

8 Via Lucindia Dr South



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



TREE CITY USA

Since 1990,
 Sewall's Point
 has proudly been
 designated a
 "Tree City USA"

TREE REMOVAL, RELOCATION, REPLACEMENT PERMIT

WORK PERMITTED FROM 8:00 AM TO 5:00 PM - NO SUNDAYS

Owner PHILIP BRAUNE Address 8 VIA LUCINDIA S, Phone 772-463-4482
 Contractor Jimmy Nettle's Tree Service Address _____ Phone 772-201-2035 Cell _____
 No. of Trees REMOVE 1 Species: Schefflera Caliper @ 4' above soil _____ (inches) Height 11 (ft.)
 No. of Trees RELOCATE _____ Species: _____ Caliper @ 4' above soil _____ (inches) Height _____ (ft.)
 No. of Trees REPLACE _____ Species: _____ Caliper @ 4' above soil _____ (inches) Height _____ (ft.)

REPLACED OR RELOCATED TREES MUST BE INSPECTED WITHIN 30 DAYS OF PERMIT ISSUANCE

ALL PROHIBITED SPECIES AND VEGETATIVE WASTE MUST BE REMOVED FROM PROPERTY

Reason for tree removal /relocation DEAD

Signature of Property Owner Philip J Braune Date 4/17/15

This space for Official Use only:
 Approved by Building Official: A Date 4-20-15 Fee: N/E
 BUILDING INSPECTOR NOTES: _____

Minimum Tree Requirements Met On Property Prohibited Species Identified for Removal

SKETCH (Show location of tree(s) to be removed/relocated; dimensions of lot; location of structures):

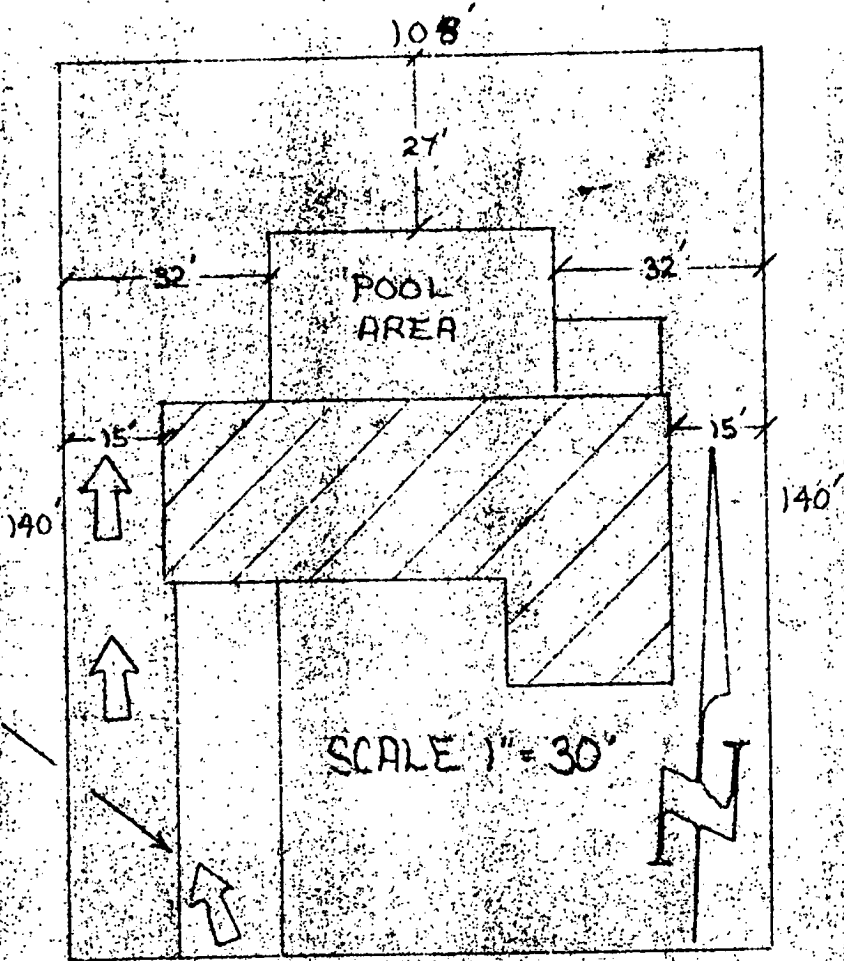
DEAD SCHEFFLERA
 MARKED WITH
 YELLOW TAPE

NE

POOL ENCLOSURE
 REAR OF HOUSE

House

PRINTS



SCALE 1" = 30'

108'
* 8 SOUTH VIA LUCINDIA

POOL SPEC

- MAX. WIDTH 15'
- MIN. DEPTH 3'
- SHAPE ROMAN
- DIRT FROM EXCAVATION _____
- TILE IP-662 CRYSTAL & COBALT
- FILTER DE EC-6
- MOTOR H.P. 1hp
- LIGHT ONE 300W
- MAIN DRAIN 2"
- INLETS 4
- LADDER NO
- DIVE BO. NO
- HEATER NO
- VAC. HEAD YES
- VAC. POLE YES
- LEAF SKIMMER YES
- CHLORINATOR AUTOMA
- OVERFLOW LINE NO
- TREE REMOVAL NO
- BACK WASH LINE 4
- SCREEN ENCLOSURE C
- ELECTRICAL HOOKUP C
- PATIO 682# COI
- DECK-O-DRAIN _____
- APPROX. GALLONS _____
- PUMP G.P.M. _____
- APPROX. TURNOVER TIM _____

_____ "COM

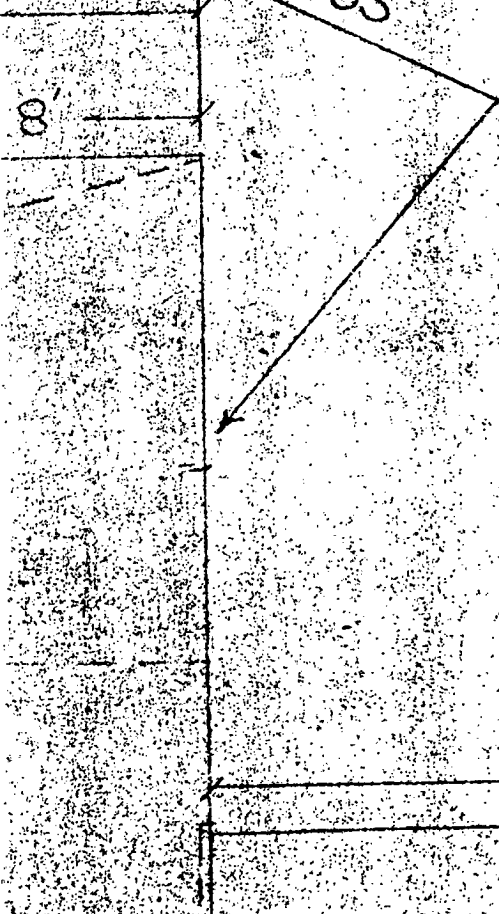
OWNER WILL
- SPRINKL

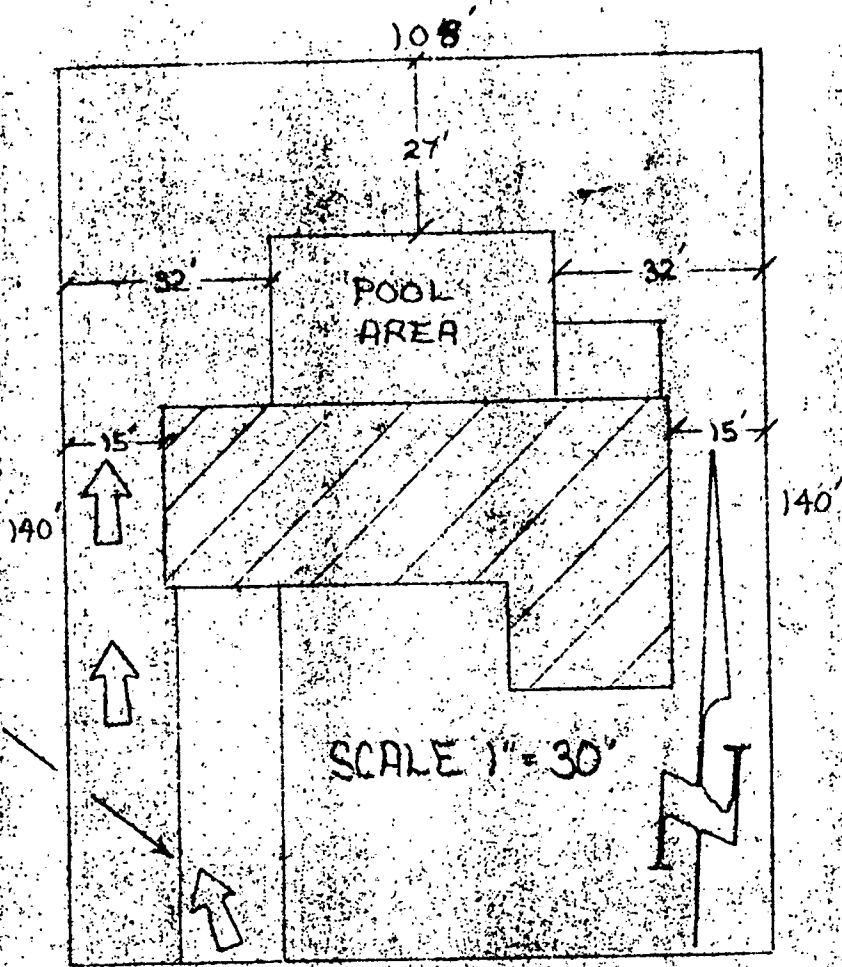
DIG CREW
ON EDGE

84' SCREE
1/2" ON

SCREEN FOOTER CONTINUOUS

PLACE DIRT ON EDGE

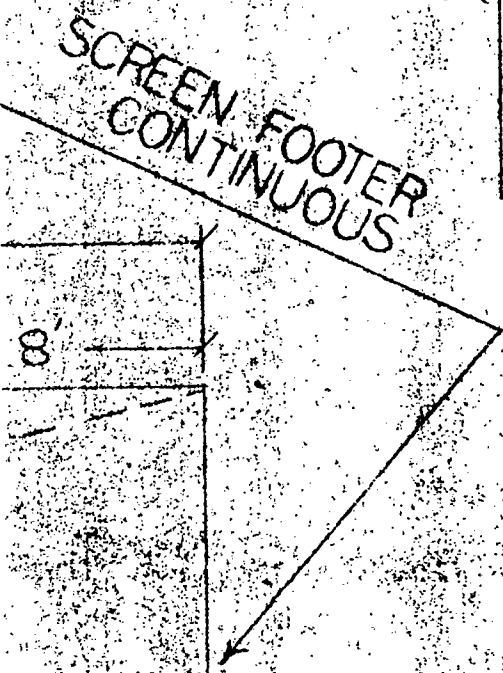


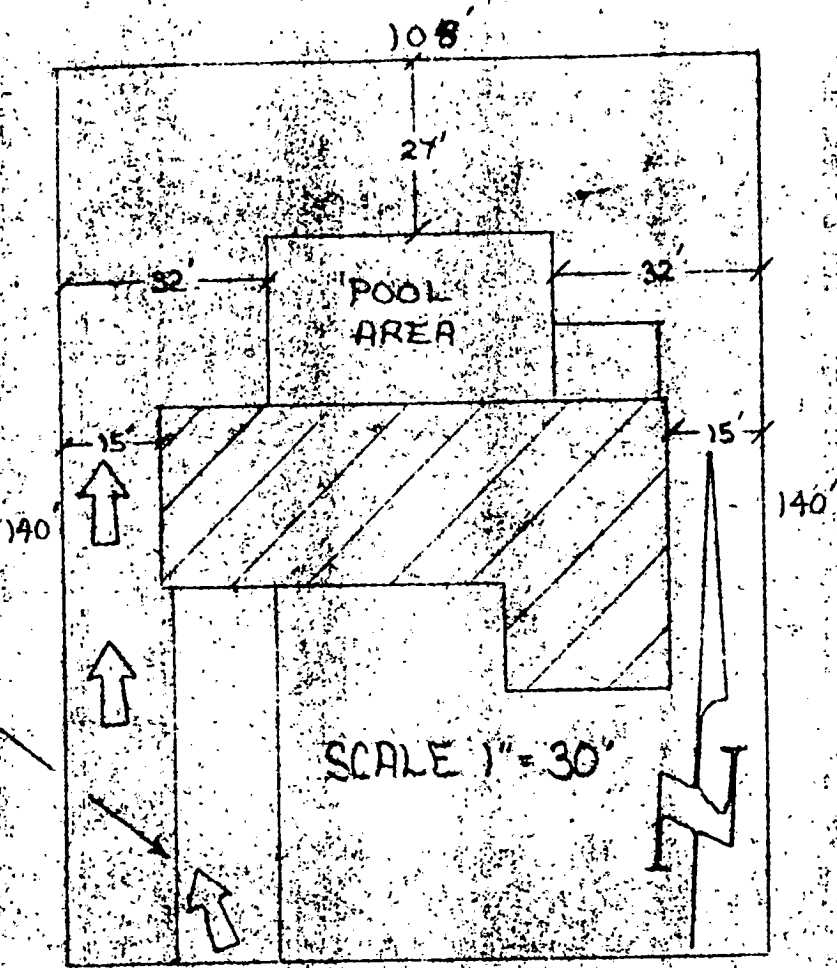


108'
* 8 SOUTH VIA LUCINDIA

POOL SPE

- MAX. WIDTH 15
- MIN. DEPTH 3'
- SHAPE ROMAN
- DIRT FROM EXCAVATION
- TILE IP-662 CRYSTAL & COBALT
- FILTER DE EC-6'
- MOTOR H.P. 1hp
- LIGHT ONE 300W
- MAIN DRAIN 2"
- INLETS 4
- LADDER NO
- DIVE BO. NO
- HEATER NO
- VAC. HEAD YES
- VAC. POLE YES
- LEAF SKIMMER YES
- CHLORINATOR AUTOMATIC
- OVERFLOW LINE NO
- TREE REMOVAL NO
- BACK WASH LINE 4
- SCREEN ENCLOSURE C
- ELECTRICAL HOOKUP C
- PATIO 682# COI
- DECK-O-DRAIN
- APPROX. GALLONS
- PUMP G.P.M.
- APPROX. TURNOVER TIME
- "COM
- OWNER WILL
- SPRINKL
- DIG CREW
- ON EDGE
- 84' SCREE
- 1/2# 30





SCALE 1" = 30'

