION.
3. SPECIFICATIONS FOR ALUMINUM STRUCTURES, CONSTRUCTION MANUAL SERIES - SEC. 1

DESIGN LOADS:
1. SCREEN ROOFS - 7 #P.S.F. UPWARD AND DOWNWARD
2. SCREEN WALLS - 13 #P.S.F. INWARD AND OUTWARD
3. SOLID ROOF - LIVE LOAD - 30 #P.S.F., DEAD LOAD 2 #P.S.F.

DEFLECTIONS: SCREEN AND SINGLE ASSEMBLY SOLID ROOFS - L/60 - COMPOSITE ROOFS - L/120

WINDLOAD: 110 M.P.H.

MATERIALS:
1. EXTRUSIONS, SECTIONS, ANGLES, PLATES: 6063-T6
2. FIBERGLASS SCREENING: 60% OPEN - NOTE: EACH SCREEN PANEL SHALL BE SECURELY FASTENED WITH VINYL SPLINE ON TWO SIDES, OR COMPLY TO LOCAL CODES AND ORDINANCES
3. STEEL FASTENERS: HOT-DIP GALVANIZED, ELECTRO GALVANIZED, 300 SERIES STAINLESS STEEL, CADMIUM PLATED ALUMINIZED, OR CORROSION RESISTANT AS PER 5.1.16-SPECIFICATIONS FOR ALUMINUM STRUCTURES SECTION 1, THE ALUMINUM ASSOCIATION, INC.
4. ALUMINUM FASTENERS: 2024-T4
5. CONCRETE AND MASONRY FASTENERS: MINIMUM OF 1-1/4" EMBEDMENT INTO CONCRETE OR MASONRY, EXCLUSIVE OF DECK COATINGS OR PAVERS. MAXIMUM SPACING SHALL NOT EXCEED 24" ON CENTER. NOTE: ALL FASTENER OR ANCHOR TYPES USED MUST MEET OR EXCEED THE SAFE WORKING VALUES SPECIFIED BY THE MANUFACTURER. ANCHOR DISTANCE FROM EDGE OF CONCRETE SHALL BE NOT LESS THAN 12 ANCHOR DIAMETERS. ANY FASTENER STRIPPED OR NOT HOLDING SHALL BE REPLACED.
6. ALL FASTENINGS, UNLESS SPECIFIED DIFFERENTLY, SHALL BE A MAXIMUM OF 24" ON CENTER.
7. CONCRETE: MIN. 2500 P.S.I. @ 28 DAYS, OR AS PER LOCAL CODES AND REQUIREMENTS.
8. EXCAVATION: REMOVE AND REPLACE ALL DELETERIOUS MATERIAL WITH CLEAN GRANULAR FILL COMPACTED TO 90% MODIFIED PROCTOR.

SPAN AND SPACING:
1. ROOF BEAM SPANS GIVEN ARE BASED ON THE STRAIGHT-LINE HORIZONTAL MEASUREMENT BETWEEN SUPPORT POINTS.
2. ROOF SPANS ARE BASED ON A MAXIMUM PURLIN SPACING OF 7'-0".
3. GABLED-TYPE ROOFS ARE BASED ON A MAXIMUM ANGLE OF 30% FROM THE HORIZONTAL.
4. MANSARD-TYPE ROOFS ARE BASED ON A MAXIMUM ANGLE OF 45% FROM THE HORIZONTAL. EACH MANSARD CORNER SHALL BE BRACED WITH MIN. 2 X 2 X .040.
5. DOME-TYPE ROOF BEAMS, ABOVE THE OVERHANG OF THE HOST, SHALL BE KNEE-BRACED AT EACH SUPPORT POINT TO RESIST LATERAL WINDLOADS.
6. COLUMN SPANS GIVEN ARE BASED ON THE VERTICAL DISTANCE FROM SLAB OR DECK TO THE TOP OF THE COLUMN.
7. SPANS GIVEN FOR SOLID ALUMINUM PANEL OR COMPOSITE ROOFS ARE BASED ON A MINIMUM SLOPE OF 1/4" PER FOOT, AND A MAXIMUM OF 2-1/2" PER FOOT. SOLID ROOFS SHALL BE ADEQUATELY ANCHORED TO RESIST THE REQUIRED WIND LOAD UPLIFT AND BE DESIGNED TO PRECLUDE INSTABILITY FROM PONDING WATER.

BRACING:
1. CORNER CABLES OR RIGID DIAGONAL CORNER BRACING SHALL BE USED ON ANY SCREEN WALL NOT DIRECTLY FASTENED TO THE HOST STRUCTURE, TO RESIST LATERAL WINDLOADS. CABLE SHALL BE STAINLESS STEEL AND HAVE A MINIMUM TEST STRENGTH OF 1750 POUNDS, AND BE INSTALLED FROM 30° TO 45° FROM THE VERTICAL.
2. RAISED SCREEN ROOFS SHALL BE DIAGONALLY BRACED TO RESIST THE REQUIRED WINDLOADS, AND BE SUFFICIENT IN QUANTITY TO OBTAIN A RIGID STRUCTURE.
3. FLAT SCREEN ROOFS WHICH ARE CONNECTED TO THE HOST STRUCTURE ON 2 OR 3 SIDES DO NOT REQUIRE WIND BRACING.
4. SCREEN ROOF ENCLOSURES SHALL BE ATTACHED TO A PERMANENT HOST STRUCTURE.

MINIMUM CLEARANCES:
1. VERTICAL CLEARANCE FROM FINISHED DECK TO UNDERSIDE OF THE SCREEN ROOF STRUCTURE SHALL BE 7'-0".
2. DIVING OR JUMP BOARDS: (FROM FORWARD TOP SURFACE TO UNDERSIDE OF SCREEN ROOF STRUCTURE SHALL BE:)
   A) HEIGHT - 10'-0"; B) FORWARD PROJECTION - 12'-0"; C) SIDES - 5'-0"
3. SLIDES OR SLIDING BOARDS: (FROM UPPERMOST SLIDING SURFACE TO UNDERSIDE OF SCREEN ROOF STRUCTURE SHALL BE:)
   A) HEIGHT IN ALL DIRECTIONS - 4'-0"

BONDING: (GROUNDING) MUST COMPLY WITH THE NATIONAL ELECTRIC CODE, ARTICLE 680.22 A.5, LATEST EDITION.

ASTM SPECIFICATIONS: B209, B211, B234, B241, B247, B308, AND B249.

SAFETY FACTOR: COMPLIES TO TABLE 3.3.3 OF THE ALUMINUM CONSTRUCTION MANUAL SERIES, SECTION 1.

SPECIAL NOTES: TO THE BEST OF OUR KNOWLEDGE, THESE SPECIFICATIONS AND DETAILS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND FIRESAFETY STANDARDS AS PER CHAPTERS 553 AND 633, LAWS OF FLORIDA. AL-1 RESERVES THE RIGHT TO CHANGE OR OMIT ANY PARTS CONTAINED HEREIN, OR CORRECT ANY ERRORS OR OMISSIONS WHICH MAY EXIST. WHILE AL-1 BELIEVES THAT IT'S COMPILATION PROCEDURES ARE RELIABLE, IT DOES NOT WARRANT, EITHER EXPRESSLY OR IMPLIEDLY, THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, AND ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THE INFORMATION HEREIN.

SPAN CHARTS CONTAINED ARE VALID ONLY UNTIL THE 1994 EDITION OF THE "ALUMINUM STRUCTURES MASTER PLAN" IS PUBLISHED. TO THE BEST OF MY KNOWLEDGE, THE CALCULATIONS REPRESENT A TRUE AND EXACT INTERPRETATION OF THE 1991 EDITION OF THE STANDARD BUILDING CODE.

JAMES D. JOSEPHS, P.E.

Sheet 1 of 2

Job# MASTER

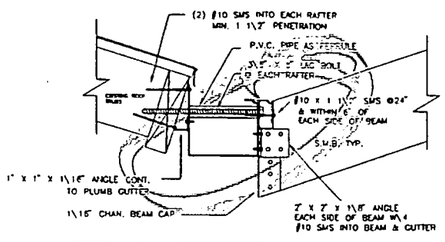
Date:

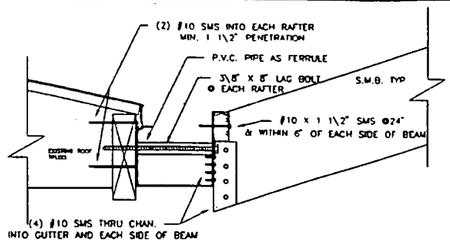
Drawn By:

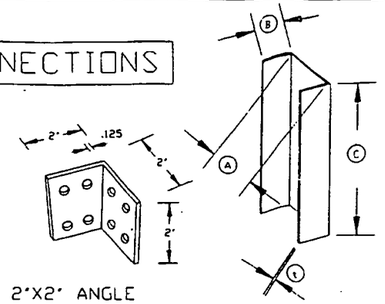
EAST COAST SPECIALTIES
ALUMINUM STRUCTURES
MASTER PLAN

JAMES JOSEPHS & ASSOCIATES
PO BOX 2749 PORT CHARLOTTE 629-4655
BUILDING DESIGN
STRUCTURAL
CIVIL ENGINEER

SUPER GUTTER & BEAM CONNECTIONS



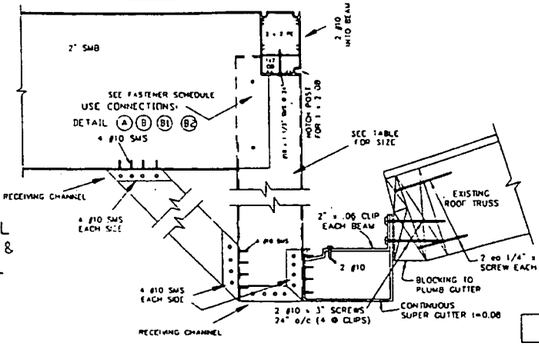




2"X2" ANGLE

U CHANNEL INTERNAL & EXTERNAL

CONNECTION DETAILS FOR KNEE WALL POOL CAGES



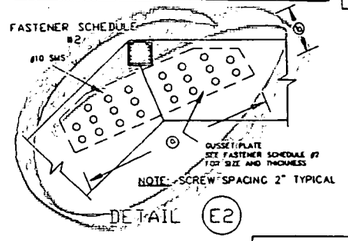
AREA = ROOF AREA SUPPORTED
POST ARM = SIZE OF COLUMN OR POST

POST ARM	AREA
2x2x.045	120
2x3x.05	250
2x3x.07	375
2x4x.05	400
2x6x.05	700

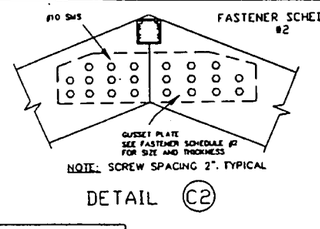
FASTENER SCHEDULE #2

BEAM SIZE	"a"	"b"	t	FASTENERS REQ'D TOTAL BOTH SIDES
(F) 2 x 4 SMB	16"	2"	.055	18 #10 x 1" SMS
(G) 2 x 5 SMB	18"	3"	.055	18 #10 x 1" SMS
(M)(I) 2 x 6 SMB	16"	4"	.055	18 #10 x 1" SMS
(J)(K) 2 x 7 SMB	20"	5"	.062	20 #10 x 1" SMS
(L) 2 x 8 SMB	20"	6"	.072	24 #10 x 1" SMS
(M)(N) 2 x 9 SMB	20"	6 1/2"	.072	30 #10 x 1" SMS

BEAM TO BEAM CONNECTION DETAILS



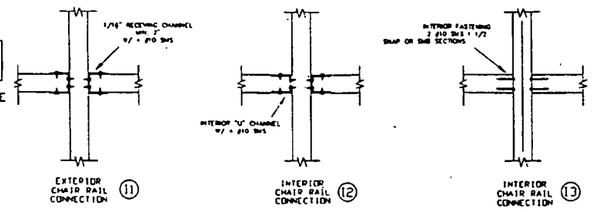
DETAIL (E2)



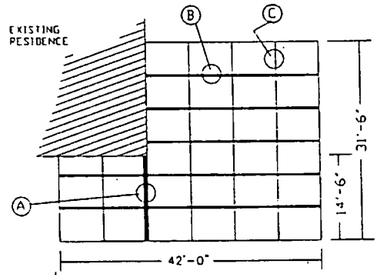
DETAIL (C2)

CHAIR RAIL CONNECTIONS

DETAIL (I)



BEAM TO COLUMN CONNECTIONS
PURLIN TO COLUMN CONNECTIONS



CARRIER BEAMS

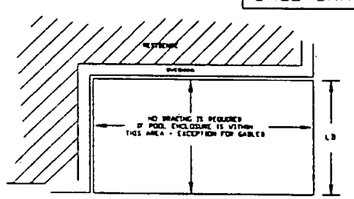
SCREENED ROOF & SCREENED WALLS

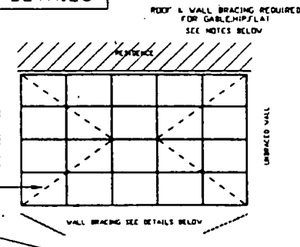
TO LOCATE THE RIGHT SIZE CARRIER BEAM USING THE CHARTS ABOVE, FIRST ESTABLISH THE LENGTH OR SPAN OF THE CARRIER BEAM. (IN THIS EXAMPLE IT IS 14'-6") THEN ESTABLISH THE TOTAL LOADING DISTANCE. (IN THIS EXAMPLE IT IS 42'-0") THEN LOOK ON THE CHARTS ABOVE FOR THE TOTAL LOADING DISTANCE FIRST, CONTINUE ACROSS TO FIND THE SPAN OF CARRIER BEAM THAT MEETS THE DISTANCE OF 14'-6" OR GREATER.
IN THIS EXAMPLE THE CORRECT CARRIER BEAM CAN BE (I) = 2" x 6" x .135 S.M.B.

