

41 South River Road

2287

SFR

THIS PERMIT MUST BE DISPLAYED IN FRONT OF JOB

2440
DO NOT REMOVE UNTIL JOB IS COMPLETED

OWNER Eric Holly
CONTRACTOR Sea Wind Group Inc
LOT 3 BLOCK _____ SUB Palmetto
NO. 18 Palmetto drive St. or Ave.

NO. 2287 Date Issued 5/5/88

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

TOWN OF SEWALL'S POINT BUILDING PERMIT

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

REQUIRED INSPECTIONS:	INSPECTOR'S FINDING	INSPECTOR'S SIGNATURE
1. LOT STAKES/SET BACKS		
2. TERMITE PROTECTION	<u>Subst Quality 5/26/88</u>	<u>[Signature] 5/1/88</u> <i>additions</i>
3. FOOTING - SLAB	<u>OK 5/26/88</u>	<u>[Signature]</u>
4. ROUGH PLUMBING	<u>OK 5/24/88</u>	<u>[Signature]</u>
5. ROUGH ELECTRIC	<u>OK 8/3/88</u>	<u>[Signature]</u>
6. LINTEL		
7. ROOF	<u>OK 8/3/88</u>	<u>[Signature]</u>
8. FRAMING	<u>OK 8/3/88</u>	<u>[Signature]</u>
9. INSULATION	<u>OK 8/9/88</u>	<u>[Signature]</u>
10. A/C DUCTS	<u>OK 8/3/88</u>	<u>[Signature]</u>
11. FINAL ELECTRIC		
12. FINAL PLUMBING		
FINAL CONSTRUCTION		

TO CONSTRUCT New house

REMARKS:

front & back patio stairs OK 8/6/88

TOWN OF SEWALL'S POINT, FLORIDA
 APPLICATION FOR PERMIT TO BUILD A HOUSE OR COMMERCIAL BUILDING

PERMIT NUMBER 2287 DATE OF APPLICATION April 29, 1988

To obtain permit the following are required:

1. Florida certification of builder and sub-contractors.
2. Certification of insurance from contractor or owner/builder re: liability and workers' compensation.
3. Two sets of building plans which must include: a) 1/4" scale building drawings, b) plot plan, c) foundation plan, d) floor plans, e) wall and roof cross-sections, e) plumbing, electrical and air conditioning layouts, f) at least two elevations showing the height of building from finished floor.
4. Recorded warranty deed to the property.
5. Septic tank permit and one set of plans with Martin County Health Department seal.
6. Energy code calculations.
7. Tree removal permit (for trees other than nuisance trees)
8. Certification of elevation from licensed surveyor and determination of flood zone.
9. Amount of fill anticipated - rough sketch showing location of fill N/A
10. Manufacturer's schedule of windows.

Owner ERIC B. HOLLY Current Address P.O. Box 1500
STUART, FL 34995
 Telephone 288-4880
 General Contractor THE SEAWIND GROUP, INC. Address 10 CENTRAL PARKWAY, SUITE 312
STUART, FL 34994
 Telephone 288-1770
 Where Licensed STATE OF FLORIDA License Number CGC 005916
 Plumbing Contractor SOUTH PARK PLUMBING License Number MC0049
 Electrical Contractor PORT ST LUCIE ELECT License Number MC-MEA0285
 Roofing Contractor CARDINAL ROOFING License Number CCC032513
 A/C Contractor BURTON & GROSSMAN License Number SP00730

Describe the building or alterations SINGLE STORY WOOD FRAME RESIDENCE
 Name the street on which the building, its front building line and its front yard will face 18 PALMETTO DRIVE

Subdivision PALMETTO PARK Lot 3 Block

Building area (inside walls) _____ Garage, porch, carport area _____
 Contract price (excluding carpet, land, appliances, landscaping) \$ 113,450.00

Cost of permit 984.50 Plans approved as submitted as marked _____

- In addition, the following are under consideration by contractor:
1. Building area inside walls must be a minimum of 100 square feet.
 2. Building permit fees are \$5.00 per \$1,000.00 of cost of the building, plus \$10. each for plumbing, electric, a/c, and roof. For example a \$100,000. building x \$5 = \$500. plus \$40/w.a. (pl., el., roof) = \$540. cost of permit + \$365. impact fee = \$905. total.
 3. If no contract is submitted as a permit fee of \$60. per square foot (other areas).

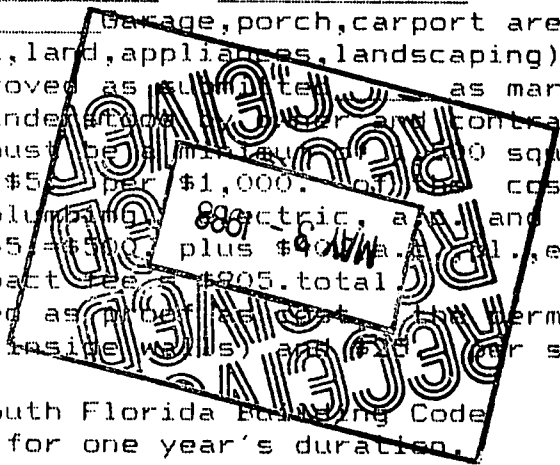
4. The Town has adopted the South Florida Building Code
5. Building permits are issued for one year's duration.
6. Construction must be started within 180 days or permit will be subject to revocation and forfeiture of fee.
7. ALL changes in plans must be approved by the Building Department.
8. Work hours are 8:AM to 5:PM Monday through Friday. NO SUNDAY WORK
9. Portable toilets must be on all construction sites.
10. Inspections are made Monday through Friday, 8:AM to Noon, 1:PM to 4:PM. 24 hour notice is required prior to all inspections.
11. String lines along property lines to facilitate set back inspections.

12. Before a certificate of occupancy is issued, the following are required:
- a. An owner's affidavit of building cost (form available) any discrepancy between the original fee and final fee (based on affidavit) will be adjusted.
 - b. Approval of septic tank installation by Martin Co. Health Dept.
 - c. Rough grading and clean up of grounds.
 - d. Affidavit from licensed surveyor showing slab elevation (if in "A" zone).
 - e. Certification by a qualified engineer or architect of the structural adequacy of the building.

13. THIS SUMMARY IS NOT A SUBSTITUTE FOR TOWN ORDINANCES. APPROVAL OF THE BUILDING PLANS IN NO WAY RELIEVES THE OWNER OR CONTRACTOR FROM COMPLIANCE WITH TOWN ORDINANCES.

14. In addition to the requirements of this permit there may be additional restrictions applicable to this property that may be found in the public records of this county.

Contractor's Signature [Signature] Date 4/29/88
 Approval by Building Inspector [Signature] Date 4/29/88
 Approval by Building Commissioner [Signature] Date 4/29/88
 Certificate of Occupancy issued _____ Date _____



Eric B. Holly
 Owner's Signature



STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

WS 6

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM

PERMIT NUMBER HD88-255 HOME PHONE 288-4880
 NAME OF APPLICANT ERIC B. HOLLY WORK PHONE 286-2020
 MAILING ADDRESS OF APPLICANT P.O. BOX 1500
STUART, FLORIDA ZIP CODE 34995
 LOT 3 (NIC) BLOCK _____ SUBDIVISION PALMETTO PARK
 IF NOT SUBDIVIDED, ATTACH A COMPLETE LEGAL DESCRIPTION
 PLAT BOOK 3 PAGE 66 DATE SUBDIVIDED AUGUST 22, 1919
 RESIDENTIAL: NUMBER DWELLING UNITS 1 NUMBER BEDROOMS 4
 LOT SIZE 19,988.66 FT² HEATED OR COOLED AREA OF HOME 2,840 FT²
 COMMERCIAL: TYPE OF BUSINESS PROPOSED _____
 BUILDING SIZE _____ FT²

-----AFFIDAVIT-----

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

SIGNATURE OF PROPERTY OWNER OR OWNER'S LEGALLY AUTHORIZED REPRESENTATIVE

[Handwritten Signature]

-----INSTALLATION SPECIFICATIONS-----

SEPTIC TANK CAPACITY 1200 GALLONS
 DRAINFIELD SIZE 500 SQUARE FEET 12 x 42 = 504
 DRAINFIELD ROCK MUST BE 5 FEET FROM FRONT OR REAR PROPERTY LINES AND 5 FEET FROM SIDE PROPERTY LINES. EXCAVATION CAN NOT EXTEND MORE THAN FIVE FEET FROM APPROVED INSTALLATION AREA.

* Not to exceed 18" of cover over DRAINFIELD ROCK.

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

Finish Soil Grade.

ISSUED BY: Jeff Chello DATE 4-29-88
 MARTIN COUNTY PUBLIC HEALTH UNIT

PLEASE NOTE:

- (1) IF BUILDING CONSTRUCTION DOES NOT START WITHIN ONE YEAR FROM DATE OF ISSUANCE, THIS PERMIT EXPIRES. IF BUILDING CONSTRUCTION STARTS WITHIN 1 YEAR FROM DATE OF ISSUANCE, THE DATE OF EXPIRATION WILL BE EXTENDED AN ADDITIONAL 90 DAYS.
- (2) APPLICANT IS RESPONSIBLE FOR REPLACING EXCAVATED SOILS WITH A GOOD GRADE OF SAND.
- (3) N/A REINSPECTION FEE IF WELL NOT INSTALLED AT TIME OF ONSITE SEWAGE DISPOSAL SYSTEM INSPECTION.
- (4) INSPECTION RESULTS WILL BE POSTED ON BUILDING PERMIT OR ON ELECTRICAL BOX.
- (5) IF BUILDING STUBOUT IS PLACED MORE THAN 20 FEET FROM SEPTIC TANK OR DRAINFIELD, A HIGHER STUBOUT ELEVATION THAN SHOWN ABOVE WILL BE REQUIRED.
- (6) IF FILL IS REQUIRED, CONTACT MARTIN COUNTY BUILDING DIVISION.
- (7) IF ANY INFORMATION ON THIS PERMIT CHANGES, AN UPDATED APPLICATION IS REQUIRED.
- (8) IF WELL OR MOUND DRAINFIELD IS PROPOSED, SEE ATTACHED SKETCH OF ADDITIONAL SPECIAL REQUIREMENTS.

-----FINAL INSPECTION-----

CONSTRUCTION APPROVED BY: _____ DATE _____
 MARTIN COUNTY PUBLIC HEALTH UNIT

AN APPROVED SYSTEM DOES NOT GUARANTEE PERFORMANCE



APPLICANT ERIC B. HOLLY

LEGAL DESCRIPTION LOT 3, PALMETTO PARK

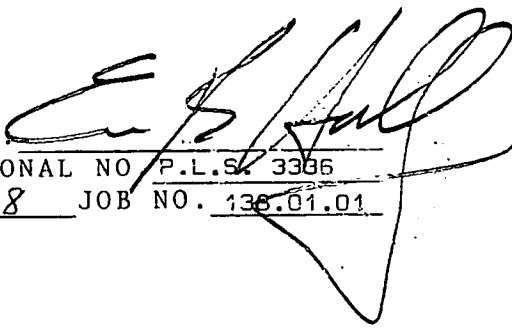
-----SITE INFORMATION-----

1. IS THERE A SEPTIC SYSTEM OR OTHER INTERFERENCE WITHIN 75 FEET OF THE PROPOSED PRIVATE WELL? NO
2. IS THERE A POTABLE PRIVATE WELL WITHIN 75 FEET OF THE PROPOSED AVAILABLE AREA FOR THE PROPOSED SEPTIC SYSTEM? NO
3. IS THERE AN IRRIGATION WELL WITHIN 50 FEET OF THE AVAILABLE AREA FOR THE PROPOSED SEPTIC SYSTEM? NO
4. IS THERE A PUBLIC WELL THAT SERVES LESS THAN 25 PEOPLE OR LESS THAN 15 HOMES WITHIN 100 FEET OF THE PROPOSED SEPTIC SYSTEM? NO
5. IS THERE A PUBLIC WELL WHICH SERVES MORE THAN 25 PEOPLE OR MORE THAN 15 HOMES WITHIN 200 FEET OF THE PROPOSED SEPTIC SYSTEM? NO
6. IS THERE A GRAVITY SEWER LINE OR LIFT STATION WITHIN 100 FEET OF THE PROPOSED LOT? NO
7. IS THERE A LAKE, STREAM, WETLAND, OR SURFACE WATER WITHIN 75 FEET OF THE PROPOSED AVAILABLE AREA FOR THE PROPOSED SEPTIC SYSTEM? NO
8. IS THERE A PROPOSED OR EXISTING PUBLIC DRINKING WATER LINE WITHIN 10 FEET OF THE PROPOSED SEPTIC SYSTEM? NO
9. IS THERE A STORM WATER RETENTION AREA OR DRAINAGE EASEMENT WITHIN 15 FEET OF THE PROPOSED SEPTIC SYSTEM? NO
10. IS THE SEPTIC SYSTEM IN AN AREA PROPOSED FOR PAVING OR VEHICULAR TRAFFIC? NO
11. ARE ALL PRIVATE WELLS, SEPTIC SYSTEMS AND SURFACE WATER ON ADJACENT OR CONTIGUOUS LAND WITHIN 75 FEET OF THE APPLICANT'S LOT, IF PRESENT, SHOWN ON PLOT PLAN? YES
12. ARE ALL PUBLIC WELLS WITHIN 200 FEET OF THE APPLICANT'S LOT, IF PRESENT, SHOWN ON PLOT PLAN? YES (THERE ARE NONE)
13. DOES THE PLOT PLAN INCLUDE A PLAT OF THE LOT OR TOTAL SITE OWNERSHIP DRAWN TO SCALE, BOUNDARIES WITH DIMENSIONS, LOCATIONS OF BUILDING OR RESIDENCES, SWIMMING POOLS, RECORDED EASEMENTS, THE PROPOSED SEPTIC SYSTEM, ANY PROPOSED OR EXISTING WELLS, PUBLIC WATER LINES, PAVED AREAS OR DRIVEWAYS, AND SURFACE WATERS SUCH AS LAKES, PONDS, STREAMS, CANALS, OR WETLANDS? YES
14. THERE IS 1,571 SQUARE FEET OF AVAILABLE LAND TO INSTALL THE SEPTIC SYSTEM. THIS AREA EXCLUDES INTERFERENCES. SHADE THIS AVAILABLE AREA ON PLOT PLAN.

-----ELEVATIONS-----

1. CROWN OF ROAD ELEVATION 27.0 NGVD SHOW LOCATION ON PLOT PLAN. IF ROAD IS NOT PAVED, BENCHMARK ELEVATION 21.47 NGVD SHOW LOCATION ON PLOT PLAN.
2. NATURAL GRADE ELEVATION IN AREA OF PROPOSED SEPTIC SYSTEM 27.0 NGVD SHOW LOCATION ON PLOT PLAN.
2. IS BUILDING LOCATED IN FLOOD HAZARD AREA "A" OR "V" AS IDENTIFIED ON FEMA MAPS? NO IF YES, WHAT IS THE MINIMUM REQUIRED FLOOD HAZARD FLOOR ELEVATION OF BUILDING? N/A NGVD.

NOTE: MUST BE CERTIFIED BY A FLORIDA REGISTERED SURVEYOR OF ENGINEER.

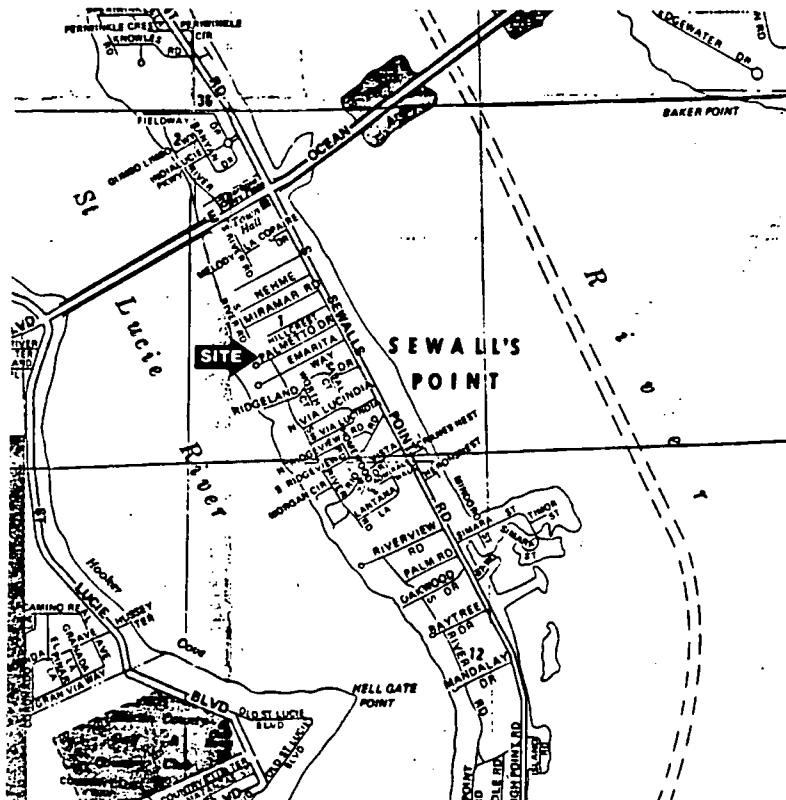
CERTIFIED BY 
 FL. PROFESSIONAL NO. P.L.S. 3386
 DATE: 4-25-88 JOB NO. 138.01.01



APPLICANT ERIC B. HOLLY

LEGAL DESCRIPTION LOT 3, PALMETTO PARK

SITE LOCATION MAP OR
DETAILED DIRECTIONS TO SITE



MARTIN COUNTY PUBLIC HEALTH UNIT
131 East 7th Street
Stuart, Florida, 34997
287-2277

STUBOUT ELEVATION AND EXCAVATION CERTIFICATION

APPLICANT: Eric B. Hill
LEGAL DESCRIPTION: LOT 3 Palmetto Park
SEPTIC TANK PERMIT NUMBER: HDB-255

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

1. Building Permit Number: _____.
- ___ 2. I certify that the elevation of the top of the lowest plumbing stubout is _____ inches above benchmark elevation as indicated on septic tank permit.
- ___ 3. I certify that the top of the lowest building plumbing stubout is _____ inches above crown of road elevation shown on septic tank permit.
- ___ 4. I certify that all severe limited soil has been removed from an area of _____ feet by _____ feet to a minimum depth of six (6) feet below top of required stubout elevation. Submit plot plan to scale of excavated area.

Date Observed: _____

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

CERTIFIED BY: _____

As applicant or applicant's representative, I understand the above requirements.

Date: _____ Job Number: _____

X.C. Kimpel
(Signature)

FOR MARTIN COUNTY PUBLIC HEALTH UNIT USE ONLY

(Signature of Environmental Health Specialist)

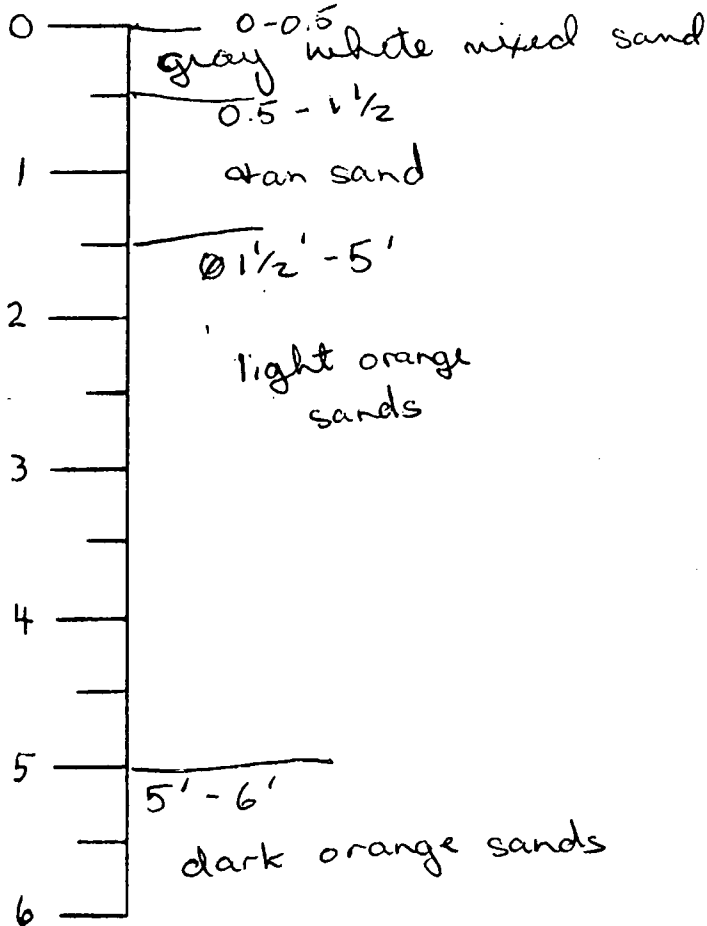
(Date)

MARTIN COUNTY PUBLIC HEALTH UNIT
131 East 7th Street
Stuart, Florida 34997
287-2277
SITE EVALUATION

APPLICANT: Eric Holly

LEGAL DESCRIPTION: Lot 3 Palmetto Park

SOIL PROFILE



USDA SOIL TYPE Paola

USDA SOIL NUMBER 6

Impervious soils are present at
76 below natural
grade.

Present Water Depth Below Natural Grade 76'

Wet Season Range Per Soil Survey 772"

Estimated Wet Season Water Depth Below Natural Grade 76'

Indicator Vegetation Present arrowroot, scrub oak, saw palmetto

Is Benchmark Located on Plot Plan and Present on Site? yes

Approximate Amount of Fill on Neighboring Lots ESG

Other Findings:

New road planned to be built in Next 3 months
on South edge of property

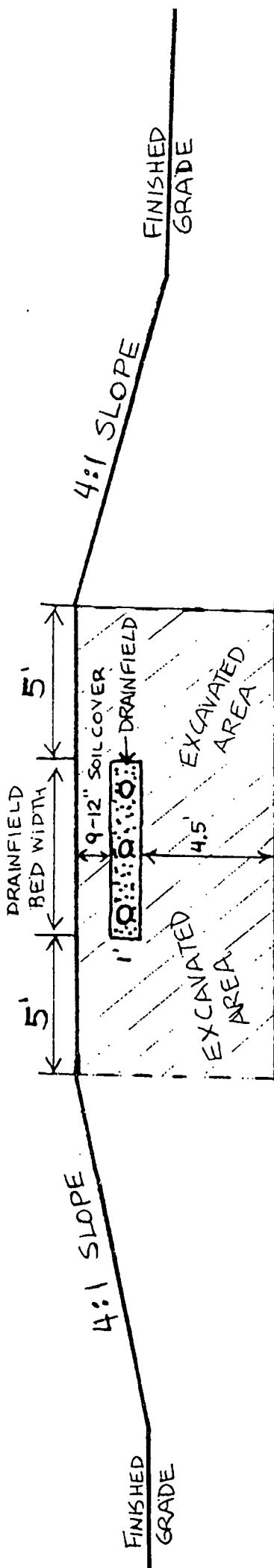
Driveway not labeled on plot plan

Several trees in available area may
need to be moved

EVALUATION BY: Deanna J. Pich

DATE: 4/27/88

DRAINFIELD MOUND REQUIREMENTS

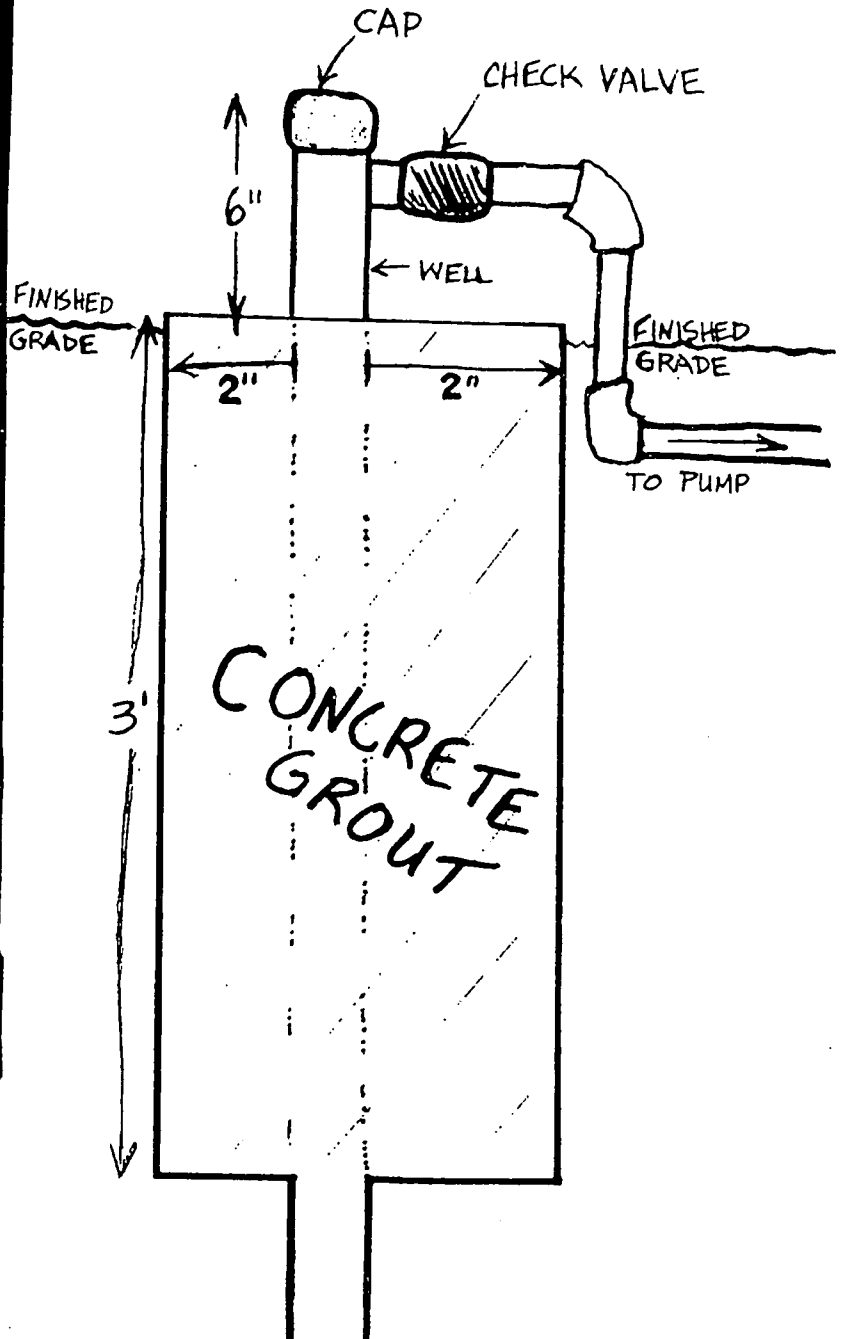


NOTE: THESE REQUIREMENTS MUST BE MET PRIOR TO FINAL APPROVAL.

MMC 4/85

WELL REQUIREMENTS

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



This instrument was prepared by:

Terence P. McCarthy
DeSoto, Cook, Pinner, Cook
Casper & Peterson, P.A.
922 South Federal Highway
STUART, FLORIDA 34994

461927

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

Warranty Deed. Made this 4th day of January 1983. **Between**

C. R. HOLLY and DOROTHY HOLLY, his wife,

of the County of Martin State of Florida grantor, and

ERIC B. HOLLY

whose post office address is 1917 S.E. Crystal Mist Street, Port St. Lucie, Florida 33452
of the County of Martin State of Florida grantee.

Witnesseth. That said grantor, for and in consideration of the sum of TEN and no/100—
(\$10.00) Dollars,

and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Martin County, Florida, to-wit:

THE GRANTORS CONVEY THEIR REMAINING ONE-HALF (1/2) INTEREST IN AND TO THE PROPERTY DESCRIBED IN EXHIBIT "A" ATTACHED HERETO.

IT IS THE INTENT OF THE GRANTORS TO INCLUDE IN THIS CONVEYANCE THE REMAINING ONE-HALF (1/2) OF THEIR INTEREST IN AND TO ALL REVERSION RIGHTS AND OTHER INCIDENTAL RIGHTS RESERVED TO THE GRANTORS IN THAT CERTAIN QUIT-CLAIM DEED TO THE TOWN OF SMALL'S POINT RECORDED IN OFFICIAL RECORDS BOOK 537, PAGE 1210, MARTIN COUNTY, FLORIDA PUBLIC RECORDS, AND THAT CERTAIN AGREEMENT WITH THE TOWN OF SMALL'S POINT ~~RECORDED IN~~ ~~OFFICIAL RECORDS BOOK~~ ~~537, PAGE 1210, MARTIN COUNTY, FLORIDA PUBLIC RECORDS,~~ DATED January 13, 1982, UNRECORDED.

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

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

In Witness Whereof, Grantor has hereunto set grantor's hand and seal the day and year first above written
Signed, sealed and delivered in our presence

[Handwritten signatures]

[Handwritten signature] _____ (Seal)
C. R. Holly
[Handwritten signature] _____ (Seal)
Dorothy Holly
[Handwritten signature] _____ (Seal)

STATE OF FLORIDA
COUNTY OF MARTIN

A. 560ME1639

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

C. R. HOLLY and DOROTHY HOLLY, his wife,

to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged before me that they executed the same

WITNESS my hand and official seal in the County and State last aforesaid on
19 83

[Handwritten signature]
F. Peter Welch
Notary Public

My commission expires

LEGAL DESCRIPTION

THAT CERTAIN LOT numbered as Three (3) on the Plat of PALMETTO PARK, recorded on the 11th day of June, 1957 in Plat Book 3, page 66, Public Records of Martin County, Florida, said Plat indicated that said Lot 3 was not a part of the Plat; said Lot 3 is more particularly described as follows:

BEGINNING at the most Northeasterly corner of said Lot 3; thence South $27^{\circ}22'00''$ East along the Easterly line of said Lot 3, a distance of 134.77 feet to the most Southeasterly corner of said Lot 3; thence South $62^{\circ}38'00''$ West along the Southerly line of said Lot 3 a distance of 150.00 feet to the most Southwesterly corner of said Lot 3; thence North $27^{\circ}22'00''$ West along the Westerly line of said Lot 3, a distance of 134.77 feet to the most Northwesterly corner of said Lot 3; thence North $62^{\circ}38'00''$ East along the Northerly line of said Lot 3, a distance of 150.00 feet to the most Northeasterly corner of said Lot 3 and the POINT OF BEGINNING.

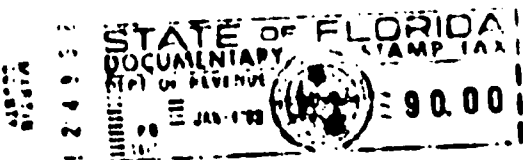
AND that certain parcel of land vacated by the Town of Sewall's Point as described in Official Records Book 188, page 479, of the Public Records of Martin County, Florida.

LESS AND EXCEPTING that certain parcel of land as described in Official Records Book 188, page 487, of the Public Records of Martin County, Florida.

ALSO LESS AND EXCEPTING that portion of said Lot 3 more particularly described in Official Records Book 537, page 1210 of the Public Records of Martin County, Florida.

SUBJECT TO a 6.00 foot Easement as described in Official Records Book 189, page 248, of the Public Records of Martin County, Florida.

ALL OF THE ABOVE DESCRIBED LANDS LYING IN THE TOWN OF SEWALL'S POINT, MARTIN COUNTY, FLORIDA. CONTAINING 19,988 SQUARE FEET



J. 560-1639

LOUISE J. JACOBS
CLERK OF THE COURT
MARTIN COUNTY, FLA.

83 JAN 6 10:28

RECORDS
MARTIN COUNTY, FLA.

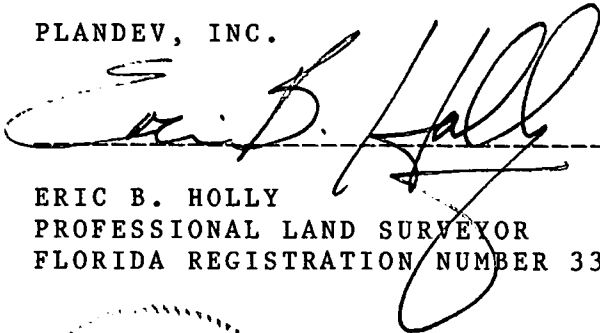
FLOOD ELEVATION CERTIFICATE

RE: LOT 3, PALMETTO PARK SUBDIVISION. PLAT BOOK 3, PAGE 66,
PUBLIC RECORDS, MARTIN COUNTY, FLORIDA.

18 PALMETTO DRIVE
STUART, FL 34996

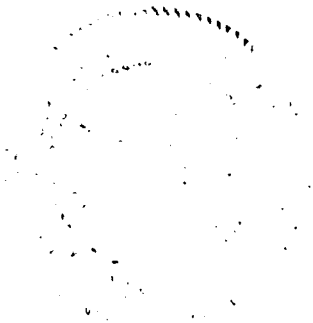
NATIONAL FLOOD INSURANCE PROGRAM DESIGNATION AS INDICATED ON
PANEL NO. 120164 0001C AND DATED APRIL 3, 1984 LOCATES THE PARCEL
IN ZONE C, AREA OF MINIMAL FLOODING WITH NO MINIMUM ELEVATION IN-
DICATED, SUBJECT TO ANY SCALING AND INTERPOLATION FACTORS
ASSOCIATED WITH MAPPING OF THIS ACCURACY.

PLANDEV, INC.



ERIC B. HOLLY
PROFESSIONAL LAND SURVEYOR
FLORIDA REGISTRATION NUMBER 3336

DATED: APRIL 29, 1988



PLANDEV, INC.
ENGINEERS · PLANNERS · SURVEYORS

201 S.W. Monterey Road
Stuart, Florida 34994

• Suite 39
(305) 286-2020

THE AMERICAN INSTITUTE OF ARCHITECTS



AIA Document A107

Abbreviated Form of Agreement Between Owner and Contractor

For CONSTRUCTION PROJECTS OF LIMITED SCOPE where
the Basis of Payment is a STIPULATED SUM

1978 EDITION

*THIS DOCUMENT HAS IMPORTANT LEGAL CONSEQUENCES; CONSULTATION WITH
AN ATTORNEY IS ENCOURAGED WITH RESPECT TO ITS COMPLETION OR MODIFICATION*

This document includes abbreviated General Conditions and should not be used with other General Conditions.
It has been approved and endorsed by The Associated General Contractors of America.

AGREEMENT

made as of the **FIRST** day of **MAY** in the year of Nineteen
Hundred and **EIGHTY EIGHT**

BETWEEN the Owner: **ERIC & SHARON KAY HOLLY**
PO BOX 1500
STUART, FL 34995-1500

and the Contractor: **The Seawind Group, Inc.**
10 CENTRAL PARKWAY, SUITE 312
STUART, FL 34994

the Project: **CONSTRUCT SINGLE FAMILY RESIDENCE ACCORDING TO PLANS**

the Architect: **ERIC HOLLY, OWNER**

The Owner and the Contractor agree as set forth below.

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Reproduction of the material herein or substantial quotation of its provisions without permission of the AIA violates the copyright laws of the United States
and will be subject to legal prosecution.

ARTICLE 1
THE WORK

- 1.1 The Contractor shall perform all the Work required by the Contract Documents for CONSTRUCTION OF
(Here insert the caption Descriptive of the Work as used on other Contract Documents.)

SINGLE FAMILY RESIDENCE ACCORDING TO PLANS AND SPECIFICATIONS DATED
MARCH 6, 1988, DELIVERED APRIL 29, 1988 BY OWNER AND ACCEPTED BY THE
SEAWIND GROUP, INC. PER THIS CONTRACT.

LEGAL DESCRIPTION: lot 3, PALMETTO PARK, PLAT BOOK 3, PAGE 66, MARTIN
COUNTY, FLORIDA

ARTICLE 2
TIME OF COMMENCEMENT AND SUBSTANTIAL COMPLETION

- 2.1 The Work to be performed under this Contract shall be commenced UPON ISSUANCE OF ALL PERMITS
and, subject to authorized adjustments, Substantial Completion shall be achieved not later than FIVE MONTHS
(Here insert any special provisions for liquidated damages relating to failure to complete on time.)

BARRING DELAYS BY WEATHER, ACTS OF GOD, AND CONDITIONS BEYOND THE CONTROL
OF THE CONTRACTOR.

ARTICLE 3
CONTRACT SUM

- 3.1 The Owner shall pay the Contractor in current funds for the performance of the Work, subject to additions and
deductions by Change Order as provided in the Contract Documents, the Contract Sum of ONE HUNDRED
TWENTY THOUSAND SEVEN HUNDRED AND FOUR DOLLARS AND 00/100

- 3.2 The Contract Sum is determined as follows: \$120,704.00

(State here the base bid or other lump sum amount, accepted alternates, and unit prices, as applicable.)

SEE ATTACHED DRAW SCHEDULE. (ESTIMATED CONSTRUCTION PROGRESS PAYMENTS)

ARTICLE 4
PROGRESS PAYMENTS

- 4.1 Based upon Applications for Payment submitted to the ~~ARCHITECT~~^{OWNER} by the Contractor and Certificates for Payment issued by the Architect, the Owner shall make progress payments on account of the Contract Sum to the Contractor as provided in the Contract Documents for the period ending the _____ day of the _____ month as follows:

(Here insert payment schedule and provision for retainage, if any.)

SEE ATTACHED: ESTIMATED CONSTRUCTION PROGRESS PAYMENTS

- 4.2 Payments due and unpaid under the Contract Documents shall bear interest from the date payment is due at the rate entered below, or in the absence thereof, at the legal rate prevailing at the place of the Project.

(Here insert any rate of interest agreed upon.) **10 PER CENT**

(Usury laws and requirements under the Federal Truth in Lending Act, similar state and local consumer credit laws and other regulations at the Owner's and Contractor's principal places of business, the location of the Project and elsewhere may affect the validity of this provision. Specific legal advice should be obtained with respect to deletion, modification, or other requirements such as written disclosure or waivers.)

ARTICLE 5
FINAL PAYMENT

- 5.1 Final payment, constituting the entire unpaid balance of the Contract Sum, shall be paid by the Owner to the Contractor when the Work has been completed, the Contract fully performed, ~~and all obligations of the Contractor have been satisfied.~~
~~has been accepted by the Architect.~~

ARTICLE 6
ENUMERATION OF CONTRACT DOCUMENTS

- 6.1 The Contract Documents, which constitute the entire agreement between the Owner and the Contractor, are listed in Article 7 and, except for Modifications issued after execution of this Agreement, are enumerated as follows:

(List below the Agreement, the Conditions of the Contract, [General, Supplementary, and other Conditions], the Drawings, the Specifications, and any Addenda and accepted alternates, showing page or sheet numbers in all cases and dates where applicable.)

- A) JOB COST IS PREDICATED ON ATTACHED COST ESTIMATE SHEET
- B) SPECIFICATIONS SHALL BE GOVERNED BY ATTACHED SELECTION SHEET

GENERAL CONDITIONS

ARTICLE 7 CONTRACT DOCUMENTS

7.1 The Contract Documents consist of this Agreement with General Conditions, Supplementary and other Conditions, the Drawings, the Specifications, all Addenda issued prior to the execution of this Agreement, and all Modifications issued by the Architect after execution of the Contract such as Change Orders, written interpretations and written orders for minor changes in the Work. The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work. The Contract Documents are complementary, and what is required by any one shall be as binding as if required by all. Work not covered in the Contract Documents will not be required unless it is consistent therewith and reasonably inferable therefrom as being necessary to produce the intended results.

7.2 Nothing contained in the Contract Documents shall create any contractual relationship between the Owner or the Architect and any Subcontractor or Sub-subcontractor.

7.3 By executing the Contract, the Contractor represents that he has visited the site and familiarized himself with the local conditions under which the Work is to be performed.

7.4 The Work comprises the completed construction required by the Contract Documents and includes all labor necessary to produce such construction, and all materials and equipment incorporated or to be incorporated in such construction.

ARTICLE 8 ARCHITECT

8.1 The Architect will provide administration of the Contract and will be the Owner's representative during construction and until final payment is due.

8.2 The Architect shall at all times have access to the Work wherever it is in preparation and progress.

8.3 The Architect will visit the site at intervals appropriate to the stage of construction to familiarize himself generally with the progress and quality of the Work and to determine in general if the Work is proceeding in accordance with the Contract Documents. However, the Architect will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. On the basis of his on-site observations as an architect, he will keep the Owner informed of the progress of the Work, and will endeavor to guard the Owner against defects and deficiencies in the Work of the Contractor. The Architect will not have control or charge of and will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, and he will not be responsible for the Contractor's failure to carry out the Work in accordance with the Contract Documents.

8.4 Based on the Architect's observations and an evalua-

tion of the Contractor's Applications for Payment, the Architect will determine the amounts owing to the Contractor and will issue Certificates for Payment in accordance with Article 15.

8.5 The Architect will be the interpreter of the requirements of the Contract Documents. He will make decisions on all claims, disputes or other matters in question between the Contractor and the Owner, but he will not be liable for the results of any interpretation or decision rendered in good faith. The Architect's decisions in matters relating to artistic effect will be final if consistent with the intent of the Contract Documents. All other decisions of the Architect, except those which have been waived by the making or acceptance of final payment, shall be subject to arbitration upon the written demand of either party.

8.6 The Architect will have authority to reject Work which does not conform to the Contract Documents.

8.7 The Architect will review and approve or take other appropriate action upon the Contractor's submittals such as Shop Drawings, Product Data and Samples, but only for conformance with the design concept of the Work and with the information given in the Contract Documents.

ARTICLE 9 OWNER

9.1 The Owner shall furnish all surveys and a legal description of the site.

9.2 Except as provided in Paragraph 10.5, the Owner shall secure and pay for necessary approvals, easements, assessments and charges required for the construction, use or occupancy of permanent structures or permanent changes in existing facilities.

9.3 The Owner shall forward all instructions to the Contractor through the Architect.

9.4 If the Contractor fails to correct defective Work or persistently fails to carry out the Work in accordance with the Contract Documents, the Owner, by a written order, may order the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of the Owner to stop the Work shall not give rise to any duty on the part of the Owner to exercise this right for the benefit of the Contractor or any other person or entity.

ARTICLE 10 CONTRACTOR

10.1 The Contractor shall supervise and direct the Work, using his best skill and attention and he shall be solely responsible for all construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work under the Contract.

10.2 Unless otherwise specifically provided in the Contract Documents, the Contractor shall provide and pay for all labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for the proper

execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

10.3 The Contractor shall at all times enforce strict discipline and good order among his employees and shall not employ on the Work any unfit person or anyone not skilled in the task assigned to him.

10.4 The Contractor warrants to the Owner and the Architect that all materials and equipment incorporated in the Work will be new unless otherwise specified, and that all Work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All Work not conforming to these requirements may be considered defective.

10.5 Unless otherwise provided in the Contract Documents, the Contractor shall pay all sales, consumer, use and other similar taxes which are legally enacted at the time bids are received, and shall secure and pay for the building permit and for all other permits and governmental fees, licenses and inspections necessary for the proper execution and completion of the Work.

10.6 The Contractor shall give all notices and comply with all laws, ordinances, rules, regulations, and lawful orders of any public authority bearing on the performance of the Work, and shall promptly notify the Architect if the Drawings and Specifications are at variance therewith.

10.7 The Contractor shall be responsible to the Owner for the acts and omissions of his employees, Subcontractors and their agents and employees, and other persons performing any of the Work under a contract with the Contractor.

10.8 The Contractor shall review, approve and submit all Shop Drawings, Product Data and Samples required by the Contract Documents. The Work shall be in accordance with approved submittals.

10.9 The Contractor at all times shall keep the premises free from accumulation of waste materials or rubbish caused by his operations. At the completion of the Work he shall remove all his waste materials and rubbish from and about the Project as well as his tools, construction equipment, machinery and surplus materials.

10.10 The Contractor shall pay all royalties and license fees. He shall defend all suits or claims for infringement of any patent rights and shall save the Owner harmless from loss on account thereof.

10.11 To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner and the Architect and their agents and employees from and against all claims, damages, losses and expenses, including but not limited to attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claim, damage, loss or expense (1) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting therefrom, and (2) is caused in whole or in part by any negligent act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or

obligation of indemnity which would otherwise exist as to any party or person described in this Paragraph 10.11. In any and all claims against the Owner or the Architect or any of their agents or employees by any employee of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under this Paragraph 10.11 shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any Subcontractor under workers' or workmen's compensation acts, disability benefit acts or other employee benefit acts. The obligations of the Contractor under this Paragraph 10.11 shall not extend to the liability of the Architect, his agents or employees, arising out of (1) the preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs or specifications, or (2) the giving of or the failure to give directions or instructions by the Architect, his agents or employees provided such giving or failure to give is the primary cause of the injury or damage.

ARTICLE 11 SUBCONTRACTS

11.1 A Subcontractor is a person or entity who has a direct contract with the Contractor to perform any of the Work at the site.

11.2 Unless otherwise required by the Contract Documents or in the Bidding Documents, the Contractor, as soon as practicable after the award of the Contract, shall furnish to the Architect in writing the names of Subcontractors for each of the principal portions of the Work. The Contractor shall not employ any Subcontractor to whom the Architect or the Owner may have a reasonable objection. The Contractor shall not be required to contract with anyone to whom he has a reasonable objection. Contracts between the Contractor and the Subcontractors shall (1) require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by the terms of the Contract Documents, and to assume toward the Contractor all the obligations and responsibilities which the Contractor, by these Documents, assumes toward the Owner and the Architect, and (2) allow to the Subcontractor the benefit of all rights, remedies and redress afforded to the Contractor by these Contract Documents.

ARTICLE 12 WORK BY OWNER OR BY SEPARATE CONTRACTORS

12.1 The Owner reserves the right to perform work related to the Project with his own forces, and to award separate contracts in connection with other portions of the Project or other work on the site under these or similar Conditions of the Contract. If the Contractor claims that delay or additional cost is involved because of such action by the Owner, he shall make such claim as provided elsewhere in the Contract Documents.

12.2 The Contractor shall afford the Owner and separate contractors reasonable opportunity for the introduction and storage of their materials and equipment and the execution of their work, and shall connect and coordinate his Work with theirs as required by the Contract Documents.

12.3 Any costs caused by defective or ill-timed work shall be borne by the party responsible therefor.

ARTICLE 13 MISCELLANEOUS PROVISIONS

13.1 The Contract shall be governed by the law of the place where the Project is located.

13.2 All claims or disputes between the Contractor and the Owner arising out of, or relating to, the Contract Documents or the breach thereof shall be decided by arbitration in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association then obtaining unless the parties mutually agree otherwise. Notice of the demand for arbitration shall be filed in writing with the other party to the Owner-Contractor Agreement and with the American Arbitration Association and shall be made within a reasonable time after the dispute has arisen. The award rendered by the arbitrators shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof. Except by written consent of the person or entity sought to be joined, no arbitration arising out of or relating to the Contract Documents shall include, by consolidation, joinder or in any other manner, any person or entity not a party to the agreement under which such arbitration arises, unless it is shown at the time the demand for arbitration is filed that (1) such person or entity is substantially involved in a common question of fact or law, (2) the presence of such person or entity is required if complete relief is to be accorded in the arbitration, (3) the interest or responsibility of such person or entity in the matter is not insubstantial, and (4) such person or entity is not the Architect or any of his employees or consultants. The agreement herein among the parties to the Agreement and any other written agreement to arbitrate referred to herein shall be specifically enforceable under the prevailing arbitration law.

ARTICLE 14 TIME

14.1 All time limits stated in the Contract Documents are of the essence of the Contract. The Contractor shall expedite the Work and achieve Substantial Completion within the Contract Time.

14.2 The Date of Substantial Completion of the Work is the date certified by the Architect when construction is sufficiently complete so that the Owner can occupy or utilize the Work for the use for which it is intended.

14.3 If the Contractor is delayed at any time in the progress of the Work by changes ordered in the Work, by labor disputes, fire, unusual delay in transportation, adverse weather conditions not reasonably anticipatable, unavoidable casualties, or any causes beyond the Contractor's control, or by any other cause which the Architect determines may justify the delay, then the Contract Time shall be extended by Change Order for such reasonable time as the Architect may determine.

ARTICLE 15 PAYMENTS AND COMPLETION

15.1 Payments shall be made as provided in Article 4 and Article 5 of this Agreement.

15.2 Payments may be withheld on account of (1) defective work not remedied, (2) claims filed, (3) failure of the Contractor to make payments properly to Subcontractors or for labor, materials, or equipment, (4) damage to the Owner or another contractor, or (5) persistent failure to carry out the Work in accordance with the Contract Documents.

15.3 When the Architect agrees that the Work is substantially complete, he will issue a Certificate of Substantial Completion.

15.4 Final payment shall not be due until the Contractor has delivered to the Owner a complete release of all liens arising out of this Contract or receipts in full covering all labor, materials and equipment for which a lien could be filed, or a bond satisfactory to the Owner indemnifying him against any lien. If any lien remains unsatisfied after all payments are made, the Contractor shall refund to the Owner all moneys the latter may be compelled to pay in discharging such lien, including all costs and reasonable attorneys' fees.

15.5 The making of final payments shall constitute a waiver of all claims by the Owner except those arising from (1) unsettled liens, (2) faulty or defective Work appearing after Substantial Completion, (3) failure of the Work to comply with the requirements of the Contract Documents, or (4) terms of any special warranties required by the Contract Documents. The acceptance of final payment shall constitute a waiver of all claims by the Contractor except those previously made in writing and identified by the Contractor as unsettled at the time of the final Application for Payment.

ARTICLE 16 PROTECTION OF PERSONS AND PROPERTY

16.1 The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. He shall take all reasonable precautions for the safety of, and shall provide all reasonable protection to prevent damage, injury or loss to (1) all employees on the Work and other persons who may be affected thereby, (2) all the Work and all materials and equipment to be incorporated therein, and (3) other property at the site or adjacent thereto. He shall give all notices and comply with all applicable laws, ordinances, rules, regulations and orders of any public authority bearing on the safety of persons and property and their protection from damage, injury or loss. The Contractor shall promptly remedy all damage or loss to any property caused in whole or in part by the Contractor, any Subcontractor, any Sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable, except damage or loss attributable to the acts or omissions of the Owner or Architect or anyone directly or indirectly employed by either of them or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to his obligations under Paragraph 10.11.

ARTICLE 17 INSURANCE

17.1 Contractor's liability insurance shall be purchased

and maintained by the Contractor to protect him from claims under workers' or workmen's compensation acts and other employee benefit acts, claims for damages because of bodily injury, including death, and from claims for damages, other than to the Work itself, to property which may arise out of or result from the Contractor's operations under this Contract, whether such operations be by himself or by any Subcontractor or anyone directly or indirectly employed by any of them. This insurance shall be written for not less than any limits of liability specified in the Contract Documents, or required by law, whichever is the greater, and shall include contractual liability insurance applicable to the Contractor's obligations under Paragraph 10.11. Certificates of such insurance shall be filed with the Owner prior to the commencement of the Work.

17.2 The Owner shall be responsible for purchasing and maintaining his own liability insurance and, at his option, may maintain such insurance as will protect him against claims which may arise from operations under the Contract.

17.3 Unless otherwise provided, the Owner shall purchase and maintain property insurance upon the entire Work at the site to the full insurable value thereof. This insurance shall include the interests of the Owner, the Contractor, Subcontractors and Sub-subcontractors in the Work and shall insure against the perils of fire and extended coverage and shall include "all risk" insurance for physical loss or damage including, without duplication of coverage, theft, vandalism, and malicious mischief.

17.4 Any loss insured under Paragraph 17.3 is to be adjusted with the Owner and made payable to the Owner as trustee for the insureds, as their interests may appear, subject to the requirements of any mortgagee clause.

17.5 The Owner shall file a copy of all policies with the Contractor before an exposure to loss may occur.

17.6 The Owner and Contractor waive all rights against each other for damages caused by fire or other perils to the extent covered by insurance obtained pursuant to this Article or any other property insurance applicable to the Work, except such rights as they may have to the proceeds of such insurance held by the Owner as trustee. The Contractor shall require similar waivers in favor of the Owner and the Contractor by Subcontractors and Sub-subcontractors.

ARTICLE 18 CHANGES IN THE WORK

18.1 The Owner, without invalidating the Contract, may order Changes in the Work consisting of additions, deletions, or modifications, the Contract Sum and the Contract Time being adjusted accordingly. All such changes in the Work shall be authorized by written Change Order signed by the Owner and the Architect.

18.2 The Contract Sum and the Contract Time may be changed only by Change Order.

18.3 The cost or credit to the Owner from a change in the Work shall be determined by mutual agreement.

ARTICLE 19 CORRECTION OF WORK

19.1 The Contractor shall promptly correct any Work rejected by the Architect as defective or as failing to conform to the Contract Documents whether observed before or after Substantial Completion and whether or not fabricated, installed or completed, and shall correct any Work found to be defective or nonconforming within a period of one year from the Date of Substantial Completion of the Contract or within such longer period of time as may be prescribed by law or by the terms of any applicable special warranty required by the Contract Documents. The provisions of this Article 19 apply to Work done by Subcontractors as well as to Work done by direct employees of the Contractor.

ARTICLE 20 TERMINATION OF THE CONTRACT

20.1 If the Architect fails to issue a Certificate for Payment for a period of thirty days through no fault of the Contractor, or if the Owner fails to make payment thereon for a period of thirty days, the Contractor may, upon seven additional days' written notice to the Owner and the Architect, terminate the Contract and recover from the Owner payment for all Work executed and for any proven loss sustained upon any materials, equipment, tools, and construction equipment and machinery, including reasonable profit and damages applicable to the Project.

20.2 If the Contractor defaults or persistently fails or neglects to carry out the Work in accordance with the Contract Documents or fails to perform any provision of the Contract, the Owner, after seven days' written notice to the Contractor and without prejudice to any other remedy he may have, may make good such deficiencies and may deduct the cost thereof including compensation for the Architect's additional services made necessary thereby, from the payment then or thereafter due the Contractor or, at his option, and upon certification by the Architect that sufficient cause exists to justify such action, may terminate the Contract and take possession of the site and of all materials, equipment, tools, and construction equipment and machinery thereon owned by the Contractor and may finish the Work by whatever method he may deem expedient, and if the unpaid balance of the Contract Sum exceeds the expense of finishing the Work, such excess shall be paid to the Contractor, but if such expense exceeds such unpaid balance, the Contractor shall pay the difference to the Owner.

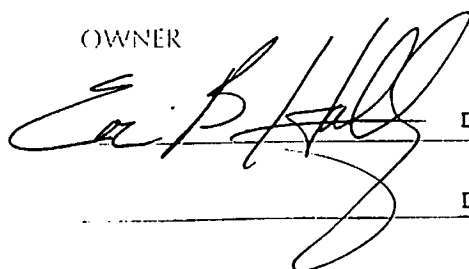
ARTICLE
OTHER CONDITIONS PROVISIONS

- 1) ALL MONIES SAVED BY THE CONTRACT SHALL BE RETURNED TO THE OWNER AS CREDIT OR SHALL BE REFUNDED UPON COMPLETION. ANY WORK COVERED UNDER THE CONTRACT THAT IS PERFORMED BY THE OWNER SHALL BE CREDITED BACK TO THE OWNER BY THE CONTRACTOR.
- 2) ALL CHANGES, ADDITIONS OR DELETIONS SHALL BE UPON WRITTEN CHANGE ORDER. ANY CHANGES RESULTING IN ADDITIONAL COST SHALL BE AT COST PLUS 20 PER CENT PAYABLE UPON SIGNING OF CHANGE ORDER.

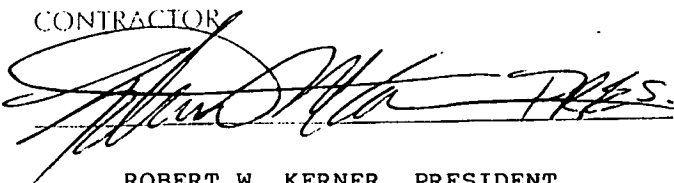
This Agreement entered into as of the day and year first written above.

OWNER

CONTRACTOR



DATE: 5/4/88



ROBERT W. KERNER, PRESIDENT

DATE:

REVISED 3-22-88
4-5-88 PR

ESTIMATE SHEET AND MATERIAL SELECTION

NAME ERIC HOLLY RESIDENCE
LOT _____ BLOCK _____
JOB # _____

	TYPE	COLOR	QUANT.	LABOR	MATERIAL	TOTAL
ARCHITECTURAL FEES						BY OWNER
SURVEY & ENGINEERING						BY OWNER
SEPTIC PERMIT						90-
BUILDING PERMIT						593-
IMPACT FEES						367-
CLEARING, FILLING, GRADE					ALLOWANCE	2,500-
TEMPORARY ELECT						BY OWNER
PORTABLE TOILET						220-
SOIL TESTING						BY OWNER
STAKE OUT & LAYOUT						BY OWNER
TERMITE TREATMENT						112-
SLAB MASONRY LABOR		WITH STEMWALL				2,750-
SLAB CONC & STEEL MATL						3,450-
FRAMING MAT'LS						9,500
CONCRETE BLOCK						N-A
TIE BEAM						N-A
ROOF TRUSSES						5,685-
PLUMBING						3,990-
ELECTRICAL						5,643-
A C						4,300-
ROOFING LABOR						980-
ROOFING MATERIAL						2,246-
INSULATION						1,478-
DRYWALL MAT'LS						5,900-
HANG						-
FINISH						-
SPRAY						-
CABINETS & VANITYS						5,846-
INTERIOR TRIM MAT'LS						4,240-
CARPENTRY-FRAME						9,625-
FINISH						1,100-
STUCCO						N-A
MARBLE SILLS						305-
WINDOWS & SG DOORS						1,777-
FIXED GLASS						N-A
GARAGE DOOR & OPENER						612-
SEPTIC TANK						1,365-
SEWER HOOK UP						N-A
WELL PUMP & TANK						BY OWNER
MARBLE:BATH TUB						675-
WHIRLPOOL						-
SHOWER						-
VANITY TOPS						775-
MIRRORS						375-
MEDICINE CABINETS						58-

ESTIMATE SHEET AND MATERIAL SELECTION

	TYPE	COLOR	QUANT.	LABOR	MATERIAL	TOTAL
SHELVING						290-
SHOWER DOOR						115-
PAINTING: EXTERIOR						5,110-
INTERIOR						
CULVERT						?
CONC. DRIVE MAT'LS						4,800-
LABOR						-
CERAMIC TILE: FLOORS						4,250-
WALLS						-
PATIO SCREENING						600-
CARPETING						2,560
VINYL FLOORING						92
LIGHT FIXTURES						1,200-
CEILING FANS			4 @ 80			340
APPLIANCES: RANGE					660-	2,190 *
HOOD					120-	
DISPOSAL				+ TAX	INCL.	
DISHWASHER					4160	
REFRIGERATOR					950	
FINAL GRADING						150-
SPRINKLER SYSTEM						BY OWNER
IRRIGATION WELL						-
FENCING						-
POOL						-
POOL DECK (KOOL DECK)						-
POOL SCREENING						-
SOD						1,500-
LANDSCAPING						BY OWNER
MAIL BOX & NUMBERS						BY OWNER
TRASH HAULING						850
FINAL CLEAN UP						350
INTEROCM						-
VACUUM						-
SECURITY SYSTEM				INSTALL PIPING		150
						-
MISC CONTINGENCY						2,000-
						(100,104-)
SUPERVISION						5,600-
GENERAL CONDITIONS						
OFFICE OVERHEAD 5%						5,000-
TAXES						
SUB TOTAL						
PROFIT 10%						10,000
TOTAL CONTRACT PRICE						120,704-

WASHER & DRYER: ADD 880-

HENRIKSEN ENGINEERING, INC.

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

P.O. Box 1710, 2660 SE Fairmont Street, Stuart, Florida 33495, (305) 286-6124 / (305) 286-6047

SOILS INSPECTION

PROJECT Holly Residence PROJECT NO. 300-1351
LOCATION 18 Palmetto Drive REPORT NO. -1-
CLIENT Eric Holly DATE 5/16/88
TYPE OF FILL varicolored medium sand
METHOD OF COMPACTION n/a TYPE OF PROCTOR T-180
MAXIMUM DENSITY OF MATERIAL 102.8 DENSITY REQUIRED 95%

LOCATIONS AND RESULTS OF TESTS

<u>TEST NUMBER</u>	<u>TEST LOCATION</u>	<u>DEPTH BELOW FINISHED GRADE</u>	<u>PERCENT MOISTURE</u>	<u>PERCENT COMPACTION</u>
1	Northwest corner of pad	0-1'	5.8	95.5
2	Southwest corner of pad	0-1'	8.1	95.8
3	Center of pad	0-1'	4.6	99.9
4	Same as test #3	1-2'	4.1	98.4
5	Northeast corner of pad	0-1'	5.1	98.9

REMARKS: _____

APPROVED BY: _____

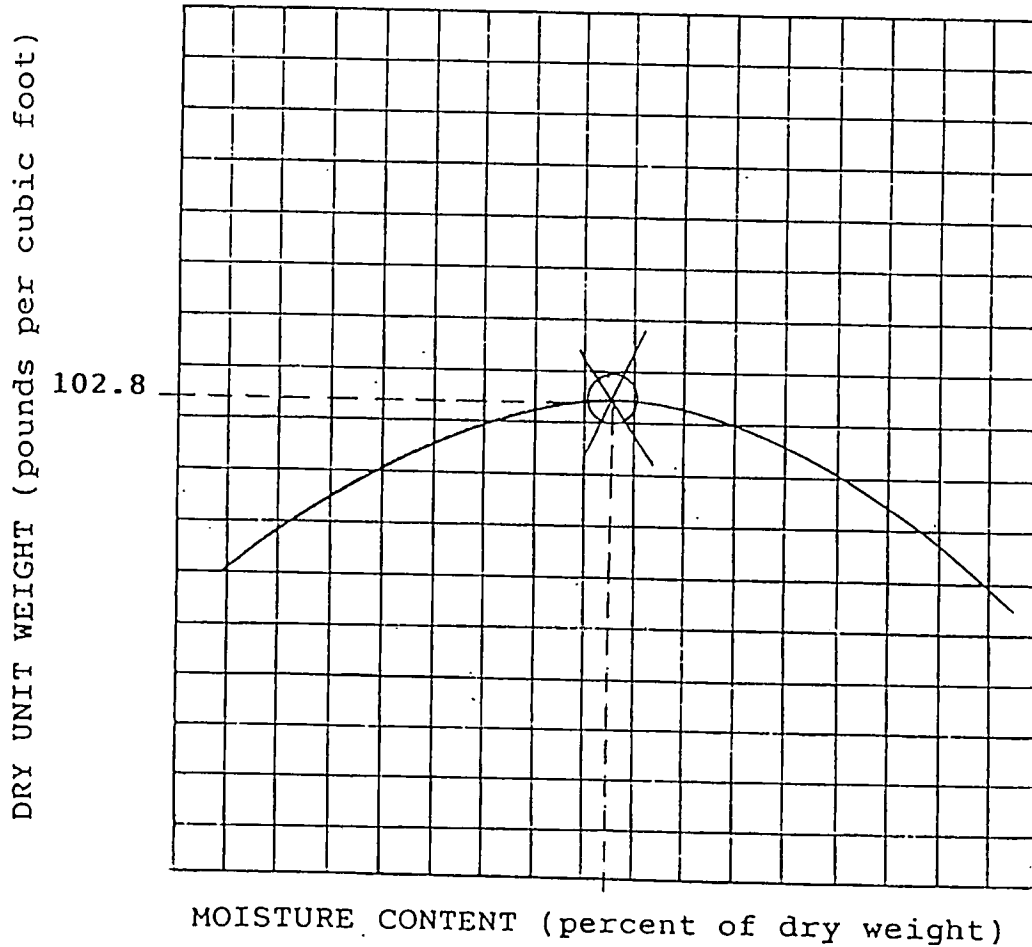
CARL H.D. HENRIKSEN, P.E.

HENRIKSEN ENGINEERING, INC.
CONSULTANTS IN GEOTECHNICAL ENGINEERING AND MATERIALS TESTING

2660 S.E. FAIRMONT STREET
STUART, FLORIDA 34997

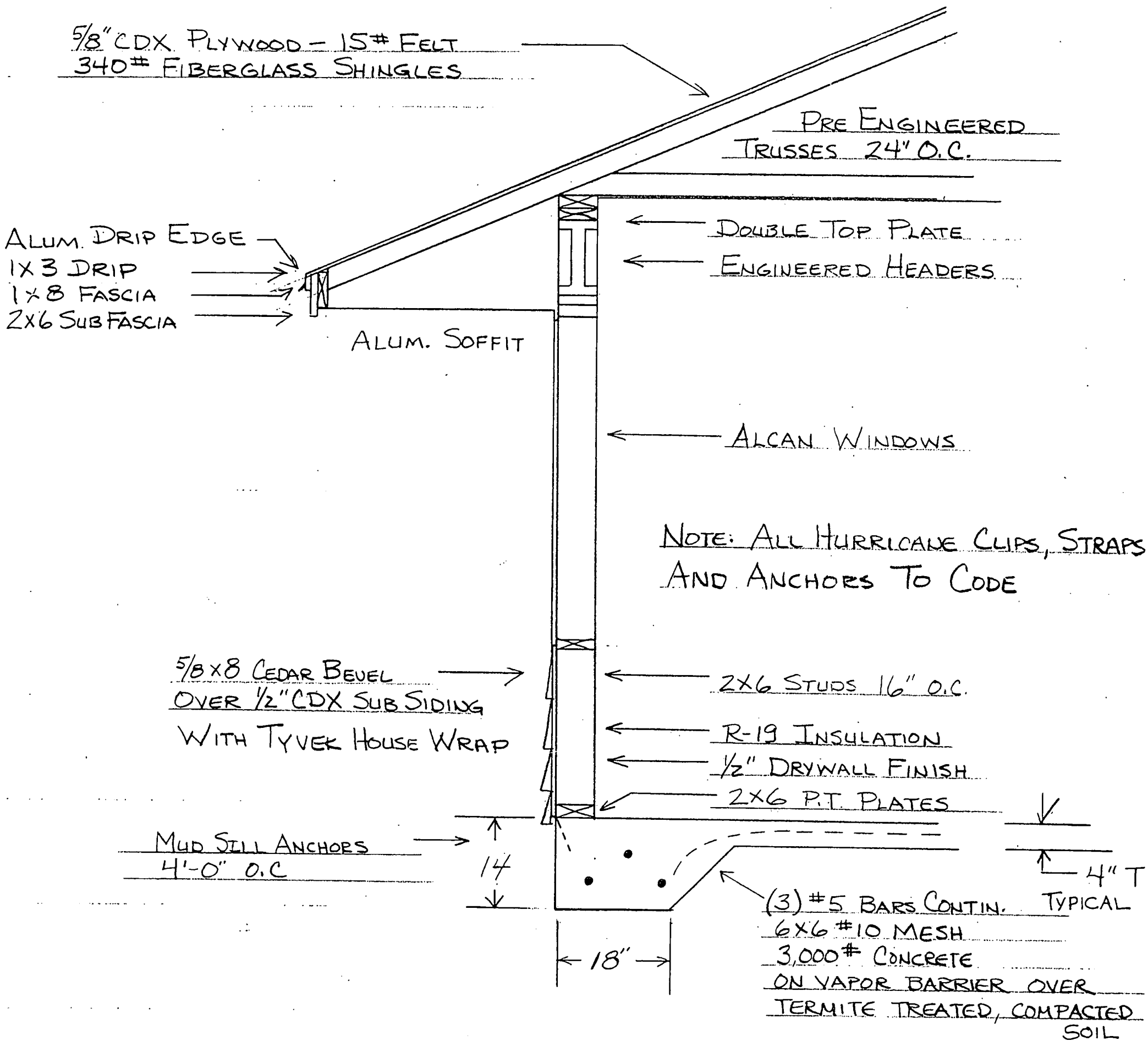
P.O. BOX 1710
STUART, FLORIDA 34995

PROJECT Holly Residence JOB/CLIENT NO. 300-1351
LOCATION 18 Palmetto Drive, Sewalls Point DATE 5/16/88
CLIENT Eric Holly REPORT NO. -2-
TYPE OF SOIL varicolored medium sand TYPE OF PROCTOR T-180
MAXIMUM DENSITY OF MATERIAL 102.8 (p.c.f) OPTIMUM MOISTURE 9.4



9.4

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



TYPICAL WALL SECTION
3/4" = 1'-0"

HOLLY RESIDENCE, 18 PALMETTO DRIVE
SEWALL'S POINT, FL

3742

RECORD OF INSPECTIONS

TOWN OF SEWALL'S POINT, FLORIDA

CERTIFICATE OF APPROVAL FOR OCCUPANCY

Date 12/14/88

This is to request that a Certificate of Approval for Occupancy be issued to Holly
For property built under Permit No. 2287 Dated 5/5/88 when completed in
conformance with the Approved Plans.

Item		
1. LOT STAKES/SET BACKS	<u>5/26/88</u>	Signed <u>[Signature]</u>
2. TERMITE PROTECTION	<u>5/24/88</u>	
3. FOOTING - SLAB	<u>5/26/88</u>	Approved by <u>[Signature]</u>
4. ROUGH PLUMBING	<u>5/24/88</u>	
5. ROUGH ELECTRIC	<u>8/3/88</u>	
6. LINTEL		
7. ROOF	<u>8/3/88</u>	
8. FRAMING	<u>8/3/88</u>	
9. INSULATION	<u>8/9/88</u>	
10. A/C DUCTS	<u>8/3/88</u>	
11. FINAL ELECTRIC	<u>12/14/88</u>	
12. FINAL PLUMBING	<u>12/14/88</u>	
13. FINAL CONSTRUCTION	<u>12/14/88</u>	

Final Inspection for Issuance of Certificate for Occupancy.

Approved by Building Inspector Dale Brown 12/14/88 date

Approved by Building Commissioner Merrill Clarke 12/14/88 date

Utilities notified F P L 12/16/88 date

Original Copy sent to _____

(Keep carbon copy for Town files)

RECORD OF INSPECTIONS

TOWN OF SEWALL'S POINT, FLORIDA

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7. ROOF	<u>8/3/88</u>
8. FRAMING	<u>8/3/88</u>
9. INSULATION	<u>8/9/88</u>
10. A/C DUCTS	<u>8/3/88</u>
11. FINAL ELECTRIC	<u>12/14/88</u>
12. FINAL PLUMBING	<u>12/14/88</u>
13. FINAL CONSTRUCTION	<u>12/14/88</u>

Signed [Signature]
 Approved by

Final Inspection for Issuance of Certificate for Occupancy.

Approved by Building Inspector Dale Brown 12/14/88 date

Approved by Building Commissioner [Signature] 12/14/88 date

Utilities notified F P L 12/14/88 date

Original Copy sent to _____

(Keep carbon copy for Town files)

3742

TREE HOUSE

3742

TAX FOLIO NO. _____

DATE 2/16/95

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 ERIC B. HOLLY Present address 41 S. RIVER RD.

Phone 288-4880

Contractor N/A Address _____

Phone _____

Where licensed _____ License number _____

Electrical Contractor N/A License number _____

Plumbing Contractor N/A License number _____

Describe the structure, or addition or alteration to an existing structure, for which this permit is sought: CHILDREN'S TREEHOUSE / MULTUSE STRUCTURE

SEE DETAIL SHEETS 1-3 ATTACHED.

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

41 S. RIVER RD.

Subdivision PALMETTO Lot Number 3 Block Number _____

Contract price \$ 100 Cost of permit \$ 24.00

Plans approved as submitted Plans approved as marked _____

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

Contractor [Signature]

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

Owner [Signature]

TOWN RECORD

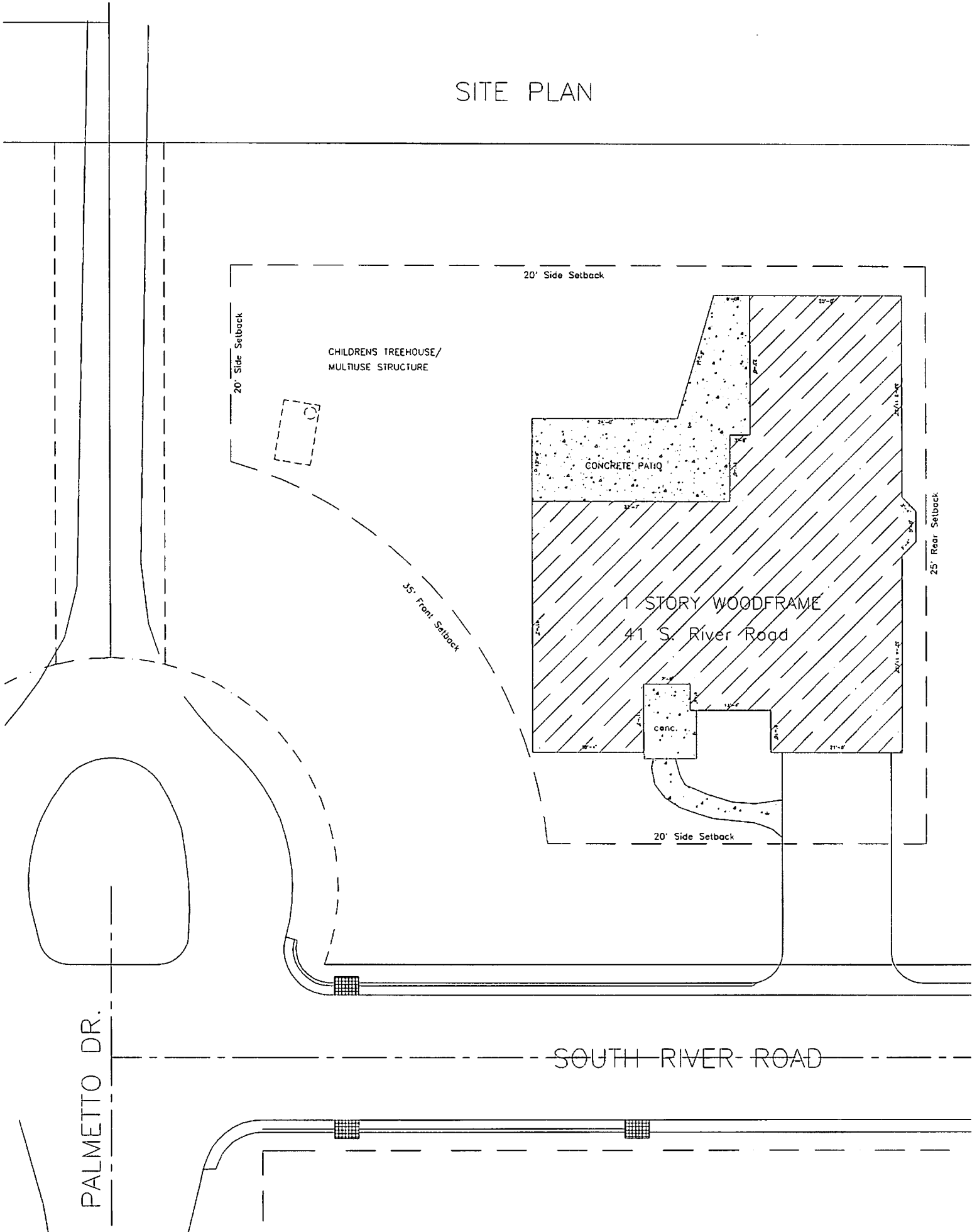
Date submitted _____ Approved: [Signature] 2/16/95
Building Inspector Date

Approved: [Signature] _____ Final approval given: _____
Commissioner Date Date

CERTIFICATE OF OCCUPANCY issued (if applicable) _____ Date _____

PERMIT NO. 3742

SITE PLAN



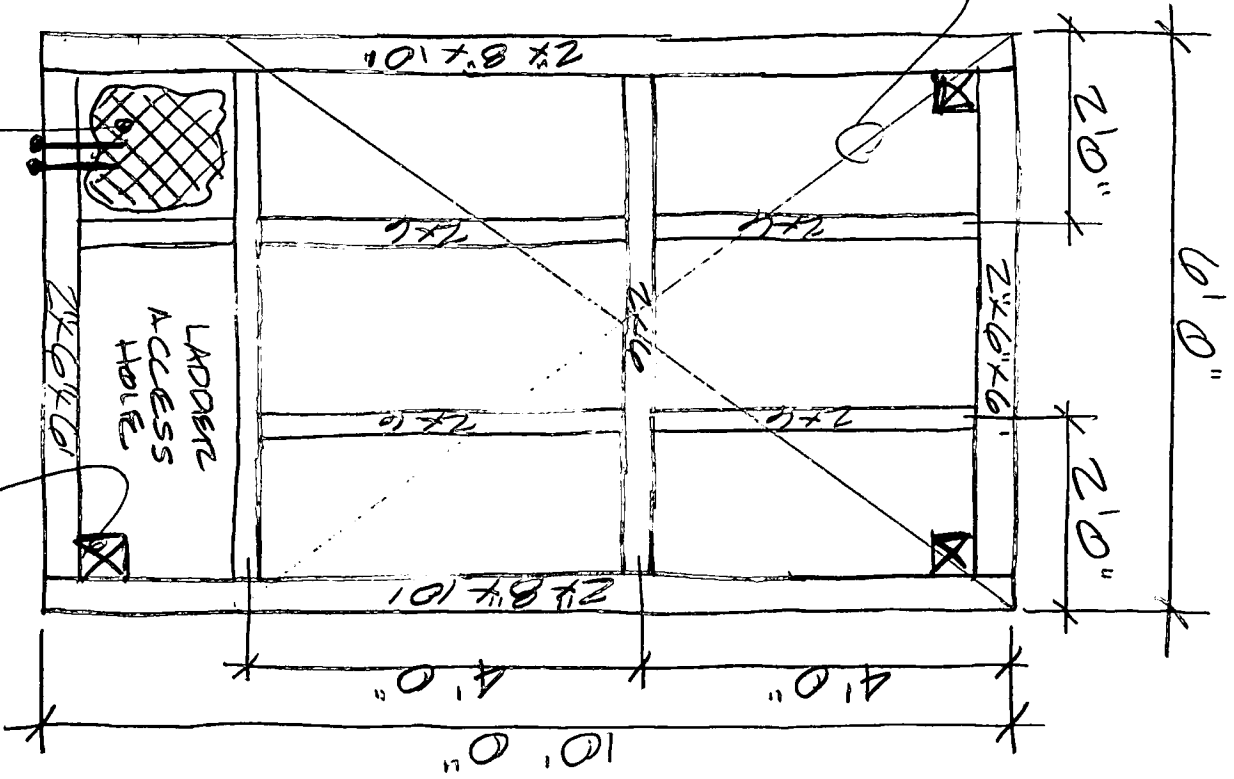
HOLLY
RESIDENCE

REARHOUSE /
MULTIUSE STRUTS

2/16/95

2/3

PLAN VIEW



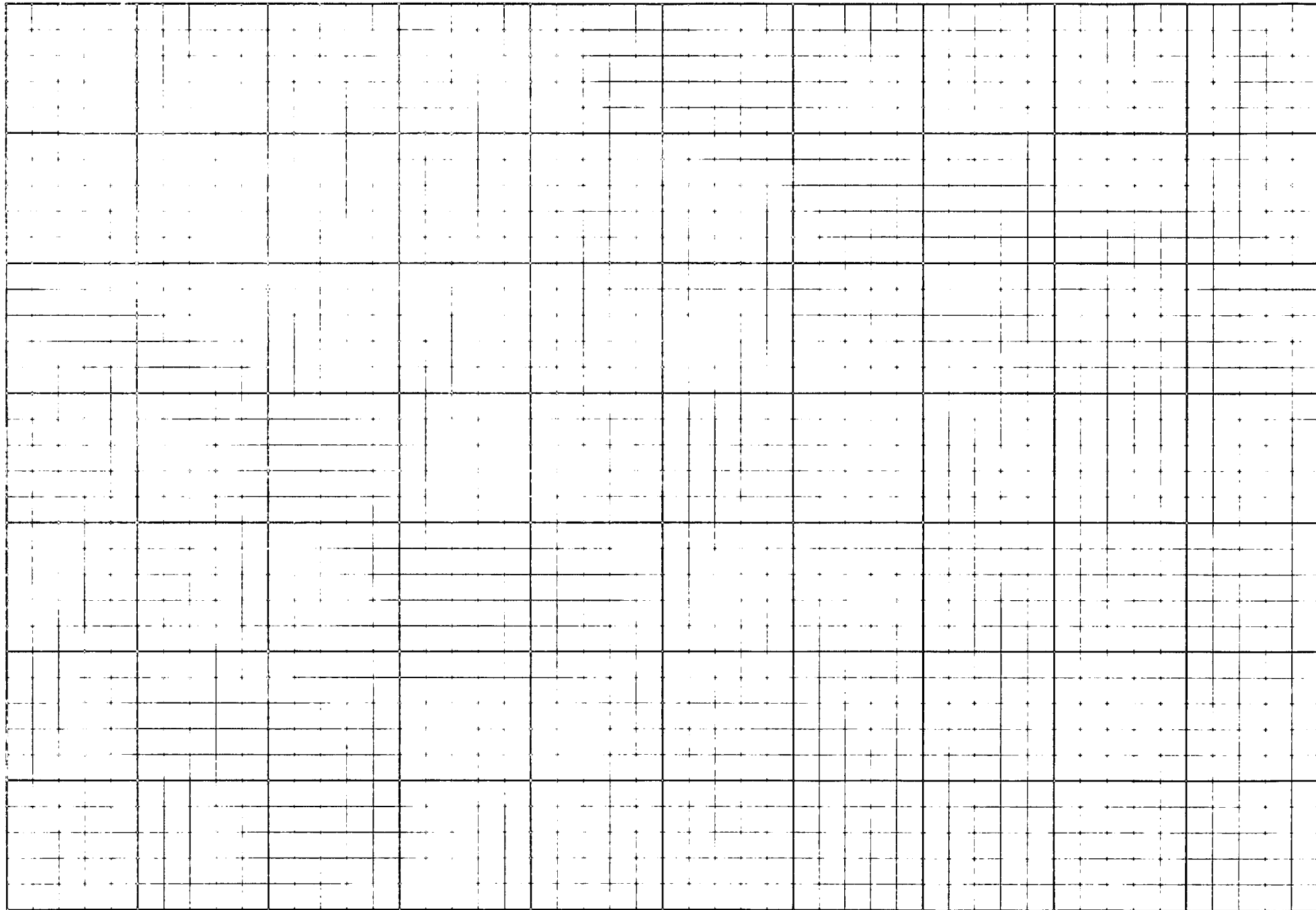
THIS AREA DECKED WITH 1/2" CDX PLYWOOD
 ALL JOINTS REINFORCED WITH W/ JOIST HANGERS OR COLLIER BRACKETS.