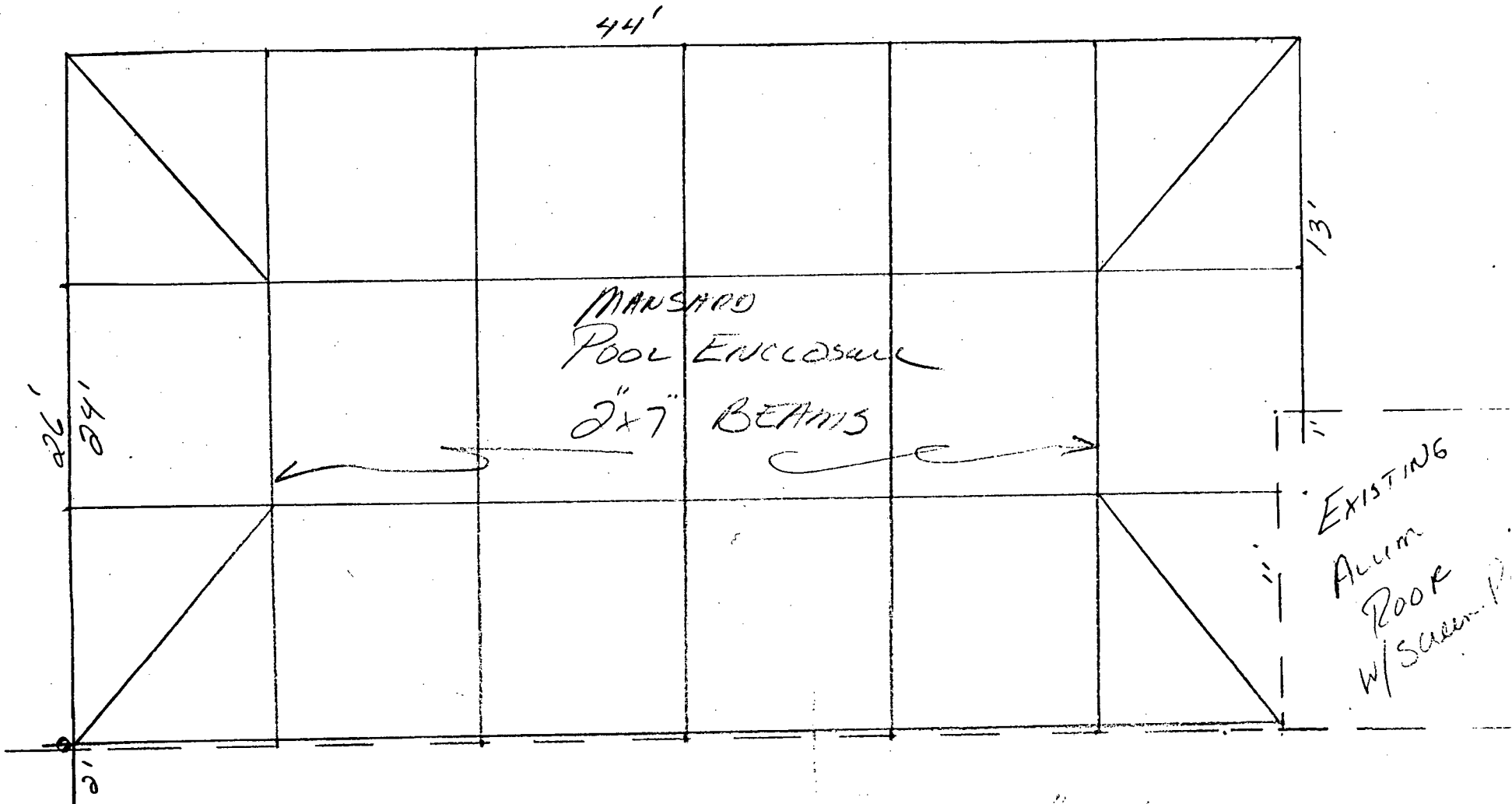
108'
* 8 SOUTH VIA LUCINDIA

SCREEN FOOTER CONTINUOUS

PLACE DIRT ON EDGE

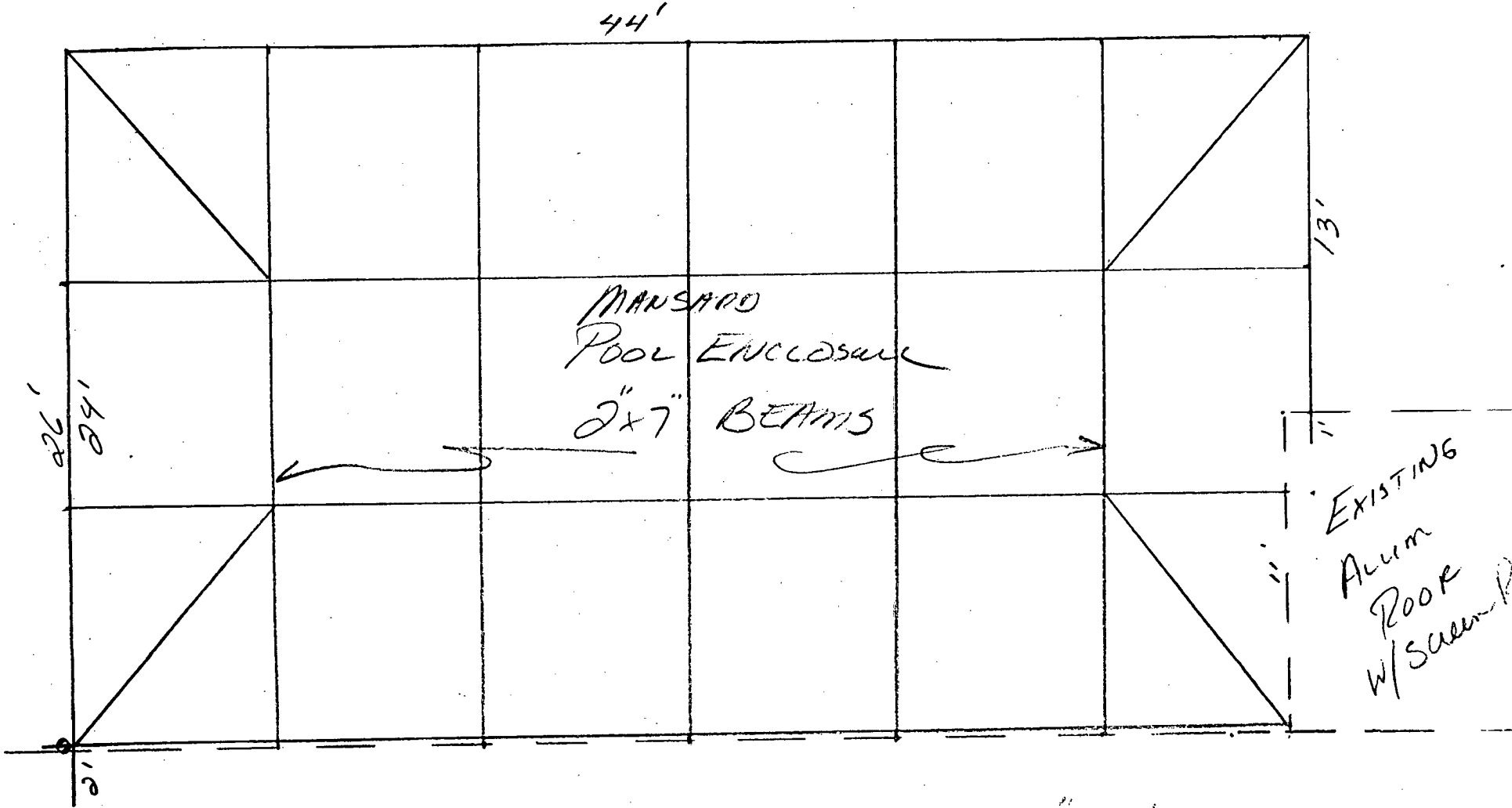
POOL SPEC

- MAX. WIDTH 15'
- MIN. DEPTH 3'
- SHAPE ROMAN
- DIRT FROM EXCAVATION
- TILE IP-662 CRYSTAL & COBALT
- FILTER DE EC-65
- MOTOR H.P. 1hp
- LIGHT ONE 300W
- MAIN DRAIN 2"
- INLETS 4
- LADDER NO
- DIVE BO. NO
- HEATER NO
- VAC. HEAD YES
- VAC. POLE YES
- LEAF SKIMMER YES
- CHLORINATOR AUTOMA
- OVERFLOW LINE NO
- TREE REMOVAL NO
- BACK WASH LINE 4
- SCREEN ENCLOSURE C
- ELECTRICAL HOOKUP C
- PATIO 682 # COI
- DECK-O-DRAIN
- APPROX. GALLONS
- PUMP G.P.M.
- APPROX. TURNOVER TIME
- "COM
- OWNER WILL
- SPRINKL
- DIG CREW
- ON EDGE
- 84' SCREE
- 1/2 # 20



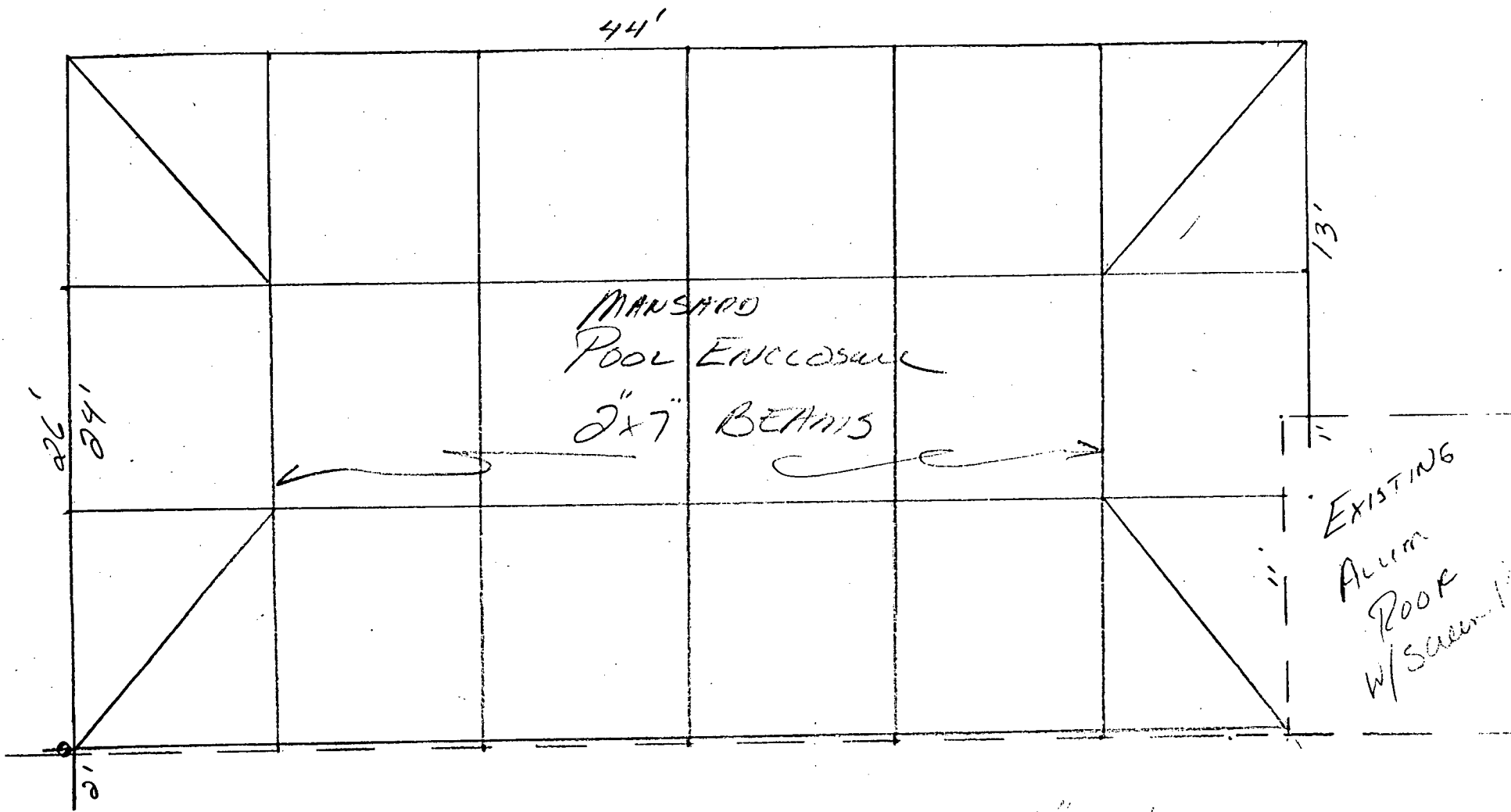
SCALE $\frac{3}{16}'' = 1'$

RESIGNED



SCALE $\frac{3}{16}'' = 1'$

Revised



MANSHAD
 POOL ENCLOSURE
 2" x 7" BEAMS

EXISTING
 ALUM
 ROOF
 W/ SWAMP

SCALE $\frac{3}{16}'' = 1'$

RESIGNED

CONTRACTORS:

THIS NOTICE MUST BE GIVEN TO PROPERTY OWNERS BEFORE CONSTRUCTION BEGINS.

WARNING TO PROPERTY OWNERS

Please read this notice carefully. It may save you from paying twice for commercial or residential repairs, improvements, or new construction if they cost more than \$2,500.

Since you or your contractor have applied for a building permit for work to be done on property owned by you, you should be aware of the following:

“...the right, title and interest of a person who has contracted for (an) improvement (to real property) **MAY BE SUBJECT TO ATTACHMENT UNDER THE MECHANICS’ LIEN LAW.**”

The Florida Department of Agriculture and Consumer Services is **required by Florida law to provide this information to any person who applies for a building permit (see Section 713.135, Florida Statutes).**

The “Mechanics’ Lien Law” (Chapter 713, Part I, Florida Statutes) provides a method by which a contractor, subcontractor, sub-subcontractor, laborer, building material supplier, architect, landscape architect, engineer or land surveyor may claim a lien on real property on which he has done work or to which he has furnished materials.

A “lien” is a charge or encumbrance on real property which must be satisfied by the property owner. “Attachment” means that, if a court finds a claim of lien valid, the owner’s property may be seized and sold to satisfy the lien if it is not voluntarily paid.

Thus, failure of the property to comply with the “Mechanics’ Lien Law” can result in the property owner paying twice for building or improvements; once to a contractor and again to a laborer, supplier or subcontractor whom the contractor failed to pay.

Certain protective steps by the property owner are necessary. A “Notice of Commencement” must be filed. **Before** you file the “Notice of Commencement” be sure to check with your construction money-lender, as premature filing may affect your loan. For added protection, you may require a performance bond from your contractor. A bond provides the best protection against the possibility of having to pay twice.

The “Mechanics’ Lien Law” is complicated and technical. You will find a copy of the law at the office of the Clerk of the Circuit Court in your county or at most public libraries. It will explain the “Notice of Commencement” and other requirements.

If you are planning to spend over \$2,500 on building or improvement, you may wish to consult legal counsel. If so, do it before you commence any building activity.

FURNISHING THIS INFORMATION IN NO WAY IMPLIES THAT YOUR CONTRACTOR IS UNRELIABLE.

This public document was promulgated at an annual cost of \$2,178, or 1.8¢ per copy to inform Floridians about provisions of Section 713.135(b), Florida Statutes, as required by law.