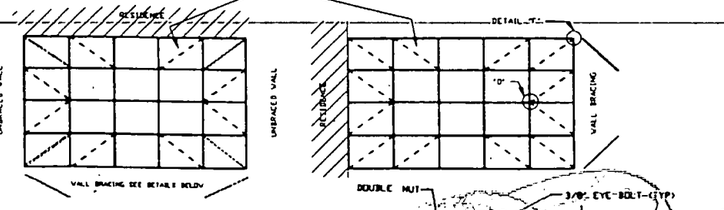
(A) CARRIER BEAM
(B) ROOF BEAM
(C) ROOF PURLIN

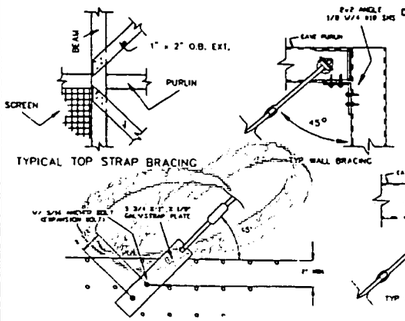
POST COLUMN MUST BE SAME SIZE AS CARRIER BEAM.

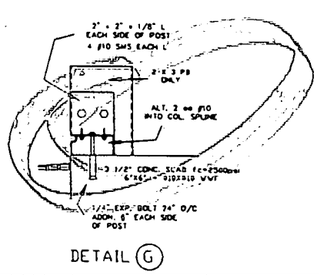
CAGE BRACING DETAILS



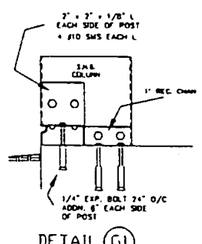




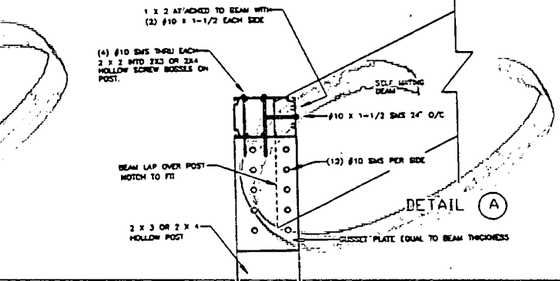




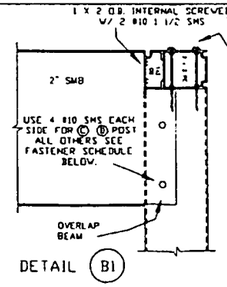
DETAIL (G)



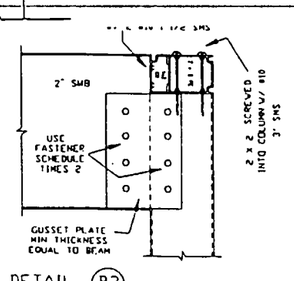
DETAIL (G1)



DETAIL (A)



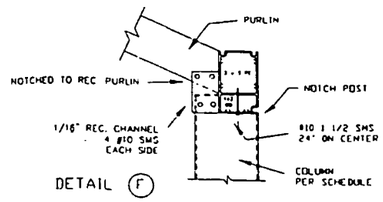
DETAIL (B1)



DETAIL (B2)

FASTENER SCHEDULE

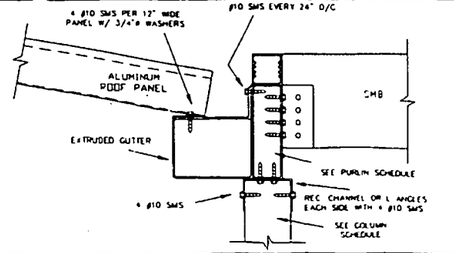
POST SIZE	FASTENERS REQUIRED
(C)(D) 2 x 3 PB	4 #10 SMS EACH SIDE
(E) 2 x 4 PB	6 #10 SMS EACH SIDE
(F) 2 x 4 SMB	8 #10 SMS EACH SIDE
(G) 2 x 5 SMB	10 #10 SMS EACH SIDE
(M)(I) 2 x 6 SMB	10 #10 SMS EACH SIDE
(J)(K) 2 x 7 SMB	12 #10 SMS EACH SIDE
(L) 2 x 8 SMB	12 #10 SMS EACH SIDE
(M)(N) 2 x 9 SMB	14 #10 SMS EACH SIDE



DETAIL (F)

SPAN OF CARRIER BEAM

TOTAL LOADING DISTANCE	(F) 2X4	(H) 2X6	(J) 2X7	(L) 2X8	(M) 2X9
5'	23'-4"	31'-10"	36'-2"	44'-0"	48'-4"
10'	18'-4"	25'-2"	28'-6"	34'-10"	38'-4"
15'	16'-0"	22'-0"	24'-10"	30'-4"	33'-4"
20'	14'-6"	19'-8"	21'-10"	27'-8"	29'-11"
25'	13'-4"	17'-6"	19'-6"	24'-8"	26'-8"
30'	12'-3"	16'-0"	17'-8"	22'-5"	22'-2"
35'	11'-2"	14'-8"	16'-4"	20'-10"	22'-5"
40'	10'-6"	13'-8"	15'-2"	19'-4"	20'-10"
45'	9'-11"	12'-11"	14'-2"	18'-2"	19'-6"
50'	9'-5"	12'-3"	13'-6"	17'-2"	18'-6"
55'	8'-10"	11'-6"	12'-8"	16'-5"	17'-6"



JAMES D. JOSEPHS, P.E.

Sheet 2 of 2
Job # MASTER
Date:
Drawn By:

EAST COAST SPECIALTIES
ALUMINUM STRUCTURES
MASTER PLAN

JAMES JOSEPHS & ASSOCIATES
PO BOX 2749 PORT CHARLOTTE 629 4655
BUILDING DESIGN
STRUCTURAL
CIVIL ENGINEER

3685

SHUTTERS

3685

TAX FOLIO NO. _____ DATE 11/9/94

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 KEVIN GRADY Present address 16 RIO VISTA DRIVE

Phone 334-8379 STUART, FL 34996

Contractor GULFSTREAM ALUMINUM Address 197 SE MONTEREY RD

Phone 287-6476 STUART, FL 34994

Where licensed MARTIN COUNTY License number MCO-0231

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: STORM PANELS

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

16 RIO VISTA DRIVE STUART FL 34996

PARCEL CONTROL # 12-38-41-002-000-00680-20000

Subdivision _____ Lot Number _____ Block Number _____

Contract price $ 3,945.60 Cost of permit $ 100.00

Plans approved as submitted _____ Plans approved as marked _____

I understand that this permit is good for 12 months from the date of its issue and that the structure must be completed in accordance with the approved plan. I further understand that approval of these plans in no way relieves me of complying with the Town of Sewall's Point Ordinances and the State 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.

RECEIVED NOV 17 1994 RECEIVED RECEIVED

Contractor _____

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 X Elizabeth Grady

TOWN RECORD

Date submitted _____ Approved: Dale Brown 11/17/94
Building Inspector Date

Approved: _____ Final approval given: _____
Commissioner Date Date

CERTIFICATE OF OCCUPANCY issued (if applicable) _____
Date

PERMIT NO. _____

SP1282
3/94

Permit No._____ Tax Folio No._____

NOTICE OF COMMENCEMENT

State of Florida
County of Martin

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Legal Description of Property (include street address, if available) 16 RIO VISTA DRIVE

12-38-41-002-000-00690-20000

General Description of Improvements: STORM PANELS

Owner: KEVIN GRADY

Address: 16 RIO VISTA DRIVE STUART, FL 34996

Owner's interest in property: RESIDENCE

Fee Simple Title Holder(if other than owner):_____
Address:_____

Contractor: GULFSTREAM ALUMINUM PRODUCTS, INC

Address: 197 SE MONTEREY RD STUART, FL 34994

Surety Co.(if any)_____
Address:_____ Amt. of Bond $_____

Lender's Name:_____
Address:_____

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

Name:_____
Address:_____

In addition to himself, Owner designates_____ of

_____ to receive a copy of the Lienor's Notice as provided in Section 713.13(1) (b), Florida Statutes.

Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified)_____.

X Elizabeth J. Grady
Signature of Owner

Sworn to and subscribed before me this 16 day of November, 1994.

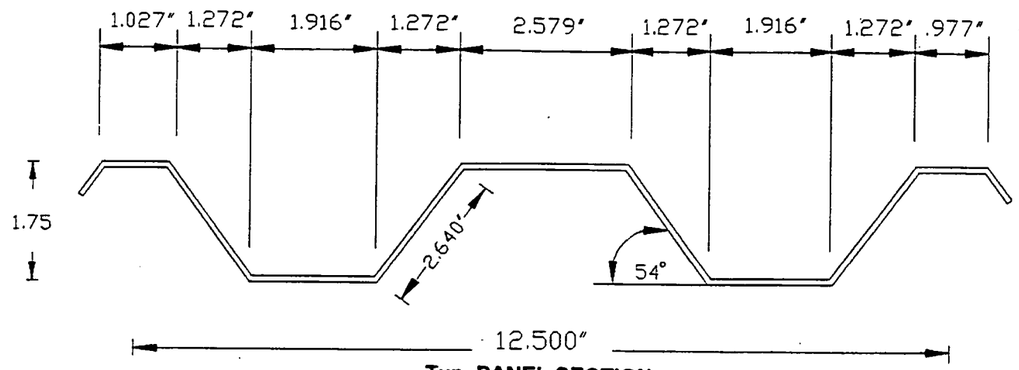
Barbara A. O'Brien
Notary Public

NOTARY PUBLIC STATE OF FLORIDA

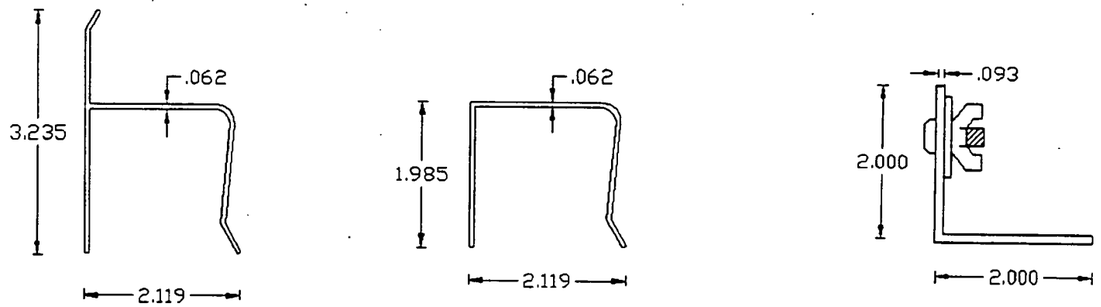
BARBARA A. O'BRIEN
My Comm Exp. 4/13/97
Bonded By Service Ins
No. CC285971

Personally Known ☐ Other I.D.

STORM PANEL
120 M.P.H. WINDLOAD

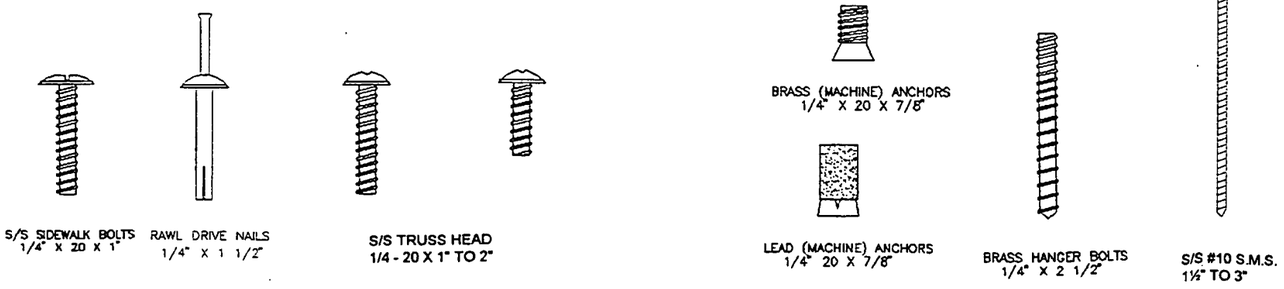


Typ. PANEL SECTION
3004 H-16 OR EQUAL



BASE AND HEADER CONNECTION MEMBERS
ALUMINUM SECTIONS 6063 T-6

TYPICAL INSTALLATION FASTENERS



GENERAL INFORMATION

Specifications

The Aluminum Construction Manual, Specifications For Aluminum Structures, the Aluminum Formed Sheet Building Sheathing Design Guide, the Engineering Data For Aluminum Structures, and The Commentary on Specifications For Aluminum Structures, published by the Aluminum Association, Inc. in Washington, D.C. are used as reference material.

Applicable ASTM specifications are designations B209, B211, B234, B241, B247, B308, and B249.

Extrusions used herein shall be 6063 T-6 aluminum, registered with the Aluminum Association, Inc. - Washington, D.C., unless otherwise noted.

Deflections

The deflection limits of structural aluminum members set forth shall be applicable, and conform to the Standard Building Code, the South Florida Building Code - maximum of 1" deflection - L/30.

The allowable stresses for aluminum members shall be as given in specifications for Aluminum Structures published by the Aluminum Association, Inc. - Washington, D.C.

Tolerances

The specified minimum thickness of extruded aluminum, aluminum coil products, and other applicable materials as detailed shall be the nominal thickness, and is subject to the tolerances published in the Aluminum Standards and Data, Aluminum Association, Washington, D.C.

Safety Factors

All engineering calculations used in conjunction with this design shall be based on a safety factor in accordance with table 3.3.3 of the Aluminum Construction Manual Series, section 1.

Shape Factors

Non-Coastal zones, class 1 and 2 buildings -1.1.
Coastal zones, class 1 buildings -(end zones) -1.3
Coastal zones, class 2 buildings -(end zones) -1.9

All calculations used are based on the South Florida Building Code 1988 Edition, Chapter 23, Section 2303.3 (i) and 2309.2.