NOTE:

EXISTING TAMPONED TREE CORNER TRAP SUPPORT.

DOUBLE 5/8" x 8" LAG SCREWS

TYPICAL 4x4x8" POST SUPPORT



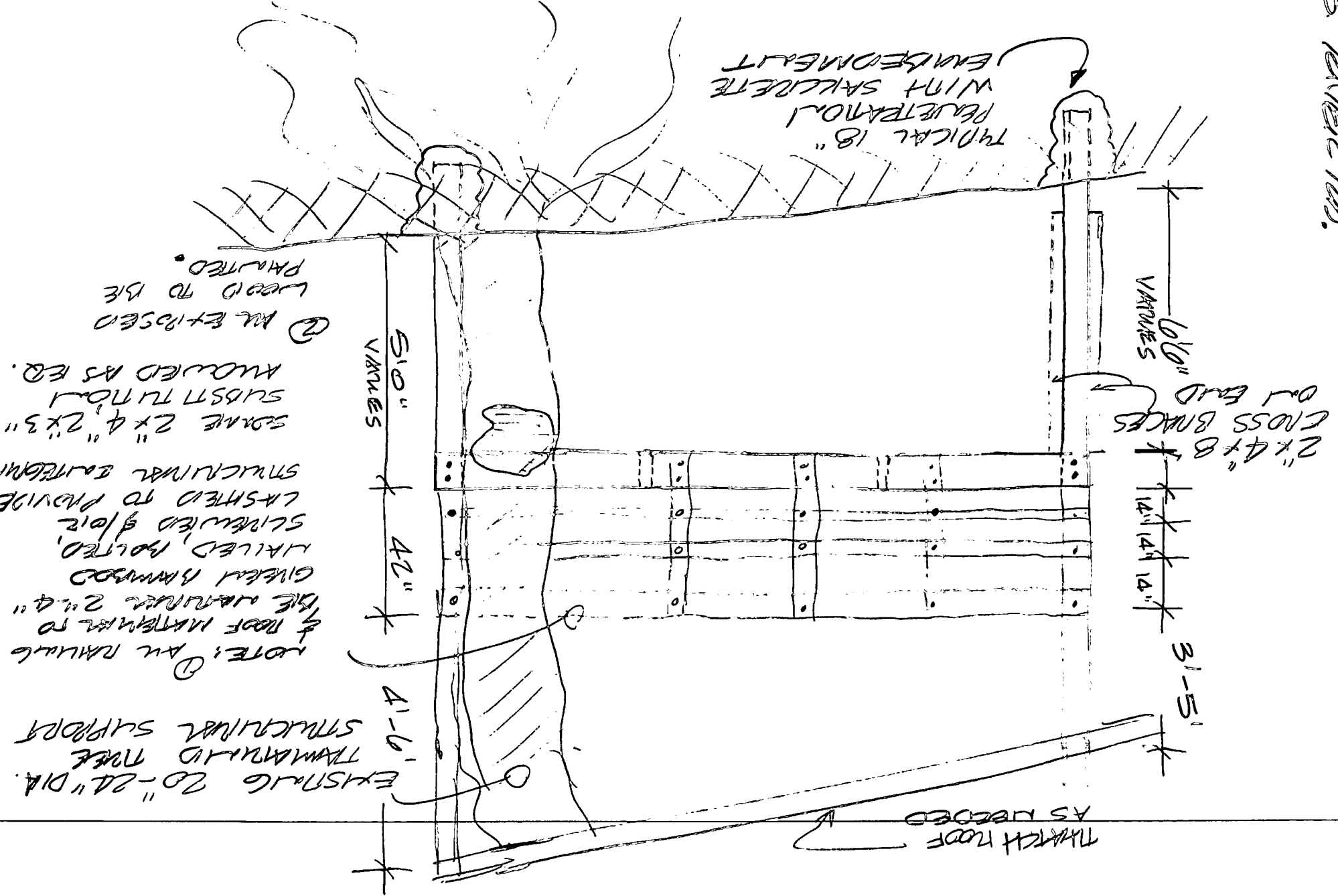
HOLLY
 RESIDENCE
 41 S RIVER RD.

TREHOUSE 1
 MULT USE STUD.

2/16/95

3/3

SECTION



② ALL EXPOSED
 LEAD TO BE
 PAINTED.
 SOME 2x4, 2x3"
 SUBST TUNOL
 ALLOWED AS EQ.
 STRUCTURAL JOINTS
 FASTENED TO PROVIDE
 SCHEDULED SLOPE
 WELDED BOLTED
 GREAT BRASS
 1/2\"/>

NOTE: ① ALL RAFTERS
 & ROOF MATERIAL TO
 BE MARKED 2x4"
 GREAT BRASS
 WELDED BOLTED
 SCHEDULED SLOPE
 FASTENED TO PROVIDE
 STRUCTURAL JOINTS

EXISTING 20-24\"/>

THICK ROOF
 AS NEEDED

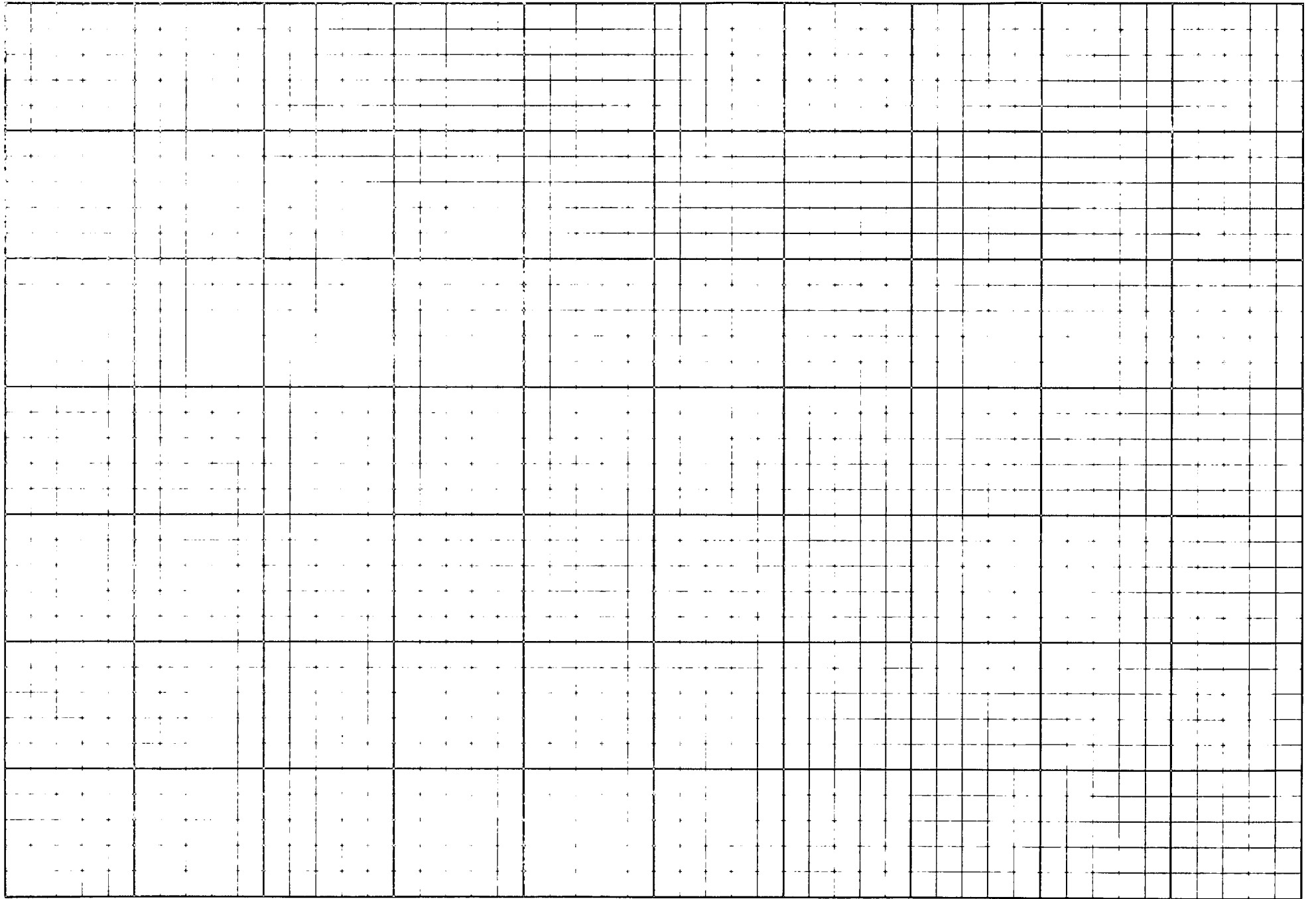
5'0\"/>

10'0\"/>

2x4+B
 CROSS BRACES
 OR END

14\"/>

3'-5"



7427

REROOF

MASTER PERMIT NO. _____

TOWN OF SEWALL'S POINT

Date 3/28/05

BUILDING PERMIT NO. 7427

Building to be erected for Holly

Type of Permit REROOF

Applied for by DENNIS CONSTR. (Contractor)

Building Fee _____

Subdivision PALMETTO PARCEL 24 Block _____

Radon Fee _____

Address 41 S. RIVER RD

Impact Fee _____

Type of structure SFL

A/C Fee _____

Parcel Control Number:

Plumbing Fee _____

01384101000000240000

Roofing Fee 120.00

Amount Paid 120.00 Check # 1236 Cash _____ Other Fees (_____) 1

Total Construction Cost \$ 22,440.

TOTAL Fees 120.00

Signed Nickie Galante
Applicant

Signed Gene Simmons
Town Building Official

PERMIT

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

INSPECTIONS

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

MAR 28 2005

BY:

Town of Sewall's Point
BUILDING PERMIT APPLICATION

Permit Number: _____

Date: March 14, 2005

OWNER/TITLEHOLDER NAME: ERIC HOLLY

Phone (Day) 215-2990 (Fax) _____

Job Site Address: 41 So RIVER RD.

City: STUART State: FL Zip: 34996

Legal Desc. Property (Subd/Lot/Block) LOT 3

Parcel Number: 01-38-41-010-000-00240-0

Owner Address (if different): _____

City: STUART State: FL Zip: 34996

Description of Work To Be Done: RE-ROOF

WILL OWNER BE THE CONTRACTOR?:

YES

NO

COST AND VALUES:

Estimated Cost of Construction or Improvements: \$22,440
(Notice of Commencement needed over \$2500)

Estimated Fair Market Value prior to improvement: \$ _____

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

Method of Determining Fair Market Value: _____

(If no, fill out the Contractor & Subcontractor sections below)
(If yes, Owner Builder Affidavit must accompany application)

CONTRACTOR/Company: DENNIS CONSTRUCTION

Phone: 772-692-4400 Fax: 692-4401

Street: 755 N. Federal Hwy

City: STUART State: FL Zip: 34994

State Registration Number: _____ State Certification Number: CB033125 Martin County License Number: _____

SUBCONTRACTOR INFORMATION:

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

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

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

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

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

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

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

OWNER OR AGENT SIGNATURE (required): [Signature]

State of Florida, County of: Martin

This the 23rd day of March, 2005

by ERIC HOLLY who is personally known to me or produced as identification.

NOTARY PUBLIC-STATE OF FLORIDA
Notary Public Victoria L. Galentine
My Commission Expires: Victoria L. Galentine Commission # DD399634
Seal Expires: FEB. 24, 2009

CONTRACTOR SIGNATURE (required): [Signature]

On State of Florida, County of: Charlotte

This the 14 day of March, 2005

by Ed Dennis who is personally known to me or produced as identification.

TYLER J. EZZI
Commission # 00000000
Expires: 3/18/2008
Bonds: English
Florida Notary Assn., Inc.
Seal

CERTIFICATE OF INSURANCE		ISSUE DATE 3/25/05
PRODUCER INSURANCE DEPOT OF CHARLOTTE 2395 TAMIAMI TRAIL, UNIT 4 PORT CHARLOTTE, FL 33952		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND, OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.
INSURED EDWARD DENNIS DBA DENNIS CONSTRUCTION INC. 208 YORKSHIRE ST PT CHARLOTTE, FL 33954		
COMPANIES AFFORDING COVERAGE		
COMPANY LETTER	A	AMERICAN SOUTHERN
COMPANY LETTER	B	
COMPANY LETTER	C	
COMPANY LETTER	D	
COMPANY LETTER	E	


COVERAGES

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.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE	POLICY EXPIRATION DATE	LIMITS	
A	GENERAL LIABILITY	GLA 73471	3/6/05	3/6/06	GENERAL AGGREGATE	300,000
					PRODUCTS COM/OP AGG.	300,000
					PERSONAL & ADV. INJURY	300,000
					EACH OCCURRENCE	100,000
					FIRE DAMAGE (Any one fire)	
					MED. EXPENSE (Any one person)	
	AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT	
					BODILY INJURY (Per Person)	
					PROPERTY DAMAGE	
	EXCESS LIABILITY				EACH OCCURRENCE	
					AGGREGATE	
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				STATUTORY LIMITS	
					EACH ACCIDENT	
					USAGE POLICY LIMIT	
					DISEASE EACH EMPLOYEE	

DESCRIPTION OF OPERATIONS / VEHICLES / SPECIALTY ITEMS

ALL FLORIDA OPERATIONS

CERTIFICATE HOLDER	
TOWN OF SEWALL'S POINT 1 S. SEWALL'S POINT RD STUART, FL 34996	Should any of the above described policies be cancelled before the expiration date, the company shall endeavor to mail 30 days written notice to the certificate holder named to this left, but failure to mail such notice shall impose no obligation or liability of any kind upon the company, its agents, or representatives. AUTHORIZED REPRESENTATIVE 

03-04-2005



TOM GALLAGHER
CHIEF FINANCIAL OFFICER

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

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

CONSTRUCTION INDUSTRY EXEMPTION

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

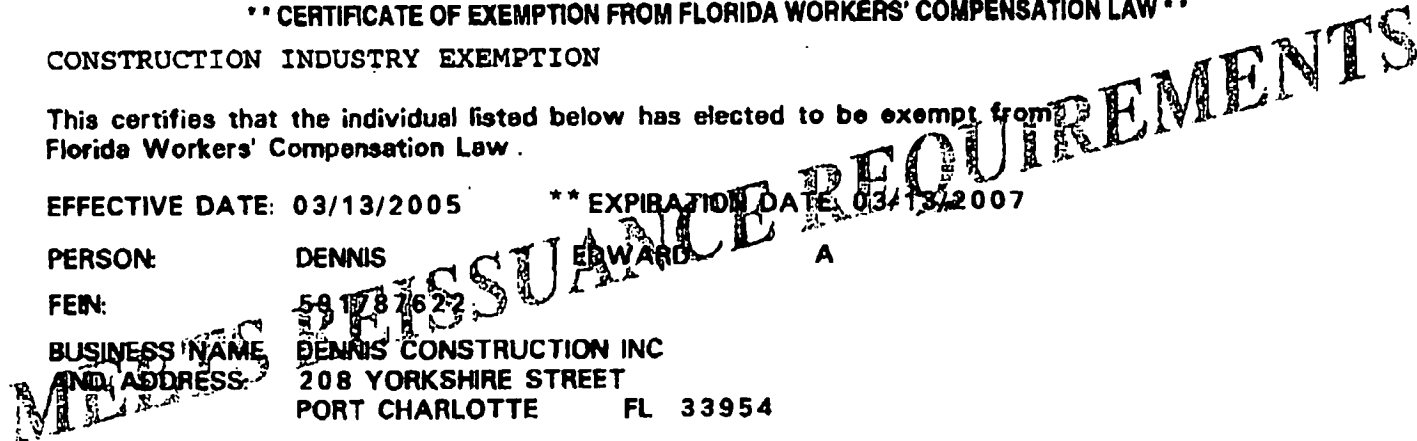
EFFECTIVE DATE: 03/13/2005 ** EXPIRATION DATE: 03/13/2007

PERSON: DENNIS EDWARD A

FEIN: 591787622

BUSINESS NAME AND ADDRESS: DENNIS CONSTRUCTION INC
208 YORKSHIRE STREET
PORT CHARLOTTE FL 33954

SCOPE OF BUSINESS OR TRADE: 1- CERTIFIED BUILDING CONTRACTOR



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

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

QUESTIONS? (850) 413-1609

PLEASE CUT OUT THE CARD BELOW AND RETAIN FOR FUTURE REFERENCE

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

CONSTRUCTION INDUSTRY
CERTIFICATE OF EXEMPTION FROM FLORIDA
WORKERS' COMPENSATION LAW

EFFECTIVE: 03/13/2005

** EXPIRATION DATE: 03/13/2007

PERSON: DENNIS EDWARD

FEIN: 591787622

BUSINESS NAME AND ADDRESS: DENNIS CONSTRUCTION INC
208 YORKSHIRE STREET
PORT CHARLOTTE FL 33954

SCOPE OF BUSINESS OR TRADE:
1- CERTIFIED BUILDING CONTRACTOR



F
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IMPORTANT

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

QUESTIONS? (850) 413-1609

CUT HERE

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

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



STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

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

(850) 487-1395

**DENNIS, EDWARD A
DENNIS CONSTRUCTION
208 YORKSHIRE ST
PT CHARLOTTE FL 33954**

DETACH HERE

CA 1509885

STATE OF FLORIDA

**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD**

SEQ# L04072800701

DATE	BATCH NUMBER	LICENSE NBR
07/28/2004	040092429	CBC033125

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

**DENNIS, EDWARD A
DENNIS CONSTRUCTION
208 YORKSHIRE ST
PT CHARLOTTE FL 33954**

TRR RNRW

DTANE CARR

OWNER NAME: DENNIS, EDWARD A
COMPANY: DENNIS CONSTRUCTION
ADDRESS: 208 YORKSHIRE ST
PT CHARLOTTE, FL 33954-3026
TELEPHONE: 941-625-6092

LICENSE #: CBC033125
TYPE: CBC
STATUS: ACTIVE
EXPIRATION DATE: 30-AUG-06
INS EXP DATE: 06-MAR-06
WORKCOMP EXP DATE: 01-JAN-06

OWNER NAME: DENNIS, EDWARD A
COMPANY: DENNIS CONSTRUCTION
ADDRESS: 208 YORKSHIRE ST
PORT CHARLOTTE, FL 33954
TELEPHONE: 772-692-4400

LICENSE #: CBC033125
TYPE: CBC
STATUS: REDTAG
EXPIRATION DATE: 31-AUG-06
INS EXP DATE: 06-MAR-05
WORKCOMP EXP DATE: 13-MAR-05



BUILDING CODE COMPLIANCE OFFICE (BCCO)
 PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

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

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by the BCCO and accepted by the Building Code and Product Review Committee to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

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

This product is approved as described herein, and has been designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County or Florida Building Code.

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

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

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

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

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

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



FILE COPY
TOWN OF SEWALL'S POINT
 THESE PLANS HAVE BEEN
 REVIEWED FOR CODE COMPLIANCE
 DATE: 3/24/05

BUILDING OFFICIAL
 Gene Simmons

NOA No.: 01-1226.04
 Expiration Date: 07/12/06
 Approval Date: 02/14/02
 Page 1 of 3

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub Category: Shingles
Materials: Laminate

1. SCOPE

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

2. PRODUCT DESCRIPTION

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
EIK Prestique 25, Prestique 30, Elk Raised Profile, or Prestique	13 1/4" x 38 3/4"	PA 110	A heavy weight laminated asphalt shingle with a propriatery profile.

3. LIMITATIONS

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

4. INSTALLATION

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

5. LABELING

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

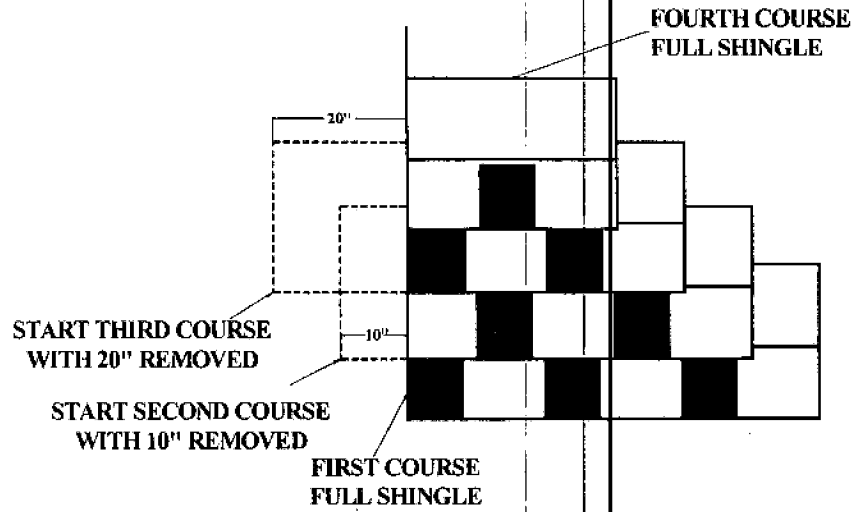
6. BUILDING PERMIT REQUIREMENTS

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



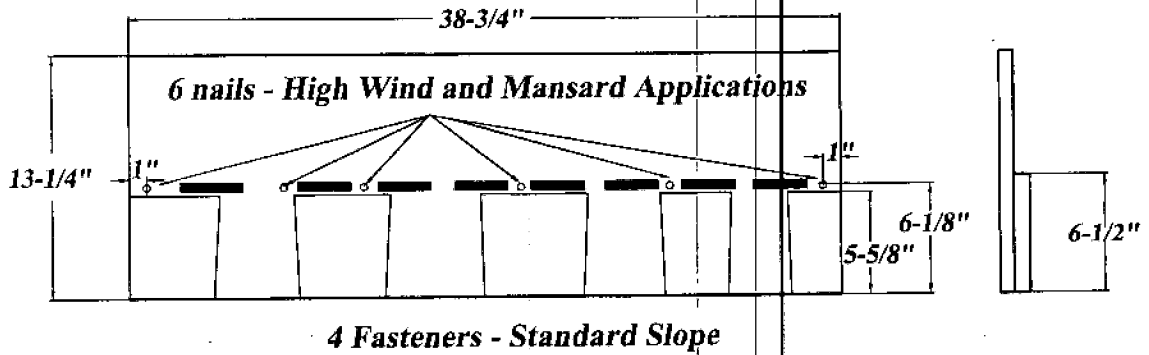
NOA No.: 01-1226.04
Expiration Date: 07/12/06
Approval Date: 02/14/02
Page 2 of 3

DETAIL A



DETAIL B

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



END OF THIS ACCEPTANCE



NOA No.: 01-1226.04
Expiration Date: 07/12/06
Approval Date: 02/14/02
Page 3 of 3

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

EVIDENCE SUBMITTED

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

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

D.MATERIAL CERTIFICATIONS: NONE

E.STATEMENTS: NONE

F. OTHER

1. Association member <enter name of association and its approval document number>
Notice of Acceptance number 00-0720.03

NOTICE OF COMMENCEMENT FORM

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.

Tax Parcel ID Number 013841 0100000002400000

1. Description of property: (legal description of the property and street address or 911 address)

41 South River Rd
Palmetto Park lot 24

01-3841-010-000-00240-0

2. General description of improvement: re-roof

3. Owner Name & Address Eric Holly 41 S. River Rd Stuart, FL 34996

Interest in Property Owner

4. Name & Address of Fee Simple Owner (if other than owner):

5. Contractor Name Dennis Construction

Phone Number 772-692-4400

Address 755 N. Redwood Way Stuart, FL 34994

6. Surety Holders Name THIS IS TO CERTIFY THAT THE

Address FOREGOING PAGES IS A TRUE AND CORRECT COPY OF THE ORIGINAL

Amount of Bond MARSHA EWING, CLERK

7. Lender Name BY: [Signature] D.C.

Address DATE: 3/24/05

Phone Number

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:

Name _____ Phone Number _____

Address _____

9. In addition to himself/herself the owner designates _____ of _____

to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee _____

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

[Signature]
Signature of Owner

14 Sworn to (or affirmed) and subscribed before day of March 2005



Charlana Tyrrell NOTARY STAMP/SEAL

Commission #DD296699

Expires: Mar 04, 2008

Bonded Thru

Atlantic Bonding Co., Inc.

[Signature]

INSTR # 1824791 DR BK 01995 PG 0087 RECD 03/24/2005 10:11:46 AM
MARSHA EWING MARTIN COUNTY DEPUTY CLERK L Wood



7427

TOWN OF SEWALL'S POINT

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

CORRECTION NOTICE

ADDRESS: 41 S RIVER

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

DRY IN

NEED PRODUCT APPROVAL
FOR REPLACED SKYLIGHTS

NAIL DRIP EDGE @ 4" O.C.

DRY IN LAPS (HEAD) NAILED
@ 4" O.C.

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

DATE: 4/20

INSPECTOR

DO NOT REMOVE THIS TAG

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri 4/20, 20015 Page 3 of

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7419	PATTERSON	FINAL ROOF	PASS	CLOSE
18	109 N. SEWALL ST			INSPECTOR:
	STEIN & Co.			
7357	CLONTOS	FINAL ^{POOL} SPACED	PASS	
5	83 S. SEWALL ST	RELOCATE POOL EQUIP	PASS	INSPECTOR:
	O/B	WILL RESCHEDULE		
7485	ENGLE	DRY-IN	---	RESCHEDULE FOR
2	14 PALM ROAD			4/22 FRI. INSPECTOR:
	PHOENIX COMETA			
TRICE	ALLMAN	TREE	PASS	
3	106 S. RIVER RD			INSPECTOR:
7477	HOLLY	DRY-IN	FAIL	
12	41 S. RIVER RD			INSPECTOR:
	DEBORAH DENNIS			
7489	HARRIGAN	FINAL SCENGL	WILL RESCHEDULE	
13	2 PALMETTO			INSPECTOR:
	ADAM PIZGULO	(LATE PLEASE)		
TRICE	MCKINNEY	TREE	PASS	
9	24 SUMMER ST			INSPECTOR:

OTHER: _____

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri 4/27, 2005 Page 2 of

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7318	HOLWENBECK	FENCE FINAL	PASS	CLOSE
1	10 MIDDLE RD O/B			INSPECTOR:
7469	NORGREN	POOL STEEL DRAIN	FAIL	
4	5 KINGSTON CT OLYMPIC POOLS			INSPECTOR:
6812	MADER	SCAB		
2	106 ABBIE COURT <small>FLORIDA ELEGANT</small> DUREUCKER HOMES	V & ELEC.	PASS	INSPECTOR:
7485	ENGLE	FINAL ROOF		
5	14 PALM ROAD PHOENIX COMETA	DRY-IN	PASS	INSPECTOR:
7427	HOLLY	DRY-IN	PASS	
8	41 S. RIVER RD DENNIS CONST.			INSPECTOR:
				INSPECTOR:
				INSPECTOR:

OTHER: _____

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri MAY 13, 2005 Page 1 of

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
6999	ZIGLER	FENCE REPAIR FINAL	PASS	CLOSE
14	17 EMARITA WAY O/B			INSPECTOR:
7449	FERRARO	ROOF FRAMING	PASS	
5	4 KINGSTON COURT GULICK + McCALLEN			INSPECTOR:
727	HOLY	FINAL ROOF	PASS	CLOSE
12	41 S. RIVER RD DENNIS CONST.			INSPECTOR:
7500	TRUITT	FINAL ROOF	---	WILL RESCHEDULE
13	39 S. RIVER RD ANCHOR ROOFING			INSPECTOR:
7188	SZYMANSKI	FINAL DOCK REPAIR	PASS	CLOSE
15	118 N. SEWALL'S PT O/B (BUE WATER)			INSPECTOR:
TREE	BAYTREE ISL. LLC	TREE	PASS	
4	146 S. SEWALL'S PT			INSPECTOR:
7189	PALTER	FENCE FINAL	PASS	CLOSE
8	91 S. RIVER RD STUART FENCE			INSPECTOR:
OTHER: _____				

7896

DRYWALL

MASTER PERMIT NO. _____

TOWN OF SEWALL'S POINT

Date 11/21/05

BUILDING PERMIT NO. 7896

Building to be erected for HOLLY

Type of Permit MINOR INTERIOR REPAIRS, DRYWALL, INSULATION

Applied for by PHOENIX COMETA GROUP (Contractor)

Building Fee _____

Subdivision PALMETTO PK Lot 3 Block _____

Radon Fee _____

Address 41 S. RIVER ROAD

Impact Fee _____

Type of structure SFR

A/C Fee _____
Electrical Fee NIC HURRICANE DAMAGE

Parcel Control Number:
138410100000024000000

Plumbing Fee _____

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

Roofing Fee _____

Total Construction Cost \$ 27,320.00

TOTAL Fees _____

Signed [Signature]
Applicant

Signed [Signature]
Town Building Official

PERMIT

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

INSPECTIONS

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

RECEIVED
10/29/05

Hurricane

Town of Sewall's Point
BUILDING PERMIT APPLICATION

Date: 10/29/05 Permit Number: _____

OWNER/TITLEHOLDER NAME: ERIC HOLLY Phone (Day) _____ (Fax) _____

Job Site Address: 41 South River Road City: Stuart State: FL Zip: 34996

Legal Desc. Property (Subd/Lot/Block) UNincluded Lot 3 Parcel Number: 01-38-41-010-000-00240-0

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

Description of Work To Be Done: Drywall, Insulation and paint

WILL OWNER BE THE CONTRACTOR?:

YES NO

COST AND VALUES:

Estimated Cost of Construction or Improvements: \$ 27320.⁰⁰
(Notice of Commencement needed over \$2500)

Estimated Fair Market Value prior to improvement: \$ _____

(If no, fill out the Contractor & Subcontractor sections below)
(If yes, Owner Builder Affidavit must accompany application)

Is improvement cost 50% or more of Fair Market Value? YES NO
Method of Determining Fair Market Value: _____

CONTRACTOR/Company: The Phoenix Cometa Group Inc Phone: 772-223-1331 Fax: 772-223-2750

Street: 3159 SE Lionel Terrace City: Stuart State: FL Zip: 34997

State Registration Number: CGC1505569 State Certification Number: _____ Martin County License Number: 9875

SUBCONTRACTOR INFORMATION:

Electrical: _____ State: _____ License Number: _____
Mechanical: N/A State: _____ License Number: _____
Plumbing: _____ State: _____ License Number: _____
Roofing: _____ State: _____ License Number: _____

ARCHITECT _____ Lic.#: _____ Phone Number: _____
Street: N/A City: _____ State: _____ Zip: _____

ENGINEER _____ Lic.# _____ Phone Number: _____
Street: N/A City: _____ State: _____ Zip: _____

AREA SQUARE FOOTAGE - SEWER - ELECTRIC Living: 1400 Garage: _____ Covered Patios: _____ Screened Porch: _____
Carport: _____ Total Under Roof _____ Wood Deck: _____ Accessory Building: _____

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

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

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

OWNER OR AGENT SIGNATURE (required) _____

State of Florida, County of: _____
This the 19th day of October, 2005
by ERIC HOLLY who is personally
known to me or produced _____
as identification. Victoria L. Galentine

My Commission Expires: 2/24/09
Notary Public Victoria L. Galentine
Commission # DD399634
Expires: FEB. 24, 2009

~~CONTRACTOR SIGNATURE (required)~~ _____

On State of Florida, County of: Martin
This the 20th day of October, 2005
by KURT L HAIR who is personally
known to me or produced _____
as identification. _____

My Commission Expires: 2/24/09
Notary Public Victoria L. Galentine
Commission # DD399634
Expires: FEB. 24, 2009
Bonded by Star Atlantic Bonding Co., Inc.

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

PRODUCER (305)822-7800 FAX
 Collinsworth, Alter, Fowler, Dowling & French
 P. O. Box 9315
 Miami Lakes, FL 33014-9315

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

INSURED The Phoenix Cometa Group Inc
 1551 SE Niemeyer Circle
 Port St. Lucie, FL 34952

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Scottsdale Insurance Company	
INSURER B: Commerce and Industry Ins Co	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

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

INSR ADD'L LTR INSR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY	CLS0975376	03/11/2005	03/11/2006	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000
	<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				MED EXP (Any one person) \$ 1,000
	GEN'L AGGREGATE LIMIT APPLIES PER:				PERSONAL & ADV INJURY \$ 1,000,000
	<input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC				GENERAL AGGREGATE \$ 2,000,000
	AUTOMOBILE LIABILITY				PRODUCTS - COMP/OP AGG \$ 2,000,000
	<input type="checkbox"/> ANY AUTO				COMBINED SINGLE LIMIT (Ea accident) \$
	<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per person) \$
	<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per accident) \$
	<input type="checkbox"/> HIRED AUTOS				PROPERTY DAMAGE (Per accident) \$
	<input type="checkbox"/> NON-OWNED AUTOS				
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT \$
	<input type="checkbox"/> ANY AUTO				OTHER THAN EA ACC \$
					AUTO ONLY: AGG \$
	EXCESS/UMBRELLA LIABILITY				EACH OCCURRENCE \$
	<input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE				AGGREGATE \$
					\$
	DEDUCTIBLE				\$
	RETENTION \$				\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	WC6642367	01/20/2005	01/20/2006	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?				E.L. EACH ACCIDENT \$ 100,000
	If yes, describe under SPECIAL PROVISIONS below				E.L. DISEASE - EA EMPLOYEE \$ 100,000
	OTHER				E.L. DISEASE - POLICY LIMIT \$ 500,000

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

CERTIFICATE HOLDER

Town of Sewalls 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, THE ISSUING INSURER WILL ENDEAVOR TO MAIL **30** DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
 Lee Fowler/AU *[Signature]*

TO BE COMPLETED WHEN CONSTRUCTION VALUE EXCEEDS \$2500.00

PERMIT # _____

TAX FOLIO # 01-33-41-010-000-00340-0

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):

41 S. River RD

GENERAL DESCRIPTION OF IMPROVEMENT: Drywall, Insulation, Paint - Hurricane Damage

OWNER: ERIC HOLLY

ADDRESS: 41 S. River Road, Stuart, FL 34996

PHONE #: _____

FAX #: _____

CONTRACTOR: The Phoenix Cometa Group INC

ADDRESS: 3159 SELIGER Terrace, Stuart, FL 34997

PHONE #: 772-223-1331

FAX #: 772-223-2750

SURETY COMPANY (IF ANY) _____

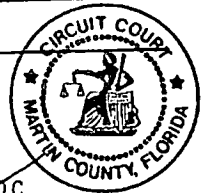
STATE OF FLORIDA
MARTIN COUNTY

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

MARSHA EWING, CLERK

BY: T. COPUS D.C.

DATE: 11/16/05



ADDRESS: _____

PHONE #: _____

BOND AMOUNT: _____

LENDER: _____

ADDRESS: _____

PHONE #: _____

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

NAME: _____

ADDRESS: _____

PHONE #: _____

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

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

[Signature]
SIGNATURE OF OWNER

SWORN TO AND SUBSCRIBED BEFORE ME THIS 19th DAY OF October 2005 BY ERIC HOLLY

[Signature]
NOTARY SIGNATURE

NOTARY PUBLIC-STATE OF FLORIDA
Victoria L. Galentine
Commission # DD399634
Expires: FEB. 24, 2009
Bonded Thru Atlantic Bonding Co., Inc.

PERSONALLY KNOWN
OR
PRODUCED ID _____
TYPE OF ID _____

INST. # 189134
OR BK # 02082 PG 268
RECORDED 11/16/2005 03:07:03 PM
RECORDED BY T. COPUS (asst. mgr.)
MARSHA EWING
CLERK OF COURT
MARTIN COUNTY FLORIDA

AC#1567008

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ#L04082603470

DATE	BATCH NUMBER	LICENSE NBR
08/26/2004	040189299	CCC1325757

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

HAIR, KURT LEMUEL
THE PHOENIX COMETA GROUP INC
1418 GARFIELD STREET
HOLLYWOOD FL 33020

JEB BUSH
GOVERNOR

DIANE CARR
SECRETARY

DISPLAY AS REQUIRED BY LAW

AC#1562288

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ#L04082402070

DATE	BATCH NUMBER	LICENSE NBR
08/24/2004	040179073	CGC1505569

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

HAIR, KURT LEMUEL
THE PHOENIX COMETA GROUP INC
1418 GARFIELD STREET
HOLLYWOOD FL 33020

JEB BUSH
GOVERNOR

DIANE CARR
SECRETARY

DISPLAY AS REQUIRED BY LAW

OCCUPATIONAL TAX RECEIPT

CITY OF PORT ST. LUCIE

121 SW PORT ST. LUCIE BOULEVARD
PORT ST. LUCIE, FLORIDA 34954-5099

THIS LICENSE VALID WHEN ALL STATE AND LOCAL
REGULATED TRADE LICENSES / COMPENTENCY
CARDS ARE VALID FOR THE CURRENT FISCAL YEAR.

TERM: October 1, 2004 to September 30, 2005

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

This license does not warrant or hold that the licensee is competent to perform in the business(es) as licensed, but that the licensee has paid the required fee(s) and provided the necessary documentation (if required) to be licensed in this business.

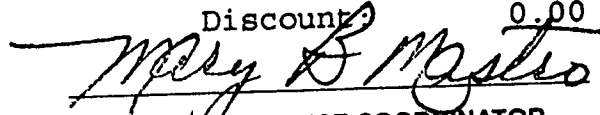
LICENSE MUST BE EXHIBITED CONSPICUOUSLY AT YOUR PLACE OF BUSINESS.

VALID AT THIS BUSINESS ADDRESS ONLY.

Business/Lic. 119443/05-1023351

Business Address: 1551 SE NIEMEYER CIR
Classification: CONT CONTRACTOR
Issued to: PHOENIX COMETA GROUP INC
1551 SE NIEMEYER CIR

Fee: 115.77
Discount: 0.00



BUSINESS LICENSE COORDINATOR
190/051 YB BUSINESS COPY

PORT ST LUCIE FL 34952

Fees: 115.77 Late Fees: 0.00 Total this payment : 115.77

12-12-06 -
-561-544-6830

Spoke w/ Sarah from

Physical Center & she

said customer told them

they didn't want the work

done - she will double-

check with ~~Contractor~~ &

if so will send me a letter

to cancel the permit.

PHOENIX COMETA GROUP, INC.

2263 NW BOCA RATON BLVD, SUITE 201, BOCA RATON, FL 33431
Office: 561-544-6830 Fax 561-544-6831

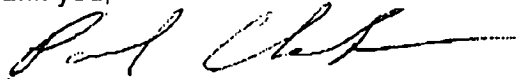
December 12, 2006

Regarding Permit # 7896 @ 41 S. River Rd, Sewall's Point.

I am requesting that you cancel the above permit number. The work done on the property was just minor drywall patching and there was no permit needed for that. The intent at the time of issuance of permit was to remove and replace full sheets of drywall, but the homeowner changed their mind and only asked us to patch the drywall damaged by the roof leaks.

Please cancel the permit as we did not do all work intended. If you have any questions, please feel free to contact us at the above office number.

Thank you,



Paul Clark
Manager
The Phoenix Cometa Group, Inc.

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed Fri 1/6, 2006 Page 1 of

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
7962	HALGAS	FINAL DOCK	PASS	CLOSE
9	11 RIVER CREST CT			INSPECTOR: <i>OW</i>
	DELLA-PIETRA			
7985	TRUITT	FINAL ROOF	FAIL	
2	39 S. RIVER			INSPECTOR: <i>OW</i>
	JA TAYLOR ROOFING			
7919	FERRARO	FINAL FENCE	PASS	CLOSE
1	4 KINGSTON COURT			INSPECTOR: <i>OW</i>
	STUART FENCE			
7858	DIMITRIOU	FINAL MINOR ROOF REPAIR	PASS	CLOSE
7	6 BANYAN ROAD			INSPECTOR: <i>OW</i>
	OIB			
7896	HOLLY	PRE-DRYWALL	PASS	
3	41 S. RIVER RD			INSPECTOR: <i>OW</i>
	PHOENIX COMETA			
7938	BONIFACE	FOUNTAIN PLUMBING	PASS	
4	63 S RIVER ROAD			INSPECTOR: <i>OW</i>
	ADVANTAGE POOLS			
7727	SLATER	ELEC	FAIL	
8	4 LAGOON ISLAND	PLUMBING	PASS	INSPECTOR: <i>OW</i>
	CONWAY	A/C	FAIL	
OTHER:		FRAMING	FAIL	

8601

IRRIGATION

MASTER PERMIT NO. _____

TOWN OF SEWALL'S POINT

Date 5-10-07

BUILDING PERMIT NO. 8601

Building to be erected for Holly

Type of Permit Sprinklers

Applied for by Dennie H New Const (Contractor)

Building Fee 35

Subdivision Palmetto Park Lot 3 Block _____

Radon Fee _____

Address 415 River Rd

Impact Fee _____

Type of structure SFR

A/C Fee _____

Parcel Control Number:

13841-010-000-0024-0

Electrical Fee _____

Plumbing Fee _____

Amount Paid \$35 Check # _____ Cash Other Fees (_____)

Roofing Fee _____

Total Construction Cost \$ 2000

TOTAL Fees 35

Signed [Signature]
Applicant

Signed [Signature]
Town Building Official

PERMIT

- BUILDING
- PLUMBING
- DOCK/BOAT LIFT
- SCREEN ENCLOSURE
- FILL
- TREE REMOVAL

- ELECTRICAL
- ROOFING
- DEMOLITION
- TEMPORARY STRUCTURE
- HURRICANE SHUTTERS
- STEMWALL

- MECHANICAL
- POOL/SPA/DECK
- FENCE
- GAS
- RENOVATION
- ADDITION

IRRIGATION

INSPECTIONS

- UNDERGROUND PLUMBING _____
- UNDERGROUND MECHANICAL _____
- STEMWALL FOOTING _____
- SLAB _____
- ROOF SHEATHING _____
- TRUSS ENG/WINDOW/DOOR BUCKS _____
- ROOF TIN TAG/METAL _____
- PLUMBING ROUGH-IN _____
- MECHANICAL ROUGH-IN _____
- FRAMING _____
- FINAL PLUMBING _____
- FINAL MECHANICAL _____
- FINAL ROOF _____

- UNDERGROUND GAS _____
- UNDERGROUND ELECTRICAL _____
- FOOTING _____
- TIE BEAM/COLUMNS _____
- WALL SHEATHING _____
- LATH _____
- ROOF-IN-PROGRESS _____
- ELECTRICAL ROUGH-IN _____
- GAS ROUGH-IN _____
- EARLY POWER RELEASE _____
- FINAL ELECTRICAL _____
- FINAL GAS _____
- BUILDING FINAL _____

RECEIVED

Town of Sewall's Point

Date: 5.9.07 BUILDING PERMIT APPLICATION Permit Number: _____

OWNER/TITLEHOLDER NAME: Sharon K. Holly Phone (Day) 285-4888 (Fax) _____

Job Site Address: 41 South River Rd City: Sewall's Pt State: FL Zip: 34996

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

Owner Address (if different): Same as above City: _____ State: _____ Zip: _____

Scope of work: repair existing sprinkler systems

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

COST AND VALUES: Estimated Value of Construction or Improvements: \$ 2,000.00 (Notice of Commencement required over \$2500) Estimated Fair Market Value prior to Improvement: \$ _____ Method of Determining Fair Market Value: _____

CONTRACTOR/Company: Dennie H New Const Co Phone: 772-220-1855 Fax: 220-1862

Street: 7194 SW Busch St City: Palm City State: FL Zip: 34990

State Registration Number: CGC-015 State Certification Number: CGC-015735 Municipality License Number: _____

SUBCONTRACTOR INFORMATION: Other - see scope of work - All Clear Tractor Service, Inc.

Electrical: NO State: _____ License Number: _____ Mechanical: NO State: _____ License Number: _____ Plumbing: NO State: _____ License Number: _____ Roofing: NO State: _____ License Number: _____

ARCHITECT: N/A Lic.#: _____ Phone Number: _____ Street: _____ City: _____ State: _____ Zip: _____

ENGINEER: N/A Lic.#: _____ Phone Number: _____ Street: _____ City: _____ State: _____ Zip: _____

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

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

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

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

OWNER OR AUTHORIZED AGENT SIGNATURE (required) [Signature] State of Florida, County of: Martin This the 10 day of May, 2007 by M. Paul Browne who is personally known to me or produced _____ as identification

CONTRACTOR SIGNATURE (required) [Signature] On State of Florida, County of: _____ This the 10 day of May, 2007 by DENNIE H NEW who is personally known to me or produced _____ as identification

NOTARY PUBLIC-STATE OF FLORIDA Sarah Baker Notary Public My Commission Expires: SEP 18, 2010 Seal

STELLA M. HUNTER MY COMMISSION # DD 630775 Notary Public Expires: January 23, 2011 Bonded Thru Notary Public Underwriters Seal

SINGLE FAMILY PERMITS 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!

* See addendum/drawing as per John Adams On 3.9.07.



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

Site Provided by...
governmax.com T1.1

Summary

Parcel Info

Summary

- Land
- Residential
- Improvement
- Commercial
- Image
- Transfer
- Taxes →
- Assessments →
- Parcel Map →

Parcel ID	Unit Address	Serial ID	Index Order	Commercial	Residential
01384101000000210620	PALMETTO DR	17774	Parcel ID	0	1

Summary

Property Location 20 PALMETTO DR
Tax District 2200 Sewall's Point
Account # 17774
Land Use 101 0100 Single Family
Neighborhood 120200
Acres

Legal Description

Property Information
 PALMETTO PARK, ELY 170' OF
 UNINCLUDED LOT 1

Owner Information

Owner Information
 HOLLY, DOROTHY

Assessment Info

Front Ft. 0.00

Mail Information

PO BOX 1500
 STUART FL 34995

Market Land Value \$207,000

Market Impr Value \$83,540

Market Total Value \$290,540

Sale Date 7/7/1964

Book/Page 0106 0023

Search By

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

Site Functions

- Property Search**
- Feedback
- On-Line Help
- Home
- County Login

Recent Sale

Sale Amount \$0



ATTN: VALERIE

CERTIFICATE OF INSURANCE

The company indicated below certifies that the insurance afforded by the policy or policies numbered and described below is in force as of the effective date of this certificate. This Certificate of Insurance does not amend, extend, or otherwise alter the Terms and Conditions of Insurance coverage contained in any policy numbered and described below.

CERTIFICATE HOLDER:

TOWN OF SEWELLS POINT
1 SOUTH SEWELLS POINT RD
SEWELLS POINT, FL 34996

INSURED:

DENNIE H NEW
7194 SW BUSCH STREET
PALM CITY, FL 34990-5562

TYPE OF INSURANCE LIABILITY	POLICY NUMBER & ISSUING CO.	POLICY EFF. DATE	POLICY EXP. DATE	LIMITS OF LIABILITY (*LIMITS AT INCEPTION)
<input checked="" type="checkbox"/> Liability and Medical Expense	77-PR-663353-0001 NATIONWIDE MUTJAL INSURANCE CO.	06-19-06	06-19-07	Any One Occurrence..... \$ 1,000,000
<input checked="" type="checkbox"/> Personal and Advertising Injury				Any One Person/Org \$ 1,000,000
<input checked="" type="checkbox"/> Medical Expenses				ANY ONE PERSON \$ 5,000
<input checked="" type="checkbox"/> Fire Legal Liability				Any One Fire or Explosion \$ 100,000
				General Aggregate* \$ 300,000
<input type="checkbox"/> Other Liability				Prod/Comp Ops Aggregate* . \$ 1,000,000
AUTOMOBILE LIABILITY				
<input type="checkbox"/> BUSINESS AUTO				Bodily Injury (Each Person) \$
<input type="checkbox"/> Owned				(Each Accident) \$
<input type="checkbox"/> Hired				Property Damage (Each Accident) \$
<input type="checkbox"/> Non-Owned				Combined Single Limit \$
EXCESS LIABILITY				
<input type="checkbox"/> Umbrella Form				Each Occurrence \$
				Prod/Comp Ops/Disease Aggregate* \$
STATUTORY LIMITS				
<input type="checkbox"/> Workers' Compensation and Employers' Liability				BODILY INJURY/ACCIDENT ... \$
				Bodily Injury by Disease EACH EMPLOYEE \$
				Bodily Injury by Disease POLICY LIMIT \$

DESCRIPTION OF OPERATIONS/LOCATIONS
VEHICLES/RESTRICTIONS/SPECIAL ITEMS

Daniel A Woron

Effective Date of Certificate: 06-19-2006
Date Certificate Issued: 05-10-2007

Authorized Representative: DANIEL A. WORON
Countersigned at: 905 NE PRIMA VISTA BLVD.
STE. A



STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

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

(850) 487-1395

NEW, DENNIE HUGH
NEW CONSTRUCTION CO
7194 SW BUSCH ST
PALM CITY

FL 34990-5562

STATE OF FLORIDA **CA 2685078**
 DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
 CQC015735 07/28/06 067003503
 CERTIFIED GENERAL CONTRACTOR
 NEW, DENNIE HUGH
 NEW CONSTRUCTION CO

IS CERTIFIED under the provisions of Ch. 489 F.S.
 Expiration date: AUG 31, 2008 L060 2001604

2008

DETACH HERE

CA 2685078

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L06072101484

EXPIRES	IDENTIFIER	LICENSE NBR
07/28/2006	067003503	CQC015735

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

NEW, DENNIE HUGH
NEW CONSTRUCTION CO
4205 SW 72ND DR
PALM CITY

FL 34990-5310

2006-2007 MARTIN COUNTY ORIGINAL
COUNTY OCCUPATIONAL LICENSE

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

LICENSE: 1994-513-0003 CERT CGC015735

PHONE: (772) 220-1855 SIC NO 233210

LOCATION:
7194 SW BOSCH ST PC

CHARACTER COUNTS IN MARTIN COUNTY

PREV. YR \$	<u>.00</u>	LIC FEE \$	<u>25.00</u>
\$	<u>.00</u>	PENALTY \$	<u>.00</u>
\$	<u>.00</u>	COL FEE \$	<u>.00</u>
\$	<u>.00</u>	TRANSFER \$	<u>.00</u>
TOTAL			<u>.00</u>

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

AT LOCATION LISTED FOR THE PERIOD BEGINNING ON THE

NEW, DENNIE H.
NEW CONSTRUCTION COMPANY
7194 SW BOSCH STREET
DALE CITY, FL 34990

22 DAY OF SEPTEMBER 2006
AND ENDING SEPTEMBER 2007

2 2005 12501.0001 PAID

ACORD. CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/10/2007

PRODUCER
Affiliated Agency Ops
16 South River Street

Wilkes-Barre, PA 18702

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

INSURED
Employee Leasing Solutions, Inc.

1401 Manatee Ave W. Suite 600
Bradenton, FL 34205

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: EastGUARD Insurance Company	14702
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

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


INSR ADD'L LTR	INSR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
		GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR _____ GEN'L AGGREGATE LMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC				EACH OCCURRENCE	\$
						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$
						MED EXP (Any one person)	\$
						PERSONAL & ADV INJURY	\$
						GENERAL AGGREGATE	\$
						PRODUCTS - COMP/OP ACC	\$
		AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON OWNED AUTOS _____				COMBINED SINGLE LIMIT (Per accident)	\$
						BODILY INJURY (Per person)	\$
						BODILY INJURY (Per accident)	\$
						PROPERTY DAMAGE (Per accident)	\$
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO _____				AUTO ONLY - EA ACCIDENT	\$
						OTHER THAN AUTO ONLY	EA ACC \$ AGG \$
		EXCESS/UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE _____ <input type="checkbox"/> DEDUCTIBLE RETENTION \$				EACH OCCURRENCE	\$
						AGGREGATE	\$
							\$
							\$
A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY POLICY FOR PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Yes, describe under SPECIAL PROVISIONS below	EMWC802839	01/01/2007	01/01/2008	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER	
						FL EACH ACCIDENT	\$ 1,500,000
						FL DISEASE - EA EMPLOYEE	\$ 1,500,000
						FL DISEASE - POLICY LIMIT	\$ 1,500,000
		OTHER Client ID: #4042125				* Valid in the State of Florida *	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS
 COVERAGE APPLIES ONLY TO THOSE EMPLOYEES LEASED TO BUT NOT SUBCONTRACTORS OF:

Dennle H New Construction Company
 Qualifiers Name: Dennle H New

Aprox active employee count: 2

EastGUARD Insurance Company
 carries an A.M. Best
 Rating of A- (Excellent)
 and a financial size
 Category of VIII



CERTIFICATE HOLDER

Attn: Valerie
 Town of Sewalls Point
 1 South Sewalls Point Road
 Sewalls Point, FL 34996

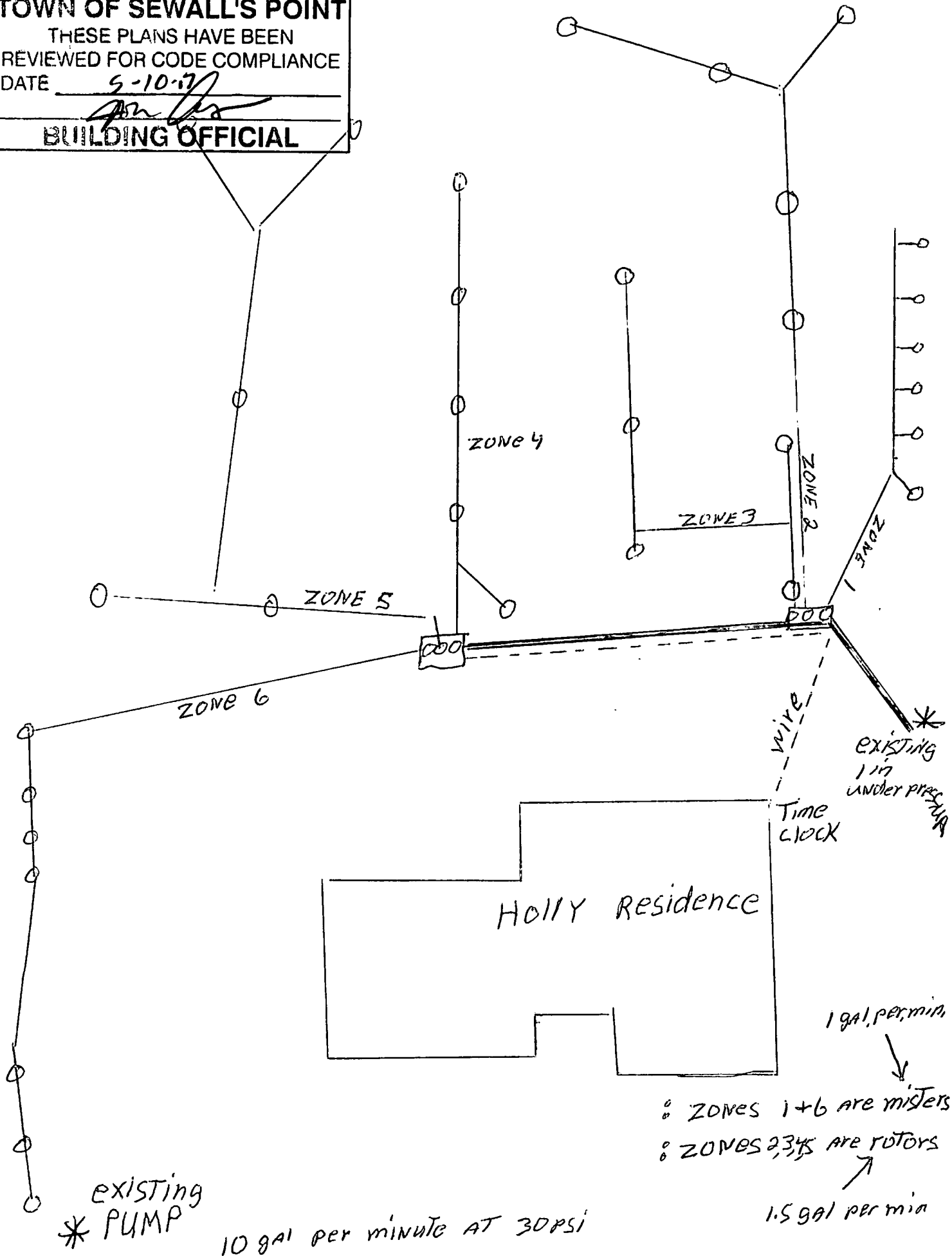
CANCELLATION

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

AUTHORIZED REPRESENTATIVE

FILE COPY
TOWN OF SEWALL'S POINT
 THESE PLANS HAVE BEEN
 REVIEWED FOR CODE COMPLIANCE
 DATE 5-10-17

BUILDING OFFICIAL



TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Tues Wed Fri 5-15, 2007 Page 1 of 1

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8535	Stark	Footer	PASS	
1st	875 Beverly Rd Emil Law.			INSPECTOR: <i>[Signature]</i>
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8601	Holly 415. River Rd. Dennis New	Final-irrigation	PASS	CLOSE
				INSPECTOR: <i>[Signature]</i>
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8555	Holly 20 Palmetto Dr	Final-demo	PASS	CLOSE
	All Clear			INSPECTOR: <i>[Signature]</i>
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:

OTHER: _____

8965

SHUTTERS



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

BUILDING PERMIT CARD

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

PERMIT NUMBER:	8965	DATE ISSUED:	JULY 29, 2008
SCOPE OF WORK:	HURRICANE SHUTTERS		
CONDITIONS :			
CONTRACTOR:	JUPITER ALUMINUM PRODUCTS		
PARCEL CONTROL NUMBER:	013841010000002400	SUBDIVISION	PALMETTO PARK-LOT 3
CONSTRUCTION ADDRESS:	41 S RIVER RD		
OWNER NAME:	HOLLY		
QUALIFIER:	MARK SCHER	CONTACT PHONE NUMBER:	561-747-4166

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

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

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

REQUIRED INSPECTIONS

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

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



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:	8965
ADDRESS	41 S RIVER RD
DATE:	7/29/08
SCOPE:	HURRICANE SHUTTERS

SINGLE FAMILY OR ADDITION /REMODEL	Declared Value	\$	
	Demodel (< \$200K)	\$	

JUPITER ALUMINUM PRODUCTS INC.
 PHONE (561) 747-4166
 219 JUNO STREET
 JUPITER, FL 33458

3578
63-215/631

PAY TO THE ORDER OF Town of Sewalls Point DATE 7/24/08
Eighty dollars and 00/100 \$ 80.00
 DOLLARS

SUNTRUST ACH RT 061000104

FOR Mark Sch.

Road impact assessment		
Martin County Impact Fee:	\$	
TOTAL BUILDING PERMIT FEE:	\$	

ACCESSORY PERMIT	Declared Value:	\$	15998
Total number of inspections @ \$75.00 each	1	\$	75
Road impact assessment: (.04% of construction value - \$5.00 min.)		\$	5
TOTAL ACCESSORY PERMIT FEE:		\$	80

Date: 7/24/08 ⁷⁻²⁴⁻⁰⁸ **Town of Sewall's Point**
BUILDING PERMIT APPLICATION Permit Number: _____
 OWNER/TITLEHOLDER NAME: Sharon Holly Phone (Day) 286-0433 (Fax) _____
 Job Site Address: 41 S. River Rd City: Sewalls Point State: FL Zip: 34996
 Legal Desc. Property (Subd./Lot/Block): unincluded lot 34s shown on plat of Palmetto Park Parcel Number: 01-38-41-010-000-00240-0
 Owner Address (if different): SAME City: _____ State: _____ Zip: _____
 Scope of work: Install (3) Bahama shutters @ Clear panels (5) Accordions & (6) w/m aluminum panels

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

COST AND VALUES: (Required on ALL permit applications)
 Estimated Value of Improvements: \$ 15,998.00
 (Notice of Commencement required when over \$2500 prior to first inspection)
 Is subject property located in flood hazard area? V A9 A8 X
FOR ADDITIONS, REMODELS AND RE-ROOF APPLICATIONS ONLY:
 Estimated Fair Market Value prior to improvement: \$ _____
 Fair Market Value of the Primary Structure only (Minus the land value)
 *** PRIVATE APPRAISALS MUST BE SUBMITTED WITH PERMIT APPLICATION ***

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

CONTRACTOR/Company: Jupiter Alum. Prod Phone: 747-4166 Fax: 747-5036
 Street: 219 Juno St City: Jupiter State: FL Zip: 33458
 State Registration Number: _____ State Certification Number: _____ Municipality License Number: SP02259
 PROJECT SUPERINTENDANT: Mark Scher CONTACT NUMBER: 747-4166

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

ENGINEER Walter Tillit Lic# 44167 Phone Number: 305-871-1530
 Street: 3365 NW 36th St City: Miami State: FL Zip: 33166

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

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

NOTICES TO OWNERS AND CONTRACTORS:
 1. YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. WHEN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.
 2. THERE ARE SOME PROPERTIES THAT MAY HAVE DEED RESTRICTIONS RECORDED UPON THEM. THESE RESTRICTIONS MAY LIMIT OR PROHIBIT THE WORK APPLIED FOR IN YOUR BUILDING PERMIT. IT IS TO YOUR ADVANTAGE AND RESPONSIBILITY TO DETERMINE IF YOUR PROPERTY IS ENCUMBERED BY ANY RESTRICTIONS. SOME RESTRICTIONS APPLICABLE TO THIS PROPERTY MAY BE FOUND IN THE PUBLIC RECORDS OF MARTIN COUNTY OR THE TOWN OF SEWALL'S POINT, AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.
 3. BUILDING PERMITS FOR SINGLE FAMILY RESIDENCES AND SUBSTANTIAL IMPROVEMENTS TO SINGLE FAMILY RESIDENCES ARE VALID FOR A PERIOD OF 24 MONTHS. RENEWAL FEES WILL BE ASSESSED AFTER 24 MONTHS PER TOWN ORDINANCE 50-95.

THIS PERMIT WILL BECOME NULL AND VOID IF THE WORK AUTHORIZED BY THIS PERMIT IS NOT COMMENCED WITHIN 180 DAYS, OR WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AT ANY TIME AFTER THE WORK IS COMMENCED. ADDITIONAL FEES WILL BE ASSESSED ON ALL NULL AND VOID PERMITS. REF. FBC 2004 W/ 2008 REVISIONS SECT. 105.4.1, 105.4.1.1 - .5.
 I HEREBY CERTIFY THAT THE INFORMATION I HAVE FURNISHED ON THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND I AGREE TO COMPLY WITH ALL APPLICABLE CODES, LAWS AND ORDINANCES DURING THE BUILDING PROCESS.

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

OWNER SIGNATURE (required)
Sharon Holly
 State of Florida, County of: Martin
 This the 24 day of July, 2008
 by Sharon Holly who is personally
 known to me or produced

CONTRACTOR SIGNATURE (required)
Mark Scher
 On State of Florida, County of: Palm Beach
 This the 24 day of July, 2008
 by Mark Scher who is personally
 known to me or produced

as Identification: JEANNE-MARIE VITA
 Comm# DD0759173
 My Commission Expires: 3/23/2012
 Florida Notary Assn. Inc.

As Identification: JEANNE-MARIE VITA
 Comm# DD0759173
 My Commission Expires: 3/23/2012

SINGLE FAMILY PERMIT APPLICATIONS MUST BE ISSUED WITHIN 30 DAYS OF APPROVAL NOTIFICATION (FBC 105.3.1)
 APPLICATIONS WILL BE CONSIDERED ABANDONED AFTER 180 DAYS (FBC 105.3.2) **PLEASE PICK UP YOUR PERMIT PROMPTLY!