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:	9417	DATE ISSUED:	APRIL 27, 2010
SCOPE OF WORK:	REROOF		
CONDITIONS :			
CONTRACTOR:	JA TAYLOR ROOFING		
PARCEL CONTROL NUMBER:	013841-007-000-00280-6	SUBDIVISION	LUCINDIA - LOT 28
CONSTRUCTION ADDRESS:	8 S VIA LUCINDIA		
OWNER NAME:	BRAUNE & PICCOLO		
QUALIFIER:	CHAD TAYLOR	CONTACT PHONE NUMBER:	466-4040

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

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

**24 HOUR NOTICE REQUIRED FOR INSPECTIONS - ALL CONSTRUCTION DOCUMENTS MUST BE AVAILABLE ON SITE
 CALL 287-2455 - 8:00AM TO 4:00PM**

REQUIRED INSPECTIONS

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

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



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

BUILDING PERMIT RECEIPT

PERMIT NUMBER:	9417		
ADDRESS	8 S VIA LUCINDIA DR		
DATE:	4/27/10	SCOPE:	REROOF

SINGLE FAMILY OR ADDITION /REMODEL	Declared Value	\$	
------------------------------------	----------------	----	--

50621



772-466-4040
 302 MELTON DRIVE
 FT. PIERCE, FL 34982



ACH R/T 063100277

63-4-630

4/19/2010

PAY TO THE ORDER OF **Town of Sewall's Point**
THREE HUNDRED SIX ~~_____~~ **\$ 306.⁻**
 Town of Sewall's Point
 Town Hall
 One South Sewall's Point Rd.
 Sewell's Point, FL 34996
 DOLLARS
 AUTHORIZED SIGNATURE

MEMO Karen

⑈050621⑈ ⑆063000047⑆ 003388523255⑈

TOTAL BUILDING PERMIT FEE:	\$	
----------------------------	----	--

ACCESSORY PERMIT	Declared Value:	\$	15070
Total number of inspections @ \$75.00 each	4	\$	300
Road impact assessment: (.04% of construction value - \$5.00 min.)		\$	6
TOTAL ACCESSORY PERMIT FEE:		\$	306

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

9417

Date: 4.27.2010 Permit Number: _____

OWNER/TITLEHOLDER NAME: Philip BRAUNE Phone (Day) 772-463-4482 (Fax) _____

Job Site Address: 8 VIA LUCINDIA DR. SOUTH City: Stuart State: FL. Zip: 34996

Legal Description Lucindia Lot 28 Parcel Control Number: 01-38-41-007-000-00280-6

Owner Address (if different): 8 VIA Lucindia DR. SOUTH City: Stuart State: FL. Zip: 34996

Scope of work (please be specific): REEROOF

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: \$ 15,070.00
(Notice of Commencement required when over \$2500 prior to first inspection, \$7,500 on HVAC change out)
Is subject property located in flood hazard area? VE10 AE9 AE8 X
FOR ADDITIONS, REMODELS AND RE-ROOF APPLICATIONS ONLY:
Estimated Fair Market Value prior to improvement: \$ _____
(Fair Market Value of the Primary Structure only, Minus the land value)
PRIVATE APPRAISALS MUST BE SUBMITTED WITH PERMIT APPLICATION

CONTRACTOR/Company: J.A. Taylor Roofing, Inc. Phone: 772-466-4040 Fax: 772-468-8397

Street: 302 Melton Dr. City: Ft. Pierce State: FL. Zip: 34982

State License Number: CC C1325720 OR: Municipality: _____ License Number: _____

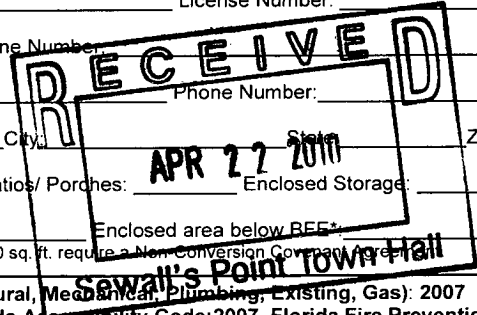
LOCAL CONTACT: SAME Phone Number: _____

DESIGN PROFESSIONAL: _____ Lic# _____ Phone Number: _____

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

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

Carport: _____ Total under Roof 3500 Elevated Deck: _____ Enclosed area below BEF: _____
* Enclosed non-habitable areas below the Base Flood Elevation greater than 300 sq. ft. require a Non-Conversion Government Permit



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

NOTICES TO OWNERS AND CONTRACTORS:

- 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.
- THERE ARE SOME PROPERTIES THAT MAY HAVE DEED RESTRICTIONS RECORDED UPON THEM. THESE RESTRICTIONS MAY LIMIT OR PROHIBIT THE WORK APPLIED FOR IN YOUR BUILDING PERMIT. IT IS YOUR RESPONSIBILITY TO DETERMINE IF YOUR PROPERTY IS ENCUMBERED BY ANY RESTRICTIONS. SOME RESTRICTIONS APPLICABLE TO THIS PROPERTY MAY BE FOUND IN THE PUBLIC RECORDS OF MARTIN COUNTY OR THE TOWN OF SEWALL'S POINT, THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.
- BUILDING PERMITS FOR SINGLE FAMILY RESIDENCES AND SUBSTANTIAL IMPROVEMENTS TO SINGLE FAMILY RESIDENCES ARE VALID FOR A PERIOD OF 24 MONTHS. RENEWAL FEES WILL BE ASSESSED AFTER 24 MONTHS PER TOWN ORDINANCE 50-95.
- THIS PERMIT WILL BECOME NULL AND VOID IF THE WORK AUTHORIZED BY THIS PERMIT IS NOT COMMENCED WITHIN 180 DAYS, OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AT ANY TIME AFTER THE WORK IS COMMENCED. ADDITIONAL FEES WILL BE ASSESSED ON ANY PERMIT THAT BECOMES NULL AND VOID. REF. FBC 2004 W/ 2006 REVISIONS SECT. 105.4.1, 105.4.1.1 - .5.

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

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

OWNER SIGNATURE: (required) _____ OR OWNERS LEGAL AUTHORIZED AGENT (PROOF REQUIRED) _____ NOTARY PUBLIC-STATE OF FLORIDA Karen S. Nielsen CONTRACTOR SIGNATURE: (required) _____
State of Florida, County of: MARTIN Commission # DD551441 State of Florida, County of: St. Lucie
This the 22 day of April My Comm. Expires: 06/12/2010 day of April 2010
by Philip BRAUNE who is personally known to me or produced by Chad Taylor who is personally known to me or produced
as identification: Karen S. Nielsen As identification: Karen S. Nielsen
Notary Public Commission # DD551441
My Commission Expires: 06.12.2010 My Commission Expires: 06/12/2010

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



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

Site Provided by...
governmax.com T1.12

Summary

print Address: 2 of 2

Parcel Info

Parcel ID	Unit Address	Serial Index ID	Order	Commercial	Residential
01-38-41-007-000-00280-6	8 S VIA LUCINDIA	17713	Address	0	1

Summary

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

Summary

Property Location 8 S VIA LUCINDIA
Tax District 2200 Sewall's Point
Account # 17713
Land Use 101 0100 Single Family
Neighborhood 120350
Acres 0.347

Legal Description
Property Information
 LUCINDIA LOT 28

Search By

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

Owner Information
Owner Information
 BRAUNE, PHILIP
 PICCOLO, VERONICA

Mail Information
 8 VIA LUCINDIA DR S
 STUART FL 34996

Assessment Info
Front Ft. 0.00

Market Land Value \$164,500
Market Impr Value \$81,760
Market Total Value \$246,260

Site Functions

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

Recent Sale
Sale Amount \$206,200

Sale Date 5/5/2001
Book/Page 1551 1073

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

Legal disclaimer / Privacy Statement

Data updated on 3/3/2010





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

Site Provided by...
governmax.com T1.12

Residential

print Address 2 of 2

Parcel Info

Summary
Land

Residential

- Printable Tab
- Improvement
- Commercial
- Image
- Sales & Transfers
- Assessments →
- Taxes →
- Exemptions →
- Parcel Map →
- Full Legal →

Parcel ID	Unit Address	Serial ID	Index Order	Card
01-38-41-007-000-00280-6	8 S VIA LUCINDIA	17713	Address	1 of 1

Type
Use Code 101 0100 Single Family
Style 30
Grade AV
Year Built 1971
Roof 103 Gable-Hip

Flooring 8 Carpet
Exterior Walls C6 Conc block 12
Heating 1 Central Warm Air
Air Cond. Y
Fireplace(s) NO

Attributes
No. of Stories 1.00
Total Rooms 0

Bedrooms 2
Full Bathrooms 2
Half Bathrooms 0
Garage 506

Search By

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

Dimensional Attributes
Sq Footage Finished 1663

Basement SqFt 0

Site Functions

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

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

Legal disclaimer / Privacy Statement

Data updated on 3/3/2010



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

01-38-41-007-000-00280-6

1. DESCRIPTION OF PROPERTY (Legal description and street address) TAX FOLIO NUMBER: _____
SUBDIVISION LUCINDIA BLOCK _____ TRACT _____ LOT 28 BLDG _____ UNIT _____

2. GENERAL DESCRIPTION OF IMPROVEMENT: REEROOF

3. OWNER INFORMATION: a. Name PHILIP BRAUNE
b. Address 8 VIA Lucindia Dr, S., Stuart, FL 34996 c. interest in property owner
d. Name and address of fee simple titleholder (if other than owner) _____

4. CONTRACTOR'S NAME, ADDRESS AND PHONE NUMBER: J.A. TAYLOR ROOFING, INC.
302 Melton Dr, Fort Pierce, FL 34982 772-466-4040

5. SURETY'S NAME, ADDRESS AND PHONE NUMBER AND BOND AMOUNT: N/A

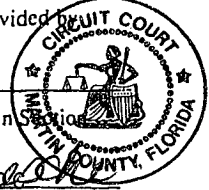
6. LENDER'S NAME, ADDRESS AND PHONE NUMBER: N/A STATE OF FLORIDA

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided in Section 713.13 (1)(a) 7.. Florida Statutes: 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 Lienor's Notice as provided in Section 713.13 (1)(b), Florida Statutes: MARSHA EWING, CLERK

NAME, ADDRESS AND PHONE NUMBER: N/A by Louann Bettencourt

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.

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

* PHILIP BRAUNE
Print Name and Provide Signatory's Title/Office

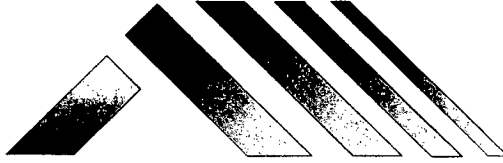
State of Florida
County of MARTIN
The foregoing instrument was acknowledged before me this 10 day of March, 2010
By Philip BRAUNE as OWNER
(Name of person) (Type of authority...e.g. Owner, officer, trustee, attorney in fact)
For _____
(Name of party on behalf of whom instrument was executed) Personally Known _____ or produced the following type of ID: _____

Karen S. Nielsen (Printed Name of Notary Public) Karen S. Nielsen (Signature of Notary Public)
NOTARY PUBLIC-STATE OF FLORIDA
Karen S. Nielsen
Commission # DD551441

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 belief (section 92.525, Florida Statutes).
My Comm. Expires: 06/12/2010

Signature(s) of Owner(s) or Owner(s)' Authorized Officer/Director/Partner/Manager who signed above:
* By Philip Braune By Philip BRAUNE

INSTR # 2202254 DR BK 02446 PG 0100 RECD 04/01/2010 01:36:48 PM
Pg 0100 (1pa)
MARSHA EWING MARTIN COUNTY DEPUTY CLERK L Bettineschi



J.A. TAYLOR ROOFING

“Estimate/Contract/Proposal”

Customer/Owner/Agent: Phil & Veronica Braune	Phone: 772-463-4482
Project Address: 8 Via Lucinda South Stuart, FL 34996 (Sewalls Point)	Fax:
Date/Type/Code: Revised March 8, 2010/32SH-M3FL, 5/12	Email: pjbraune@hotmail.com

Re-Roofing

J.A. Taylor Roofing will provide necessary permits, schedule all inspections with related Municipality, and maintain Current License and Insurance. This proposal includes labor, materials, and all taxes. Please note that “Oil Canning” is a characteristic of all metal roof systems and is not a cause for rejection. Our “Professional” installers will hereby complete the following;

1. Remove existing shingle roof system down to sheathing/deck and prepare as necessary to ensure a clean, solid surface in which to apply a new roof.
2. Inspect all sheathing and replace any rotten wood. (Estimate includes up to 3 sheets plywood sheathing replacement at no charge, for additional lumber replacement costs, see attached sheet).
3. Install additional sheathing nails to existing deck to comply with current building code requirements.
4. Install (1) ply #30 lb. roofing felt over sheathing, and mechanically fasten using approved fasteners per code requirements.
5. Install new roofing accessories including: drip edge, flashings, counter-flashings, plumbing stack flashings, vent flashings, and valley metal. (Accessories to be fabricated from 26 gauge Galvanized materials, or will be made to match metal roofing panels).
6. (Flat/low-slope roof systems only) Remove existing flat roof system as stated above, install (1) ply “Base” sheet mechanically fastened to sheathing, install new roofing accessories (same as above), and install (1) ply “white” granulated APP Modified Bitumen (Torch-down), over entire flat roof surface.
7. Thoroughly clean project of all “roofing related debris” and haul away. (Landfill fees are included).

“Standard” Architectural Shingles (30 yr. warranty/70 mph)	_____	\$ 8100.00
“Duration” Architectural Shingles (30 yr. warranty/110 mph)	_____	\$ 8420.00
“Duration Premium” Architectural Shingles (Lifetime warranty/130 mph)	_____	\$ 9060.00
5-V Crimp Metal Roof System (Mill Finish 26 Gauge)	_____	\$ 10,450.00
1” Standing Seam Metal Roof System (Mill Finish 26 Gauge)	_____	\$ 12,190.00
Upgrade to Colored Metal Roof Panels (24 Gauge), Additional	_____	\$ 2400.00
Upgrade to .032 Aluminum/Color 1” Standing Seam Metal Roof System, Additional	_____	-\$ 2880.00

J.A. Taylor Roofing will provide a (5) Year workmanship/labor warranty from date of completion

Any alteration or deviation from the above specifications involving additional costs will be executed only upon written orders, and will become an extra charge over and above the estimate. Replacement of rotten/damaged lumber is not included in estimate unless specified. Customer must provide access to building unless arrangements are made prior to estimate, therefore J.A. Taylor Roofing is not responsible for damage to driveway/sidewalks and/or any other access areas needed to approach projects. Any client that is in default in the payment of money due under terms of this account will be charged at the rate of 1 ½ % per month on the unpaid balance (Maximum allowable by law). If any client is referred to an attorney for collection, client agrees to pay all fees incurred in the collection of the amount due, plus all court costs and attorney fees. Work will be scheduled upon written acceptance of this proposal. This proposal may be withdrawn from us if not accepted within 60 days. *All major credit cards accepted, however an additional processing fee of up to 5% will be assessed to contract total depending on current monthly rate and card used.