Materials

Aluminum roll-formed panels shall be 3004-H16 alloy. Steel roll-formed panels shall be galvanized and have ASTM A-525 designation. Aluminum bolts shall be 2024-T4 alloy.

Dissimilar Materials

Where the aluminum alloy sections are in contact with, or are fastened to, steel members or other dissimilar materials, the aluminum shall be kept from direct contact with the steel or other dissimilar material painting.

Steel surfaces to be placed in contact with aluminum shall be painted with good quality, non-lead contaminating, priming paint such as zinc chromate primer in accordance with Federal Specification TT-P-645, followed by two coats of pain consisting of two pounds (2 lbs.) of aluminum paste pigment, ASTM Specification D962-66, Type 2, Class B, per gallon of varnish meeting Federal Specification TT-V-81, Type II, or the equivalent. Where severe corrosion conditions are expected, additional protection can be obtained by applying a suitable sealant to the faying surfaces, capable of excluding moisture from the joint during prolonged service in addition to the zinc chromate primer. Aluminized, hot-dip galvanized or electrogalvanized steel placed in contact with aluminum need not be painted. Stainless steel (300 series) placed in contact with aluminum need not be painted except in high chloride containing environments.

Aluminum should not be placed in direct contact with wood, fiberboard or other porous material that may absorb water and cause corrosion. When such contacts cannot be avoided, an insulating barrier between the aluminum and the porous material shall be installed. Aluminum or other coating providing equivalent protection before installation. Aluminum in contact with concrete or masonry should be similarly protected in cases where moisture in present and corrodents can be entrapped between the surfaces.

Prepainted aluminum generally does not need additional painting, even in contact with other materials such as wood, concrete or steel. Under (extreme) corrosive conditions, additional protection may be provided as described in the preceding sections.

GENERAL CONSTRUCTION REQUIREMENTS

All fastenings, unless specified differently, shall be a maximum of twenty four inches (24") on center. Aluminum, hot-dip galvanized, electro-galvanized, aluminized steel, 300 series stainless steel, or corrosion resistant fasteners may be used, or as specified by local codes and ordinances.

Concrete anchors must be embedded a minimum of one and one quarter inches (1-1/4") into the structural concrete, and tightened properly. A longer fastener shall be required in the event that deck toppings, coatings, tile, brick or pavers are used, as these surfaces do not have to required holding ability.

Anchor types shown shall meet or exceed the safe working values as specified by the manufacturer. Any substitutions must follow these requirements.

Any fastener stripped or not adequately holding must be replaced.

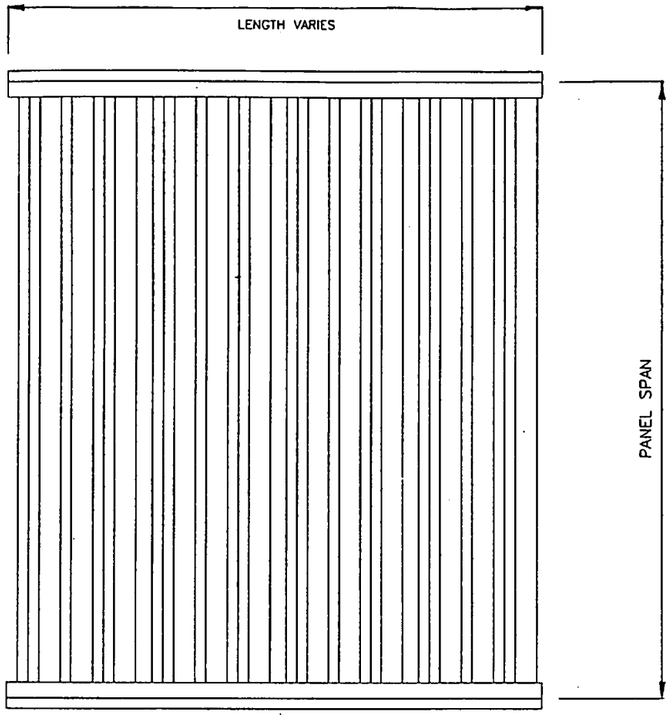
James D. Josephs, P.E.
11/12/93

Page 1 of 2

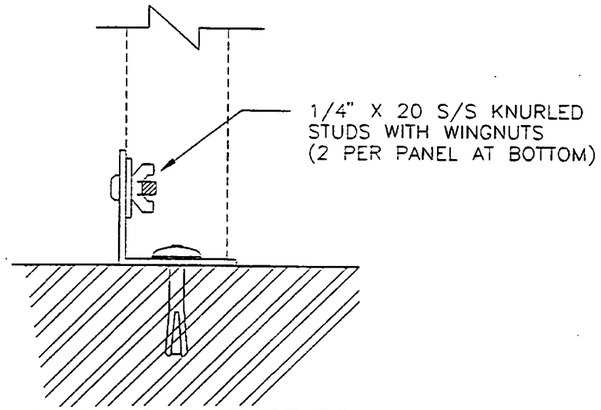
Gulfstream ALUMINUM PRODUCTS, INC.
197 SE Monterey Road
Stuart, FL 34994

AL-1, INC.
CIVIL, STRUCTRUAL ENGINEERING
258 West Miami Ave. Venice, Fl 34285 813-485-6322

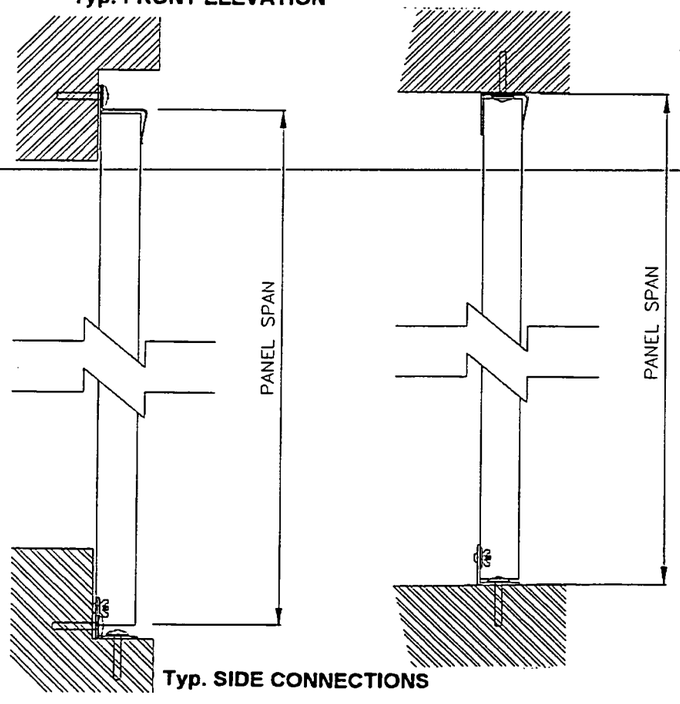
Revisions



Typ. FRONT ELEVATION



BASE ANGLE WITH STUDS



Typ. SIDE CONNECTIONS

STORM PANEL SPAN TABLE
120 M.P.H. WINDLOAD

HEIGHT ABOVE GRADE	NON - COASTAL ZONES		
	ALUMINUM		STEEL
	.040"	.050"	20 GA.
0' - 15'	8' - 0"	8' - 7"	10' - 5"
15' - 25'	7' - 7"	8' - 2"	9' - 11"
25' - 35'	7' - 5"	7' - 11"	9' - 8"
35' - 55'	7' - 3"	7' - 8"	9' - 5"
55' - 60'	7' - 0"	7' - 6"	9' - 1"

HEIGHT ABOVE GRADE	COASTAL ZONES		
	ALUMINUM		STEEL
	.040"	.050"	20 GA.
0' - 15'	7' - 8"	8' - 3"	10' - 0"
15' - 25'	7' - 4"	7' - 10"	9' - 6"
25' - 35'	7' - 1"	7' - 7"	9' - 3"
35' - 55'	6' - 11"	7' - 5"	8' - 11"
55' - 60'	6' - 9"	7' - 2"	8' - 5"

TABLE BASED ON MAX. OF 1" DEFELECTION, L/30, 120 M.P.H.
AS PER. S.F.B.C. - SECTION 2303.3 (i) AND 2309.2.
SHAPE FACTORS OF - 1.1 AND - 1.3 (END ZONE ONLY) FOR CLASS I BUILDINGS.

ANCHOR SPACING TABLE

Height Above Grade	Anchor Spacing
0' - 35'	16" O/C
35' - 55'	16" O/C
55' - 100'	14" O/C

NOTE: STORM PANELS MAY BE INSTALLED HORIZONTALLY

SPECIFICATIONS COMPLY TO THE REQUIREMENTS OF SECTION 1205 OF THE 1991 STANDARD BUILDING CODE

James D. Josephs, P.E.

Page 2 of 2

Gulfstream ALUMINUM PRODUCTS, INC.
197 SE Monterey Road
Stuart, FL 34994

AL-1, INC.
CIVIL, STRUCTRUAL ENGINEERING
813-485-4322
AL-1 Inc.
258 West Miami Ave. Venice, Fl 34285

Revisions

11238

RE-ROOF

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:	11238	DATE ISSUED:	April 10, 2015
SCOPE OF WORK:	Re-Roof		
CONTRACTOR:	Treasure Coast Roofing		
PARCEL CONTROL NUMBER:	12-38-41-002-000-00690-2	SUBDIVISION:	Rio Vista S/D Lot 69
CONSTRUCTION ADDRESS:	16 Rio Vista Drive		
OWNER NAME:	Rao		
QUALIFIER:	Brian Maloney	CONTACT PHONE NUMBER:	370-9770

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

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

24 HOUR NOTICE REQUIRED FOR INSPECTIONS – ALL CONSTRUCTION DOCUMENTS MUST BE AVAILABLE ON SITE
CALL 287-2455 - 8:00AM TO 4:00PM INSPECTIONS: 9:00AM TO 3:00PM – MONDAY THROUGH FRIDAY

INSPECTIONS

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

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

Town of Sewall's Point
BUILDING PERMIT APPLICATION

Date: 4/1/15 Permit Number: 11238

OWNER/LESSEE NAME: Rao Paul P. JR & Kirsten A Phone (Day) 772-766-9562 (Fax) _____

Job Site Address: 16 Rio Vista Dr City: Stuart State: FL Zip: 34996

Legal Description Rio Vista 510 Lot 69 Parcel Control Number: 12-38-41-002-000-00690-2

Fee Simple Holder Name: _____ Address: _____

City: _____ State: _____ Zip: _____ Telephone: _____

*SCOPE OF WORK (PLEASE BE SPECIFIC): Re Roof

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: $ 15,600
(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: Treasure Coast Roofing Phone: 772-370-9770 Fax: 772-343-8358

Qualifiers name: Brian Maloney Street: 1816 SW Biltmore City: Port St Lucie State: FL Zip: 34984

State License Number: CCC1330653 OR: Municipality: _____ License Number: _____

LOCAL CONTACT: _____ Phone Number: _____

DESIGN PROFESSIONAL: _____ Fla. License# _____

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

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

Carport: _____ Total under Roof 2390 Elevated Deck: _____ Enclosed area below BFE*: _____

* Enclosed non-habitable areas below the Base Flood Elevation greater than 300 sq. ft. require a Non-Conversion Covenant Agreement.

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

WARNINGS TO OWNERS AND CONTRACTORS:

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

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

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

OWNER /AGENT/LESSEE - NOTARIZED SIGNATURE:

X Kirsten Paul

State of Florida, County of: St Lucie

On This the 7 day of April 20 15

by Kirsten Paul who is personally

known to me or produced OL

As identification. _____

Notary Public _____

My Commission Expires: May 12, 18

ROBERT BRUNKE MY COMMISSION EXPIRES May 12, 2018 #FF 122434 Bonded thru Budget Notary Services NOTARY PUBLIC, STATE OF FLORIDA

CONTRACTOR/LICENSEE NOTARIZED SIGNATURE:

X _____

State of Florida, County of: St Lucie

On This the 6 day of April 20 15

by Brian J Maloney who is personally

known to me or produced _____

As identification. _____

Notary Public _____

My Commission Expires: 12/2414

ROBERT BRUNKE MY COMMISSION EXPIRES May 12, 2018 #FF 122434 Bonded thru Budget Notary Services NOTARY PUBLIC, STATE OF FLORIDA

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

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:	**11238**		
ADDRESS:	**16 Rio Vista Drive**		
DATE ISSUED:	**4/10/2015**	**SCOPE OF WORK:**	**Re-Roof**

SINGLE FAMILY OR ADDITION /REMODEL		Declared Value	$	

Plan Submittal Fee ($350.00 SFR, Remodel >$200K)		$	
Plan Submittal Fee (175.00 Remodel <$200K, Tennant Improvement		$	
Plan Submittal Fee (100.00 Remodel <$100k)		$	
Total square feet air-conditioned spa @ per sq. ft. s.f.			$ -
Total square feet non-conditioned space, or interior remodel: @ per sq. ft. s.f.			$ -
Total square feet remodel with new trusses: @ per sq. ft. s.f.			$ -
Total Construction Value:		$	$ -
Building fee: (2% of construction value SFR or >$200K)		$	n/a
Total number of inspections (Value < $200K) $ 150.00 per insp. # insp			$ -
Dept. of Comm. Affairs Fee: (1.5% of permit fee - $2.00 min)		$	n/a
DBPR Licensing Fee: (1.5% of permit fee - $2.00 min.)		$	n/a
Technology Fee: (0.04% of Construction Value - $5 min)			n/a
Road impact assessment: (0.4% of construction value - $20 min.)			n/a
Martin County Impact Fee:		$	
TOTAL BUILDING PERMIT FEE:		$	$ -

ACCESSORY PERMIT	Declared Value:		$	$ 15,600.00
Total number of inspections:	@ $ 150.00 per insp. # insp		4	$ 600.00
Dept. of Comm. Affairs Fee: (1.5% of permit fee - $2.00 min)			$	$ 9.00
DBPR Licensing Fee: (1.5% of permit fee - $2.00 min.)			$	$ 9.00
Technology Fee (0.04% of Construction Value - $5 min.)				$ 6.24
Road impact assessment: (0.4% of construction value - $20 min.)				$ 62.40

TOTAL ACCESSORY PERMIT FEE:	**$ 686.64**

INSTR # 2507715 OR BK 2775 PG 2162 RECD 04/06/2015 10:27:27 AM
(1 Pgs)
CAROLYN TIMMANN MARTIN COUNTY CLERK
DEED DOC $0.00, MTG DOC $0.00, INTANGIBLE $0.00

NOTICE OF COMMENCEMENT

To be completed when construction value exceeds $2,500.00

PERMIT #: _____ **TAX FOLIO #** 12-38-41-002-000-00690-2

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):
Rio Vista SID LOT 69

GENERAL DESCRIPTION OF IMPROVEMENT: Re Roof

OWNER INFORMATION OR LESSEE INFORMATION, IF THE LESSEE CONTRACTED FOR THE IMPROVEMENT:
Name: Roo Paul P JR + Kristen A
Address: 16 Rio Vista Dr, Stuart, FL 34996 772-766-9562
Interest in property: Owner
Name and address of fee simple title holder (If different from Owner listed above):

CONTRACTOR'S NAME: Treasure Coast Roofing Phone No.: 772-370-9770
Address: 1816 SW Biltmore, Port Saint Lucie, FL 34984

SURETY COMPANY (If applicable, a copy of the payment bond is attached):
Name and address:
Phone No.: Bond amount:

LENDER'S NAME: Phone No.:
Address:

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

Name: Phone No.:
Address:

In addition to himself or herself, owner designates _____ of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statues.
Phone number of person or entity designated by Owner: _____

Expiration date of Notice of Commencement:
(the expiration date may not be before the completion of construction and final payment to the contractor, but will be 1 year from the date of recording unless a different date is specified): _____.