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

Site Provided by...
governmentmax.com T1.14

Summary

print [navigation icons] Owner 7 of 7

Parcel Info

Summary

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

Parcel ID	Unit Address	Serial Index ID	Order	Commercial	Residential
01-38-41-010-000-00240-0	41 S RIVER RD	17780	Owner	0	1

Summary

Property Location 41 S RIVER RD
Tax District 2200 Sewall's Point
Account # 17780
Land Use 101 0100 Single Family
Neighborhood 120200
Acres 0.448

Legal Description

Property Information
 UNINCLUDED LOT 3 AS SHOWN ON PLAT OF PALMETTO PARK, PB 3/66 M/CO.
 (LESS E 15' &
 TURNAROUND) & VACATED R/W IN S 25'

Search By

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

Owner Information
Owner Information
 HOLLY, SHARON KAY

Mail Information

2336 SE OCEAN BLVD #143
 STUART FL 34996

Assessment Info
 Front Ft. 0.00

Market Land Value \$322,000
Market Impr Value \$277,060
Market Total Value \$599,060

Site Functions

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

Recent Sale
Sale Amount \$100

Sale Date 12/8/1993
Book/Page 1044 2869

Print | Back to List | << First < Previous Next > Last >>

Legal disclaimer / Privacy Statement

Data updated on 07/16/2008



PERMIT NUMBER:

NOTICE OF COMMENCEMENT

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

1. DESCRIPTION OF PROPERTY (Legal description and street address, if available) TAX FOLIO NUMBER: 01-38-41-010-000-00240-
SUBDIVISION 000 BLOCK 240 TRACT _____ LOT 0 BLDG _____ UNIT _____
unincluded lot 3 AS SHOWN ON PLAT OF PALMETTO PARK, PB 3/66 m/c/less

2. GENERAL DESCRIPTION OF IMPROVEMENT: HURRICANE SHUTTERS

3. OWNER INFORMATION: a. Name SHARON KAY HOLLY
b. Address 41 S. RIVER Rd SEWALLS PT, FL 34996 c. Interest in property Fee Simple

d. Name and address of fee simple titleholder (if other than Owner) _____
4. CONTRACTOR'S NAME, ADDRESS AND PHONE NUMBER: Jupiter Aluminum Products, Inc. 219 Juno Street Jupiter, Florida 33458

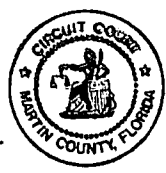
5. SURETY'S NAME, ADDRESS AND PHONE NUMBER AND BOND AMOUNT: _____

6. LENDER'S NAME, ADDRESS AND PHONE NUMBER: _____

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

STATE OF FLORIDA
MARTIN COUNTY

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



8. In addition to himself or herself, Owner designates the following to receive a copy of the Lender's Notice of Commencement in Section 713.13 (1) (b), Florida Statutes:
NAME, ADDRESS AND PHONE NUMBER: _____

BY: T. COYNE D.C.
DATE: 7-22-08

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified): _____, 20__

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

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

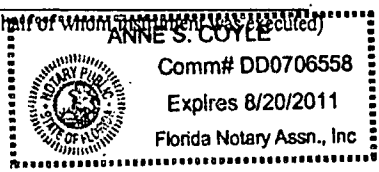
SHARON KAY HOLLY
Print Name and Provide Signatory's Title/Office
H 400 79156 523 0

State of Florida
County of Palm Beach

The foregoing instrument was acknowledged before me this day of 1st JULY, 2008

By: Sharon Kay Holly as _____
(name of person) (type of authority, ... e.g. officer, trustee, attorney in fact)

for _____
(name of party on behalf of whom instrument is executed)



Anne S. Coyle
Notary signature serial # _____

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

Sharon Kay Holly
(Signature of Natural Person Signing Above)



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

75
6

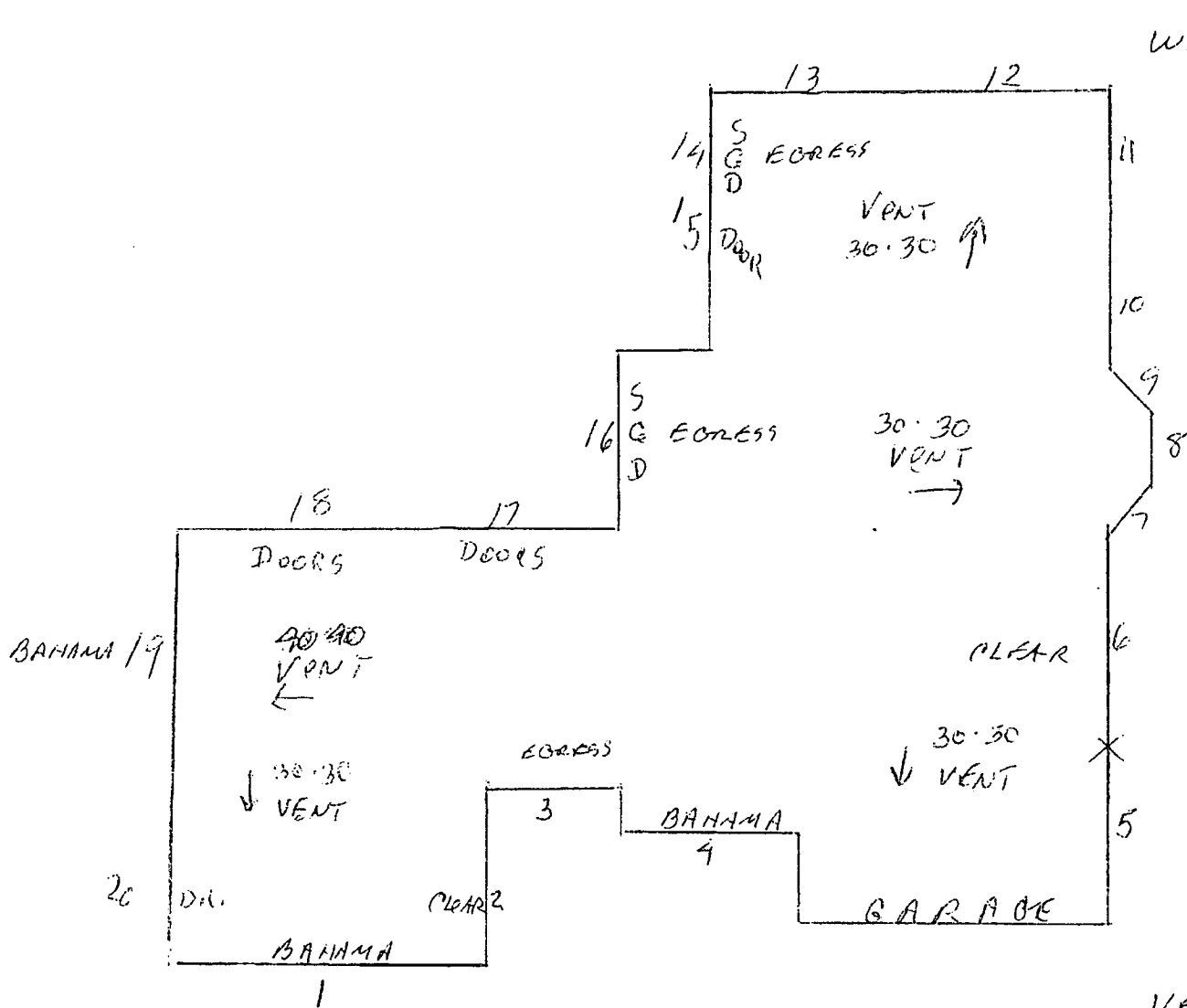
\$ 81

HURRICANE SHUTTER INSTALLATION CHECKLIST

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

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

- 1 Copy Completed Permit application**
- 2 Copies Shutter schedule**
- 2 Copies Floor plan sketch showing the location and ID number of each shutter. MUST MATCH SHUTTER SCHEDULE.**
- 2 Copies Shutter engineering specifications complying with the 2004 FBC w/2006 revisions**
- 1 Copy Prior to the final inspection; an impact installation affidavit must be submitted.**



- WHERE BAHAMA D 57.55
- CLEAR PAN 2) 22.22
 - ACCORDIAN 3) 70.88
 - BAHAMA 4) 110.65
 - ACCORDIAN 5) 72.43
 - CLEAR PAN 6) 42.43
 - ACCORDIAN 7) 27.77 +
 - " 8) 48.77 +
 - " 9) 27.77 +
 - " 10) 58.68
 - " 11) 42.68
 - " 12) 42.68
 - " 13) 42.68
 - " 14) 76.83
 - " 15) 35.55
 - " 16) 100.85
 - " 17) 137.85
 - " 18) 78.85
 - BAHAMA 19) 112.33
 - ACCORDIAN 20) 35.55

- VENT WT. PAN
- 21) 30.30
 - " 22) 30.30
 - " 23) 30.30
 - " 24) 30.30
 - " 25) 40.40

5 FH-WOOD

SHARON HOLLY
 41 SO. RIVER RD
 SEWALLS POINT FL 34994
 772-286-0433 H • 772-285-4888 C



DESIGN PRESSURE CALCULATION

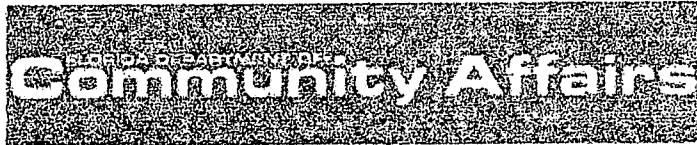
for Exposure C, Wind speed 140 mph and Mean roof height 15 ft

Contractor:
Jupiter Aluminum Products

Preparer:
Jeanne-Marie

Project Address:
41 S. River Rd.
Sewalls Point
Florida
34996

#	Width	Height	Location	+	-
1	57	55	End	40.63	-52.94
2	22	22	End	42.71	-57.11
3	70	86	End	38.93	-49.55
4	110	65	End	38.27	-48.22
5	42	43	End	42.22	-56.13
6	42	43	End	42.22	-56.13
7	27	77	End	41.85	-55.39
8	48	77	End	40.30	-52.28
9	27	77	End	41.85	-55.39
10	58	68	End	40.15	-51.99
11	42	68	End	40.81	-53.30
12	42	68	End	40.81	-53.30
13	42	68	End	40.81	-53.30
14	76	83	End	38.76	-49.21
15	35	85	End	40.72	-53.13
16	100	85	End	37.89	-47.46
17	137	85	End	37.04	-45.77
18	78	85	End	38.57	-48.83
19	112	33	End	40.30	-52.28
20	35	88	End	40.66	-53.00
21	30	30	End	42.71	-57.11
22	30	30	End	42.71	-57.11
23	30	30	End	42.71	-57.11
24	30	30	End	42.71	-57.11
25	40	40	End	42.50	-56.68



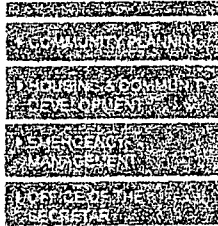
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Product Approval

USER: Public User

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



FL #	FL2668-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>

Product Manufacturer	Town and Country Industries,
Address/Phone/Email	400 West McNab Road Ft. Lauderdale, FL 33309 (954) 493-8551 tomj@tc-alum.com

Authorized Signature	Vladimir Knezevich KAEng@aol.com
----------------------	-------------------------------------

Technical Representative	Thomas B. Johnston
Address/Phone/Email	400 west McNab Rd. Ft. Lauderdale, FL 33309 (954) 970-9999 tomj@tc-alum.com

Quality Assurance Representative
Address/Phone/Email

Category	Shutters
Subcategory	Bahama

Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer
	<input checked="" type="checkbox"/> Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed the Evaluation Report	John W. Knezevich
Florida License	PE-41961
Quality Assurance Entity	National Accreditation and Management Institute
Quality Assurance Contract Expiration Date	
Validated By	ORLANDO L. BLANCO, P.E.
	<input type="checkbox"/> Validation Checklist - Hardcopy Received

Certificate of Independence

Referenced Standard and Year (of Standard)	<u>Standard</u>	<u>Year</u>
--	-----------------	-------------

ASTM E1886 and E1996
 ASTM E330

2002
 2002

Equivalence of Product Standards
 Certified By

Sections from the Code

Product Approval Method Method 2 Option B

Date Submitted 09/23/2005
 Date Validated 09/23/2005
 Date Pending FBC Approval 10/01/2005
 Date Approved 10/11/2005
 Date Revised 05/16/2008

Summary of Products		
FL #	Model, Number or Name	Description
2668.1	Bahama Shutter	Aluminum Bahama Shutter with operable blades
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Maximum allowable design pressure = +/- 50 PSF for 6'-11" span shutter, and maximum allowable design pressure = +/- 37.5 PSF for 8'-0" span shutter. The Bahama Shutter does not provide impact protection in the open position or in the closed position with open louver blades. To provide impact protection, the shutter must be in the closed position and the louver blades must be locked closed. Maximum Bahama Shutter projection = 8'-0". See reference drawing for allowable angles of operation for varying projections. Maximum Bahama Shutter louver blade span = 3'-2". This product is NOT suitable for installation in the High Velocity Hurricane Zone. This product may only be installed on concrete, hollow concrete block or wood substrates. For all other conditions site specific design shall be by this office or our delegated engineer.		Installation Instructions Verified By: Created by Independent Third Party: Evaluation Reports PTID 2668 R1 T 05-355 DWGs Bahama.pdf PTID 2668 R1 T 05-355 Report Bahama.pdf Created by Independent Third Party:

DCA Administration
 Department of Community Affairs
 Florida Building Code Online
 Codes and Standards
 2555 Shumard Oak Boulevard
 Tallahassee, Florida 32399-2100
 (850) 487-1824, Fax (850) 414-8436

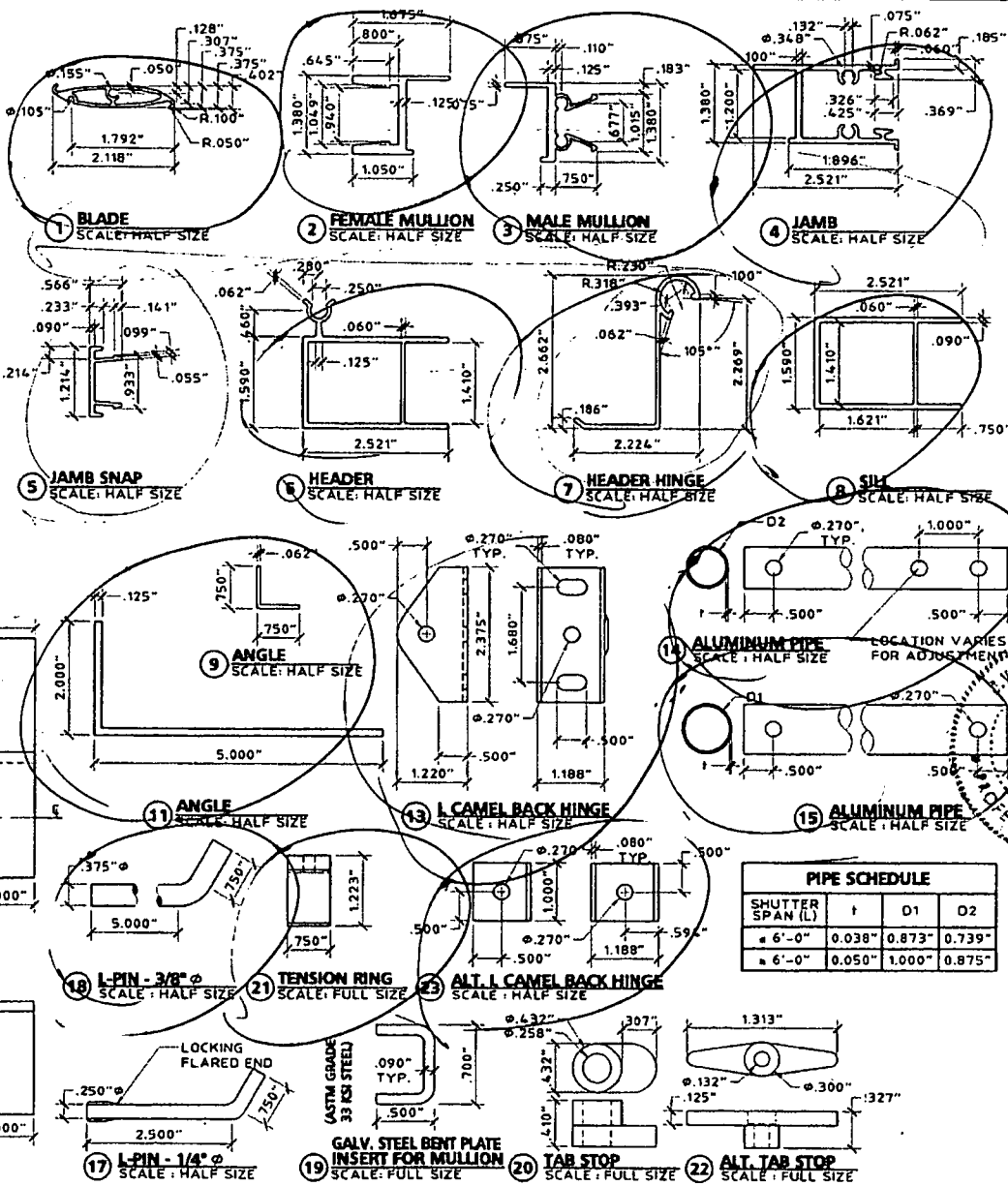
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Product Approval Accepts:



GENERAL NOTES:

1. THESE PRODUCT EVALUATION DOCUMENTS REPRESENT A SHUTTER SYSTEM DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004.
2. THIS SHUTTER SYSTEM HAS BEEN TESTED FOR LARGE MISSILE IMPACT RESISTANCE AND CYCLIC PRESSURE LOADING IN CONFORMANCE WITH ASTM E1996-02 AND E1886-02 STANDARDS AND FOR UNIFORM STATIC AIR PRESSURE IN CONFORMANCE WITH ASTM E330-02 STANDARD. REFERENCED TEST REPORT IS REPORT NO. 0353-0215-04 & NO. 0353-0317-04, PREPARED BY HURRICANE TESTING LABORATORY.
3. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT.
4. DETERMINE THE POSITIVE AND NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH ASCE 7-98, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE USED.
5. THESE PRODUCT EVALUATION DOCUMENTS ARE PREPARED BY THE PRODUCT ENGINEER AND ARE GENERIC. THEY DO NOT INCLUDE INFORMATION PREPARED FOR A SPECIFIC SITE.
6. USE OF THESE APPROVAL DOCUMENTS SHALL COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
7. THESE PRODUCT EVALUATION DOCUMENTS ARE SUITABLE TO BE APPLIED BY THE CONTRACTOR PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THE EXISTING STRUCTURE IS CAPABLE OF SUPPORTING THE SUPERIMPOSED LOADS.
8. ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED.
9. WHEN THE SITE CONDITIONS DEVIATE FROM THESE PRODUCT EVALUATION DOCUMENTS, SITE SPECIFIC DOCUMENTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT. IF THE DEVIATING SITE SPECIFIC DOCUMENTS ARE PREPARED BY A DELEGATED FLORIDA REGISTERED ENGINEER OR ARCHITECT, SAID DOCUMENTS SHALL BEAR THE DATE, SIGNATURE AND ORIGINAL SEAL OF THE DELEGATED ENGINEER OR ARCHITECT AND SHALL BE SUBMITTED TO THE PRODUCT ENGINEER FOR REVIEW.
10. COMPONENTS SHALL BE LABELED WITH A MINIMUM OF ONE LABEL PER OPENING OR THE MANUFACTURER AND INSTALLER SHALL PROVIDE A CERTIFICATE OF COMPLIANCE. WHERE LABELS ARE USED, THE LABEL SHALL READ AS FOLLOWS:
 TOWN & COUNTRY INDUSTRIES, INC.
 FT LAUDERDALE, FL
 ASTM LARGE MISSILE IMPACT RESISTANT
 11. MAXIMUM ALLOWABLE DESIGN PRESSURE ± 50.0 P.S.F. FOR 6'-11" MAX. SPANS.
 ± 37.3 P.S.F. FOR 8'-0" MAX. SPANS.
 12. ALL BOLTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 K.S.I., U.O.N.
 13. ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, U.O.N.
 14. BLADES MUST BE CLOSED & LOCKED FOR WIND AND IMPACT PROTECTION.



PIPE SCHEDULE			
SHUTTER SPAN (L)	t	D1	D2
6'-0"	0.038"	0.873"	0.739"
6'-6"	0.050"	1.000"	0.875"

Thomton-Tomasetti Group
 1100 N. University Ave., Suite 450, Ft. Lauderdale, FL 33307
 Tel: (954) 522-2600 Fax: (954) 222-3691 CO.# 12330
 Website: www.TheTTGroup.com

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BAHAMA SHUTTER

Town & Country
 A Division of TIC Group Co., Inc.
 1100 N. University Ave., Suite 450, Ft. Lauderdale, FL 33307
 Phone: (954) 522-2600 Fax: (954) 222-3691

FLORIDA BUILDING CODE, 2004

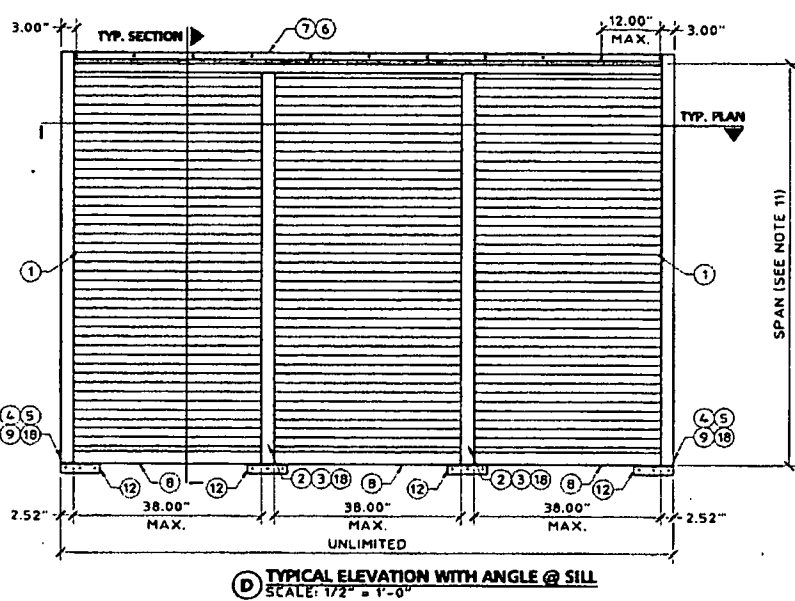
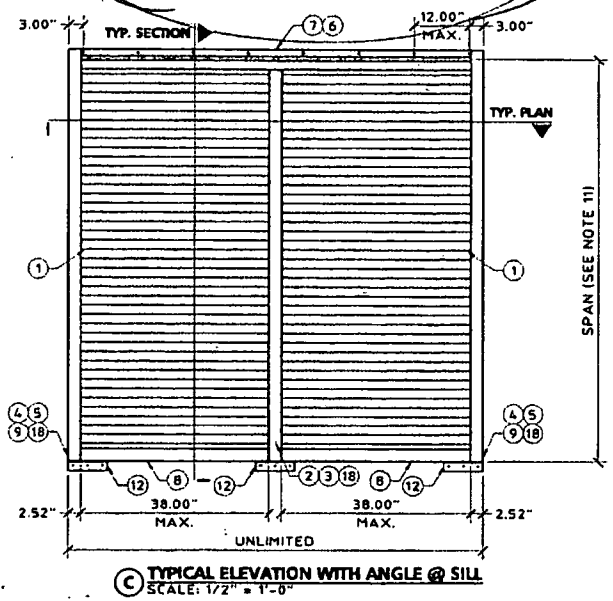
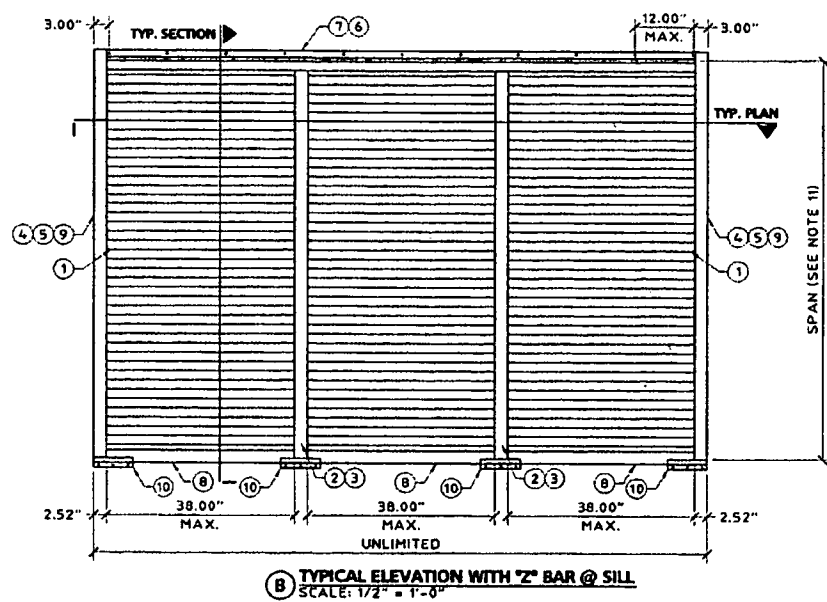
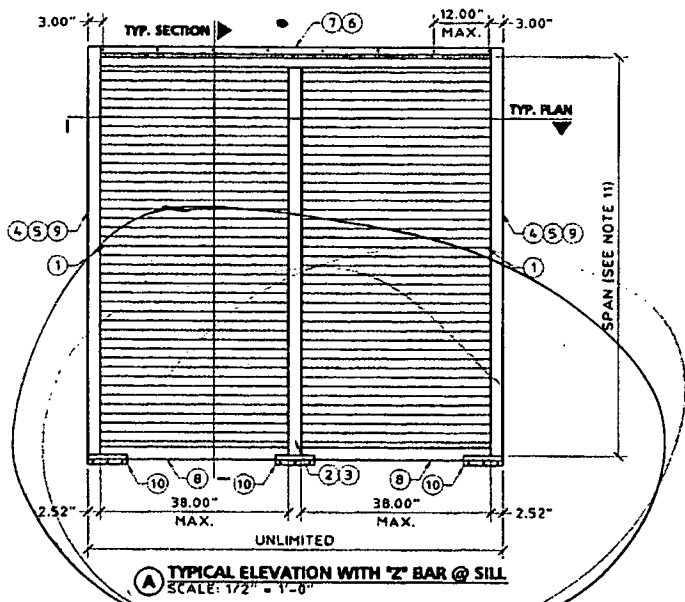
REVISIONS

NO.	DATE	DESCRIPTION	BY	CHKD.
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2		DESIGN	NW	
3		CHECKED	HWK	

06/08/2005

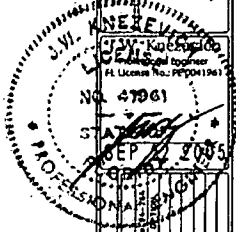
05-355

sheet 1 of 3



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 10000 South State Road, Suite 105, Tampa, FL 33614
 Tel: (813) 332-6500 Fax: (813) 332-3891
 Web: www.TTGGroup.com
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BAHAMA SHUTTER
Turn & Country
 A Division of T/C Supply Co., Inc.
 100 West Manatee Road, Fort Lauderdale, FL 33309
 Phone: (954) 228-9219 • FAX: (954) 228-7105



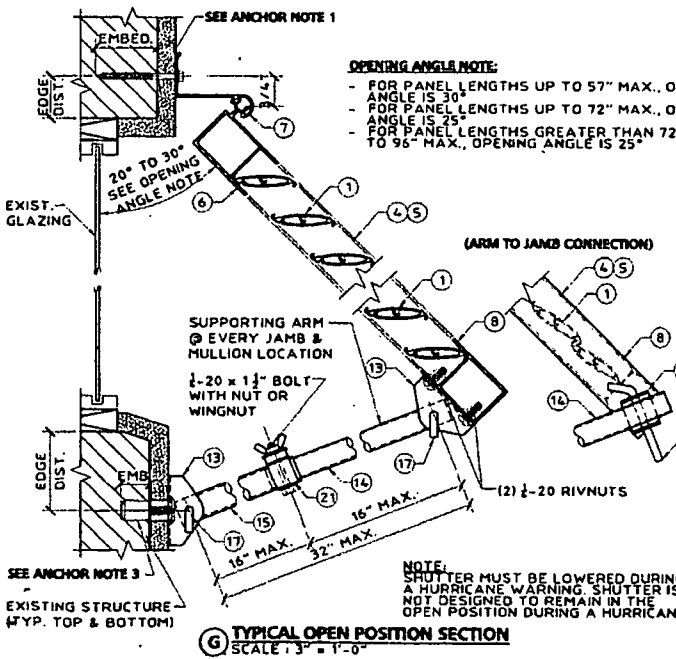
FLORIDA BUILDING CODE, 2004

REV	DATE	BY	DESCRIPTION
01	06/08/2005		AS NOTED
02		NW	checked by
03			typ
No. 05-355 sheet 2 of 3			

- ANCHOR NOTE 1:**
 CONNECTION IN MIN. 3 KSI CONCRETE:
 - 1/4" Ø ITW TAPCONS @ 12" O.C. WITH 1-3/4" MIN. EMBED. AND 2" MIN. EDGE DIST.
 - 1/4" M/F ELCO PANELMATS @ 12" O.C. WITH 1-3/4" MIN. EMBED. AND 2" MIN. EDGE DIST.
 - 1/4"-20 ALL POINTS SOLID SET ANCHOR @ 12" O.C. WITH 7/8" MIN. EMBED. AND 2" MIN. EDGE DIST.
 CONNECTION IN HOLLOW CONCRETE BLOCK:
 - 1/4" Ø ITW TAPCONS @ 12" O.C. WITH 1-1/4" MIN. EMBED. AND 2" MIN. EDGE DIST.
 - 1/4" M/F ELCO PANELMATS @ 12" O.C. WITH 1-1/4" MIN. EMBED. AND 2" MIN. EDGE DIST.
 - 1/4"-20 ALL POINTS SOLID SET ANCHOR @ 12" O.C. WITH 7/8" MIN. EMBED. AND 2" MIN. EDGE DIST.
 CONNECTION IN WOOD:
 - #10 WOOD SCREW @ 12" O.C. WITH 1-1/2" MIN. EMBED. AND 3/4" MIN. EDGE DIST.

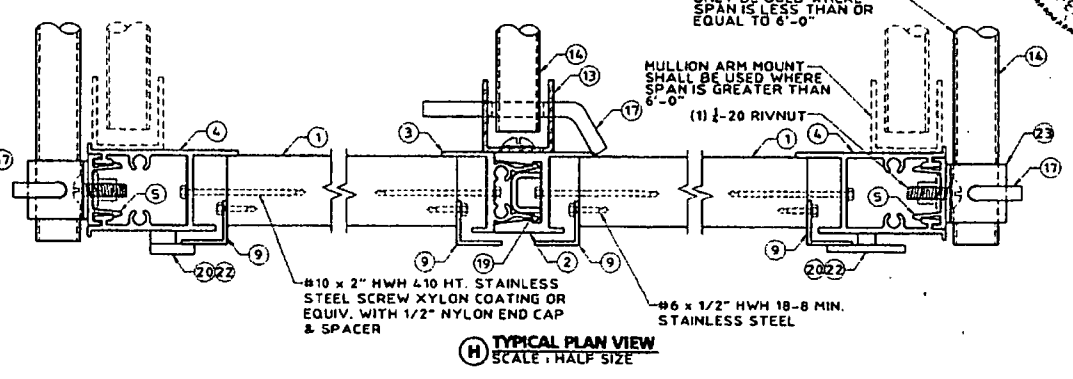
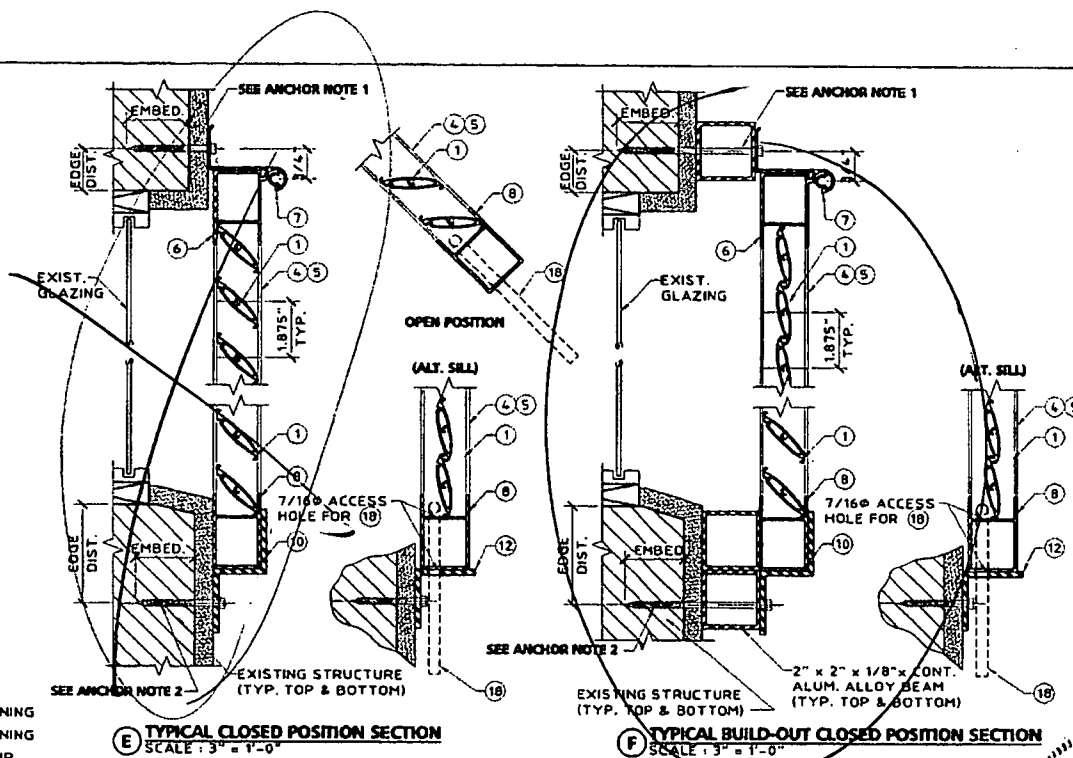
- ANCHOR NOTE 2:**
 CONNECTION IN MIN. 3 KSI CONCRETE:
 - (3) 1/4" Ø ITW TAPCONS WITH 1-3/4" MIN. EMBED. AND 2" MIN. EDGE DIST.
 - (3) 1/4"-20 M/F ELCO PANELMATS WITH 1-3/4" MIN. EMBED. AND 2" MIN. EDGE DIST.
 - (3) 1/4"-20 ALL POINTS SOLID SET ANCHORS WITH 7/8" MIN. EMBED. AND 2" MIN. EDGE DIST.
 CONNECTION IN HOLLOW CONCRETE BLOCK:
 - (3) 1/4" Ø ITW TAPCONS WITH 1-1/4" MIN. EMBED. AND 2" MIN. EDGE DIST.
 - (3) 1/4"-20 M/F ELCO PANELMATS WITH 1-1/4" MIN. EMBED. AND 2" MIN. EDGE DIST.
 - (3) 1/4"-20 ALL POINTS SOLID SET ANCHORS WITH 7/8" MIN. EMBED. AND 2" MIN. EDGE DIST.
 CONNECTION IN WOOD:
 - (3) #10 WOOD SCREWS WITH 1-1/2" MIN. EMBED. AND 3/4" MIN. EDGE DIST.

- ANCHOR NOTE 3:**
 CONNECTION IN MIN. 3 KSI CONCRETE:
 - (1) 5/16"-18 POWERS FASTENER CALK-IN WITH 1" MIN. EMBED. AND 2-1/2" MIN. EDGE DIST.
 CONNECTION IN HOLLOW CONCRETE BLOCK:
 - FOR L/S IS LESS THAN OR EQUAL TO 6'-0" AND A MAXIMUM MULLION SPACING OF 24".
 - USE (1) 5/16"-18 POWERS FASTENER CALK-IN WITH 1" MIN. EMBED. AND 2-1/2" MIN. EDGE DIST.
 - FOR L/S IS GREATER THAN 6'-0" OR MULLION SPACING GREATER THAN 24", SITE SPECIFIC ENGINEERING IS REQUIRED.
 CONNECTION IN WOOD:
 - (2) 3/8" Ø LAG SCREWS WITH 1-3/4" MIN. EMBED. AND 3/4" MIN. EDGE DIST.



- OPENING ANGLE NOTE:**
 - FOR PANEL LENGTHS UP TO 57" MAX., OPENING ANGLE IS 30°
 - FOR PANEL LENGTHS UP TO 72" MAX., OPENING ANGLE IS 25°
 - FOR PANEL LENGTHS GREATER THAN 72" UP TO 95" MAX., OPENING ANGLE IS 25°

NOTE:
 SHUTTER MUST BE LOWERED DURING A HURRICANE WARNING. SHUTTER IS NOT DESIGNED TO REMAIN IN THE OPEN POSITION DURING A HURRICANE.



Thornton-Tomasetti Group
 310 N. ANCHORAGE AVE. SUITE 450 • Ft. Lauderdale, FL 33301
 TEL: (954) 322-2600 • FAX: (954) 322-3691 • CO.# 93319
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Thor & Country
 A Division of TFC Supply Co., Inc.
 400 West Atlantic Road Fort Lauderdale, FL 33309
 Phone: (954) 253-0119 • Fax: (954) 253-7779

FLORIDA BUILDING CODE, 2004

REVISIONS

NO.	DATE	DESCRIPTION
1	06/08/2005	ISSUED FOR PERMIT

06/08/2005
 AS NOTED
 Design: NW
 Checked: LWA
 Drawn: LWA
 05-355
 sheet 3 of 3



The Florida Department of Community Affairs Building Code Information System



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PRODUCT APPROVAL Product Type Detail

Overview Product Search Organization Search Product Application

User: Public User - Not Associated with Organization -

[Need Help?](#)

Application #: FL5133
 Date Submitted: 08/15/2005
 Code Version: 2004

Product Manufacturer: American Shutter Systems Association, Inc.
 Address/Phone/email: 4268 Westroads Drive
 West Palm Beach, FL 33407
 (561) 841-5480

Category: Shutters

Subcategory: Accordion

Evaluation Method: Evaluation Report from a Florida Registered Architect or Florida Professional Engineer

Referenced Standards from the Florida Building Code:

Section	Standard	Year
1609.1.4	TAS 201, 202, 203	1994

Florida Engineer or Architect Name: Walter A. Tillit, Jr.

Florida License: PE-44167

Quality Assurance Entity: National Accreditation and Management Institute

Validation Entity: John Henry Kampmann Jr.

Authorized Signature: Bill Feeley
 bfeeley@easternmetal.com

Evaluation/Test Reports Uploaded:

Installation Documents Uploaded:

Product Approval Method:

Method I Option D

Application Status:

Approved

Date Validated:

09/23/2005

Date Approved:

10/11/2005

Date Certified to the 2004 Code:

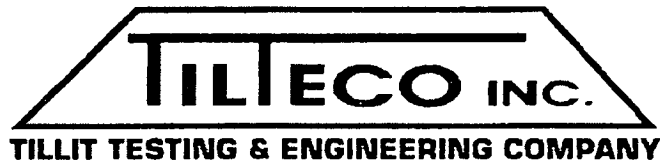
Page:

Page 1 / 1

App/Seq #	Product Model # or Name	Model Description	Limits of Use
5133.1	Mid-Rise Accordion Shutter - Drwg# 05-208	Extruded aluminum blades folded together thru knuckles and retained by tracks to provide storm protection	Product shall not be installed within High Velocity Hurricane Zones as defined on section 1620.2 of the Florida Building Code.
5133.2	Residential Bertha Accordion Shutter - Drwg# 05-208	Extruded aluminum blades folded together thru knuckles and retained by tracks to provide storm protection	Product Shall not be installed within High Velocity Hurricane Zones as defined on section 1620.2 of the Florida Building Code



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WALTER A. TILLIT, JR., P.E.

tilteco@aol.com
FL P.E. License No. 44167
FL E.B. License No. 0006719

PRODUCT EVALUATION REPORT

REPORT NO.: 05-0803.01
DATE: August 3, 2005
PRODUCT CATEGORY: Hurricane Shutters
PRODUCT SUB-CATEGORY: Accordions
PRODUCT NAME: ASSA/ Mid-Rise Bertha Accordion Shutter
(formerly ASSA/Economy Accordion Shutter)
SUBMITTED BY: A.S.S.A./American Shutter Systems Association, Inc.
4268 Westroads Drive
West Palm Beach, Florida 33407

1. PURPOSE OF EVALUATION:

This is a Product Evaluation Report issued by **Walter A. Tillit, Jr., P.E.** (System ID # 1906) to the **American Shutter Systems Association, Inc. (A.S.S.A.)**, based on Rule Chapter No. 9B-72.070, Method 1d of the State of Florida Product Approval, Department of Community Affairs-Florida Building Commission.

This product is being issued an Evaluation Report as described herein, and has been verified for compliance in accordance with the 2004 edition of the Florida Building Code, and to verify that the product is for the purpose intended at least equivalent to that required by the Code.

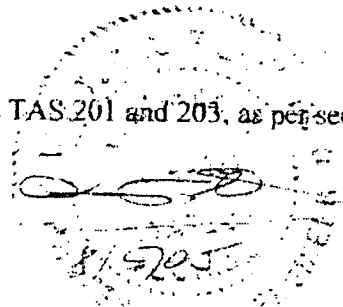
2. EVIDENCE SUBMITTED:

2.1. PRODUCT EVALUATION DOCUMENT (P.E.D.):

Drawing No. 05-208, titled "ASSA/MID-RISE BERTHA ACCORDION SHUTTER", sheets 1, 1A, and 2 thru 8 of 16, prepared by Tilteco, Inc.; signed and sealed by Walter A. Tillit, Jr., P.E.; dated 07/19/05. This drawing is an integral part of this Evaluation Report.

2.2. TEST REPORTS:

Large missile impact and cyclic loading under Protocols TAS 201 and 203, as per section



PRODUCT EVALUATION REPORT NO. 05-0803.01

1609.1.4 of the Florida Building Code. Uniform Static loads in accordance with Protocol TAS 202. Test Reports prepared by American Testing Lab of South Florida, Report No. 0201.01-96, dated July 13, 1996, and Addendum dated September 16, 1997, both signed and sealed by William R. Mehner, P.E., and No. 0701.01-05, dated July 27, 2005, signed and sealed, signed and sealed by William R. Mehner, P.E., and Henry Hatten, P.E.

Mill Certificates from Easco Aluminum (extruders) to certify aluminum alloy and temper for components.

2.3. STRUCTURAL ENGINEERING CALCULATIONS:

On ASSA/ Mid-Rise Bertha Accordion Shutter (formerly ASSA/Economy Accordion Shutter) for maximum shutter span vs. design wind load, as well as maximum anchor spacing vs. design wind load and shutter span based on rational and comparative analysis, and in accordance with section 1612 of the Florida Building Code. Calculations prepared by Tilteco, Inc., dated August 01, 2005, signed and sealed by Walter A. Tillit, Jr., P.E.

3. MISSILE IMPACT RESISTANCE:

Large missile impact under section 1609.1.4 of the Florida Building Code, as per Protocol TAS 201.

4. WIND LOADS RESISTANCE:

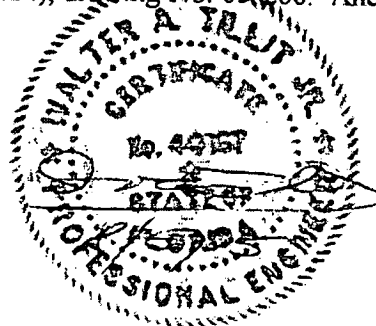
Accordion Shutter System has been verified to sustain wind pressures. Maximum Shutter Span shall be as indicated on sheet 8 of 16 of Product Evaluation Document (P.E.D.), drawing No. 05-208. Maximum Anchor Spacing shall be as indicated on sheet 8 of 16 of Product Evaluation Document (P.E.D.), drawing No. 05-208.

5. INSTALLATION:

Shall be performed strictly in accordance with the details indicated on sheets 2, 3, 4, 5, 6 and 7 of 16 of Product Evaluation Document (P.E.D.), drawing No. 05-208. Minimum separation to glass shall be as indicated on sheets 2, 3, 4, 5, 6, 7, and 8 of 16 of Product Evaluation Document (P.E.D.), drawing No. 05-208. Requirements for use of locks and/or locking rods shall be as indicated on Notes on sheets 4 and 5 of 16 of Product Evaluation Document (P.E.D.), drawing No. 05-208.

6. MATERIAL CHARACTERISTICS AND SPECIFICATIONS:

Shall be strictly in accordance with General Notes and Components indicated on sheets 1 and 1A of 16 of Product Evaluation Document (P.E.D.), drawing No. 05-208. Anchor



PRODUCT EVALUATION REPORT NO. 05-0803.01

specifications shall be as indicated on sheets 1, 6, 7 and 8 of 16 of Product Evaluation Document (P.E.D.), drawing No. 05-208.

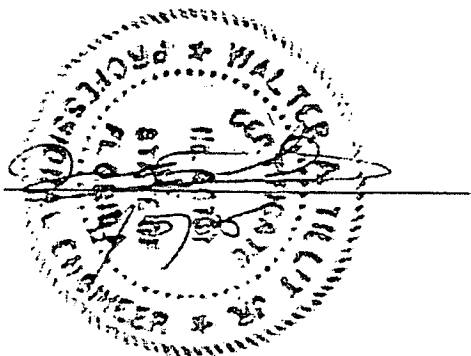
7. LIMITATIONS AND CONDITIONS OF USE:

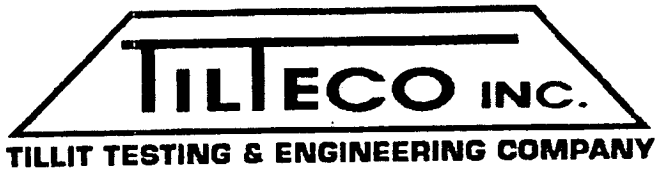
7.1. Shall be strictly in compliance with General Notes No. 9, 10, 11, 12 and 13, indicated on sheet 1 of 16, of Product Evaluation Document (P.E.D.), drawing No. 05-208, prepared by Tilteco, Inc. and signed and sealed by Walter A. Tillit, Jr., P.E.

7.2. Product shall not be installed within HIGH VELOCITY HURRICANE ZONES as defined on section 1620.2 of the Florida Building Code.

7.3. Product shall only be installed into poured concrete, concrete block, and wood frame structures.

Product Evaluation Report prepared by Walter A. Tillit, Jr., P.E. (Florida License No. 44167), President of Tilteco, Inc. (Florida EB-0006719).





WALTER A. TILLIT, JR., P.E.

tilteco@aol.com
FL P.E. License No. 44167
FL E.B. License No. 0006719

CERTIFICATION OF INDEPENDENCE
(Rule #9B-72.110)

Evaluation Report #: 05-0803.01

Date: August 3, 2005

Product Category: Hurricane Shutters

Product Subcategory: Accordions

Product Name: ASSA/Mid-Rise Bertha Accordion Shutter

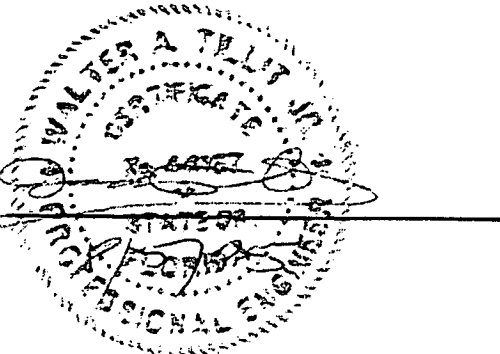
Submitted By: A.S.S.A./American Shutter Systems Association, Inc.

Dear Sir (Madam):

This is to certify that this Florida Professional Engineer, performing this evaluation does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the reports are being issued.

This is also to certify that this Florida Professional Engineer performing this evaluation does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

Certificate of Independence prepared by Walter A. Tillit, Jr., P.E. (Florida License No. 44167), President of Tilteco, Inc. (Florida EB-0006719).



GENERAL NOTES:

1. ACCORDION SHUTTER SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2004 EDITION OF THE FLORIDA BUILDING CODE. THIS ACCORDION SHUTTER SHALL NOT BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES (MIAMI-DADE / BROWARD COUNTIES). DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1609 OF THE ABOVE MENTIONED CODE. IN ORDER TO VERIFY THAT COMPONENTS AND ANCHORS ON THIS P.A.D. AS TESTED WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. HOWEVER, A WIND DURATION FACTOR CD=1.60 WAS USED FOR VERIFICATION OF FASTENERS IN WOOD. ASSA/MID-RISE BERTHA ACCORDION SHUTTER ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.4 OF THE ABOVE MENTIONED CODE AS PER ATL REPORTS # 0201.01-96 AND 0701.01-05, PER PROTOCOLS TAS 201, 202, 203.

2. STAINLESS STEEL SHEET METAL SCREWS USED AT LOUVER PIN SHALL BE # 10 x 3", 410-HT MINIMUM SERIES W/ 135.0 ksi YIELD STRENGTH & 180 ksi TENSILE STRENGTH. SCREWS SHALL BE COATED WITH XYLAN 5000 SERIES FLUOROPOLYMER COATINGS AS MANUFACTURED BY WHITFORD Co, BOX 507, WEST CHESTER PA. 19381.

3. ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T6 ALLOY.

4. ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 SERIES W/ 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018.

5. ALL ALUMINUM POP RIVETS TO BE 5052 ALUMINUM ALLOY WITH ALUMINUM MANDREL.

6. BOLTS TO BE A.S.T.M. A-307 GALVANIZED OR AISI 304 SERIES STAINLESS STEEL WITH 35 ksi MINIMUM YIELD STRENGTH.

7. ANCHORS TO WALL SHALL BE AS FOLLOWS:

- (A) TO EXISTING POURED CONCRETE:
 - 1/4" Ø TAPCON ANCHORS, AS MANUFACTURED BY I.T.W. BUILDDEX.
 - 1/4" Ø ZAMAC NAILIN ANCHORS, AS MANUFACTURED BY POWERS FASTENERS, INC.
 - 1/4" Ø x 7/8" CALK-IN ANCHORS AS MANUFACTURED BY POWERS FASTENERS, INC.

NOTES:

A.1) MINIMUM EMBEDMENT OF TAPCON ANCHORS INTO POURED CONCRETE IS 1 3/4". MINIMUM EMBEDMENT OF ZAMAC NAILIN IS 1 3/4".

A.2) 7/8" CALK-IN ANCHORS SHALL BE ENTIRELY EMBEDDED INTO THE POURED CONCRETE. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED.

1/4" Ø-20 SCREWS USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST.

A.3) IN CASE THAT PRECAST STONE, PRECAST CONCRETE PANELS, OR PAVERS BE FOUND ON THE EXISTING WALL OR FLOOR, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS. ANCHORAGE SHALL BE AS INDICATED ON NOTES A.1) & A.2) ABOVE.

(B) TO EXISTING CONCRETE BLOCK WALL:

- 1/4" Ø TAPCON ANCHORS AS MANUFACTURED BY I.T.W. BUILDDEX.
- 1/4" Ø ZAMAC NAILIN ANCHORS AS MANUFACTURED BY POWERS FASTENERS, INC.
- 1/4" Ø x 7/8" CALK-IN AS MANUFACTURED BY POWERS FASTENERS, INC.

NOTES:

B.1) MINIMUM EMBEDMENT OF TAPCON ANCHORS INTO THE CONCRETE BLOCK UNIT SHALL BE 1 1/4", MINIMUM EMBEDMENT OF ZAMAC NAILIN IS 1 1/4".

B.2) 7/8" CALK-IN ANCHORS SHALL BE ENTIRELY EMBEDDED INTO THE CONCRETE BLOCK UNIT. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED.

1/4" Ø-20 SCREWS USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST.

B.3) IN CASE THAT PRECAST STONE OR PRECAST CONCRETE PANELS BE FOUND ON THE EXISTING WALL, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS. ANCHORAGE SHALL BE AS INDICATED ON NOTES B.1) & B.2) ABOVE.

(C) ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.

8. ACCORDION SHUTTER SYSTEM IS PATENT PENDING. COMPONENTS OF THIS APPROVAL ARE COVERED IN WHOLE OR PART BY U.S. PATENT ISSUED TO EASTERN METAL SUPPLY, INC.

9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE SHUTTER IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE.

10. THE INSTALLATION CONTRACTOR IS TO SEAL/CAULK ALL SHUTTER COMPONENT EDGES WHICH REMAIN IN CONTINUOUS CONTACT WITH THE BUILDING TO PREVENT WIND/RAIN INTRUSION. CAULK AND SEAL SHUTTER TRACKS ALL AROUND FULL LENGTH.

11. ACCORDION SHUTTER INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.

12. EACH UNIT MUST BEAR A PERMANENT LABEL IN A VISIBLE PLACE WITH A WARNING NOTE INSTRUCTING THE TENANT OR HOME OWNER THAT ALL LOCKING PINS, AS WELL AS BOTH LOCKERS MUST BE PROPERLY INSTALLED & BOLTED DURING PERIODS OF HURRICANE WARNING.

13. (a) THIS P.E.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

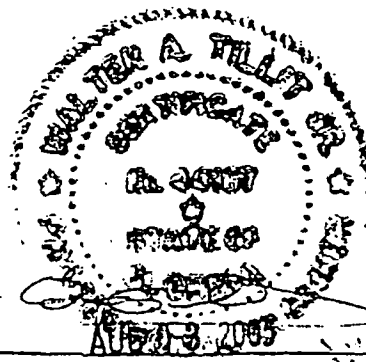
(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.E.D. PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(c) THIS P.E.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

(d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

(e) THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

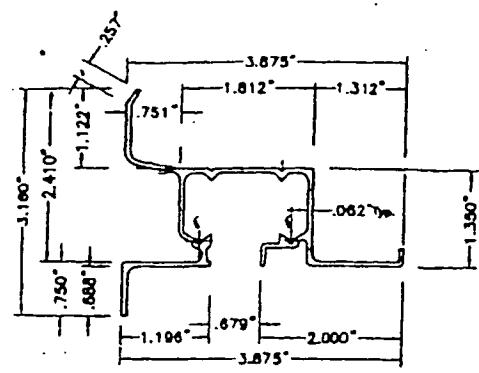
13. SHUTTER MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABEL SHALL READ AS FOLLOWS:
AMERICAN SHUTTERS SYSTEMS ASSOC., INC.
WEST PALM BEACH, FL.
FLORIDA STATEWIDE PRODUCT APPROVED.



TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6255 N.W. 36th St., Ste. 300, VERO BEACH, FLORIDA 33165
Phone: (305)871-1030 Fax: (305)871-1031
EB-0006719
WALTER A. TILLIT JR., P. E.
FLORIDA Lic. # 44187

F.B.C. (Non High Velocity Hurricane Zone)

COMBINATION DRAWING:					
ASSA / MID-RISE BERTHA ACCORDION SHUTTER (SHEETS 1 THRU 8 OF 16)					
ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER (SHEETS 9 THRU 18 OF 16)					
ASSA / MID-RISE BERTHA ACCORDION SHUTTER					AS SHOWN SCALE
AMERICAN SHUTTERS SYSTEMS ASSOC., INC.					7/19/05 DATE
4288 WESTROADS DRIVE WEST PALM BEACH, FL 33407					05-208 DRAWING No
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 02-052	7/19/05	2	-	-
2	-	-	4	-	-
					SHEET 1 OF 18

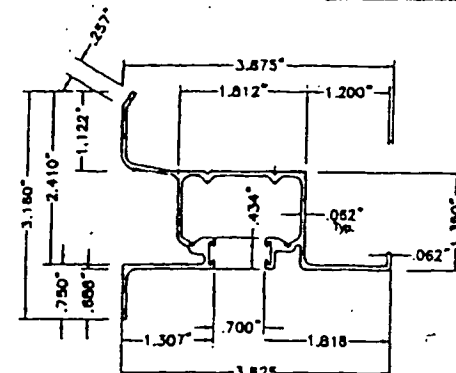


REGULAR

(A) HEADER-WALL MOUNT.

(A) SILL-WALL MOUNT.

SCALE: 3/8" = 1"

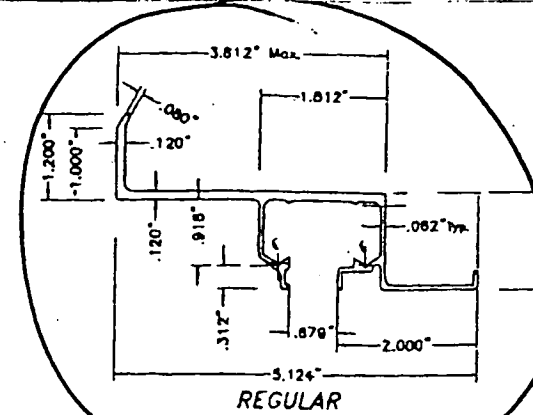


ALTERNATE

(A) SILL-WALL MOUNT.

(INVERTED USE)

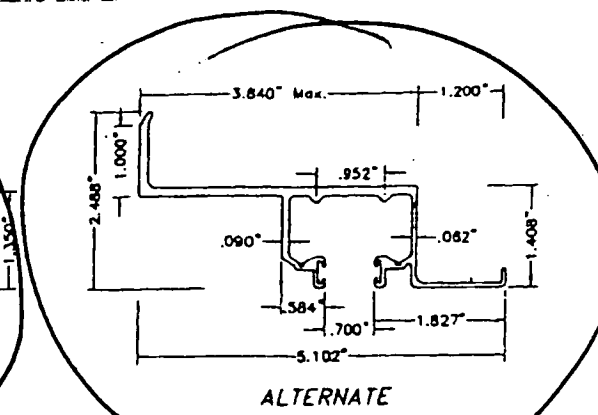
SCALE: 3/8" = 1"



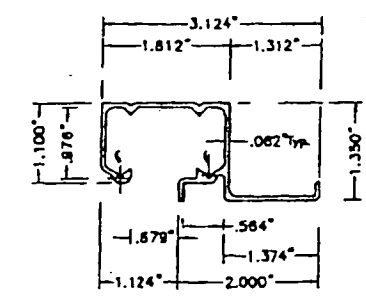
REGULAR

(A) HEADERS-WALL MOUNT.

SCALE: 3/8" = 1"



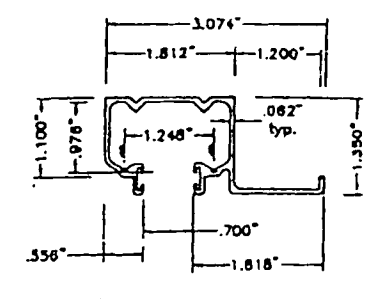
ALTERNATE



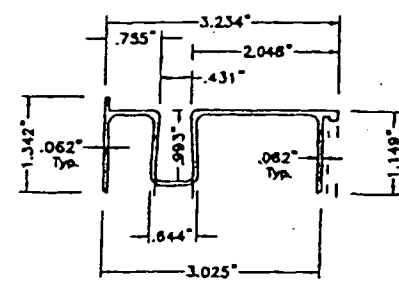
REGULAR

(B) HEADER CEILING MOUNT.

SCALE: 3/8" = 1"

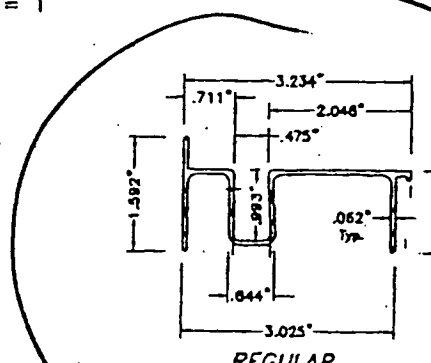


ALTERNATE



(C) SILL

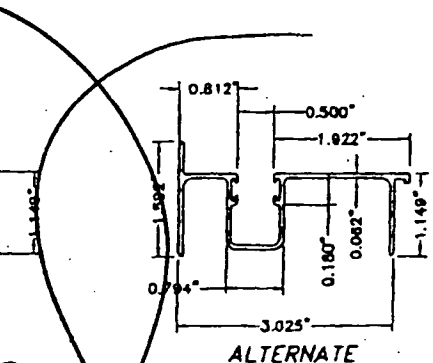
SCALE: 3/8" = 1"



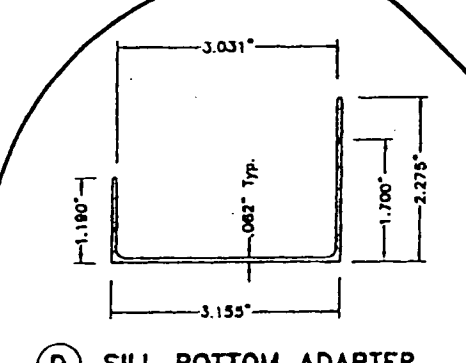
REGULAR

(C) SILL

SCALE: 3/8" = 1"

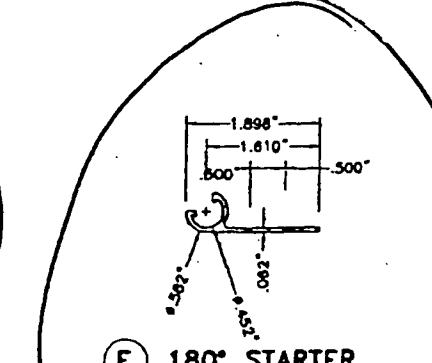


ALTERNATE



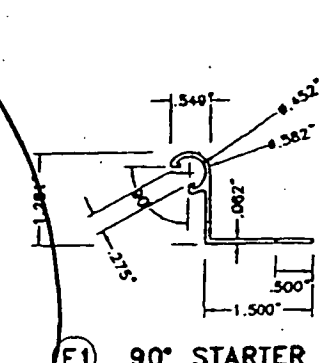
(D) SILL BOTTOM ADAPTER

SCALE: 3/8" = 1"



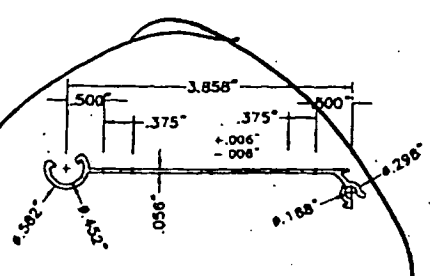
(E) 180° STARTER

SCALE: 3/8" = 1"



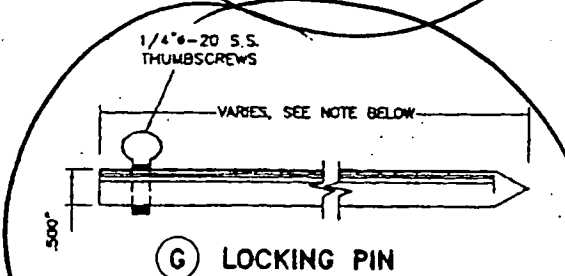
(E) 90° STARTER

SCALE: 3/8" = 1"



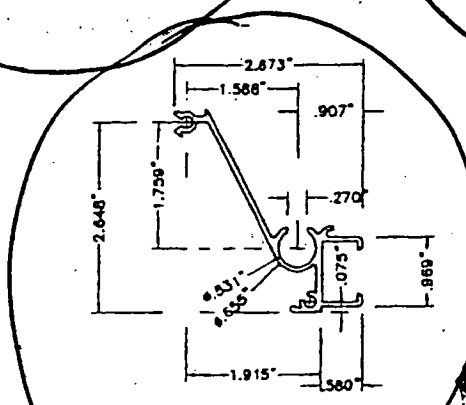
(F) LOUVER BLADE

SCALE: 3/8" = 1"
COVERED UNDER US PATENT # 545879



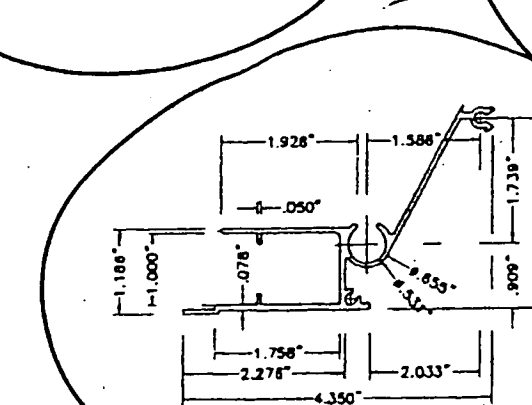
(G) LOCKING PIN

SCALE: 3/8" = 1"
6" Min. FOR UP TO 4'-6" SHUTTER BLADE LENGTHS, 12" Min. FOR GREATER THAN 4'-6" UP TO 9'-0" SHUTTER BLADE LENGTHS AND 24" Min. FOR SHUTTER BLADE LENGTHS GREATER THAN 9'-0".



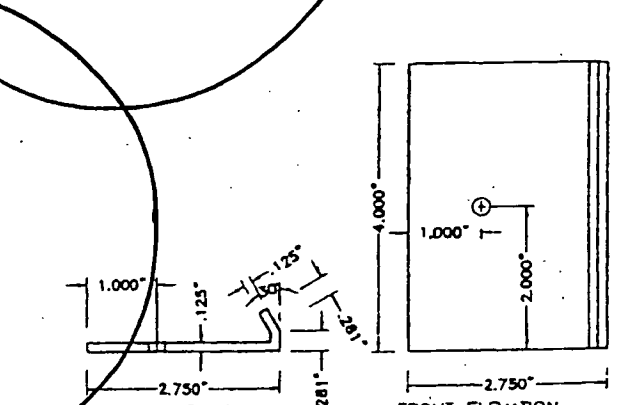
(H) MALE LOCK SLAT

SCALE: 3/8" = 1"



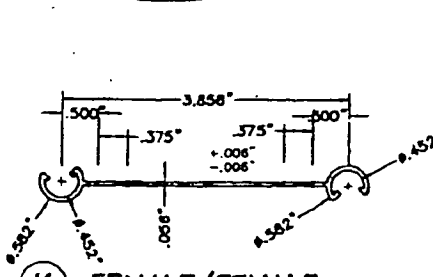
(I) FEMALE LOCK SLAT

SCALE: 3/8" = 1"



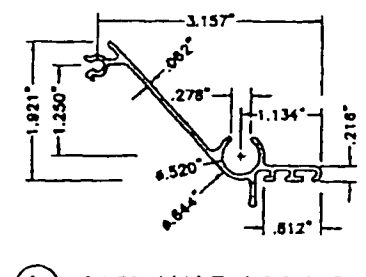
(J) LOCKER

SCALE: 3/8" = 1"



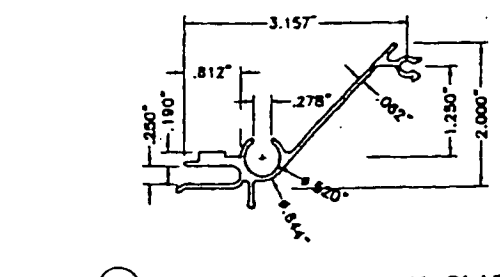
(K) FEMALE/FEMALE

ECONO BLADE
SCALE: 3/8" = 1"



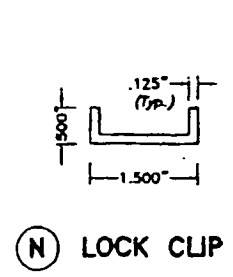
(L) 110° MALE LOCK SLAT

SCALE: 3/8" = 1"



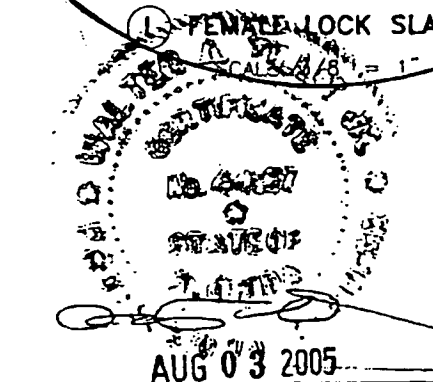
(M) 110° FEMALE LOCK SLAT

SCALE: 3/8" = 1"



(N) LOCK CLIP

4" LONG
SCALE: 3/8" = 1"



COMPONENTS

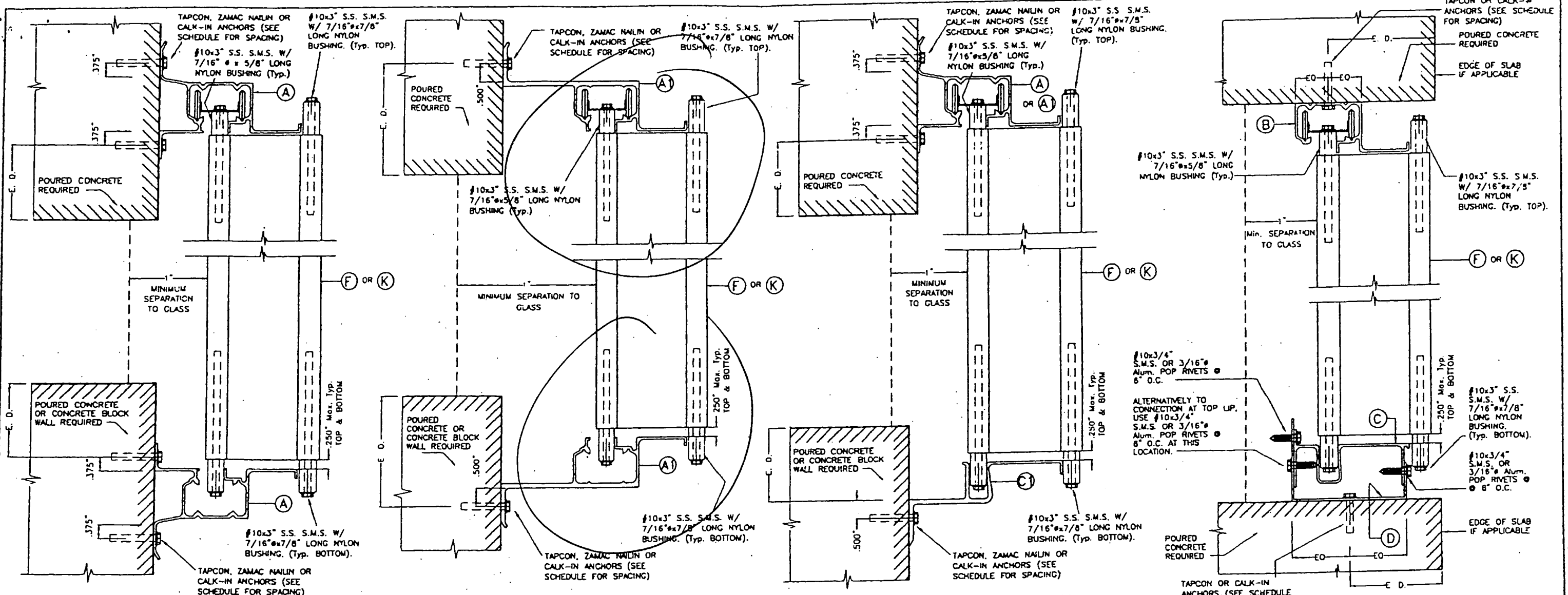
TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 34th St., Ste. 305, VIRGINA GARDENS, FLORIDA 33198
Phone: (305) 971-1330 Fax: (305) 971-1331
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44167

F.B.C. (Non High Velocity Hurricane Zone)

COMBINATION DRAWING:
ASSA / MID-RISE BERTHA ACCORDION SHUTTER (SHEETS 1 THRU 8 OF 16)
ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER (SHEETS 9 THRU 16 OF 16)

ASSA / MID-RISE BERTHA ACCORDION SHUTTER		AS SHOWN SCALE
AMERICAN SHUTTER SYSTEMS ASSOC., INC.		7/19/05 DATE
4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407		05-20B DRAWING No
REV. NO	DESCRIPTION	DATE
1	OLD 02-052	7/19/05
2		

SHEET 1A OF 16



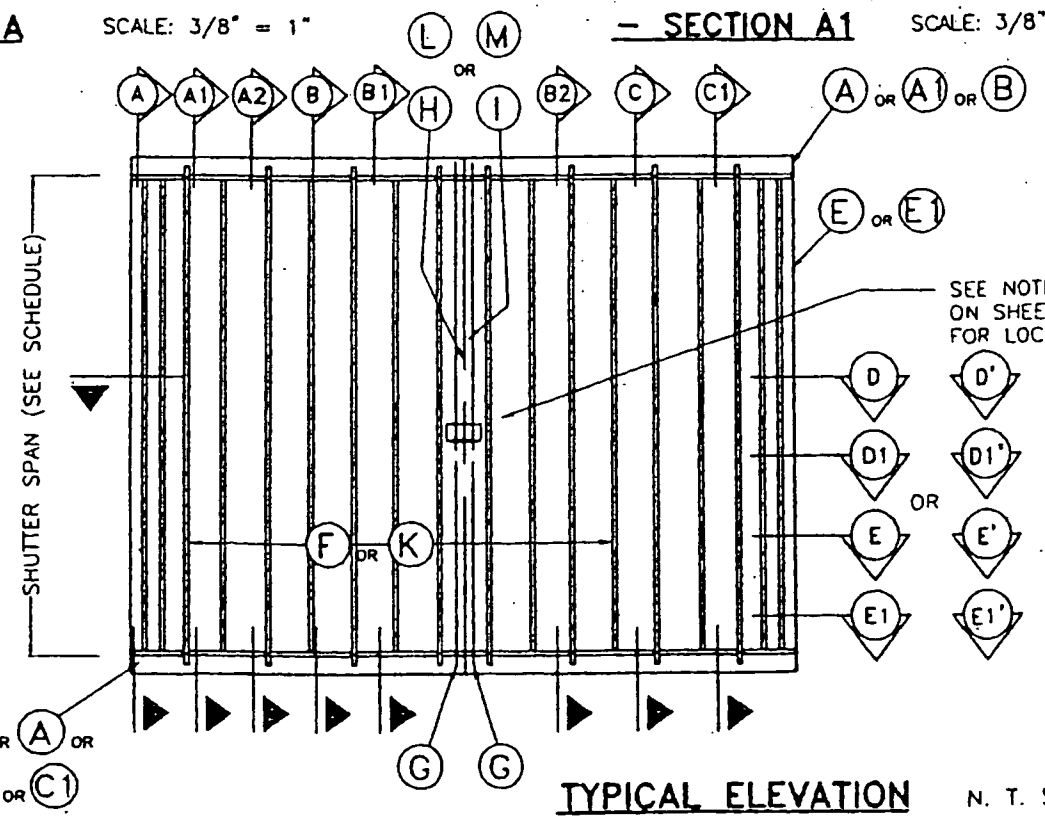
WALL MOUNTING INSTALLATION
- SECTION A SCALE: 3/8" = 1"

WALL MOUNTING INSTALLATION
- SECTION A1 SCALE: 3/8" = 1"

WALL MOUNTING INSTALLATION
- SECTION A2 SCALE: 3/8" = 1"

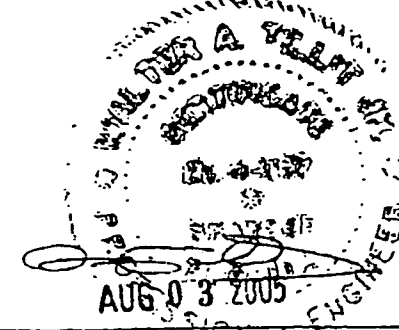
CEILING & FLOOR MOUNTING INSTALLATION
- SECTION B SCALE: 3/8" = 1"

INSTALLATION DETAILS



TYPICAL ELEVATION N. T. S.