ACCEPTANCE OF PROPOSAL

Owner: Phil & Veronica Braune Date: 3/8/10
 Contractor: _____ Date: _____

For further assistance please contact J.A. Taylor Roofing 772-466-4040 or fax to 772-468-8397

Thank you for the opportunity to bid your project

*****Serving the Treasure Coast for over 44 years*****

302 Melton Drive Fort Pierce, Florida 34982 Phone: (772) 466-4040 Fax: (772) 468-8397

REPAIRS, RE-ROOFS, NEW COMMERCIAL & RESIDENTIAL ROOFING CONTRACTORS
SERVING FLORIDA SINCE 1965
LICENSE #CCC1325720



TOWN OF SEWALL'S POINT BUILDING DEPARTMENT
One S. Sewall's Point Road
Sewall's Point, Florida 34996
Tel 772-287-2455 Fax 772-2204765

RE-ROOF 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

The following minimum requirements must be provided for permitting and inspections:

- 1 Copy** Completed application
- 2 Copies** Complete list of proposed materials
- 2 Copies** Re-roof certification
- 1 Copy** Re-roof Inspection affidavit if used, prior to final inspection.

RESIDENTIAL REROOFS:

- 2 Copies** approved roofing manufacturer specifications for all products used.
 - Manufacturer specs/fastening schedule for roof shingles (must meet the minimum area wind load).
 - Manufacturer must have Florida Product Approval
 - Location of proposed re-roof (if only a partial re-roof) and area % calculation
- 2 Copies** Re-roof windstorm loss mitigation certification (and affidavit if applicable)

COMMERCIAL REROOFS:

- 2 Copies** Roof Plan:
 - Show all features (pitch, drains, equipment, etc.)
 - Details: 3/4" = 1'.0" min. scale
 - Parapet or edge
 - Rooftop mounting or equipment expansion joints
 - Type of roofing (& insulation if any) being removed
 - Type of roof deck
- 2 Copies** Approved roofing manufacturer specifications for all products used.
 - Manufacturers complete roofing system specifications & installation guidelines (Include fastening schedule meeting minimum area wind load).
- 1 Copy** Verification of Contractor form
 - Contractor verification form (HVAC and/or electric) required if roof top HVAC equipment is removed/reinstalled and/or if HVAC electric is disconnected/reconnected.

**All Product Approval & Installation Spec's must be on the job site for inspection.
All tile re-roofs require an "in progress" tile installation inspection or certified pull test at final.**

RE-ROOF CERTIFICATION

PERMIT # _____

CONTRACTOR'S NAME: J.A. Taylor Roofing PHONE #: 772-466-4040 FAX: 772-468-8397

OWNER'S NAME: Philip Braune

CONSTRUCTION ADDRESS: 8 VIA Lucindia Dr., S. CITY Stuart STATE FL.

RE-ROOF: RESIDENTIAL(SINGLE FAMILY)

COMMERCIAL

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

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

ROOF TYPE: HIP BOSTON-HIP GABLE FLAT OTHER

ROOF PITCH: 5 /12 SLOPE + FIAT

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

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

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

EXISTING DECK TO REMAIN/REPAIRED

EXISTING ROOF COVERING: Shingle EXISTING COVERING TO BE REMOVED? YES NO

PROPOSED NEW ROOF COVERING: 1" Standing Seam Alum. Panels / mod. Bit.

MANUFACTURER Englert PRODUCT NAME Series 1100 PRODUCT APPR # FL# 11698.5
FIAT: JOHN'S MANVILLE APP MOD. Bit. NOR: 06-0417-09
(APPROVED ROOF COVERING MATERIAL WITH CURRENT FLORIDA PRODUCT APPROVAL)
MANUFACTURER'S INSTALLATION SPECS MUST BE ON THE JOB SITE AT TIME OF INSPECTION.

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

ALL CONCRETE OR CLAY TILE RE-ROOF PERMITS REQUIRE AN IN PROGRESS TILE INSTALLATION INSPECTION

PROPOSED FLASHING: GALV./STEEL ALUMINUM COPPER OTHER

RIDGEVENT TO BE INSTALLED: YES NO

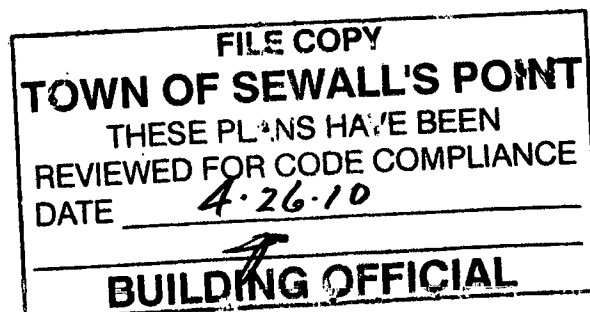
DESCRIPTION OF WORK:

Remove existing roof systems down to decking. Re-nail Deck.
Install new Alum. Panel Roof system over #30 Felt underlayment
Install new mod. Bit (2-ply) Flat roof system over #43 base sheet.

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

SIGNATURE OF CONTRACTOR

DATE: 3-18-2010



**RESIDENTIAL REROOF WINDSTORM LOSS
MITIGATION CERTIFICATION
(FLORIDA STATUTE 553.844)**

The following information is to be provided by roofing contractor or owner/builder on all re-roof applications for the purpose of obtaining compliance with recent changes to State Statute and referenced "Hurricane Mitigation Manual". Effective date: October 1, 2007.

Note: These requirements apply to residential structures built prior to implementation of the FBC on March 1, 2002.

- ✓ Value: show proof of insured value of residential structure or a copy of the ad-valorem tax value.
- ✓ Provide copy of contract

All re-roofs regardless of value shall comply with the following:

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

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

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

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

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

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

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

FLORIDA DEPARTMENT OF
Community Affairs

BCIS Home Log In User Registration Hot Topics Submit Surcharge Stats & Facts Publications FBC Staff BCIS Site Map Links Search

Product Approval
USER: Public User

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



- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

FL # FL11698
 Application Type New
 Code Version 2007
 Application Status Approved
 Comments
 Archived

Product Manufacturer Englert Inc.
 Address/Phone/Email 1200 Amboy Ave.
 Perth Amboy, NJ 08861
 (732) 826-8614 Ext 3909
 j.tripod@englertinc.com

Authorized Signature James L. Buckner, P.E. @ CBUCK, Inc.
 jimmy@cuckinc.net

Technical Representative Joseph F. Tripod
 Address/Phone/Email 1200 Amboy Avenue
 Perth Amboy, NJ 08862
 (732) 826-8614
 jftripod@aol.com

Quality Assurance Representative
 Address/Phone/Email

Category Roofing
 Subcategory Metal Roofing

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

Florida Engineer or Architect Name who developed the Evaluation Report James L. Buckner, P.E @ C-Buck, Inc.
 Florida License PE-31242
 Quality Assurance Entity Keystone Certifications, Inc.
 Quality Assurance Contract Expiration Date 12/31/2011
 Validated By Steven M. Urich, PE
 Validation Checklist - Hardcopy Received

Certificate of Independence [FL11698_R0_COI_CertOfIndep.pdf](#)

Referenced Standard and Year (of Standard)	Standard	Year
	Florida Building Code	2007
	TAS 125	2003
	UL 1897	1998
	UL 580	1994

Equivalence of Product Standards

Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

11/24/2008

Date Validated

12/19/2008

Date Pending FBC Approval

12/28/2008

Date Approved

02/03/2009

Summary of Products

FL #	Model, Number or Name	Description
11698.1	1 - Englert "Series 500"	Roof Panel - 26 Gauge Steel, 21" Width, Attached to Plywood Deck
<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +N/A/-79 Other: The required design wind loads shall be determined for each project per FBC, 2007, Section 1609. The maximum fastener spacing listed herein shall not be exceeded. Any rational analysis computations shall be prepared by a qualified design professional and in compliance with FBC 2007, Sections 104, 105, 106. This report does not evaluate use of this product in the High Velocity Hurricane Zone.</p>		<p>Installation Instructions FL11698 R0 II 1 Series500 26GaSteelOnWood EVALREPORT.pdf Verified By: James L. Buckner, P.E P.E. #31242 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL11698 R0 AE 1 Series500 26GaSteelOnWood EVALREPORT.pdf Created by Independent Third Party: Yes</p>
11698.2	2 - Englert "Series 500"	Roof Panel - 0.032" Aluminum, 21" Width, Attached to Plywood Deck
<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +N/A/-84 Other: The required design wind loads shall be determined for each project per FBC, 2007, Section 1609. The maximum fastener spacing listed herein shall not be exceeded. Any rational analysis computations shall be prepared by a qualified design professional and in compliance with FBC 2007, Sections 104, 105, 106. This report does not evaluate use of this product in the High Velocity Hurricane Zone.</p>		<p>Installation Instructions FL11698 R0 II 2 Series500 032AlumOnWood EVALREPORT.pdf Verified By: James L. Buckner, P.E P.E. #31242 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL11698 R0 AE 2 Series500 032AlumOnWood EVALREPORT.pdf Created by Independent Third Party: Yes</p>
11698.3	3 - Englert "Series 1000"	Roof Panel - 24 Gauge Steel, 20" Width, Attached to Plywood Deck
<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +N/A/-52.5 Other: The maximum fastener spacing listed herein shall not be exceeded. All deck butt and side joints shall be sealed by tape and/or with a one-part urethane caulk sealant per the tested condition. The required design wind loads shall be determined for each project per FBC, 2007, Section 1609. Any rational analysis computations shall be prepared by a qualified design professional and in compliance with FBC 2007, Sections 104, 105, 106.</p>		<p>Installation Instructions FL11698 R0 II 3 Series1000 24GaSteelOnWood EVALREPORT.pdf Verified By: James L. Buckner, P.E P.E. #31242 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL11698 R0 AE 3 Series1000 24GaSteelOnWood EVALREPORT.pdf Created by Independent Third Party: Yes</p>
11698.4	4 - Englert "Series 1100"	Roof Panel - 24 Gauge Steel, 16" Width, Attached to Plywood Deck
<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes</p>		<p>Installation Instructions FL11698 R0 II 4 Series1100 24GaSteelOnWood EVALREPORT.pdf Verified By: James L. Buckner, P.E P.E. #31242</p>

<p>Impact Resistant: No Design Pressure: +N/A/-60 Other: The required design wind loads shall be determined for each project per FBC, 2007, Section 1609. The maximum fastener spacing listed herein shall not be exceeded. Any rational analysis computations shall be prepared by a qualified design professional and in compliance with FBC 2007, Sections 104, 105, 106. This report does not evaluate use of this product in the High Velocity Hurricane Zone.</p>	<p>Created by Independent Third Party: Yes Evaluation Reports FL11698 R0 AE 4 Series1100 24GaSteelOnWood EVALREPORT.pdf Created by Independent Third Party: Yes</p>
<p>11698.5 5 - Englert "Series 1100" Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +N/A/-37.5 Other: The required design wind loads shall be determined for each project per FBC, 2007, Section 1609. The maximum fastener spacing listed herein shall not be exceeded. Any rational analysis computations shall be prepared by a qualified design professional and in compliance with FBC 2007, Sections 104, 105, 106. This report does not evaluate use of this product in the High Velocity Hurricane Zone.</p>	<p>Roof Panel - 0.032" Aluminum, 16" Width, Attached to Plywood Deck Installation Instructions FL11698 R0 II 5 Series1100 032AlumOnWood EVALREPORT.pdf Verified By: James L. Buckner, P.E P.E. #31242 Created by Independent Third Party: Yes Evaluation Reports FL11698 R0 AE 5 Series1100 032AlumOnWood EVALREPORT .pdf Created by Independent Third Party: Yes</p>
<p>11698.6 6 - Englert "Series 1101" Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +N/A/-124 Other: The required design wind loads shall be determined for each project per FBC, 2007, Section 1609. The maximum fastener spacing listed herein shall not be exceeded. Any rational analysis computations shall be prepared by a qualified design professional and in compliance with FBC 2007, Sections 104, 105, 106. Any extrapolation shall address fastener spacing and panel interlock strength.</p>	<p>Roof Panel - 24 Gauge Steel, 16" Width, Attached to Plywood Deck Installation Instructions FL11698 R0 II 6 Series1101 24GaSteelOnWood EVALREPORT.pdf Verified By: James L. Buckner, P.E P.E. #31242 Created by Independent Third Party: Yes Evaluation Reports FL11698 R0 AE 6 Series1101 24GaSteelOnWood EVALREPORT.pdf Created by Independent Third Party: Yes</p>
<p>11698.7 7 - Englert "Series 1101" Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +N/A/-37.5 Other: The required design wind loads shall be determined for each project per FBC, 2007, Section 1609. The maximum fastener spacing listed herein shall not be exceeded. Any rational analysis computations shall be prepared by a qualified design professional and in compliance with FBC 2007, Sections 104, 105, 106. Any extrapolation shall address fastener spacing and panel interlock strength.</p>	<p>Roof Panel - 0.032" Aluminum, 16" Width, Attached to Plywood Deck Installation Instructions FL11698 R0 II 7 Series1101 032AlumOnWood EVALREPORT.pdf Verified By: James L. Buckner, P.E P.E. #31242 Created by Independent Third Party: Yes Evaluation Reports FL11698 R0 AE 7 Series1101 032AlumOnWood EVALREPORT.pdf Created by Independent Third Party: Yes</p>
<p>11698.8 8 - Englert "C Panel" Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +N/A/-62 Other: The required design wind loads shall be determined for each project per FBC, 2007, Section 1609. The maximum fastener spacing listed herein shall not be exceeded. Any rational analysis computations shall be prepared by a qualified design professional and in compliance with FBC 2007, Sections 104, 105, 106. This report does not evaluate</p>	<p>Roof Panel - 26 Gauge Steel, 24" Width, Attached to Plywood Deck Installation Instructions FL11698 R0 II 8 CPanel 26GaSteelOnWood EVALREPORT.pdf Verified By: James L. Buckner, P.E P.E. #31242 Created by Independent Third Party: Yes Evaluation Reports FL11698 R0 AE 8 CPanel 26GaSteelOnWood EVALREPORT.pdf Created by Independent Third Party: Yes</p>



CBUCK Engineering

Specialty Structural Engineering

CBUCK, Inc. Florida Certificate of Authorization # 8064

Evaluation Report

of

Englert, Inc.

“Series 1100”

Metal Roof Assembly

for

Florida Product Approval

FL 11698.5

Florida Building Code 2007

Per Rule 9B-72

Method: 1 - D

Category: Roofing

Sub - Category: Metal Roofing

Product: “Series 1100” Roof Panel

Material: Aluminum

Panel Thickness: 0.032”

Panel Width: 16”

Support Type: Wood Deck

Prepared for:

Englert, Inc.

1200 Amboy Avenue
Perth Amboy, NJ 08862

Prepared by:

James L. Buckner, P.E.

Florida Professional Engineer # 31242

Florida Evaluation ANE ID: 1916

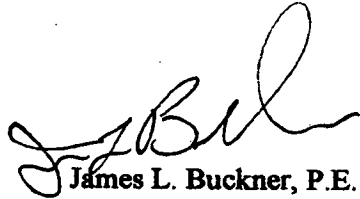
Project Manager: Diana Galloway

Report No. 08-148-1100-A3W-ER

Date: 10 / 22 / 08

Contents:

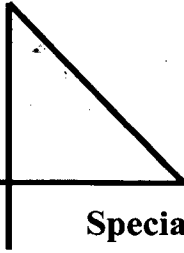
Evaluation Report Pages 1 - 7



James L. Buckner, P.E.
Florida P.E. # 31242
12/11/08

CBUCK, Inc.