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

Under penalty 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.

X _____
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager/Attorney-in-fact

_____
Signatory's Title/Office

The foregoing instrument was acknowledged before me this 3 day of April

By: _____ as Owner for _____
Name of person Type of authority (e.g. officer, trustee) Party on behalf of whom instrument was executed

_____
Notary's Signature

(Print, Type, or Stamp Commissioned Name of Notary)

Personally known ☐ or produced identification ☒
Type of identification produced DL

ROBERT BRUNKE
MY COMMISSION EXPIRES
May 12, 2018
#FF 122434
Bonded thru Local Notary Services
NOTARY PUBLIC STATE OF FLORIDA

STATE OF FLORIDA
MARTIN COUNTY
THIS IS TO CERTIFY THAT THE FOREGOING 1 PAGE(S) IS A TRUE AND CORRECT COPY OF THE ORIGINAL DOCUMENT AS FILED IN THIS OFFICE.
CAROLYN TIMMANN, CLERK
BY: _____ D.C.
DATE: 4.6.2015

CIRCUIT COURT FLORIDA MARTIN COUNTY

T:\BLD\Bldg_Forms\New Applications\Forms\Notice Of Commencement.Docx Rev. 9/15/11

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

generated on 4/10/2015 8:39:42 AM EDT

Parcel ID	Account #	Unit Address	Market Total Value	Website Updated
12-38-41-002-000-00720-6	27585	18 RIO VISTA DR, SEWALL'S POINT	$244,170	4/4/2015

Owner Information

Owner(Current)	KELSO HARRY DAVID & MARJORIE LOU
Owner/Mail Address	18 RIO VISTA DR STUART FL 34996
Sale Date	3/6/2006
Document Book/Page	2118 1234
Document No.	1915212
Sale Price	0

Location/Description

Account #	27585	**Map Page No.**	SP-04
Tax District	2200	**Legal Description**	RIO VISTA S/D LOT 72
Parcel Address	18 RIO VISTA DR, SEWALL'S POINT		
Acres	.3760		

Parcel Type

Use Code	0100 Single Family
Neighborhood	120250 Rio Vista DRY

Assessment Information

Market Land Value	$160,000
Market Improvement Value	$84,170
Market Total Value	$244,170

CITY OF PORT ST. LUCIE LOCAL BUSINESS TAX RECEIPT

TERM: October 1, 2014 to September 30, 2015

This receipt does not warrant that the receipt holder is competent to perform in the business, but that the holder has paid the required tax.
Valid only when all state and local regulated trade licenses / competency cards are valid for the current fiscal year as required by law.

THIS RECEIPT MUST BE EXHIBITED CONSPICUOUSLY AT YOUR PLACE OF BUSINESS

VALID AT THIS BUSINESS ADDRESS ONLY

Business Address: 1816 SW BILTMORE ST
Classification: CONT CONTRACTOR
Issued to: TREASURE COAST ROOFING LLC
1816 SW BILTMORE ST

PORT ST LUCIE, FL 34984

Business Tax 136306 / 15-1069823
Fee: 134.00
Discount: 0.00

BUSINESS TAX AUTHORITY

THIS IS A RECEIPT FOR TAX PAID AND IS NOT REGULATORY IN NATURE

LOCAL BUSINESS TAX PAYMENT CITY OF PORT ST. LUCIE 4066 7040 Cgomez

Fees: 134.00 Late Fees: 13.40 Total this payment : 147.40

Florida Department of Business & Professional Regulation

DBPR ONLINE SERVICES

Certified Roofing Contractor #CCC1330653

Logged in as **MALONEY, BRIAN**

License Menu

Select the function you wish to perform.

Press "Back" to return to the main menu.

License Issued To:	**MALONEY, BRIAN JOSEPH**
DBA Name:	**TREASURE COAST ROOFING LLC**
License Status:	**Current, Active**
Originally Licensed On:	**03/25/2015** (mm/dd/yyyy)
Expires On:	**08/31/2016** (mm/dd/yyyy)
Modifiers:	**Construction Business 03/25/2015** (mm/dd/yyyy)

Functions

Address Change

Print Inactive Receipt

Certified Roofing Contractor - Change of Status from Active to Inactive

View My Continuing Education

Remove This License From My Account

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 04/07/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Enterprise Insurance Group, LLC
12320 Racetrack Road
Tampa, FL 33626
License #: L059361

CONTACT NAME: Jonathan Elie
PHONE (A/C, No, Ext): (813)448-9222 FAX (A/C, No): (813)448-9244
E-MAIL ADDRESS: service@enterpriseinsgroup.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Preferred Contractors Insurance Company	
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	
INSURER F:	

INSURED
Treasure Coast Roofing, LLC
145 South East Naranja Avenue
Port Saint Lucie, FL 34983

COVERAGES CERTIFICATE NUMBER: 00004792-0 REVISION NUMBER: 1

THIS IS TO CERTIFY THAT 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. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			PC90906-TR-02	09/28/2014	09/28/2015	EACH OCCURRENCE	$ 1,000,000
	[X] COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 50,000
	[ ] CLAIMS-MADE [X] OCCUR						MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 1,000,000
							GENERAL AGGREGATE	$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$ 1,000,000
	[X] POLICY [ ] PRO-JECT [ ] LOC							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	[ ] ANY AUTO						BODILY INJURY (Per person)	$
	[ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	[ ] HIRED AUTOS [ ] NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	[ ] UMBRELLA LIAB [ ] OCCUR						EACH OCCURRENCE	$
	[ ] EXCESS LIAB [ ] CLAIMS-MADE						AGGREGATE	$
	[ ] DED [ ] RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N						[ ] WC STATU-TORY LIMITS [ ] OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] (Mandatory in NH)	N/A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Certificate is for evidence of insurance only.

CERTIFICATE HOLDER
town of sewall's point
one south sewalls point road
sewall's point,fl 34996

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE (JRE)

TREACOA-13 VSCHIAVO

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/7/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Collinsworth, Alter, Lambert, LLC 23 Eganfuskee Street Suite 102 Jupiter, FL 33477	CONTACT NAME: Dianthe Charron PHONE (A/C, No, Ext): (561) 776-9001 FAX (A/C, No): (561) 427-6730 E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Bridgefield Employers Ins Co	10701
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Treasure Coast Roofing, LLC.
1816 SW BILTMORE ST
Port Saint Lucie, FL 34984

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT 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. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	☐ OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		83053775	06/27/2014	06/27/2015	X PER STATUTE ☐ OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Waiver of subrogation applies to workers comp for the certificate holders when required by written contract. Cancellation applies as per policy terms, conditions and exclusions.

CERTIFICATE HOLDER

Town of Sewall's Point
One South Sewalls Point Road
Sewalls Point, FL 34996

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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

ROOFING MATERIAL LIST

NO	MATERIAL	QUANITY	UNIT	REMARKS
0	GAF Timberline 30 shingles	25	SQ	EXAMPLE
1	Whip Peel n Stick	30		
2	IKO Cambridge Shingles	52	SQ	
3	2x2 White Drip Edge	48	Sticks	

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

RE-ROOF CERTIFICATION

PERMIT # _____

CONTRACTOR'S NAME: Treasure Coast Roofing PHONE #: 772-370-9770 FAX: 772-343-8358

OWNER'S NAME: Rao Paul P SR

CONSTRUCTION ADDRESS: 16 Rio Vista Dr CITY Stuart STATE FL

RE-ROOF: ☑ RESIDENTIAL(SINGLE FAMILY)

☐ COMMERCIAL **--REMOVE/REINSTALL ROOF TOP HVAC EQUIP ☐ YES ☐ NO

**...DISCONNECT/RECONNECT HVAC ELECTRIC ☐ YES ☐ NO

** REQUIRES A CONTRACTOR VERIFICATION FORM (HVAC AND/OR ELECTRICAL) W/ PERMIT APPLICATION

RE-ROOF DEEMED TO COMPLY WITH 553.844 F. S. ☐ **YES** ☐ **NO - INSURED VALUE OF RESIDENCE: $** _____

ROOF TYPE: ☑ HIP ☐ BOSTON-HIP ☐ GABLE ☐ FLAT _____ OTHER

ROOF PITCH: 6 /12 SLOPE

ROOF DECK:* ☐ **SHEATH-OVER** - (APPLYING PLYWOOD PANELS OVER EXISTING SPACED

☐ **RE-SHEATH** - (REMOVAL OF SPACED SHEATHING/PLYWOOD FOR APPLICATION OF NEW PLYWOOD PANELS) - REQUIRES USE OF MINIMUM PLYWOOD AS PER FLORIDA BUILDING CODE "2004".

☐ **SPACED SHEATH FILL-IN** - SPACES BETWEEN EXISTING SPACED-SHEATHING BOARD MAY BE FILLED-IN WITH BOARDS OF THE SAME SIZE AND THICKNESS TO PROVIDE A CLOSELY FITTED SOLID DECK NAIL NEW BOARDS AS PER FLORIDA BUILDING CODE "2004".

☑ **EXISTING DECK TO REMAIN/REPAIRED& RENAILED**

EXISTING ROOF COVERING: shingle **EXISTING COVERING TO BE REMOVED?** YES ☑ NO ☐

PROPOSED NEW ROOF COVERING: shingle

MANUFACTURER IKO PRODUCT NAME Cambridge PRODUCT APPR # FL7006-R8

(APPROVED ROOF COVERING MATERIAL WITH CURRENT FLORIDA PRODUCT APPROVAL)
MANUFACTURER'S INSTALLATION SPECS MUST BE ON THE JOB SITE AT TIME OF INSPECTION.

*WHEN CONCRETE/CLAY TILES REPLACE ANY OTHER TYPE OF ROOF COVERING, THE EXISTING TRUSSES SHALL BE INSPECTED BY A FLORIDA REGISTERED ARCHITECT OR ENGINEER TO VERIFY ADEQUACY OF THE TRUSSES TO SUPPORT INCREASED DEAD LOADS. AN ENGINEERING INSPECTION REPORT SHALL BE SUBMITTED WITH THE PERMIT APPLICATION.