E. D = EDGE DISTANCE
(SEE SCHEDULE ON SHEET 8 OF 16)



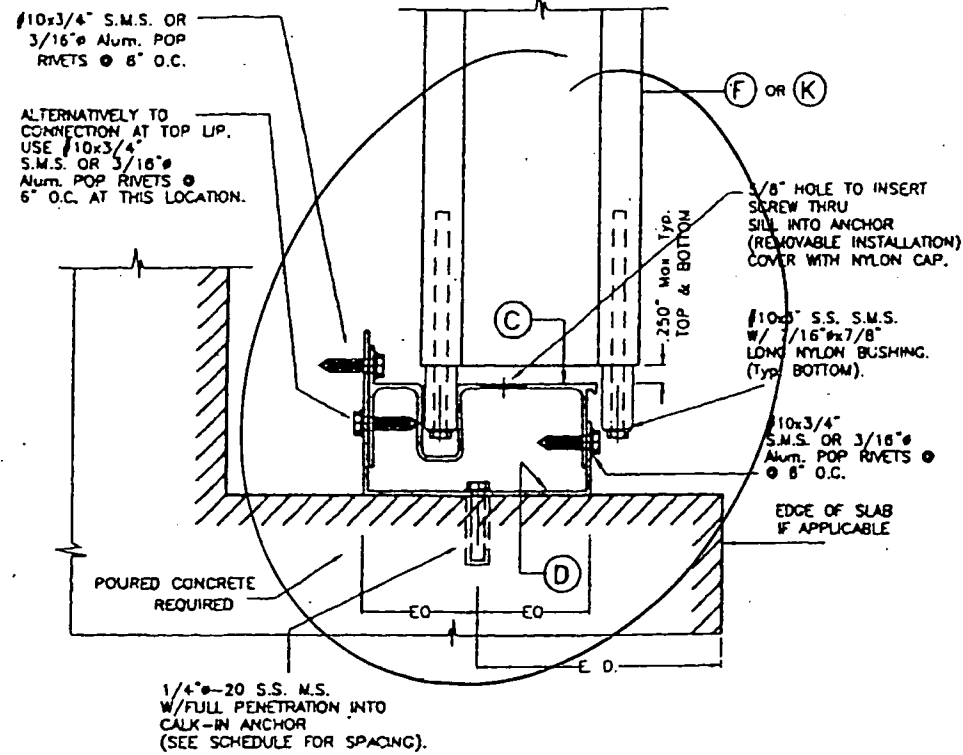
TILECO INC.
TILIT TESTING & ENGINEERING COMPANY
4255 N.W. 36th St., Box 305, Virginia Gardens, Florida 33146
Phone: (305) 871-1230 Fax: (305) 871-1231
EB-0008719
WALTER A. TILIT Jr., P. E.
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F.B.C. (Non High Velocity Hurricane Zone)

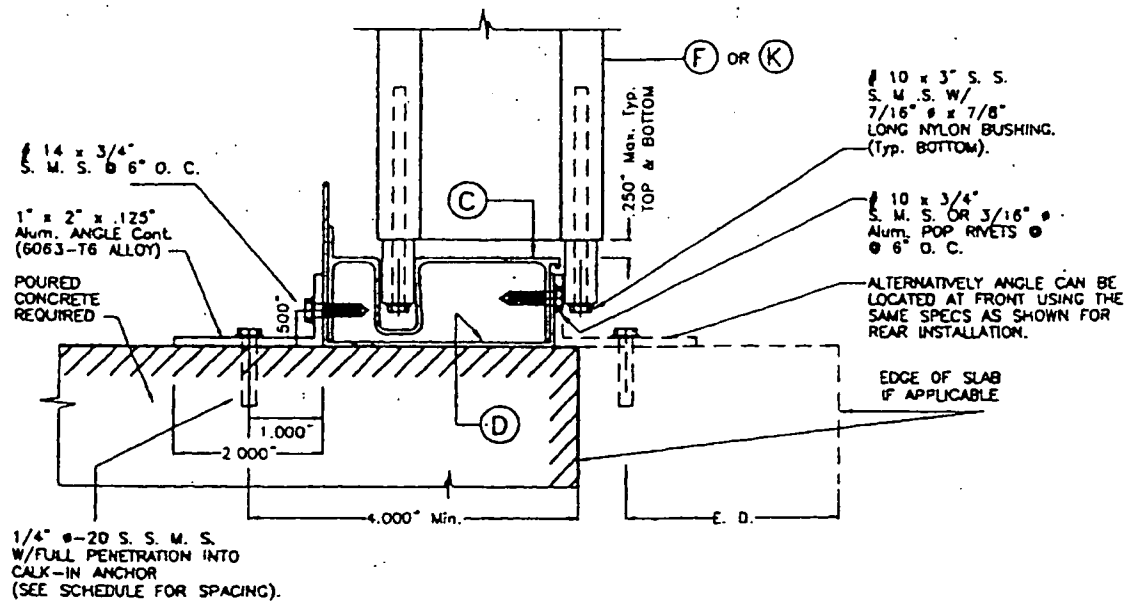
COMBINATION DRAWING:
ASSA / MID-RISE BERTHA ACCORDION SHUTTER (SHEETS 1 THRU 8 OF 16)
ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER (SHEETS 9 THRU 16 OF 16)

ASSA / MID-RISE BERTHA ACCORDION SHUTTER		AS SHOWN SCALE
AMERICAN SHUTTER SYSTEMS ASSOC., INC.		7/18/05 DATE
4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407		05-208 DRAWING No
REV. NO	DESCRIPTION	DATE
1	OLD 02-052	7/18/05
2		

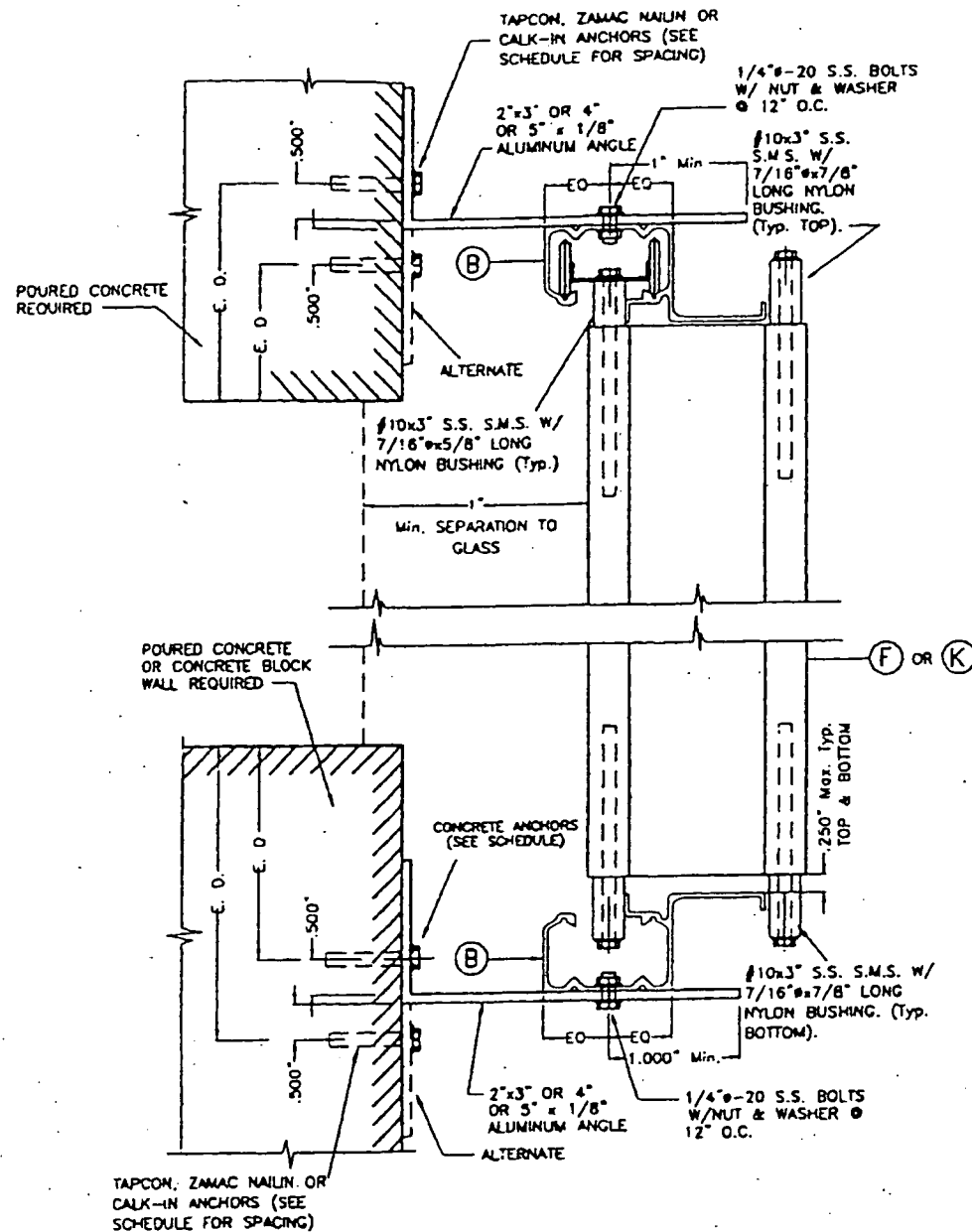
SHEET 2 OF 16



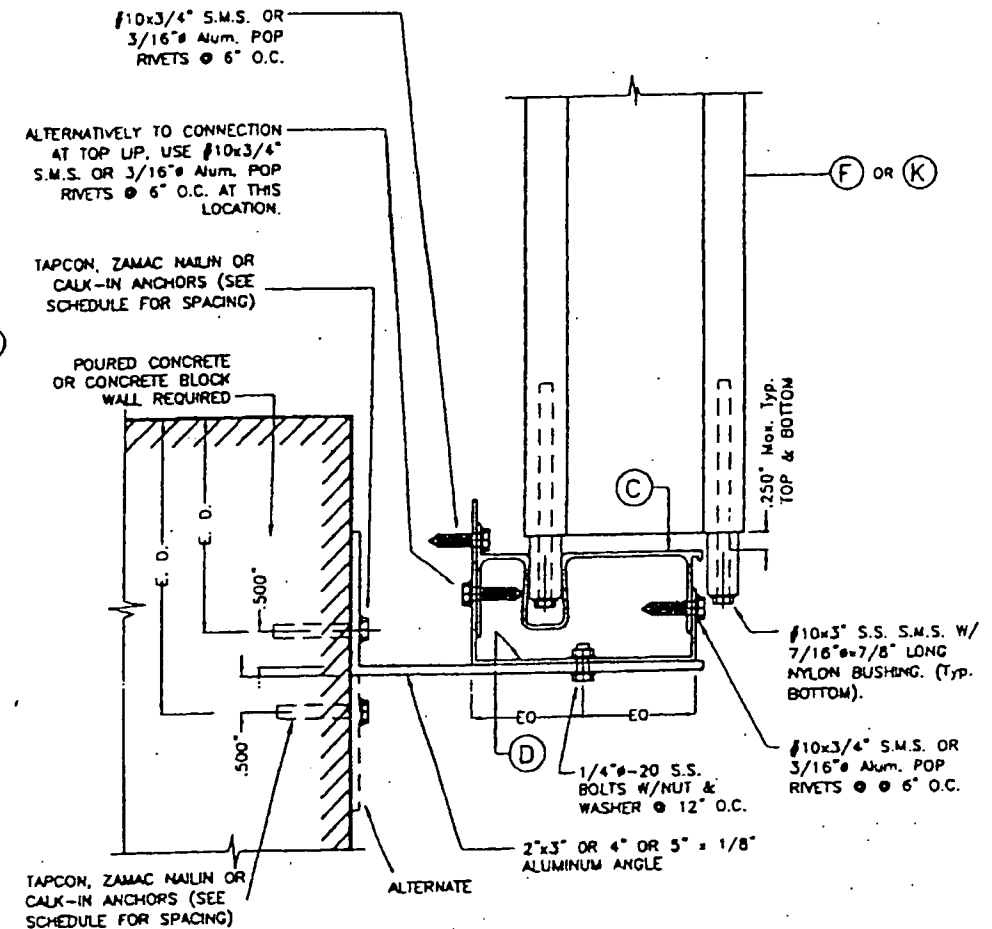
REMOVABLE FLOOR MOUNTING INSTALLATION
- SECTION B1 SCALE: 3/8" = 1"



REMOVABLE FLOOR MOUNTING INSTALLATION
- SECTION B2 SCALE: 3/8" = 1"



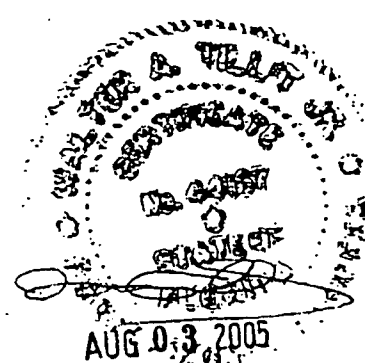
WALL MOUNTING INSTALLATION (OFFSET)
- SECTION C SCALE: 3/8" = 1"



WALL MOUNTING INSTALLATION (OFFSET)
- SECTION C1 SCALE: 3/8" = 1"

E. D. = EDGE DISTANCE
 (SEE SCHEDULE
 ON SHEET 8 OF 16)

INSTALLATION DETAILS



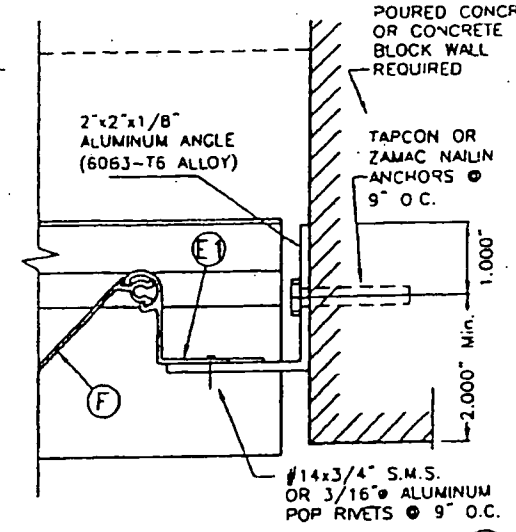
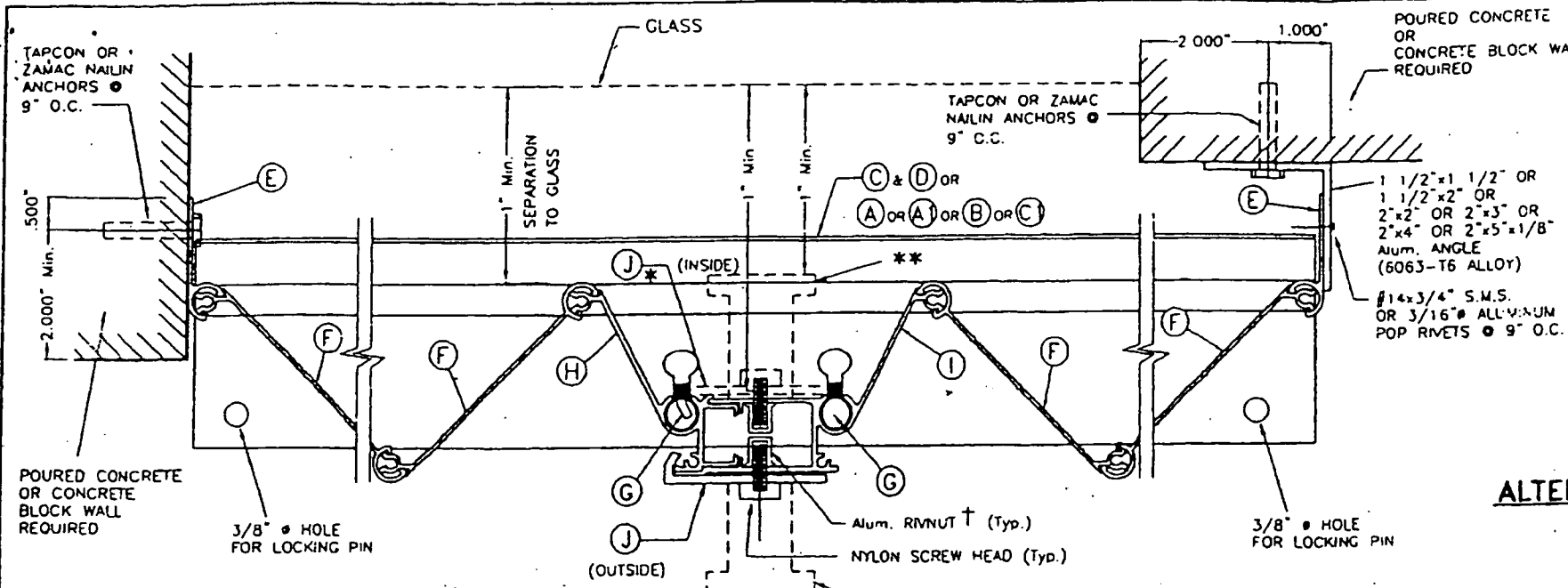
TILTECO INC.
 TILIT TESTING & ENGINEERING COMPANY
 6155 N.W. 38th St., Ste. 305, VICTORIA GARDENS, FLORIDA 33108
 Phone: (305)871-1330 Fax: (305)871-1531
 EB-0008719
 WALTER A. TILIT Jr., P. E.
 FLORIDA Lic. # 44167

F.B.C. (Non High Velocity Hurricane Zone)

COMBINATION DRAWING:
 ASSA / MID-RISE BERTHA ACCORDION SHUTTER (SHEETS 1 THRU 8 OF 16)
 ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER (SHEETS 9 THRU 16 OF 16)

ASSA / MID-RISE BERTHA ACCORDION SHUTTER	AS SHOWN SCALE
	7/18/05 DATE
	05-208 DRAWING No
	SHEET 3 OF 18

REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 02-052	7/18/05	2		
2			3		

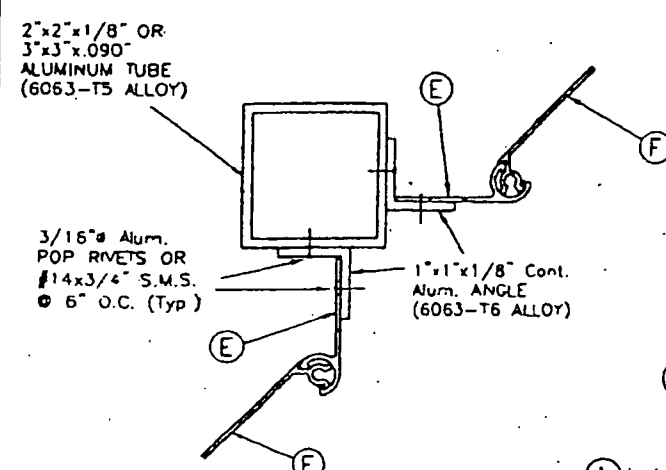


NOTES ON LOCKS

- INSIDE OR OUTSIDE LOCKER (J) SHALL ALWAYS BE USED FOR ANY SPAN AT INSTALLATIONS WITHIN THE FIRST 30 FEET OF BUILDING, AND FOR SHUTTER SPANS GREATER THAN 8'-0", FOR INSTALLATIONS ABOVE 30 FEET ELEVATION OF BUILDING MEASURED AT BOTTOM OF SHUTTER. LOCKER (J) SHALL BE ATTACHED TO (H) & (I) W/ 1/4" Ø-20 x 1" LONG S.S. THREADED BOLT W 1/4" -20 x 5/8" INTERNALLY THREADED ALUMINUM RIVNUT. SEE INSTALLATION DETAIL ON THIS SHEET.
- ** FOR INSTALLATIONS AT ANY ELEVATION OF BUILDING AND IN ADDITION TO (J) USED LOCKERS, A REGULAR T LOCK MAY BE USED FOR SECURITY PURPOSES AT ANY DESIRED LOCATION OF CENTERLINE (INSIDE OR OUTSIDE). WHEN USED INSIDE, MINIMUM SEPARATION TO GLASS SHALL ALSO BE VERIFIED FROM THE TIP OF SUCH T LOCK OR FROM THE OTHER SHUTTER COMPONENTS SHOWN ON SECTION D (WHICHEVER IS MORE CRITICAL).
- †: SERIES 9444 ALUMINUM (2024-T3 ALLOY) LARGE FLANGE THIN SHEET NUTSERT, PART # 0820, AS MANUFACTURED BY AVDEL CHERRY TEXTORN, PARSIPPANY, NEW JERSEY 07054 OR EQUAL

ALTERNATE CLOSURE DETAIL W/ (E)

SCALE: 3/8" = 1"



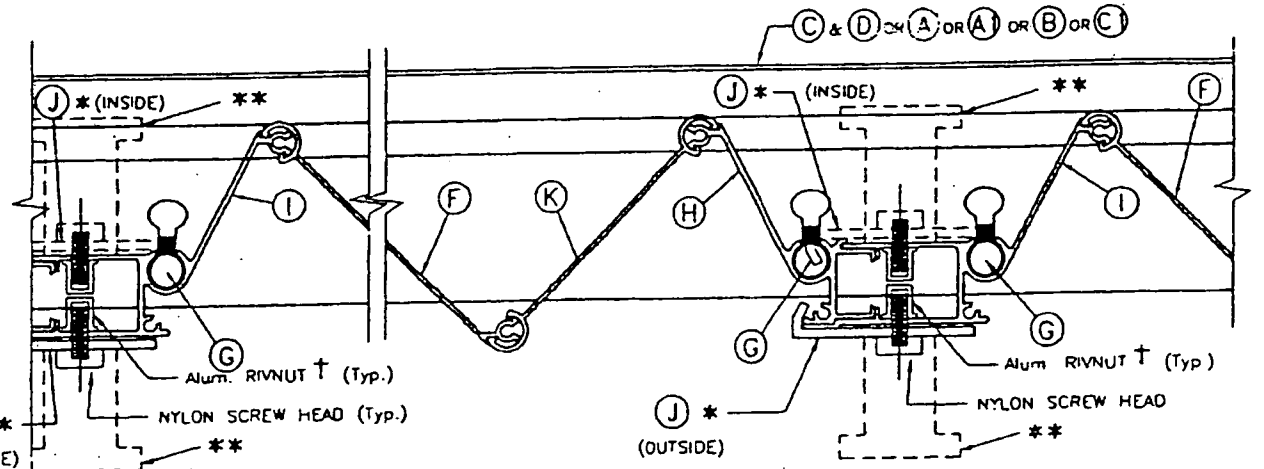
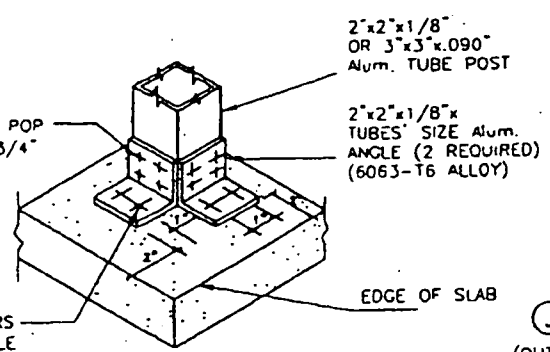
SECTION E

SCALE: 3/8" = 1"

SECTION D

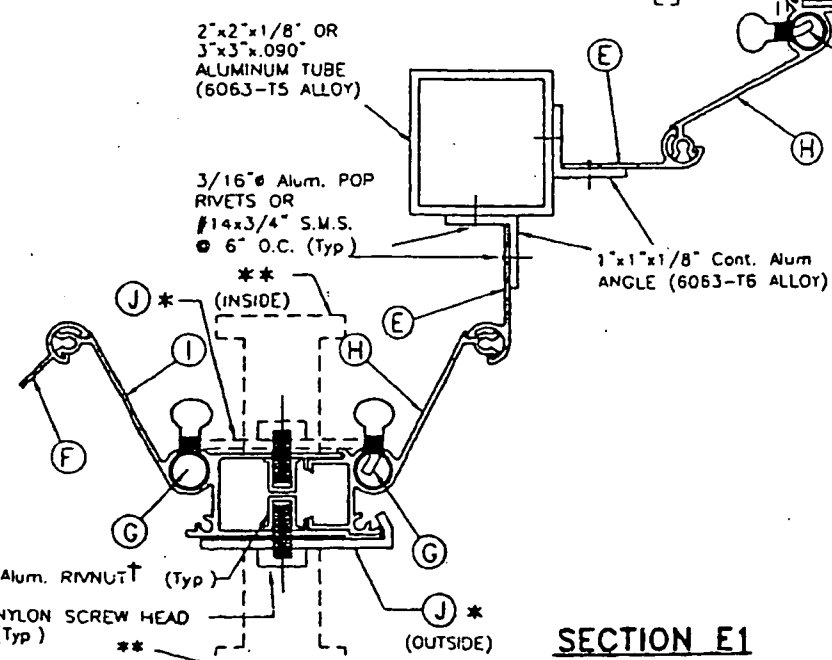
NOTE: SEE NOTES ON LOCKS ON THIS SHEET, VALID ALSO FOR SECTION E1 AND ONE SIDED SHUTTER

SCALE: 3/8" = 1"



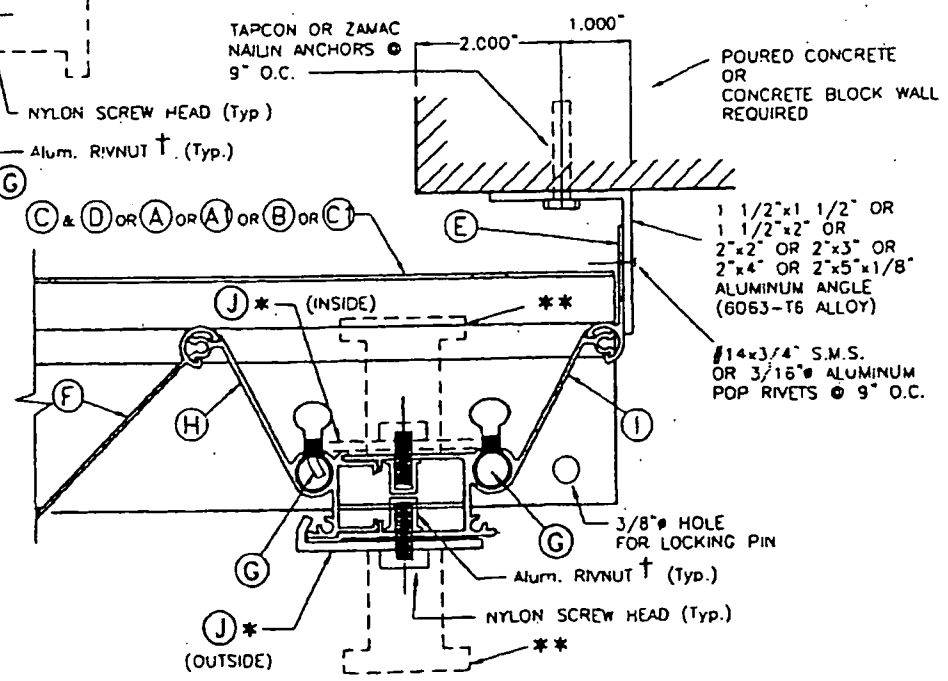
SECTION D1 (MULTIPLE SHUTTERS)

SCALE: 3/8" = 1"



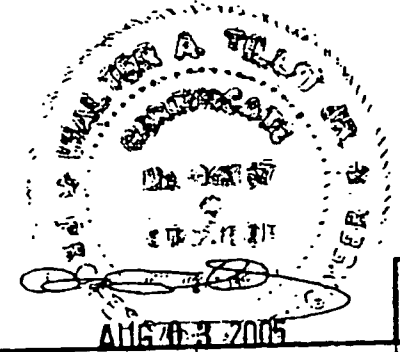
SECTION E1

SCALE: 3/8" = 1"



ONE SIDED SHUTTER: END CONNECTION DETAIL

SCALE: 3/8" = 1"

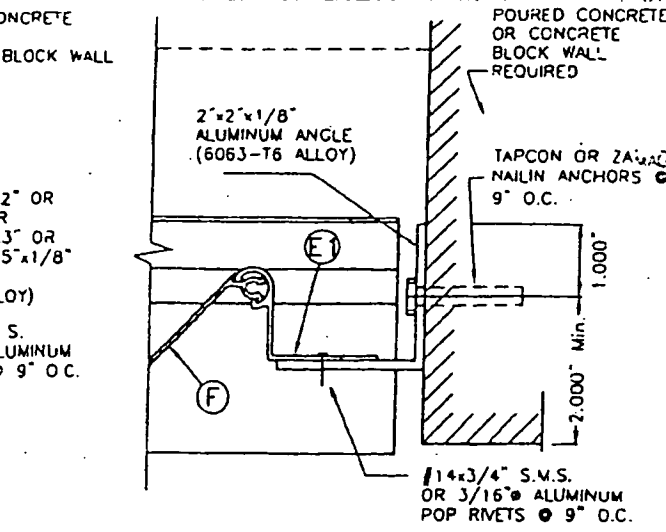
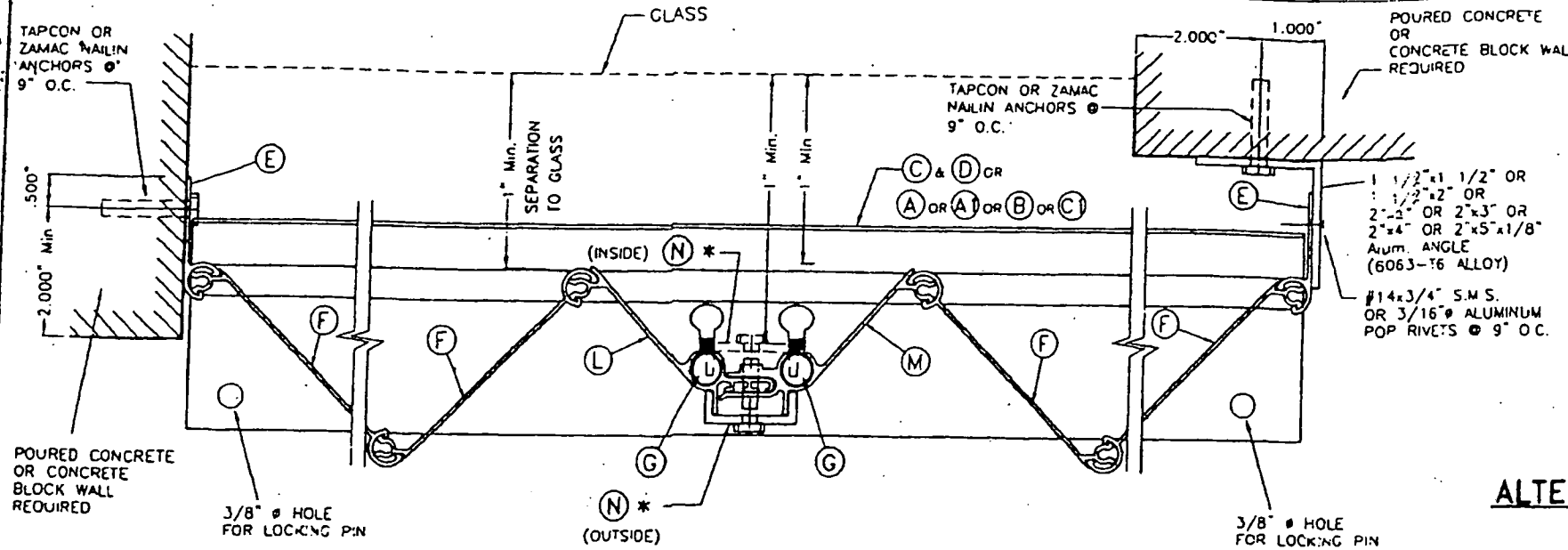


TILCO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6355 N.W. 38th St., 305 VIRGINIA CHURCHES, FLORIDA 33148
 Phone: (305) 871-1330 Fax: (305) 871-1331
 EB-0006719
 WALTER A. TILLIT JR., P. E.
 FLORIDA Lic. # 44167

F.B.C. (Non High Velocity Hurricane Zone)

COMBINATION DRAWING:
 ASSA / MID-RISE BERTHA ACCORDION SHUTTER (SHEETS 1 THRU 8 OF 16)
 ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER (SHEETS 9 THRU 16 OF 16)

ASSA / MID-RISE BERTHA ACCORDION SHUTTER		AS SHOWN SCALE
AMERICAN SHUTTER SYSTEMS ASSOC., INC.		7/19/05 DATE
4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407		05-208 DRAWING No
REV. NO	DESCRIPTION	DATE
1	OLD 02-032	7/19/05
2		
3		
		SHEET 4 OF 16



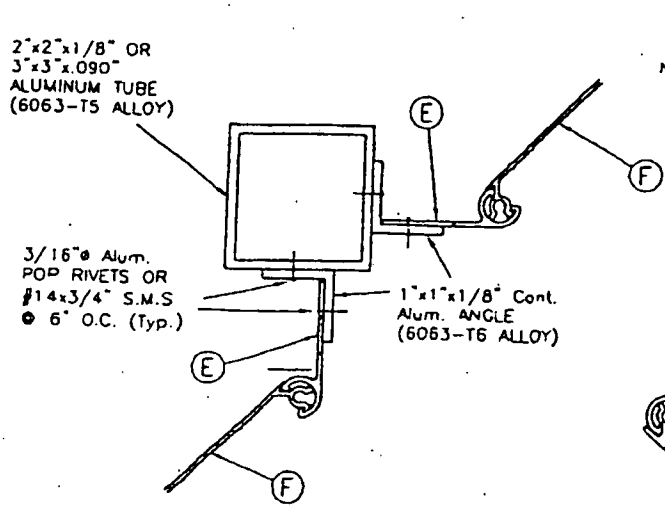
NOTES ON LOCKS, APPLICABLE TO LOCK DETAILS SHOWN ON THIS SHEET

* CENTERMATES (L) & (M) SHALL ALWAYS BE LOCKED TOGETHER BY USING LOCK CLIP (N) INSTALLED FROM THE OUTSIDE OF SHUTTER W/ 1/4" #20 x 1" S.S. SIDEWALK BOLT AS SHOWN ON SECTIONS D', D1', E', E1' & ONE SIDED SHUTTER. BOLT SHALL PENETRATE (N) LOCK CLIP, AS WELL AS (L) & (M) ENTIRELY.

** CENTERMATES (L) & (M) SHALL ALWAYS BE LOCKED BY USING LOCK CLIP (N) INSTALLED FROM THE INSIDE OF SHUTTER W/ 1/4" #20 x 1" S.S. SIDEWALK BOLT AS SHOWN ON SECTIONS D', D1', E', E1' AND ONE SIDED SHUTTER. BOLT SHALL PENETRATE (N) LOCK CLIP, AS WELL AS (L) & (M) ENTIRELY. LOCK CLIP (N) 1/2" FLANGES SHALL FIT ENTIRELY INTO (L) & (M) LOCKING PIN GROOVES BEFORE SIDEWALK BOLT IS TIGHTENED.

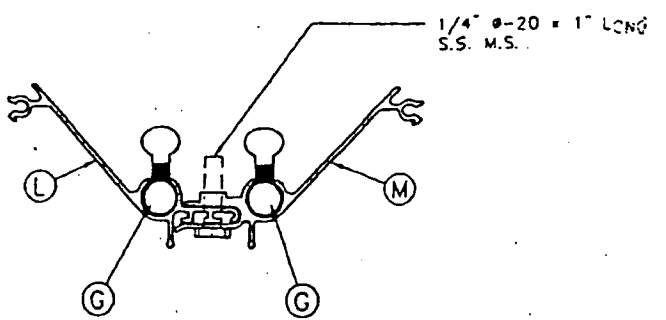
*** ALTERNATIVELY TO USING (N) LOCK CLIP, CENTERMATES (L) & (M) SHALL ALWAYS BE LOCKED BY INSTALLING A 1/4" #20 x 1" S.S. SIDEWALK BOLT DIRECTLY THRU BOTH CENTERMATES. FOR THIS PURPOSE, (L) & (M) CENTERMATES SHALL BE PRE-DRILLED AT THE BOLT LOCATION AS WELL AS TAPPED THRU IN ORDER TO ACCEPT THE 1/4" #20 SIDEWALK BOLT. THIS BOLT MAY BE INSTALLED FROM EITHER THE FRONT OR REAR OF SHUTTER.

ALTERNATE CLOSURE DETAIL W/ E1
SCALE: 3/8" = 1"

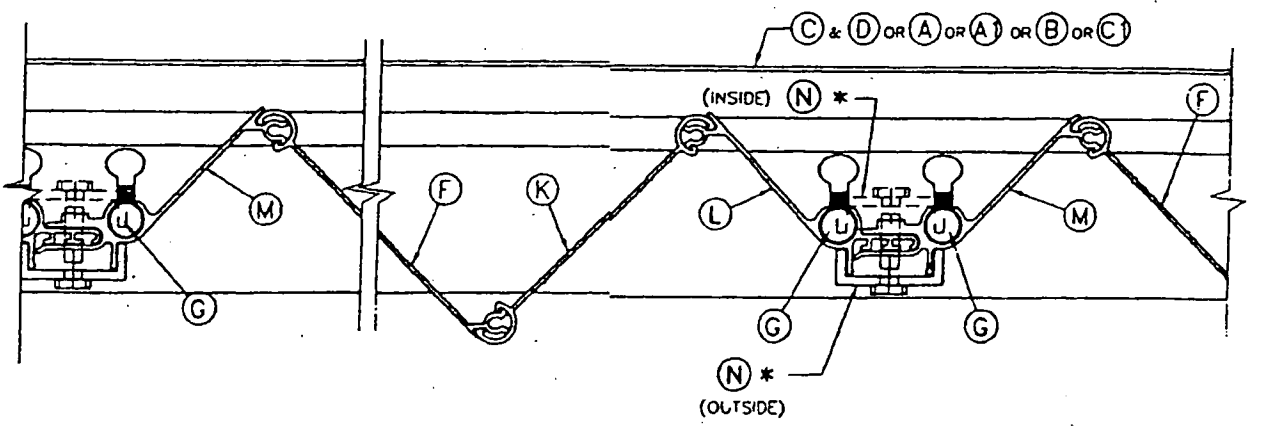


SECTION E'
SCALE: 3/8" = 1"

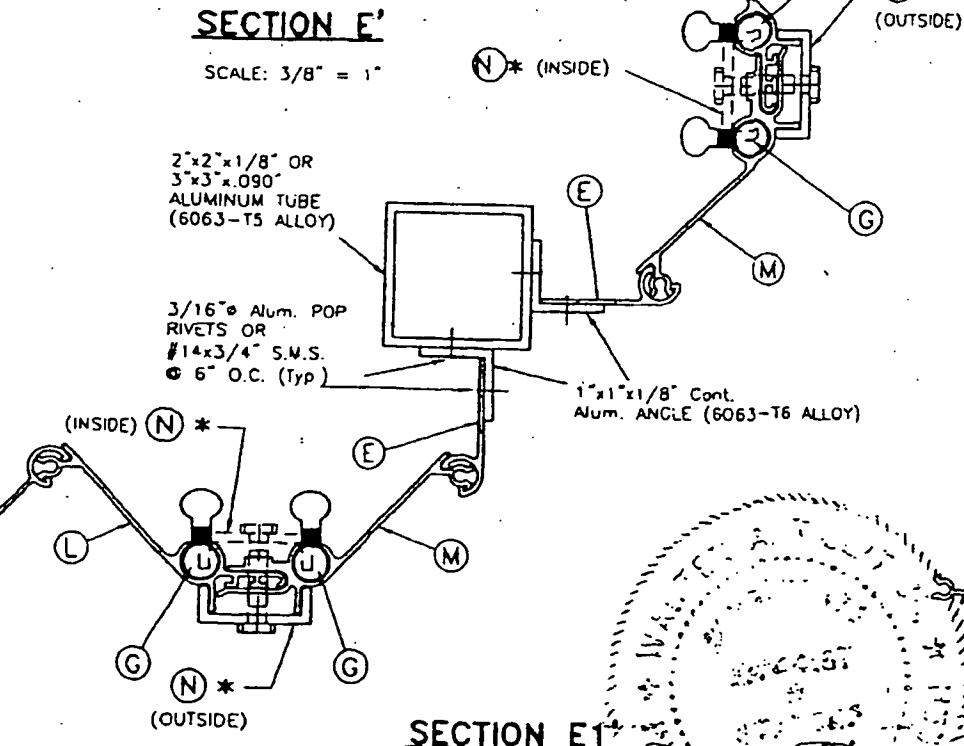
SECTION D'
NOTE SEE NOTES ON LOCKS ON THIS SHEET. VALID ALSO FOR SECTION D1' E1' AND ONE SIDED SHUTTER.
SCALE: 3/8" = 1"



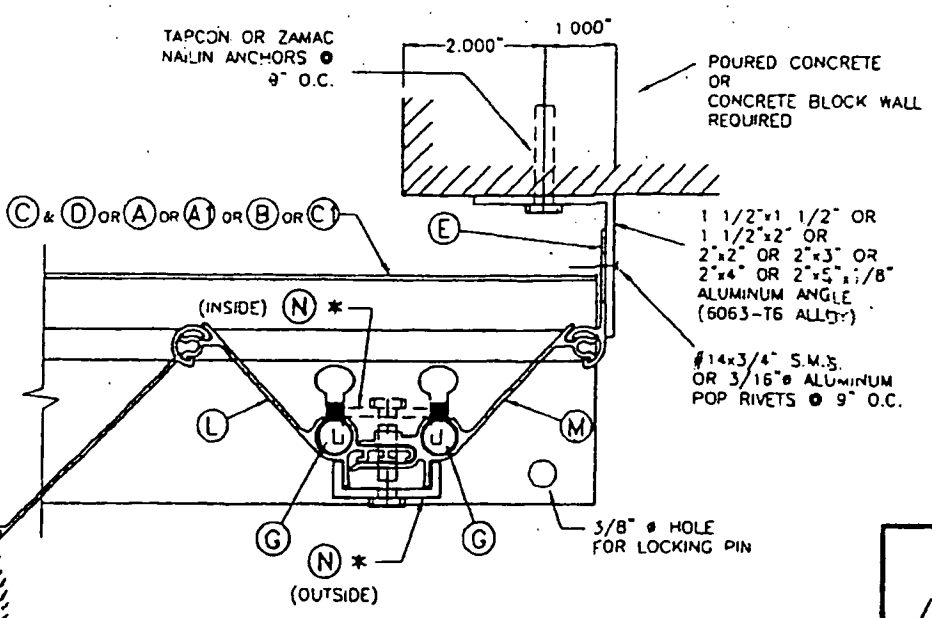
SECTION D' W/O (N) ***
SCALE: 3/8" = 1"



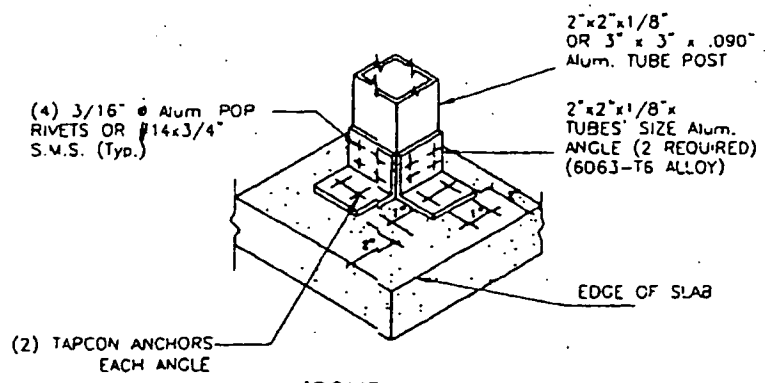
SECTION D1' (MULTIPLE SHUTTERS)
SCALE: 3/8" = 1"



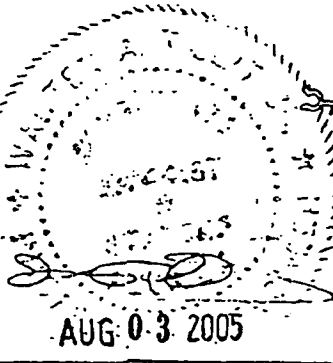
SECTION E1'
SCALE: 3/8" = 1"



ONE SIDED SHUTTER: END CONNECTION DETAIL
SCALE: 3/8" = 1"



ISOMETRIC (CORNER POST) & BOTTOM SLABS
(Typ. AT TOP & BOTTOM SLABS)
F.B.C. (Non High Velocity Hurricane Zone)

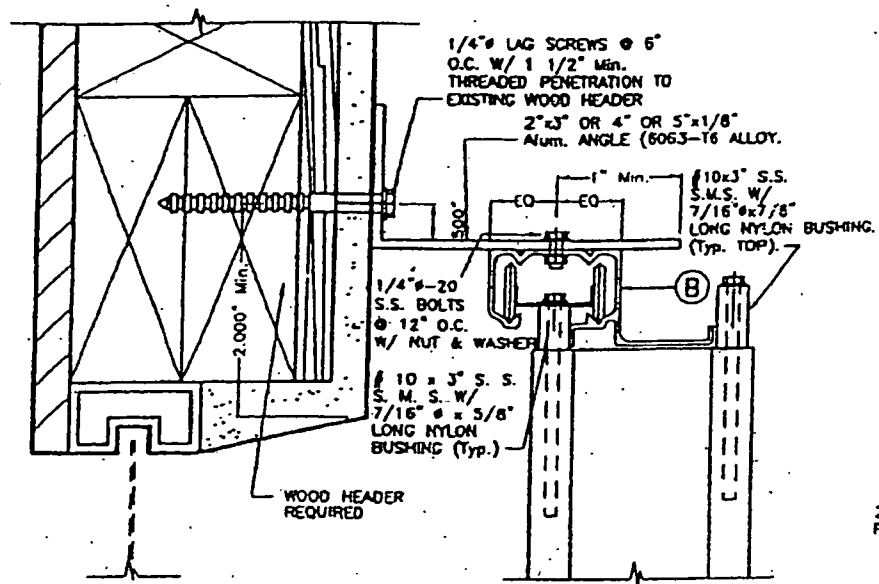


TILECO INC.
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EB-0006719
WALTER A. TILIT Jr., P. E.
FLORIDA Lic. # 44187

COMBINATION DRAWING: ASSA / MID-RISE BERTHA ACCORDION SHUTTER (SHEETS 1 THRU 8 OF 16) ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER (SHEETS 9 THRU 16 OF 16)					
ASSA / MID-RISE BERTHA ACCORDION SHUTTER					AS SHOWN SCALE
AMERICAN SHUTTER SYSTEMS ASSOC., INC.					7/19/05 DATE
4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407					05-208 DRAWING No
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 02-002	7/19/05	2	-	-
2	-	-	3	-	-
					SHEET 5 OF 16

NOTES:

- INSTALLATIONS ARE ONLY VALID FOR BUILDINGS WITH DESIGN LOADS UP TO 75.3 p.s.f. AND 9'-0" MAX. SHUTTER SPAN OR DESIGN LOADS UP TO 50.0 p.s.f. AND 12'-0" MAX. SHUTTER SPAN.
- FOR WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.



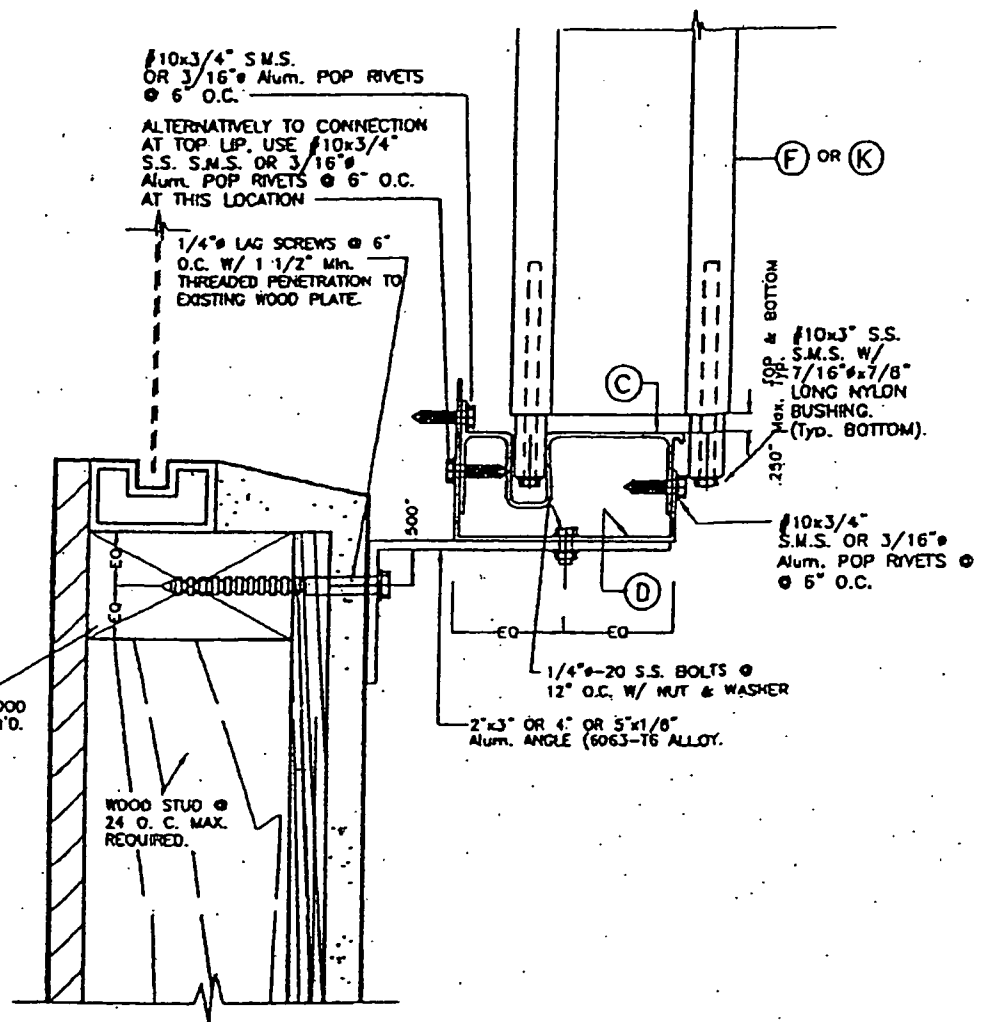
ALTERNATIVE 1

WALL MOUNTING INSTALLATION (OFFSET)

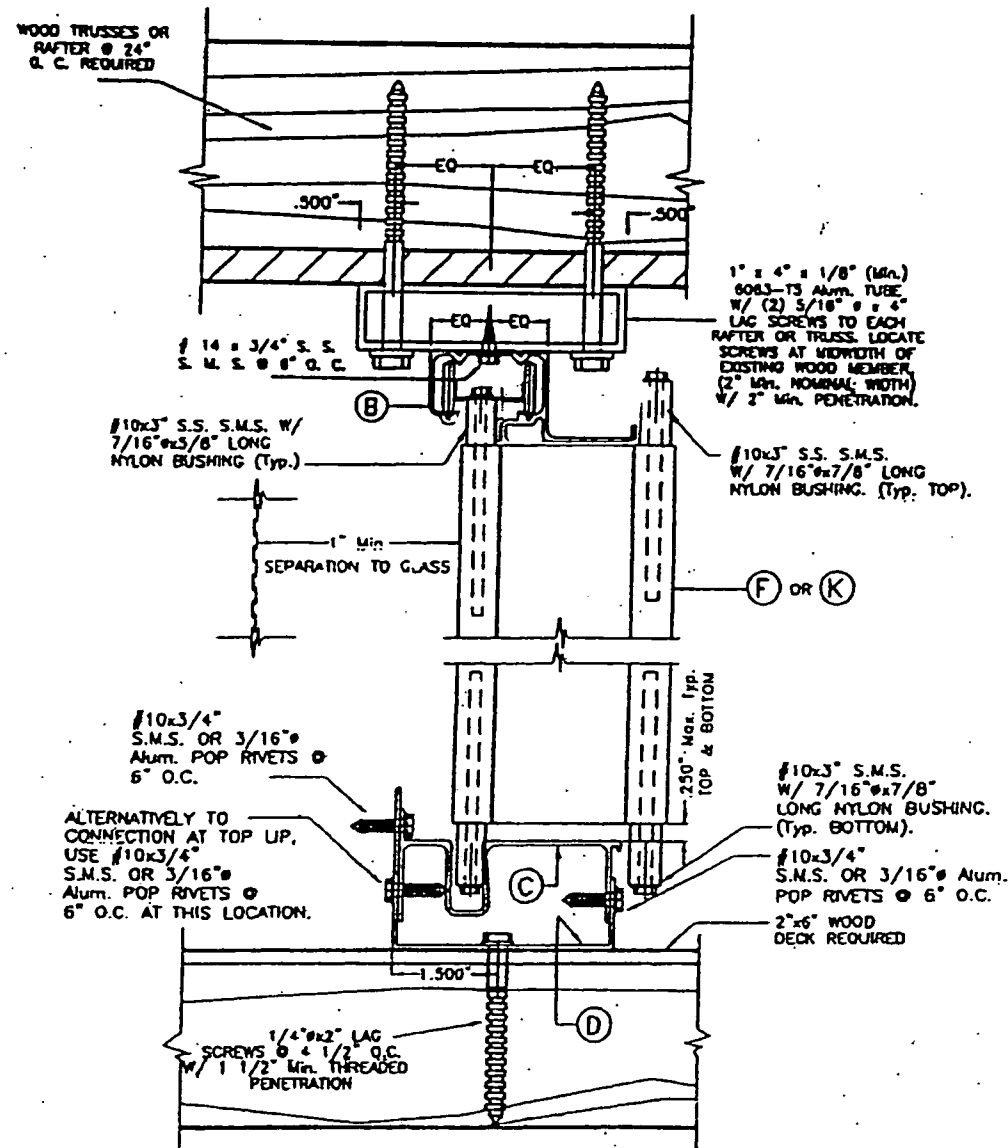
- SECTION A

SCALE: 3/8" = 1"

INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS

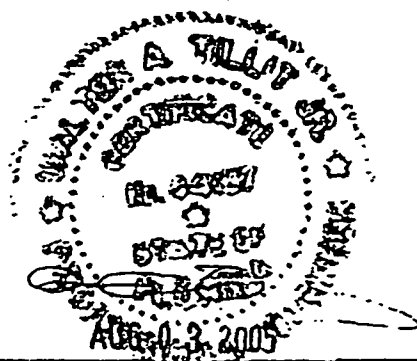


ALTERNATIVE 2



CEILING & FLOOR MOUNTING INSTALLATION - SECTION B

SCALE: 3/8" = 1"



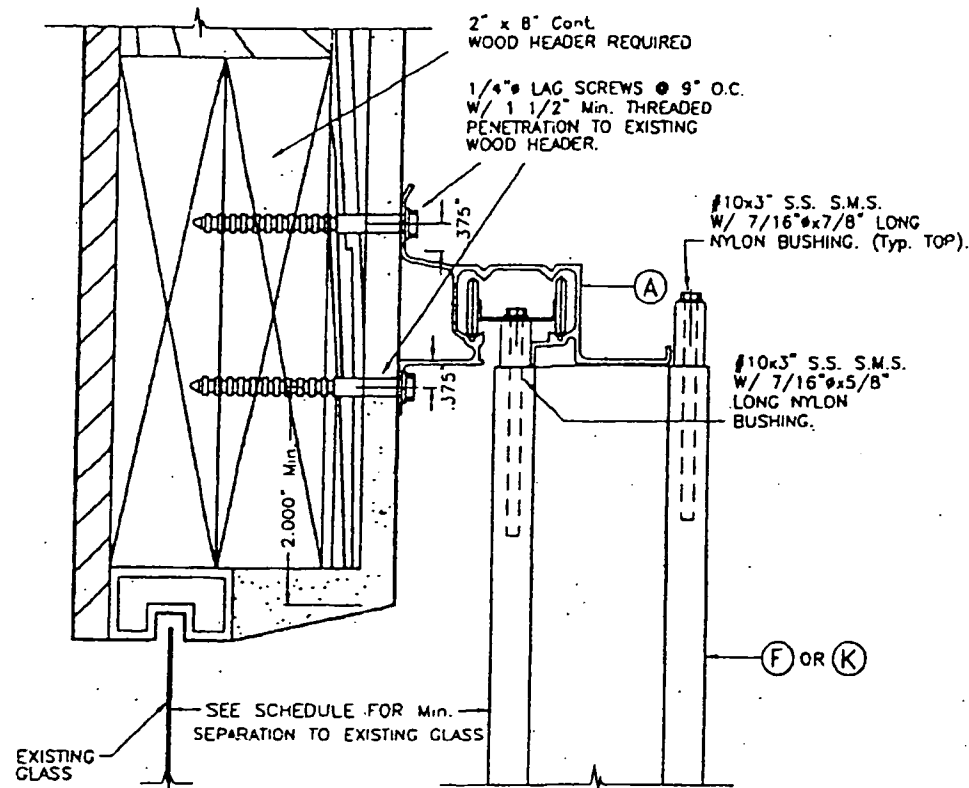
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
4225 N.W. 26th St., Box 305, VERO BEACH, FLORIDA 33464
Phone: (305) 771-1331 Fax: (305) 771-1331
EB-0006719
WALTER A. TILLIT JR., P. E.
FLORIDA LIC. # 44167.

F.B.C. (Non High Velocity Hurricane Zone)

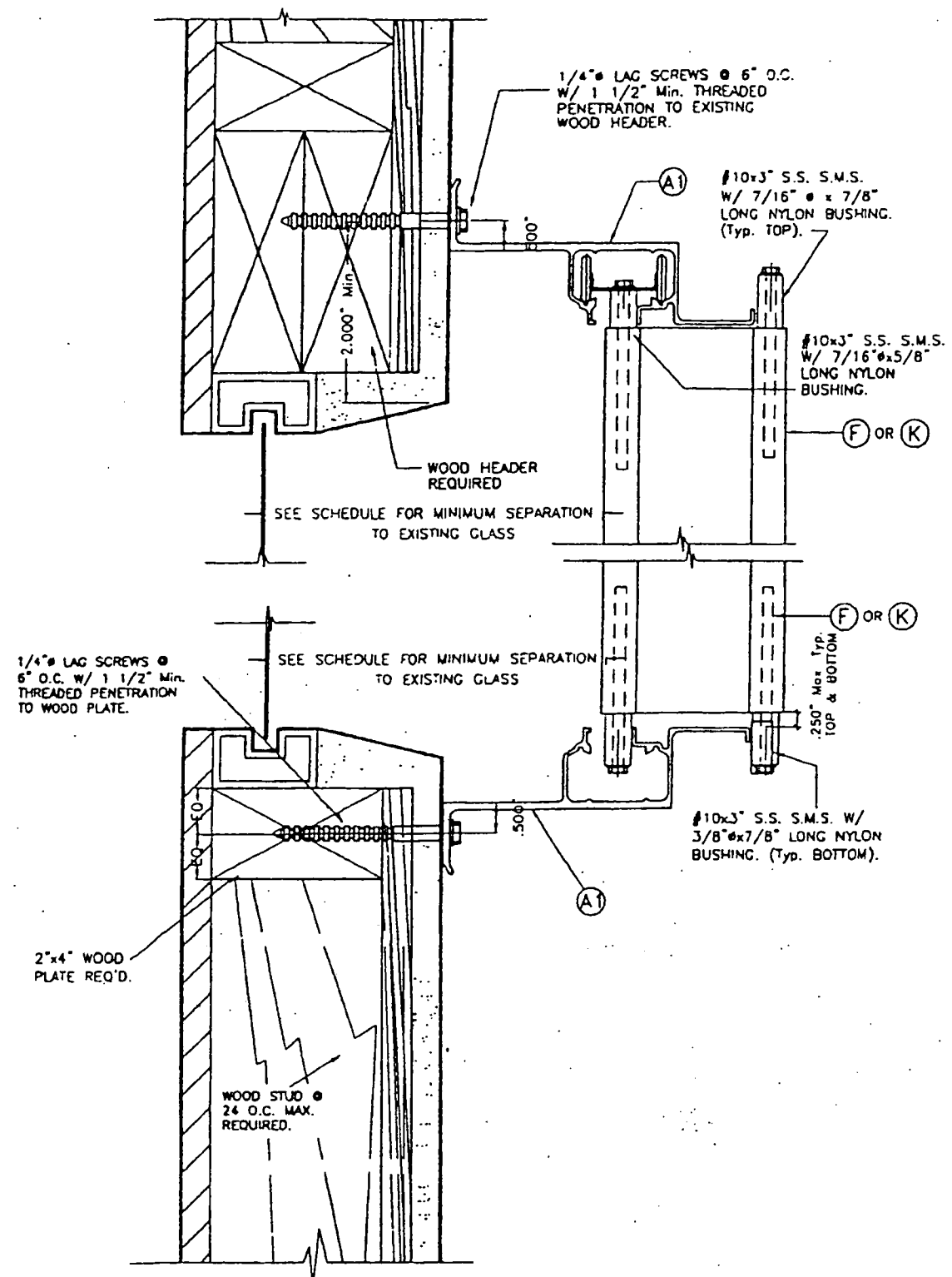
COMBINATION DRAWING:
ASSA / MID-RISE BERTHA ACCORDION SHUTTER (SHEETS 1 THRU 8-OF 16)
ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER (SHEETS 9 THRU 16 OF 16)

ASSA / MID-RISE BERTHA ACCORDION SHUTTER		AS SHOWN SCALE
AMERICAN SHUTTER SYSTEMS ASSOC., INC.		7/19/05 DATE
4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407		05-208 DRAWING No
REV. NO	DESCRIPTION	DATE
1	OLD 01-032	7/19/05
2		

SHEET 6 OF 16



WALL MOUNTING INSTALLATION - SECTION A1
SCALE: 3/8" = 1"



ALTERNATIVE 1

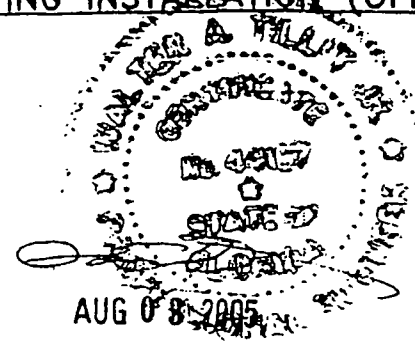
WALL MOUNTING INSTALLATION (OFFSET) - SECTION A2
SCALE: 3/8" = 1"

F.B.C. (Non High Velocity Hurricane Zone)

NOTES:
1. INSTALLATIONS ARE ONLY VALID FOR BUILDINGS WITH DESIGN LOADS UP TO 75.3 p.s.f. AND 9'-0" Max. SHUTTER SPAN OR DESIGN LOADS UP TO 50.0 p.s.f. AND 12'-0" Max. SHUTTER SPAN.
2. FOR WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

NOTE FOR COMBINATION OF SECTIONS:
WALL MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS



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TILLIT TESTING & ENGINEERING COMPANY
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EB-0006719
WALTER A. TILLIT JR., P. E.
FLORIDA Lic. # 44167

COMBINATION DRAWING: ASSA / MID-RISE BERTHA ACCORDION SHUTTER (SHEETS 1 THRU 8 OF 16) ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER (SHEETS 9 THRU 16 OF 16)					
ASSA / MID-RISE BERTHA ACCORDION SHUTTER					AS SHOWN SCALE
AMERICAN SHUTTER SYSTEMS ASSOC., INC.					7/19/05 DATE
4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407					05-208 DRAWING No
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 02-052	7/19/05	3	-	-
2	-	-	4	-	-
					SHEET 7 OF 16

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM SPAN "L" SCHEDULE.

NOTE: DESIGN PRESSURE RATING CORRESPONDS ONLY TO NEGATIVE PRESSURE (SUCTION) LOADS, IN ACCORDANCE WITH SECTION 1609 OF THE FLORIDA BUILDING CODE CRITERIA FOR A GIVEN OPENING. IF NEGATIVE PRESSURE VALUES COMPLY WITH THE REQUIRED PRESSURE FOR THE OPENING, THE POSITIVE PRESSURE WILL AUTOMATICALLY QUALIFY AND NEED NOT TO BE CHECKED.

MAXIMUM DESIGN LOAD "W" (p.s.f.)	MAXIMUM PANEL SPAN (ft.)	MINIMUM SEPARATION TO GLASS (in.)
45.1	12'-0"	1"
47.8	12'-0"	1"
49.0	12'-0"	1"
50.5	12'-0"	1"
52.0	12'-0"	1"
52.4	12'-0"	1"
55.0	11'-10"	1"
55.2	11'-10"	1"
55.6	11'-4"	1"
57.2	11'-4"	1"
58.6	11'-4"	1"
58.8	11'-4"	1"
59.5	11'-4"	1"
59.7	11'-4"	1"
61.5	11'-2"	1"
61.8	11'-1"	1"
61.9	11'-1"	1"
63.4	11'-0"	1"
63.6	11'-0"	1"
63.7	11'-0"	1"
66.9	10'-8"	1"
67.0	10'-8"	1"

MAXIMUM DESIGN LOAD "W" (p.s.f.)	MAXIMUM PANEL SPAN (ft.)	MINIMUM SEPARATION TO GLASS (in.)
67.5	10'-8"	1"
70.1	10'-6"	1"
71.1	10'-5"	1"
71.4	10'-4"	1"
71.5	10'-4"	1"
72.9	10'-3"	1"
75.1	10'-1"	1"
75.2	10'-1"	1"
75.3	10'-1"	1"
77.0	10'-0"	1"
77.5	9'-11"	1"
78.8	9'-10"	1"
80.7	9'-9"	1"
81.5	9'-8"	1"
82.5	9'-8"	1"
83.4	9'-7"	1"
86.2	9'-5"	1"
86.7	9'-5"	1"
86.8	9'-5"	1"
88.5	9'-4"	1"
90.3	9'-3"	1"
90.8	9'-2"	1"

MAXIMUM DESIGN LOAD "W" (p.s.f.)	MAXIMUM PANEL SPAN (ft.)	MINIMUM SEPARATION TO GLASS (in.)
91.4	9'-2"	1"
92.7	9'-1"	1"
93.8	9'-0"	1"
94.8	9'-0"	1"
96.6	8'-11"	1"
96.8	8'-11"	1"
97.7	8'-10"	1"
100.5	8'-9"	1"
101.5	8'-8"	1"
103.7	8'-7"	1"
106.5	8'-6"	1"
108.8	8'-5"	1"
110.6	8'-4"	1"
111.0	8'-4"	1"
114.1	8'-2"	1"
116.5	8'-2"	1"
118.9	8'-1"	1"
117.6	8'-1"	1"
119.7	8'-0"	1"
120.0	8'-0"	1"
121.2	7'-10"	1"
122.5	7'-9"	1"

MAXIMUM DESIGN LOAD "W" (p.s.f.)	MAXIMUM PANEL SPAN (ft.)	MINIMUM SEPARATION TO GLASS (in.)
125.3	7'-7"	1"
125.8	7'-6"	1"
128.7	7'-6"	1"
129.8	7'-4"	1"
130.9	7'-3"	1"
131.6	7'-2"	1"
134.3	7'-1"	1"
136.2	6'-11"	1"
137.9	6'-10"	1"
140.7	6'-9"	1"
142.8	6'-7"	1"
143.5	6'-7"	1"
147.0	6'-5"	1"
148.4	6'-4"	1"
152.8	6'-2"	1"
153.1	6'-2"	1"
156.8	6'-0"	1"
157.5	6'-0"	1"
157.8	6'-0"	1"
160.8	5'-11"	1"
161.7	5'-10"	1"
164.4	5'-9"	1"

MAXIMUM DESIGN LOAD "W" (p.s.f.)	MAXIMUM PANEL SPAN (ft.)	MINIMUM SEPARATION TO GLASS (in.)
165.2	5'-9"	1"
168.1	5'-8"	1"
168.7	5'-7"	1"
170.0	5'-7"	1"
175.6	5'-5"	1"
176.8	5'-4"	1"
180.3	5'-3"	1"
188.0	5'-0"	1"
195.2	4'-10"	1"
197.2	4'-10"	1"
199.1	4'-9"	1"
204.7	4'-7"	1"
211.3	4'-6"	1"
216.9	4'-4"	1"
221.6	4'-3"	1"
226.3	4'-2"	1"

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR SPACING (in.) SCHEDULE. †
(VALID FOR SECTIONS A, A1, A2, B, B1, C & C1 ON SHEET 2 OF 16).

MAXIMUM DESIGN LOAD "W" (p.s.f.)	WALL MOUNTING INSTALLATION AT TOP OR BOTTOM (TO CONCRETE)			WALL MOUNTING INSTALLATION AT TOP OR BOTTOM (TO MASONRY)			FLOOR/CEILING MOUNTING INSTALLATION TOP OR BOTTOM (TO CONCRETE)		
	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3	NOTE 1	NOTE 2	NOTE 3
FROM 45.1 TO 61.8	9"	9"	9"	9"	9"	3 1/2"	9"	8 1/2"	6"
FROM 61.9 TO 75.3	9"	9"	6 1/2"	9"	5 1/2"	-	9"	7"	5 1/2"
FROM 75.4 TO 91.4	9"	7 1/2"	4 1/2"	8"	2 1/2"	-	9"	6"	5"
FROM 91.5 TO 120.0	9"	3 1/2"	3 1/2"	6"	-	-	7 1/2"	4 1/2"	4 1/2"
FROM 120.1 TO 168.1	5 1/2"	3 1/2"	-	-	-	-	5 1/2"	4 1/2"	-
FROM 168.2 TO 226.3	3 1/2"	4 1/2"	-	-	-	-	4 1/2"	4 1/2"	-

ANCHOR SPACING LEGEND

- (1) Max. ANCHOR SPCC. VALID FOR SPANS OF 5'-0" OR LESS.
- (2) Max. ANCHOR SPCC. VALID FOR SPANS GREATER THAN 5'-0" TO 8'-6".
- (3) Max. ANCHOR SPCC. VALID FOR SPANS GREATER THAN 8'-6" TO Max. ALLOWED.

† USE TAPCON ANCHORS, ZAMAC NAILIN & CALK-INS FOR INSTALLATIONS W/ DESIGN LOADS UP TO 75.3 p.s.f.
USE ONLY TAPCON ANCHORS & CALK-INS FOR INSTALLATIONS W/ DESIGN LOADS GREATER THAN 75.3 p.s.f.
MAXIMUM ANCHOR SPACINGS ARE VALID FOR 3" EDGE DISTANCE. FOR E. D. LESS THAN 3", REDUCE ANCHOR SPACING BY MULTIPLYING SPACINGS SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. (NOTE: Min. E. D. FOR CALK-IN ANCHORS IS 2 1/2"). THIS OPERATION SHALL ONLY BE PERFORMED WHEN REQUIRED SPACING RESULTS INTO A MINIMUM OF 3" O.C.

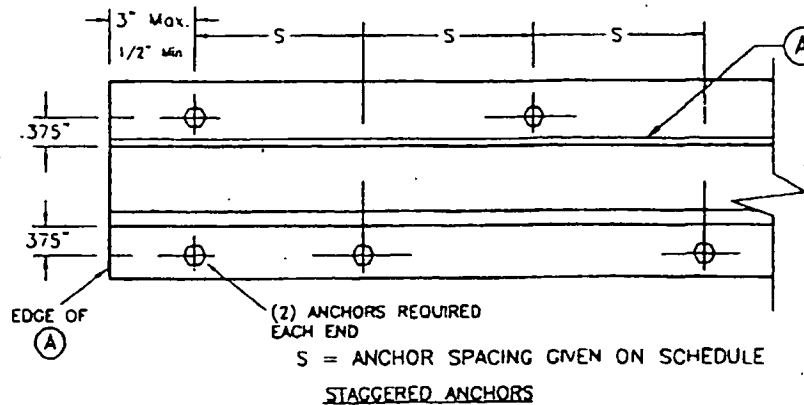
ACTUAL E. D. = EDGE DISTANCE	FACTOR
2 1/2"	.75
2"	.50

TAPCON OR CALK-IN
 ZAMAC NAILIN

TAPCON OR CALK-IN

UP TO 75.3 p.s.f. > 75.3 p.s.f. TO 226.3 p.s.f.

ANCHOR LEGENDS



ANCHORS USED W/TRACK "A" (TOP & BOTTOM) SHALL BE INSTALLED STAGGERED AT Max. SPACINGS INDICATED ON SCHEDULES.



TILTECO INC.
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EB-0006719
WALTER A. TILIT Jr., P. E.
FLORIDA Lic. # 44167

F.B.C. (Non High Velocity Hurricane Zone)

COMBINATION DRAWING:
ASSA / MID-RISE BERTHA ACCORDION SHUTTER (SHEETS 1 THRU 8 OF 16)
ASSA / RESIDENTIAL BERTHA ACCORDION SHUTTER (SHEETS 9 THRU 16 OF 16)

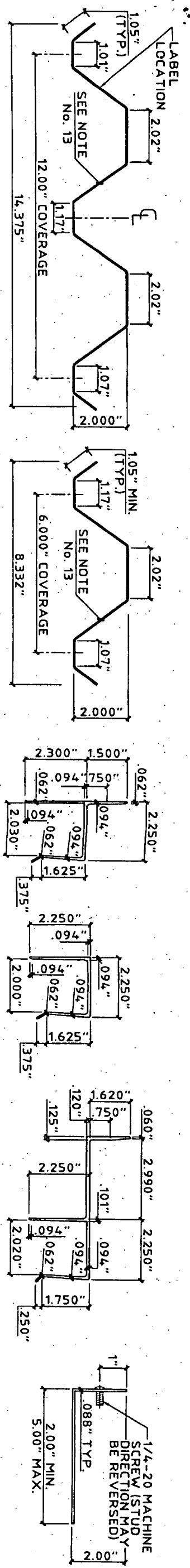
ASSA / MID-RISE BERTHA ACCORDION SHUTTER AS SHOWN SCALE

7/19/05 DATE

05-208 DRAWING No

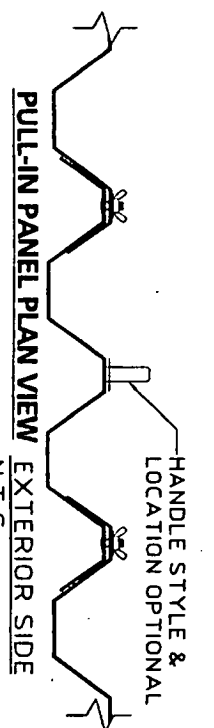
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 02-052	7/19/05	3	-	-
2	-	-	4	-	-

SHEET 8 OF 16

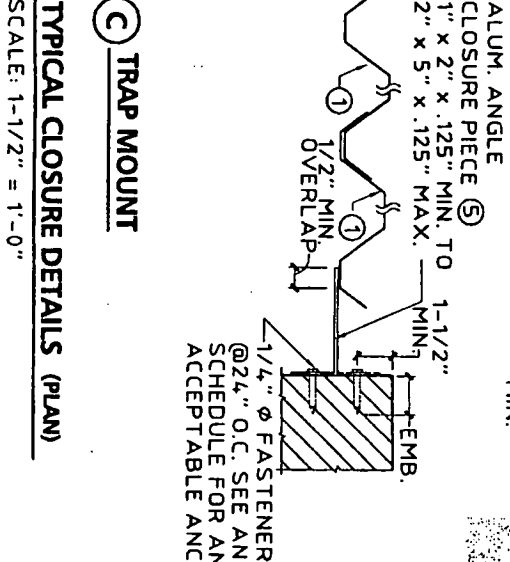
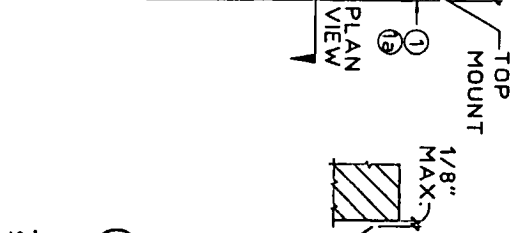
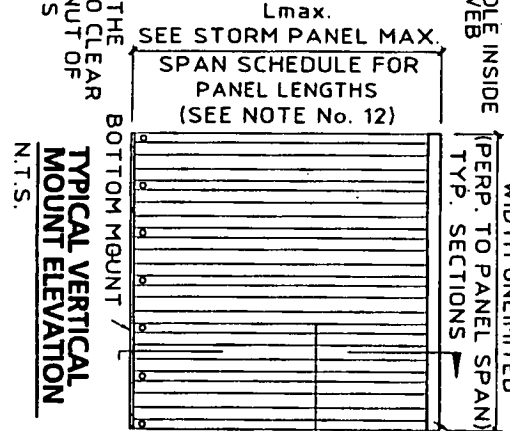
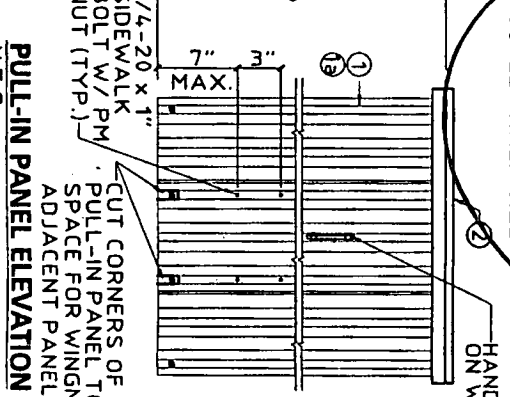


GENERAL NOTES:

1. THESE PRODUCT EVALUATION DOCUMENTS REPRESENT A SHUTTER SYSTEM DESIGNED AND TESTED AS A LARGE MISSILE IMPACT PROTECTIVE SYSTEM IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004.
2. THIS SHUTTER SYSTEM HAS BEEN TESTED FOR LARGE MISSILE IMPACT RESISTANCE IN CONFORMANCE WITH THE SBCCI STANDARD SSTD 12-99 AND FOR UNIFORM STATIC AIR PRESSURE IN CONFORMANCE WITH ASTM E330-02. REFERENCED TEST REPORTS CONSTRUCTION TESTING CORPORATION (C.T.C.), TEST REPORT NO. 97-063, 98-009, 98-010, 98-011, 98-014, 99-024, 00-041, 00-022, 01-037 AND 02-012.
3. AN ALLOWABLE STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.
4. DETERMINE THE POSITIVE AND NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY.
5. USE OF THESE PRODUCT EVALUATION DOCUMENTS ARE PREPARED BY THE PRODUCT ENGINEER AND ARE GENERIC. THEY DO NOT INCLUDE INFORMATION PREPARED FOR A SPECIFIC SITE.
6. USE OF THESE APPROVAL DOCUMENTS SHALL COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
7. THESE PRODUCT EVALUATION DOCUMENTS ARE SUITABLE TO BE APPLIED BY THE CONTRACTOR PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THE EXISTING STRUCTURE IS CAPABLE OF SUPPORTING THE SUPERIMPOSED LOADS.
8. ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED.
9. WHEN THE SITE CONDITIONS DEVIATE FROM THESE PRODUCT EVALUATION DOCUMENTS, SITE SPECIFIC DOCUMENTS SHALL BE PREPARED BY A DULY LICENSED AND REGISTERED ENGINEER OR ARCHITECT. SAID DOCUMENTS SHALL BEAR THE DATE, SIGNATURE AND EMBOSSED SEAL OF THE DELEGATED ENGINEER OR ARCHITECT AND SHALL BE SUBMITTED TO THE PRODUCT ENGINEER FOR REVIEW.
10. WHERE COMPLIANCE WITH SSTD 12-99 IS REQUIRED, PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER OPENING OR THE MANUFACTURER AND INSTALLER SHALL PROVIDE A CERTIFICATE OF COMPLIANCE, WHERE LABELS ARE USED, THE LABEL SHALL READ AS FOLLOWS:
TOWN & COUNTRY INDUSTRIES, INC.
FORT LAUDERDALE, FLORIDA
SSTD 12-99 LARGE MISSILE IMPACT RESISTANT
11. ALL SCREWS, BOLTS AND WASHERS SHALL BE 2024-T4 ALUMINUM ALLOY OF 60 KSI, U.O.N.
12. TOP & BOTTOM DETAILS SHOWN MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE. PANELS MAY BE MOUNTED HORIZONTALLY IF C-TRACK, BUILD-OUT F-TRACK, F-TRACK, F-ANGLE, STUD ANGLE OR DIRECT MOUNT IS USED.
13. STORM PANELS SHALL BE ALUMINUM ALLOY WITH THE FOLLOWING METAL THICKNESS:
0.040" (3004-H34)
0.050" (5052-H32)
0.060" (3004-H34)
14. ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, U.O.N.



MAX. PANEL SPAN = 5'-0" @ 60.0 P.S.F. MAX.
MAX. PANEL SPAN = 6'-0" @ 50.0 P.S.F. MAX.
MAX. PANEL SPAN = 7'-0" @ 40.0 P.S.F. MAX.



ALUM. ANGLE CLOSURE PIECE 5 TO 1" x 2" x .125" MIN. TO 2" x 5" x .125" MAX.
1/4" Ø FASTENER @ 24" O.C. SEE ANCHOR SCHEDULE FOR ANY ACCEPTABLE ANCHOR
EMB. 2"
1/8" MAX.
1/4" Ø FASTENER @ 24" O.C. SEE ANCHOR SCHEDULE FOR ANY ACCEPTABLE ANCHOR
EMB. 2"
1/8" MAX.
1/2" MIN. OVERLAP
1/4" Ø FASTENER @ 24" O.C. SEE ANCHOR SCHEDULE FOR ANY ACCEPTABLE ANCHOR
EMB. 2"
1/8" MAX.