1334 S. Killian Drive, Suite 4, West Palm Beach, Florida 33403
Phone: (561)491-9927 Fax: (561)491-9928 Email: cbuck@cbuckinc.net



C-BUCK Engineering

FL #: FL 11698.5
Date: 10 / 22 / 08
Report No.: 08-148-1100-A3W-ER
Page 2 of 7

Specialty Structural Engineering

CBUCK, Inc. Florida Certificate of Authorization # 8064

Manufacturer: Englert, Inc.

Product Name: "Series 1100" Panel

Product Category: Roofing

Product Sub-Category: Metal Roofing

Compliance Method: State Product Approval Rule 9B-72.070 (1) (d)

Panel Description: "Series 1100", Snap Lock, Aluminum Roof Panel attached to Wood Deck

Panel Material / Standards: Material: Aluminum
Alloy Type: 3105-H14
Corrosion Resistance:
Material shall comply with the Florida Building Code (FBC), 2007 Section 1507.4.3.

Panel Dimension(s): Thickness: 0.032" minimum
Width: 16" (Maximum net coverage)
Rib Height: 1-1/4"

Support Type: **Wood Deck**
(Design of support system is not included in this evaluation)

Support Description:

- 19/32" or greater plywood, or
- Wood plank

Slope Range: Minimum slope shall be **3:12 or greater** in accordance with the Manufacturers recommendations and in compliance with FBC 2007, including Sections 1507.4.2 and 1504.7.

Underlayment: Underlayment shall be per manufacturer's guidelines as required in FBC Section 1507.4.5

Insulation: **(Optional)** Rigid Insulation Board, 3" maximum thickness and shall comply with FBC Section 1508, material standards shall comply with Table 1508.2.

Fire Classification: Fire Classification is outside the scope of Rule 9B-72, and is therefore not included in this evaluation. Additional approved substrates may be added for Fire Classification purposes.



C-BUCK Engineering

Specialty Structural Engineering

CBUCK, Inc. Florida Certificate of Authorization # 8064

**Attachment Component
Description:**

Roof Panel Clips

Product Name: Englert "Series 1100 Clip"
Englert Part # 05079A
Material: Steel
Type: One-piece, fixed clip
Thickness: 24 Gauge minimum
Strength: 40 ksi minimum
Dimensions: 1-3/16" (tall) x 1-15/16" (long) x 3" (wide)
Corrosion Resistance: Per FBC Section 1506.7

Roof Panel Fasteners

Size: #10 x 1" (3/16" minimum penetration through deck)
Type: Pancake-Head wood screws
Corrosion Resistance: Per FBC Section 1507.6.6 and 1507.4.4
Standard: Per ANSI/ASME B18.6.1.

Installation:

Englert "Series 1100" Roof Panel to Wood Deck:

- **Clip Spacing: 24" o.c. maximum**
(along the length of the panel and nominally within 3" from all ends)
- **Two fasteners per Clip**
- **Rib Interlock: Snap-Lock**
(Panel ribs shall be fully engaged to form an integral snap-lock.)

Minimum fastener penetration or embedment into deck, 3/16".

Design Uplift Pressure: - 37.5 PSF (Safety Factor of 2 : 1)

Install the system in compliance with the attached installation method.
Refer to manufacturer's installation instructions as a supplemental guide for attachment.

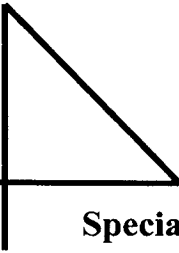


C-BUCK Engineering

Specialty Structural Engineering

CBUCK, Inc. Florida Certificate of Authorization # 8064

- Quality Assurance:** The manufacturer has demonstrated compliance of roof panel products in accordance with the Florida Building Code and Rule 9B-72.070 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Keystone Certifications, Inc.** (FBC Organization ID# QUA 1824)
- Performance Standards:** The product described herein has demonstrated compliance with:
- **UL580-94** – *Test for Uplift Resistance of Roof Assemblies—with Revisions through February 1998*
- Code Compliance:** The product described herein has demonstrated compliance with the Florida Building Code 2007, Section 1504.3.2
- Evaluation Report Scope:** This product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code, as related to Rule 9B-72.
- System Limitations:** The required design wind loads shall be determined for each project per FBC, 2007, Section 1609. The maximum fastener spacing listed herein shall not be exceeded. Any rational analysis computations shall be prepared by a qualified design professional and in compliance with FBC 2007, Sections 104, 105, 106. This report does not evaluate use of this product in the High Velocity Hurricane Zone.
- Referenced Data:**
1. Uplift Class 60 Based on UL580 Uplift Test
By Hurricane Test Laboratories, Inc. (FBC Organization #TST ID: 1527)
Report #0155-0713-04, Specimen #2 Date: 9/21/04
 2. Quality Assurance
Keystone Certifications, Inc. (FBC Organization ID# QUA 1824)
Englert, Inc. Licensee # 420
 3. Certification of Independence
By James L. Buckner, P.E. @ CBUCK Engineering
(FBC Organization# ANE ID: 1916)



C-BUCK Engineering

FL #: FL 11698.5
Date: 10 / 22 / 08
Report No.: 08-148-1100-A3W-ER
Page 5 of 7

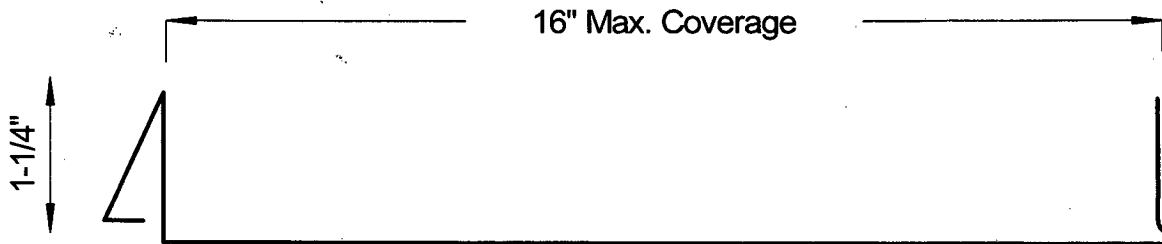
Specialty Structural Engineering

CBUCK, Inc. Florida Certificate of Authorization # 8064

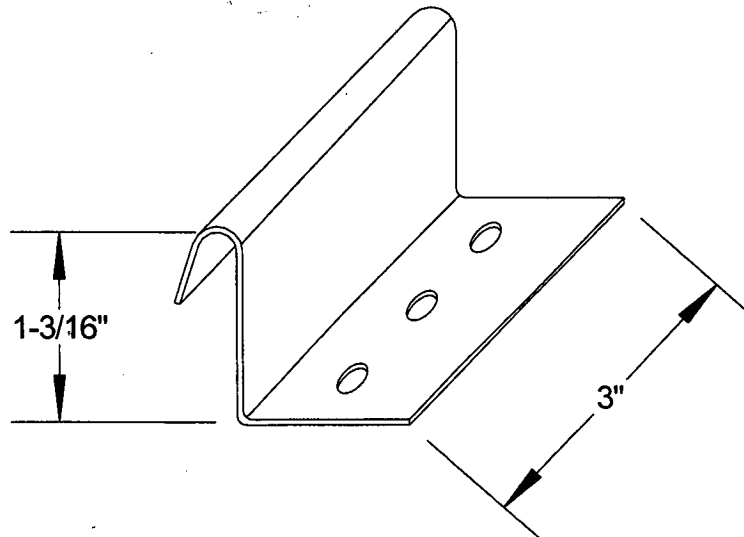
Installation Method Englert, Inc.

“Series 1100” (0.032” Aluminum) Roof Panel Attached to Wood Deck

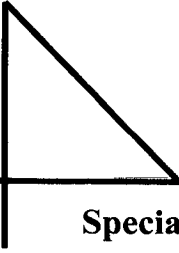
Profile Drawings



Panel Profile



Panel Clip Profile
Englert “Series 1100 Clip”
(Part # 05079A)



C-BUCK Engineering

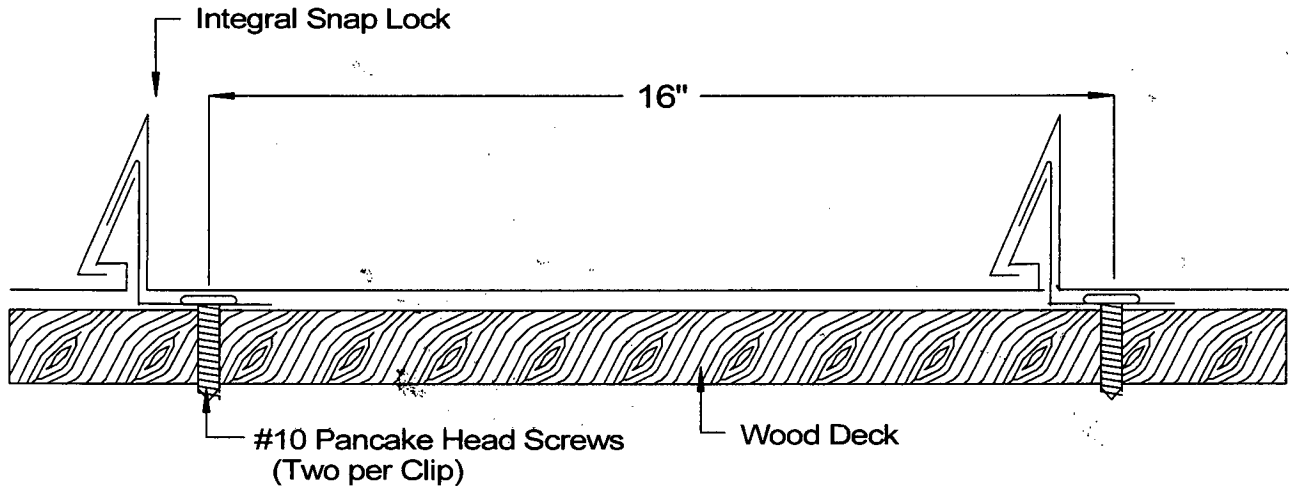
FL #: FL 11698.5
Date: 10 / 22 / 08
Report No.: 08-148-1100-A3W-ER
Page 6 of 7

Specialty Structural Engineering

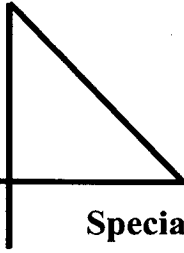
CBUCK, Inc. Florida Certificate of Authorization # 8064

Installation Method Englert, Inc.

“Series 1100” (0.032” Aluminum) Roof Panel Attached to Wood Deck



Typical Assembly Profile View



C-BUCK Engineering

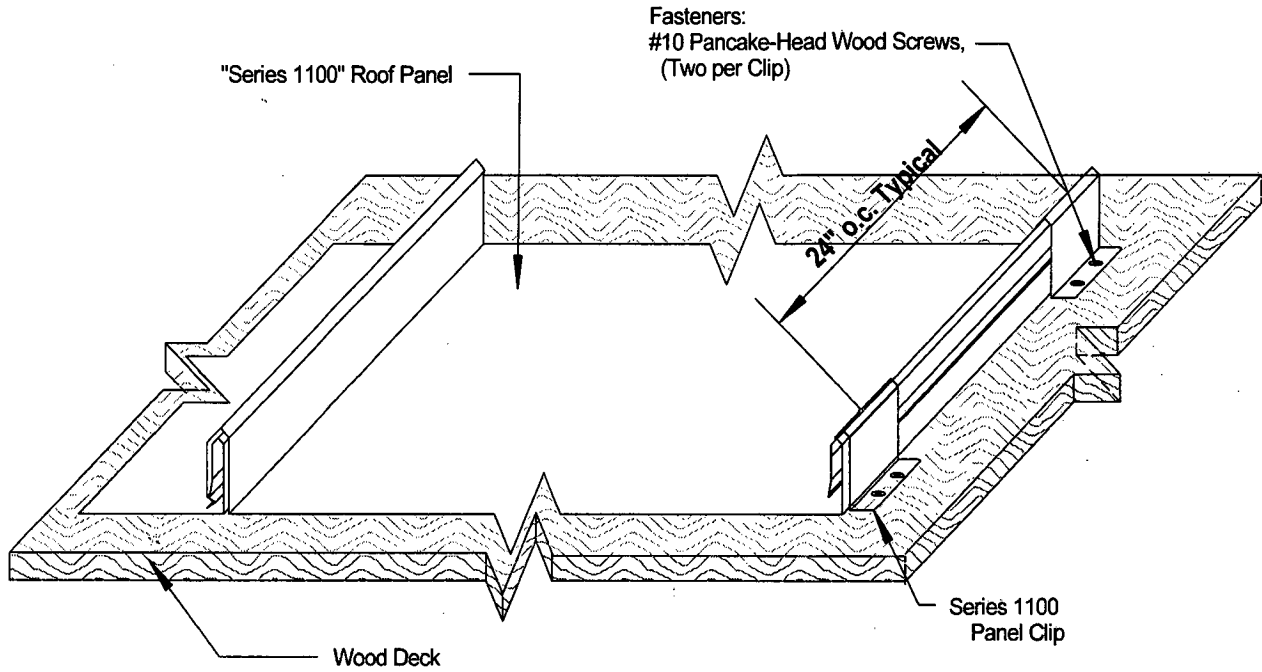
FL #: FL 11698.5
Date: 10 / 22 / 08
Report No.: 08-148-1100-A3W-ER
Page 7 of 7

Specialty Structural Engineering

CBUCK, Inc. Florida Certificate of Authorization # 8064

Installation Method Englert, Inc.

"Series 1100" (0.032" Aluminum) Roof Panel Attached to Wood Deck



Typical Assembly Isometric View

(Optional) Rigid Insulation Board, 3" maximum thickness and shall comply with FBC Section 1508, material standards shall comply with Table 1508.2.