PROPOSED FLASHING: ☑ GALV./STEEL ☐ ALUMINUM ☐ COPPER ☐ OTHER _____

RIDGEVENT TO BE INSTALLED: ☑ YES ☐ NO

DESCRIPTION OF WORK: Re Roof

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

_____ **DATE:** 4/2/15
SIGNATURE OF CONTRACTOR

FL #	FL7006-R8
Application Type	Revision
Code Version	2010
Application Status	Approved
	*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.
Comments	
Archived	☐
Product Manufacturer	IKO Industries, Ltd
Address/Phone/Email	40 Hansen Road South Brampton, NON-US L6W 3H4 (708) 496-2800 Ext 200 rmetz001@tampabay.rr.com
Authorized Signature	Robert Metz rmetz001@tampabay.rr.com
Technical Representative	Bob Metz
Address/Phone/Email	REMCO of Pinellas 456 Avila Circle NE Saint Petersburg, FL 33703 (727) 776-5261 rmetz001@tampabay.rr.com
Quality Assurance Representative	Don Shaw
Address/Phone/Email	IKO Industries LTD 120 Hay Rd. Wilmington, DE 19808 (717) 579-6706 don.shaw@iko.com
Category	Roofing
Subcategory	Asphalt Shingles
Compliance Method	Certification Mark or Listing
Certification Agency	FM Approvals - CER
Validated By	Locke Bowden
	☑ Validation Checklist - Hardcopy Received

Referenced Standard and Year (of Standard)	**Standard**	**Year**
	ASTM D3161 modified to 110 mph	2006
	ASTM D3462	2007
	ASTM E108	2007

Equivalence of Product Standards
Certified By

Product Approval Method	Method 1 Option A
Date Submitted	01/22/2015
Date Validated	02/03/2015
Date Pending FBC Approval	
Date Approved	02/06/2015

Summary of Products

FL #	Model, Number or Name	Description
7006.1	Cambridge, Cambridge HD and CRC Biltmore AR	Laminated architectural fiberglass asphalt shingle manufactured at IKO's Kankakee, IL; Hawkesbury, Ont.; Wilmington, DE; Sylacauga,AL and Toronto, Ont. plants
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** N/A **Design Pressure:** N/A **Other:**		**Certification Agency Certificate** FL7006_R8_C_CAC_FBC ASTM certification letter Sylacauga- (1-22-2015).pdf FL7006_R8_C_CAC_Shingle letter ASTM Compliance - (4-16-2012).pdf **Quality Assurance Contract Expiration Date** 12/31/2018 **Installation Instructions** FL7006_R8_II_IKO-098-02-01 Letter - Installation Instructions for 3-Tab and Laminated Shingles.pdf Verified By: Duc T Nguyen 74021 Created by Independent Third Party: Yes **Evaluation Reports** Created by Independent Third Party:
7006.2	Hip and Ridge 12 Cap fiberglass shingles	This is a 12" x 12" fiberglass asphalt shingle used to cover the hip and/or ridge of an asphalt shingle roof system manufactured in Toronto, Ont. and Brampton, Ontario
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** N/A **Design Pressure:** N/A **Other:**		**Certification Agency Certificate** FL7006_R8_C_CAC_797-07219-267 - FBC ASTM certification letter - (3-1-2012).pdf FL7006_R8_C_CAC_Shingle letter ASTM Compliance - (4-16-2012).pdf **Quality Assurance Contract Expiration Date** 12/31/2018 **Installation Instructions** FL7006_R8_II_Hip and Ridge Cap Shingle Installation Instructions.pdf FL7006_R8_II_IKO-089-02-01 IKO12001 Application Instruction Letter.pdf Verified By: Zachary Priest PE 74021 Created by Independent Third Party: Yes **Evaluation Reports** Created by Independent Third Party:
7006.3	Leading Edge Plus Asphalt Shingle Starter Strip	One piece fiberglass asphalt shingle used as a starter strip at the bottom of a roof system manufactured in Brampton, Ontario plant
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** N/A **Design Pressure:** N/A **Other:**		**Certification Agency Certificate** FL7006_R8_C_CAC_797-07219-267 - FBC ASTM certification letter - (3-1-2012).pdf FL7006_R8_C_CAC_Shingle letter ASTM Compliance - (4-16-2012).pdf **Quality Assurance Contract Expiration Date** 12/31/2018 **Installation Instructions** FL7006_R8_II_IKO-089-02-01 IKO12001 Application Instruction Letter.pdf FL7006_R8_II_Leading Edge Plus Installation Instructions.pdf Verified By: Zachary Priest PE 74021 Created by Independent Third Party: Yes **Evaluation Reports** Created by Independent Third Party:
7006.4	Marathon 25 AR, CRC Superglass M25AR	3 tab fiberglass asphalt shingle manufactured at IKO's Brampton, Ontario, Hawkesbury Ont., Toronto, Ont.; Sylacauga, AL and Kanakakee, IL plants
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** N/A **Design Pressure:** N/A **Other:**		**Certification Agency Certificate** FL7006_R8_C_CAC_FBC ASTM certification letter Sylacauga- (1-22-2015).pdf FL7006_R8_C_CAC_Shingle letter ASTM Compliance - (4-16-2012).pdf **Quality Assurance Contract Expiration Date** 12/31/2018

	Installation Instructions FL7006_R8_II_IKO-098-02-01 Letter - Installation Instructions for 3-Tab and Laminated Shingles.pdf Verified By: Zachary Priest 74021 Created by Independent Third Party: Yes **Evaluation Reports** Created by Independent Third Party:

Back Next

CONSTRUCTION MATERIALS
TECHNOLOGIES

July 23, 2013

IKO Industries, Ltd
40 Hansen Road South
Brampton, ON L6W 3H4
Canada

Re: Shingle Installation Instructions for 2010 Florida Building Code

Sir(s),

PRI Construction Materials Technologies has completed a technical review and attached sealed shingle instructions in compliance the 2010 Florida Building Code.

This review was completed based on the receipt of following evidence from IKO Industries, Ltd:

1) IKO Shingle Application Instructions – 3-Tab Shingles (EN-3Tab_Applns_8AGXEFS-2012-11_reformatted 2013-02-rev07/13-Florida)
2) IKO Laminated Shingles Application Instructions (EN-Laminated_Applns_8TTEFS-2012-04_reformatted 2013-02-rev07/13-Florida)
3) ASTM D3161 Test Report (FM Approvals Project No. 3040947)
4) ASTM D7158 Test Report (PRI Project No. IKO-091-02-01)

The attached instructions should be used in conjunction with the published manufacturer's application instructions and applicable code. In the event the instructions conflict, these instructions shall govern.

Regards,
-Duc Nguyen

Duc T. NGUYEN
P.E. No: 65034
Date: 7/23/2013

DUC THANH NGUYEN
LICENSE
No 65034
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Attachments: A) IKO Shingle Application Instructions - 3-Tab
B) IKO Laminated Shingles Application Instructions

IKO-098-02-01

IKO Shingle Application Instructions – 3-Tab Shingles

(ASTM D3161, Class F – IKO Marathon 25 AR and CRC Superglass 25 AR)
(ASTM D3161, Class F – IKO Marathon Ultra AR and CRC Superglass Ultra AR)
(ASTM D7158, CLASS H - IKO Marathon 20 and CRC Superglass 20)

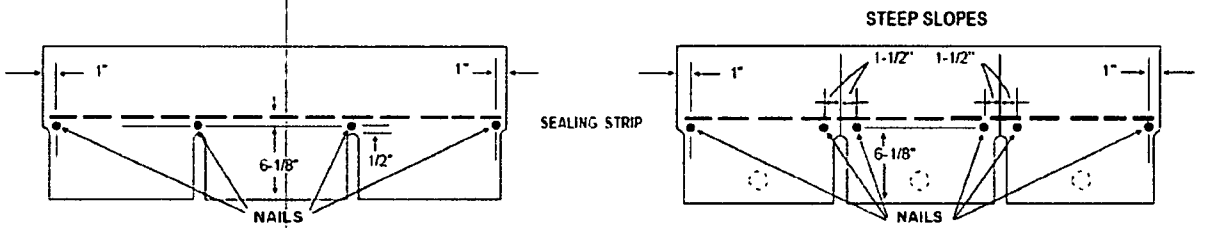
NOTE: THESE INSTRUCTIONS SHALL BE USED IN CONJUCTION WITH IKO'S PUBLISHED APPLICATION INSTRUCTIONS AND THE APPLICABLE CODE. IN THE EVENT THE INSTRUCTION CONFLICT, THESE INSTRUCTIONS WILL GOVERN.

ROOF DECK: Solidly sheathed and fastened deck conforming to 2010 FBC.

UNDERLAYMENT: Applied in accordance with building code requirements. For areas where the roof slope is less than 4" per foot down to 2" per foot, use 2 layers of underlayment conforming to building code requirements, the first sheet overlapping the eave protection by 19", followed by full 36" widths overlapping each preceding course by 19" or other *Approved* underlayments in accordance with the qualified application instructions. For areas where the roof slope is 4" per foot or greater, cover the deck with one ply of underlayment laid parallel to the eaves, with 2" horizontal laps and 4" end laps. Apply metal drip edges on top of any underlay along rake edges and directly to the deck along eaves in accordance with building code requirements.

NAILING: Use galvanized (zinc coated) roofing nails, 11 or 12 gauge, with at least 3/8" diameter heads, long enough to penetrate through plywood or 3/4" into boards. Use 4 nails per shingle placed 6-1/8" above the butt edge, approx. 1" and 13" from each end and 1/2" above each cutout. Drive nails straight so that nail head is flush with, but not cutting into shingle surface.

NAILING ON STEEP SLOPES: For steep slopes of 21" per foot (60°) or more, use 6 nails per shingle placed as shown below. Ensure that no nail is within 2" of a joint/cutout of the underlying shingle. Seal down each shingle at time of application with three 1" diameter (approx. size and thickness of a quarter) spots of asphalt plastic cement placed under the shingle 2" above the bottom edge and equally spaced along the shingle. Apply plastic cement in moderation since excessive amounts may cause blistering. CAUTION: Shingles should seal to the underlying course when the factory applied asphalt sealant is sufficiently warmed by the heat of direct sunlight.



DO NOT NAIL INTO OR ABOVE THE SEALING STRIP

DUC THANH NGUYEN
LICENSE
No 65034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Duc T. NGUYEN
P.E. No: 65034
Date: 7/23/2013

IKO Laminated Shingles Application Instructions

(ASTM D3161, Class F – IKO Cambridge AR and CRC Biltmore AR)
(ASTM D3161, Class F – IKO Grandeur)

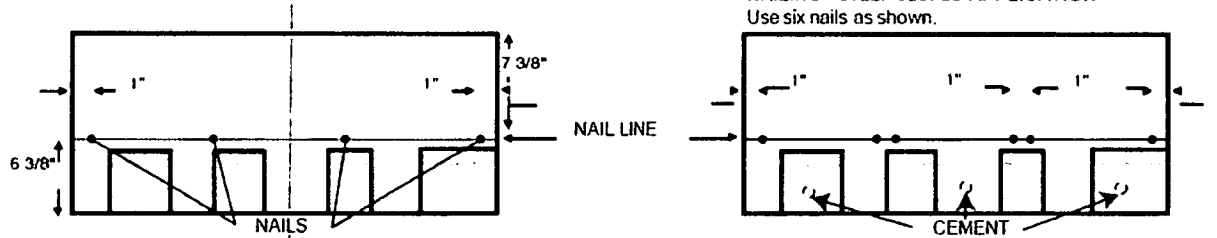
NOTE: THESE INSTRUCTIONS SHALL BE USED IN CONJUCTION WITH IKO'S PUBLISHED APPLICATION INSTRUCTIONS AND THE APPLICABLE CODE. IN THE EVENT THE INSTRUCTION CONFLICT, THESE INSTRUCTIONS WILL GOVERN.

ROOF DECK: Solidly sheathed and fastened deck conforming to 2010 FBC.

UNDERLAYMENT: Applied in accordance with building code requirements. For areas where the roof slope is less than 4" per foot down to 2" per foot, use 2 layers of underlayment conforming to building code requirements, the first sheet overlapping the eave protection by 19", followed by full 36" widths overlapping each preceding course by 19" or other *Approved* underlayments in accordance with the qualified application instructions. For areas where the roof slope is 4" per foot or greater, cover the deck with one ply of underlayment laid parallel to the eaves, with 2" horizontal laps and 4" end laps. Apply metal drip edges on top of any underlay along rake edges and directly to the deck along eaves in accordance with building code requirements.

NAILING: Use galvanized (zinc coated) roofing nails, 11 or 12 gauge, with at least 3/8" diameter heads, long enough to penetrate through plywood or 3/4" into boards. Use 4 nails per shingle placed in the nail line 7-3/8" below the top edge, approx. 1" and 13" in from each end. Drive nails straight so that nail head is flush with, but not cutting into shingle surface.

NAILING ON STEEP SLOPES: For steep slopes of 21" per foot (60°) or more, use 6 nails per shingle placed as shown below. Ensure that no nail is within 2" of a joint/cutout of the underlying shingle. Seal down each shingle at time of application with three 1" diameter (approx. size and thickness of a quarter) spots of asphalt plastic cement placed under the shingle 2" above the bottom edge and equally spaced along the shingle. Apply plastic cement in moderation since excessive amounts may cause blistering. CAUTION: Shingles should seal to the underlying course when the factory applied asphalt sealant is sufficiently warmed by the heat of direct sunlight.



PROPER APPLICATION REQUIRES THAT THE NAILS PENETRATE BOTH THE OVERLAY AND UNDERLAY PORTIONS OF THE SHINGLE

DUC THANH NGUYEN
LICENSE
No 65034
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Duc T. NGUYEN
P.E. No: 65034
Date: 7/23/2013

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

RESIDENTIAL REROOF WINDSTORM LOSS MITIGATION CERTIFICATION (FLORIDA STATUTE 553.844)

ALL RE-ROOFS REGARDLESS OF VALUE SHALL COMPLY WITH THE FOLLOWING:

Re-nailing: **All sheathing and decking shall be re-nailed per section 201.1 and a secondary water barrier installed.**

- **Existing fasteners that are 8d clipped head, round head or ring shank and spaced 6 in. or less o.c. may be counted. Additional fasteners shall be 8d rink shank nails with round heads spaced at 6 in. o.c. along framing.**
- **Indicate below which method is to be used to satisfy the secondary water barrier requirements:**

☐ **All joints in roof sheathing shall be covered with a minimum of 4 in. strip of self-adhering polymer modified bitumen tape. Wood deck and self-adhering tape shall be covered by one layer of approved underlayment.**

☑ **Entire roof deck shall be covered with an approved self-adhering polymer modified bitumen cap sheet. No additional underlayment is required.**

☐ **Outside of the HVHZ, an underlayment complying with section 1507.2.3 of the Florida Building Code, Building fastened as described below or a layer of asphalt impregnated approved #30 felt shall be installed. The felt is to be fastened with 1" round plastic cap or metal cap nails, attached to a nailable deck in a grid pattern of 12 inches (305 mm) staggered between the overlaps, with 6-inch (152 mm) spacing at the overlaps. For slopes of 2:12 to 4:12 an additional layer of felt shall be installed in a single-fashion and lapped 19" and fastened as described above. (No additional underlayment shall be required over the top of this sheet.)**

☐ **Exception: An approved 30# underlayment installed per HVHZ using nails and tin-tags and covered with an approved self-adhering polymer modified bitumen cap sheet or an approved cap sheet hot-moped shall be deemed to meet the requirements for secondary water barrier.**

Residential Structures valued at $300,000 or more **shall comply with the following:**

- **Roof to wall connections must be enhanced up to 15% additional cost of the re-roofing cost.**
- **A certified or registered general, building or residential contractor compliance affidavit must accompany the re-roof permit application and submit details to perform the following:**
  1. **Sufficient amount of eave sheathing shall be removed to view 6 ft. of roof rafters.**
  2. **Wherever a strap is missing or an existing strap has fewer than 4 fasteners on each end of connection with the wall, the connection shall be strengthened by adding:**
     a. **Metal connectors, clips, straps and fasteners to achieve an uplift capacity as specified in Table 201.3 OR**
     b. **Approved strap ties or right angle gusset brackets with a minimum uplift capacity of 500 lbs shall be installed to the top plate or masonry wall below**
     c. **Refer to sections 201.3.1 to 201.3.4 for prescriptive requirements.**

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

RE: Permit # 7123 Date 4/14/15

Inspection Affidavit

I Brian Maloney ,licensed as a(n) Contractor* /Engineer/Architect,
(please print name and circle Lic. Type) FS 468 Building Inspector*

License #; CCC 133065

On or about 4/14/15, I did personally inspect the *roof*
(Date & time)

deck nailing and/or secondary water barrier work at 16 Rio Vista,
(circle one) (Job Site Address)

Based upon that examination I have determined the installation was done according to the Hurricane Mitigation Retrofit Manual (Based on 553.844 F.S.)