FLORIDA BUILDING CODE, 2004

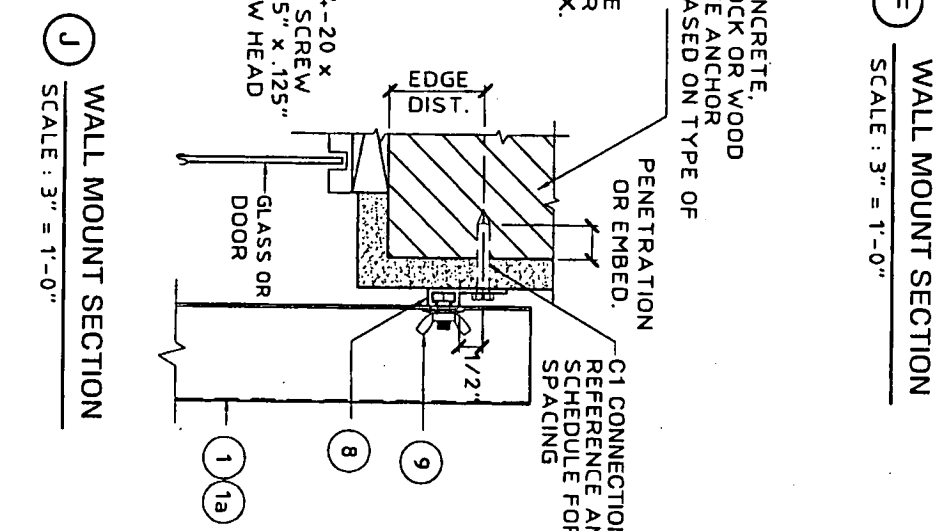
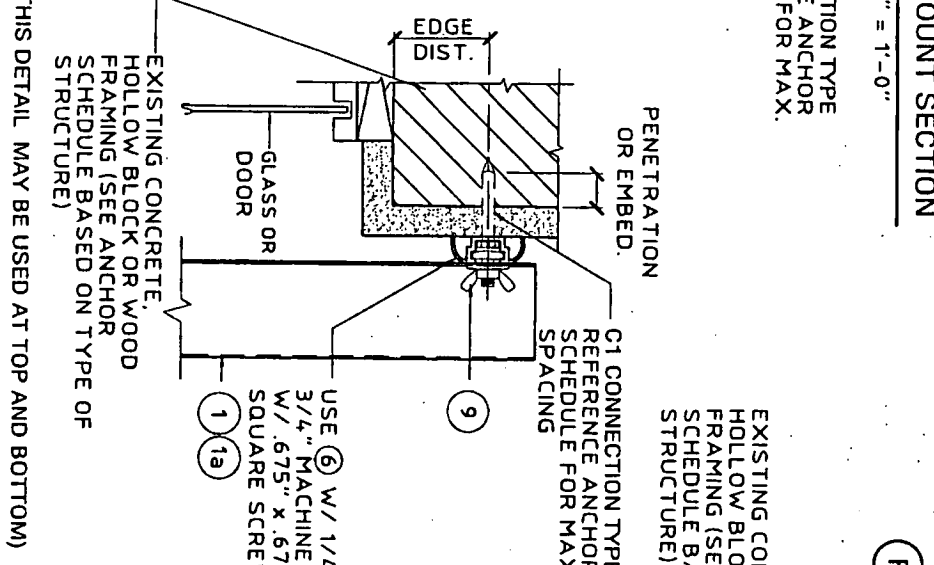
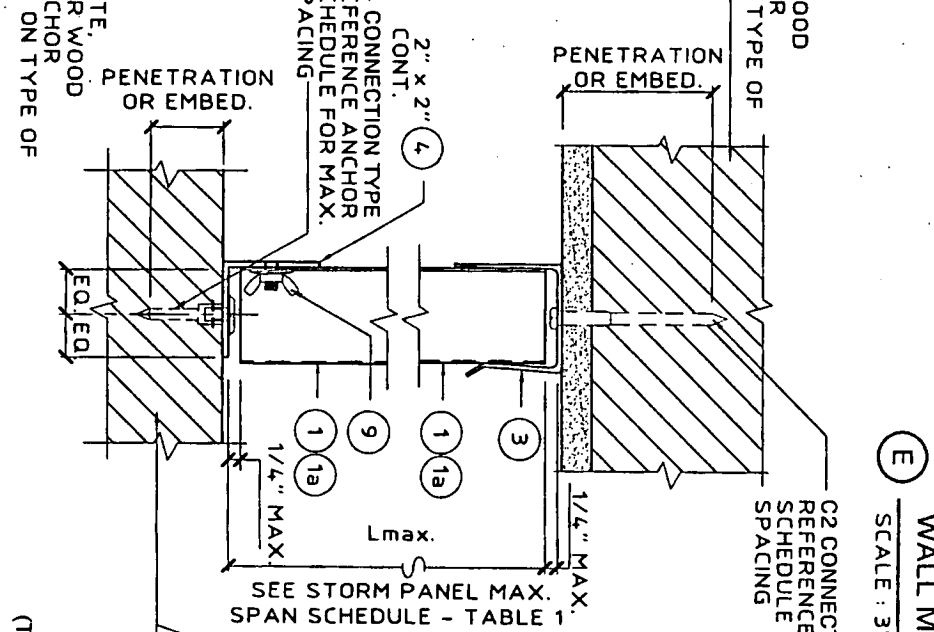
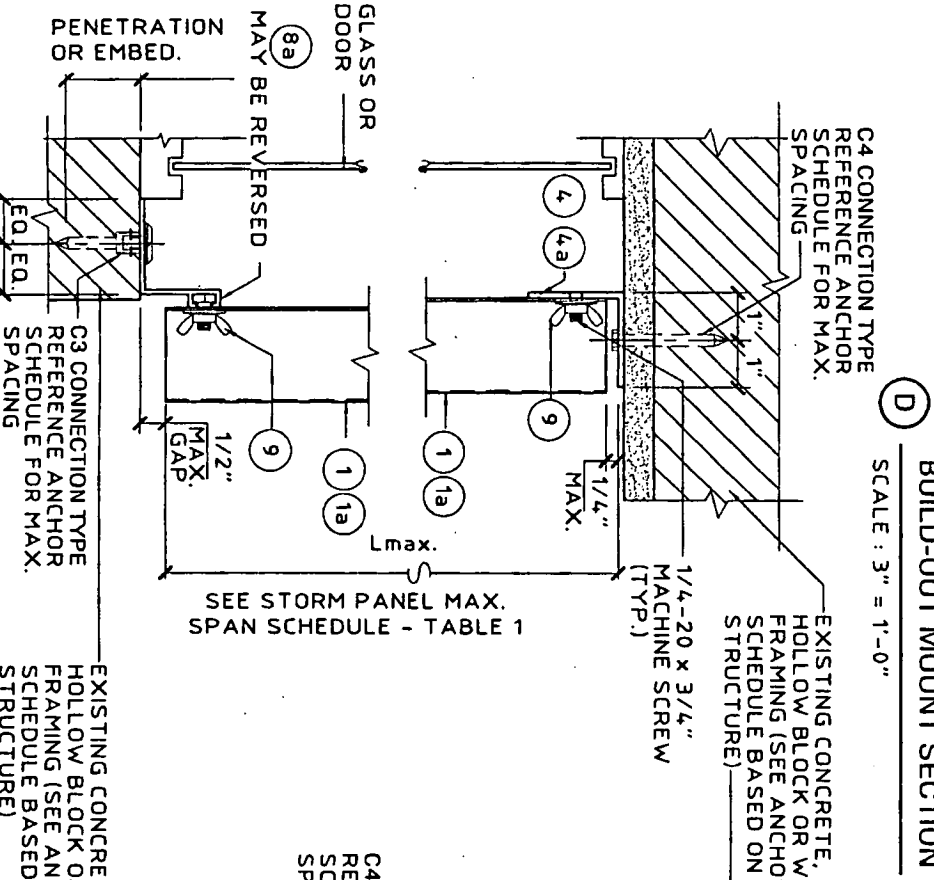
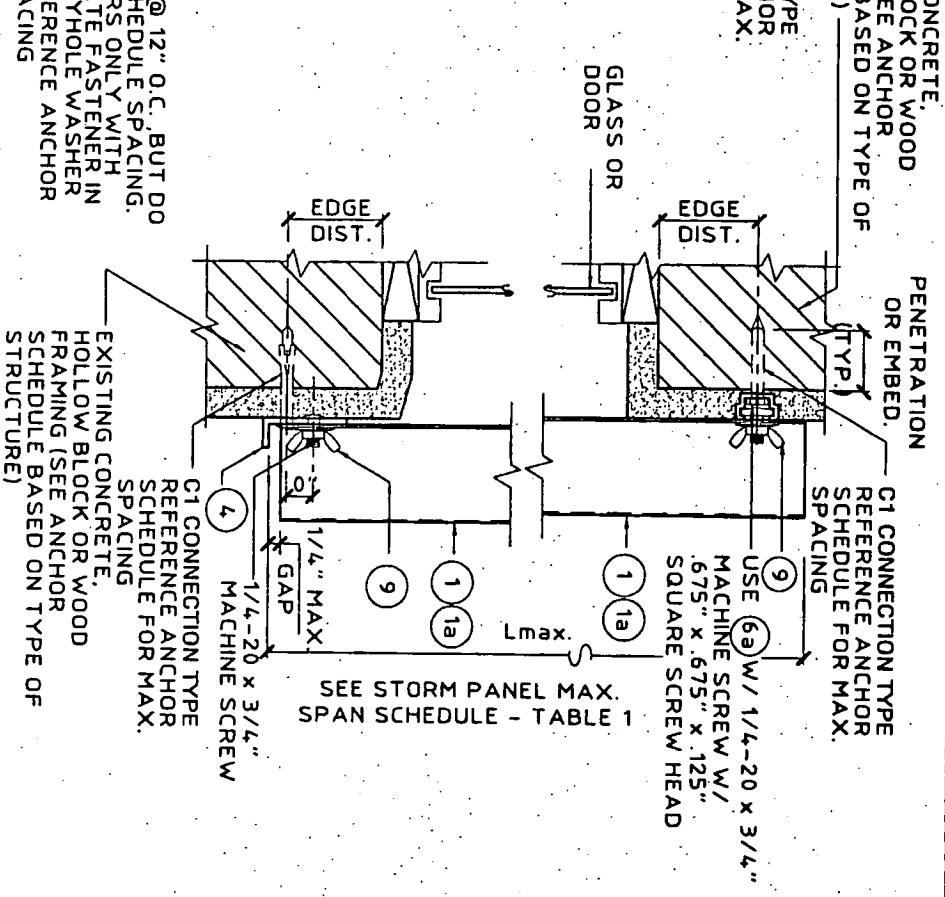
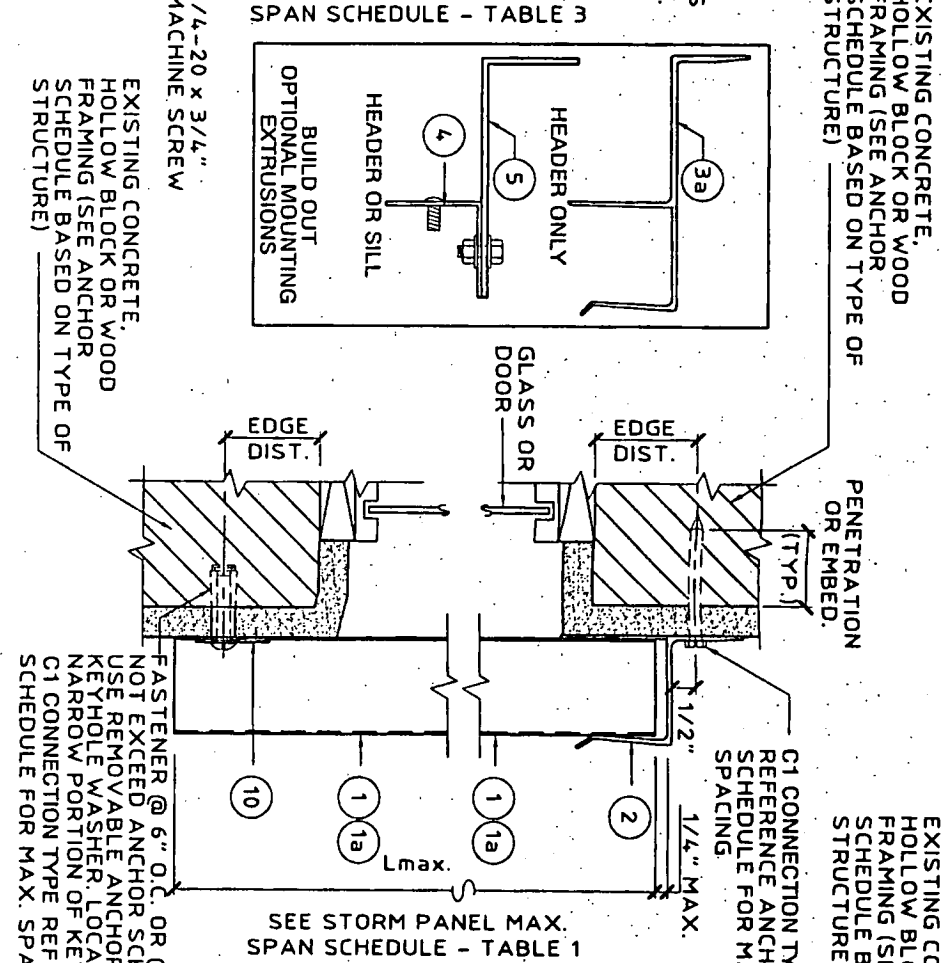
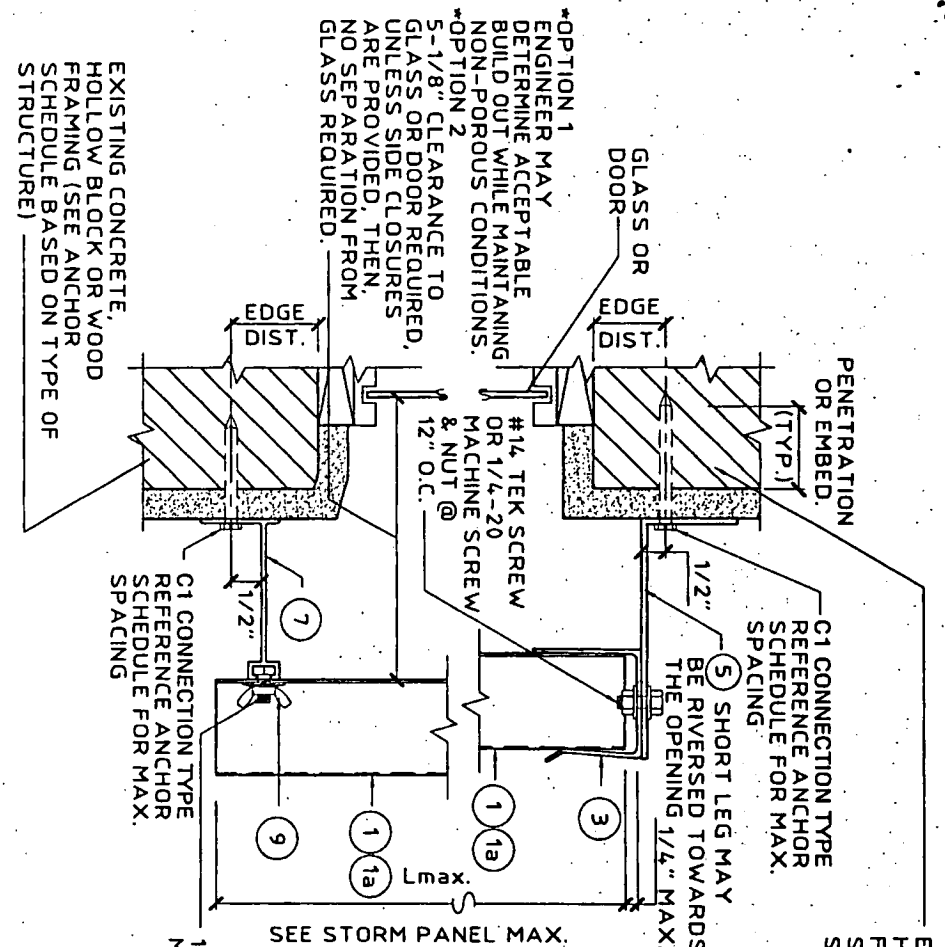
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0.040" 0.050" 0.060" ALUM. STORM PANELS

Town & Country INDUSTRIES, INC.
A Division of ABC Supply Co., Inc.
400 West McNab Road • Fort Lauderdale, FL 33309
Phone: (866) 220-5019 • Fax: (954) 970-7705

Thornton-Tomasetti Group
330 N. Andrews Ave., Suite 450 • Ft. Lauderdale, FL 33301
Tel. (954) 522-3690 • Fax (954) 522-3691 • COA # 7519
Website: www.TheTTGroup.com

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revisions	
no	description
0	PREV. DRAWING No. 05-350-01
1	04/28/05VJK

DATE: 04/28/2005
 DESIGNED BY: VJK
 CHECKED BY: VJK
 DRAWING NO.: 05-350
 SHEETZ OF 6

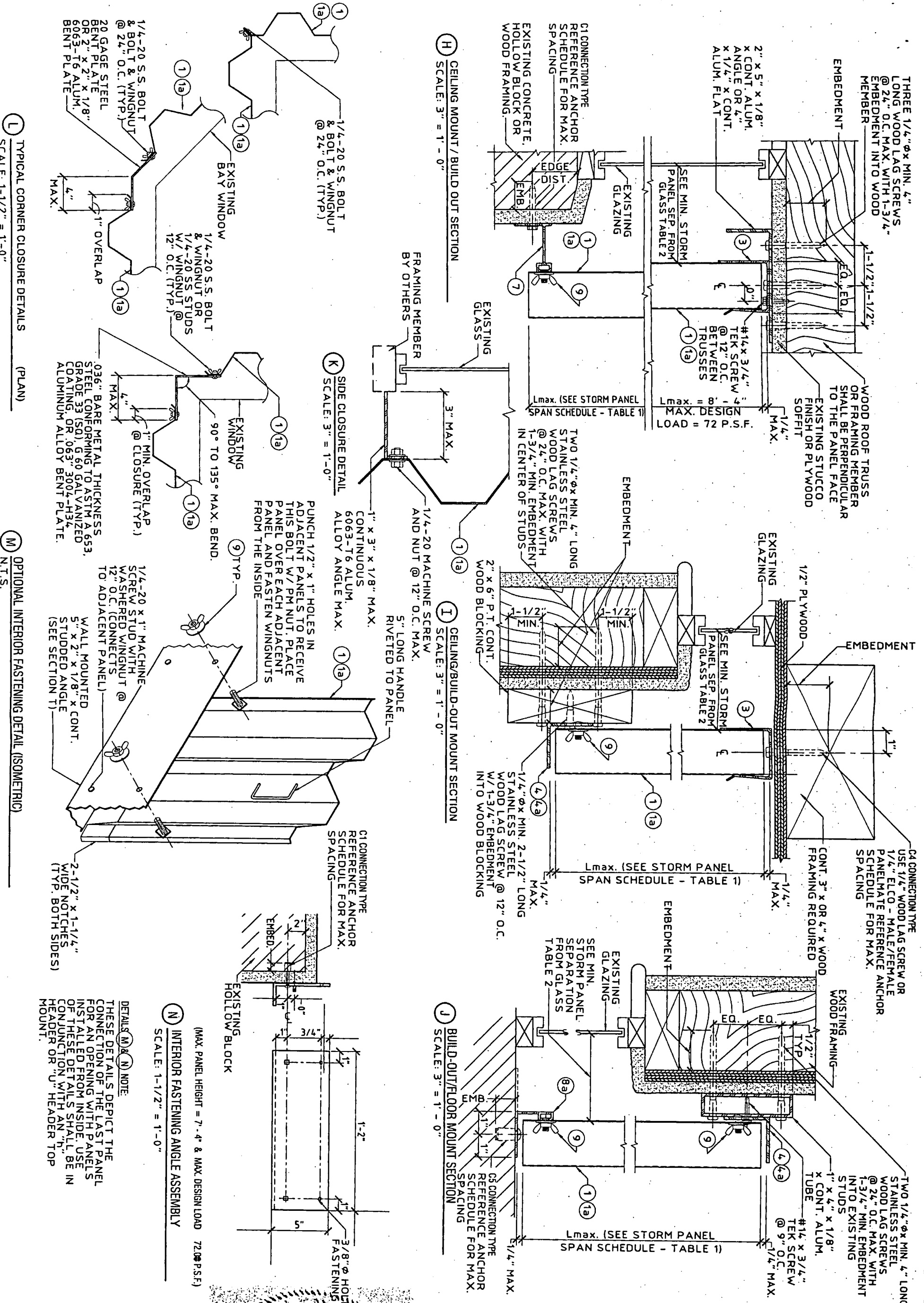
0.040", 0.050", 0.060" ALUM. STORM-PANELS

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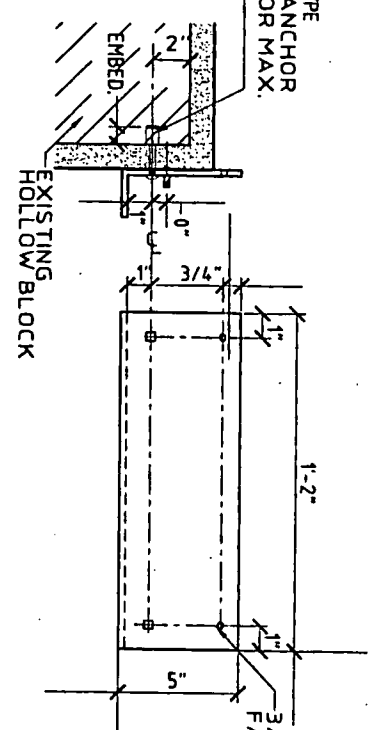
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DETAILS (M) & (N) NOTE:
 THESE DETAILS DEPICT THE CONNECTION OF THE LAST PANEL FOR AN OPENING WITH PANELS INSTALLED FROM INSIDE. USE OF THESE DETAILS SHALL BE IN CONJUNCTION WITH AN "H" HEADER OR "U" HEADER TOP MOUNT.

N INTERIOR FASTENING ANGLE ASSEMBLY
 SCALE: 1-1/2" = 1'-0"
 (MAX. PANEL HEIGHT = 7'-4" & MAX. DESIGN LOAD 72.00 P.S.F.)



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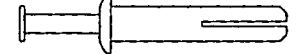


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REVISIONS DATE: 04/28/2005 DRAWING NO. 05-350 SHEETS OF 6			

0.040" 0.050" 0.060" ALUM. STORM PANELS
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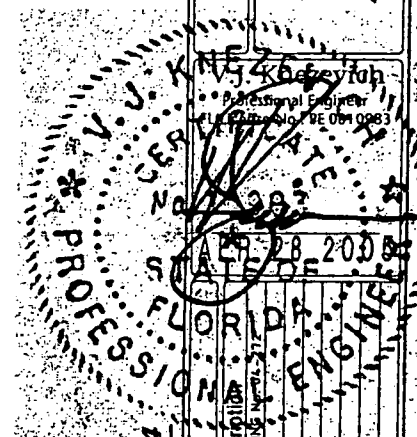
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ANCHOR SCHEDULE

FASTENER MAXIMUM SPACING (INCHES) REQUIRED FOR VARIOUS DESIGN LOADS AND SPANS

EXIST. STRUC.	ANCHOR TYPE	LOAD (W) P.S.F. MAX. (SEE NOTE 1)	MIN. 2" EDGE DISTANCE																MIN. 3" EDGE DISTANCE																							
			SPANS UP TO 5'-0" (SEE NOTE 1)					SPANS UP TO 8'-9" (SEE NOTE 1)					SPANS UP TO 12'-0" (SEE NOTE 1)					SPANS UP TO 15'-0" (SEE NOTE 1)					SPANS UP TO 5'-0" (SEE NOTE 1)				SPANS UP TO 8'-9" (SEE NOTE 1)				SPANS UP TO 12'-0" (SEE NOTE 1)				SPANS UP TO 15'-0" (SEE NOTE 1)							
			CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)				CONNECTION TYPE (SEE NOTE 3)				CONNECTION TYPE (SEE NOTE 3)				CONNECTION TYPE (SEE NOTE 3)							
			C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5
CONCRETE	 1/4" ϕ ITW TAPCON W/ 1-1/4" MIN. EMBEDMENT (MIN. 3,000 P.S.I. CONCRETE)	33.0	18	18	12	14	/	15	11	7	8	/	11	8	5	6	/	8	6	4	4	/	18	18	14	17	/	16	13	8	9	/	12	9	5	7	/	9	7	4	5	/
		44.2	18	14	9	11	/	11	8	5	6	/	8	6	3	4	/	7	5	3	4	/	18	17	10	12	/	12	9	6	7	/	9	7	4	5	/	8	6	3	4	/
		47.2	18	13	8	10	/	10	7	4	5	/	7	5	3	4	/	7	5	3	4	/	18	16	9	11	/	11	9	5	6	/	8	6	4	4	/	8	6	3	4	/
		64.0	13	10	6	7	/	7	5	3	4	/	7	5	3	4	/	7	5	3	4	/	15	12	7	8	/	8	6	4	4	/	8	6	3	4	/	8	6	3	4	/
		80.0	11	8	5	6	/	7	5	3	4	/	7	5	3	4	/	7	5	3	4	/	12	9	5	7	/	8	6	3	4	/	8	6	3	4	/	8	6	3	4	/
	 1/4" ϕ ITW TAPCON W/ 2" MIN. EMBEDMENT (MIN. 3,000 P.S.I. CONCRETE)	33.0	18	18	18	18	/	18	18	13	14	/	18	13	9	10	/	18	10	7	8	/	18	18	18	18	/	18	18	15	17	/	18	16	11	12	/	18	12	8	10	/
		44.2	18	18	17	18	/	18	13	9	11	/	18	10	7	8	/	18	9	6	7	/	18	18	18	18	/	18	16	11	13	/	18	12	8	9	/	18	10	7	8	/
47.2		18	18	16	18	/	18	12	9	10	/	18	9	6	7	/	18	9	6	7	/	18	18	18	18	/	18	15	10	12	/	18	11	7	8	/	18	10	7	8	/	
64.0		18	16	11	13	/	18	9	6	7	/	18	9	6	7	/	18	9	6	7	/	18	18	13	15	/	18	11	7	9	/	18	10	7	8	/	18	10	7	8	/	
 1/4" ϕ ELCO TAPCON W/ 1-3/4" MIN. EMBEDMENT (MIN. 3,350 P.S.I. CONCRETE)	33.0	18	18	18	18	/	18	18	14	16	/	18	15	10	12	/	18	12	8	9	/	18	18	18	18	/	18	18	17	18	/	18	18	13	15	/	18	15	10	12	/	
	44.2	18	18	18	18	/	18	15	10	12	/	18	11	7	9	/	17	10	6	8	/	18	18	18	18	/	18	18	13	15	/	18	14	9	11	/	18	13	8	10	/	
	47.2	18	18	17	18	/	18	14	9	11	/	17	10	7	8	/	17	10	6	8	/	18	18	18	18	/	18	18	12	14	/	18	13	9	10	/	18	13	8	10	/	
	64.0	18	17	12	14	/	18	10	7	8	/	18	9	6	7	/	18	9	6	7	/	18	18	16	18	/	18	13	9	10	/	18	13	8	10	/	18	13	8	10	/	
 1/4" ϕ ELCO MALE/FEMALE "PANELMATE" & 1/4-20 MACHINE SCREW FOR FEMALE AND 1/4-20 WWN FOR MALE OR 1/4" ϕ ELCO CRETE FLEX W/ 1-3/4" MIN. EMBED. (MIN. 3,350 P.S.I. CONCRETE)	33.0	18	18	18	18	/	18	18	13	15	/	18	14	10	11	/	18	11	8	9	/	18	18	18	18	/	18	18	17	18	/	18	17	12	14	/	18	14	10	11	/	
	44.2	18	18	18	18	/	18	14	10	11	/	18	10	7	8	/	18	9	6	7	/	18	18	18	18	/	18	18	13	14	/	18	13	9	10	/	18	12	8	9	/	
	47.2	18	18	17	18	/	18	13	9	11	/	18	10	7	8	/	18	9	6	7	/	18	18	18	18	/	18	17	12	13	/	18	12	8	10	/	18	12	8	9	/	
	64.0	18	17	12	14	/	18	10	7	8	/	18	9	6	7	/	18	9	6	7	/	18	18	15	18	/	18	12	8	10	/	18	12	8	9	/	18	12	8	9	/	
	80.0	18	14	10	11	/	18	9	6	7	/	18	9	6	7	/	18	9	6	7	/	18	17	12	14	/	18	12	8	9	/	18	12	8	9	/	18	12	8	9	/	
 1/4" ϕ POWERS ZAMAC NAIL-IN W/ 1-1/8" MIN. EMBEDMENT (MIN. 3,000 P.S.I. CONCRETE)	33.0	18	18	13	15	/	18	10	7	8	/	14	7	5	6	/	11	6	4	5	/	18	18	16	18	/	18	14	9	10	/	16	10	6	8	/	12	7	5	5	/	
	44.2	18	14	9	11	/	14	8	5	6	/	10	5	4	4	/	9	5	3	4	/	18	18	12	14	/	16	10	6	8	/	12	7	5	5	/	10	7	4	5	/	
	47.2	18	13	9	10	/	13	7	5	6	/	10	5	3	4	/	9	5	3	4	/	18	17	11	13	/	15	9	6	7	/	11	7	4	5	/	10	7	4	5	/	
	64.0	17	9	6	7	/	10	5	3	4	/	9	5	3	4	/	9	5	3	4	/	18	12	8	9	/	11	7	4	5	/	10	7	4	5	/	10	7	4	5	/	
 5/16" ϕ ITW XL TAPCON W/ 2-1/4" MIN. EMBEDMENT (MIN. 3,000 P.S.I. CONCRETE)	33.0	18	18	18	18	/	18	18	18	18	/	18	18	18	18	/	18	18	15	17	/	18	18	18	18	/	18	18	18	18	/	18	18	18	18	/	18	18	16	18	/	
	44.2	18	18	18	18	/	18	18	18	18	/	18	18	14	16	/	18	18	12	15	/	18	18	18	18	/	18	18	18	18	/	18	18	15	18	/	18	18	14	16	/	
	47.2	18	18	18	18	/	18	18	18	18	/	18	18	13	15	/	18	18	12	15	/	18	18	18	18	/	18	18	18	18	/	18	18	14	17	/	18	18	14	16	/	
	64.0	18	18	18	18	/	18	18	13	15	/	18	18	12	15	/	18	18	12	15	/	18	18	18	18	/	18	18	14	17	/	18	18	14	16	/	18	18	14	16	/	
 1/4" ϕ ALL-POINTS SOLID-SET ANCHOR W/ 7/8" EMBEDMENT & 1/4-20 STAINLESS STEEL MACHINE SCREW (MIN. 3,000 P.S.I. CONCRETE)	33.0	18	18	15	17	/	18	11	8	9	/	18	8	6	7	/	15	6	5	5	/	18	18	18	18	/	18	18	15	17	/	18	16	11	12	/	18	13	8	10	/	
	44.2	18	15	11	12	/	18	8	6	7	/	14	6	4	5	/	13	5	4	4	/	18	18	18	18	/	18	17	11	13	/	18	12	8	9	/	17	11	7	8	/	
	47.2	18	14	10	12	/	18	8	6	6	/	13	6	4	5	/	13	5	4	4	/	18	18	18	18	/	18	16	10	12	/	18	11	7	9	/	17	11	7	8	/	
	64.0	18	10	7	8	/	13	6	4	5	/	13	5	4	4	/	13	5	4	4	/	18	18	13	16	/	18	11	7	9	/	17	11	7	8	/	17	11	7	8	/	
80.0	18	8	6	7	/	13	5	4	4	/	13	5	4	4	/	13	5	4	4	/	18	16	10	12	/	17	11	7	8	/	17	11	7	8	/	17	11	7	8	/		

SEE PAGE 6 OF 6 FOR COMPLETE ANCHOR NOTES.



0.040", 0.050", 0.060"
ALUM. STORM PANELS

Thornton-Tomasetti Group
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400 West McNab Road • Fort Lauderdale, FL 33309
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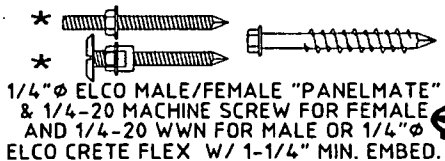
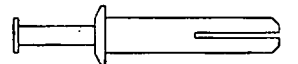


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REVISIONS		NO.	DATE	DESCRIPTION

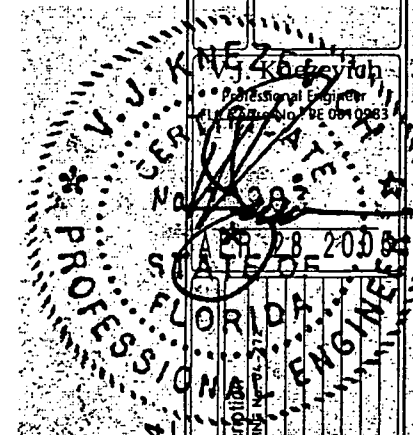
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scale: AS NOTED
design by: VJK
checked by: VJK
drawing no.: 05-350
sheet 4 of 6

ANCHOR SCHEDULE

FASTENER MAXIMUM SPACING (INCHES) REQUIRED FOR VARIOUS DESIGN LOADS AND SPANS

EXIST. STRUC.	ANCHOR TYPE	LOAD (W) P.S.F. MAX. (SEE NOTE 1)	MIN. 2" EDGE DISTANCE																				MIN. 3" EDGE DISTANCE																			
			SPANS UP TO 5'-0" (SEE NOTE 1)					SPANS UP TO 8'-9" (SEE NOTE 1)					SPANS UP TO 12'-0" (SEE NOTE 1)					SPANS UP TO 15'-0" (SEE NOTE 1)					SPANS UP TO 5'-0" (SEE NOTE 1)					SPANS UP TO 8'-9" (SEE NOTE 1)					SPANS UP TO 12'-0" (SEE NOTE 1)					SPANS UP TO 15'-0" (SEE NOTE 1)				
			CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)				
			C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5
HOLLOW CONCRETE BLOCK	 1/4" ITW TAPCON W/ 1-1/4" MIN. EMBEDMENT	33.0	17	13	8	9	9	7	4	5	7	5	3	4	5	4	3	3	3	3	18	15	9	11	10	9	5	6	7	6	3	4	5	4	3	3	3					
		44.2	12	10	6	7	7	5	3	4	5	4	3	3	3	4	3	3	3	3	13	11	7	8	7	6	3	4	5	4	3	3	3	3	3	3						
		47.2	11	9	5	6	6	5	3	3	4	4	3	3	3	4	3	3	3	3	13	11	6	7	7	6	3	4	5	4	3	3	3	3	3	3	3					
		64.0	8	6	4	5	5	3	3	3	4	4	3	3	3	4	3	3	3	3	9	8	4	5	5	4	3	4	5	4	3	3	3	3	3	3	3					
		80.0	7	5	3	4	4	3	3	3	4	4	3	3	3	4	3	3	3	3	7	6	3	4	5	4	3	4	5	4	3	3	3	3	3	3	3					
	 1/4" ELCO TAPCON W/ 1-1/4" MIN. EMBEDMENT	33.0	18	18	16	18	18	14	9	11	16	10	6	8	13	8	5	6	18	18	18	18	18	17	11	13	18	13	8	10	16	10	6	8								
		44.2	18	18	12	14	16	10	7	8	12	7	5	6	11	7	4	5	18	18	15	18	18	13	8	10	15	9	6	7	13	8	5	6								
		47.2	18	17	11	13	15	9	6	7	11	7	4	5	11	7	4	5	18	18	14	16	18	12	8	9	14	9	6	7	13	8	5	6								
		64.0	18	13	8	10	11	7	4	5	11	7	4	5	11	7	4	5	18	16	10	12	14	9	6	7	13	8	5	6	13	8	5	6								
		80.0	16	10	6	8	11	7	4	5	11	7	4	5	11	7	4	5	18	13	8	10	13	8	5	6	13	8	5	6	13	8	5	6								
	 1/4" ELCO MALE/FEMALE "PANELMATE" & 1/4-20 MACHINE SCREW FOR FEMALE AND 1/4-20 WWN FOR MALE OR 1/4" ELCO CRETE FLEX W/ 1-1/4" MIN. EMBED.	33.0	18	18	12	14	17	10	7	8	12	7	5	6	10	6	4	4	18	18	15	18	18	13	8	10	16	9	6	7	12	7	5	6								
		44.2	18	13	9	10	13	7	5	6	9	5	3	4	8	5	3	4	18	17	11	13	16	9	6	7	11	7	4	5	10	6	4	5								
		47.2	18	13	8	10	12	7	4	5	8	5	3	4	8	5	3	4	18	16	10	12	15	9	6	7	11	6	4	5	10	6	4	5								
		64.0	12	7	5	6	8	5	3	4	8	5	3	4	8	5	3	4	15	9	6	7	10	6	4	5	10	6	4	5	10	6	4	5								
		80.0	18	18	14	16	18	12	7	9	14	8	5	6	11	7	4	5	18	18	17	18	18	15	9	11	15	11	7	8	12	9	5	6								
	 1/4" POWERS ZAMAC NAIL-IN W/ 1-1/8" MIN. EMBEDMENT	33.0	18	18	14	16	18	12	7	9	14	8	5	6	11	7	4	5	18	18	17	18	18	15	9	11	15	11	7	8	12	9	5	6								
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		64.0	17	10	7	8	9	6	4	4	9	5	3	4	9	5	3	4	18	14	8	10	11	8	5	6	10	7	4	5	10	7	4	5								
		80.0	13	8	5	6	9	5	3	4	9	5	3	4	9	5	3	4	15	11	7	8	10	7	4	5	10	7	4	5	10	7	4	5								
 5/16" ITW XL TAPCON W/ 1-1/4" MIN. EMBEDMENT	33.0	18	16	10	12	14	9	6	7	10	6	4	5	8	5	3	4	18	18	15	18	18	13	8	10	15	9	6	7	12	7	5	6									
	44.2	18	12	8	9	11	6	4	5	8	5	3	3	7	4	3	3	18	17	11	13	15	9	6	7	11	7	4	5	10	6	4	5									
	47.2	18	11	7	8	10	6	4	4	7	4	3	3	7	4	3	3	18	16	10	12	14	9	6	7	10	6	4	5	10	6	4	5									
	64.0	13	8	5	6	7	4	3	3	7	4	3	3	7	4	3	3	18	11	7	9	10	6	4	5	10	6	4	5	10	6	4	5									
	80.0	10	6	4	5	7	4	3	3	7	4	3	3	7	4	3	3	15	9	6	7	10	6	4	5	10	6	4	5	10	6	4	5									
 1/4" ALL-POINTS SOLID-SET ANCHOR W/ 7/8" EMBEDMENT & 1/4-20 STAINLESS STEEL MACHINE SCREW	33.0	18	15	11	12	17	9	6	7	12	6	4	5	10	5	3	4	18	15	11	12	17	9	6	7	12	6	4	5	10	5	3	4									
	44.2	18	11	8	9	12	6	4	5	9	4	3	3	8	4	3	3	18	11	8	9	12	6	4	5	9	4	3	3	8	4	3	3									
	47.2	18	11	7	8	11	6	4	5	8	4	3	3	8	4	3	3	18	11	7	8	11	6	4	5	8	4	3	3	8	4	3	3									
	64.0	15	8	5	6	8	4	3	3	8	4	3	3	8	4	3	3	15	8	5	6	8	4	3	3	8	4	3	3	8	4	3	3									
	80.0	12	6	4	5	8	4	3	3	8	4	3	3	8	4	3	3	12	6	4	5	8	4	3	3	8	4	3	3	8	4	3	3									

SEE PAGE 6 OF 6 FOR COMPLETE ANCHOR NOTES.



FLORIDA BUILDING CODE, 2004

0.040" x 0.050" x 0.060" ALUM. STORM PANELS

Thornton-Tomasetti Group
 330 N. Andrews Ave., Suite 430 • Ft. Lauderdale, FL 33301
 Tel. (954) 522-3690 • Fax (954) 522-3691 • COA # 7519
 Website: www.thornton-tomasetti.com

Turn & Country Industries, Inc.
 A Division of ABC Supply Co., Inc.
 400 West McNab Road • Fort Lauderdale, FL 33309
 Phone: (866) 220-5019 • Fax: (954) 970-7705

REVISIONS: [Table with columns for no., date, by, description, and prev. drawing]

date: 04/28/2005
 scale: AS NOTED
 design by: VJK
 checked by: VJK
 drawing no.: 05-350
 sheet 5 of 6

ANCHOR SCHEDULE

FASTENER MAXIMUM SPACING (INCHES) REQUIRED FOR VARIOUS DESIGN LOADS AND SPANS

EXIST. STRUC.	ANCHOR TYPE	LOAD (W) P.S.F. MAX. (SEE NOTE 1)	MIN. 3/4" EDGE DISTANCE																					
			SPANS UP TO 5'-0" (SEE NOTE 1)					SPANS UP TO 8'-9" (SEE NOTE 1)					SPANS UP TO 12'-0" (SEE NOTE 1)					SPANS UP TO 15'-0" (SEE NOTE 1)						
			CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)					CONNECTION TYPE (SEE NOTE 3)						
			C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5	C1	C2	C3	C4	C5		
WOOD	1/4" φ WOOD LAG W/ 1-27/32" MIN. THREAD PENETRATION SHEAR PARALLEL OR PERP. TO WOOD GRAIN	33.0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	10	10	12	9	8	8	8
		44.2	12	12	12	12	12	12	12	10	11	12	9	7	8	12	8	6	7	12	8	6	7	12
		47.2	12	12	12	12	12	12	11	9	10	12	8	7	7	12	8	6	7	12	8	6	7	12
		64.0	12	12	12	12	12	12	8	7	7	12	8	6	7	12	8	6	7	12	8	6	7	12
	80.0	12	12	10	10	12	12	8	6	7	12	8	6	7	12	8	6	7	12	8	6	7	12	
	1/4" φ ELCO MALE/FEMALE "PANELMATE" W/ 1-7/8" MIN. PENETRATION & 1/4-20 MACHINE SCREW FOR FEMALE AND 1/4-20 WVN FOR MALE	33.0	12	12	12	12	12	12	12	10	12	12	11	8	9	12	9	6	7	12	9	6	7	12
		44.2	12	12	12	12	12	12	12	8	9	12	8	5	6	12	8	5	6	12	8	5	6	12
		47.2	12	12	12	12	12	12	11	7	8	12	8	5	6	12	8	5	6	12	8	5	6	12
		64.0	12	12	9	11	12	12	8	5	6	12	8	5	6	12	8	5	6	12	8	5	6	12
	80.0	12	11	7	9	12	12	8	5	6	12	8	5	6	12	8	5	6	12	8	5	6	12	
	7/16" φ WOOD BUSHING W/ 5/8" MIN. PENETRATION & 1/4-20 SIDEWALK BOLT	33.0	12					12				12				9								
		44.2	12					12				9				8								
47.2		12					11				8				8									
64.0		12					8				8				8									
80.0	12					8				8				8										

ANCHOR NOTES:

- SPANS AND LOADS SHOWN HERE ARE FOR DETERMINING ANCHOR SPACING ONLY. ALLOWABLE STORM PANEL SPANS FOR SPECIFIC LOADS MUST BE LIMITED TO THOSE SHOWN IN TABLE 1.
- ENTER ANCHOR SCHEDULE BASED ON THE EXISTING STRUCTURE MATERIAL, ANCHOR TYPE AND EDGE DISTANCE. SELECT DESIGN LOAD GREATER THAN OR EQUAL TO NEGATIVE DESIGN LOAD ON SHUTTER AND SELECT SPAN GREATER THAN OR EQUAL TO SHUTTER SPAN.
- EXISTING STRUCTURE MAY BE CONCRETE, HOLLOW BLOCK OR WOOD FRAMING. REFERENCE ANCHOR SCHEDULE FOR PROPER ANCHOR TYPE BASED ON TYPE OF EXISTING STRUCTURE AND APPROPRIATE CONNECTION TYPE. SEE MOUNTING SECTION DETAILS FOR IDENTIFICATION OF CONNECTION TYPE.
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES WALL FINISH OR STUCCO.
- WHERE EXISTING STRUCTURE IS WOOD FRAMING, WOOD FRAMING CONDITIONS VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT PLYWOOD. FASTENING TO PLYWOOD IS ACCEPTABLE ONLY FOR SIDE CLOSURE PIECES.
- WHERE LAG SCREWS FASTEN TO NARROW FACE OF STUD FRAMING, FASTENER SHALL BE LOCATED IN CENTER OF NOMINAL 2" x 4" (MIN.) WOOD STUD. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR WOOD FRAMING. WOOD STUD SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY. LAG SCREWS SHALL HAVE PHILLIPS PAN HEAD OR HEX HEAD.
- MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFER HEAD (SIDEWALK BOLT), U.O.N.
- DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE USES.
- * DESIGNATES ANCHORS WHICH ARE REMOVABLE BY REMOVING MACHINE SCREW, NUT OR WASHERED WINGNUT.
- FOR LOADS GREATER THAN THOSE SPECIFIED (ANCHOR SCHEDULE), SITE SPECIFIC FASTENER ANALYSIS SHALL BE PREPARED BY KNEZEVICH & ASSOCIATES, INC.
- SEE THE APPROPRIATE SBCCI PST & EST OR NES EVALUATION REPORT ON THE SPECIFIC FASTENER FOR SPECIAL INSPECTION REQUIREMENTS WHEN REQUIRED AS WELL AS FOR INSTALLATION, LIMITATIONS & IDENTIFICATION PURPOSES.
- FASTENER MAXIMUM SPACING ARE BASED ON FACTOR OF SAFETY OF 4:1 ON TENSION AND SHEAR VALUES WITH THE EXCEPTION OF THE 1/4" φ WOOD LAG SCREW AND THE 7/16" φ WOOD BUSHING WHICH ARE BASED ON NDS REQUIREMENTS AND SBCCI TESTING REQUIREMENTS RESPECTIVELY.

TABLE 2		MINIMUM PANEL LENGTH SCHEDULE					
MOUNTING CONDITIONS		MINIMUM PANEL LENGTH- (IN)					
TOP	DIRECT MOUNT OR RECESSED C-TRACK	2" x 2" STUD ANGLE	C-TRACK (6 OR 6a)	"h" OR "U" HEADER	F-TRACK	C-TRACK (6 OR 6a) W/ SIDE CLOSURE PIECES	
	BOTTOM						
DIRECT MOUNT OR RECESSED C-TRACK (6a)	52	34	110	30	57	-	
2" x 2" STUD ANGLE	36	30	35	30	31	-	
F-ANGLE TRACK	57	31	90	31	62	-	
C-TRACK (6 OR 6a)	64	55	110	35	90	-	
F-TRACK	57	49	90	31	76	-	
C-TRACK (6 OR 6a) W/ SIDE CLOSURE PIECES	-	-	-	-	-	52	

TABLES 1 & 3 NOTE:

ENTER TABLE WITH NEGATIVE DESIGN LOAD TO DETERMINE MAX. PANEL SPAN (Lmax.). POSITIVE LOADS LESS THAN OR EQUAL TO THE NEGATIVE LOAD ARE ACCEPTABLE. FOR DESIGN LOADS BETWEEN TABULATED VALUES, USE NEXT HIGHER LOAD OR LINEAR INTERPOLATION MAY BE USED TO DETERMINE ALLOWABLE SPANS.

TABLE 2 NOTE:

THIS SHUTTER SYSTEM IS DESIGNED SUCH THAT THERE IS NO SEPARATION FROM GLASS REQUIRED PROVIDED MINIMUM PANEL LENGTHS AS NOTED. PANEL LENGTHS LESS THAN THOSE NOTED IN TABLE ARE NOT ACCEPTABLE, UNLESS SITE SPECIFIC POROSITY CALCULATIONS ARE PERFORMED BY A PROFESSIONAL ENGINEER.

TABLE 1	STORM PANEL MAXIMUM SPAN SCHEDULE		
	THICKNESS		
	0.040"	0.050"	0.060"
	ALL MOUNTING CONDITIONS EXCEPT "F" ANGLE TRACK	ALL MOUNTING CONDITIONS EXCEPT "F" ANGLE TRACK	ALL MOUNTING CONDITIONS EXCEPT "F" ANGLE TRACK
NEGATIVE DESIGN LOAD W (P.S.F.)	L MAX. (FT - IN)	L MAX. (FT - IN)	L MAX. (FT - IN)
	30	11' - 1"	11' - 9"
	33	10' - 7"	11' - 2"
	35.8	10' - 2"	10' - 9"
	38.3	9' - 10"	10' - 4"
	40.7	9' - 6"	10' - 1"
	44.2	9' - 1"	9' - 8"
	47.2	8' - 10"	9' - 4"
	50.9	8' - 6"	9' - 0"
	52.4	8' - 4"	8' - 10"
	56	8' - 1"	8' - 7"
	60	7' - 10"	8' - 3"
	64	7' - 7"	8' - 0"
	68	7' - 4"	7' - 6"
	72	7' - 1"	7' - 1"
	76	6' - 9"	6' - 9"
80	6' - 5"	6' - 6"	

TABLE 3	STORM PANEL WITH "F" ANGLE TRACK (TOP OR BOTTOM) MAX. SPAN SCHED.		
	THICKNESS		
	0.040"	0.050"	0.060"
	ALL MOUNTING CONDITIONS	ALL MOUNTING CONDITIONS	ALL MOUNTING CONDITIONS
NEGATIVE DESIGN LOAD W (P.S.F.)	L MAX. (FT - IN)	L MAX. (FT - IN)	L MAX. (FT - IN)
	30	11' - 1"	11' - 9"
	33	10' - 7"	11' - 2"
	35.8	10' - 2"	10' - 9"
	38.3	9' - 10"	10' - 4"
	40.7	9' - 6"	10' - 1"
	44.2	9' - 1"	9' - 8"
	47.2	8' - 10"	9' - 4"
	50.9	8' - 6"	9' - 0"
	52.4	8' - 4"	8' - 10"
	56	8' - 1"	8' - 3"
	60	7' - 9"	7' - 9"
	64	7' - 3"	7' - 3"
	68	6' - 10"	6' - 10"
	72	6' - 5"	6' - 5"
	76	6' - 1"	6' - 1"
80	5' - 9"	5' - 9"	

FLORIDA BUILDING CODE, 2004

0.040" 0.050" 0.060" ALUM. STORM PANELS

Thornton-Tomasetti Group

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Professional Engineer
No. 00000000

REVISIONS:

NO.	DATE	BY	DESCRIPTION
1	04/28/05	VJK	PREV. DRAWING

date: 04/28/2005

scale: AS NOTED

design by: VJK

checked by: VJK

drawing no. 05-350

sheet 6 of 6

Professional Engineer
No. 00000000

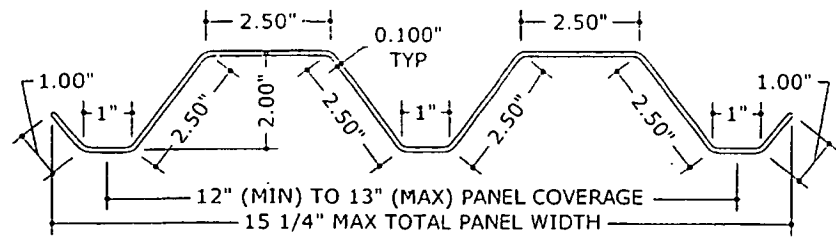
Phone: (866) 226-5019 • Fax: (954) 970-7703



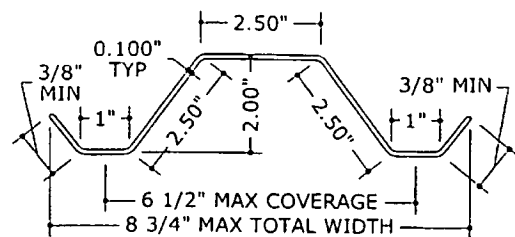
POLYCARBONATE STORM PANELS (Non-HVHZ)

FRANK L. BENNARDO, P.E.
PE0046549

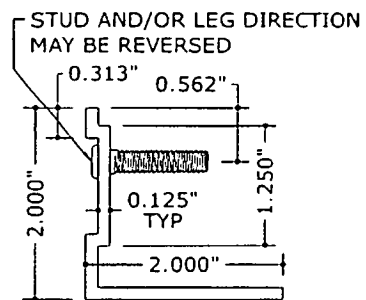
09/28/2005



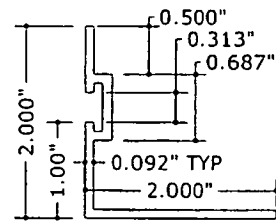
1 FULL PANEL PROFILE
3" = 1'-0" (SEE GEN NOTE 7)



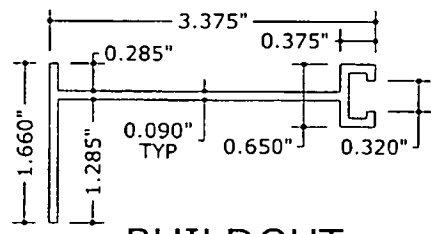
2 HALF PANEL PROFILE
3" = 1'-0" (SEE GEN NOTE 7)



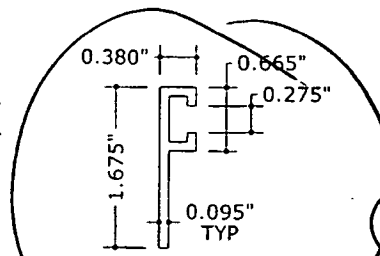
3 STUD ANGLE
6" = 1'-0"



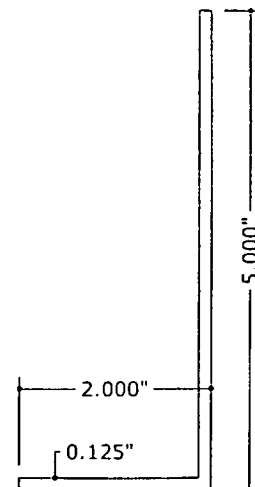
4 REVERSE 'F' ANGLE
6" = 1'-0"



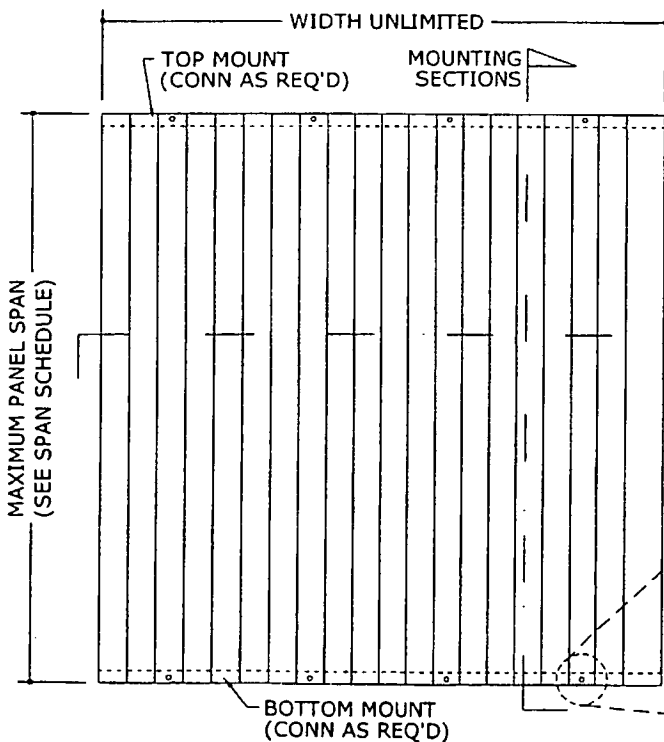
5 BUILDOUT 'F' TRACK
6" = 1'-0"



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

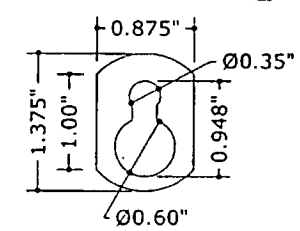


7 CLOSURE ANGLE
6" = 1'-0"

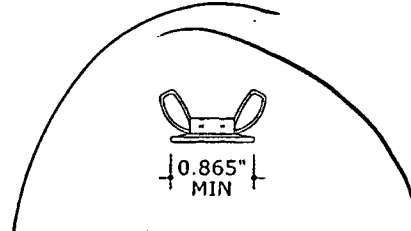


1 TYPICAL ELEVATION
1 N.T.S.

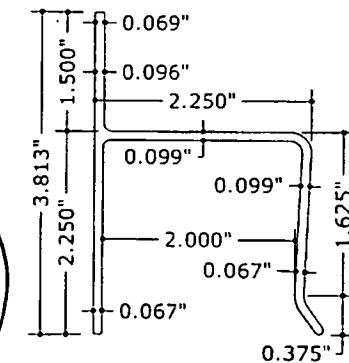
PLAN VIEWS



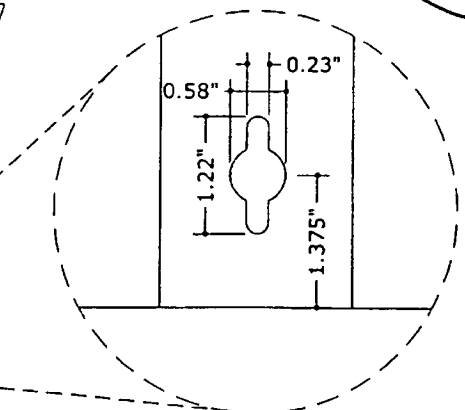
8 KEYHOLE WASHER
6" = 1'-0"



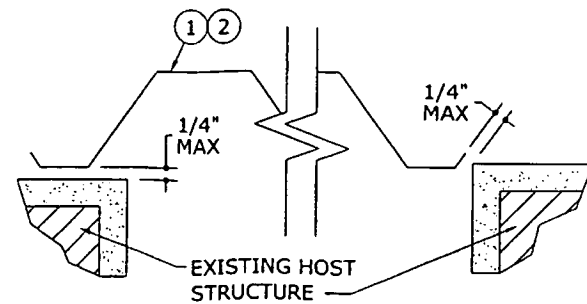
9 WASHERED WINGNUT
6" = 1'-0"



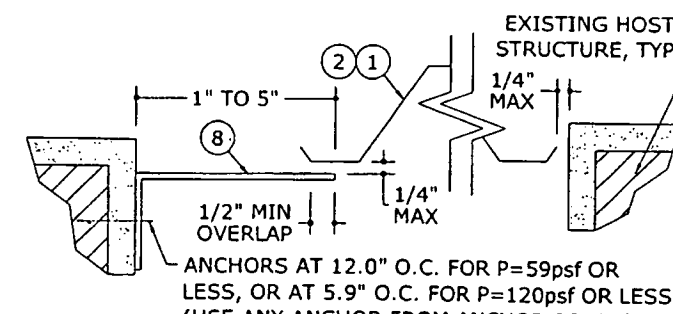
10 'H' HEADER
6" = 1'-0"



2 KEYHOLE DETAIL
1 N.T.S. ALT: FIELD DRILL Ø3/8" HOLE (OR Ø5/8" HOLE W/ KEYHOLE WASHER)



3 WALL MOUNT CLOSURE
1 3" = 1'-0" PLAN VIEW



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

GENERAL NOTES:

- THIS SYSTEM HAS BEEN TESTED AND EVALUATED AS A LARGE MISSILE IMPACT PROTECTIVE SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE AND THE 2000 INTERNATIONAL BUILDING/RESIDENTIAL CODE PER ASTM STANDARDS E330, E1886, & E1996. PANELS ARE APPROVED FOR USE IN FLORIDA OUTSIDE THE HIGH VELOCITY HURRICANE ZONE, OR THROUGHOUT OTHER AREAS GOVERNED BY THE 2000 IBC/IRC.
- TESTING HAS BEEN PERFORMED IN ACCORDANCE WITH THE ASTM E1996-02 STANDARD FOR USE IN HIGH VELOCITY WIND ZONES (WIND ZONE 4) WHERE THE BASIC WIND SPEED IS GREATER THAN 140 MPH.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT.
- POSITIVE AND NEGATIVE DESIGN PRESSURES TO BE USED WITH THESE DRAWINGS SHALL BE DETERMINED BY OTHERS FOR SPECIFIC JOBS IN ACCORDANCE WITH THE GOVERNING CODE. WHEN CALCULATING PRESSURES PER ASCE 7-98, USE OF DIRECTIONALITY FACTOR $K_d=0.85$ IS ALLOWED.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. IF SITE CONDITIONS DEVIATE FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS TO BE USED IN CONJUNCTION WITH THIS DOCUMENT.
- PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND NEW SUPERIMPOSED LOADS.
- CLEAR POLYCARBONATE STORM PANELS (FULL AND HALF) MAY VARY IN "COVERAGE" WIDTH UP TO THE RESPECTIVE MAXIMA SHOWN HEREIN, PROVIDED THAT THE PANEL PROFILE HEIGHT BE MAINTAINED.
- ALL POLYCARBONATE PANELS SHALL BE MANUFACTURED BY TRANSPARENT PROTECTION SYSTEMS, Inc.
- THIS PRODUCT APPROVAL IS FOR THE USE OF CLEAR POLYCARB PANELS ONLY. ALL POLYCARB PANELS SHALL BE EXTRUDED WITH THICKNESS $t=0.100"$ ($\pm 0.010"$) AND SHALL BE FABRICATED FROM 100% G.E. SYNTHETIC THERMOPLASTIC POLYMER LEXAN RESIN #103-112 (UV STABILIZED) OR EQUIVALENT. THIS MATERIAL IS COMPARABLE TO G.E. LEXAN POLYMER SHEET #9034, AS APPROVED UNDER MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE #03-0924.01. MINIMUM SYNTHETIC THERMOPLASTIC POLYMER TENSILE STRENGTH $F_y=8.908$ KSI, FLEXURAL STRENGTH $F_{by}=12.90$ KSI, & FLEXURAL MODULUS IS 328.7 KSI.
- ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, U.N.O.
- PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER PANEL CONTAINING THE FOLLOWING:
TRANSPARENT PROTECTION SYSTEMS, INC.
WEST PALM BEACH, FLORIDA
- STORM PANELS HAVE BEEN DESIGNED AND TESTED TO THE MAXIMUM SPANS AND CORRESPONDING LOADS SHOWN HEREIN. REFERENCE CONSTRUCTION TESTING CORPORATION (CTC OF MIAMI, FL) TEST REPORTS #04-009-FE-ASTM & #04-009-LE-ASTM.
- TOP & BOTTOM MOUNTING SECTIONS MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE. PANELS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY AS APPLICABLE.
- USE OF KEYHOLE WASHERS IS OPTIONAL IN CONJUNCTION WITH ANY MOUNTING CONDITION. HOLES MAY BE FIELD DRILLED AT Ø3/8" (OR Ø5/8" WITH KEYHOLE WASHER) WITH ANY FASTENER TYPE. WASHERED WINGNUTS SHALL HAVE 0.865" MINIMUM WASHER DIAMETER.
- ALL BOLTS & WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI.

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

Transparent Protection Systems, Inc.
TPS
6643 42nd Terrace North
West Palm Beach, FL 33407
CLEARGUARD POLYCARBONATE STORM PANEL (NON-HVHZ)
FLORIDA STATEWIDE APPROVAL

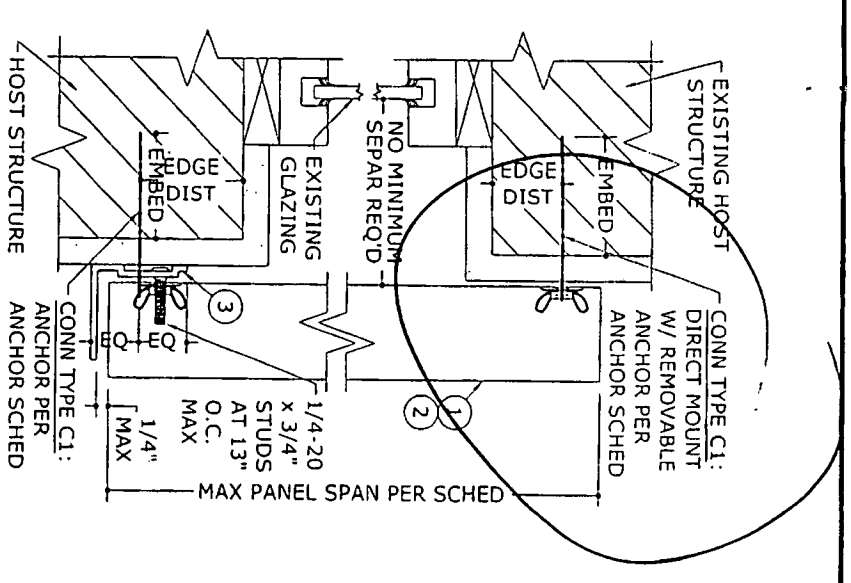
REMARKS	CHKD	DATE
ORIG ISSUE	CL	8/17/04
2ND ISSUE	CL	9/15/04
2004 FBC	CL	8/5/05

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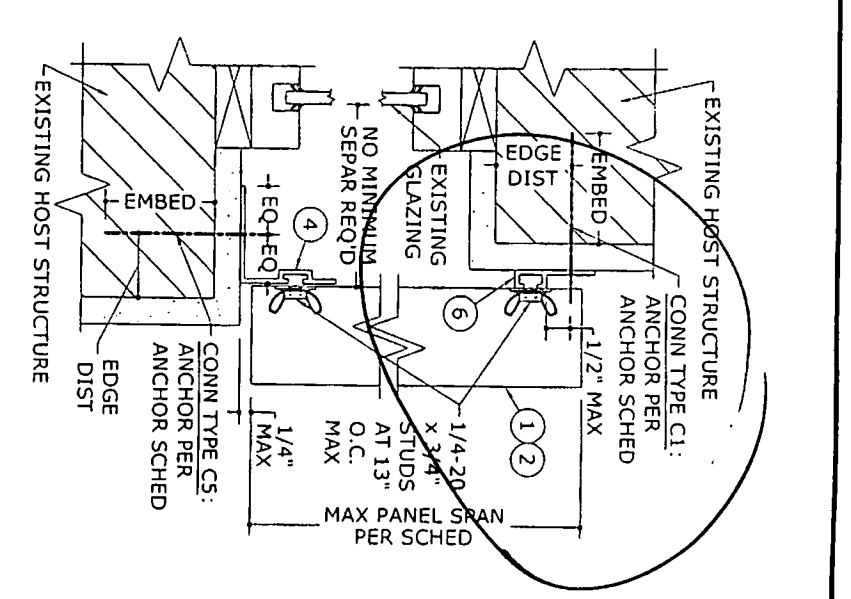
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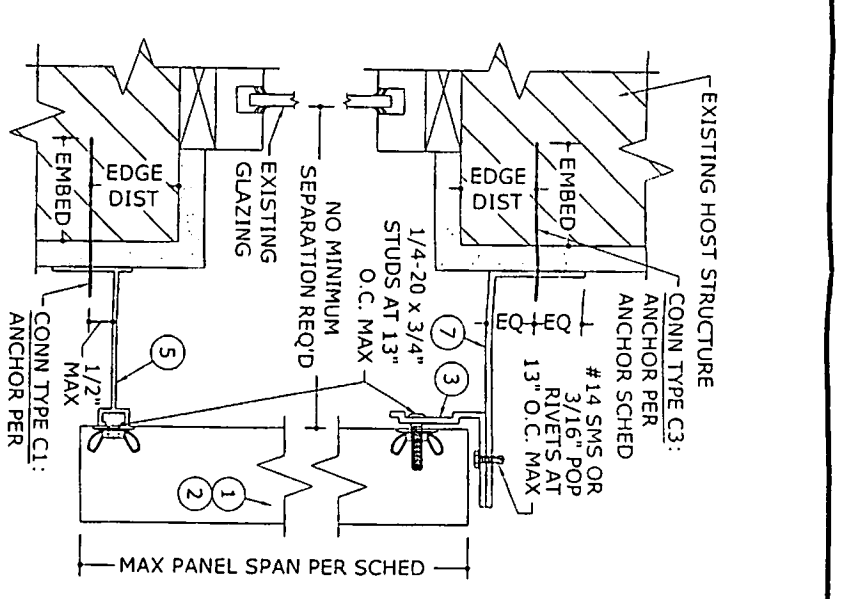
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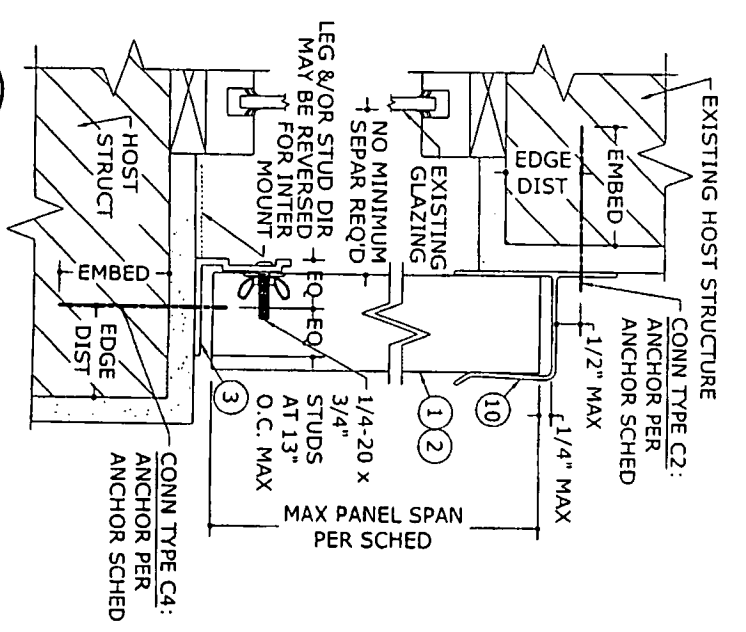
1 MOUNTING SECTION
3" = 1'-0"
VERT SECTION



2 MOUNTING SECTION
3" = 1'-0"
VERT SECTION



3 MOUNTING SECTION
3" = 1'-0"
VERT SECTION



4 MOUNTING SECTION
3" = 1'-0"
VERT SECTION

MAXIMUM PANEL SPAN SCHEDULE (POSITIVE CONN.)

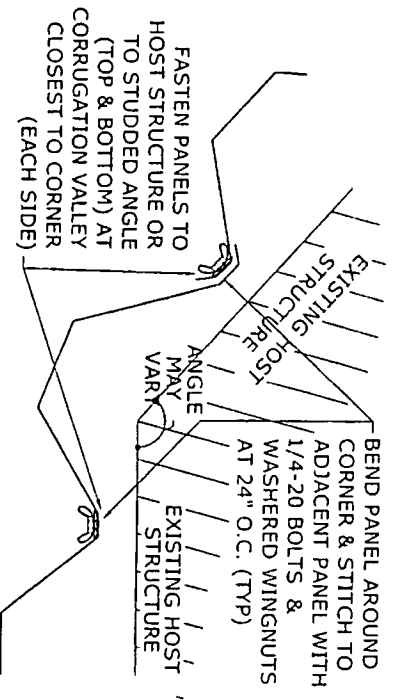
LOAD (psf)	MAX SPAN (ft)
25	11'-4"
30	10'-4"
35	9'-7"
40	8'-11"
45	8'-5"
50	8'-0"
55	7'-2"
60	7'-4"
65	7'-0"
70	6'-7"
75	6'-1"
80	5'-9"
90	5'-1"
100	4'-7"
110	4'-2"
120	3'-10"

MAXIMUM PANEL SPAN SCHEDULE (W/ "H" HEADER)

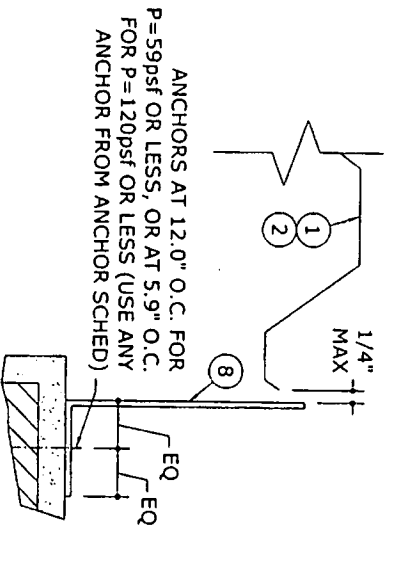
LOAD (psf)	MAX SPAN (ft)
17.3	8'-7"
24.2	7'-9"
34.6	7'-0"
41.6	6'-0"
55.4	5'-0"
104	4'-0"

MAXIMUM SPAN SCHEDULE NOTES:

1. SPANS SHOWN IN "MAX PANEL SPAN SCHEDULE" ABOVE ARE MAXIMUM ALLOWABLE SPANS AT EACH RESPECTIVE DESIGN PRESSURE.
2. THIS SCHEDULE MAY BE USED TO DETERMINE MAXIMUM ALLOWABLE SPANS FOR PANELS INSTALLED USING ANY COMBINATION OF MOUNTING EXTRUSIONS INVOLVING A POSITIVE CONNECTION - i.e. ALL INSTALLATIONS WHICH DO NOT INCLUDE AN "H" HEADER.
3. TABLE ABOVE IS VALID FOR PANELS MOUNTED HORIZONTALLY OR VERTICALLY. SPAN DIRECTION IS ALWAYS PERPENDICULAR TO LINE OF ANCHORAGE.



5 CORNER CLOSURE
N.T.S.
PLAN VIEW



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

<p>2</p>	<p>TPS Transparent Protection Systems, Inc. 6643 42nd Terrace North West Palm Beach, FL 33407</p>	<p>FRANK L. BENNARDO, P.E., INC. CONSULTING ENGINEERS 4441 NORTH DIXIE HIGHWAY BOCA RATON, FL 33431 (561) 391-2888 FAX: (561) 391-2862 WWW.FLBENGINEERING.COM CERTIFICATE OF AUTHORIZATION: #9885</p>	<p>09/28/2005</p> <p>FRANK L. BENNARDO, P.E. # PE00046549</p>												
<p>REMARKS</p> <table border="1"> <tr><td>ORIG ISSUE</td><td>CL</td><td>FLB</td><td>8/17/04</td></tr> <tr><td>2ND ISSUE</td><td>CL</td><td>FLB</td><td>9/15/04</td></tr> <tr><td>2004 FBC</td><td>CL</td><td>FLB</td><td>8/5/05</td></tr> </table>		ORIG ISSUE	CL	FLB	8/17/04	2ND ISSUE	CL	FLB	9/15/04	2004 FBC	CL	FLB	8/5/05	<p>THIS DOCUMENT IS THE PROPERTY OF FRANK L. BENNARDO, P.E. AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF FRANK L. BENNARDO, P.E. ** ALTERATIONS, ADDITIONS, HIGHLIGHTING, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.</p>	
ORIG ISSUE	CL	FLB	8/17/04												
2ND ISSUE	CL	FLB	9/15/04												
2004 FBC	CL	FLB	8/5/05												
<p>03-155-1343b</p>		<p>CLEARGUARD POLYCARBONATE STORM PANEL (NON-HVHZ) FLORIDA STATEWIDE APPROVAL</p>													

GENERAL NOTES:

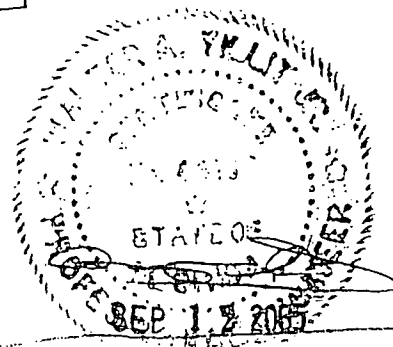
1. EXTRUDED BERTHA BAHAMA SHUTTER SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P. E. D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2004 EDITION OF THE FLORIDA BUILDING CODE. THIS BAHAMA SHUTTER SHALL NOT BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. (MIAMI DADE/ BROWARD COUNTY) DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1609 OF THE ABOVE MENTIONED CODE. FOR A BASIC WIND SPEED AS REQUIRED BY THE JURISDICTION WHERE SHUTTER WILL BE INSTALLED. IN ACCORDANCE W/ ASCE 7-98 STANDARD. IN ORDER TO VERIFY THAT ANCHORS ON THIS P.E.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS USED IN THEIR ANALYSIS. HOWEVER, FOR LAG SCREWS INTO WOOD, A 1.60 WIND LOAD DURATION FACTOR WAS USED TO CALCULATE SCREWS SPACINGS. EXTRUDED BERTHA BAHAMA SHUTTER'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.4 OF THE ABOVE MENTIONED CODE AS PER ATL REPORTS #0923.01-97 AND #0309.01-04 AS PER TAS-201, TAS-202 AND TAS-203 PROTOCOLS.

- 2. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY AND TEMPER, WITH $F_y = 25.0$ ksi MINIMUM (UNLESS OTHERWISE NOTED).
- 3. ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH 50 ksi YIELD POINT AND 90 ksi TENSILE STRENGTH.
- 4. BOLTS TO BE ASTM A-307 GALVANIZED STEEL, OR AISI 304 SERIES STAINLESS STEEL WITH 35 ksi MINIMUM YIELD STRENGTH.
- 5. ALL ALUMINUM POP RIVETS TO BE 5052 ALUMINUM ALLOY WITH ALUMINUM MANDREL.
- 6. ANCHORS TO WALL SHALL BE AS FOLLOWS: (UNLESS OTHERWISE NOTED)
 - (A) TO EXISTING POURED CONCRETE: (Min. $f'_c = 3000$ p.s.i)
 - 1/4" # TAPCON ANCHORS AS MANUFACTURED BY I.T.W. BUILDDEX.
 - 1/4" # x 7/8" CALK-IN ANCHORS AS MANUFACTURED BY THE POWERS FASTENERS, INC.

NOTES:

- A.1) MINIMUM EMBEDMENT OF TAPCON ANCHORS INTO POURED CONCRETE IS 1 1/2".
 - A.2) CALK-IN ANCHORS SHALL BE ENTIRELY EMBEDDED INTO THE POURED CONCRETE. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4" #-20 SCREWS USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST AND 1" MINIMUM FOR WALLS WITH NO STUCCO.
 - A.3) IN CASE THAT PRECAST STONE, PRECAST CONCRETE PANELS, OR PAVERS BE FOUND ON THE EXISTING WALL OR FLOOR, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS. ANCHORAGE SHALL BE AS INDICATED ON NOTES A.1) & A.2) ABOVE.
 - (B) TO EXISTING CONCRETE BLOCK WALL:
 - 1/4" # TAPCON ANCHORS AS MANUFACTURED BY I.T.W. BUILDDEX.
 - 1/4" # x 7/8" CALK-IN ANCHORS AS MANUFACTURED BY THE POWERS FASTENERS, INC.
- NOTES:**
- B.1) MINIMUM EMBEDMENT OF TAPCON ANCHORS INTO THE CONCRETE BLOCK UNIT SHALL BE 1 1/4".
 - B.2) CALK-IN ANCHORS SHALL BE ENTIRELY EMBEDDED INTO THE CONCRETE BLOCK UNIT. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4" #-20 SCREWS USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST AND 1" MINIMUM FOR WALLS WITH NO STUCCO.
 - B.3) IN CASE THAT PRECAST STONE OR PRECAST CONCRETE PANELS BE FOUND ON THE EXISTING WALL, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS. ANCHORAGE SHALL BE AS INDICATED ON NOTES B.1) & B.2) ABOVE.
 - (C) ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.