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)

Johns Manville Corporation
717 17th Street
Denver, CO 80202

SCOPE:

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

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

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

DESCRIPTION: Johns Manville APP Modified Bitumen Roofing Systems Over Wood Decks

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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

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

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

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

This NOA renews NOA No. 03-0212.01 and consists of pages 1 through 16.
The submitted documentation was reviewed by Jorge L. Acebo

NOA No.: 06-0417.09
Expiration Date: 06/14/11
Approval Date:
Page 1 of 16

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: APP Modified Bitumen
Deck Type: Wood
Maximum Design Pressure -52.5 psf
Fire Classification: See General Limitation #1

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
JM APP Base	150 sq. ft. roll	ASTM D 5147	APP modified asphalt, fiberglass reinforced, smooth surfaced base sheet.
APPeX 4S	32.8' x 3.28'; 90 lb. roll	ASTM D 6222, type I, grade S	APP modified asphalt, polyester reinforced, smooth surfaced membrane.
*APPeX 4.5M	32.8' x 3.28'; 90 lb. roll	ASTM D 6222, type I grade G	APP modified asphalt, polyester reinforced, mineral surfaced membrane.
APPeX 4.5MFR	32.8' x 3.28'; 90 lb. roll	ASTM D 6222, type I grade G	APP modified asphalt, polyester reinforced, fire-retardant, mineral surfaced membrane.
APPeX 180	32.8' x 3.28'; 90 lb. roll	ASTM D 6222, type I, grade G	APP modified asphalt, polyester reinforced, smooth surfaced membrane.
Bicor MFR	39-3/8" x 34'	ASTM D 6223	APP modified asphalt, polyester / glass reinforced, granule surfaced membrane.
Tricor MFR	39-3/8" x 34'	ASTM D 6223	APP modified asphalt, polyester / glass reinforced, granule surfaced membrane.
Bicor S	39-3/8" x 34'	ASTM D 6223	APP modified asphalt, polyester / glass reinforced, smooth surfaced membrane.
Tricor S	39-3/8" x 34'	ASTM D 6223	APP modified asphalt, polyester / glass reinforced, smooth surfaced membrane.
*PermaPly 28	36' x 108'; 72 lb. roll	ASTM D 4601	Type II asphalt impregnated and coated glass fiber base sheet

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Ventsulation	36" x 36'	ASTM D 4897 Type II	Heavy duty fiber glass base sheet impregnated and coated on both sides with asphalt with or without fine mineral stabilizer.
JM Topgard Type B		ASTM D 1227	Fire rated, fibered, non-asbestos, clay water base asphalt emulsion.
JM Fibrated Aluminum Roof Coating		ASTM D 2824	Fire rated, fibered, non-asbestos aluminum coating.
JM Premium Fibered Aluminum Roof Coating		ASTM D 2824	Fire rated, fibered, non-asbestos asphalt aluminum coating.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
ENRGY 2, ENERGY 3, PSI-25	Isocyanurate Insulation.	Johns Manville
ENRGY 2 Composite	Polyisocyanurate insulation laminated to perlite.	Johns Manville
ENRGY 2 Plus	Polyisocyanurate insulation laminated to wood fiber.	Johns Manville
Fesco Foam, DuraFoam	Isocyanurate Insulation with perlite facer	Johns Manville
Retro-Fit Board, DuraBoard	A high-density perlite roof insulation.	Johns Manville
Fesco Board	Rigid perlite roof insulation board.	Johns Manville
Fiber Glass Roof Insulation	Fiberglas roof insulation.	Johns Manville
ACFoam II	Isocyanurate Insulation	Atlas Roofing Corp.
Wood Fiberboard	Regular wood fiber insulation	Generic
High Density Wood Fiberboard	High Density Wood Fiber insulation board.	Generic
Perlite Insulation Board	Perlite Insulation	Generic
Type X Gypsum	Gypsum Wallboard	Generic
XPS	Extruded polystyrene	Generic
Structodeck	High Density Wood Fiber insulation board.	Masonite

NOA No.: 06-0417.09
Expiration Date: 06/14/11
Approval Date:
Page 3 of 16

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	UltraFast	Insulation fastener for wood and steel.		Johns Manville
2.	UltraFast ASAP	Pre-assembled Insulation fastener and plate		Johns Manville
3.	UltraFast Metal Plate	Galvalume AZ55 steel plate	3" square & 3" round	Johns Manville
4.	Olympic Fastener #12 & #14	Insulation fastener		Olympic Mfg. Group
5.	Olympic Fastener ASAP	Pre-assembled Insulation fastener and plate		Olympic Mfg. Group
6.	Olympic G-2	Galvalume AZ55 steel plate	3.5" round	Olympic Mfg. Group
7.	Olympic Standard	Galvalume AZ50 steel plate	3" round	Olympic Mfg. Group
8.	Tru-Fast	Insulation fastener for steel and wood decks		The Tru-Fast Corp.
9.	Tru-Fast Plates	Galvalume AZ55 steel plate	3" round	The Tru-Fast Corp.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
Factory Mutual Research Corp.	J.I. 0X0A9.AM	Wind Uplift	03/25/94
	J.I. 0W6A2.AM	Wind Uplift	02/05/93
	J.I. 0X7A4.AM	Wind Uplift	08/26/93
	J.I. 3001482		08/11/98
	J.I. 3002823		04/01/99
	J.I. 3003468		02/02/00
	J.I. 3007148		04/19/00
	3009499	4470	04/04/01
	3011248	4470	11/01/02
	3012974	4450	06/03/02
Underwriters Laboratories, Inc.	R-10400	Published Annually	
Exterior Research & Design, LLC	#4361-2.04.97-1	TAS 114(J) - Wind Uplift	04/15/97
	10390A.12.97-1	TAS 114(J) - Wind Uplift	12/15/97
	10390A.10.97-1	TAS 114(J) - Wind Uplift	10/15/97
	10391.01.03	TAS 114(J) & TAS 117 (B)	01/29/03

NOA No.: 06-0417.09
 Expiration Date: 06/14/11
 Approval Date:
 Page 4 of 16

Membrane Type: APP
Deck Type II: Wood, Non-Insulated
Deck Description: ¹⁹/₃₂" or greater plywood or wood plank
System Type E: Base sheet mechanically fastened.

All General and System limitations apply.

'Base Sheet: *(Option #1)* One ply of JM APP Base, PermaPly 28, Glasbase Plus or Ventsulation mechanically fastened to the deck with JM UltraFast, Olympic or Tru-Fast metal plates and fasteners at a 4" side lap 12" o.c. and two rows staggered in the center of the sheet 18" o.c.
(Maximum Design Pressure -45 psf - See General Limitation #9.)
(Option #2) Minimum two plies of JM PermaPly 28 or Ventsulation simultaneously fastened to the deck lapped 4" and fastened with approved roofing nails and tin caps 9" o.c. at the lap and two rows staggered in the center of the sheet 12" o.c.
(Maximum Design Pressure -52.5 psf - See General Limitation #7.)
(Option #3) Minimum two plies of JM PermaPly 28 or Ventsulation simultaneously fastened to the deck with JM Ultrafast fasteners and Metal Plates spaced 9" o.c. in a 4" lap and 12" o.c. in two staggered rows in the center of the sheet.
(Maximum Design Pressure -52.5 psf - See General Limitation #7.)

Ply Sheet: (Optional) One or more plies of JM APP Base, APPEX 4S or APPEX 180 heat welded to base sheet.

Membrane: One or more plies of APPEX 4S, APPEX 180, APPEX 4.5M or APPEX 4.5 MFR heat welded.

Surfacing: (Optional) Install one of the following for all systems that do not achieve acceptable fire ratings through the use of FR membrane sheets.
1. 400 lb./sq. gravel or 300 lb./sq. slag in a flood coat of approved mopping asphalt at a rate of 60 lb./sq.
2. Karnak 97, Karnak 97 AF, Monsey Premium Long Life Aluminum Roof Coating Asbestos Free or Monsey Prograde Aluminum, JM Topgard Type A, Topgard Type B, JM Aluminum RF CT, Grundy AL MB aluminum coating at a rate of 1-1/2 gal/sq Monsey Aquabrite, Gardner asphalt emulsion, APOC Sunbright 400 or Henry 229 Aluminum Emulsion at 2½ gal/sq or APOC 212 Aluminum Roof Coating at 3 gal/sq.
3. Grundy 20 F asphalt emulsion, Endure Asphalt Emulsion, APOC 302 or 302 AF applied at 2½ gal/sq with optional 60 lbs./sq. of roofing granules embedded in wet coating.

Maximum Design Pressure: See Fastening Options Above

WOOD DECK SYSTEM LIMITATIONS:

1. A slip sheet is required with Ply 4 and Ply 6 when used as a mechanically fastened base or anchor sheet.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer.
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F^m) value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**

END OF THIS ACCEPTANCE

NOA No.: 06-0417.09
Expiration Date: 06/14/11
Approval Date:
Page 16 of 16

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection

 Mon

 Tue

 Wed

 Thur

 Fri

5-3-10

Page 1 of 2

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9379	BALFOUR			
1st	103 Hillcrest	UNDERGROUND ELECTRICAL	PASS	INSPECTOR <i>A</i>
9415	Freudenberg 115 N Sewalls PNC	Final ASPHALT PAVING	PASS	Close INSPECTOR <i>A</i>
9421	MacMillian 7 Marguerita Flynn's	Final AC	PASS	Close INSPECTOR <i>A</i>
9417	Brauns 8 Via Lucinda JA Taylor	sheathing	PASS	INSPECTOR <i>A</i>
9387	Julep Holdings 113 Hillcrest Sengale	insulation	PASS	INSPECTOR <i>A</i>
9381	TesteBO 104 N Sewalls Demorest	WINDOW/DOOR ROUGH FRAMING sheathing tie down	PASS PASS PASS	INSPECTOR <i>A</i>
Tree	Morales 10 N. Ridgeway	Tree branches	OK	INSPECTOR <i>A</i>

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection

 Mon

 Tue

 Wed

 Thur

 Fri

5-5

Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9381	Testebo 104 N Sewalls Demorest	plumbing rough electric rough mechanical rough interior framing	Pass ✓	INSPECTOR <i>[Signature]</i>
91486	Lerner 37 E High Pt OB	gas final	Pass	INSPECTOR <i>[Signature]</i>
9379	BALFOUR 103 HARLEST BALFOUR CONSD	SLAB	Fail Pass	NOT READY INSPECTOR
9388	SIARFI 73 N. SPY RD SMITHSON	WALL STEEL	Pass	INSPECTOR <i>[Signature]</i>
9417	Braune 8 S Via Luanda JA Taylor	dry-in	Pass	INSPECTOR <i>[Signature]</i>
9327	Woods (wall) 32 E High Pt Capital Auto.	Columns	Pass	INSPECTOR <i>[Signature]</i>
Tree Roberts	12 N. Ridgeway	Tree	OK	INSPECTOR <i>[Signature]</i>

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection

 Mon

 Tue

 Wed

 Thur

 Fri

5-7

Page 1 of

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9417	Braune	in-progress		
1030 PM	85 Via Lucinda JA Taylor	on metal panels	PASS	INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9416	Coles	Final AC	PASS	Close
1st	22 Palm Rd Nislin			INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9410	Harvey	Electric rough	PASS	
2nd	1 Ridgeland Ct OB	Plumbing rough Shower Pan	PASS	INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9428	Walker	Final		
	21 W High Pt	Garage floor		
	Scott Halmes			INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection: Mon Tue Wed Thur Fri 5-11-10 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9417	BRAUNE	ROOF FINAL		
	B S. VIA WUCINDIA		PASS	Close
	JA TAYLOR			INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9388	SPARF 1			
	23 N. SPRD	WALL STEEL	PASS	
	STRATICON			INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9411	H B ASSOC.			
	3736 S.E. OCEAN	FINAL	PASS	Close
	GARY RUEFANABEL			INSPECTOR <i>[Signature]</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR



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:	9511	DATE ISSUED:	JULY 15, 2010
SCOPE OF WORK:	HURRICANE SHUTTERS		
CONDITIONS:			
CONTRACTOR:	GULFSTREAM ALUMINUM		
PARCEL CONTROL NUMBER:	013841007-000-002806	SUBDIVISION	LUCINDIA - LOT 28
CONSTRUCTION ADDRESS:	8 S VIA LUCINDIA		
OWNER NAME:	BRAUNE		
QUALIFIER:	JOHN O'BRIEN	CONTACT PHONE NUMBER:	287-6476

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

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

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

REQUIRED INSPECTIONS

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

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

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

9511

Date: 7/21/10 Permit Number: 9511

OWNER/TITLEHOLDER NAME: PHILIP BRAUNE Phone (Day) 772-463-8482 (Fax) _____

Job Site Address: 8 Via Lucindia So. City: SEWALLS POINT State: FL Zip: 34996

Legal Description Lucindia Lot 28 Parcel Control Number: 01-38-41-007-000-C0280-6

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

Scope of work (please be specific): Shutters

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: \$ 2,797 =
(Notice of Commencement required when over \$2500 prior to first inspection, \$7,500 on HVAC change out)
Is subject property located in flood hazard area? VE10 ___ AE9 ___ AE8 ___ X ___
FOR ADDITIONS, REMODELS AND RE-ROOF APPLICATIONS ONLY:
Estimated Fair Market Value prior to improvement: \$ _____
(Fair Market Value of the Primary Structure only, Minus the land value)
PRIVATE APPRAISALS MUST BE SUBMITTED WITH PERMIT APPLICATION

CONTRACTOR/Company: Gulfstream Aluminum + Shutter Corp Phone: 287-6476 Fax: 287-9740

Street: 3001 SE Green Park Way City: Shutts State: FL Zip: 34997

State License Number: CRC 053017 OR: Municipality: _____ License Number: _____

LOCAL CONTACT: Brian Huse Phone Number: 287-6476

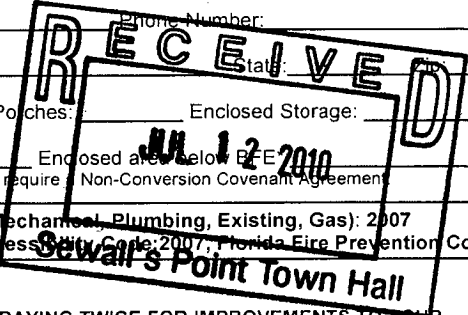
DESIGN PROFESSIONAL: N/A Lic# _____ Phone Number: _____

Street: _____ City: _____ State: _____

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

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

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



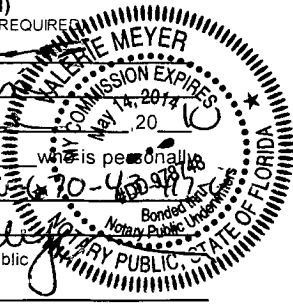
NOTICES TO OWNERS AND CONTRACTORS:

- 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.
- THERE ARE SOME PROPERTIES THAT MAY HAVE DEED RESTRICTIONS RECORDED UPON THEM. THESE RESTRICTIONS MAY LIMIT OR PROHIBIT THE WORK APPLIED FOR IN YOUR BUILDING PERMIT. IT IS YOUR RESPONSIBILITY TO DETERMINE IF YOUR PROPERTY IS ENCUMBERED BY ANY RESTRICTIONS. SOME RESTRICTIONS APPLICABLE TO THIS PROPERTY MAY BE FOUND IN THE PUBLIC RECORDS OF MARTIN COUNTY OR THE TOWN OF SEWALL'S POINT, THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.
- BUILDING PERMITS FOR SINGLE FAMILY RESIDENCES AND SUBSTANTIAL IMPROVEMENTS TO SINGLE FAMILY RESIDENCES ARE VALID FOR A PERIOD OF 24 MONTHS. RENEWAL FEES WILL BE ASSESSED AFTER 24 MONTHS PER TOWN ORDINANCE 50-95.
- THIS PERMIT WILL BECOME NULL AND VOID IF THE WORK AUTHORIZED BY THIS PERMIT IS NOT COMMENCED WITHIN 180 DAYS, OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AT ANY TIME AFTER THE WORK IS COMMENCED. ADDITIONAL FEES WILL BE ASSESSED ON ANY PERMIT THAT BECOMES NULL AND VOID. REF. FBC 2004 W/ 2006 REVISIONS SECT. 105.4.1, 105.4.1.1 - .5.