Signature

STATE OF FLORIDA
COUNTY OF St Lucie
Sworn to and subscribed before me this 14 day of April, 2015

By Brian J Maloney.

Notary Public, State of Florida

(Print, type or stamp name)

Commission No.: 122434

Personally known ✓ or
Produced Identification ___
Type of identification produced. ___

ROBERT BRUNKE
MY COMMISSION EXPIRES
May 12, 2018
#FF 122434
NOTARY PUBLIC, STATE OF FLORIDA

* General, Building, Residential, or Roofing Contractor or any individual certified under 468 F.S. to make such an inspection. Include photographs of each plane of the roof with the permit # or address # clearly shown marked on the deck for each inspection.

TOWN OF SEWALL'S POINT

Building Department – Inspection Log

Date of Inspection ☐ Mon ☐ Tue ☒ Wed ☐ Thur ☐ Fri 4/15/15 Page 1 of __

PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
10827	DeRosa	Addition		GUARD ON ELEV.
	16 N Sewalls Pt Rd	Final	FAIL	DECK NOT TO CODE
	Wm Blamniero			INSPECTOR

PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
~~11238~~	Rao			
	~~16 Rio Vista Dr~~	Sheathing	~~[illegible]~~	
	Treasure Coast Roofing			INSPECTOR

PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
Tree	Langer	Tree		
	3 NE Lofting Way	Removal	Ok	
		Permit		INSPECTOR

PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

TOWN OF SEWALL'S POINT

Building Department – Inspection Log

Date of Inspection ☐ Mon ☐ Tue ☐ Wed ☒ Thur ☐ Fri 4/16/15 Page 1 of ___

PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11191	Whalen	Window Buck,	Pass	
	9 Knowles Road	Rough, Framing,	Fair	
	The Z Group	Plumbing + Electric		INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
[illegible]	Rao	Roof Dry-in		
	[illegible] Rio Vista Drive	+ Metal	[illegible]	
	Treasure Coast Roofing			INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
10973	Conch Property Holdings	Rough		
	19 Lantana Lane	Electrical	Pass	
	Conch Property Holdings			INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11062	Chapman	Window/Door		
	11 Palm Road	Final	Pass	
	Karam Haddad			INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

TOWN OF SEWALL'S POINT

Building Department – Inspection Log

Date of Inspection ☐ Mon ☐ Tue ☐ Wed ☐ Thur ☒ Fri 4/17/15 Page 1 of ___

PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11169	Licari	Interior		
	18 Perriwinkle Lane	Remodel Final	PASS	CLOSE
	Joseph Lina Services			INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11199	Olsen			
	12 Knowles Rd	Paver Driveway	PASS	CLOSE
	Apex Paver + Pool	Final		INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11191	Whalen	Rough Plumbing,		
	9 Knowles Rd	Electrical, Framing	PASS	
	The Z Group	Insulation		INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11238	Rao	Dry-in + Metal		
	16 Rio Vista Dr	Roof Tile In Progress	FAIL	
	Treasure Coast Roofing			INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
	18 ISLAND RD	INVESTIGATE		
				INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

TOWN OF SEWALL'S POINT

Building Department – Inspection Log

Date of Inspection ☐ Mon ☒ Tue ☐ Wed ☐ Thur ☐ Fri 4/21/15 Page 1 of ___

PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
Tree	Schwartz	Tree		
	70 N Sewalls Pt Rd	Removal	OK	
		Permit		INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11215	Winslow	Final		
	105 Sewalls Pt Rd	Gas Lines	PASS	
	O/B			INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
[illegible]	Rao	Roof		
	[illegible] Rio Vista	Final	[illegible]	[illegible]
	Treasure Coast Roofing			INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
10973	Conch Properties	Rough		
	19 Lantana Lane	A/C	PASS	
	Conch Properties			INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11007	Preissman	Final		
	305 Simara St	Remodel	PASS	CLOSE
	Winchip Construction			INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
Tree	Carelli	Tree Removal		
	4 Middle Road	Permit	OK	
				INSPECTOR
PERMIT #	OWNER/ADDRESSS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

TREE

587

TOWN OF SEWALL'S POINT

APPLICATION FOR TREE REMOVAL, RELOCATION, REPLACEMENT

Permit #__________

Date Issued__________

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

Owner Mr & Mrs Kevin Grady Address — Phone —

Contractor Ark Homes Const, Inc Address 957 S. Fed. Hwy. Phone 286-7761

Number of trees to be removed(list kinds of trees) 2 - Oaks, 1 - Elm
7 - Hickory

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

Number of trees to be replaced (list kinds of trees):
5 Hardwood 6 - Palms owes 5 Hardwood

Permit Fee $100.00 ($25.00 - first tree plus $10.00 - each additional tree - not to exceed $100.00.

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

Plans approved as submitted ✓ Plans approved as marked__________

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

Signature of applicant [signature] Date submitted__________

Approved by Building Inspector Dale Brown Date 6/30/94

Approved by Building Commissioner [signature] Date__________

Completed Date__________ Checked by__________

RECEIVED JUN 27 1994

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

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

RECORD OF INSPECTIONS
TOWN OF SEWALL'S POINT, FLORIDA

CERTIFICATE OF ~~APPROVAL~~ FOR OCCUPANCY ~~Y~~

Date 11/29/94

This is to request that a Certificate of Approval for Occupancy be issued to Mr Kevin Grady.

For property at 16 Rio Vista Drive (street address) built under Permit No. 3624 Dated 6/28/94 when completed in conformance with the Approved Plans.

Signed Elizabeth Grady

ITEM	DATE	APPROVED BY (initials)
1. Form board tie in	7/10/94	DB
2. Termite protection	7/12/94	DB
3. Footing - slab	7/13/94	DB
4. Rough plumbing - slab	7/8/94	DB
5. Rough electric - slab	9/28/94	DB
6. Lintel	8/17/94	DB
7. Dry in (final)	9/23/94	DB
8. Roof	9/23/94	DB
9. Framing	9/23/94	DB
10. Rough electric	9/23/94	DB
11. Rough plumbing	9/23/94	DB
12. A/C Ducts	9/23/94	DB
13. Insulation	9/27/94	DB
14. Final electric	11/29/94	DB
15. Final plumbing	11/29/94	DB
16. Final construction	11/29/94	DB
17. As-built survey	11/10/94	DB
18. Affidavit of cost	11/29/94	DB

Final Inspection for Issuance of Certificate for Occupancy

Approved by Building Inspector Dale Brown 11/29/94 date

Approved by Building Commissioner [signature] date

Utilities notified F P L 11/29/94 date

Original Copy sent to OWNER (owner) date

(Keep carbon copy for Town files)

RECORD OF INSPECTIONS
TOWN OF SEWALL'S POINT, FLORIDA

CERTIFICATE OF ~~APPROVAL~~ FOR OCCUPANCY ~~Y~~

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7. Dry in (final)	9/23/94	DB
8. Roof	10/23/94	DB
9. Framing	9/23/94	DB
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11. Rough plumbing	9/23/94	DB
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13. Insulation	9/27/94	DB
14. Final electric	11/29/94	DB
15. Final plumbing	11/29/94	DB
16. Final construction	11/29/94	DB
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Final Inspection for Issuance of Certificate for Occupancy

Approved by Building Inspector Dale Brown 11/29/94 date

Approved by Building Commissioner _____ date

Utilities notified F.P.L. 11/29/94 date

Original Copy sent to Owner (owner) _____ date

(Keep carbon copy for Town files)

3660

POOL

Permit No. 1160

Date

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

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

Owner KEVIN GRADY Present Address 284 NE BLAIRWOOD TRACE

Phone 225-6587 JB FL 34957

Contractor DESTEFANO POOLS INC Address 2882 SE DURANT AVE

Phone 288-7447 STUART FL 34997

Where licensed MARTIN License number SP00807

Electrical contractor BOB PATUK License number ME 00454

Plumbing contractor DESTEFANO License number SP00807

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

State the street address at which the proposed structure will be built: 16 RIO VISTA

Subdivision RIO VISTA Lot number 69 Block number

Contract price $ 14,000 Cost of permit $ 200

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

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 Kevin J. Grady

TOWN RECORD

Date submitted Approved: Building Inspector Date

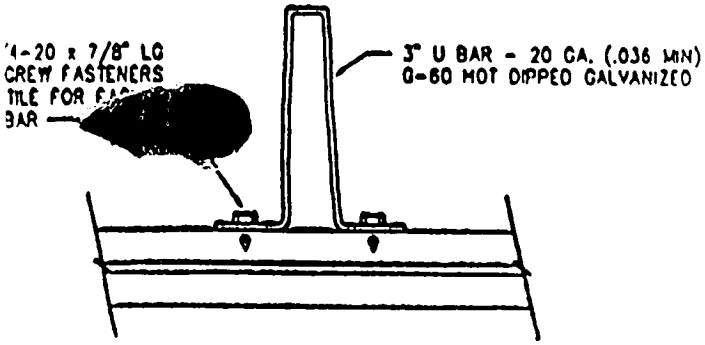
Approved: Commissioner Date Final Approval given: Date

Certificate of Occupancy issued (if applicable) Date

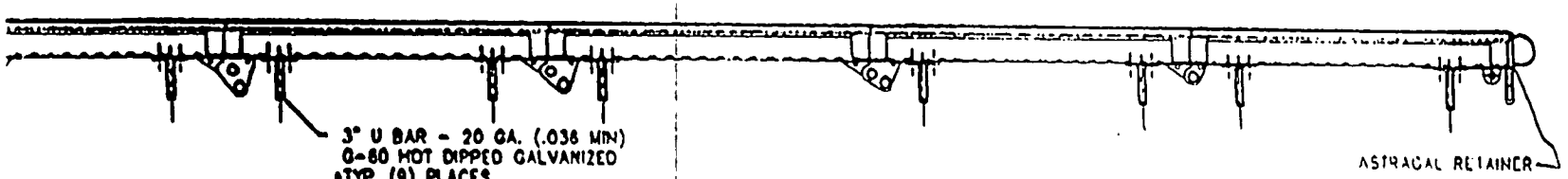
1282

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.



STIFFNER



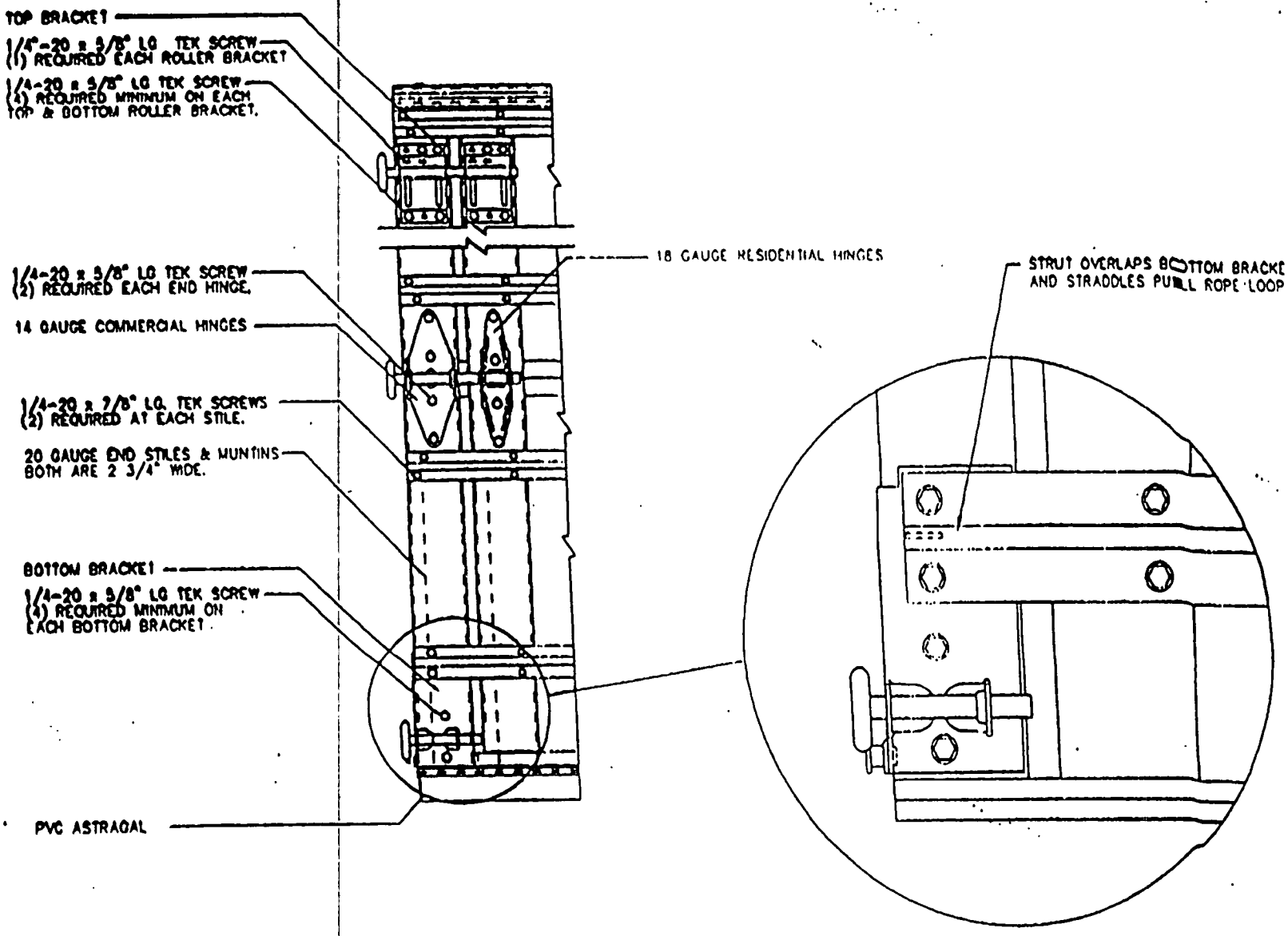
NOTES: 1. 8'-0" HIGH DOORS ARE 3 SECTIONS HIGH
2. 6'-6" & 7'-0" HIGH DOORS, 4 SECTIONS HIGH
3. ALL HOT-DIPPED GALVANIZED HARDWARE
4. DOORS & HARDWARE MEET OR EXCEED ANSI #102-1978 SPECIFICATION.
5. ALL DOUBLE-WIDE DOORS (10'x8'-0" THRU 16'x8') ARE WINDLOADED ACCORDING TO THIS DETAIL