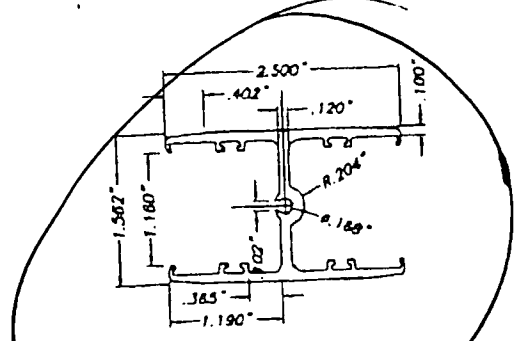
- 7. EACH SHUTTER SHALL HAVE A LEGIBLE AND READILY VISIBLE MARKING INSTRUCTING OWNER OR TENANT TO SECURE SHUTTER WITH SIDE & SILL BRACKETS DURING PERIODS OF HURRICANE WARNINGS.
- 8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE SHUTTER IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. CONTRACTOR TO SEAL/CAULK ALL SHUTTER COMPONENT EDGES WHICH REMAIN IN CONTINUOUS CONTACT WITH THE BUILDING TO PREVENT WIND/RAIN INTRUSION. CAULK AND SEAL SHUTTER TRACKS ALL AROUND FULL LENGTH.
- 9. BERTHA BAHAMA SHUTTER'S INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.
- 10. SHUTTER'S MANUFACTURER LABEL SHALL BE PLACED ON THE EXPOSED SURFACE OF THE BAHAMA FRAME "E" OR "G". ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABEL SHALL READ AS FOLLOWS:
AMERICAN SHUTTER SYSTEMS ASSOCIATION INC.
WEST PALM BEACH, FL.
FL STATEWIDE PRODUCT APPROVED.
- 11. (a) THIS PRODUCT EVALUATION DOCUMENT (P. E. D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i. e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P. E. D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS PRODUCT EVALUATION DOCUMENT, PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



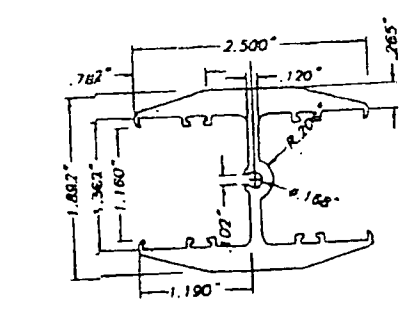
TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 4325 N.W. 11th St., Box 305, West Palm Beach, Florida 33410
 Phone: (561) 711-1530 Fax: (561) 711-1531
 EB-0006719
 WALTER A. TILLIT Jr., P. E.
 FLORIDA Lic. # 44187
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F.B.C. (Non High Velocity Hurricane Zone)

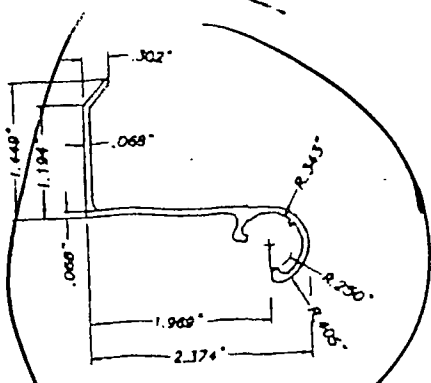
COMBINATION DRAWING: ASSA / EXTRUDED BERTHA BAHAMA SHUTTER (SHEETS 1 THRU 9 OF 21) ASSA / BERTHA COLONIAL SHUTTER (SHEETS 10 THRU 21 OF 21)		DRAWN BY: J.V.
ASSA / EXTRUDED BERTHA BAHAMA SHUTTER		9/12/05 DATE
AMERICAN SHUTTER SYSTEMS ASSOC., INC. 4268 WESTROADS DRIVE WEST PALM BEACH, FLORIDA 33407		05-279 DRAWING No
REV. No	DESCRIPTION	DATE
1	OLD 04-034	8/12/05
2		
SHEET 1 OF 21		



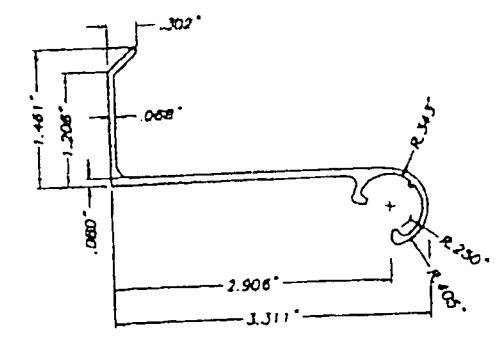
A1 REGULAR INTERIOR MULLION
6005-T5 Alum. ALLOY
SCALE: 1/2" = 1"



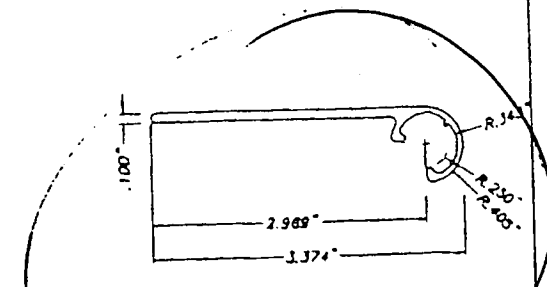
A2 HEAVY INTERIOR MULLION
6005-T5 Alum. ALLOY
SCALE: 1/2" = 1"



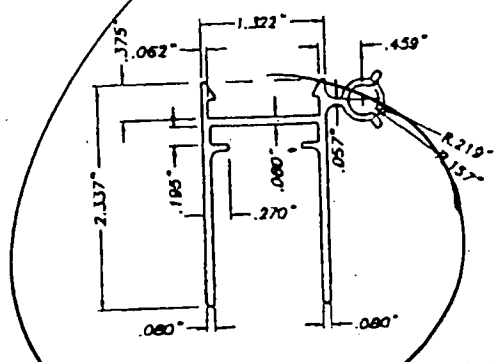
B FEMALE HINGE
SCALE: 1/2" = 1"



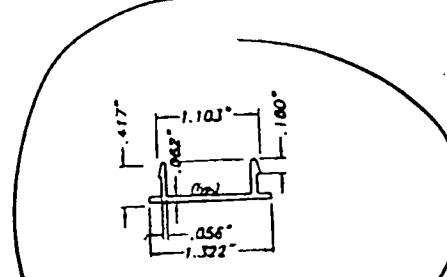
C 1" B. O. FEMALE HINGE
SCALE: 1/2" = 1"



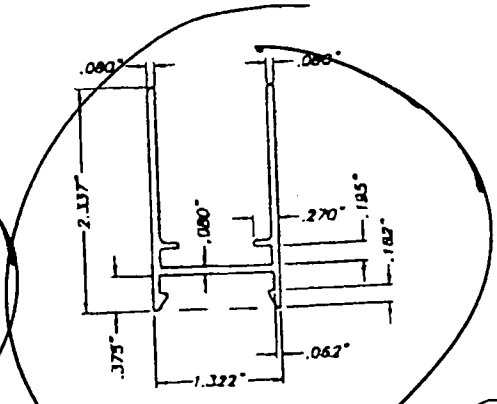
D FLAT FEMALE HINGE
SCALE: 1/2" = 1"



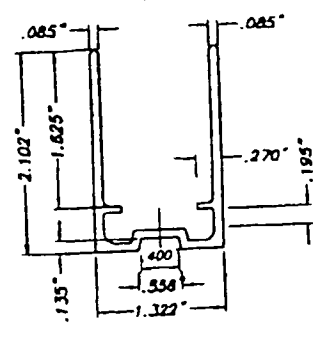
E BAHAMA MALE TOP FRAME
SCALE: 1/2" = 1"



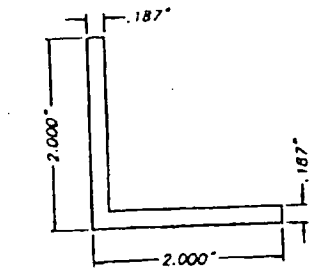
F SNAP CAP
SCALE: 1/2" = 1"



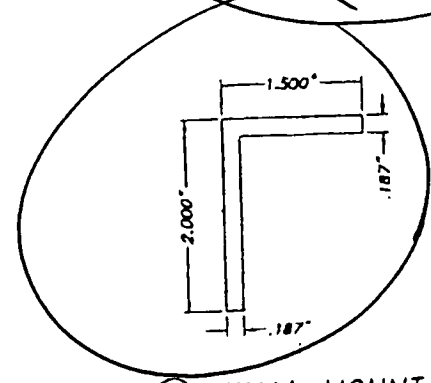
G BAHAMA FRAME
SCALE: 1/2" = 1"



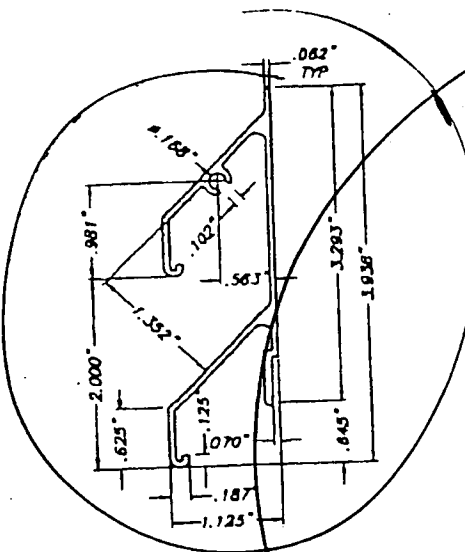
G1 ALTERNATE BAHAMA FRAME
SCALE: 1/2" = 1"



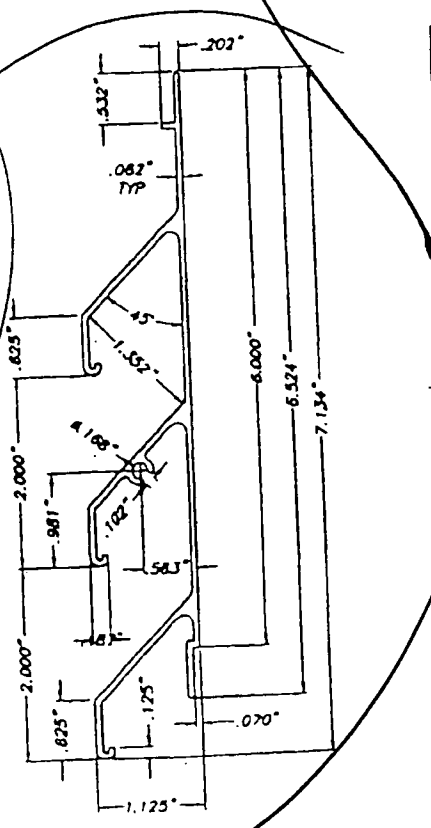
H CORNER KEY
1" LONG
SCALE: 1/2" = 1"



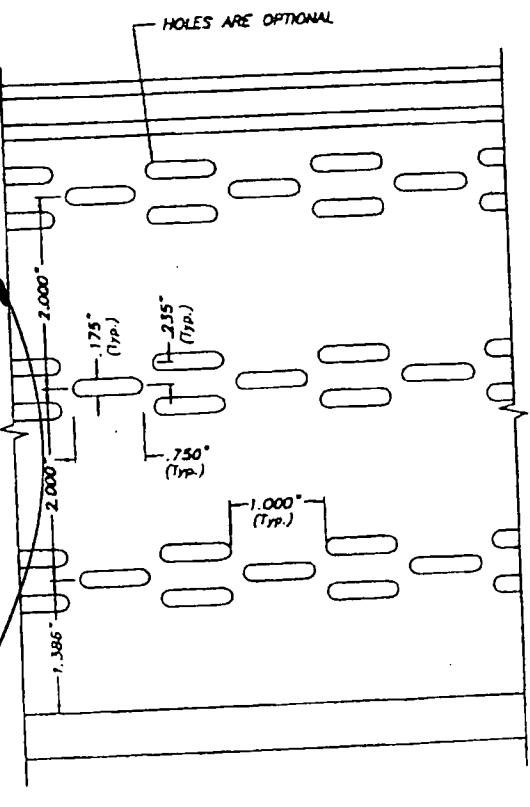
N WALL MOUNT Alum. BRACKET
7" LONG
SCALE: 1/2" = 1"



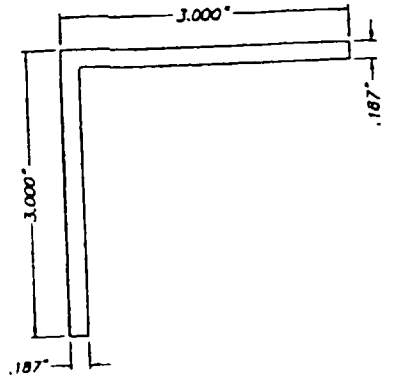
I HALF SHUTTER BLADE
SCALE: 1/2" = 1"



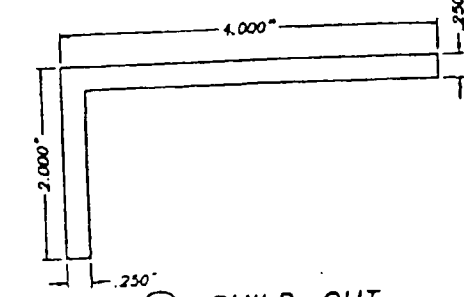
J SHUTTER BLADE
SCALE: 1/2" = 1"



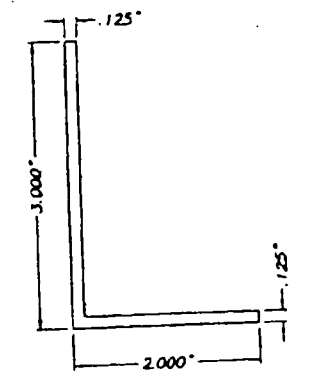
SHUTTER BLADE ELEVATION
SCALE: 1/2" = 1"



O BUILD-OUT Alum. BRACKET
7" LONG
SCALE: 1/2" = 1"

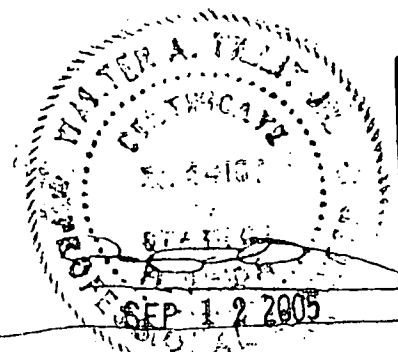


P BUILD-OUT SIDE BRACKET
7" LONG
SCALE: 1/2" = 1"



Q SILL ANGLE
SCALE: 1/2" = 1"

COMPONENTS

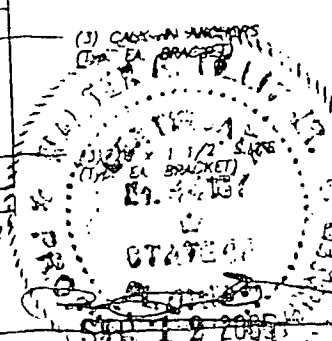
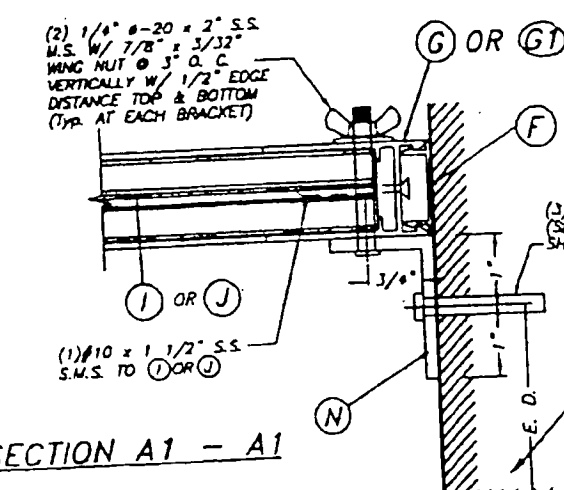
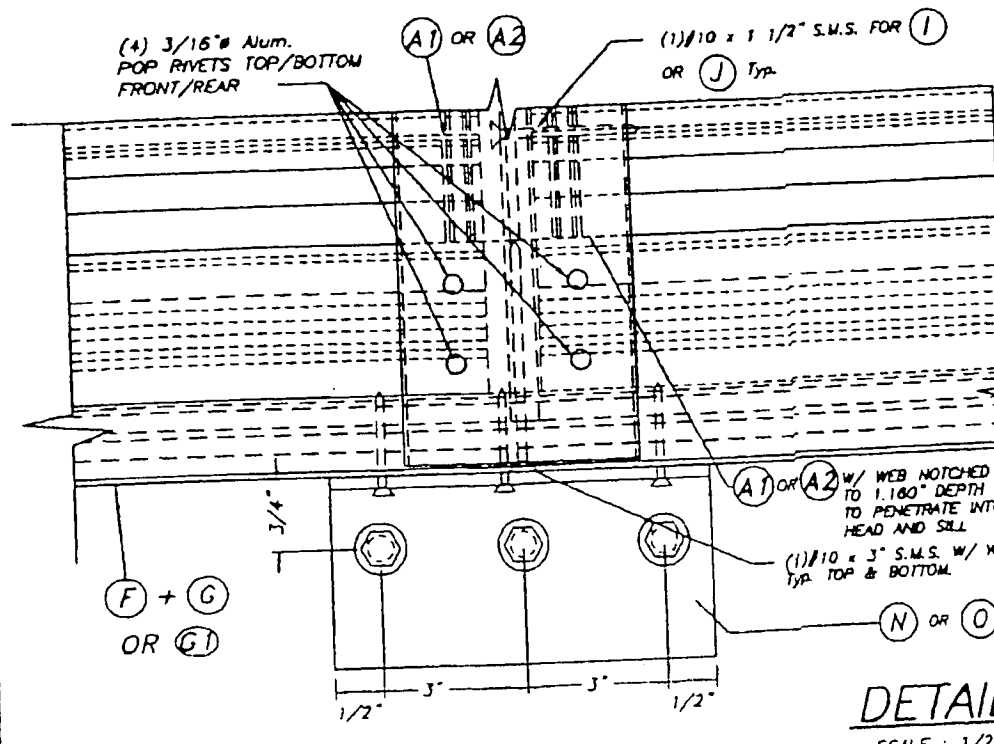
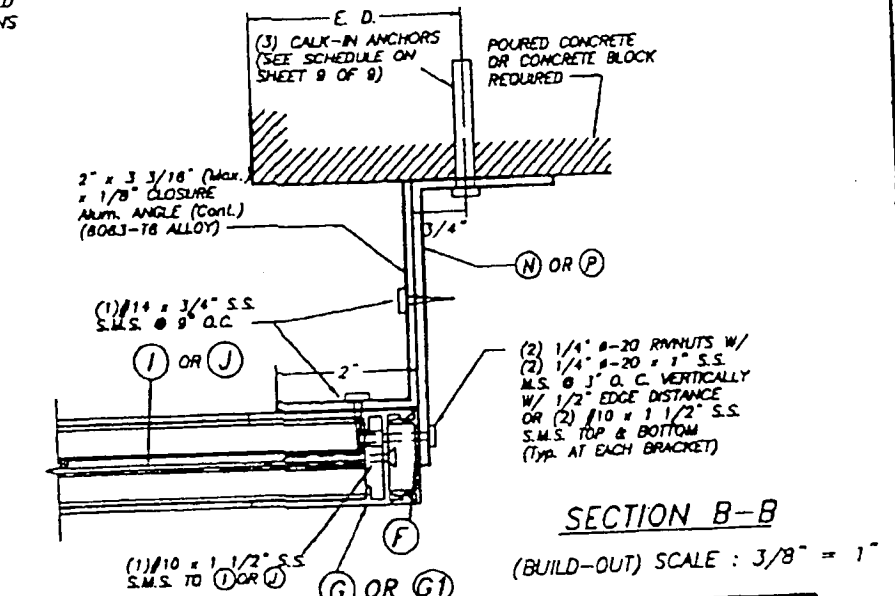
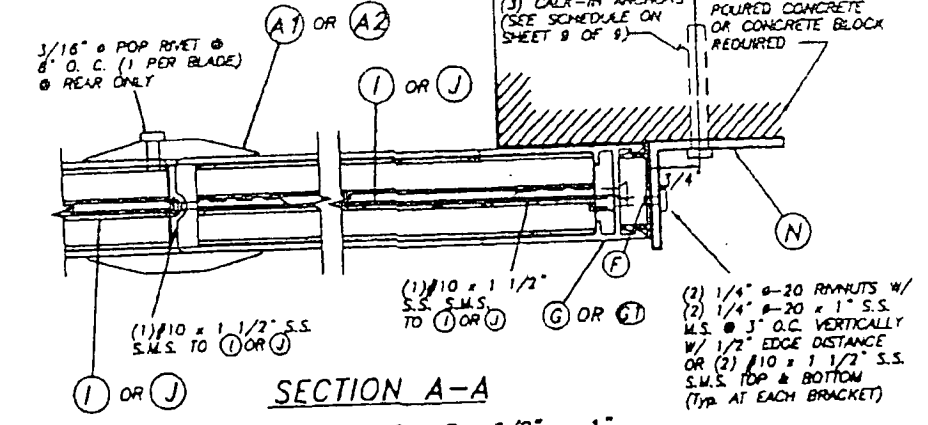
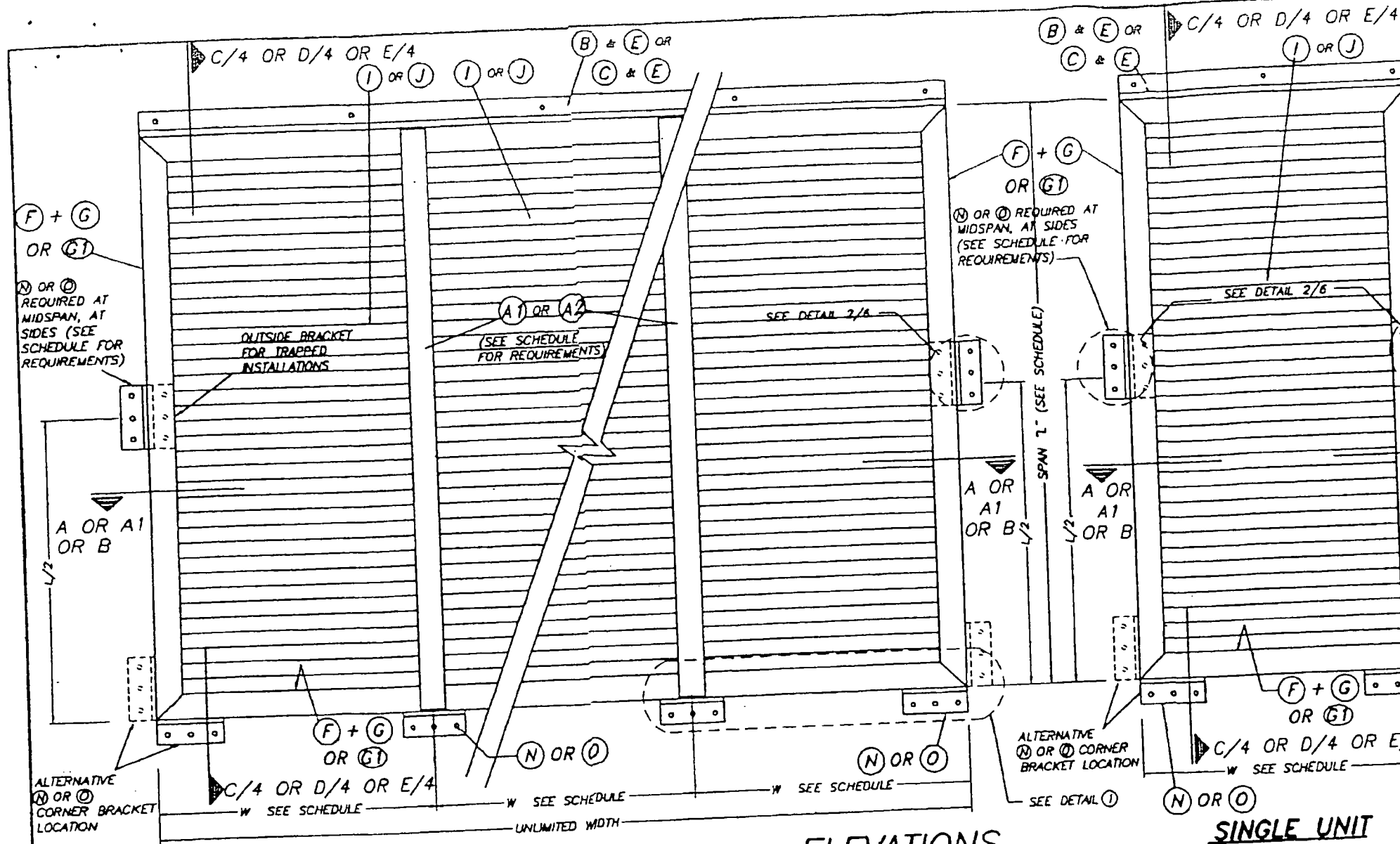


TILECO INC.
TILUT TESTING & ENGINEERING COMPANY
4255 N.W. 24TH ST., SUITE 305 WILMINGTON, FLORIDA 33706
Phone: (352) 871-1530 Fax: (352) 871-1531
EB-0008719
WALTER A. TILUT, JR., P. E.
FLORIDA LIC. # 44167
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F.B.C. (Non High Velocity Hurricane Zone)

COMBINATION DRAWING:
ASSA / EXTRUDED BERTHA BAHAMA SHUTTER (SHEETS 1 THRU 9 OF 21)
ASSA / BERTHA COLONIAL SHUTTER (SHEETS 10 THRU 21 OF 21)

ASSA / EXTRUDED BERTHA BAHAMA SHUTTER						DRAWN BY: J.V.
AMERICAN SHUTTER SYSTEMS ASSOC., INC.						9/12/05 DATE
4268 WESTROADS DRIVE WEST PALM BEACH, FLORIDA 33407						05-279 DRAWING No
REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE	SHEET 2 OF 21
1	OLD D4-G3H	8/12/05	1			



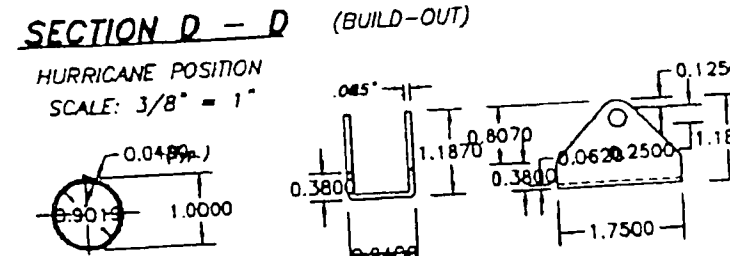
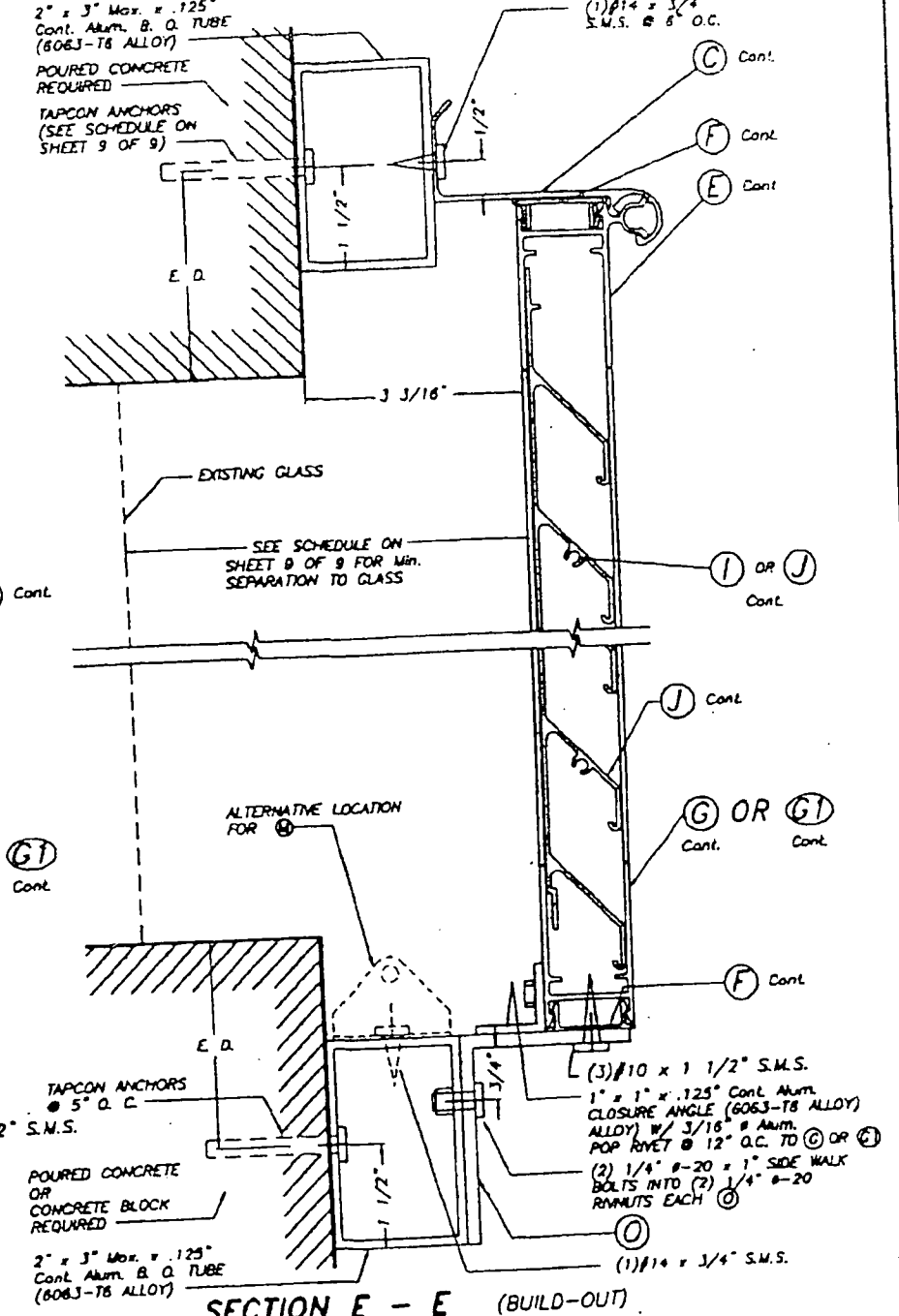
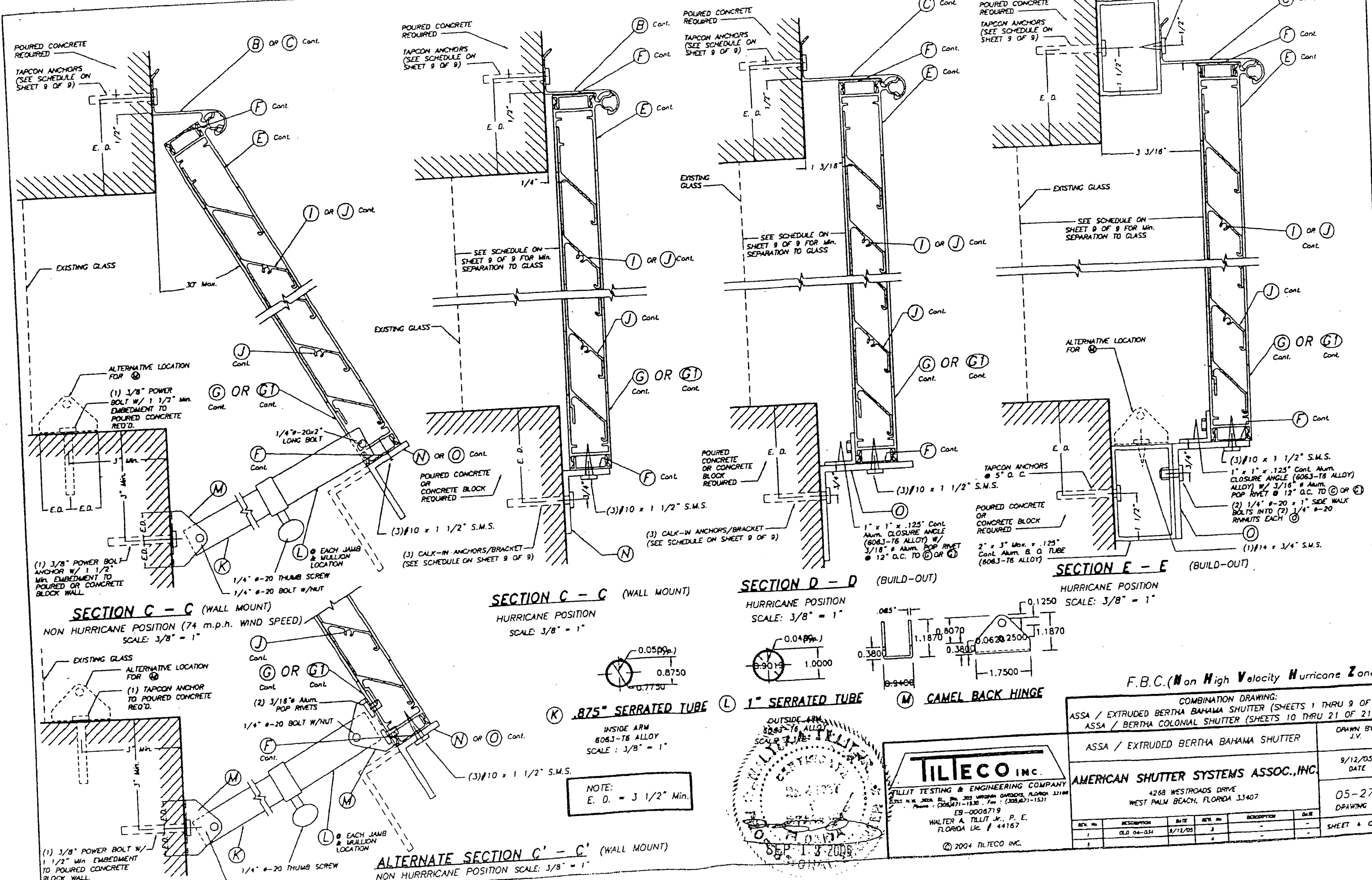
TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 2225 N.W. 36TH ST., SUITE 203 WILMINGTON, FLORIDA 33148
 PHONE: (305) 471-1530 FAX: (305) 471-1531
 EB-0006719
 WALTER A. TILLIT JR., P. E.
 FLORIDA LIC. # 44167
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F.B.C. (Non High Velocity Hurricane Zone)

COMBINATION DRAWING:
 ASSA / EXTRUDED BERTHA BAHAMA SHUTTER (SHEETS 1 THRU 9 OF 21)
 ASSA / BERTHA COLONIAL SHUTTER (SHEETS 10 THRU 21 OF 21)

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	OLD 04-034	9/12/05	2	-	-
3	-	-	4	-	-

ASSA / EXTRUDED BERTHA BAHAMA SHUTTER
 DRAWN BY: J.V.
 DATE: 9/12/05
 AMERICAN SHUTTER SYSTEMS ASSOC., INC.
 4288 WESTROADS DRIVE
 WEST PALM BEACH, FLORIDA 33407
 DRAWING No: 05-279
 SHEET 3 OF 21

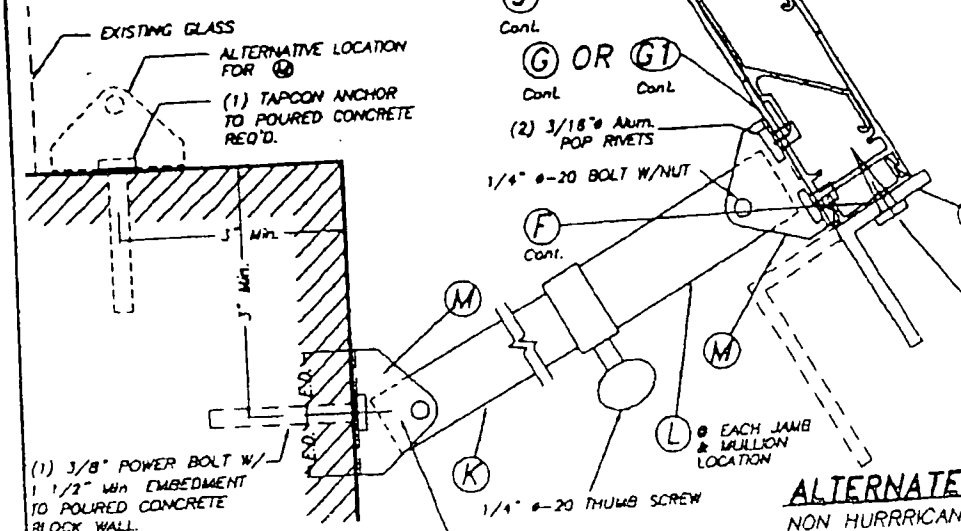


SECTION C - C (WALL MOUNT)
HURRICANE POSITION
SCALE: 3/8" = 1"

SECTION D - D (BUILD-OUT)
HURRICANE POSITION
SCALE: 3/8" = 1"

SECTION E - E (BUILD-OUT)
HURRICANE POSITION
SCALE: 3/8" = 1"

SECTION C - C (WALL MOUNT)
NON HURRICANE POSITION (74 m.p.h. WIND SPEED)
SCALE: 3/8" = 1"



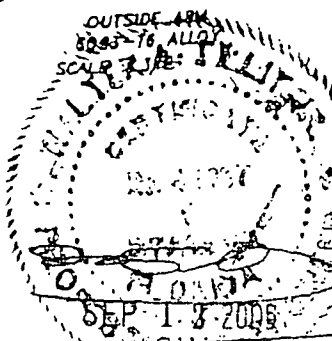
ALTERNATE SECTION C' - C' (WALL MOUNT)
NON HURRICANE POSITION
SCALE: 3/8" = 1"

(K) .875" SERRATED TUBE
INSIDE ARM
6063-T6 ALLOY
SCALE: 3/8" = 1"

(L) 1" SERRATED TUBE

(M) CAMEL BACK HINGE

NOTE:
E. D. = 3 1/2" Min.



TILTECO INC.
TILIT TESTING & ENGINEERING COMPANY
3225 N.W. 32nd St., Ft. Lauderdale, Florida 33309
Phone: (305) 471-1530, Fax: (305) 471-1531
EB-0006719
WALTER A. TILIT JR., P. E.
FLORIDA Lic. # 44167
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F.B.C. (Non High Velocity Hurricane Zone)

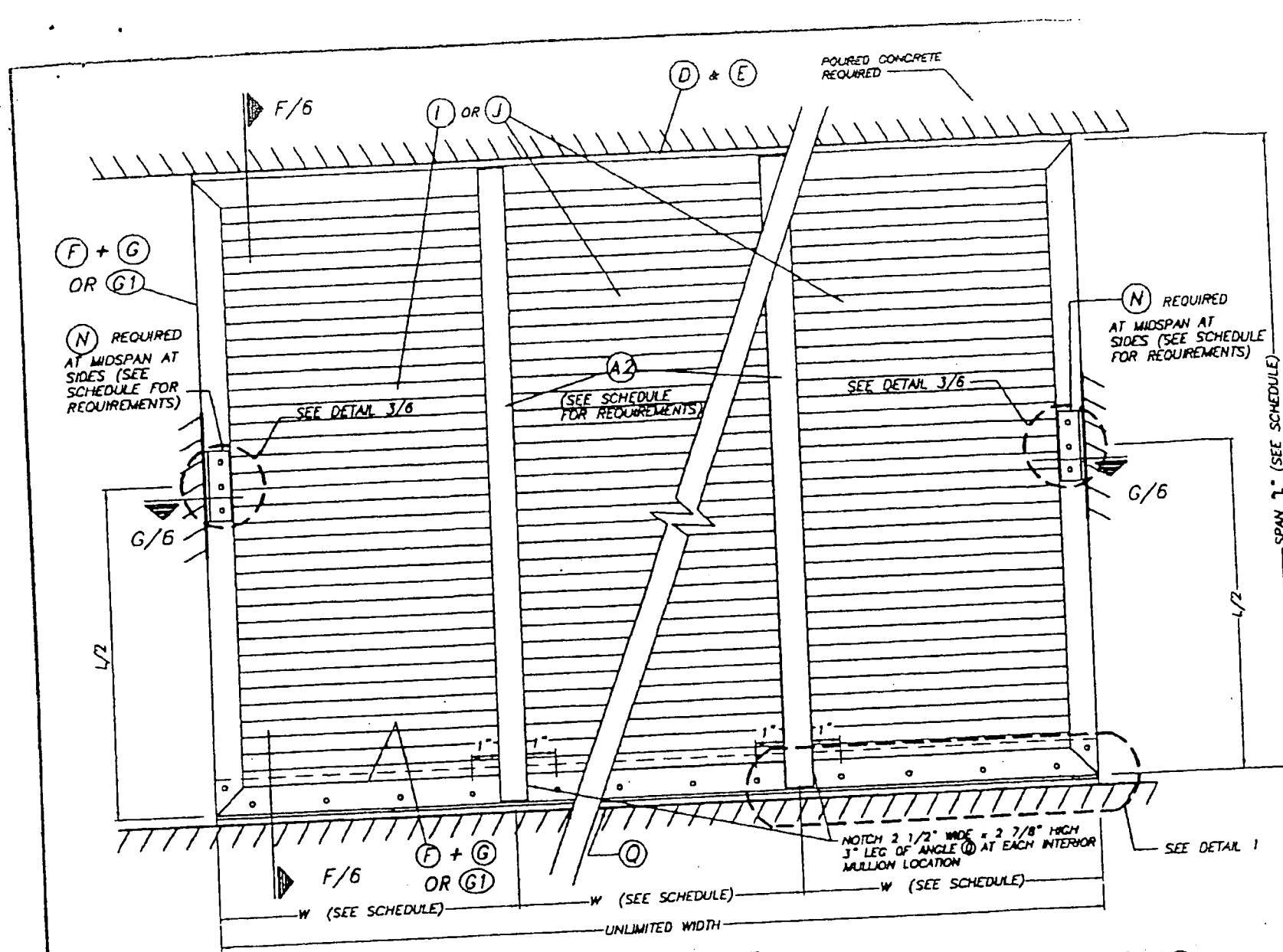
COMBINATION DRAWING:
ASSA / EXTRUDED BERTHA BAHAMA SHUTTER (SHEETS 1 THRU 9 OF 21)
ASSA / BERTHA COLONIAL SHUTTER (SHEETS 10 THRU 21 OF 21)

ASSA / EXTRUDED BERTHA BAHAMA SHUTTER

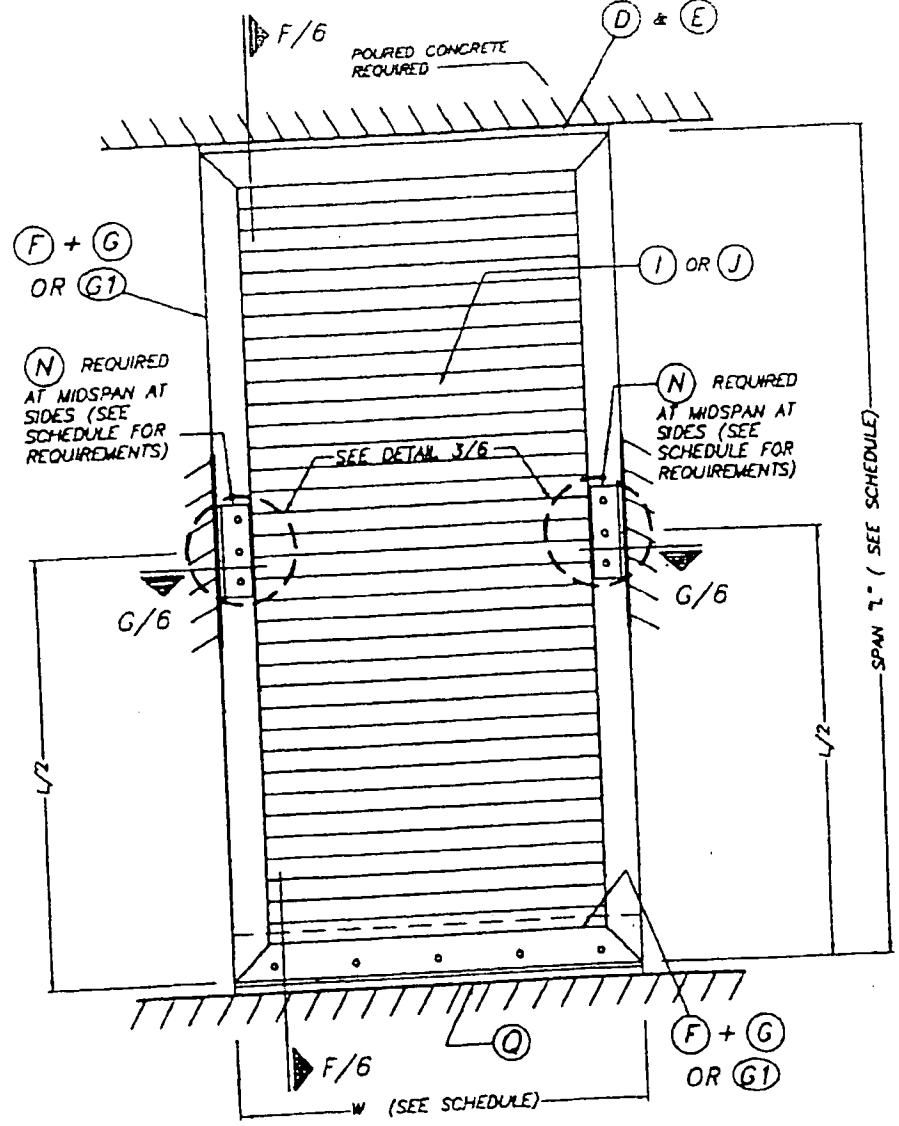
AMERICAN SHUTTER SYSTEMS ASSOC., INC.
4268 WESTROADS DRIVE
WEST PALM BEACH, FLORIDA 33407

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	OLD 04-034	8/12/03	2		
3			4		

DRAWN BY: J.V.
DATE: 9/12/03
DRAWING NO: 05-279
SHEET 4 OF 21



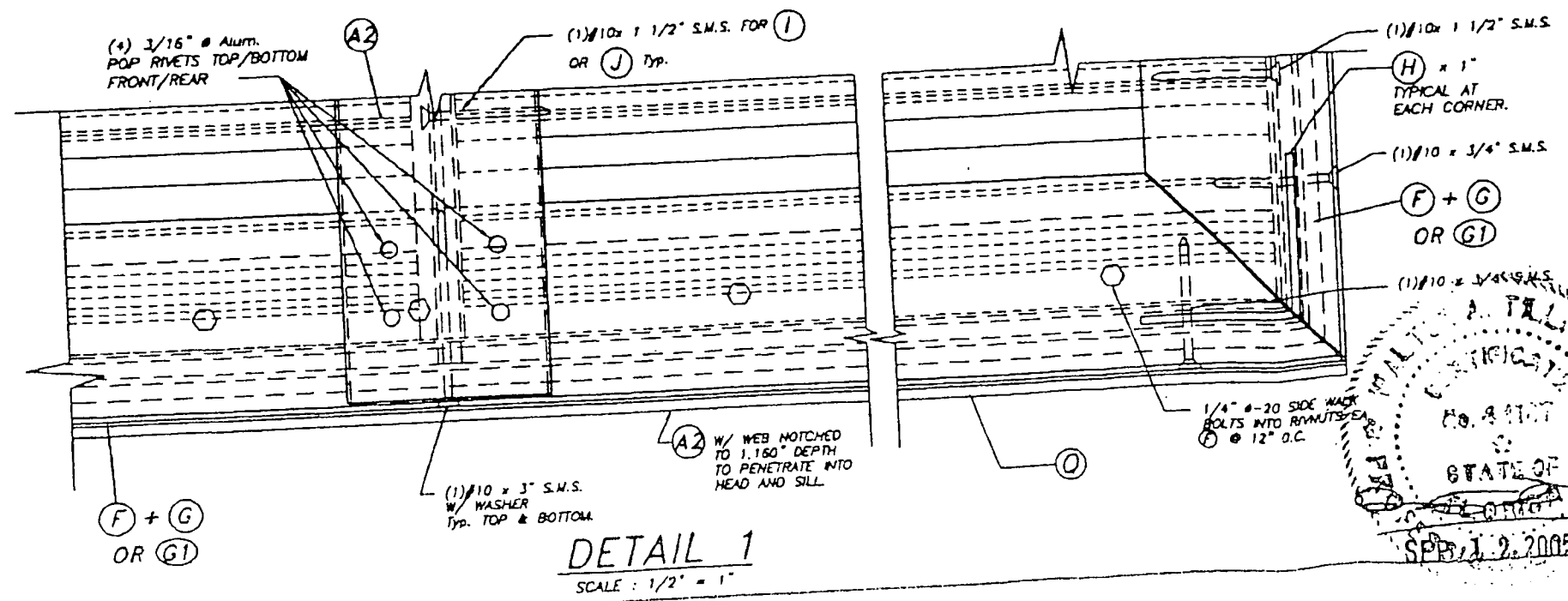
MULTIPLE UNIT



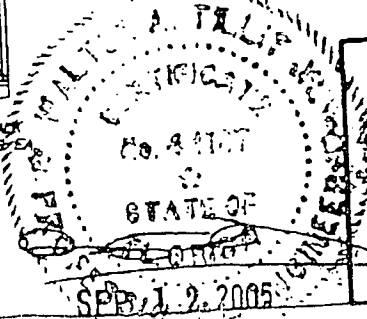
SINGLE UNIT

ELEVATIONS

N. T. S.



DETAIL 1
SCALE: 1/2" = 1"



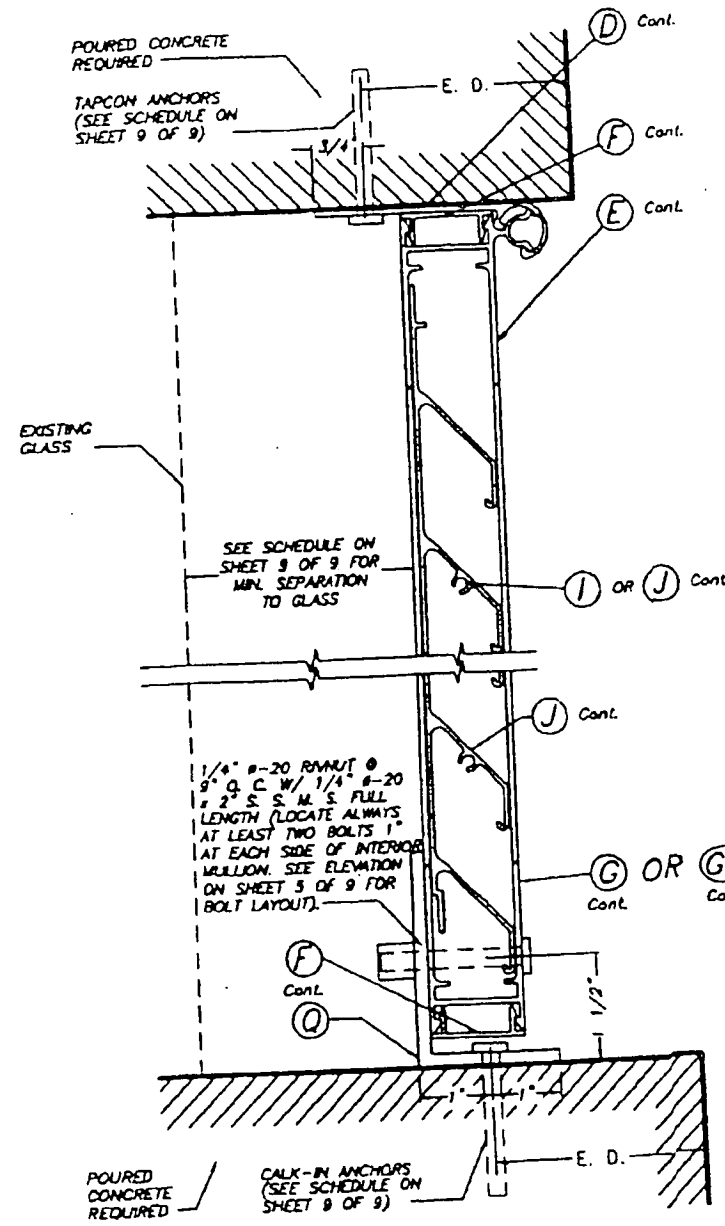
TILECO INC.
 TILIT TESTING & ENGINEERING COMPANY
 4268 WESTROADS DRIVE
 WEST PALM BEACH, FLORIDA 33407
 TEL: (561) 833-1100 FAX: (561) 833-1101
 EB-0006719
 WALTER A. TILIT, P. E.
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F.B.C. (Non High Velocity Hurricane Zone)

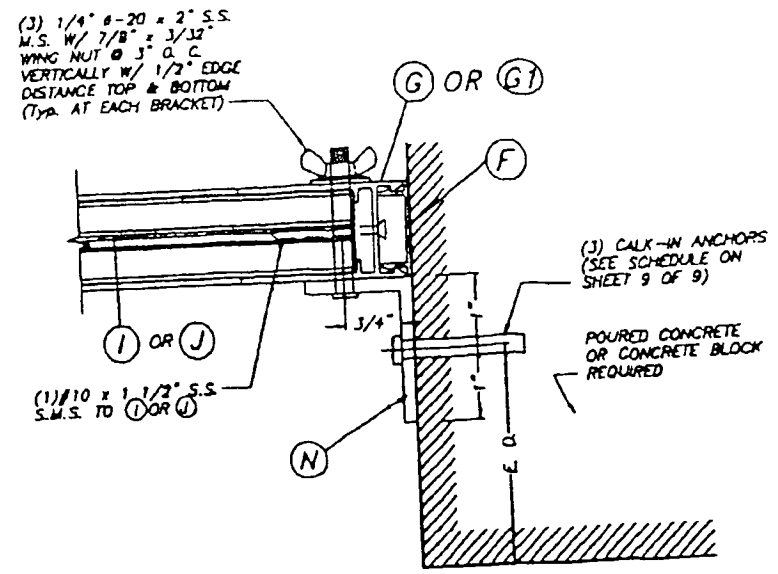
COMBINATION DRAWING:
 ASSA / EXTRUDED BERTHA BAHAMA SHUTTER (SHEETS 1 THRU 9 OF 21)
 ASSA / BERTHA COLONIAL SHUTTER (SHEETS 10 THRU 21 OF 21)

ASSA / EXTRUDED BERTHA BAHAMA SHUTTER		DRAWN BY: J.V.	
		9/12/05 DATE	
AMERICAN SHUTTER SYSTEMS ASSOC., INC.		05-279 DRAWING No	
4268 WESTROADS DRIVE WEST PALM BEACH, FLORIDA 33407		SHEET 5 OF 21	

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	OLD 04-024	8/12/05	1		
2			2		

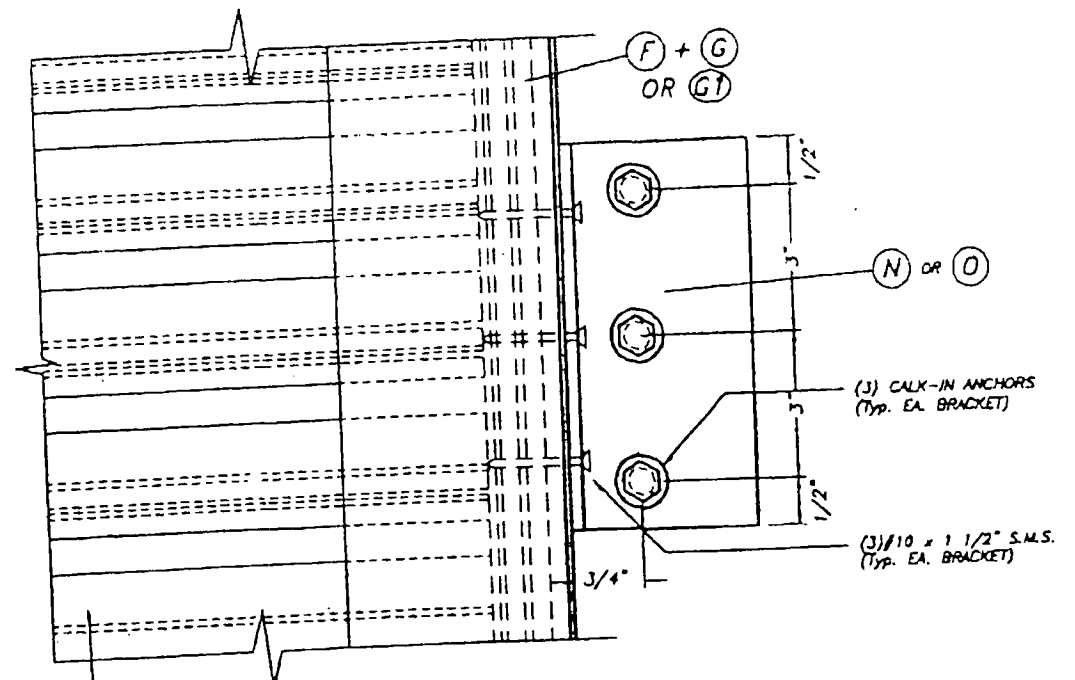


SECTION F - F (TRAPPED MOUNT)
HURRICANE POSITION
SCALE: 3/8" = 1"

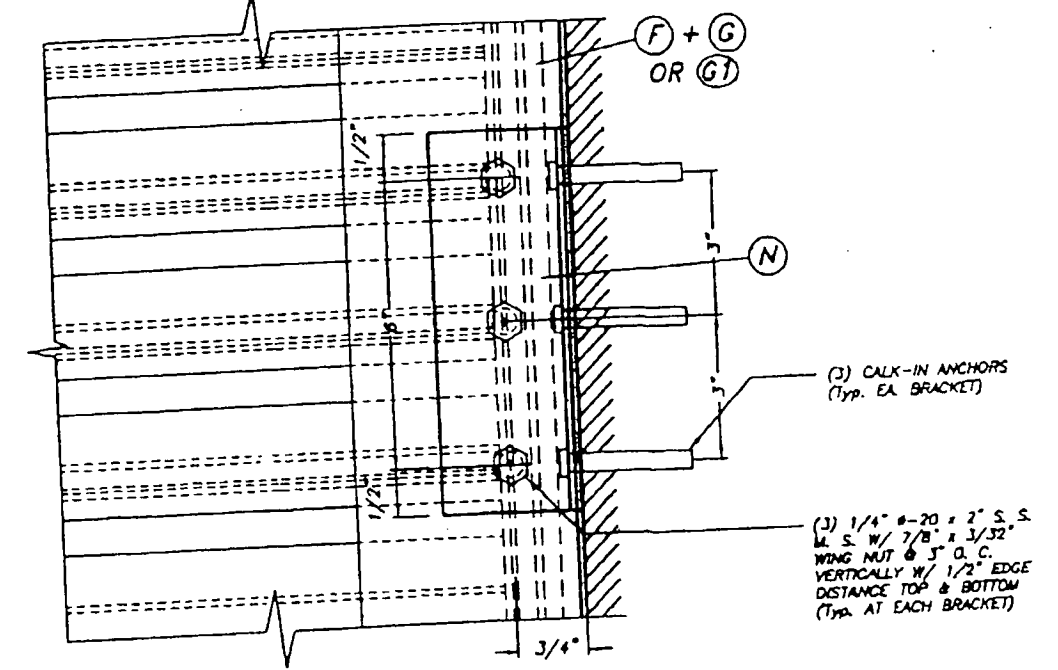


SECTION G - G (TRAPPED MOUNT)
HURRICANE POSITION
SCALE: 3/8" = 1"

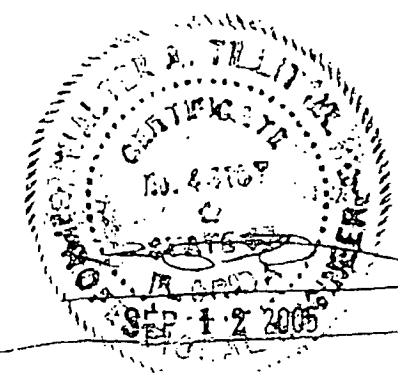
NOTE:
E. D. = 3 1/2" Min.



DETAIL 2 WALL MOUNT.
SCALE: 1/2" = 1"



DETAIL 3 TRAPPED
SCALE: 1/2" = 1"



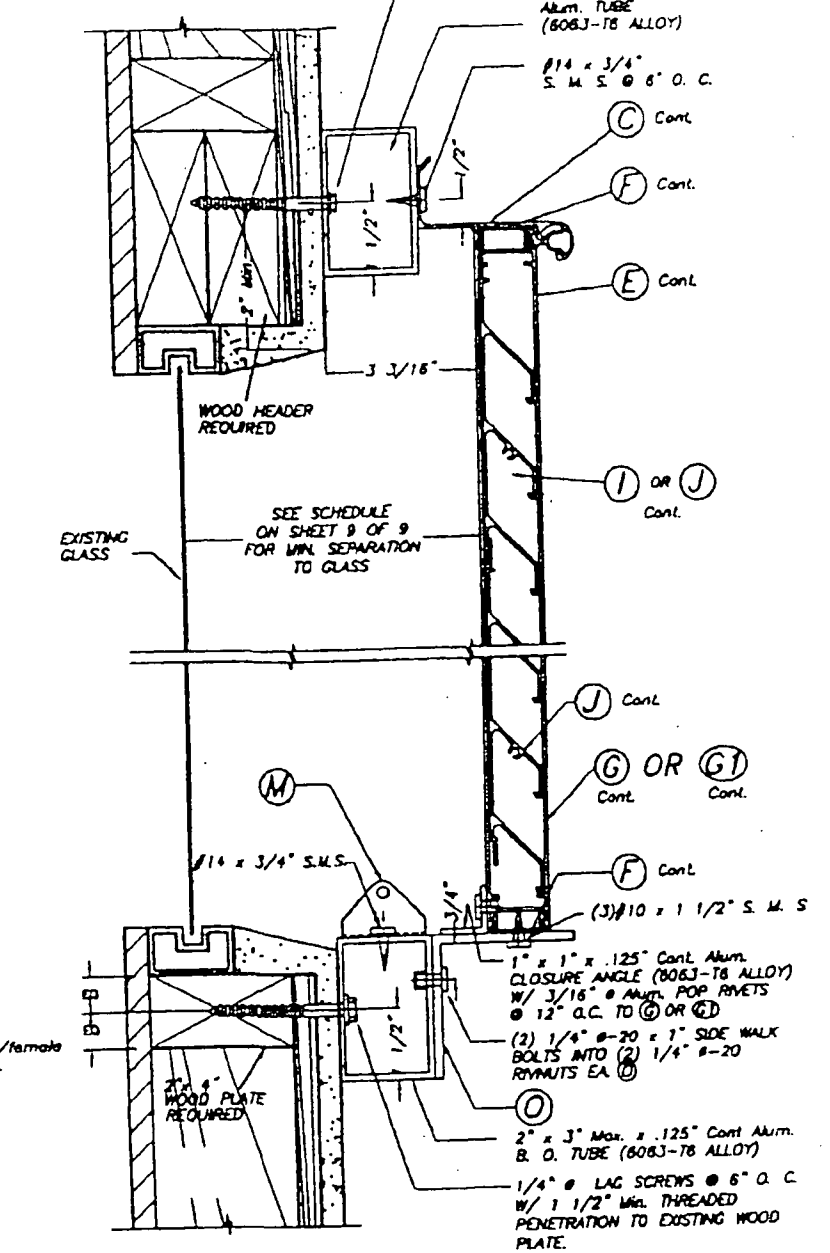
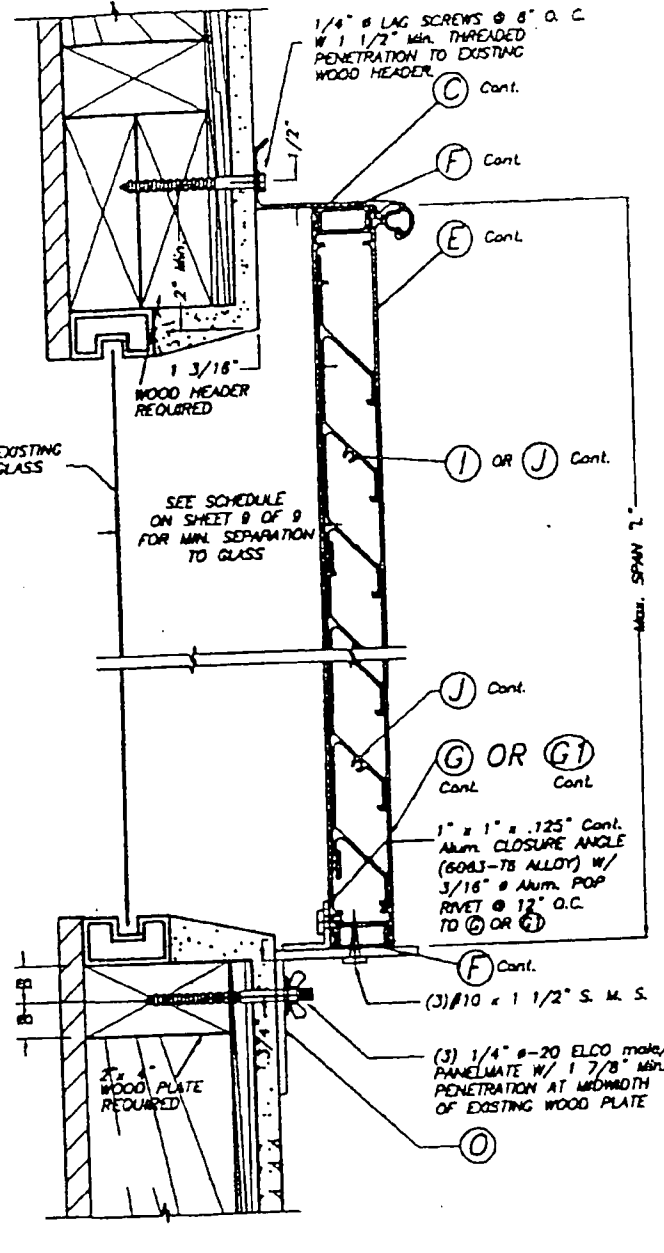
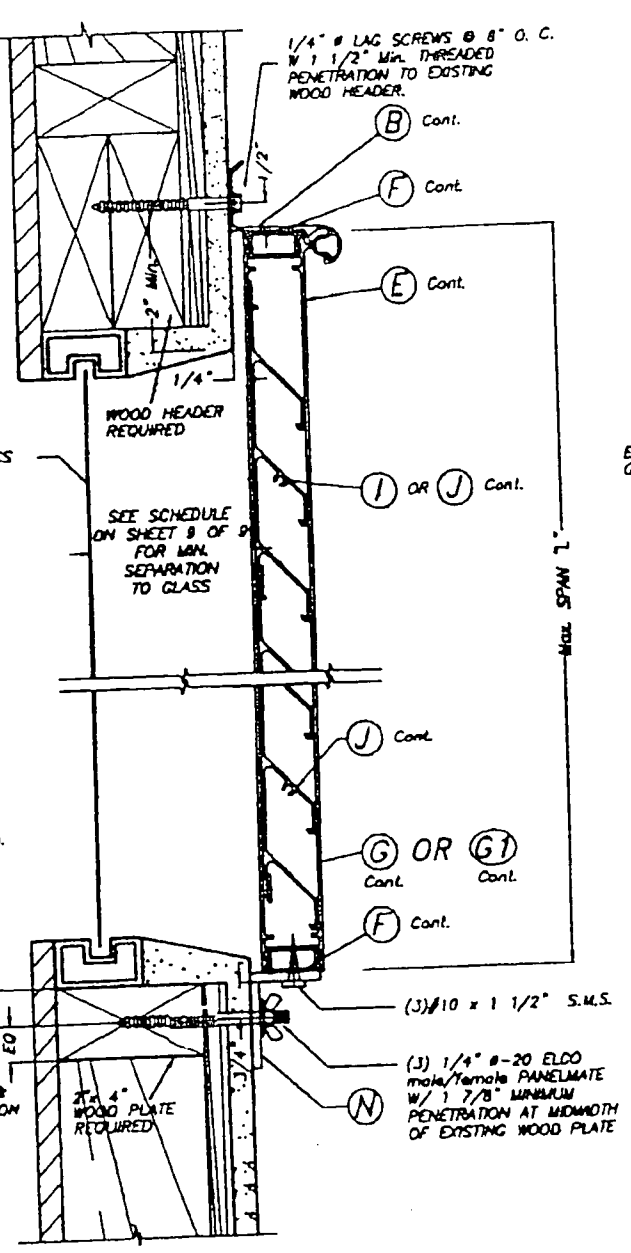
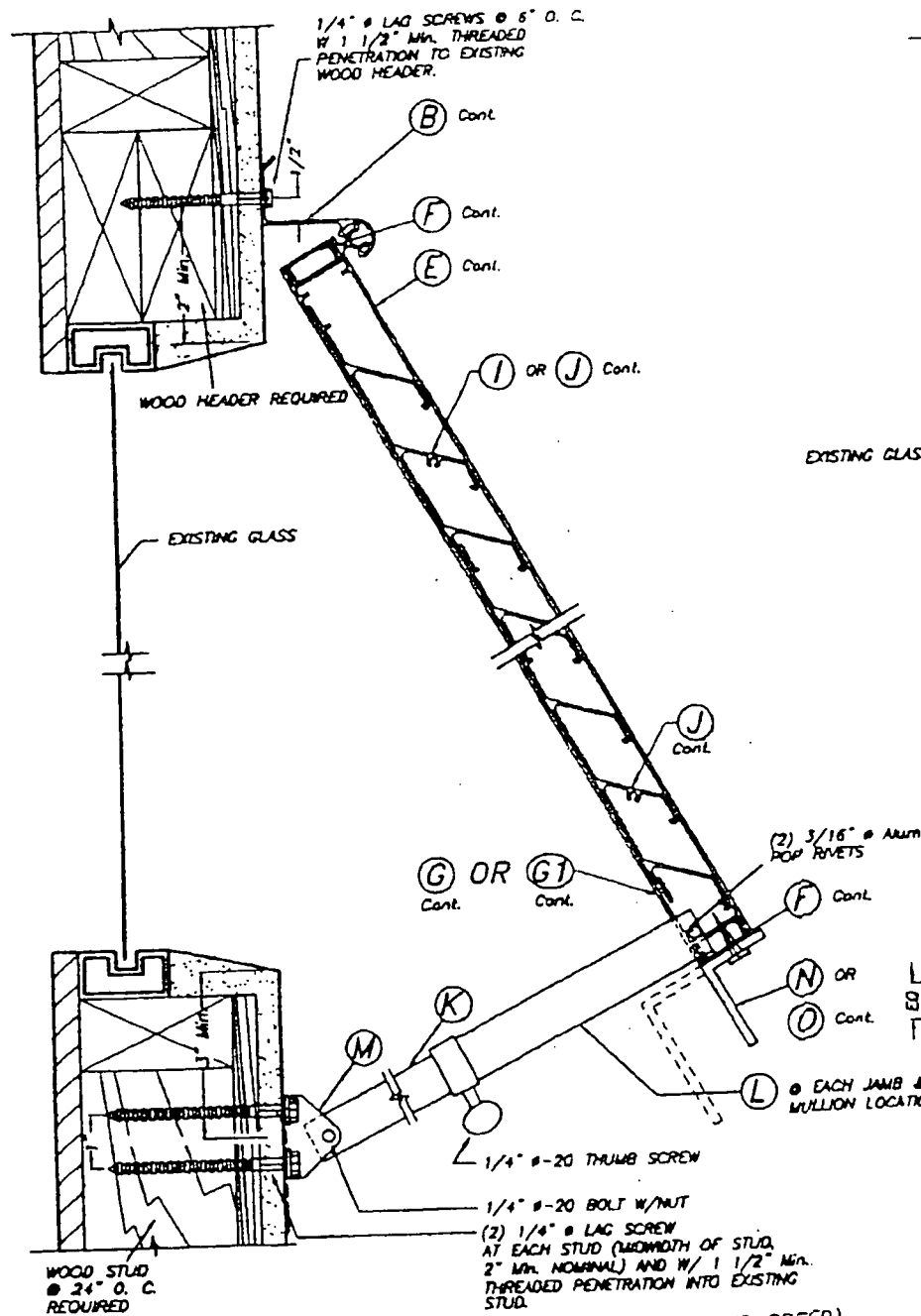
TILTECO INC.
TILLOT TESTING & ENGINEERING COMPANY
4355 N.W. 30th St., Ste. 306, West Palm Beach, Florida 33410
Phone: (561) 871-1510 Fax: (561) 871-1511
EB-0004719
WALTER A. TILT, P.E.
FLORIDA LIC. # 44187
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F.B.C. (Non High Velocity Hurricane Zone)

COMBINATION DRAWING:
ASSA / EXTRUDED BERTHA BAHAMA SHUTTER (SHEETS 1 THRU 9 OF 21)
ASSA / BERTHA COLONIAL SHUTTER (SHEETS 10 THRU 21 OF 21)

ASSA / EXTRUDED BERTHA BAHAMA SHUTTER		DRAWN BY: J.V.
AMERICAN SHUTTER SYSTEMS ASSOC., INC.		9/12/05 DATE
4268 WESTROADS DRIVE WEST PALM BEACH, FLORIDA 33407		05-279 DRAWING NO
REV. NO.	DESCRIPTION	DATE
1	OLD 04-034	9/12/05
2		
3		

SHEET 8 OF 21



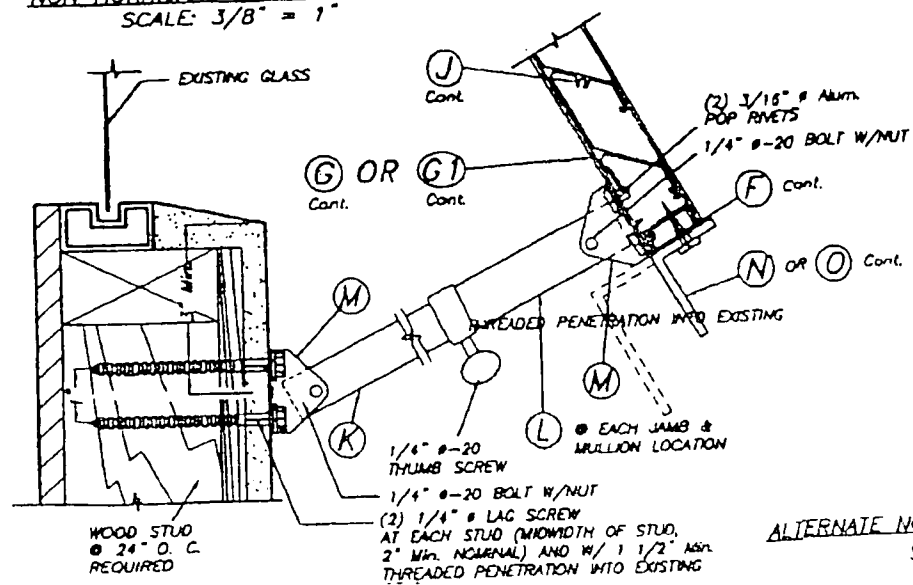
NON HURRICANE POSITION DETAIL: (74 m.p.h. OR LESS WIND SPEED)
SCALE: 3/8" = 1"

ALTERNATIVE 1
HURRICANE POSITION
SCALE: 3/8" = 1"

ALTERNATIVE 2
HURRICANE POSITION
SCALE: 3/8" = 1"

ALTERNATIVE 3
HURRICANE POSITION
SCALE: 3/8" = 1"

WALL MOUNTING INSTALLATION & BUILD-OUT
- SECTION A
INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS
F.B.C. (Non High Velocity Hurricane Zone)



- NOTES:
- INSTALLATIONS ARE ONLY VALID FOR INSTALLATIONS WITH DESIGN WIND SPEEDS LESS OR EQUAL THAN +82.0, -75.0 p.s.f. AND MAX. SHUTTER SPAN AS PER SCHEDULES ON SHEET 9 OF 9.
 - NEW 2" x 6" P.T. TO BE SOUTHERN PINE No. 2, SURFACED DRY WITH 19 # M.M.C. W/ SPECIFIC DENSITY OF 0.55.
 - FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

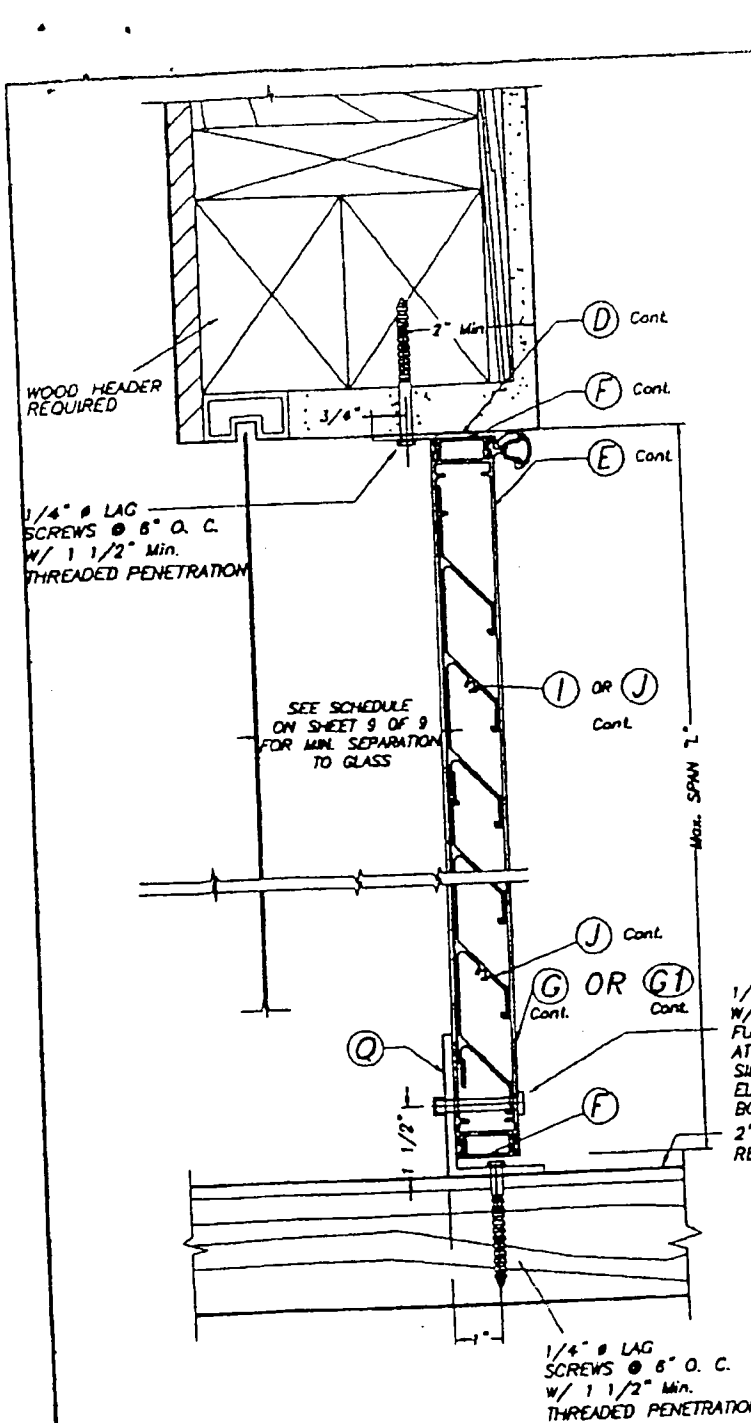
ALTERNATE NON HURRICANE POSITION DETAIL
SCALE: 3/8" = 1"

TILECO INC.
TILIT TESTING & ENGINEERING COMPANY
4254 W. 30th St., Ste. 208 WILMINGTON GARDENS, FLORIDA 33185
Phone: (305) 871-1530 Fax: (305) 871-1531
EB-0006719
WALTER A. TILIT JR., P. E.
FLORIDA Lic. # 44187
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COMBINATION DRAWING:
ASSA / EXTRUDED BERTHA BAHAMA SHUTTER (SHEETS 1 THRU 9 OF 21)
ASSA / BERTHA COLONIAL SHUTTER (SHEETS 10 THRU 21 OF 21)

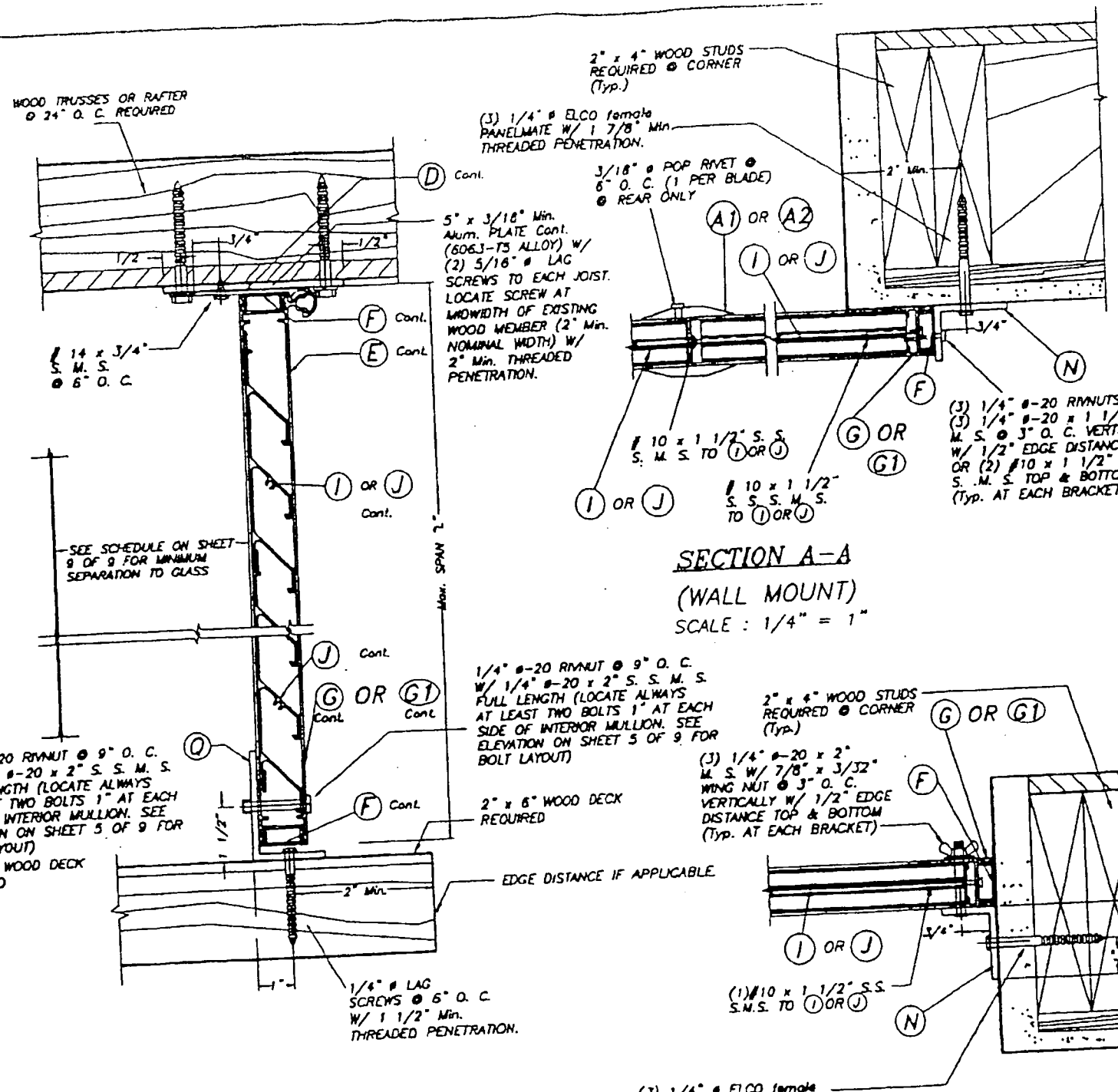
ASSA / EXTRUDED BERTHA BAHAMA SHUTTER		DRAWN BY:	J.V.
AMERICAN SHUTTER SYSTEMS ASSOC., INC.		DATE:	9/12/05
4288 WESTROADS DRIVE WEST PALM BEACH, FLORIDA 33407		DRAWING No:	05-279
REV. No	DESCRIPTION	DATE	REV. No
1	OLD 04-034	9/12/05	1
2			2

SHEET 7 OF 21



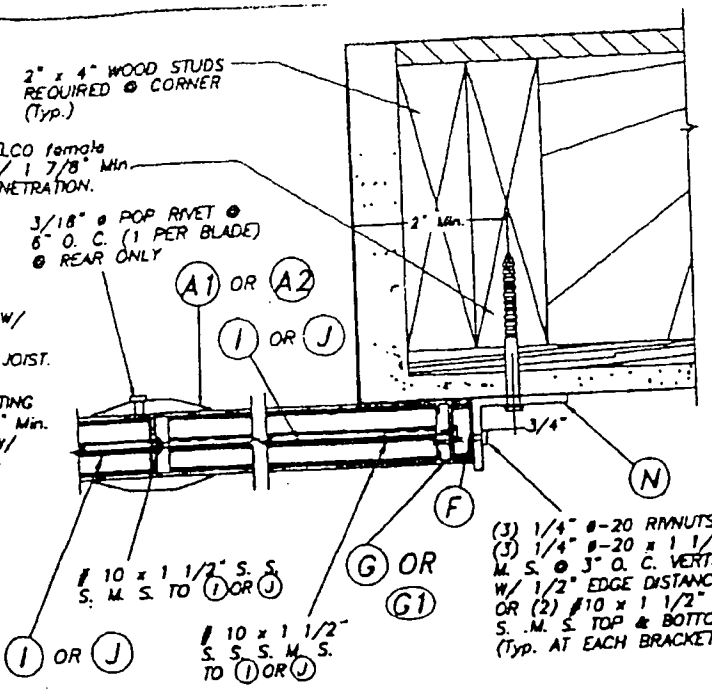
ALTERNATIVE 4A

FLOOR/CEILING MOUNTING INSTALLATION
- SECTION A SCALE: 1/4" = 1"

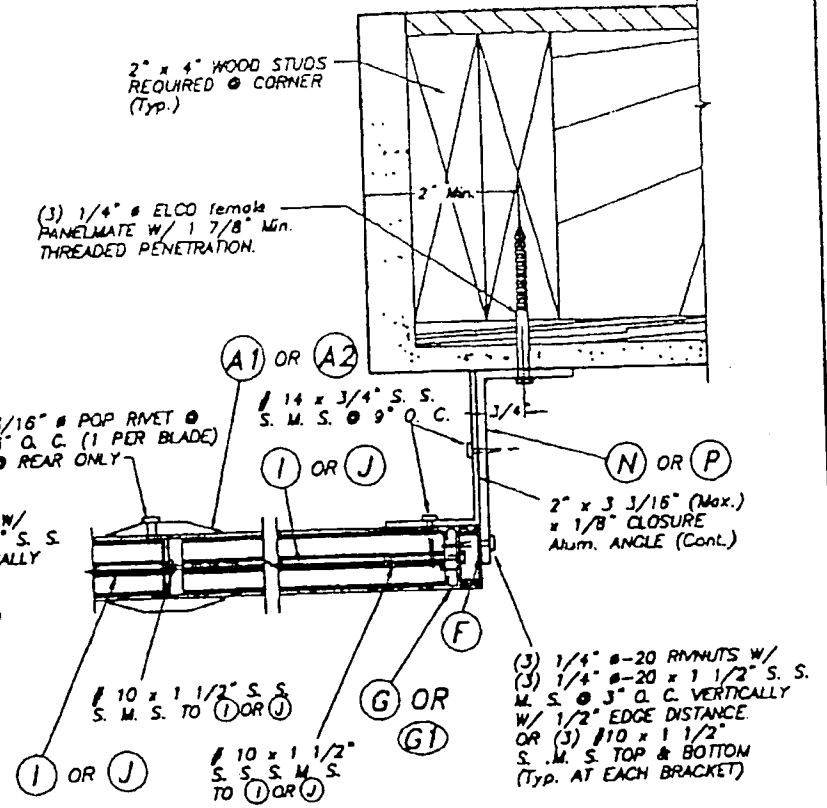


ALTERNATIVE 4B

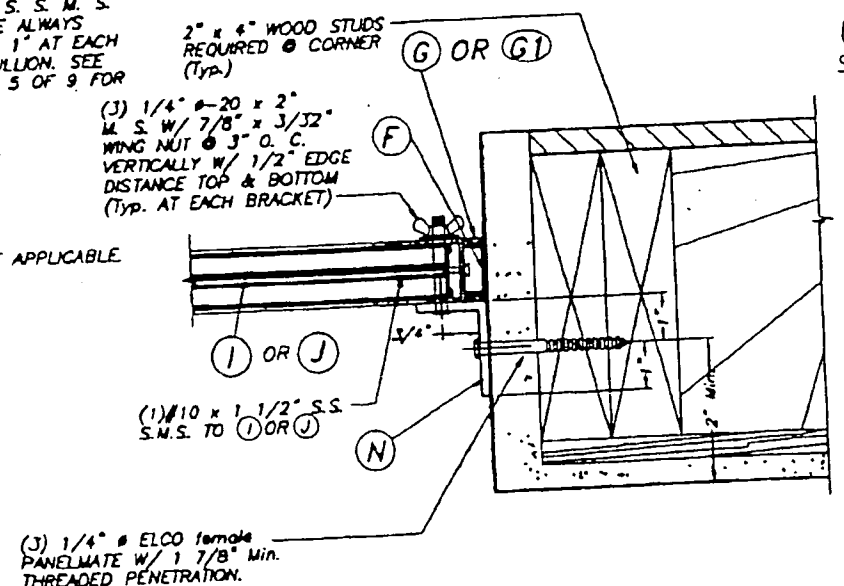
INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS



SECTION A-A
(WALL MOUNT)
SCALE: 1/4" = 1"

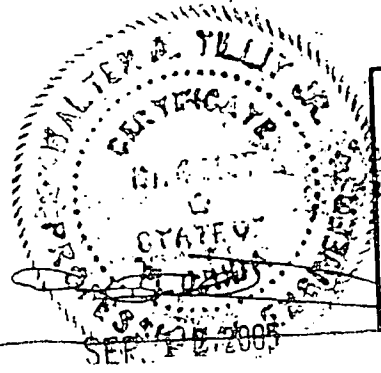


SECTION B-B
(WALL MOUNT)
SCALE: 1/4" = 1"



SECTION G-G
(FLOOR/CEILING MOUNT)
SCALE: 1/4" = 1"

- NOTES:
- INSTALLATIONS ARE ONLY VALID FOR INSTALLATIONS WITH DESIGN WIND LOADS LESS OR EQUAL THAN +62.0, -75.0 p.s.f. AND Max. SHUTTER SPAN AS PER SCHEDULES ON SHEET 9 OF 9.
 - NEW 2" x 6" P.T. TO BE SOUTHERN PINE No. 2, SURFACED DRY WITH 19 x M.M.C. W/ SPECIFIC DENSITY OF 0.55.
 - FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2 W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.