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

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

OWNER SIGNATURE: (required)
OR OWNERS LEGAL AUTHORIZED AGENT (PROOF REQUIRED)
Philip Braune
State of Florida, County of: Martin
This the 9th day of June, 2010
by Philip Braune who is personally
known to me or produced FDL#B650670-43977
as identification. Valerie Meyer
Notary Public



CONTRACTOR SIGNATURE: (required)
John L. O'Brien
On State of Florida, County of: Martin
This the 12th day of July, 2010
by John L. O'Brien who is personally
known to me or produced _____
as identification. Kevin R. King
My Commission Expires _____



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



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

Site Provided by...
governmentmax.com T1.11

Summary

print Address 2 of 2

Parcel Info

Parcel ID	Unit Address	Serial ID	Index Order	Commercial	Residential
01-38-41-007-000-00280-6	8 S VIA LUCINDIA	17713	Address	0	1

Summary

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

Summary
Property Location 8 S VIA LUCINDIA
Tax District 2200 Sewall's Point
Account # 17713
Land Use 101 0100 Single Family
Neighborhood 120350
Acres 0.347

Legal Description
Property Information
LUCINDIA LOT 28

Search By

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

Owner Information
Owner Information
BRAUNE, PHILIP
PICCOLO, VERONICA

Assessment Info
Front Ft. 0.00

Mail Information
8 VIA LUCINDIA DR S
STUART FL 34996

Market Land Value \$164,500
Market Impr Value \$81,760
Market Total Value \$246,260

Site Functions

Recent Sale
Sale Amount \$206,200

Sale Date 5/5/2001
Book/Page 1551 1073

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

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

Legal disclaimer / Privacy Statement

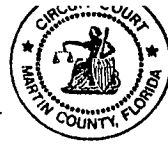
Data updated on 4/29/2010



INSTR # 2220945 DR BK 02464 PG 0528 RECD 07/08/2010 08:54:26 AM
Pg 0528 - 529: (2pgs)
MARSHA EWING MARTIN COUNTY DEPUTY CLERK C Oliver I

RETURN TO:
Gulfstream Aluminum & Shutter Corp.
3001 SE Gran Park Way
Stuart, FL 34997
772-287-6476
PERMIT NUMBER:

THIS IS TO CERTIFY THAT THE FOREGOING 4 PAGES IS A TRUE AND CORRECT COPY OF THE ORIGINAL MARSHA EWING, CLERK



BY: Carol D.C.
DATE: 07/08/10

NOTICE OF COMMENCEMENT

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

- 1. DESCRIPTION OF PROPERTY (Legal description and street address, if available) TAX FOLIO NUMBER: 01-38-41-007-000-00280-6
SUBDIVISION Sewalls Point BLOCK _____ TRACT _____ LOT 28 BLDG _____ UNIT _____
8 S. Via Lucinda Lot 28
- 2. GENERAL DESCRIPTION OF IMPROVEMENT: Hurricane Shutters
- 3. OWNER INFORMATION: a. Name Philip Braune
b. Address 8 Via Lucinda, Dave S., Stuart, FL 34996 c. Interest in property N/A
d. Name and address of fee simple titleholder (if other than Owner) _____
e. Interest in property N/A
- 4. CONTRACTOR'S NAME, ADDRESS AND PHONE NUMBER: Gulfstream Aluminum + Shutter Corp.
3001 SE Gran Park Way Stuart FL 34997 (772) 287-6476
- 5. SURETY'S NAME, ADDRESS AND PHONE NUMBER AND BOND AMOUNT: N/A
- 6. LENDER'S NAME, ADDRESS AND PHONE NUMBER: N/A
- 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: N/A
- 8. In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes:
NAME, ADDRESS AND PHONE NUMBER: N/A
- 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__

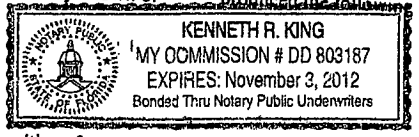
WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED 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.

X Philip Braune
Signature of Owner or
Owner's Authorized Officer/Director/Partner/Manager
State of Florida
County of Martin

X Philip Braune
Print Name and Provide Signatory's Title/Office

The foregoing instrument was acknowledged before me this 7th day of July, 2010
X By Philip Braune as owner
Print (name of person) (type of authority,....e.g. officer, trustee, attorney in fact)
For (name of party on behalf of whom instrument was executed)

Personally known or produced the following type of identification:



Kenneth R. King
(Signature of Notary Public)

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

Signature(s) of Owner(s) or Owner(s)' Authorized Officer/ Director / Partner/Manager who signed above:
X By Philip Braune X By Philip Braune
Print



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

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
2007 FBC
- 1 Copy **Prior to the final inspection**; an impact installation affidavit must be submitted.



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

SHUTTER SCHEDULE

I.D. NO.	APPOX OPENING SIZE (WXH)	APPOX SHUTTER WIDTH	APPOX HEIGHT	# OF STORM BARS REQ'D	ANCHOR SPACING	# OF WINDOW BARS EACH SIDE	HEADER REINF. REQ'D YES/NO	REMARKS
	37"X63"	45"	71"	N/A	12" ^{TOP} 12" ^{BASE}	N/A	NO	EXAMPLE
T 1	40x84	43.25	92	N/A	12 / 10.5	N/A	NO	SP050
2	31x51	37.25	59		6"			
3	"		"					
4	"		"					
5	"		"					
6	74x39	78.625	47					
7	27x51	33	59	N/A	12"	N/A	NO	AC
8	27x27	31.25	35		6"			SP050
9	37x51	37.25	59		6"			
T 10	121x80	126	89		12 / 10.5			
11	37x39	37.25	47		6"			
12	54x64	55.25	72					
13	"	55.25	72					
14	37x51	37.25	59					
15	"	37.25	"					
16	~							
17	106x63	108.25	71		6"			SP050
18								
19								
20								
21								
22								
23								
24								
25								

FILE COPY
TOWN OF SEWALL'S POINT
 THESE PLANS HAVE BEEN
 REVIEWED FOR CODE COMPLIANCE
 DATE 2-7-10

BUILDING OFFICIAL



ORDER FORM

Name Vernonia Piccolo & Philip Brown Date 6/4/2010
 Address 8 Via Lucinda Subdivision Sewalls Point
 City Sewalls Point State FL Zip _____
 Phone (Home) 772 463 4482 (Work) _____ Approximate Installation 8 weeks

- Key**
 Storm Panels - SP
 Accordions - AC
 Bahamas - BA
 Colonial - CO
 Rollups - RU
 Lexan - LX
 Garage Brace - GB
- Application Key**
 Wood - W
 Block - B
 Stucco Over - SO

OPG #	TYPE	OPENING WIDTH	OPENING HEIGHT	TRACK COLOR	COLOR PANEL/SLAT	GAUGE	STACK R/L	LOCK I/O	REMOVABLE TRACKS	BUILD OUT	MOTOR/CRANK	STORM BARS	APPLICATION	FLOOR
1	SP	40	84	white	Alum.	050	2" H SA		✓				B	1st
2	DMSp	37	51											
3	DMSp	37	51											
4	DMSp	37	51											
5	DMSp	37	51											
6	DMSp	74	39											
7	AC	27	51	white	white	HV		I	yes	INSIDE LOCK				
8	DMSp	27	27		Alum	050								
9	DMSp	37	51			050								
10	SP	124	80	white	Alum	050	2" H SA		✓					
11	DMSp	37	39											
12	DMSp	54	64											
13	DMSp	54	64											
14	DM.SP	37	51											
15	DMSp	37	51											
17	DMSp	106	63											

2797.00
 DEPOSIT 50% 930.00
 BALANCE ON COMPLETION 1867.00

It is understood that there are no verbal agreements and all items discussed are covered by this written contract. This is a proposal until signed by an officer of the corporation at which time it becomes an executed contract. Acceptance by owner must be within 30 days of proposal date. Buyer may cancel this contract within 3 working days after signing. No changes in measurements will be allowed except at prices mutually agreed upon, at the time these changes are made. Any physical or verbal changes after signing must be approved in writing by both parties. All agreements are contingent upon strikes, lockouts, accidents, acts of God, weather, fire, carrier delays, delay or failure to receive raw material deliveries, or by other causes, whether of like or different nature beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance. All material is property of Gulfstream until final payment and can be removed if not paid.

Electric: Buyer agrees that any necessary electrical connections will be made at the closest source of power. Any changes or variations will be an additional charge.

DO NOT SIGN THIS CONTRACT UNTIL YOU HAVE READ ALL CONDITIONS OF THIS AGREEMENT

Interest - Buyer agrees to pay a 1 1/2 % per month interest charge on any unpaid balances. **Costs of Collection** - Buyer agrees to be responsible for seller's attorney's fees (both trial and appeal) and all other costs of collection in the event full payment as outlined herein is not made within 10 days of the completion of the work outlined herein. **Acceptance of Proposal** - The above prices, specifications and conditions are satisfactory and hereby accepted. You are authorized to do the work as specified. Cancellation Fee 20% of contract. Payment will be made as outlined above.

Signature Philip Brown Date 6/4/2010 Salesperson Kevin A. Green Date 6/4/2010
 Gulfstream Aluminum and Shutter Corp.

5 YEAR GUARANTEE



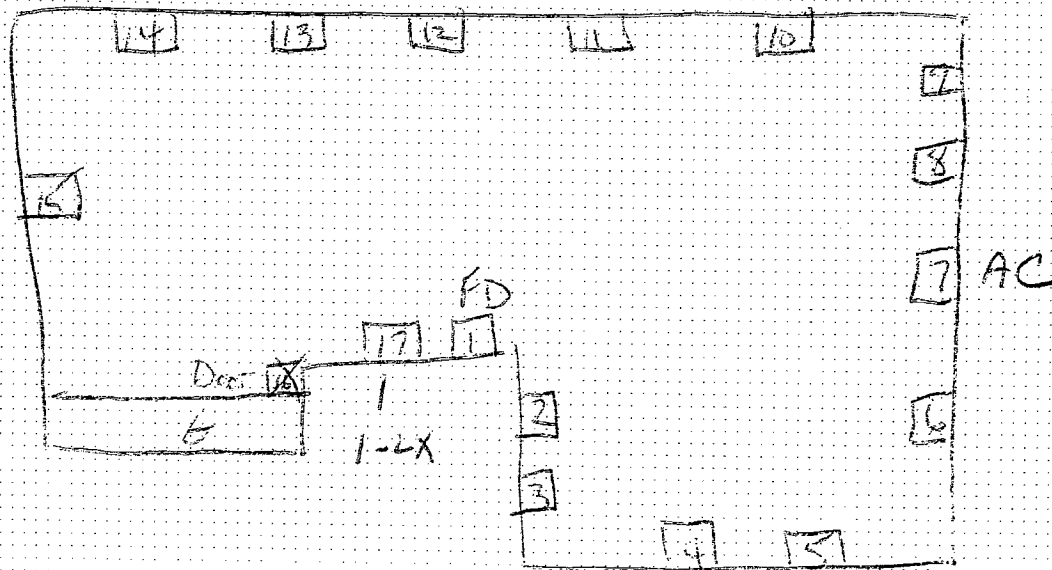
Do It Once. Do It Right.
Since 1979

3001 S.E. Gran Park Way, Stuart, Florida 34997
(772) 287-6476 • (800) 244-4143
FAX (772) 287-9740
E-Mail: jobrien@gulfshutters.com
www.gulfshutters.com
Lic. #MC00231, SL 1211, PB# U-17051, CRC58017

Key	
Storm Panels - SP	Rollups - RU
Accordions - AC	Windows/Doors - WD
Bahamas - BA	Retractable Awnings - RA
Colonials - CO	Ultra Lattice - UL

LAYOUT SHEET

Piccolo / Braune
1 LX Panel



Special Instructions:

Permit Included

*Customer to remove Door Shutter on # 7
Customer to determine what type of Door they would like to use*

Signature *Step Braune*

Date *6/4/2010*

Salesperson

Kevin Stefan
Gulfstream Aluminum and Shutter Corp.

Date

6/4/2010



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Eastern Metal Supply, Inc.
4268 Westroads Dr.
West Palm Beach, Florida 33407

SCOPE:

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

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

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

DESCRIPTION: 0.050" Solid Bertha Aluminum Storm Panels Shutter

APPROVAL DOCUMENT: Drawing No. 05-078, titled "0.050" Bertha Aluminum Storm Panel", sheets 1 through 15 of 15, and 1A of 15, prepared by Tilteco, Inc., dated 04/28/2005, last revision #1 dated 04/28/2005, signed and sealed by Walter A. Tillit Jr., P.E. on 09/15/2005, bearing Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA renews NOA # 05-0926.03 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, & E-4 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



Helmy A. Makar
07/31/2008

NOA No. 08-0623.06
Expiration Date: 08/07/2013
Approval Date: 07/31/2008
Page 1

Eastern Metal Supply, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #96-1203.08

A. DRAWINGS

1. *Drawing Number 96-331, Eastern Metal Supply, Inc., 0.050" Bertha Storm Panel, sheets 1 through 8 of 8, prepared by Tilteco, Inc., revision 2, dated 07/15/97 signed and sealed by Walter A. Tillit Jr., P.E.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test on 0.050" aluminum storm panels, prepared by American Test Lab of South Florida, Test Report No. ATL #1022.01-96 dated 11/08/96, signed and sealed by William R. Mehner, P.E.*

C. CALCULATIONS

1. *Comparative Analysis and Anchor Analysis, dated 10/21/96, pages 1 through 15, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.*
2. *Calculations for revised anchor schedule, dated 05/02/97, pages 1 through 33, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.*

D. MATERIAL CERTIFICATIONS

1. *Mill Certified Inspection Report of coils, dated 01/23/96, for Aluminum Alloy 5052-H32 by Barmet Aluminum Corporation with chemical composition and physical properties.*
2. *Certified Tensile Test Report by Certified Testing Laboratories Report No. CTL #846B dated 10/31/96, for Aluminum Alloy, signed and sealed by Ramesh Patel, P.E.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #98-0817.16

A. DRAWINGS

1. *Drawing No. 98-172, titled "0.050" Bertha Storm Panel", prepared by Tilteco, Inc., dated July 7, 1998, last revision #1 dated July 7, 1998, sheets 1 through 8 of 8, signed and sealed by Walter A. Tillit Jr., P.E.*

B. TESTS

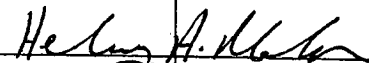
1. *None.*

C. CALCULATIONS

1. *None.*

D. MATERIAL CERTIFICATIONS

1. *Mill Certified Test Report issued by Nichols Aluminum dated 05/28/98, with chemical composition and mechanical properties of the 3004-H34 Aluminum Alloy panel.*



Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 08-0623.06
Expiration Date: 08/07/2013
Approval Date: 07/31/2008

Eastern Metal Supply, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #00-0602.04

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. MATERIAL CERTIFICATIONS

1. None.

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #01-0516.06

A. DRAWINGS

1. Drawing No. 01-058, titled "0.050" Solid Bertha Aluminum Storm Panel", sheets 1 through 15 of 15, prepared by Tilteco, Inc., dated August 27, 2001, signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, per SFBC PA 202-94
2) Large Missile Impact Test per SFBC, PA 201-94
3) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with marked-up drawings and installation diagram of 0.050" Solid Aluminum Storm Panels Shutter, prepared by ATL of South Florida, Test Report No. 0221.01-01, dated 05/02/01, signed and sealed by Henry Hattem, P.E.
2. Addendum to ATL of South Florida, Test Report No. 0221.01-01, dated 10/12/01, signed and sealed by Henry Hattem, P.E.
3. Addendum to ATL of South Florida, Test Report No. 0221.01-01, dated 02/04/02, signed and sealed by Henry Hattem, P.E.