• 16x8 DOOR SIZE TESTED TO 110 MPH

VLD BY: D. Monsour 5/2/94

FOAMCORE MODEL 37		
16' WIDE		DRAWING NO. #SF-37-8
DRAWN BY: A.THOMAS	DATE: 4/14/94	SHEET: 3 OF 7
APPROVED BY: D. MONSOUR, P.E.	SCALE: VARIES	PLOT SCALE: 1=1

Wayne Dalton

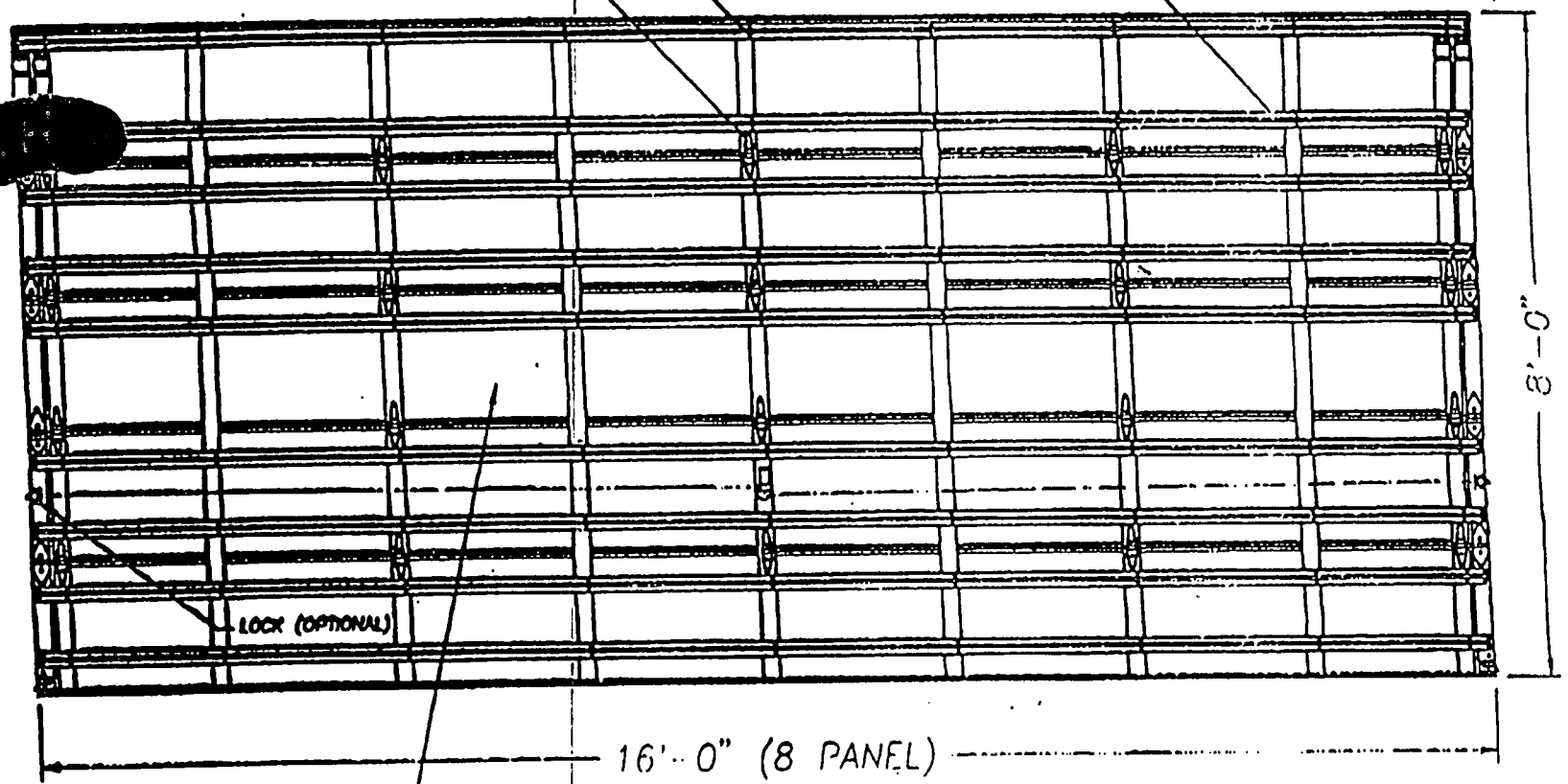


* 16x8 DOOR SIZE TESTED TO 110 MPH

FOAMCORE - MODEL 37		
16' WIDE		DRAWING NO. FSF-37-8
DRAWN BY A.THOMAS	DATE 4/14/94	SHEET 4 OF 7
APPROVED BY D. MONSOUR, P.E.	SCALE VARIES	PLOT SCALE 1=1

Wayne Dalton

APPROVED BY: David L. Monsour 5/2/94



NOTE:
IF 3RD SECTION IS GLAZED
(2) STRUTS ARE REQUIRED

* SECTION MAKE-UP:
8'-0" HIGH - (5) 19.2" SECTIONS
7'-0" HIGH - (4) 20.9" SECTIONS
6'-8" HIGH - (4) 19.2" SECTIONS

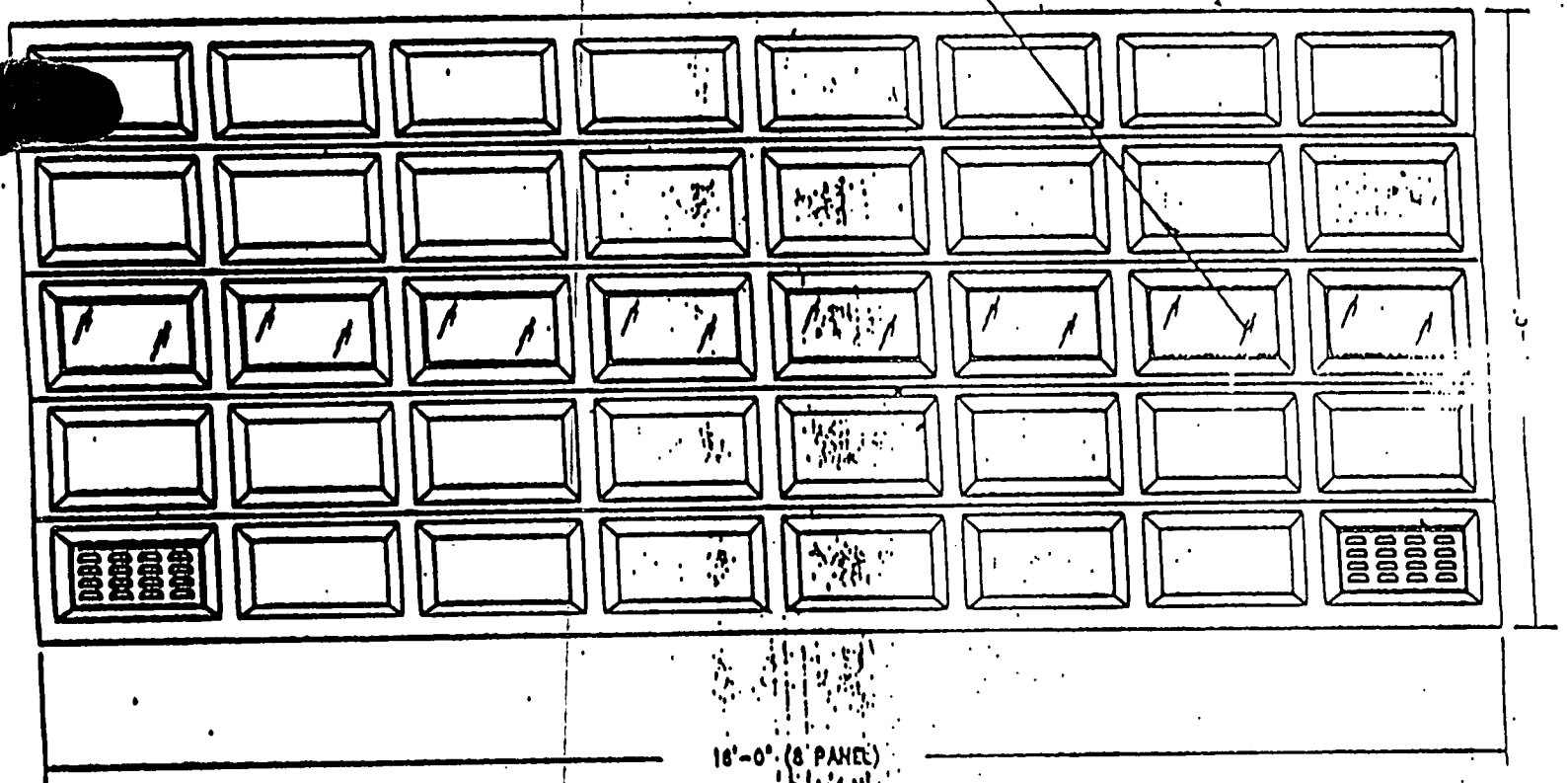
* 16x8 DOOR SIZE TESTED TO 110 MPH

FOAMCORE - MODEL 37		
16' WIDE		DRAWING NO. FSF-37-8
DRAWN BY A.THOMAS	DATE 5/12/94	SHEET 5 OF 7
APPROVED BY D. MONSOUR, P.E.	SCALE VARIES	PLOT SCALE 1=1

Wayne Dalton

APPROVED BY: [signature] 5/12/94

LITES MAY BE LOCATED IN THE TOP OR THIRD SECTION. SSB GLAZING. HIGH IMPACT STYRENE FRAME ASSEMBLY.



16'-0" (8 PANEL)

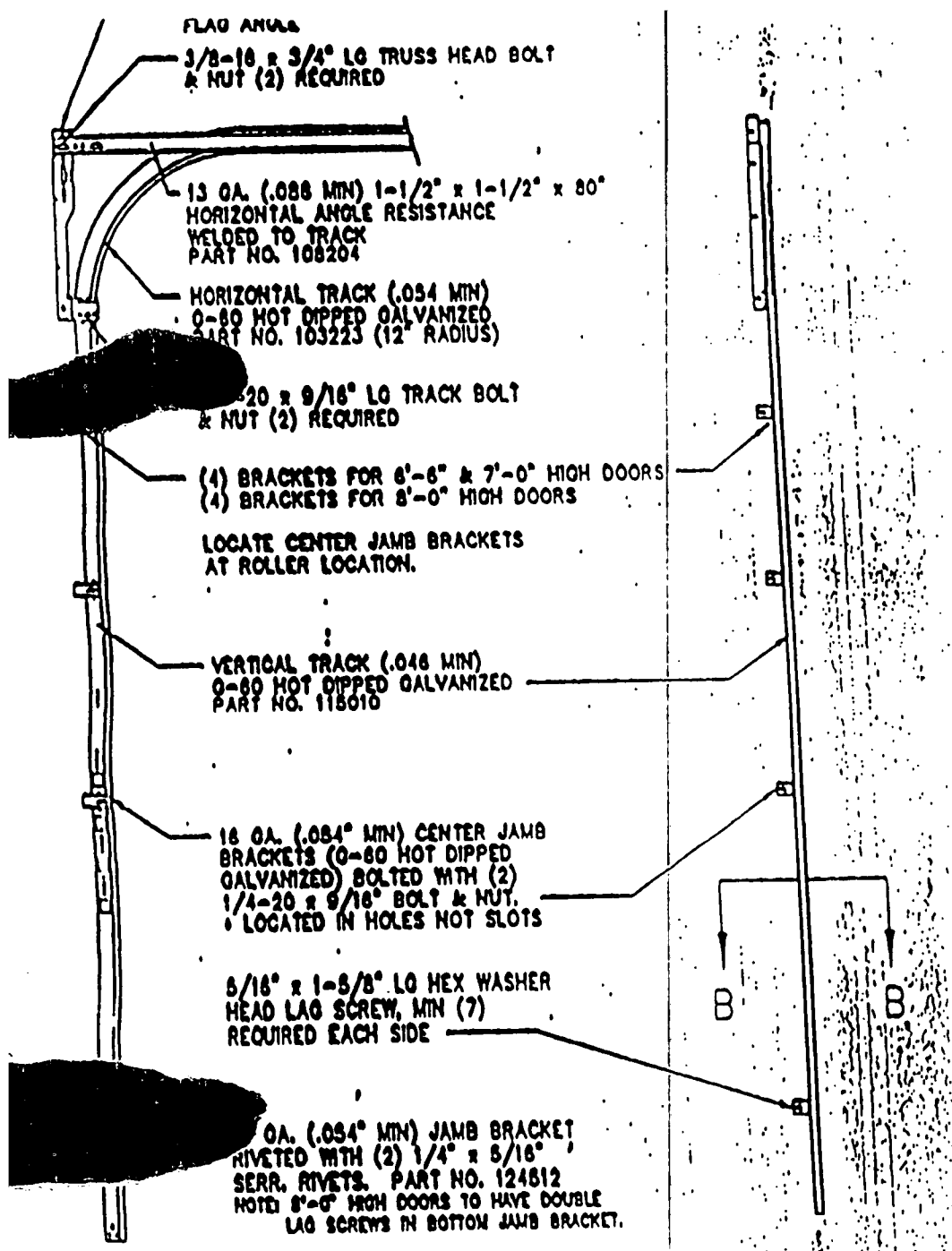
* SECTION MAKE-UP
8'-0" HIGH = (6) 18.2" SECTIONS
7'-0" HIGH = (4) 20.9" SECTIONS
6'-6" HIGH = (4) 19.2" SECTIONS