TILTECO INC.
TILT TESTING & ENGINEERING COMPANY
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Phone: (561) 871-1330 Fax: (561) 871-1331
EB-0006719
WALTER A. TILT JR., P.E.
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F.B.C. (Non High Velocity Hurricane Zone)

COMBINATION DRAWING:
ASSA / EXTRUDED BERTHA BAHAMA SHUTTER (SHEETS 1 THRU 9 OF 21)
ASSA / BERTHA COLONIAL SHUTTER (SHEETS 10 THRU 21 OF 21)

ASSA / EXTRUDED BERTHA BAHAMA SHUTTER		DRAWN BY: J.V.
AMERICAN SHUTTER SYSTEMS ASSOC., INC.		9/12/05 DATE
4268 WESTROADS DRIVE WEST PALM BEACH, FLORIDA 33407		05-279 DRAWING No.
REV. No.	DESCRIPTION	DATE
1	OLD 04-04	3/12/05
2		

SHEET 8 OF 21

SCHEDULE # 1

MAXIMUM SINGLE UNIT FOR A CORRESPONDING DESIGN PRESSURE AND MOUNTING TYPE

BAHAMA SHUTTER TYPE	SINGLE UNIT ELEVATION			
	CASE I: WALL + WALL MOUNT OR TRAPPED AT SIDES (SHEET 3 OF 9)		CASE II: TRAPPED TOP/BOTTOM + SIDES (SHEET 8 OF 9)	
DESIGN PRESSURE RATING (p.s.f.) AND CASE #	MAXIMUM UNIT WIDTH "W" (IN)	MAXIMUM SPAN "L" (IN)		
		W/O SIDE BRACKET	W/ SIDE BRACKET	MINIMUM SEPARATION TO GLASS (IN)
CASES I & II +56.0, -63.0	42"	52"	N/A	3 1/8"
CASES I & II +75.0, -100.0	42"	N/A	96"	2 1/8"

SCHEDULE # 1A

MAXIMUM MULTIPLE UNIT FOR A CORRESPONDING DESIGN PRESSURE AND MOUNTING TYPE

BAHAMA SHUTTER TYPE	MULTIPLE UNIT ELEVATION				
	CASE I: WALL + WALL MOUNT OR TRAPPED AT SIDES (SHEET 3 OF 9)		CASE II: TRAPPED TOP/BOTTOM + SIDES (SHEET 8 OF 9)		
DESIGN PRESSURE RATING (p.s.f.) AND CASE #	MAXIMUM UNIT WIDTH "W" (IN)	MAXIMUM SPAN "L" (IN)			
		W/O SIDE BRACKET	W/ SIDE BRACKET	INTERIOR MULLION TYPE REQUIRED	MINIMUM SEPARATION TO GLASS (IN)
CASE I +50.0, -43.3	36 1/2"	72 1/2"	N/A	A1	2 1/2"
CASE I +62.0, -75.0	36 1/2"	N/A	83"	A2	2 3/8"
CASE II +62.0, -75.0	36 1/2"	N/A	84"	A2	2 3/8"

SCHEDULE # 2

LIMITATIONS FOR SINGLE AND MULTIPLE UNITS BAHAMA SHUTTER'S UNIT WIDTH (IN), SPAN L (IN) AND CORRESPONDING MAXIMUM DESIGN PRESSURE (p.s.f.) FOR THE INSTALLATION OF SIDE & SILL BRACKETS INTO CONCRETE & MASONRY BUILDINGS BY MEANS OF (3) 1/4" # x 7/8" CALK-IN ANCHORS *

MAXIMUM NEGATIVE DESIGN PRESSURE RATING (p.s.f.)	SINGLE UNITS				MULTIPLE UNITS			
	SIDE & SILL BRACKETS **				SIDE & SILL BRACKETS **			
	TO CONCRETE		TO BLOCK		TO CONCRETE		TO BLOCK	
	Max. "W"	Max. "L"	Max. "W"	Max. "L"	Max. "W"	Max. "L"	Max. "W"	Max. "L"
-55.7	42"	96"	42"	96"	36 1/2"	84"	36"	84"
-65.0	42"	96"	42"	96"	36 1/2"	84"	31"	84"
-75.0	42"	96"	42"	96"	36 1/2"	83"	36 1/2"	83"
-83.0	42"	96"	42"	96"	N/A	N/A	N/A	N/A
-100.0	42"	96"	42"	63"	N/A	N/A	N/A	N/A
			36"	73"				

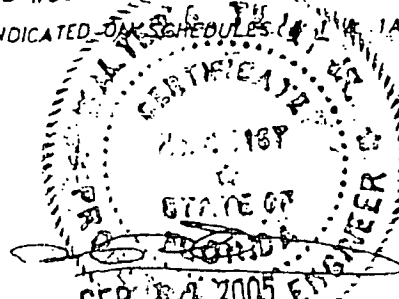
SCHEDULE # 3

MAXIMUM ANCHOR SPACING AT TOP FEMALE HINGES (B), (C), OR (D) AS WELL AS SILL ANGLE (E) AT BOTTOM (AS APPLICABLE) FOR INSTALLATIONS INTO POURED CONCRETE HEADERS AND SILL ***

DESIGN PRESSURE RATING (p. s. f.)	SINGLE & MULTIPLE UNITS
	TOP & BOTTOM TO CONCRETE
ALL PRESSURES COVERED IN SCHEDULE # 1 & # 1A	9" O.C. TOP & 7" O.C. BOTTOM.

*** SEE SHEETS 7 & 8 OF 9 FOR ANCHOR SPACING FOR INSTALLATIONS INTO WOOD FRAME BUILDINGS.

* FOR ELCO PANELMATES ((3) 1/4" # W/ 1 7/8" PENETRATION) USED AT SILL & SIDE BRACKETS FOR INSTALLATIONS INTO WOOD. SEE SCHEDULES # 1 & # 1A FOR SHUTTER SIZE.
 ** IN ANY CASE, MAXIMUM "W" & "L" VALUES W/ CORRESPONDING DESIGN LOADS SHALL NOT EXCEED MAXIMUM VALUES INDICATED ON SCHEDULES # 1 & # 1A.



TILECO INC.
 TILT TESTING & ENGINEERING COMPANY
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F.B.C. (Non High Velocity Hurricane Zone)

COMBINATION DRAWING:
 ASSA / EXTRUDED BERTHA BAHAMA SHUTTER (SHEETS 1 THRU 9 OF 21)
 ASSA / BERTHA COLONIAL SHUTTER (SHEETS 10 THRU 21 OF 21)

ASSA / EXTRUDED BERTHA BAHAMA SHUTTER

AMERICAN SHUTTER SYSTEMS ASSOC., INC.
 4268 WESTROADS DRIVE
 WEST PALM BEACH, FLORIDA 33407

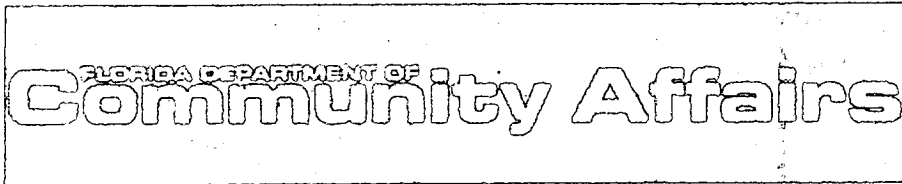
9/12/05 DATE

05-279 DRAWING No

SHEET 9 OF 21

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 04-031	9/12/05	2		
3			4		

FILE COPY
TOWN OF SEWALL'S POINT
THESE PLANS HAVE BEEN
REVIEWED FOR CODE COMPLIANCE
DATE 7-25-08
[Signature]
BUILDING OFFICIAL



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Product Approval
USER: Public User

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

- ▶ COMMUNITY PLANNING
- ▶ HOUSING & COMMUNITY DEVELOPMENT
- BUILDING CODES
- FLORIDA COMMUNITIES TRUST
- FRONT PORCH FLORIDA
- ▶ EMERGENCY MANAGEMENT
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- WEB ASSISTANCE
- CONTACT US
- OUR LOGO
- DCA EMPLOYEE SERVICES

FL #	FL2683-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	
Product Manufacturer	American Shutter Systems Associator
Address/Phone/Email	4268 Westroads Drive West Palm Beach, FL 33407 (561) 841-5480 bfeeley@easternmetal.com
Authorized Signature	Bill Feeley bfeeley@easternmetal.com
Technical Representative	
Address/Phone/Email	
Quality Assurance Representative	
Address/Phone/Email	
Category	Shutters
Subcategory	Bahama
Compliance Method	Evaluation Report from a Florida Regis Licensed Florida Professional Engineer Evaluation Report - Hardcopy Rece
Florida Engineer or Architect Name	Walter A. Tillit Jr.
who developed the Evaluation Report	

Florida License PE- 44167
 Quality Assurance Entity National Accreditation and Management
 Validated By John Henry Kampmann Jr.

Certificate of Independence

Referenced Standard and Year (of Standard) **Standard**
 ASTM E 330
 TAS 201, TAS 202, TAS 203

Equivalence of Product Standards Certified By

Sections from the Code 1606.1.4
 1606.1.4

Product Approval Method Method 1 Option D

Date Submitted 09/15/2005
 Date Validated 09/23/2005
 Date Pending FBC Approval 09/29/2005
 Date Approved 10/11/2005

Summary of Products		
FL #	Model, Number or Name	Description
2683.1	05-279 (Pages 1-9)	Extruded Bertha Bahama
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Product to be installed only within NON HIGH VELOCITY HURRICANE ZONES as defined on section 1619.2 of the Florida Building Code.		Installation Instruction Verified By: Evaluation Reports PTID_2683_R1_T_ASSA-Bahama Evaluation Report PTID_2683_R1_T_Certification Bertha Bahama.pdf PTID_2683_R1_T_Dwg 0

DCA Administration
 Department of Community Affairs
 Florida Building Code Online

Codes and Standards

2555 Shumard Oak Boulevard

Tallahassee, Florida 32399-2100

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

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Product Approval Accepts:





SITE NAVIGATION

- Home
- Course Accreditation
- Florida Building Code
- Manufact. Buildings
- Prototype Building
- Permit
- Training
- Florida Council
- Meeting
- Florida Building Commission

PRODUCT APPROVAL Product Type Detail

Overview Product Search Organization Search Product Application

User: Public User - Not Associated with Organization -

[Need Help ?](#)

Application #: FL3267-R1
 Date Submitted: 08/02/2005
 Code Version: 2004

Product Manufacturer: Transparent Protection Systems, Inc.
 Address/Phone/email: 6643 42nd Terrace North
 West Palm Beach, FL 33407
 (561) 844-2445

Technical Representative: Scott D. Kuntz
 Technical Representative Address/Phone/email: 6643 42nd Terrace North
 West Palm Beach, FL 33407
 (561) 844-2445
 scottkuntz@transparentprotection.com

Category: Shutters

Subcategory: Storm Panels

Evaluation Method: Evaluation Report from a Florida Registered Architect or Florida Professional Engineer

Referenced Standards from the Florida Building Code:	Section	Standard	Year
	1625	TAS 201, 202, 203	1994
	1626	TAS 201, 202, 203	1994
	1609.1.4	ASTM E1886	2002
	1609.1.4	ASTM E1996	2002
	1714	ASTM E330	2002
	2612.2	ASTM G155 (...G26)	2000
	2612.2	ASTM D1929	1996
	2612.2	ASTM D2843	1999
	2612.2	ASTM D635	1998

Florida Engineer or Architect Name: Frank L. Bennardo, P.E.

Florida License: PE-0046549

Quality Assurance Entity: National Accreditation and Management Institute

Validation Entity: Jorge A. Pomerantz, P.E.

Authorized Signature: Frank Bennardo
clangley@flbengineering.com

Evaluation/Test Reports Uploaded: [PTID 3267 R1 T 04-009 FE ASTM.pdf](#)
[PTID 3267 R1 T 04-009 FE FBC.pdf](#)
[PTID 3267 R1 T 04-009 LE ASTM.pdf](#)
[PTID 3267 R1 T 04-009 LE FBC.pdf](#)
[PTID 3267 R1 T Cert Indep.pdf](#)
[PTID 3267 R1 T Dwg HVHZ.pdf](#)
[PTID 3267 R1 T Dwg NonHVHZ.pdf](#)
[PTID 3267 R1 T Equiv Of Std.pdf](#)
[PTID 3267 R1 T Eval Report.pdf](#)
[PTID 3267 R1 T Test Ignition Smoke Burn.pdf](#)
[PTID 3267 R1 T Test UV Weathering.pdf](#)

Installation Documents Uploaded:

Product Approval Method: Method 1 Option D

Application Status: Approved
 Date Validated: 09/12/2005
 Date Approved: 09/18/2005
 Date Certified to the 2004 Code:

Page:

Page 1 / 1

App/Seq #	Product Model # or Name	Model Description	Limits of Use
3267.1	ClearGuard Polycarb Storm Panel HVHZ	Polycarb Storm Panel (HVHZ)	See FLB dwg #03-155-1343a for use within the HVHZ as well as outside the HVHZ in Florida
3267.2	ClearGuard Polycarb Storm Panel Non-HVHZ	Polycarb Storm Panel (Non-HVHZ)	See FLB dwg #03-155-1343b for use outside the HVHZ in Florida



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myj



Product Evaluation Report

September 12, 2005

FLB Project Number: 03-155-1343

Product Manufacturer: Transparent Protection Systems, Inc.
6643 42nd Terrace North
W. Palm Beach, FL 33407

Product Name & Description: ClearGuard Polycarbonate Storm Panels (HVHZ) &
ClearGuard Polycarbonate Storm Panels (Non-HVHZ)

Scope of Evaluation:

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

Substantiating Data:

CLEARGUARD PANELS (HVHZ)

PRODUCT EVALUATION DOCUMENTS

FLB drawing #03-155-1343a titled "ClearGuard Polycarbonate Storm Panels (HVHZ)", sheets 1-3, prepared by Frank L. Bennardo, P.E., Inc., signed & sealed by Frank L. Bennardo, P.E. is an integral part of this Evaluation Report.

TEST REPORTS

Uniform static structural performance has been tested in accordance with TAS 202 test standards per test report(s) #04-009-FE-FBC & #04-009-LE-FBC by Construction Testing Corporation (CTC).

Large missile impact resistance and cyclic loading performance have been tested in accordance with TAS 201 & 203 test standards per test report(s) #04-009-FE-FBC & #04-009-LE-FBC by Construction Testing Corporation (CTC).

Self-ignition temperature, Rate of Burning, and Smoke Density have been tested in accordance with ASTM D1929-96, ASTM D635-98, & ASTM D2843-99 standards (respectively) per test report #ETC-01-753-10724.1 by ETC Laboratories (ETC).

UV weathering resistance has been tested in accordance with ASTM G26 (equivalent to ASTM G155-00ae1) and ASTM D638 standards per test report #TPI-001-02-01 by PRI Asphalt Technologies (PRI).

STRUCTURAL ENGINEERING CALCULATIONS

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

**FRANK L. BENNARDO, P.E., INC.
CONSULTING ENGINEERS**

4441 NORTH DIXIE HIGHWAY
BOCA RATON, FLORIDA 33431
(561) 391-2888 FAX: (561) 391-2862



1. Maximum Allowable Span Schedule
2. Minimum Glass Separation Schedule
3. Anchor Spacing Schedule

No 33% increase in allowable stress has been used in the design of this product.

CLEARGUARD PANELS (Non-HVHZ)

- **PRODUCT EVALUATION DOCUMENTS**

FLB drawing #03-155-1343b titled "ClearGuard Polycarbonate Storm Panels (Non-HVHZ)", sheets 1-3, prepared by Frank L. Bennardo, P.E., Inc., signed & sealed by Frank L. Bennardo, P.E. is an integral part of this Evaluation Report.

- **TEST REPORTS**

Uniform static structural performance has been tested in accordance with ASTM E330-02 test standards per test report(s) #04-009-FE-ASTM & #04-009-LE-ASTM by Construction Testing Corporation (CTC).

Large missile impact resistance and cyclic loading performance have been tested in accordance with ASTM E1886-02 & E1996-02 test standards per test report(s) #04-009-FE-ASTM & #04-009-LE-ASTM by Construction Testing Corporation (CTC).

- **STRUCTURAL ENGINEERING CALCULATIONS**

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

1. Maximum Allowable Span Schedule
2. Minimum Allowable Span Schedule
3. Anchor Spacing Schedule

No 33% increase in allowable stress has been used in the design of this product.

Impact Resistance:

Each product has satisfactorily passed the Large Missile Impact test requirements of the Code as evidenced in previously listed test reports and may be used to protect glazed openings from windborne debris when installed in accordance with each product's respective Product Evaluation Document (i.e. engineering drawing).

Wind Load Resistance

Each product has been designed to resist wind loads as indicated in the span schedule(s) on its respective Product Evaluation Document (i.e. engineering drawing).

Installation

Each product listed above shall be installed in strict compliance with its respective Product Evaluation Document (i.e. engineering drawing), along with all components noted therein.

Each product component shall be of the material specified in that product's respective Product Evaluation Document (i.e. engineering drawing).

**FRANK L. BENNARDO, P.E., INC.
CONSULTING ENGINEERS**

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BOCA RATON, FLORIDA 33431
(561) 391-2888 FAX: (561) 391-2862



Limitations & Conditions of Use:

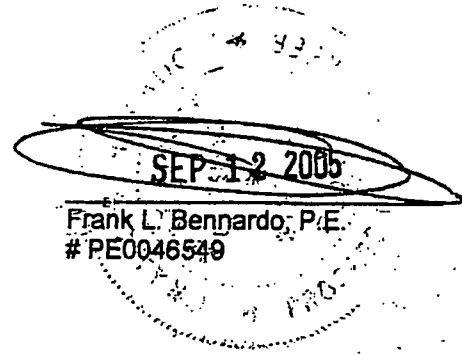
Use of each product shall be in strict accordance with its respective Product Evaluation Document (i.e. engineering drawing) as noted herein.

All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in each product's respective anchor schedule. Host structure conditions which are not accounted for in each product's respective anchor schedule shall be designed for on a site-specific basis by a registered professional engineer.

All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times.

The "ClearGuard HVHZ" product has been designed for use within the High Velocity Hurricane Zone (HVHZ). The "ClearGuard Non-HVHZ" product has not been designed for use within the High Velocity Hurricane Zone (HVHZ).

Clear polycarbonate storm panels shall not be installed alongside metal storm panels in same opening.



**FRANK L. BENNARDO, P.E., INC.
CONSULTING ENGINEERS**

**4441 NORTH DIXIE HIGHWAY
BOCA RATON, FLORIDA 33431
(561) 391-2888 FAX: (561) 391-2862**



August 2, 2005

Florida Department of Community Affairs
2555 Shumard Oak Boulevard
Tallahassee, FL 32399

Regarding: Transparent Protection Systems
ClearGuard Clear Polycarbonate Storm Panels
FLB #03-155-1343a & #03-155-1343b

To Whom It May Concern:

Please be advised that the below-signed engineer does not have nor will acquire a financial interest in the company manufacturing or distributing the product(s) for which an evaluation report or validation certification has been prepared, as referenced above. This engineer is not owned, operated, nor controlled by the manufacturer or distributor noted above and does not have any financial interest in any other entity involved in the approval process of the above-noted product(s).

Respectfully,

~~AUG 02 2005~~

Frank L. Bennardo, P.E.
Frank L. Bennardo, P.E., Inc.
FL PE 0046549



The Florida Department of Community Affairs Building Code Information System

SITE NAVIGATION

- Home
- Course Accreditation
- Florida Building Code
- Manufact. Buildings
- Prototype Building
- Surcharges
- Training
- Product Approval
- License Search
- Mailing List
- Florida Building Commission

PRODUCT APPROVAL Product Type Detail

Overview Product Search Organization Search Product Application

User: Public User - Not Associated with Organization -

[Need Help ?](#)

Application #: FL2250-R1
Date Submitted: 06/10/2005
Code Version: 2004

Product Manufacturer: Town and Country Industries, Inc.
Address/Phone/email: 400 West McNab Road
 Ft. Lauderdale, FL 33309
 (954) 970-7700

Category: Shutters

Subcategory: Storm Panels

Evaluation Method: Evaluation Report from a Florida Registered Architect or Florida Professional Engineer

Referenced Standards from the Florida Building Code:

Section	Standard	Year
	SSTD 12	1999

Florida Engineer or Architect Name: Vladimir John Knezevich

Florida License: PE- 10983

Quality Assurance Entity: National Accreditation and Management Institute

Validation Entity: ORLANDO L. BLANCO, P.E.

Authorized Signature: Vladimir Knezevich
 vjk@knezevich.com

Evaluation/Test Reports Uploaded:
 PTID_2250_R1_T_05-329_05-350_report.pdf
 PTID_2250_R1_T_05-329_DWGs_Steel.pdf

PTID_2250_RJ_T_05-
350_DWGs_Alum.pdf

Installation Documents Uploaded:

Product Approval Method:

Method 1 Option D

Application Status:

Approved

Date Validated:

06/10/2005

Date Approved:

06/30/2005

Date Certified to the 2004 Code:

Page:

Page 1 / 1

Go

App/Seq #	Product Model # or Name	Model Description	Limits of Use
2250.1	.0232" and .0285" Galv Steel Storm Panels	2" Deep x 12" Wide Corrugated Panels	Use of these product shall be in strict conformance with the requirements of the reference drawing prepared by TTG, Inc. and comply with chapter 61G15-23 of the Florida Administrative Code. These products are NOT suitable for installation in the High Velocity Hurricane Zone (HVHZ). This product may only be installed on concrete, hollow concrete block or wood substrates. For all other conditions site specific design shall be by this office or our delegated engineer. Panel spans less than those noted in the Minimum Panel Length Schedule of the reference drawings are not acceptable per the provisions of SSTD 12-99.
2250.2	.040", .050" and .060"	2" Deep x 12" Wide Corrugated	Use of these product shall be in strict conformance with the requirements of the reference drawing prepared by TTG, Inc. and comply with chapter 61G15-23 of the Florida Administrative Code. These products are NOT suitable for installation in the High Velocity Hurricane Zone (HVHZ). This product may only be

	Aluminum Storm Panels	Panels	installed on concrete, hollow concrete block or wood substrates. For all other conditions site specific design shall be by this office or our delegated engineer. Panel spans less than those noted in the Minimum Panel Length Schedule of the reference drawings are not acceptable per the provisions of SSTD 12-99.
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Next

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TTO PROJECT NO.: KK5329.00, KK5350.00 DATE: May 5, 2005

PAGE: 1 of 3

FBC EVALUATION REPORT NO.: FL2250 - R1
 CODE: Florida Building Code 2004
 PRODUCT CATEGORY: Shutters
 PRODUCT SUB-CATEGORY: Storm Panels
 PRODUCT NAME: 0.040", 0.050", and 0.060" Aluminum Storm Panels
 0.0232" and 0.0285" Galvanized Steel Storm Panels
 MANUFACTURER: Town and Country Industries, Inc.
 A Division of ABC Supply Co., Inc.
 400 West McNab Road
 Fort Lauderdale, FL 33309

1. PURPOSE OF EVALUATION REPORT

This is an Evaluation Report issued by V. John Knezevich, P.E. (System ID No. 1801), to Town and Country Industries, Inc., based on Rule Chapter No. 9B-72.070, Method 1(d) Product Approval, Florida Building Commission, Department of Community Affairs. These Storm Panels have been evaluated and found to be in compliance with the Code and that products are, for the purpose intended, at least equivalent to that required by the Code.

Re-evaluation of this Evaluation Report is required, following any code changes, to maintain its validity.

Evaluation Report Prepared by:
 THORNTON TOMASETTI GROUP, INC
 No. 7233
 STATE OF
 V. John Knezevich, P.E.
 Senior Vice President
 May 5, 2005
 Florida License No. PE 10983
 Florida COA No.: 7519



2. SUBSTANTIATING DATA

2.1 PRODUCT EVALUATION DOCUMENT

- Town and Country Industries, Inc. 040", .050", and .060" Storm Panel Drawing No. 05-350, with a zero revision, dated April 28, 2005, Sheets 1 through 6, prepared by Thornton-Tomasetti Group Inc. (TTG, Inc), signed, dated and sealed by V. John Knezevich, P.E. is an integral part of this Evaluation Report.
- Town and Country Industries, Inc. 0232" and .0285" Galvanized Steel Storm Panel, Drawing No. 05-329, with a zero revision, dated May 5, 2005, Sheets 1 through 6, prepared by TTG, Inc., signed, dated and sealed by V. John Knezevich, P.E. is an integral part of this Evaluation Report.

2.2 TEST REPORTS

- Test report for Uniform Static Air Pressure in accordance with ASTM E330-02 and successful testing of impact resistance in conformance with SSTD 12-99. Reports were prepared by Construction Testing Corporation (CTC), and are listed in the referenced drawings.
- Tensile Capacity of aluminum alloy extrusions was determined in accordance with ASTM E8-03/A370-03.

2.3 STRUCTURAL ENGINEERING CALCULATIONS

Prepared Rational and Comparative Analyses of Storm Panel performance, as well as anchor calculations. From these analyses, Maximum Panel Span vs. Design Load (PSF) Schedules were prepared for the Aluminum Storm Panels (Tables 1 & 3 in Drawing No. 05-350) and Steel Storm Panel Maximum Span Schedules (Tables 1 & 3 in Drawing No. 05-329). An anchor spacing vs. design load (PSF) schedule was also prepared, indicating maximum anchor spacing for given span conditions at specific design loads (PSF) for each type of anchor used during testing, for both metals.

No increase in allowable stress has been used in the design of this product.

3. IMPACT RESISTANCE

The Storm Panel satisfactorily passed the large missile impact testing, in accordance with SSTD 12-99. This Storm Panel may be used to protect glazed openings from windborne debris when installed in accordance with the limitations indicated in the referenced drawing, prepared by Thornton-Tomasetti Group, Inc.

4. WIND LOAD RESISTANCE

These Storm Panels have been designed to resist wind pressures as indicated by the Span Schedules of their respective referenced drawings.



5. ANCHORS

The maximum anchor spacing for each type of anchor, shutter span and design wind load is found in the Anchor Schedule of their respective referenced drawings.

6. INSTALLATION

These Storm Panels are to be installed in accordance with the typical details, general notes, schedules and material specifications found in each respective referenced drawing.

7. MATERIAL SPECIFICATIONS

See General Notes of the referenced drawings, unless otherwise noted, for material specifications. All dimensions of components are indicated in their respective referenced drawings. Anchor specifications including acceptable substrate, minimum embedment, edge distance and manufacturer are indicated in their respective drawings.

8. LIMITATIONS AND CONDITIONS OF USE

- Use of these product shall be in strict conformance with the requirements of the reference drawing prepared by TTG, Inc. and comply with chapter 61G15-23 of the Florida Administrative Code.
- These products are NOT suitable for installation in the High Velocity Hurricane Zone (HVHZ).
- This product may only be installed on concrete, hollow concrete block or wood substrates. For all other conditions site specific design shall be by this office or our delegated engineer.
- Panel spans less than those noted in the Minimum Panel Length Schedule of the reference drawings are not acceptable per the provisions of SSTD 12-99.

9. CERTIFICATE OF INDEPENDENCE

- This Florida Professional Engineer does not have, nor does he intend to acquire or will he acquire, a financial interest in any company manufacturing or distributing products tested or labeled by the agency.
- This Florida Professional Engineer is not owned, operated or controlled by any company manufacturing or distributing products he tests or labels.
- This Florida Professional Engineer performing an evaluation does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the reports are being issued.
- This Florida Professional Engineer performing an evaluation does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

TOWN OF SEWALL'S POINT

Building Department - Inspection Log

Date of Inspection: Mon Wed ~~Thu~~ Thurs 8-14, 2008 Page 1 of 1

PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
8947	Wyckoff	Roofing	PASS	NEED FINAL INSPECTION FOR DECKING
3	26 N Emerald OB	IN PROGRESS		(E. RAYING - NEED AFFIDAVIT) INSPECTOR: JAV
8965	Holly	Final	PASS	CLOSE
1	415 Emerald Jupiter Alum			INSPECTOR: JAV
8820	Desclane	drywall	PASS	
2	64 N River Rd JMC			INSPECTOR: JAV
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:
PERMIT	OWNER/ADDRESS/CONTR.	INSPECTION TYPE	RESULTS	NOTES/COMMENTS:
				INSPECTOR:

OTHER: _____

10534

DOORS



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:	10534	DATE ISSUED:	JULY 22, 2013
SCOPE OF WORK:	REPLACE 2 DOORS		
CONTRACTOR:	LOWES HOME CENTERS		
PARCEL CONTROL NUMBER:	013841010-000-002400	SUBDIVISION	PALMETTO PK - L3
CONSTRUCTION ADDRESS:	41 S RIVER RD		
OWNER NAME:	HOLLY		
QUALIFIER:	PETER CAFARO	CONTACT PHONE NUMBER:	561-721-5611

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

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

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

INSPECTIONS

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

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



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:	10534
ADDRESS	41 S RIVER RD - HOLLY
DATE 7/22/13	SCOPE OF WORK REPLACE 2 DOORS

SINGLE FAMILY OR ADDITION /REMODEL	Declared Value	\$	
Plan Submittal Fee (\$350.00 SFR, \$175.00 Remodel < \$200K)		\$	
(No plan submittal fee when value is less than \$100,000)			

Total square feet air-con
Total square feet non-
Total square feet remodel
Total Construction Value
Building fee: (2% of con
Building fee: (1% of con
Total number of inspecti
Dept. of Comm. Affairs

**The Permit Group
BoCorp Inc**
 16188 74th Ave N
 Palm Beach Gardens, FL 33418
 561-768-9425

63-8413/2670 14724

TOWN OF SEWALL'S POINT 7-24 2013, CHECKSAFE

PAY TO THE ORDER OF TOWN OF SEWALL'S POINT \$ 211.92^{00/100}

TWO HUNDRED ELEVEN AND 92/100 DOLLARS.

JPMorgan Chase Bank
 3399 PGA Blvd Ste 100
 Palm Beach Gardens, FL 33410

FOR 211.92

I: [Signature]

DBPR Licensing Fee: (1.5% of construction value - \$5.00 min.)		
Road impact assessment: (.04% of construction value - \$5.00 min.)		
Martin County Impact Fee:	\$	
TOTAL BUILDING PERMIT FEE:	\$	

ACCESSORY PERMIT	Declared Value:	\$	3043.92
Total number of inspections @ \$100.00 each	2		200
Dept. of Comm. Affairs Fee: (1.5% of permit fee - \$2.00 min)		\$	3
DBPR Licensing Fee: (1.5% of permit fee - \$2.00 min.)		\$	3
Road impact assessment: (.04% of construction value - \$5.00 min.)		\$	5
TOTAL ACCESSORY PERMIT FEE:		\$	211 <u>CP ✓ # 14724</u>

L1109

Town of Sewall's Point BUILDING PERMIT APPLICATION

Permit Number: 10534

Date: 7-18-13

OWNER/LESSEE NAME: Holly Sharon Kay Phone (Day) 772 283 4229 (Fax) _____
 Job Site Address: 41 S River Rd City: Sewalls Point State: FL Zip: 34996
 Legal Description: Unincluded L3 Parcel Control Number: 01-38-41-010-000-00240-0
 Fee Simple Holder Name: _____ Address: _____
 City: _____ State: _____ Zip: _____ Telephone: _____

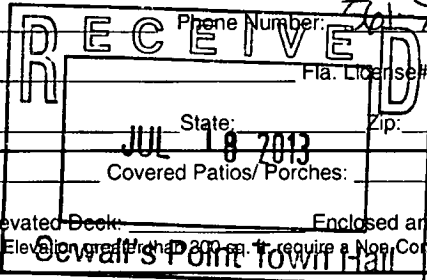
***SCOPE OF WORK (PLEASE BE SPECIFIC):** 2 DOORS REPLACEMENT

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

COST AND VALUES: (Required on ALL permit applications)
 Estimated Value of Improvements: \$3043.92
 (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: Lowes Home Centers Phone: _____ Fax: _____
 Qualifiers name: Pete Cafaro Street: PO Box 781993 City: Orlando State: FL Zip: 32878
 State License Number: CGC1508417 OR: Municipality: _____ License Number: CGC1508417

LOCAL CONTACT: Mitch Bocoock Phone Number: 704-721-5611
 DESIGN PROFESSIONAL: _____ Fla. License #: _____
 Street: _____ City: _____ State: _____ Zip: _____ Phone Number: _____



AREAS SQUARE FOOTAGE: Living: _____ Garage: _____ Covered Patios/Porches: _____ Enclosed Storage: _____
 Carport: _____ Total under Roof _____ Elevated Deck: _____ Enclosed area below BFE*: _____
 * Enclosed non-habitable areas below the Base Flood Elevation greater than 200 mm. require a Non-Conversion Covenant Agreement.

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

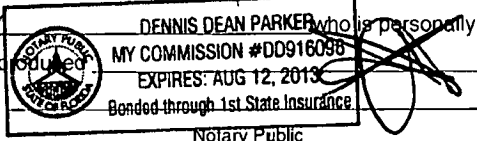
WARNINGS TO OWNERS AND CONTRACTORS:

- YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. WHEN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION.
- IT IS YOUR RESPONSIBILITY TO DETERMINE IF YOUR PROPERTY IS ENCUMBERED BY ANY DEED RESTRICTIONS. SOME RESTRICTIONS APPLICABLE TO THIS PROPERTY MAY BE FOUND IN THE PUBLIC RECORDS OF MARTIN COUNTY OR THE TOWN OF SEWALL'S POINT. THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.
- BUILDING PERMITS FOR SINGLE FAMILY RESIDENCES AND SUBSTANTIAL IMPROVEMENTS TO SINGLE FAMILY RESIDENCES ARE VALID FOR A PERIOD OF 24 MONTHS. RENEWAL FEES WILL BE ASSESSED AFTER 24 MONTHS PER TOWN ORDINANCE 50-95.
- THIS PERMIT WILL BECOME NULL AND VOID IF THE WORK AUTHORIZED BY THIS PERMIT IS NOT COMMENCED WITHIN 750 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.

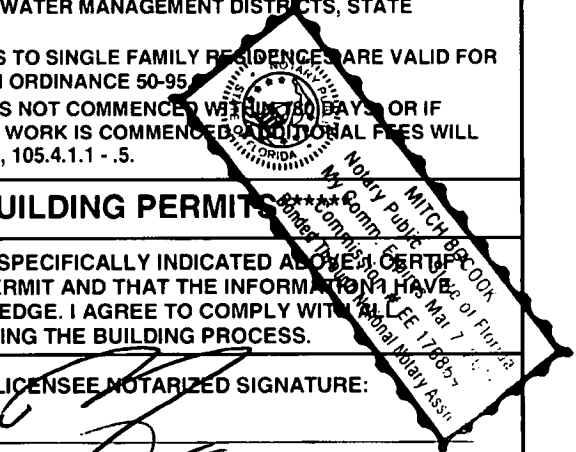
*****A FINAL INSPECTION IS REQUIRED ON ALL BUILDING PERMITS

AFFIDAVIT: APPLICATION IS HEREBY MADE TO OBTAIN A PERMIT TO DO THE WORK AS SPECIFICALLY INDICATED ABOVE AND CERTIFY THAT NO WORK OR INSTALLATION HAS COMMENCED PRIOR TO THE ISSUANCE OF A PERMIT AND THAT THE INFORMATION 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.

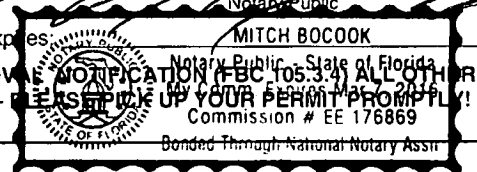
OWNER / AGENT / LESSEE - NOTARIZED SIGNATURE:
 X Sharon Kay Holly
 State of Florida, County of: _____
 On This the 11th day of JULY, 2013
 by Dennis Parker DENNIS DEAN PARKER who is personally known to me or produced _____
 As identification. _____
 My Commission Expires: 8/12/13



CONTRACTOR / LICENSEE NOTARIZED SIGNATURE:
 X _____
 State of Florida, County of: FL
 On This the 12th day of JULY, 2013
 by Pete Cafaro who is personally known to me or produced _____
 As identification. _____
 My Commission Expires: _____



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





INSTR # 2407417
 OR BK 2665 PG 2681
 (1 Pgs)
 RECORDED 07/24/2013 03:25:59 PM
 CAROLYN TIMMANN
 MARTIN COUNTY CLERK

NOTICE OF COMMENCEMENT

To be completed when construction value exceeds \$2,500.00

PERMIT #: 10534 TAX FOLIO # 01-38-41-010-000-00240-0

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):
Unincluded A.S. Asshown on plat of Palmetto Park - 41 S River Rd

GENERAL DESCRIPTION OF IMPROVEMENT: Replace Door

OWNER INFORMATION OR LESSEE INFORMATION, IF THE LESSEE CONTRACTED FOR THE IMPROVEMENT:
 Name: Sharon Holly
 Address: 41 S. River Drive Stuart FL 34996
 Interest in property: owner
 Name and address of fee simple title holder (if different from Owner listed above):

CONTRACTOR'S NAME: Lowe's Home Centers, Inc Phone No.: (407) 393-9161
 Address: P.O. Box 781993 Orlando, FL 32878-1993

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: _____

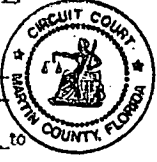
Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Section 713.13 (1) (a) 7, Florida Statutes:

Name: _____
 Address: _____

In addition to himself or herself, owner designates _____ of _____
 receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.
 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): _____

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
 BY Carolyn Timmann, Clerk
 DATE 7/24/13 D.C.



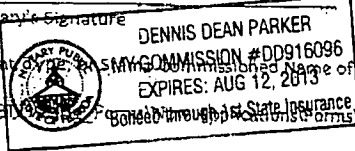
WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED 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.

Sharon Holly
 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 11th day of July 2013
 By: Dennis Parker as Notary for Lowe's
 Name of person Type of authority (e.g. officer, trustee) Party on behalf of whom instrument was executed

Notary's Signature

 DENNIS DEAN PARKER
 COMMISSION #DD916096
 EXPIRES: AUG 12, 2013
 (Print Name, Commission # and Name of Notary)
 T.E.M. Bonded through the State Insurance Guaranty Association

Personally known or produced identification
 Type of identification produced EDL

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

generated on 7/18/2013 11:29:12 AM EDT

Summary

Parcel ID	Account #	Unit Address	Market Total Value	Website Updated
01-38-41-010-000-00240-0	17780	41 S RIVER RD, SEWALL'S POINT	\$366,220	7/6/2013

Owner Information

Owner(Current)	HOLLY SHARON KAY
Owner/Mail Address	41 S RIVER RD STUART FL 34996
Sale Date	12/8/1993
Document Book/Page	1044 2869
Document No.	
Sale Price	100

Location/Description

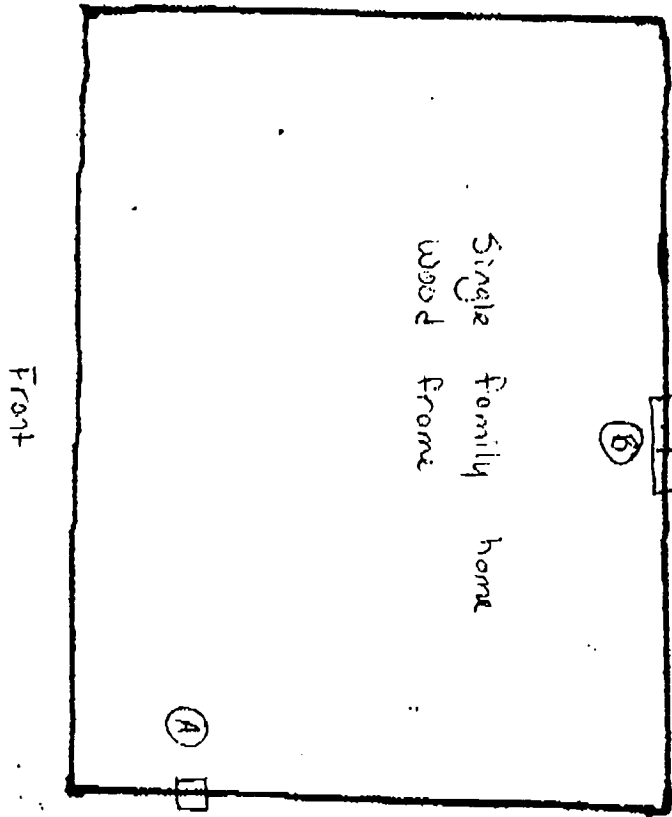
Account #	17780	Map Page No.	SP-04
Tax District	2200	Legal Description	UNINCLUDED LOT 3 AS SHOWN ON PLAT OF PALMETTO PARK, PB 3/66 M/CO. (LESS E 15' & TURNAROUND) & VACATED R/W IN S 25'
Parcel Address	41 S RIVER RD, SEWALL'S POINT		
Acres	.4480		

Parcel Type

Use Code	0100 Single Family
Neighborhood	120200 Heritage P, Palmtto Pk,Rdglnd,

Assessment Information

Market Land Value	\$156,750
Market Improvement Value	\$209,470
Market Total Value	\$366,220



Name: Sworen, Holly
Address: 41 S River dr Stuart
 FL 34996
Phone#: 772-220-8661
Stno: 1109
P.O.#: 159726577

- Ⓐ 30 x 30 side door
- Ⓑ 72 x 80 back door
- R&R

TOWN OF SEWALLS POINT
 BUILDING DEPARTMENT
 FILE COPY

Product Approval

USER: Public User

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

FL # **618228-ER5**
 Application Type **Affirmation**
 Code Version **2010**
 Application Status **Approved**
 Comments
 Archived

Product Manufacturer **Masonite International**
 Address/Phone/Email **1955 Powis Road
 West Chicago, IL 60185
 (615) 441-4258
 sschreiber@masonite.com**

Authorized Signature **Steve Schreiber
 sschreiber@masonite.com**

Technical Representative
 Address/Phone/Email

Quality Assurance Representative
 Address/Phone/Email

Category **Exterior Doors**
 Subcategory **Swinging Exterior Door Assemblies**

Compliance Method **Certification Mark or Listing**

Certification Agency **National Accreditation & Management Institute,**
 Validated By **National Accreditation & Management Institute,**

Referenced Standard and Year (of Standard)	Standard	Year
	ASTM E1886	2002
	ASTM E1996	2002
	ASTM E330	2002
	TAS 202	1994

Equivalence of Product Standards
 Certified By

I affirm that there are no changes in the new Florida Building Code which affect my product(s) and my product(s) are in compliance with the new Florida Building Code.

Documentation from approved Evaluation or Validation Entity Yes No N/A

Product Approval Method **Method 1 Option A**

Date Submitted **02/06/2012**
 Date Validated **02/06/2012**
 Date Pending FBC Approval

8228.8	Fiberglass Side-Hinged Door Unit	6'-8" Glazed Outswing Single or Double Door-w/ or w/o Sidelites
<p>Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +55.0/-55.0 Other: Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, does not exceed the design pressures listed. 12'-0" x 6'-8" max nominal size. Hurricane protective system required in HVHZ and the Wind Borne Debris Region. See DWG-MA-FL0162-07 for additional information.</p>		<p>Certification Agency Certificate FL8228_R5_C_CAC_N1006900.03.pdf Quality Assurance Contract Expiration Date 12/31/2014 Installation Instructions FL8228_R5_II_FL0162Dx.pdf Verified By: National Accreditation & Management Institute, Created by Independent Third Party: Evaluation Reports FL8228_R5_AE_502A.pdf Created by Independent Third Party: Yes</p>

Masonite
SIDE-HINGED FIBERGLASS DOOR UNIT
6'-8" GLAZED DOUBLE DOOR WITH / WITHOUT SIDELITES

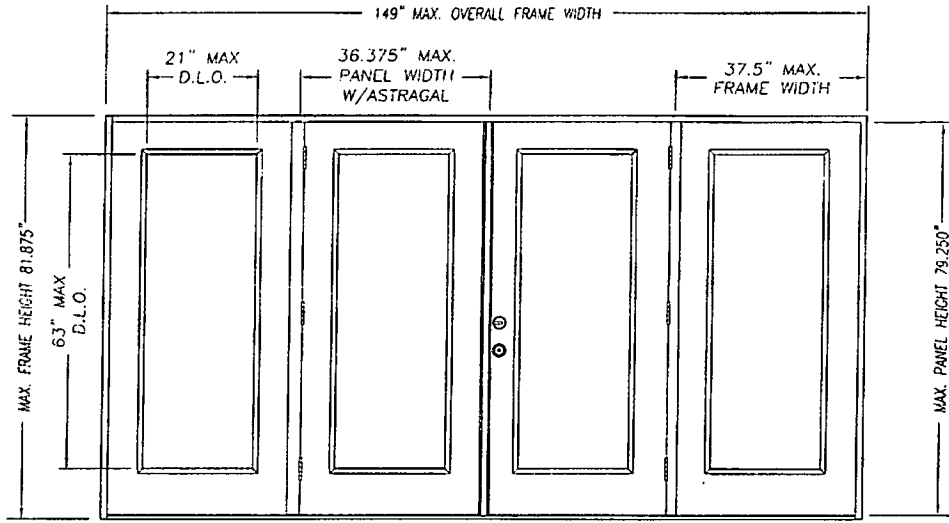
GENERAL NOTES

- EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED.
- WHEN INSTALLED IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ), HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS REQUIRED.
- WHEN INSTALLED IN THE WIND-BORNE DEBRIS REGION, EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ), HURRICANE PROTECTIVE SYSTEM IS NOT REQUIRED ON PANELS WITH IMPACT GLASS, BUT IS REQUIRED ON PANELS WITH NON-IMPACT GLASS.
- POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84. POLYSTYRENE CORE FLAME SPREAD INDEX OF 15 AND SMOKE DEVELOPED INDEX OF 115 PER ASTM E84.
- PLASTICS TESTING OF FIBERGLASS FACING:

TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	752 °F > 650 °F
RATE OF BURNING	ASTM D635	0.56 IN/MIN
SMOKE DENSITY	ASTM D2843	53.4%
TENSILE STRENGTH*	ASTM D638	3.2% DIFF
- PLASTICS TESTING OF LITE FRAME MATERIAL:

TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	740 °F > 650 °F
RATE OF BURNING	ASTM D635	0.77 IN/MIN
SMOKE DENSITY	ASTM D2843	13.4%
TENSILE STRENGTH*	ASTM D638	-7.50% DIFF

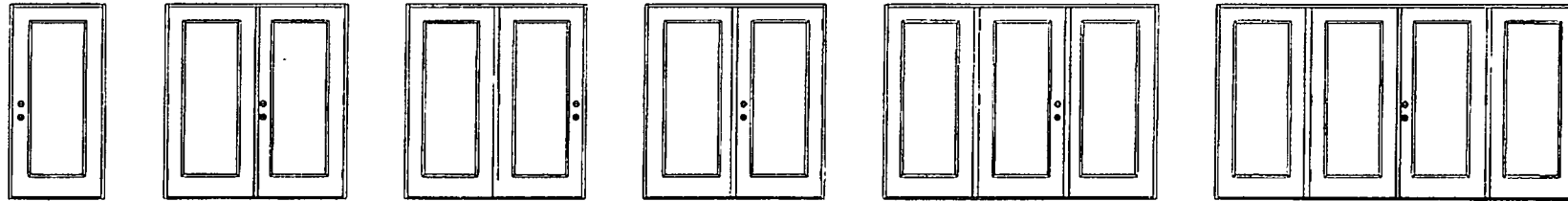
* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING
 4500 HOURS XENON ARC METHOD 1
- IMPACT GLAZING LAMINATE MIAMI DADE BCCO NOA 09-0127.13.



DOUBLE DOOR UNIT W/SIDELITES

Addendum to NAMI

Certification No.: N1006900-R.1
 Reviewed By: [Signature]
 Date Reviewed: 9/3/11



SINGLE DOOR UNIT DOUBLE DOOR UNIT SINGLE DOOR UNIT WITH SIDELITE SINGLE DOOR UNIT WITH SIDELITE SINGLE DOOR UNIT W/SIDELITES DOUBLE DOOR UNIT W/SIDELITES

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS

CONFIG	MAX WIDTH	DESIGN PRESSURE RATING				WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE			
		INSWING		OUTSWING		INSWING		OUTSWING	
		INSWING	OUTSWING	INSWING	OUTSWING	INSWING*	OUTSWING*		
X	37.5"	+52.0 / -52.0	+55.0 / -55.0	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -55.0	+55.0 / -55.0	+55.0 / -55.0	
XX	74"	+52.0 / -52.0	+55.0 / -55.0	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -55.0	+55.0 / -55.0	+55.0 / -55.0	
Ox or XO	75"	+52.0 / -52.0	+55.0 / -55.0	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -55.0	+55.0 / -55.0	+55.0 / -55.0	
Oxo	112.5"	+52.0 / -52.0	+55.0 / -55.0	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -55.0	+55.0 / -55.0	+55.0 / -55.0	
OXXO	149"	+52.0 / -52.0	+55.0 / -55.0	+19.0 / -19.0	+40.0 / -40.0	+55.0 / -55.0	+55.0 / -55.0	+55.0 / -55.0	

* High Dam Threshold Design

Kurt Bathy

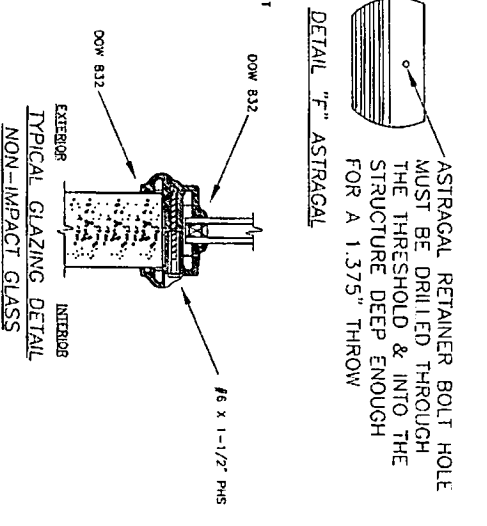
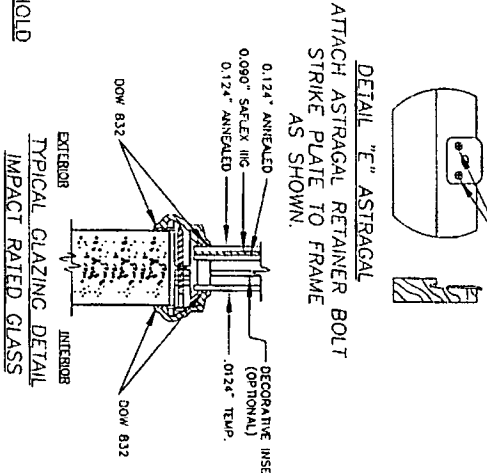
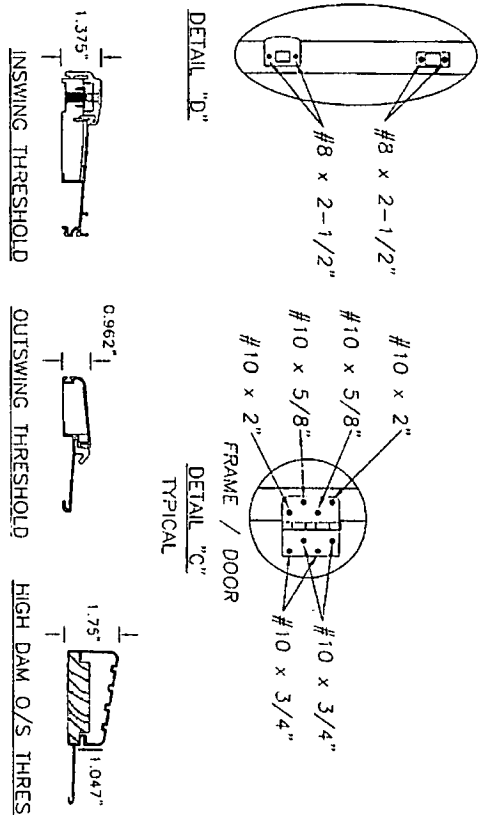
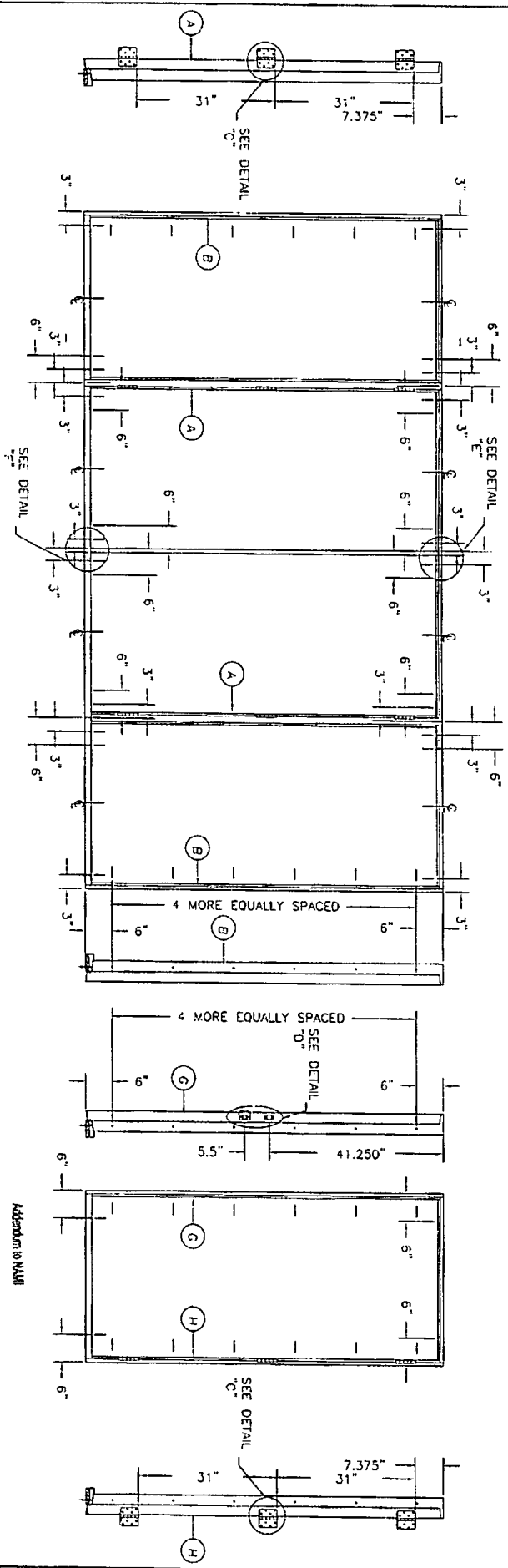
KURT BALTHAZOR
 FLORIDA P.E.
 #56533

MASONITE INTERNATIONAL CORP.
 1955 POWIS ROAD
 WEST CHICAGO, IL 60185

PRODUCT: EXTERIOR DOOR PRODUCT
 DOUBLE 6'8" GLAZED FIBERGLASS DOOR

DETAIL CLARIFICATION: SWS
 MISC. UPDATES: SWS
 HINGE SCREW LENGTH: SWS
 UPDATED DP RATINGS: SWS

DATE: 1/5/07
 SCALE: N.T.S.
 DWG. BY: SWS
 CHK. BY:
 DRAWING NO.: DWG-MA-FL0162-07
 SHEET 1 OF 3



Certification No.: N1666809-121
 Reviewed By: J. J. [Signature]
 Date Reviewed: 2/2/11

Appendix B MAIN

NO.	DATE	REVISIONS	BY
D	9/7/11	DETAIL CLARIFICATION	SWS
C	11/2/10	MISC UPDATES	SWS
B	1/2/08	HINGE SCREW LENGTH	SWS
A	4/9/07	UPDATED DP RATINGS	SWS
NO.			

PRODUCT:	PART OR ASSEMBLY:
EXTERIOR DOOR PRODUCT 6"-8" FIBERGLASS GLAZED DOUBLE DOOR UNIT	ANCHORING LOCATIONS & DETAILS

MASONITE INTERNATIONAL CORP.
 1955 POWIS ROAD
 WEST CHICAGO, IL 60185

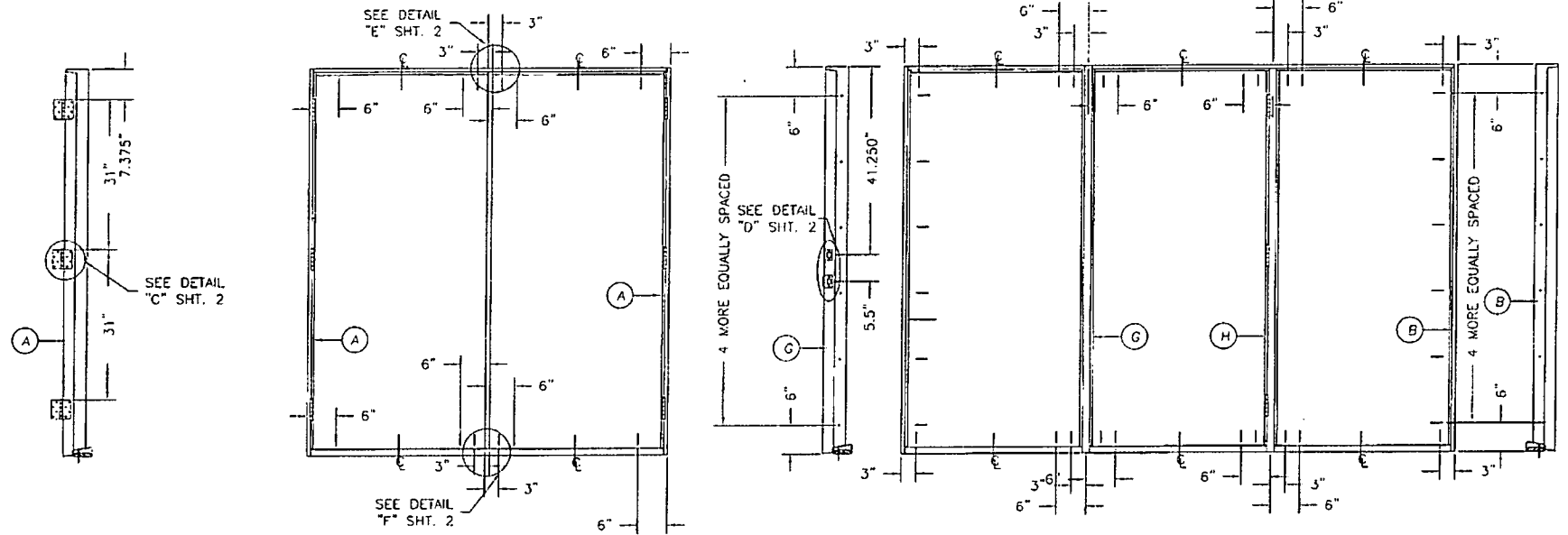
DATE: 1/5/07
 SCALE: N.T.S.
 DWG. BY: SWS
 CHECK BY: SWS
 DRAWING NO.: DWG-MA-F10162-07
 SHEET 2 OF 3

MASONITE INTERNATIONAL CORP.
 1955 POWIS ROAD
 WEST CHICAGO, IL 60185

PRODUCT: EXTERIOR DOOR PRODUCT
 6'-8" FIBERGLASS GLAZED
 DOUBLE DOOR UNIT
 PART OR ASSEMBLY:
 ANCHORING LOCATIONS
 & DETAILS

NO.	DATE	REVISIONS
D	9/7/11	DETAIL CLARIFICATION
C	11/2/10	MISC UPDATES
B	1/27/08	HINGE SCREW LENGTH
A	4/9/07	UPDATED DP RATINGS
		BY

DATE: 1/5/07
 SCALE: N.T.S.
 DWG. BY: SWS
 CHK. BY:
 DRAWING NO.:
 DWG-MA-FL0162-07
 SHEET 3 of 3

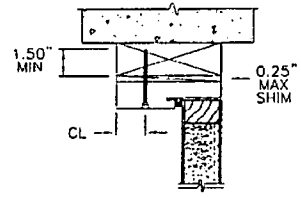


ATTACHMENT DETAIL

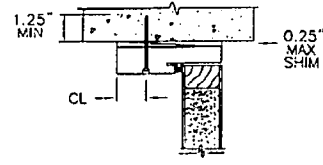
- ANCHOR ANALYSIS FOR LOADING CONDITIONS PREPARED, SIGNED AND SEALED BY LUIS R. LOMAS, PE (FLORIDA #62514) WITH THE LOWEST (LEAST) FASTENER RATING FROM THE DIFFERENT FASTENERS BEING CONSIDERED FOR USE. JAMB, HEAD, AND THRESHOLD FASTENERS ANALYZED FOR THIS UNIT INCLUDE #10 WOOD SCREWS OR 3/16" TAPCONS. A PHYSICAL SHIM MUST BE PLACED IN SHIM SPACE AT EACH ANCHOR LOCATION. TAPCON EDGE DISTANCE MIN 2-5/8".
- MULLIONS TO BE 2-1/2" X 4-3/8" STRUCTURAL GRADE FJ PINE ON CONTINUOUS HEAD AND SILL UNITS. BACK TO BACK JAMB UNITS JOINED WITH 1" X 1/2" LONG CORRUGATED FASTENERS LOCATED 3" FROM EACH END AND MAXIMUM 7" O.C. OR #10 X 2" FLAT HEAD WOOD SCREWS LOCATED 6" FROM EACH END AND MAXIMUM 12" O.C.
- THE WOOD SCREW SINGLE SHEAR DESIGN VALUES COME FROM ANSI/AF&PA NDA FOR SOUTHERN PINE LUMBER AND ACHIEVEMENT OF 1-1/2" MINIMUM EMBEDMENT. THE TAPCON MUST ACHIEVE MINIMUM EMBEDMENT OF 1-1/4".
- WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE.
- MINIMUM DESIGN VALUE STRENGTH OF ANCHORS 171 LBS.

HARDWARE SCHEDULE

- KWIKSET SERIES 400 GRADE 3 CYLINDRICAL LATCH AND SERIES 980 GRADE 1 DEADLOCK HARDWARE TO BE INSTALLED AT 5-1/2" CENTERLINE.
- 4" X 4" FULL MORTISE BUTT HINGES.



TYPICAL WOOD BUCK ANCHOR INSTALLATION



TYPICAL MASONRY ANCHOR INSTALLATION

Attendum to NAMI
 Certification No.: N1606909-121
 Reviewed By: [Signature]
 Date Reviewed: 10/22/11

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection Mon Tue Wed Thur Fri **8-20-13** Page 1 of

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
10534	Holley 415 River Rd Loues	Final Door	Pass	CLOSE INSPECTOR <i>[Signature]</i>
10469	Villa 18 Herons HB AIC	Final AIC	Pass	CANCEL INSPECTOR
10554	Parrott 1 Island Rd NisQui	Final AIC	Pass	CLOSE INSPECTOR <i>[Signature]</i>
10474	Santa Eulalia 625 River Rd CDR	Final Fence	Pass	CLOSE INSPECTOR <i>[Signature]</i>
10545	Fitzsimmons 99 N Sewalls Louie's	Final ROUGH Windows & DOOR	Pass	INSPECTOR <i>[Signature]</i>
10480	SHARFI 73 - N. SPT RD	CMPT elec & PLUMB	Pass	INSPECTOR <i>[Signature]</i>
10522	SHARFI 73 N. River	FOOTING	Pass	INSPECTOR <i>[Signature]</i>

11086

A/C CHANGEOUT



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

BUILDING PERMIT CARD

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

A FINAL INSPECTION IS REQUIRED FOR ALL PERMITS

PERMIT NUMBER:	11086	DATE ISSUED:	November 13, 2014
SCOPE OF WORK:	A/C Change Out		
CONTRACTOR:	All Star Air, Inc		
PARCEL CONTROL NUMBER:	01-38-41-010-000-00240-0	SUBDIVISION:	Lot 3 Palmetto Park
CONSTRUCTION ADDRESS:	41 S River Road		
OWNER NAME:	Holly		
QUALIFIER:	David Polling	CONTACT PHONE NUMBER:	878-0425

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

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

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

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

INSPECTIONS

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

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



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

BUILDING PERMIT RECEIPT

PERMIT NUMBER:	11086		
ADDRESS:	41 S River Road		
DATE ISSUED:	11/13/2014	SCOPE OF WORK:	A/C Change Out

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

Plan Submittal Fee (\$350.00 SFR, \$175.00 Remodel < \$200K)	\$	
--	----	--

(No plan submittal fee when value is less than \$100,000)

Total square feet air-conditioned spa

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER AND ORIGINAL DOCUMENT SECURITY SCREEN ON BACK WITH PADLOCK SECURITY ICON.

17471

All Star Air Inc

PO Box 881634
 Port Saint Lucie Fl 34988
 (772) 878-0425

Washington Mutual
 1701 NW Saint Lucie West Blvd
 Port Saint Lucie Fl 34988

63-8413/2670

12-3-2014

PAY TO THE ORDER OF

Sewalls Point Building Dept

\$ 109.00

one Hundred nine

DOLLARS
 Security features included.
 Details on back

MEMO

PERMIT 41 S. River Rd Holly

[Signature]
 AUTHORIZED SIGNATURE

MP

TOTAL BUILDING PERMIT FEE:	\$	\$	-
----------------------------	----	----	---

ACCESSORY PERMIT	Declared Value:	\$	\$ 4,775.00
Total number of inspections:	@ \$ 100.00 per insp. # insp	1	\$ 100.00
Dept. of Comm. Affairs Fee: (1.5% of permit fee - \$2.00 min)		\$	\$ 2.00
DBPR Licensing Fee: (1.5% of permit fee - \$2.00 min.)		\$	\$ 2.00
Road impact assessment: (.04% of construction value - \$5 min.)		\$	\$ 5.00

TOTAL ACCESSORY PERMIT FEE:	\$	\$ 109.00
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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:	11086		
ADDRESS:	41 S River Road		
DATE ISSUED:	11/13/2014	SCOPE OF WORK:	A/C Change Out

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

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

ACCESSORY PERMIT	Declared Value:	\$	\$ 4,775.00
Total number of inspections: @ \$ 100.00 per insp. # insp		\$	100.00
Dept. of Comm. Affairs Fee: (1.5% of permit fee - \$2.00 min)		\$	\$ 2.00
DBPR Licensing Fee: (1.5% of permit fee - \$2.00 min.)		\$	\$ 2.00
Road impact assessment: (.04% of construction value - \$5 min.)		\$	5.00
TOTAL ACCESSORY PERMIT FEE:		\$	109.00

Town of Sewall's Point

BUILDING PERMIT APPLICATION

Permit Number: 11086

Date: November 4, 2014

OWNER/LESSEE NAME: Sharon Holly Phone (Day) (772) 220-8661 (Fax) _____

Job Site Address: 41 S. River Road City: Sewalls Point State: FL Zip: 34996

Legal Description Lot 3 Palmetto Park PB 3/66 M/CO Parcel Control Number: 01-38-41-010-000-00240-0

Fee Simple Holder Name: _____ Address: _____

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

***SCOPE OF WORK (PLEASE BE SPECIFIC):** A/c Change Out

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

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

COST AND VALUES: (Required on ALL permit applications)
Estimated Value of Improvements: \$4,775
(Notice of Commencement required when over \$2500 prior to first inspection, \$7,500 on HVAC change out)
Is subject property located in flood hazard area? VE10 AE9 AE8
FOR ADDITIONS, REMODELS AND RE-ROOF APPLICATIONS ONLY:
Estimated Fair Market Value prior to improvement: \$ _____
(Fair Market Value of the Primary Structure only, Minus the land value)
PRIVATE APPRAISALS MUST BE SUBMITTED WITH PERMIT APPLICATION

Construction Company: All Star Air Inc Phone: (772) 878-0425 Fax: (772) 878-0325

Qualifiers name: David Poling Street: 2600 Sw Juliet Ave City: Port St Lucie State: Fl Zip: 34987

State License Number: CAC1816883 OR: Municipality: _____ License Number: _____

LOCAL CONTACT: David Poling Phone Number: (772) 607-2377

DESIGN PROFESSIONAL: _____ Fla. License# _____

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

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

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

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

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

WARNINGS TO OWNERS AND CONTRACTORS:

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

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

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

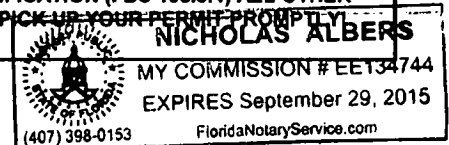
OWNER /AGENT/LESSEE - NOTARIZED SIGNATURE:
X [Signature]
State of Florida, County of: Saint Lucie
On This the 4th day of November, 2014
by David Poling who is personally
known to me or produced _____
As identification, _____

~~CONTRACTOR LICENSE~~ NOTARIZED SIGNATURE:
X [Signature]
State of Florida, County of: Saint Lucie
On This the 4th day of November, 2014
by David Poling who is personally
known to me or produced _____
As identification, _____

My Commission Expires: [Signature]
Notary Public

My Commission Expires: [Signature]
Notary Public

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!



Proposal

Martin Palm Beach
 (772) 334-5600 (561) 629-1277
 Fax
 (772) 878-0325

St. Lucie Vero Beach
 (772) 878-0425 (772) 360-1271
 Licensed & Insured
 CAC1816883



PROPOSAL SUBMITTED TO Holly Residence		PHONE (772) 220-8661	DATE November 4, 2014
STREET 41 S. River Road		JOB NAME 3 Ton Trane 16 SEER System	
CITY / STATE / ZIP Sewalls Point FL 34996		JOB LOCATION	
TECHNICIAN Steve	DATE OF WORK	01-38-41-010-000-00240-0	JOB PHONE

We hereby submit specifications and estimates for:

All Star Air Agrees To Perform The Below Listed Work In A Professional Manner And In Accordance With All Governing Codes.

All Star Air Agrees To Install One New High Efficiency Trane Air Conditioning And Heating System. The System Will Be A 3 Ton Condenser Model (4TTR6036B1) With Air Handler Model Number (GAM5B0B36M31). System Includes An 10 KW Heater, Honeywell Digital Thermostat, Low Voltage And High Voltage Wiring, The Evacuation Of All Refrigerant Lines, And All Labor And Materials Necessary For A Completed Job. The System Will Have An Overall Rating Of 16 SEER As Rated By The American Refrigeration Institute. The System Will Be Designed To Deliver 1205 Cfm At .45 Iwc For Both Cooling And Heating Cycles. The System Air Handler Stand Will Be Lined With A Vapor Barrier, And All Areas Will Be Caulked, Sealed, And Painted. An Emergency SS-2 Water Safety Float Switch Will Also Be Installed. System Air Handler Will Have An Electronically Communicated High Efficiency Motor. The System Will Be Tied Down With Hurricane Clips, Evacuated And Balanced For Maximum Efficiency. All City Of Sewalls Point Permit And Inspection Fees Will Be Included. Ductwork Will Be Sprayed And Sanitized With A Microbiocide.

The Warranty Consists Of Ten Years On The Compressor, Ten Years On The Condensing Coils, Ten Years On All Of The Remaining Parts, And A Two Year Labor Guarantee Starting From The Time Of The Initial Startup Of The Equipment.

We Propose hereby to furnish material and labor, complete in accordance with above specifications, for the sum of:
 Four Thousand Seven Hundred Seventy Five And No***** Dollars (\$4,775)

Florida Power And Light Rebate Of 585 For The Purchase Of This High Efficiency Equipment Has Been Deducted From This Proposal

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practice. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized Signature _____

Note: This proposal may be withdrawn by us if not accepted within _____ days.

Acceptance Of Proposal The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Date of Acceptance: _____

Nov. 6, 2014

Signature _____



CERTIFICATE OF LIABILITY INSURANCE

OP ID: MK

DATE (MM/DD/YYYY)

11/05/2014

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 Stuart Insurance, Inc. 3070 S W Mapp Palm City, FL 34990 Cabot W. Lord, CIC.		Phone: 772-286-4334 Fax: 772-286-9389	CONTACT NAME: PHONE (A/C, No, Ext): E-MAIL ADDRESS: PRODUCER CUSTOMER ID #: ALLST-2	FAX (A/C, No):
INSURED All Star Air, Inc. 2600 Juliet Avenue Port St Lucie, FL 34987		INSURER(S) AFFORDING COVERAGE INSURER A : Old Dominion Insurance Company		NAIC # 40231
		INSURER B :		
		INSURER C :		
		INSURER D :		
		INSURER E :		
		INSURER F :		

COVERAGES

CERTIFICATE NUMBER:

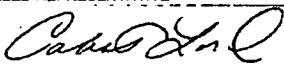
REVISION NUMBER:

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 INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	GENERAL LIABILITY			MPG78176	04/11/2014	04/11/2015	EACH OCCURRENCE	\$ 1,000,000	
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 500,000	
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 10,000	
	GEN'L AGGREGATE LIMIT APPLIES PER:							PERSONAL & ADV INJURY	\$ 1,000,000
	<input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJ-JECT <input type="checkbox"/> LOC						GENERAL AGGREGATE	\$ 2,000,000	
							PRODUCTS - COMP/OP AGG	\$ 2,000,000	
									\$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$	
	<input type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$	
	<input type="checkbox"/> ALL OWNED AUTOS						BODILY INJURY (Per accident)	\$	
	<input type="checkbox"/> SCHEDULED AUTOS						PROPERTY DAMAGE (Per accident)	\$	
	<input type="checkbox"/> HIRED AUTOS							\$	
	<input type="checkbox"/> NON-OWNED AUTOS							\$	
	UMBRELLA LIAB						EACH OCCURRENCE	\$	
	<input type="checkbox"/> EXCESS LIAB						AGGREGATE	\$	
	<input type="checkbox"/> OCCUR							\$	
	<input type="checkbox"/> CLAIMS-MADE							\$	
	DEDUCTIBLE							\$	
	RETENTION \$							\$	
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						WC STATUTORY LIMITS	OTHER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						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)
 Air Conditioning Contractor / State of Florida

CERTIFICATE HOLDER**CANCELLATION**

TOWSP-1 Town of Sewalls Point Building Dept 1 South Sewalls Point Road Sewalls Point, FL 34996	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 
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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/5/2014

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 SUNZ Insurance Solutions, LLC ID(Essential) c/o Essential HR, Inc. dba First Star HR 251 O'Connor Ridge Blvd Suite 370 Irving, TX 75038	CONTACT NAME: Jennifer Hauger
	PHONE (A/C, No, Ext): 214-492-1986 FAX (A/C, No):
	E-MAIL ADDRESS: jennifer.hauger@firststarhr.com
	INSURER(S) AFFORDING COVERAGE
	INSURER A: SUNZ Insurance Company NAIC # 34762
INSURED Essential HR Inc., Essential HR II Inc, dba First Star HR 251 O'Connor Ridge Blvd Suite 370 Irving TX 75038	INSURER B: Aspen Re - London - Best Rating "A"
	INSURER C: Catlin Syndicate - Lloyds - Best Rating "A"
	INSURER D: Brit Syndicate - Lloyds - Best Rating "A"
	INSURER E:
	INSURER F:

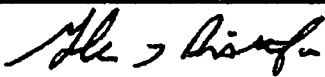
COVERAGES **CERTIFICATE NUMBER:** 22230894 **REVISION NUMBER:**

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 <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMPOP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			WCPE0000184 02 WCPE0000184 01	10/1/2014 10/1/2013	10/1/2015 10/1/2014	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> 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
B	Workers Compensation						This is for informational purposes and nothing shall create any right under such reinsurance.
C	Excess Coverage						
D							

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Coverage provided for all leased employees but not subcontractors of: ALL STAR AIR, INC.
 Effective date: 10/1/2013

CERTIFICATE HOLDER 67700004 Town of Sewalls Point Building Dept One S. 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  Glen J Distefano
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ACORD 25 (2014/01)

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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: 2600 SW JULIET AVE
Classification: CONT CONTRACTOR
Issued to: ALL STAR AIR INC
PO BOX 881634

PORT ST LUCIE FL 34988

Business Tax 127141 / 15-1042935
Fee: 134.00
Discount: 0.00

James Grayson
BUSINESS TAX AUTHORITY

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

LOCAL BUSINESS TAX RECEIPT CITY OF PORT ST. LUCIE 4045 / 010 Ireid
Fees: 134.00 Late Fees: 0.00 Total this payment: 134.00

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 and provided the necessary documentation (if required) for this business. 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 TERM: October 1, 2014 to September 30, 2015

RECEIPT FOR PAYMENT

Business Address: 2600 SW JULIET AVE
Classification: CONT CONTRACTOR

Business Tax 127141 / 15-1042935
Fee: 134.00
Discount: 0.00

Issued to: ALL STAR AIR INC
PO BOX 881634

PORT ST LUCIE FL 34988

404 / 010 Ireid
Fees: ~~134.00~~ Late Fees: ~~0.00~~ Total this payment: ~~134.00~~
THIS IS A RECEIPT FOR TAX PAID AND IS NOT REGULATORY IN NATURE

LOCAL BUSINESS TAX RECEIPT CITY OF PORT ST. LUCIE

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 and provided the necessary documentation (if required) for this business. Valid only when all state and local regulated trade licenses / competency cards are valid for the current fiscal year as required by law. TERM: October 1, 2014 to September 30, 2015

Fees: 134.00 Late Fees: 0.00 Total this payment: 134.00

FILE COPY

Business Address: 2600 SW JULIET AVE
Classification: CONT CONTRACTOR
Issued to: ALL STAR AIR INC
PO BOX 881634

Business Tax 127141 / 15-1042935
Fee: 134.00
Discount: 0.00
404 / 010 Ireid

DETACH HERE

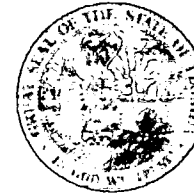
RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

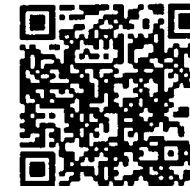
**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD**

LICENSE NUMBER	
CAC1816883	

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



POLING, DAVID DUANE
ALL STAR AIR, INC.
2600 SW JULIET AVE
PORT ST LUCIE FL 34987



ISSUED: 06/08/2014

DISPLAY AS REQUIRED BY LAW

SEQ # L1406080001073

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

generated on 11/6/2014 3:37:21 PM EST

Summary

Parcel ID	Account #	Unit Address	Market Total Value	Website Updated
01-38-41-010-000-00240-0	17780	41 S RIVER RD, SEWALL'S POINT	\$391,520	11/1/2014

Owner Information

Owner(Current)	HOLLY SHARON KAY
Owner/Mail Address	41 S RIVER RD STUART FL 34996
Sale Date	12/8/1993
Document Book/Page	<u>1044 2869</u>
Document No.	
Sale Price	100

Location/Description

Account #	17780	Map Page No.	SP-04
Tax District	2200	Legal Description	UNINCLUDED LOT 3 AS SHOWN ON PLAT OF PALMETTO PARK, PB 3/66 M/CO. (LESS E 15' & TURNAROUND) & VACATED R/W IN S 25'
Parcel Address	41 S RIVER RD, SEWALL'S POINT		
Acres	.4480		

Parcel Type

Use Code	0100 Single Family
Neighborhood	120200 Heritage P, Palmtto Pk,Rdglnd,

Assessment Information

Market Land Value	\$167,200
Market Improvement Value	\$224,320
Market Total Value	\$391,520



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

TOWN OF SEWALL'S POINT
 BUILDING DEPARTMENT
 FILE COPY

Air Conditioning Change out Affidavit

Residential Commercial _____
 Package Unit Yes No (Use Condenser side of form below for equipment listing)
 Duct Replacement Yes No - Refrigerant line replacement Yes No
 Flushing Existing Refrigerant lines Yes No - Adding Refrigerant Drier Yes No
 Rooftop A/C Stand Installation Yes No - Curb Installation Yes No
 Smoke Detector in Supply (over 2000 CFM) Yes No

One form required for each A/C system installed

REPLACEMENT SYSTEM COMPONENTS

<u>Air handler:</u> Mfg: <u>Trane</u> Model# <u>GAM5B0B36</u>	<u>Condenser:</u> Mfg <u>Trane</u> Model# <u>4TTR6036B1</u>
Volts <u>240</u> CFM's <u>1200</u> Heat Strip <u>10</u> Kw	Volts <u>240</u> SEER/EER <u>16</u> BTU's <u>35,000</u>
Min. Circuit Amps <u>55</u> Wire gauge <u>#6</u>	Min. Circuit Amps <u>19</u> Wire gauge <u>#8</u>
Max. Breaker size <u>60</u> Min. Breaker size <u>55</u>	Max. Breaker size <u>30</u> Min. Breaker size <u>30</u>
Ref. line size: Liquid <u>3/8</u> Suction <u>3/4</u>	Ref. line size: Liquid <u>3/8</u> Suction <u>3/4</u>
Refrigerant type <u>R410A</u>	Refrigerant type <u>R410A</u>
Location: Existing <input checked="" type="checkbox"/> New _____	Location: Existing <input checked="" type="checkbox"/> New _____
Attic/Garage/Closet (specify) <u>Garage</u>	Left/Right/Rear/Front/Roof _____
Access: _____	Condensate Location <u>Floor</u>

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

EXISTING SYSTEM COMPONENTS

<u>Air handler:</u> Mfg: <u>Trane</u> Model# <u>TWE037E13</u>	<u>Condenser:</u> Mfg <u>Trane</u> Model# <u>TTR1036A</u>
Volts <u>240</u> CFM's <u>1200</u> Heat Strip <u>10</u> Kw	Volts <u>240</u> SEER/EER <u>11</u> BTU's <u>35,500</u>
Min. Circuit Amps <u>55</u> Wire gauge <u>#6</u>	Min. Circuit Amps <u>23</u> Wire gauge <u>#8</u>
Max. Breaker size <u>60</u> Min. Breaker size <u>55</u>	Max. Breaker size <u>30</u> Min. Breaker size <u>30</u>
Ref. line size: Liquid <u>3/8</u> Suction <u>3/4</u>	Ref. line size: Liquid <u>3/8</u> Suction <u>3/4</u>
Refrigerant type <u>R22</u>	Refrigerant type <u>R22</u>
Location: Ext. <input checked="" type="checkbox"/> New _____	Location: Ext. <input checked="" type="checkbox"/> New _____
Attic/Garage/Closet (specify) <u>Garage</u>	Left/Right/Rear/Front/Roof _____
Access: _____	Condensate Location <u>Floor</u>

Certification:

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

Signature _____

November 4, 2014
 Date



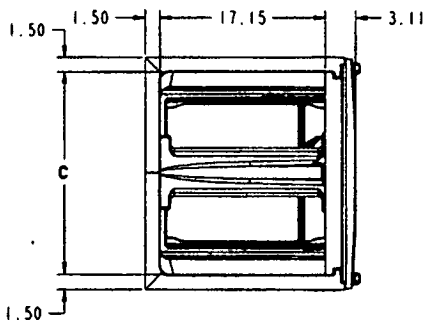
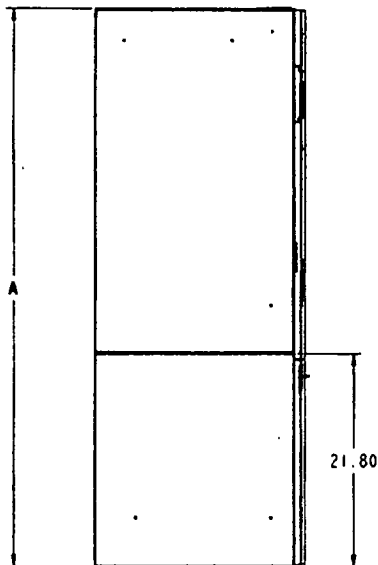
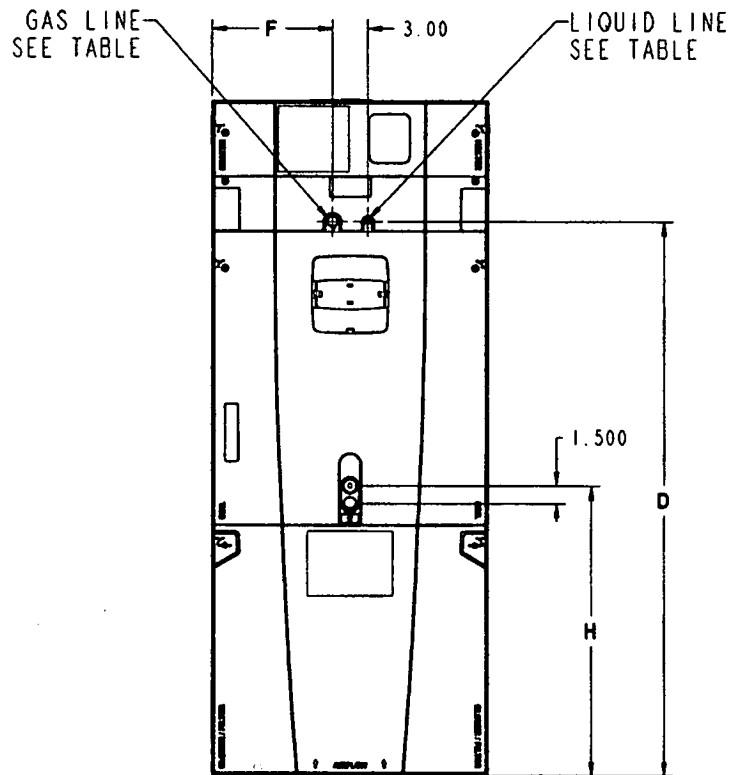
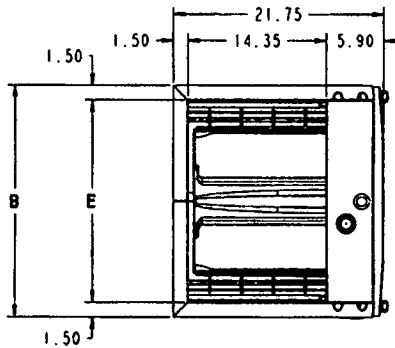
TRANE®

GAM5A0B36-SUB-1C

TAG: _____

Submittal

**3 Ton
Convertible Air Handler
GAM5A0B36M31SA**



MINIMUM UNIT CLEARANCE TABLE		
	TO COMBUSTIBLE MATERIAL (REQUIRED)	SERVICE CLEARANCE (RECOMMENDED)
SIDES	0"	2"
FRONT	0"	21"
BACK	0"	0"
INLET DUCT	0"	
OUTLET DUCT	0"	

MODEL NO.	A	B	C	D	E	F	H	Flow Control	R-410A Gas Line BRAZE	R-410A Liq. Line BRAZE
GAM5A0B36	55.7	21.3	18.4	45.5	18.4	9.2	24.8	EEV	7/8	3/8

PRODUCT SPECIFICATIONS

PRODUCT SPECIFICATIONS	
MODEL	GAM5A0B36M31SA
RATED VOLTS/PH/HZ.	208-230/1/60
RATINGS ①	See O.D. Specifications
INDOOR COIL — Type	Plate Fin
Rows — F.P.I.	3 - 14
Face Area (sq. ft.)	5.04
Tube Size (in.)	3/8
Refrigerant Control	EEV
Drain Conn. Size (in.) ②	3/4 NPT
DUCT CONNECTIONS	See Outline Drawing
INDOOR FAN — Type	Centrifugal
Diameter-Width (In.)	11 X 10
No. Used	1
Drive - No. Speeds	Direct - 5
CFM vs. in. w.g.	See Fan Performance Table
No. Motors — H.P.	1 - 1/2
Motor Speed R.P.M.	1050
Volts/Ph/Hz	208-230/1/60
F.L. Amps	4.1
FILTER	
Filter Furnished?	No
Type Recommended	Throwaway
No.-Size-Thickness	1 - 20 X 20 - 1 in.
REFRIGERANT	R-410A
Ref. Line Connections	Brazed
Coupling or Conn. Size — in. Gas	7/8
Coupling or Conn. Size — in. Liq.	3/8
DIMENSIONS	H x W x D
Crated (In.)	57-1/4 x 24-1/4 x 25-3/4
Uncrated	55-3/4 x 21-1/4 x 21-3/4
WEIGHT	
Shipping (Lbs.)/Net (Lbs.)	150/142

① These Air Handlers are A.H.R.I. certified with various Split System Air Conditioners and Heat Pumps (AHRI STANDARD 210/240). Refer to the Split System Outdoor Unit Product Data Guides for performance data.

② 3/4" Male Plastic Pipe (Ref.: ASTM 1785-76)



GAM5A0B36M31SA MINIMUM HEATER AIRFLOW CFM		
Heater	Minimum Air Speed Tap	
	Without HP	With HP
BAYEAAC05BK1AA BAYEAAC05LG1AA	Tap 2	Tap 3
BAYEAAC08BK1AA BAYEAAC08LG1AA	Tap 3	Tap 4
BAYEAAC10BK1AA BAYEAAC10LG1AA	Tap 4	Tap 5
BAYEAAC10LG3AA	Tap 4	Tap 5
BAYEABC15BK1AA	Tap 4	Tap 5
BAYEABC15LG3AA	Tap 4	Tap 5
BAYEABC20BK1AA	-	-
BAYEACC25BK1AA	-	-

Note: Heating and cooling speeds are the same, factory set at Speed Tap #4.

Note: A "G" only signal from the comfort control will run the blower at a lower speed, factory set at Speed Tap #1. See the Sequence of Operation for additional information.

AIRFLOW PERFORMANCE										
GAM5A0B36M31SA										
EXTERNAL STATIC (In w.g)	AIRFLOW (CFM)									
	Speed Taps - 230 VOLTS					Speed Taps - 208 VOLTS				
	5	4 †	3	2	1	5	4 †	3	2	1
0	1438	1387	1197	1013	732	1435	1383	1194	1009	729
0.1	1394	1340	1143	945	552	1388	1334	1137	939	546
0.2	1350	1299	1090	892	413	1341	1291	1082	884	404
0.3	1301	1245	1031	817	305	1289	1233	1019	806	293
0.4	1253	1197	975	751	209	1239	1183	960	737	195
0.5	1205	1151	917	651	-	1188	1134	900	634	-
0.6	1155	1094	837	578	-	1136	1075	817	559	-
0.7	1099	1032	766	499	-	1077	1010	744	476	-
0.8	1039	972	691	453	-	1014	946	666	-	-
0.9	964	889	633	409	-	936	861	605	-	-

NOTES:

1. Values are with wet coil and without filters.
2. Contact your particular filter manufacturer for pressure drop data.
3. Electric heater pressure drop is negligible and is included within the airflow data.
4. Tap 1 is an continuous fan speed tap.
5. † Factory Setting

WIRING DATA											
GAM5A0B36M31SA											
Heater Model No.	No. of Circuits	240 VOLT					208 VOLT				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	-	-	-	4.1*	5	15	-	-	4.1*	5	15
BAYEAC05BK1A BAYEAC05LG1A	1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYEAC08BK1A BAYEAC08LG1A	1	7.68	26200	32.0	45	45	5.76	19700	27.7	40	40
BAYEAC10BK1A BAYEAC10LG1A	1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEAC10LG3A	1-3 PH	9.60	32800	23.1	33	35	7.20	24600	20.0	30	30
BAYEABC15LG3A	1-3 PH	14.40	49200	34.6	48	50	10.80	36900	30.0	42	45
BAYEABC15BK1A - Circuit 1Ⓞ	2	9.60	32800	40	55	60	7.20	24600	34.6	48	50
BAYEABC15BK1A - Circuit 2		4.80	16400	20	25	25	3.60	12300	17.3	22	25

Note: * Motor Amps
Ⓞ MCA and MOP for circuit 1 contains the motor amps

Notes:

1. See Product Data or Air Handler nameplate for approved combinations of Air Handlers and Heaters
2. Heater model numbers may have additional suffix digits.

Mechanical Specifications

- Unique Cabinet Design
 - Double Wall Foamed and Formed Cabinet System
 - Water Proof Cabinet Design
 - R-4.2 Insulating Value (Avg Insulating Value R-8.2)
 - Composite Foamed Cabinet Doors
 - Sweat Eliminating Cabinet Design
 - Loose Fiber Eliminating Cabinet Design
 - Smooth Cleanable Cabinet Design
 - 2% or Less air leakage
 - Precision Durable Door Seals
 - Modular Cabinet
- Multi-Position UP/Down Flow Horizontal Left /Right
- Phillips head door fasteners
- Side Return Option
- Refrigerant Connect
- Condensate Connect
- Premarked Conduit Connection Locations
- Alert Port to view Codes without door removal
- Vortica® Blower with Integrated Slide Deck for Easy Removal
- Polarized Plug connections on Blower
- Control Protection Pocket
- Aluminum Coil with Integrated Slide Deck for Easy Removal
- Polarized Plug connections on Coil EEV
- Slide in Electric Heaters with polarized plug connections (sold as accessory)
- Polarized Plug connections for Electric Heater
- UVC light kit with safety switch and polarized plug connections (sold as accessory)
- Labeled Panels and connections
- 1 1/4" to 1" And 3/4" to 1/2" Conduit connection on Left, Right and Top
- Molded in 1" Standard Filter rail
- Electronic Expansion Valve (EEV) With Low Ambient and Low Superheat Protection
- Dual Refrigerant Compatible as Shipped
- Low Voltage Terminal Connection Point
- 10 Alert Codes
- Enhanced Coil Fin Patented
- Blow Through Design
- High Efficiency ECM Motor
- Maximum Width of 23.5"
- Compact 20.8" depth with doors removed
- Integrated Horizontal Drain pans
- Soft start fan motor operation
- Built in fan delay modes
- Single Color
- Fused 24V Power
- Safety Door Switch
- **5 year warranty**
- **10-year warranty registered**
- **Optional extended warranty available**

Trane
6200 Troup Highway
Tyler, TX 75707



The manufacturer has a policy of continuous product and product data improvement and it reserves the right to change design and specification without notice.



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

Certificate of Product Ratings

AHRI Certified Reference Number: 5873886

Date: 10/30/2014

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

Outdoor Unit Model Number: 4TTR6036B1

Indoor Unit Model Number: GAM5B0B36M31

Manufacturer: TRANE

Trade/Brand name: TRANE

Series name: XR16

Manufacturer responsible for the rating of this system combination is TRANE

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

Cooling Capacity (Btuh):	35000
EER Rating (Cooling):	13.00
SEER Rating (Cooling):	16.00
IEER Rating (Cooling):	

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

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CERTIFICATE VERIFICATION

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CERTIFICATE NO.:

130591615474046269

BMP International

2010 Florida Building Code State Approved, FL 14239-R1 EQUIPMENT TIE DOWNS

TD04	1" x 4" Tie Down Clip, Galv/Powder Coat, 4/Bag
TD06	1" x 6" Tie Down Clip, Galv/Powder Coat, 4/Bag
TD08	1" x 8" Tie Down Clip, Galv/Powder Coat, 4/Bag
TD04SS	1" x 4" Tie Down Clip, Stainless Steel, 4/Bag
TD06SS	1" x 6" Tie Down Clip, Stainless Steel, 4/Bag
TD042L	2" x 4" Tie Down Clip, Galv/Powder Coat, 4/Bag
TD062L	2" x 6" Tie Down Clip, Galv/Powder Coat, 4/Bag
TD062	2" x 6" Fat Cat Clip, Galvanized, 4/Bag

BMP International, Inc., 4710 28th St N, St. Petersburg, FL 33714 - 727-458-0544

Note: This file contains approval information from www.floridabuilding.org for BMP tie down clips. Information required by building departments will vary, from listing the approval number, FL14239-R1, on your permit application to submitting copies of the drawings. Consult with the individual building departments for their requirements. This file can be downloaded in PDF format for use. Drawings 1-4 contain the installation instructions.

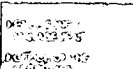


Florida Department of
**Business & Professional
Regulation**

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 Application Detail



FL #	FL14239-R1						
Application Type	Revision						
Code Version	2010						
Application Status	Approved						
Comments							
Archived	--						
Product Manufacturer	BMP International Inc.						
Address/Phone/Email	4710 28th Street N St. Petersburg, FL 33714 (727) 458-0544 benmeng8@yahoo.com						
Authorized Signature	Xianbin Meng benmeng8@yahoo.com						
Technical Representative							
Address/Phone/Email							
Quality Assurance Representative							
Address/Phone/Email							
Category	Structural Components						
Subcategory	Anchors						
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ✓ Evaluation Report - Hardcopy Received						
Florida Engineer or Architect Name who developed the	Frank L. Bennardo, P.E.						
Evaluation Report							
Florida License	PE-0046549						
Quality Assurance Entity	National Accreditation & Management Institute,						
Quality Assurance Contract Expiration Date	12/31/2013						
Validated By	Ryan J. King, P.E. ✓ Validation Checklist - Hardcopy Received						
Certificate of Independence	FL14239_R1_COI_COI.pdf						
Referenced Standard and Year (of Standard)	<table border="0"> <tr> <td>Standard</td> <td>Year</td> </tr> <tr> <td>ASTM D1761-06</td> <td>2006</td> </tr> <tr> <td>ASTM D1761-88</td> <td>2000</td> </tr> </table>	Standard	Year	ASTM D1761-06	2006	ASTM D1761-88	2000
Standard	Year						
ASTM D1761-06	2006						
ASTM D1761-88	2000						
Equivalence of Product Standards							
Certified By	Florida Licensed Professional Engineer or Architect FL14239_R1_Equiv_Equiv.pdf						
Sections from the Code							
Product Approval Method	Method 1 Option D						
Date Submitted	09/29/2011						
Date Validated	12/13/2011						
Date Pending FBC Approval	12/18/2011						
Date Approved	01/31/2012						

Summary of Products

FL #	Model, Number or Name	Description
14239.1	Slotted Steel Tie-Down Clips, 1" and 2" Models	Steel Tie-Down Clip System (For Use with Mechanical Units at Roof or Grade)
Limits of Use Approved for use in MVHZ: Yes Approved for use outside MVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: This design provides allowable capacities for the system. The required site-specific design pressure (demand) shall be calculated by others for use with this design.		Installation Instructions FL14239_R1_II_Dwg.pdf Verified By: Frank L. Bennardo, P.E. 0046549 Created by Independent Third Party: Yes Evaluation Reports FL14239_R1_AE_Eval.pdf Created by Independent Third Party: Yes

Product Evaluation Report

November 4, 2011

Application Number: FL #14239
FLB Project Number: 11-BMP-0001-01

Product Manufacturer: BMP International

Manufacturer Address: 4710 28th Street North
St. Petersburg, FL 33714

Product Name: Slotted Steel Tie-Down Clips, 1" and 2" Models
Product Description: Steel Tie-Down Clip System (For Use with Mechanical Units at Roof or Grade)

Scope of Evaluation:

This Product Evaluation Report is being issued in accordance with the requirements of the Florida Department of Community Affairs (Florida Building Commission) Rule Chapter 9N-3.005, F.A.C., for statewide acceptance per Method 1(d). The product noted above has been tested and/or evaluated as summarized herein to show compliance with the 2010 Florida Building Code and is, for the purpose intended, at least equivalent to that required by the Code. Re-evaluation of this product shall be required following pertinent Florida Building Code modifications or revisions.

Substantiating Data:

- **PRODUCT EVALUATION DOCUMENTS**

FLB drawing #11-BMP-0001-01 titled "Mechanical Unit Steel Tie-Down Clip Capacities: At-Grade and Roof-Top Mounted Applications", sheets 1-4, prepared by Engineering Express, signed & sealed by Frank L. Bennardo, P.E. is an integral part of this Evaluation Report.

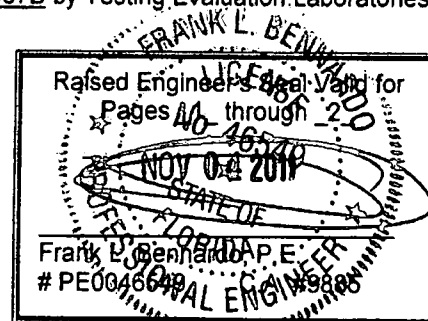
- **TEST REPORTS**

Ultimate test loading structural performance has been tested in accordance with ASTM D1761-88 test standards per test report(s) #TEL 01970387A and #TEL 01970387B by Testing Evaluation Laboratories, Inc.

- **STRUCTURAL ENGINEERING CALCULATIONS**

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

1. Maximum Allowable Unit Wind Pressures
2. Minimum Allowable Unit Width
3. Maximum Allowable Unit Height
4. Minimum Unit Weight
5. Maximum Allowable Unit Surface Area
6. Clip Configuration and Anchor Spacing
7. Anchor Capacity for Various Substrates



8. Maximum Allowable Additional Uplift per Clip in Combination with Lateral Forces (For Use with Rooftop Applications)

No 33% increase in allowable stress has been used in the design of this product.

Impact Resistance:

Not applicable to this product.

Wind Load Resistance

This product has been designed to resist wind loads as indicated in the design schedule(s) on the Product Evaluation Document (i.e. engineering drawing).

Installation

The product listed above shall be installed in strict compliance with the Product Evaluation Document (i.e. engineering drawing), along with all components noted therein.

The product components shall be of the material specified in the Product Evaluation Document (i.e. engineering drawing).

Limitations & Conditions of Use:

Use of this product shall be in strict accordance with the Product Evaluation Document (i.e. engineering drawing) as noted herein.

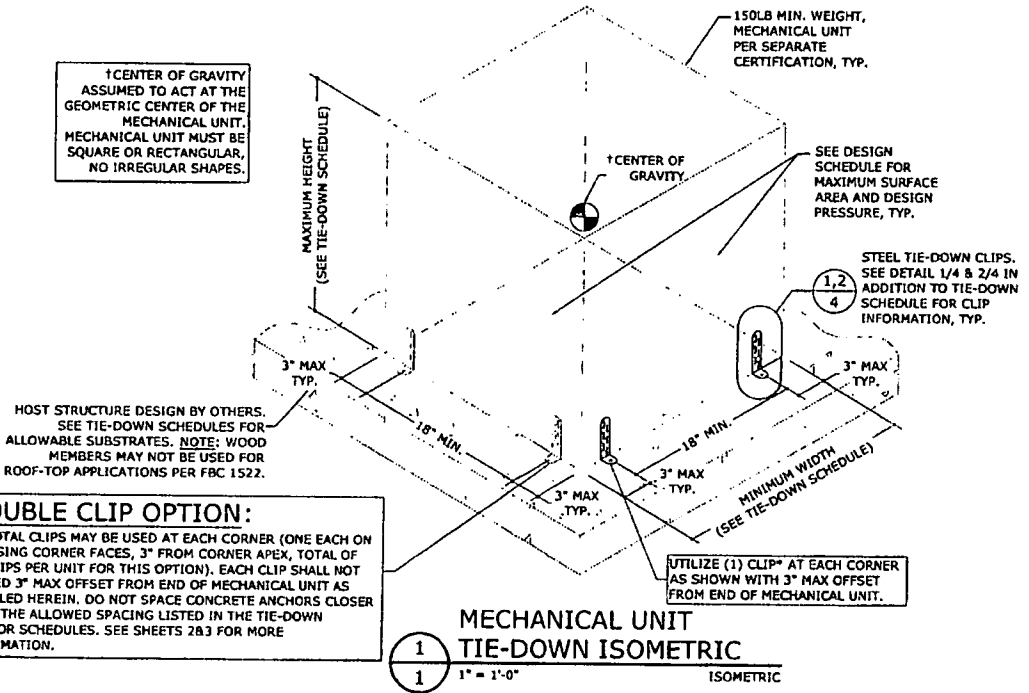
All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in this product's respective anchor schedule. Host structure conditions which are not accounted for in this product's respective anchor schedule shall be designed for on a site-specific basis by a registered professional engineer.

All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times.

This product has been designed for use within the High Velocity Hurricane Zone (HVHZ).

BMP INTERNATIONAL, INC.

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

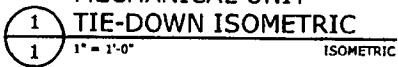


GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2010 FLORIDA BUILDING CODE, FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM.
- DESIGN IS BASED ON CLIENT PROVIDED PRODUCT AND DIE SHEETS FROM TEST REPORTS #TEL 01970387A, #TEL 01970387B BY TESTING EVALUATION LABORATORIES, INC., NO SUBSTITUTIONS WITHOUT WRITTEN APPROVAL BY THIS ENGINEER SHALL BE PERMITTED.
- ALLOWABLE DESIGN PRESSURES TO QUALIFY CAPACITY OF CLIPS AS LISTED HEREIN ARE DETERMINED THROUGH TESTING REPORT DATA AND RATIONALLY CHECKED FOR CONSISTENCY WITH EACH TEST PERFORMED.
- REQUIRED LATERAL AND/OR UPLIFT DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A SITE-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
- MAXIMUM & MINIMUM DIMENSIONS AND MINIMUM WEIGHT OF MECHANICAL UNIT SHALL CONFORM TO SPECIFICATIONS STATED HEREIN. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- FASTENERS TO BE #12 X 3/4" OR GREATER SAE GRADE 5 UNLESS NOTED OTHERWISE. TAPCONS REFERRED TO HEREIN SHALL BE ITW BUILDDEX BRAND, CARBON STEEL ONLY, INSTALLED TO 3192 KSI MIN CONCRETE. SEE ANCHOR SCHEDULE FOR ANCHOR REQUIREMENTS. ALL FASTENERS SHALL HAVE APPROPRIATE CORROSION PROTECTION TO PREVENT ELECTROLYSIS.
- ALL STEEL CLIPS SHALL BE ASTM A283 STEEL (GRADE D) WITH Fy = 33 KSI OR BETTER. ALL STEEL MEMBERS SHALL BE PROTECTED AGAINST CORROSION WITH AN APPROVED COAT OF PAINT, ENAMEL OR OTHER APPROVED PROTECTION IN ACCORDANCE WITH THE 2010 FBC SECTIONS 2203.2 AND 2220. G90-RATED COATING REQUIRED FOR ALL COASTAL INSTALLATIONS.
- ALL CONCRETE SPECIFIED HEREIN IS NOT PART OF THIS CERTIFICATION, AS A MINIMUM, ALL CONCRETE SHALL BE STRUCTURAL CONCRETE 4" MIN. THICK AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3192 PSI, UNLESS NOTED OTHERWISE.
- ALL WOOD MEMBERS SHALL BE PRESSURE TREATED SOUTHERN YELLOW PINE GRADE #2 WITH SPECIFIC GRAVITY G = 0.55 OR GREATER. DIRECT CONNECTION TO WOOD MEMBERS/SLEEPERS IS NOT PERMITTED FOR ROOF-TOP APPLICATIONS PER FBC SECTION 1522.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS, I.E. ALUMINUM PER F.B.C. 2003.8.4.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
- THE ADEQUACY OF ANY EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS SHALL BE VERIFIED BY THE ONSITE DESIGN PROFESSIONAL AND IS NOT INCLUDED IN THIS CERTIFICATION. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- WATER-TIGHTNESS OF EXISTING HOST SUBSTRATE SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR. CONTRACTOR SHALL ENSURE THAT ANY REMOVED OR ALTERED WATERPROOFING MEMBRANE IS RESTORED AFTER FABRICATION AND INSTALLATION OF STRUCTURE PROPOSED HEREIN. THIS ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY WATERPROOFING OR LEAKAGE ISSUES WHICH MAY OCCUR AS WATER-TIGHTNESS SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR.

DOUBLE CLIP OPTION:

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



*FOR CLARITY, THIS ISOMETRIC ONLY SHOWS 1" CLIPS. THE ISOMETRIC LAYOUT IS TYPICAL FOR BOTH 1" AND 2" CLIP APPLICATIONS. 2" CLIPS ARE NOT CERTIFIED FOR ANCHORAGE TO CONCRETE.

TIE-DOWN CLIP DIRECTIVE EXAMPLE

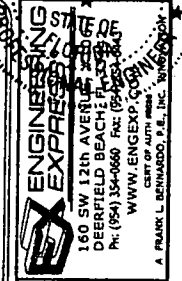
(THE FOLLOWING EXAMPLE ILLUSTRATES THE PROCEDURE USED TO DETERMINE THE MAXIMUM ALLOWABLE WIND PRESSURE FOR ANY GIVEN MECHANICAL UNIT THAT CONFORMS TO THE DIMENSION RESTRICTIONS LISTED HEREIN. SEE SHEETS 283 FOR TIE-DOWN SCHEDULES.)

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

PROCEDURE:

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

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



BMP INTERNATIONAL, INC.
4710 28TH STREET NORTH
ST. PETERSBURG, FL 33741
PH: (727) 577-1613
MECHANICAL UNIT STEEL TIE-DOWN CLIPS
FLORIDA STATEWIDE APPROVAL

REVISIONS	DATE	BY	CHKD
1	12-11-11		

11-BMP-0001
SCALE: N.T.S. 01
PAGE OF DESCRIPTION

1" STEEL CLIP TIE-DOWN SCHEDULE: AT GRADE INSTALLATIONS:

MAXIMUM SURFACE AREA OF UNITS LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	MAXIMUM ALLOWABLE LATERAL WIND PRESSURE (ANCHOR TO HOST STRUCTURE)							
			(1) CLIP AT EACH CORNER (TOTAL OF 4 CLIPS PER UNIT)				(2) CLIPS AT EACH CORNER (TOTAL OF 8 CLIPS PER UNIT)			
			TAPCON TO CONCRETE	SHEET METAL SCREW TO ALUMINUM	SHEET METAL SCREW TO STEEL	WOOD SCREW TO WOOD	TAPCON TO CONCRETE	SHEET METAL SCREW TO ALUMINUM	SHEET METAL SCREW TO STEEL	WOOD SCREW TO WOOD
4 FT*	48" MAX	24" MIN	91 PSF	81 PSF	81 PSF	91 PSF	100 PSF	100 PSF	100 PSF	100 PSF
6 FT*			81 PSF	61 PSF	61 PSF	81 PSF	100 PSF	100 PSF	100 PSF	100 PSF
8 FT*			40 PSF	40 PSF	40 PSF	40 PSF	77 PSF	77 PSF	77 PSF	77 PSF
12 FT*			30 PSF	30 PSF	30 PSF	30 PSF	58 PSF	58 PSF	58 PSF	58 PSF
16 FT*			22 PSF	22 PSF	22 PSF	22 PSF	43 PSF	43 PSF	43 PSF	43 PSF
20 FT*	60" MAX	48" MIN	26 PSF	26 PSF	26 PSF	26 PSF	49 PSF	49 PSF	49 PSF	47 PSF
25 FT*							39 PSF	39 PSF	39 PSF	37 PSF
30 FT*							33 PSF	33 PSF	33 PSF	31 PSF
36 FT*							27 PSF	27 PSF	27 PSF	26 PSF

- TIE-DOWN CLIPS SHALL BE FASTENED TO MECHANICAL HOUSING UNIT WITH (3)-#12 SAE GRADE 5 SHEET METAL SCREWS. ((5)-SHEET METAL SCREWS REQUIRED FOR LONG CLIPS, SEE DETAIL 1/4.)
- MECHANICAL HOUSING UNIT SHALL CONFORM TO THE FOLLOWING:
 - ALUMINUM HOUSING UNITS SHALL BE 6063-T6 MIN. ALUMINUM SHEET WITH $F_y=30$ KSI, 0.125" MIN. THICKNESS.
 - STEEL HOUSING UNITS SHALL BE 33KSI MIN. STEEL, GRADE 33, 22GA MIN. ($t=0.0299"$).
- MAXIMUM ALLOWABLE WIND PRESSURES FOR EACH INDIVIDUAL SUBSTRATE MAY BE EQUIVALENT DUE TO THE LIMITING CAPACITY OF THE 1" CLIP.
- A MAXIMUM ALLOWABLE VALUE OF 100 PSF HAS BEEN UTILIZED; FOR HIGHER DEMAND CAPACITIES CONTACT THIS ENGINEER FOR SITE-SPECIFIC ENGINEERING.

ANCHOR SCHEDULE:

SUBSTRATE	ANCHOR
CONCRETE: (4" THICK MIN, 3192KSI MIN.)	(1)- $\frac{1}{2}$ "Ø CARBON STEEL ITW BUILDEX TAPCON, $1\frac{1}{2}$ " FULL EMBED TO CONCRETE, $2\frac{1}{2}$ " MIN. EDGE DISTANCE, 3" MIN. SPACING TO ANY ADJACENT ANCHOR.
ALUMINUM: (0.125" MIN. THICK, 6061-T6 MIN. ALUMINUM)	(1)-#14 SAE GRADE 5 SHEET METAL SCREW TO ALUMINUM, PROVIDE (5) PINCHES MIN. PAST THREAD PLANE FOR SHEET METAL SCREW.
STEEL: (0.125" MIN. THICK, 33 KSI MIN. STEEL)	(1)-#14 SAE GRADE 5 SHEET METAL SCREW TO STEEL, PROVIDE (5) PINCHES MIN. PAST THREAD PLANE FOR SHEET METAL SCREW.
SEALED WOOD: (SOUTHERN YELLOW PINE, G=0.55 OR BETTER)	(1)-#14 SAE GRADE 5 WOOD SCREW TO WOOD MEMBER, PROVIDE $1\frac{1}{2}$ " MIN. THREAD PENETRATION, 1" MIN. EDGE DISTANCE, 1" MIN. END DISTANCE.

ANCHOR SCHEDULE NOTES:

- EMBEDMENT AND EDGE DISTANCE EXCLUDES FINISHES, IF APPLICABLE.
- ENSURE MINIMUM EDGE DISTANCE AS NOTED IN ANCHOR SCHEDULE.

TABLE LEGEND:

- - DENOTES EXAMPLE VALUE FOR USE WITH COVER PAGE DIRECTIVE
- ▨ - DENOTES VALUES NOT APPROVED FOR USE

2" STEEL CLIP TIE-DOWN SCHEDULE: AT GRADE INSTALLATIONS:

MAXIMUM SURFACE AREA OF UNITS LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	MAXIMUM ALLOWABLE LATERAL WIND PRESSURE (ANCHOR TO HOST STRUCTURE)					
			(1) CLIP AT EACH CORNER (TOTAL OF 4 CLIPS PER UNIT)			(2) CLIPS AT EACH CORNER (TOTAL OF 8 CLIPS PER UNIT)		
			SHEET METAL SCREW TO ALUMINUM	SHEET METAL SCREW TO STEEL	WOOD SCREW TO WOOD	SHEET METAL SCREW TO ALUMINUM	SHEET METAL SCREW TO STEEL	WOOD SCREW TO WOOD
4 FT*	48" MAX	24" MIN	100 PSF	100 PSF	100 PSF	100 PSF	100 PSF	100 PSF
6 FT*			100 PSF	100 PSF	100 PSF	100 PSF	100 PSF	100 PSF
8 FT*			67 PSF	67 PSF	67 PSF	100 PSF	100 PSF	100 PSF
12 FT*			50 PSF	50 PSF	50 PSF	99 PSF	99 PSF	99 PSF
16 FT*			38 PSF	38 PSF	38 PSF	74 PSF	74 PSF	74 PSF
20 FT*	60" MAX	48" MIN	41 PSF	41 PSF	41 PSF	80 PSF	80 PSF	80 PSF
25 FT*			33 PSF	33 PSF	33 PSF	64 PSF	64 PSF	64 PSF
30 FT*			27 PSF	27 PSF	27 PSF	53 PSF	53 PSF	53 PSF
36 FT*						44 PSF	44 PSF	44 PSF

- TIE-DOWN CLIPS SHALL BE FASTENED TO MECHANICAL HOUSING UNIT WITH (3)-#12 SAE GRADE 5 SHEET METAL SCREWS.
- MECHANICAL HOUSING UNIT SHALL CONFORM TO THE FOLLOWING:
 - ALUMINUM HOUSING UNITS SHALL BE 6063-T6 MIN. ALUMINUM SHEET WITH $F_y=30$ KSI, 0.125" MIN. THICKNESS.
 - STEEL HOUSING UNITS SHALL BE 33KSI MIN. STEEL, GRADE 33, 22GA MIN. ($t=0.0299"$).
- A MAXIMUM ALLOWABLE VALUE OF 100 PSF HAS BEEN UTILIZED; FOR HIGHER DEMAND CAPACITIES CONTACT THIS ENGINEER FOR SITE-SPECIFIC ENGINEERING.

ANCHOR SCHEDULE:

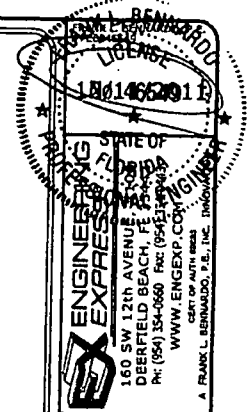
SUBSTRATE	ANCHOR
ALUMINUM: (0.125" MIN. THICK, 6061-T6 MIN. ALUMINUM)	(2)-#14 SAE GRADE 5 SHEET METAL SCREW TO ALUMINUM, PROVIDE (5) PINCHES MIN. PAST THREAD PLANE FOR SHEET METAL SCREW.
STEEL: (0.125" MIN. THICK, 33 KSI MIN. STEEL)	(2)-#14 SAE GRADE 5 SHEET METAL SCREW TO STEEL, PROVIDE (5) PINCHES MIN. PAST THREAD PLANE FOR SHEET METAL SCREW.
SEALED WOOD, 1-1/2" MIN THICKNESS: (SOUTHERN YELLOW PINE, G=0.55 OR BETTER)	(2)-#14 SAE GRADE 5 WOOD SCREW TO WOOD MEMBER, PROVIDE $1\frac{1}{2}$ " MIN. THREAD PENETRATION, 1" MIN. EDGE DISTANCE, 1" MIN. END DISTANCE.

ANCHOR SCHEDULE NOTES:

- EMBEDMENT AND EDGE DISTANCE EXCLUDES FINISHES, IF APPLICABLE.
- ENSURE MINIMUM EDGE DISTANCE AS NOTED IN ANCHOR SCHEDULE.

TABLE LEGEND:

- ▨ - DENOTES VALUES NOT APPROVED FOR USE



BMP INTERNATIONAL, INC.
 4710 28TH STREET NORTH
 ST. PETERSBURG, FL 33471
 PH: (727) 577-1613
 MECHANICAL UNIT STEEL TIE-DOWN CLIPS
 FLORIDA STATEWIDE APPROVAL

REVISED	DATE

COPYRIGHT FRANK L. BERNARDO P.E.
11-BMP-0001
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 PAGE DESCRIPTION:

1" STEEL CLIP TIE-DOWN SCHEDULE: ROOF-TOP MOUNTED INSTALLATIONS:

MAXIMUM SURFACE AREA OF UNITS LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	MAXIMUM ALLOWABLE LATERAL WIND PRESSURE (ANCHOR TO HOST STRUCTURE)					
			(1) CLIP AT EACH CORNER (TOTAL OF 4 CLIPS PER UNIT)			(2) CLIPS AT EACH CORNER (TOTAL OF 8 CLIPS PER UNIT)		
			TAPCON TO CONCRETE	SHEET METAL SCREW TO ALUMINUM	SHEET METAL SCREW TO STEEL	TAPCON TO CONCRETE	SHEET METAL SCREW TO ALUMINUM	SHEET METAL SCREW TO STEEL
4 FT*	48" MAX	24" MIN	82 PSF	82 PSF	82 PSF	100 PSF	100 PSF	100 PSF
8 FT*			41 PSF	41 PSF	41 PSF	77 PSF	77 PSF	77 PSF
9 FT*			27 PSF	27 PSF	27 PSF	51 PSF	51 PSF	51 PSF
12 FT*						38 PSF	38 PSF	38 PSF
18 FT*	60" MAX	48" MIN				29 PSF	29 PSF	29 PSF
20 FT*						33 PSF	33 PSF	33 PSF
25 FT*						28 PSF	28 PSF	28 PSF
30 FT*								
38 FT*								

NOTE: ROOFTOP INSTALLATIONS SHALL CONFORM TO FLORIDA BUILDING CODE SECTION 1509 (AND 1522 FOR HVAC) WHICH REQUIRES THAT ROOF MOUNTED MECHANICAL UNITS BE MOUNTED ON CURBS RAISED A MINIMUM OF 8 INCHES ABOVE THE ROOF SURFACE, OR WHERE ROOFING MATERIALS EXTEND BENEATH THE UNIT, ON RAISED EQUIPMENT SUPPORTS PROVIDING A MINIMUM CLEARANCE HEIGHT IN ACCORDANCE WITH SECTION 1509 AND/OR 1522 OF THE BUILDING CODE TO PERMIT REPAIRS, REPLACEMENT, AND/OR MAINTENANCE OF THE ROOFING SYSTEM, ANY CURB OR SUPPORT UTILIZED WITH THIS DESIGN SHALL HAVE SEPARATE DOCUMENTATION VERIFYING INTEGRITY AND IS OUTSIDE THE SCOPE OF THIS CERTIFICATION.

- TIE-DOWN CLIPS SHALL BE FASTENED TO MECHANICAL HOUSING UNIT WITH (3)-#12 SAE GRADE 5 SHEET METAL SCREWS. ((5)-SHEET METAL SCREWS REQUIRED FOR LONG CLIPS, SEE DETAIL 1/4.)
- MECHANICAL HOUSING UNIT SHALL CONFORM TO THE FOLLOWING:
 - ALUMINUM HOUSING UNITS SHALL BE 6063-T6 MIN. ALUMINUM SHEET WITH F_{ty}=30 KSI, 0.125" MIN. THICKNESS.
 - STEEL HOUSING UNITS SHALL BE 33KSI MIN. STEEL, GRADE 33, 22GA MIN. (t=0.0299").
- MAXIMUM ALLOWABLE WIND PRESSURES FOR EACH INDIVIDUAL SUBSTRATE MAY BE EQUIVALENT DUE TO THE LIMITING CAPACITY OF THE 1" CLIP. A MAXIMUM ALLOWABLE VALUE OF 100 PSF HAS BEEN UTILIZED; FOR HIGHER DEMAND CAPACITIES CONTACT THIS ENGINEER FOR SITE-SPECIFIC ENGINEERING.

ADDITIONAL ALLOWABLE UPLIFT: 90 LBS/CLIP

(DESIGN TABLE ACCOMMODATES MAX 90LB/CLIP AS ADDITIONAL UPLIFT IN COMBINATION WITH UPLIFT CAUSED BY OVERTURNING FROM LATERAL FORCES. SEE ASCE 7-10 SECTION 29.5 FOR MORE INFORMATION.)

ALLOWABLE UPLIFT PER UNIT IS BASED ON THE NUMBER OF CLIPS UTILIZED x 90LB/CLIP
 EXAMPLE: 4 CLIPS x 90 LB/CLIP = 360LB
 (REQUIRED UPLIFT DEMAND SHALL BE DETERMINED ON A SITE SPECIFIC BASIS BY LICENSED ENGINEER OR REGISTERED ARCHITECT; NOT INCLUDED IN THIS CERTIFICATION)

TABLE LEGEND:
 -DENOTES VALUES NOT APPROVED FOR USE

ANCHOR SCHEDULE:

SUBSTRATE	ANCHOR
CONCRETE: (4" THICK MIN, 3192KSI MIN.)	(1)-3/8" CARBON STEEL ITW BUILDEX TAPCON, 1 3/8" FULL EMBED TO CONCRETE, 2 1/2" MIN. EDGE DISTANCE, 3" MIN. SPACING TO ANY ADJACENT ANCHOR.
ALUMINUM: (0.125" MIN. THICK, 6061-T6 MIN. ALUMINUM)	(1)-#14 SAE GRADE 5 SHEET METAL SCREW TO ALUMINUM, PROVIDE (5) PINCHES MIN. PAST THREAD PLANE FOR SHEET METAL SCREW.
STEEL: (0.125" MIN. THICK, 33 KSI MIN. STEEL)	(1)-#14 SAE GRADE 5 SHEET METAL SCREW TO STEEL, PROVIDE (5) PINCHES MIN. PAST THREAD PLANE FOR SHEET METAL SCREW.

- EMBEDMENT AND EDGE DISTANCE EXCLUDES FINISHES, IF APPLICABLE.
- ENSURE MINIMUM EDGE DISTANCE AS NOTED IN ANCHOR SCHEDULE.

2" STEEL CLIP TIE-DOWN SCHEDULE: ROOF-TOP MOUNTED INSTALLATIONS:

MAXIMUM SURFACE AREA OF UNITS LARGEST FACE	UNIT HEIGHT	UNIT WIDTH	MAXIMUM ALLOWABLE LATERAL WIND PRESSURE (ANCHOR TO HOST STRUCTURE)			
			(1) CLIP AT EACH CORNER (TOTAL OF 4 CLIPS PER UNIT)		(2) CLIPS AT EACH CORNER (TOTAL OF 8 CLIPS PER UNIT)	
			SHEET METAL SCREW TO ALUMINUM	SHEET METAL SCREW TO STEEL	SHEET METAL SCREW TO ALUMINUM	SHEET METAL SCREW TO STEEL
4 FT*	48" MAX	24" MIN	100 PSF	100 PSF	100 PSF	100 PSF
8 FT*			84 PSF	84 PSF	100 PSF	100 PSF
9 FT*			56 PSF	56 PSF	100 PSF	100 PSF
12 FT*			42 PSF	42 PSF	82 PSF	82 PSF
18 FT*	60" MAX	48" MIN	31 PSF	31 PSF	61 PSF	61 PSF
20 FT*			34 PSF	34 PSF	67 PSF	67 PSF
25 FT*			27 PSF	27 PSF	53 PSF	53 PSF
30 FT*					44 PSF	44 PSF
38 FT*					37 PSF	37 PSF

NOTE: ROOFTOP INSTALLATIONS SHALL CONFORM TO FLORIDA BUILDING CODE SECTION 1509 (AND 1522 FOR HVAC) WHICH REQUIRES THAT ROOF MOUNTED MECHANICAL UNITS BE MOUNTED ON CURBS RAISED A MINIMUM OF 8 INCHES ABOVE THE ROOF SURFACE, OR WHERE ROOFING MATERIALS EXTEND BENEATH THE UNIT, ON RAISED EQUIPMENT SUPPORTS PROVIDING A MINIMUM CLEARANCE HEIGHT IN ACCORDANCE WITH SECTION 1509 AND/OR 1522 OF THE BUILDING CODE TO PERMIT REPAIRS, REPLACEMENT, AND/OR MAINTENANCE OF THE ROOFING SYSTEM, ANY CURB OR SUPPORT UTILIZED WITH THIS DESIGN SHALL HAVE SEPARATE DOCUMENTATION VERIFYING INTEGRITY AND IS OUTSIDE THE SCOPE OF THIS CERTIFICATION.

- TIE-DOWN CLIPS SHALL BE FASTENED TO MECHANICAL HOUSING UNIT WITH (3)-#12 SAE GRADE 5 SHEET METAL SCREWS.
- MECHANICAL HOUSING UNIT SHALL CONFORM TO THE FOLLOWING:
 - ALUMINUM HOUSING UNITS SHALL BE 6063-T6 MIN. ALUMINUM SHEET WITH F_{ty}=30 KSI, 0.125" MIN. THICKNESS.
 - STEEL HOUSING UNITS SHALL BE 33KSI MIN. STEEL, GRADE 33, 22GA MIN. (t=0.0299").
- A MAXIMUM ALLOWABLE VALUE OF 100 PSF HAS BEEN UTILIZED; FOR HIGHER DEMAND CAPACITIES CONTACT THIS ENGINEER FOR SITE-SPECIFIC ENGINEERING.

ADDITIONAL ALLOWABLE UPLIFT: 90 LBS/CLIP

(DESIGN TABLE ACCOMMODATES MAX 90LB/CLIP AS ADDITIONAL UPLIFT IN COMBINATION WITH UPLIFT CAUSED BY OVERTURNING FROM LATERAL FORCES. SEE ASCE 7-10 SECTION 29.5 FOR MORE INFORMATION.)

ALLOWABLE UPLIFT PER UNIT IS BASED ON THE NUMBER OF CLIPS UTILIZED x 90LB/CLIP
 EXAMPLE: 4 CLIPS x 90 LB/CLIP = 360LB
 (REQUIRED UPLIFT DEMAND SHALL BE DETERMINED ON A SITE SPECIFIC BASIS BY LICENSED ENGINEER OR REGISTERED ARCHITECT; NOT INCLUDED IN THIS CERTIFICATION)

TABLE LEGEND:
 -DENOTES VALUES NOT APPROVED FOR USE

ANCHOR SCHEDULE:

SUBSTRATE	ANCHOR
ALUMINUM: (0.125" MIN. THICK, 6061-T6 MIN. ALUMINUM)	(2)-#14 SAE GRADE 5 SHEET METAL SCREW TO ALUMINUM, PROVIDE (5) PINCHES MIN. PAST THREAD PLANE FOR SHEET METAL SCREW.
STEEL: (0.125" MIN. THICK, 33 KSI MIN. STEEL)	(2)-#14 SAE GRADE 5 SHEET METAL SCREW TO STEEL, PROVIDE (5) PINCHES MIN. PAST THREAD PLANE FOR SHEET METAL SCREW.

- EMBEDMENT AND EDGE DISTANCE EXCLUDES FINISHES, IF APPLICABLE.
- ENSURE MINIMUM EDGE DISTANCE AS NOTED IN ANCHOR SCHEDULE.

FRANK L. BERNARDO, P.E.
REGISTERED PROFESSIONAL ENGINEER
 No. 40649
 STATE OF FLORIDA
 PROFESSIONAL ENGINEERING
 160 SW 12th Avenue, Suite 200
 Deerfield Beach, FL 33441
 PH: (954) 354-0660 FAX: (954) 354-0661
 WWW.ENGLXP.COM
 CHARTER OF AUTHORITY
 A. FRANK L. BERNARDO, P.E., INC. UNIVERSITY

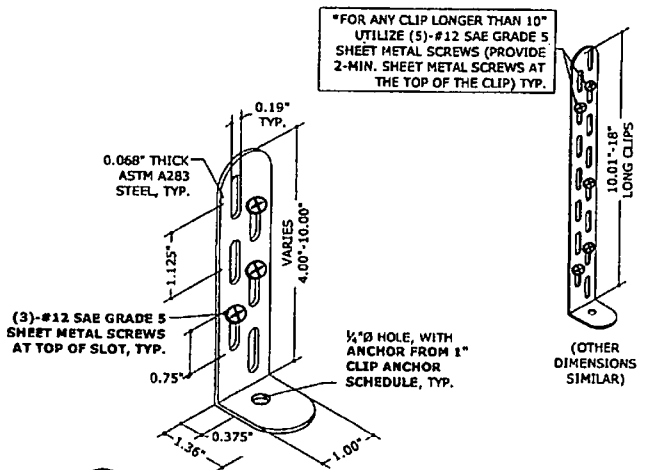
BMP INTERNATIONAL, INC.
 4710 28TH STREET NORTH
 ST. PETERSBURG, FL 33741
 PH: (727) 577-1613
 MECHANICAL UNIT STEEL TIE-DOWN CLIPS
 FLORIDA STATEWIDE APPROVAL

DATE	BY	REVISIONS
12-11-11	FLB	

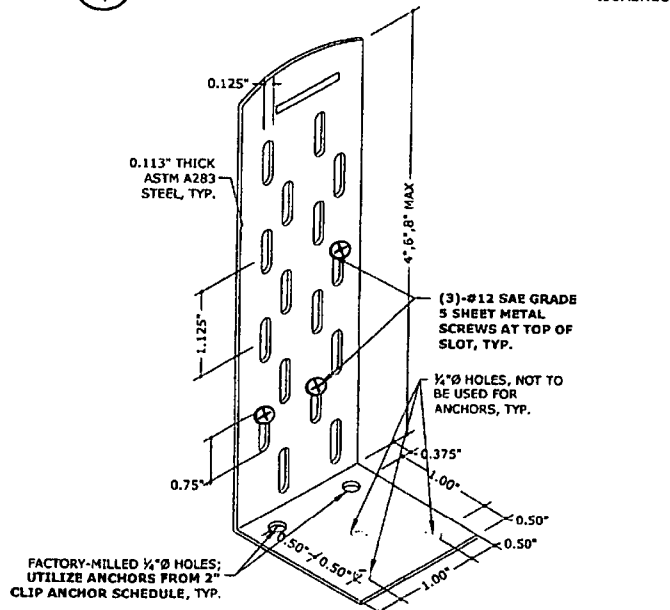
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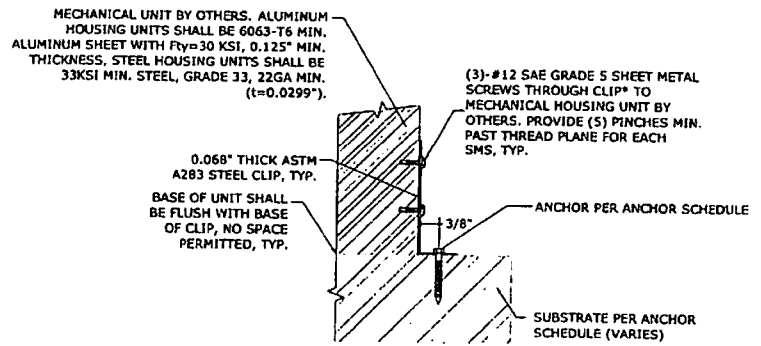
C:\Users\j\Documents\Projects\BMP\11-BMP-0001.dgn The Down Clip (P&I).dwg 12/11/2011 4:43pm 3/10/2011



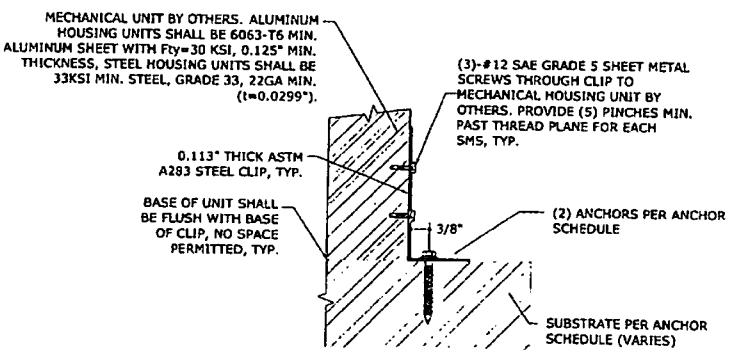
1 1" CLIP ISOMETRIC DETAIL
4 N.T.S. ISOMETRIC



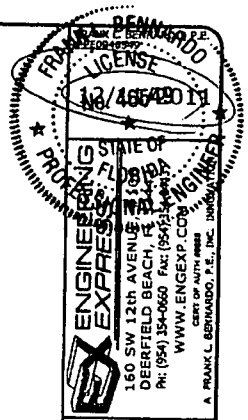
2 2" CLIP ISOMETRIC DETAIL
4 N.T.S. ISOMETRIC



3 1" TIE-DOWN CLIP ANCHOR DETAIL
4 3" = 1'-0" DETAIL
CLIP IS DESIGNED FOR FULL CONTACT WITH THE BASE OF EACH MECHANICAL UNIT, TYP.



4 2" TIE-DOWN CLIP ANCHOR DETAIL
4 3" = 1'-0" DETAIL
CLIP IS DESIGNED FOR FULL CONTACT WITH THE BASE OF EACH MECHANICAL UNIT, TYP.



BMP INTERNATIONAL, INC.
4710 28TH STREET NORTH
ST. PETERSBURG, FL 33741
PH: (727) 577-1613
MECHANICAL UNIT STEEL TIE-DOWN CLIPS
FLORIDA STATEWIDE APPROVAL

REV	DATE	DESCRIPTION
1	12-11-11	ISSUE FOR CONSTRUCTION
2		
3		
4		

REMARKS:
1. ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES.
2. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE SPECIFIED.
4. ALL DIMENSIONS SHALL BE TO SURFACE UNLESS OTHERWISE SPECIFIED.

11-BMP-0001
SCALE: N.T.S.
PAGE DESCRIPTION: 01

12/17/2011 11:44:38am
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 (DWT) 11-BMP-0001.dwg
 Title: Tie-Down Clip (PBA) Job

TOWN OF SEWALL'S POINT

Building Department – Inspection Log

Date of Inspection Mon Tue Wed Thur Fri 12/8/14 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11062	Birdsall	Fence		
	49 N River Rd	Final	Pass	close
	Stuart Fence			INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11024	Morris	Gas		
	120 Hillcrest Drive	Final	Pass	close
	Elite Gas			INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11086	Holly	Final		
Pm Requested	41 S River Rd	Mechanical	Pass	close
	All Star Air			INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
10882	Carelli	Final		
Pm Requested	4 Middle Rd	Mechanical	Pass	close
	Jensen Beach A/c			INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
11059	Cavalcanti	Final		
Pm Requested	11 S. Via Lucindia	Door + Window	Pass	close
	Vero Glass	Ken (772) 538-7779		INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSEPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

TOWN OF SEWALL'S POINT, FLORIDA

Date 5-3-07 19 _____ TREE REMOVAL PERMIT No 0603

APPLIED FOR BY Holly (Contractor or Owner)

Owner [Signature]

Sub-division _____, Lot _____, Block _____

Kind of Trees _____

No. Of Trees: REMOVE 3

No. Of Trees: RELOCATE 1 WITHIN 30 DAYS (NO FEE)

No. Of Trees: REPLACE _____ WITHIN 30 DAYS

REMARKS _____

_____ FEE \$ 0

Signed, _____ Applicant

Signed, Phil Wintercom Bldg Inspector
~~Town Clerk~~

TOWN OF SEWALL'S POINT

Call 287-2455 - 8:00 A.M. - 12:00 Noon for inspection
WORK HOURS 8:00 A.M. - 5:00 P.M. - NO SUNDAY WORK

TREE REMOVAL PERMIT

RE: ORDINANCE 103

[Large empty rectangular box for drawing or site plan]

PROJECT DESCRIPTION _____

[Horizontal lines for project description]

REMARKS _____

[Horizontal lines for remarks]

Permit Fee:

1. Tree permits are \$15.00, payable in advance.
2. No permit fee needed for tree which is dead, diseased, injured, hazardous to life or property, or a prohibited species. Prohibitive species include Earleaf Acacia, Woman's Tongue, Norfolk Island Pine, Bischofia, Schefflera, Ear Tree, Eucalyptus, Non-Native Ficus, Silk Oak, Chinese Tallow Tree, Java Plum, Chinaberry, Brazilian Peppers, Australian Pine, and Melaleuca and must be removed before construction begins on new single family residence (S.F.R.).

No removal permits will be issued for native species trees: Black Ironwood, Black Mangrove, Blolly, Buttonwood, Cabbage Palm, Cocoplum (red tip and green tip), Coral Bean, Deer Moss, Gray Twig, Gopher Apple, Gumbo Limbo, Inkwood, Laurel Oak, Leather Fern, Live Oak, Mahogany, Marlberry, Mastic, Mulberry, Myrtle Oak, Paradise Tree, Pigeon Plum, Pond Apple, Prickly Pear, Red Mangrove, Red Maple, Red bay, Saffron Plum, Sand Pine, Scrub Pine, Satinleaf, Saw Palmetto, Scrub Hickory, Sea Grape, Sea Oxeye, Slash Pine, Stoppers, Wild Lime, Sumac (southern), Sugar Berry (Hackberry), Torchwood, Wild Coffee, Varnish Leaf, Water Oak, Wax Myrtle, West Indian Cherry White Mangrove

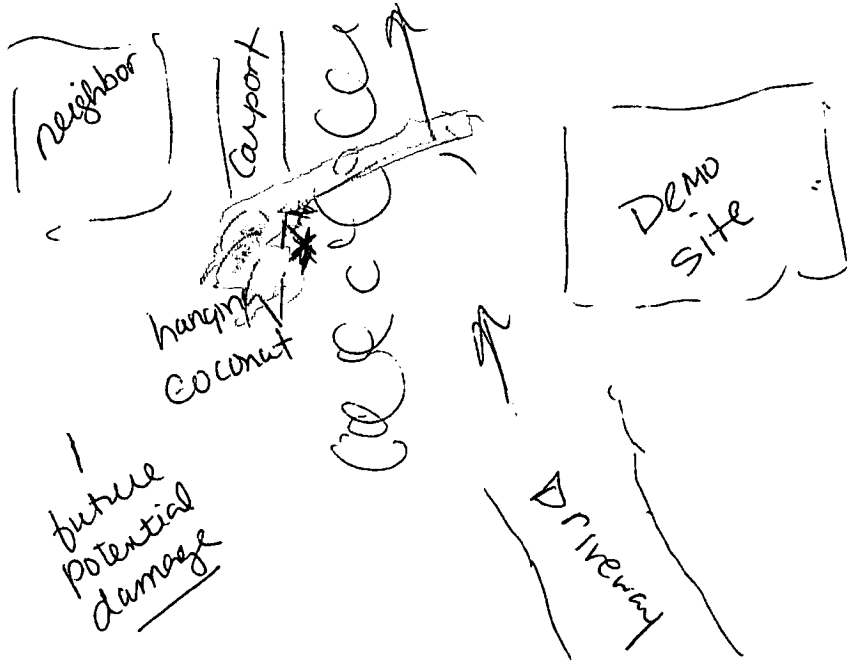
Application procedures:

1. Fill out application information below to include:
 - a. applicant information
 - b. written statement giving reasons for removal, relocation, or replacement if necessary
 - c. for a new single family resident see above.
2. Place identification tape or ribbon on each tree for clarity to inspector if necessary.
3. Inspector will visit site and review application and pass, fail or revise.
4. Permit must be picked up and on site prior to work proceeding.
5. Permits expire if work does not begin within 3 months and if activity is interrupted over 45 days.

Owner Sharon K. Holly Address 41 South Ruess Rd ^{Sewalls} ~~Pound~~ Phone Kathy
Contractor All Clear Tractor Service Address 5755 SW Savage St PC Phone 772-263-6001/2
Kathleen Hae, cert amount FI#10607A
No. of Trees: REMOVE 1/1 Type: coconut palm, cabbage (dead)
No. of Trees: RELOCATE 1 WITHIN 30 DAYS Type: Hard Palm
No. of Trees: REPLACE _____ WITHIN 30 DAYS Type: _____
Written statement giving reasons: Due to demolition construction, coconut stressed + damage from hurricane - potential hurricane custom hazard property damage
dead cabbage
Signature of Property Owner Sharon K. Holly Date May 2, 07

Approved by Building Inspector: [Signature] Date 5/3 Fee: 0
Plans approved as submitted _____ Plans approved as revised/marked: _____

* dead unknown
tree species
* dead Cabbage
palm no head



Neighbor

Carport

hanging
Coconut

future
potential
damage

Driveway

Demo
site

Existing
House

TOWN OF SEWALL'S POINT

APPLICATION FOR TREE REMOVAL, RELOCATION, REPLACEMENT

Permit # **408**
Date Issued **5-5-88**

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 ERIC B. HOLLY Address P.O. BOX 1500 Phone 288-4880
10 CENTRAL PARKWAY
Contractor THE SEAWIND GROUP, INC. Address SUITE 312 Phone 288-1770

Number of trees to be removed (list kinds of trees) # = 12 , SABAL PALM , CHINABERRY,
SURINAM CHERRY AND GUMBO LIMBO.

Number of trees to be relocated within 30 days (no fee) (list kinds of trees) -0-

Number of trees to be replaced within 30 days (list kinds of trees) -0-

Permit Fee: \$ 16.00 (\$5. for first tree plus \$1. for each additional tree - not to exceed \$25.)

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

Plans approved as submitted _____ Plans approved as marked _____

Permit good for one year. Fee for renewal of expired permit \$5.

Signature of applicant *Eric B. Holly* Date submitted APRIL 29, 1988

Approved by Building Inspector _____ Date _____

Approved by Building Commissioner *Alan de la Torre* Date 5/11/88

Completed _____
Date _____ Checked by _____

THE FOLLOWING TREES MAY BE REMOVED OR DESTROYED WITHOUT OBTAINING A PERMIT: BRAZILIAN PEPPER, FLORIDA HOLLY TREE, AUSTRALIAN PINE AND STRANGLER FIG. FOR THE PURPOSES 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.

408

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 ERIC B. HOLLY Address P.O. BOX 1500 Phone 288-4880
10 CENTRAL PARKWAY

Contractor THE SEAWIND GROUP; INC. Address SUITE 312 Phone 288-1770

Number of trees to be removed (list kinds of trees) # = 12 , SABAL PALM , CHINABERRY,
SURINAM CHERRY AND GUMBO LIMBO.

Number of trees to be relocated within 30 days (no fee) (list kinds of trees) -0-

Number of trees to be replaced within 30 days (list kinds of trees) -0-

Permit Fee: \$ _____ (\$5. for first tree plus \$1. for each additional tree - not to exceed \$25.)

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

Plans approved as submitted _____ Plans approved as marked _____

Permit good for one year. Fee for renewal of expired permit \$5.

Signature of applicant *Eric B. Holly* Date submitted APRIL 29, 1988

Approved by Building Inspector _____ Date _____

Approved by Building Commissioner _____ Date _____

Completed _____
Date _____ Checked by _____

THE FOLLOWING TREES MAY BE REMOVED OR DESTROYED WITHOUT OBTAINING A PERMIT: BRAZILIAN PEPPER, FLORIDA HOLLY TREE, AUSTRALIAN PINE AND STRANGLER FIG. FOR THE PURPOSES 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.

TOWN OF SEWALL'S POINT

APPLICATION FOR TREE REMOVAL, RELOCATION, REPLACEMENT

590

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 Holly Address 41 S River Rd Phone _____

Contractor Asplundh Tree Export Co Address Wilton Grove, Pa Phone 407/285-2610

Number of trees to be removed(list kinds of trees) _____

7 Tongue.oil Trees mark w/orange Plugging
Number of trees to be relocated within 30 days(no fee)(list kinds of trees):

N/A

Number of trees to be replaced within 30 days(list kinds of trees):

N/A

Permit Fee \$ _____ (25.00 for first tree plus 10.00 for each additional tree - not 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] (FPL) Date submitted 7-6-94

Approved by Building Inspector [Signature] Date 7-6-94

Approved by Building Commissioner _____ Date _____

Completed _____ Date _____ Checked by _____

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

The listed trees are an electrical hazard.

STRUCTURE NO. 130
INLET TYPE C (MOD)
GRATE EL. = 28.01
N INV. EL. = 20.76
E INV. EL. = 20.76
W INV. EL. = 20.76
CONST. DATE: 7/86

STRUCTURE NO. 145
INLET TYPE C
GRATE EL. = 22.51
S INV. EL. = 17.58
CONST. DATE: 7/86

STRUCTURE NO. 134
INLET TYPE C (MOD)
GRATE EL. = 22.95
N INV. EL. = 17.47
S INV. EL. = 17.74
E INV. EL. = 17.50
W INV. EL. = 17.52
CONST. DATE: 7/88

STRUCTURE NO. 135
INLET TYPE C
GRATE EL. = 19.77
E INV. EL. = 14.51
W INV. EL. = 14.51
CONST. DATE: 7/86

STRUCTURE NO. 133
INLET TYPE C (MOD)
GRATE EL. = 25.58
N INV. EL. = 19.41
E INV. EL. = 18.01
W INV. EL. = 18.00
CONST. DATE: 7/86

STRUCTURE NO. 146
INLET TYPE C
GRATE EL. = 21.85
N INV. EL. = 17.92
CONST. DATE: 7/86

STRUCTURE NO. 132
INLET TYPE P
GRATE EL. = 27.68
N INV. EL. = 17.84
E INV. EL. = 18.05
W INV. EL. = 18.05
CONST. DATE: 7/86

STRUCTURE NO. 131
INLET TYPE C
GRATE EL. = 22.43
N INV. EL. = 18.26
W INV. EL. = 18.26
CONST. DATE: 7/86

STRUCTURE NO. 207
VALLEY GUTTER INLET
GRATE EL. = 21.4
S INV. EL. = 17
CONST. DATE: 1

STRUCTURE NO. 154
RETENTION
GRATE EL. =
BOTTOM EL. =
N INV. EL. =
E INV. EL. =
W INV. EL. =
CONST. DATE: 7/88

STRUCTURE NO. 205
VALLEY GUTTER INLET
GRATE EL. = 21.45
N INV. EL. = 17.11
W INV. EL. = 17.11
CONST. DATE: 1/89

STRUCTURE NO. 206
VALLEY GUTTER INLET
GRATE EL. =
N INV. EL. =
W INV. EL. =
CONST. DATE: =