NOTE: (OPTIONAL)
LOUVERS TO BE LOCATED IN THE END PANELS OF THE BOTTOM SECTION. (.080" ALUMINUM)

* 16x8 DOOR SIZE TESTED TO 110 MPH

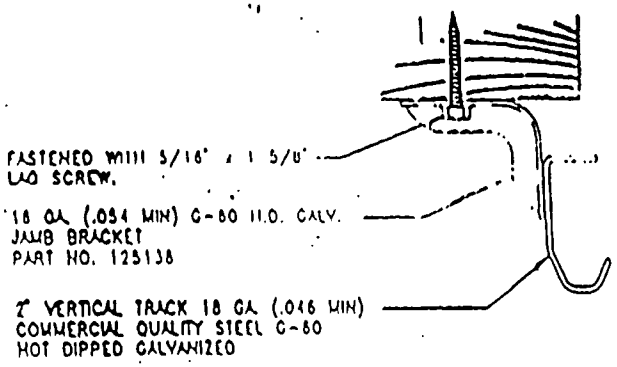
FOAMCORE - MODEL 37		
LITE & LOUVER OPTIONS		DRAWING NO. 15F-37-2
DRAWN BY T. SHULL	DATE 9/27/93	SHEET 6 OF
APPROVED BY D. MONSOUR, P.E.	SCALE VARIES	NOT TO SCALE 1=1

APPROVED BY: David S Monsour 9/30/93

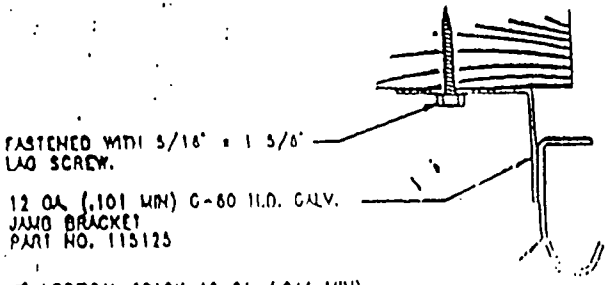


RESIDENTIAL TRACK DETAIL (BMW)

APPROVED BY: David O. Monsour 9/30/93



SECTION "B-B"



SECTION "B-B" (ALTERNATE)

* 16x8 DOOR SIZE TESTED TO 110 MPH

FOAMCORE TRACK		
16' WIDE		DRAWING NO. 15F-37-2
PROJECT ENGR. T. SHULL	DATE 9/27/93	SHEET 7 OF 7
APPROVED BY D. MONSOUR, P.E.	SCALE VARIES	ORIG. SCALE 1=1

Wayne Dalton

WIND LOAD TEST REPORT

PRODUCT TESTED: 16'-0" X 8'-0" FOAMCORE RAISED PANEL MODEL 37
5 sections (double end stiles) w/ TOP LITE

TEST NUMBER: WC94.005-110

TEST DATE: 4-12-94

TEST REQUIREMENT: The door must remain intact at a simulated 110 MPH wind load.

DRAWING NUMBER: SP-FC-6

PRODUCT DESCRIPTION:

1. The polyurethane core section has an exterior skin of .009" steel and poly-laminate liner on the interior.
2. Nine (9) center stiles per section (two per section used for double end stiles)
3. Standard metal retainer (.036)
4. Ten (10) long stem rollers and two (2) nylon rollers (the nylon rollers were used at the bottom brackets)
5. Eight (8) track jam brackets (4 per side)
6. End hinges: 14 and 18 gage (the 14 gage hinges were used on the end stiles)
7. Intermediate hinges: Twelve (12) 18 gage hinges
8. Nine (9) 3" struts (no pre-punched holes)
   a. The struts were attached with (2) 7/8" tek screws per stile (total of 22 tek screws per strut)
   b. The bottom strut was attached over the bottom bracket.
   c. The top strut was attached directly below the top stiffener.
   d. All remaining struts were placed directly below/above the hinges.
   e. The third section did not require a bottom strut.
9. Standard residential track was used.
10. Four (4) top brackets were used (two per side).

TEST PROCEDURE:

The test set-up included installing and sealing the door in the open wall of a test chamber located at the Wayne-Dalton Corp., Mt. Hope, Ohio. A large blower supplied air at a sufficient rate to maintain a pressure gradient across the door. A manometer measured the pressure difference in inches of water and this value was then converted to PSF using the formula listed below. The composition and structural support of the test specimen was as shown in the referenced drawing. This is also how the door will be sold for public use. Tape was applied over the lites for safety reasons.

Conversion Factors
PSF = Inches of Water x 5.197
PSF = 0.00256 x MPH x MPH

WITNESSES: Dave Monsour, Ron Stevens, Roger Murphy, Larry Wise, Brian Shetler

RESULTS: +31.0 PSF was obtained
The door remained intact. The exterior skin creased approx. two feet from the center of the door and the track and jam brackets showed some deformation.

CONCLUSIONS: This test demonstrated the ability of a 16' x 8' Foamcore (per drawing # SF-FC-6) to remain in its opening under a simulated 110 MPH wind load.

APPROVAL by SIMILARITY:
Capability equal to or better than the test door is claimed for the following products:

1) Doors of lesser width than the door tested that are otherwise the same. Reducing the width of a door reduces the stress on it and causes less load to be transmitted to the rollers, track, and brackets.

2) Doors 16' or less in width, and 6'6" high as defined by drawing # SF-FC-6 . The stress on all components in this product is the same as for the tested door.

3) Doors 16' or less in width, and 7'0" high as defined by drawing # SF-FC-6. A comparison of test # WC93.009 and WC93.010 shows that the 7' high door performs as well as the 8' high door.

APPROVED OPTIONS: Based on other test as being equivalent.
7 Ball Steel Rollers (Test # WC93.008)
Aluminum Louvers (Test # WC93.007)
Styrene Window Frame Assembly (Test # WC93.004)
16 Gage Jamb Bracket (Wayne-Dalton PCR # W-252)

5/21/

Components required to be added (deleted if negative) to a standard door to meet the specified wind load. Quantities in ( ) are total number provided.

Foamcore 95 MPH

	9x6'6	9x7'0	9x8'0	16x6'6	16x7'0	16x8'0
Struts 2"	4	4	5	0	0	0
Struts 3"	0	0	0	6	6	8
Struts 3" x 8"	0	0	0	24	24	32
Tek 7/8"	0	0	0	74	74	98
Tek 5/8"	36	36	46	48	48	64
Pop Rivet 3/16"	24	24	30	40	40	50
Track brackets	4(8)	4(8)	2(8)	4(8)	4(8)	2(8)
Track bolts	2(10)	2(10)	2(10)	2(10)	2(10)	2(10)
Flange Nut 1/4-20	2(10)	2(10)	2(10)	2(10)	2(10)	2(10)
Lag 5/16 x 1 5/8"	4(16)	4(16)	4(16)	6(18)	6(18)	6(18)
14 Gage End Hinges	no	no	no	yes	yes	yes
Horiz. Track 80" angle	0	0	0	1	1	1

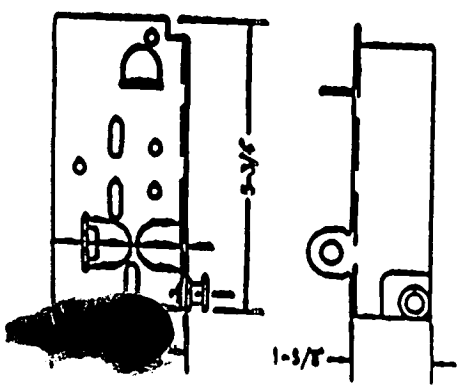
Foamcore 110 MPH

	9x6'6	9x7'0	9x8'0	16x6'6	16x7'0	16x8'0
Struts 2"	4	4	5	0	0	0
Struts 3"	0	0	0	7	7	9
Screw Tek 7/8"	0	0	0	154	154	198
Screw Tek 5/8"	36	36	50	14(24)	14(24)	14(24)
Screw AB 1/4-20 x 5/8	0	0	0	24(90)	24(90)	32(118)
Pop Rivet 3/16"	24	24	30	0	0	0
Track brackets	4(8)	4(8)	2(8)	4(8)	4(8)	2(8)
Track bolts	2(10)	2(10)	2(10)	2(10)	2(10)	2(10)
Flange Nut 1/4-20	2(10)	2(10)	2(10)	2(10)	2(10)	2(10)
Lag 5/16 x 1 5/8"	4(16)	4(16)	4(16)	6(18)	6(18)	6(18)
14 Gage End Hinges	NO	NO	NO	YES	YES	YES
18 Gage End Hinges	YES	YES	YES	YES	YES	YES
Horiz. Track 80" angle	NO	NO	NO	YES	YES	YES
Center Stiles	0	0	0	30(45)	30(45)	30(45)
Long Stem Rollers	0	0	0	8	8	10
Nylon Rollers	0	0	0	-8(2)	-8(2)	-10(2)
Top Brackets	0	0	0	2(4)	2(4)	2(4)

9-27-93

Modified 4-15-94
Modified 7-8-94 (reduced 3" struts on 7'0 & 6'6 doors from 8 to 7 & number of 7/8" Teks by 22)

REF. DRWG # SF-37-6

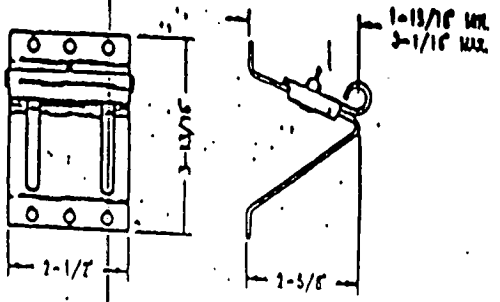


FOAMCORE BOTTOM BRACKET

13 GA. (.089 MIN.) HOT DIPPED GALVANIZED
PART NO. 100271

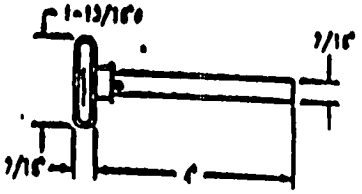
3" U BAR STRUT

20 GA. (.034 MIN.) HOT DIPPED GALVANIZED
PART NO. 118541-WO



TOP BRACKET

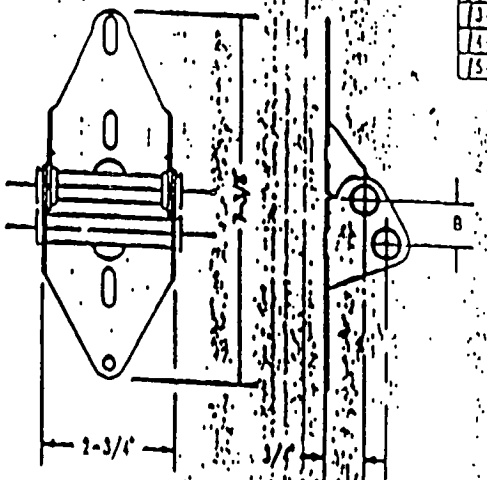
16 GA. (.060 MIN.) HOT DIPPED GALVANIZED
PART NO. 100270



NYLON SHORT ROLLER OR 7 BALL STEEL ROLLER

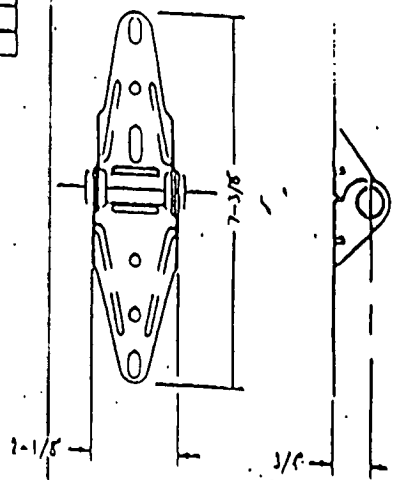
PART NO. 100269

A	B
2- 1"	2- 13/16"
3- 1-1/2"	3- 3/4"
4- 1-1/2"	4- 11/16"
5- 1-3/4"	5- 3/8"



RESIDENTIAL HINGE

(#2-#5) 14 GA. (.071 MIN.) HOT DIPPED GALVANIZED
PART NO. 100510



NARROW BODY HINGE

16 GA. (.045 MIN.) HOT DIPPED GALVANIZED
PART NO. 100266

* 16x8 DOOR SIZE TESTED TO 110 MPH

APPROVED BY: David G. Monsour 9/30/93.

FOAMCORE – MODEL 37			
16' WIDE			DRAWING NO. 15F-37-2
DRAWN BY T. SHULL	DATE 9/27/93		SHEET 2 OF 2
APPROVED BY D. MONSOUR, P.E.	SCALE VARIES		PLOT SCALE 1=1

Wayne Dalton