C. CALCULATIONS

1. Anchor Analysis, dated 09/10/01, pages 1 through 53, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.

D. MATERIAL CERTIFICATIONS

1. Mill Certified Inspection Report of coils, dated 04/24/01, for Aluminum Alloy 3004 -H34 by NA Nichols Aluminum with chemical composition and physical properties.
2. Certified Tensile Test Report by QC Metallurgical, Inc., Report No. 1CM-384, dated 03/26/01, signed and sealed by Frank Grate, P.E.



Henry A. Makar, P.E., M.S.

Product Control Examiner

NOA No. 08-0623.06

Expiration Date: 08/07/2013

Approval Date: 07/31/2008

Eastern Metal Supply, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 03-0707.02

A. DRAWINGS

1. *Drawing No. 03-141, titled "0.050" Solid Bertha Aluminum Storm Panel", sheets 1 through 15 of 15, prepared by Tilteco, Inc., dated July 02, 2003, last revision #1 dated July 02, 2003, signed and sealed by Walter A. Tillit Jr., P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. MATERIAL CERTIFICATIONS

1. *None.*

E. OTHERS

1. *Letter from Tilteco, Inc., dated July 03, 2003, signed and sealed by Walter A. Tillit Jr., P.E., stating that the only change from the previous approved drawing # 01-058 are the general notes #1 & #11 to reference the Florida Building Code and the ASCE 7-98*

6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 05-0926.03

A. DRAWINGS

1. *Drawing No. 05-073, titled "0.030" Thick Galvanized Bertha Steel Storm Panel", sheets 1 through 9 of 9, and 1A of 9, prepared by Tilteco, Inc., dated 04/25/2005, last revision #1 dated 04/25/2005 signed and sealed by Walter A. Tillit Jr., P.E. on 09/15/2005*

B. TESTS

1. *Test report on Large Missile Impact Test and Cyclic Wind Pressure Test of Galvanized Steel Storm Panels, prepared by American Test Lab of South Florida, Report No. ATLSF 0616.01-05, dated September 15, 2005, signed and sealed by William R. Mehner, P.E.*

C. CALCULATIONS

1. *Storm panel shutter Calculations, sheets 1 through 91 by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E. on 09/13/2005.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *Tensile Test Report from QC Metallurgical, Inc., Job No. 51M-926, dated September 20, 2005, tested per ASTM E8-93, signed and sealed by Frank Grate, P.E.*



Henry A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 08-0623.06
Expiration Date: 08/07/2013
Approval Date: 07/31/2008

Eastern Metal Supply, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

7. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

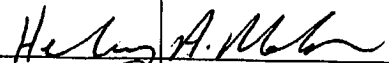
1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.

Product Control Examiner

NOA No. 08-0623.06

Expiration Date: 08/07/2013

Approval Date: 07/31/2008

GENERAL NOTES:

1. STORM PANEL SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2004 EDITION OF THE FLORIDA BUILDING CODE. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, FOR A BASIC WIND SPEED AS REQUIRED BY THE JURISDICTION WHERE STORM PANEL WILL BE INSTALLED, AND FOR A DIRECTIONALITY FACTOR $K_d=0.85$, IN ACCORDANCE WITH ASCE 7-98 STANDARD. 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. A DURATION FACTOR $CD=1.60$ WAS USED FOR VERIFICATION OF FASTENERS IN WOOD.

STORM PANEL'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 # 1022.01-01, # 0221.01 AND # 0616.02-05, AS PROTOCOLS TAS-201, TAS-202 AND TAS-203.

2. ALL ALUMINUM SHEET METAL PANELS SHALL HAVE 5052-H32 OR 3004-H34 ALLOY.

3. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY & TEMPER UNLESS OTHERWISE NOTED.

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

5. BOLTS TO BE ASTM A-307 GALVANIZED STEEL OR AISI 304 SERIES STAINLESS STEEL, WITH 35 ksi MINIMUM YIELD STRENGTH.

6. ANCHORS TO WALL SHALL BE AS FOLLOWS: (UNLESS OTHERWISE NOTED)

(A) TO EXISTING POURED CONCRETE:

- 1/4" ϕ TAPCON ANCHORS AS MANUFACTURED BY I.T.W. BUILDEX. (REGULAR OR 410 S.S.)
- 1/4" ϕ CRETE-FLEX SS4 ANCHORS AS MANUFACTURED BY ELCO TEXTRON.
- 1/4" ϕ CF TAP-GRIP ANCHORS (BERTHA STUD-CON), AS MANUFACTURED BY TRU-FAST CORPORATION.
- 1/4" ϕ ZAMAC NAILIN ANCHORS AS MANUFACTURED BY POWER FASTENERS, INC.
- 1/4" ϕ x 7/8" CALK-IN ANCHORS OR ELCO male & female "PANELMATE" AS MANUFACTURED BY POWER FASTENERS, INC. AND ELCO TEXTRON, RESPECTIVELY.
- 1/4" ϕ x 3/4" ALL POINTS SOLID-SET ANCHORS AS DISTRIBUTED BY ALL POINTS SCREW, BOLT & SPECIALTY COMPANY.

NOTES:

A.1) MINIMUM EMBEDMENT INTO POURED CONCRETE OF TAPCON ANCHORS OR CRETE-FLEX SS4 IS 1 3/4", FOR ZAMAC NAILIN ANCHORS IS 1 3/8", FOR ELCO PANELMATE ANCHORS IS 1 3/4", AND FOR CF TAP-GRIP ANCHORS IS 1 1/4".

A.2) 7/8" CALK-IN ANCHORS SHALL BE ENTIRELY EMBEDDED INTO THE POURED CONCRETE. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4" ϕ -20 SCREWS USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST, AND 1" MINIMUM FOR WALLS WITH NO STUCCO.

A.3) MINIMUM EMBEDMENT OF 1/4" ϕ x 3/4" ALL POINTS SOLID-SET ANCHORS SHALL BE 7/8" INTO THE POURED CONCRETE. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4" ϕ -20 S.S. MACHINE SCREW USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST, AND 1" MINIMUM FOR WALLS WITH NO STUCCO.

A.4) 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" ϕ TAPCON ANCHORS AS MANUFACTURED BY I.T.W. BUILDEX. (REGULAR OR 410 S.S.)
- 1/4" ϕ CRETE-FLEX SS4 ANCHORS AS MANUFACTURED BY ELCO TEXTRON.
- 1/4" ϕ CF TAP-GRIP ANCHORS (BERTHA STUD-CON), AS MANUFACTURED BY TRU-FAST CORPORATION.
- 1/4" ϕ ZAMAC NAILIN ANCHORS AS MANUFACTURED BY POWER FASTENERS, INC.
- 1/4" ϕ x 7/8" CALK-IN ANCHORS OR ELCO male & female "PANELMATE" AS MANUFACTURED BY POWER FASTENERS, INC. AND ELCO TEXTRON, RESPECTIVELY.
- 1/4" ϕ x 3/4" ALL POINTS SOLID-SET ANCHORS AS DISTRIBUTED BY ALL POINTS SCREW, BOLT & SPECIALTY COMPANY.

NOTES:

B.1) MINIMUM EMBEDMENT OF TAPCON, ELCO PANELMATE, CF TAP-GRIP AND CRETE-FLEX SS4 ANCHORS INTO CONCRETE BLOCK UNIT SHALL BE 1 1/4", 1 3/8" FOR ZAMAC NAILIN ANCHORS.

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" ϕ -20 SCREWS USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST, AND 1" MINIMUM FOR WALLS WITH NO STUCCO.

B.3) MINIMUM EMBEDMENT OF 1/4" ϕ x 3/4" ALL POINTS SOLID-SET ANCHORS SHALL BE 7/8" INTO THE CONCRETE BLOCK. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4" ϕ -20 S.S. MACHINE SCREW USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST, AND 1" MINIMUM FOR WALLS WITH NO STUCCO.

B.4) 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 IN B.1) AND B.2) ABOVE.

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

7. PANELS MAY ALSO BE INSTALLED HORIZONTALLY FOLLOWING INSTALLATION DETAILS SHOWN ON SECTIONS 1 THRU 16 (SHEET 3 & 7 OF 15) EXCEPT THAT HEADERS 2, 3 & 4 SHALL NOT BE USED.

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. THIS SHUTTER SHALL ONLY BE ATTACHED TO CONCRETE, BLOCK OR WOOD FRAME BUILDINGS.

9. 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.

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

11. (a) THIS PRODUCT APPROVAL DOCUMENT (P.A.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.A.D.

(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS P.A.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 PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.

(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.A.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.


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

12. SHUTTER MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY AND VISIBLE LOCATION AT PANEL. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABEL SHALL READ AS FOLLOWS:
EASTERN METAL SUPPLY, INC.
WEST PALM BEACH, FL.
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

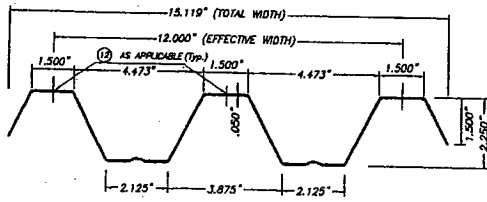
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 08-0627-06
Expiration Date 08/07/2013
By *Walter A. Tilt, Jr.*
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 05-9926-03
Expiration Date 08/07/2008
By *Walter A. Tilt, Jr.*
Miami Dade Product Control
Division

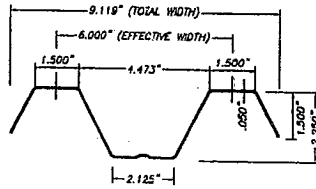
F.B.C.(High Velocity Hurricane Zone)

 TILLIT TESTING & ENGINEERING COMPANY 6555 N.W. 26th St., Ste. 300, Miramar, CA 33146 Phone: (305)871-1530, Fax: (305)871-1531 89-0006719 WALTER A. TILIT, JR., P. E. FLORIDA Lic. # 44167		0.050" BERTHA ALUMINUM STORM PANEL		L.G. DRAWN BY:	
		EASTERN METAL SUPPLY, INC. 4288 WESTROADS DR. WEST PALM BEACH, FL 33407		4/28/05 DATE	
		05-078 DRAWING No		SHEET 1 OF 15	
REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	OLD 03-141	4/28/05	1		
2			2		

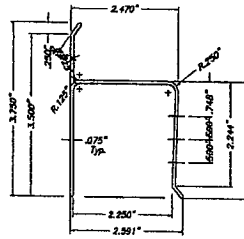
SEP 15 2005



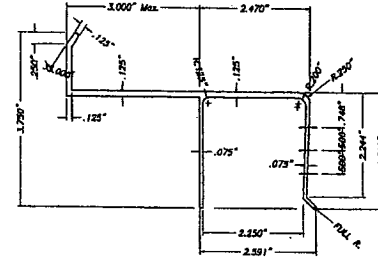
① ALUMINUM PANEL
SCALE: 1/4" = 1"



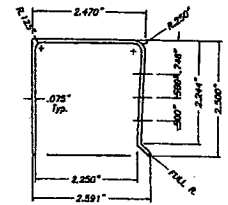
①A ALUMINUM HALF PANEL
SCALE: 1/4" = 1"



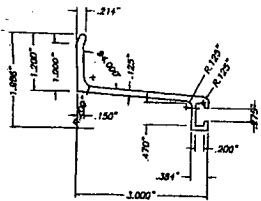
② "h" HEADER
SCALE: 3/8" = 1"



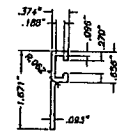
③ 3" Max. "U" BUILD OUT
SCALE: 3/8" = 1"



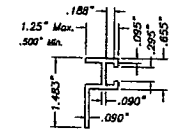
④ "U" HEADER
SCALE: 3/8" = 1"



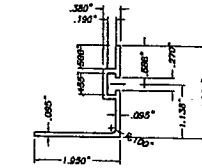
⑤ 3" ANGLE BUILD OUT BRACKET
SCALE: 3/8" = 1"



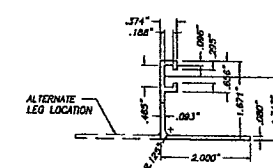
⑥ "F" TRACK
SCALE: 3/8" = 1"



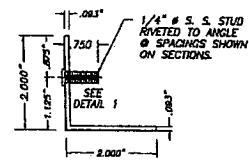
⑥A 1 1/4" MAX. B. O. "F" TRACK
SCALE: 3/8" = 1"



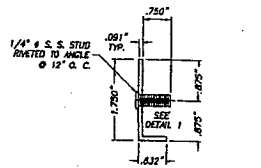
⑦ REVERSED "F" ANGLE TRACK
SCALE: 3/8" = 1"



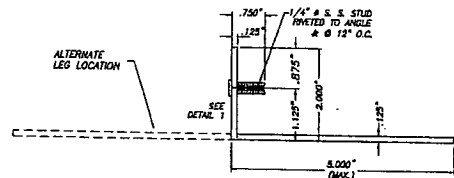
⑧ "F" TRACK ANGLE
SCALE: 3/8" = 1"



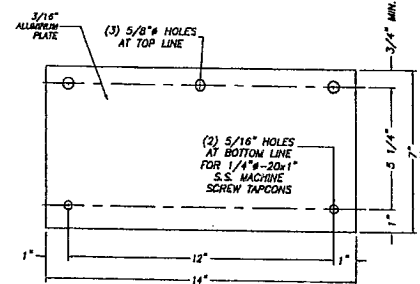
⑨ STUDDED ANGLE
6063-T5 ALUM. ALLOY
SCALE: 3/8" = 1"



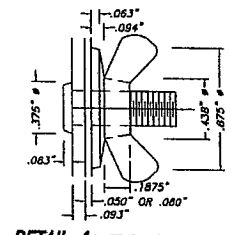
⑨A MINI WALL 1.75" x 0.632" ANGLE WITH STUD
SCALE: 1/2" = 1"



⑩ 2"x5"(MAX.)x1/8" ANGLE WITH STUD
SCALE: 3/8" = 1"

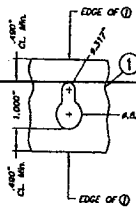


⑪ 3/16"x7"x14" LONG WALL PLATE
SCALE: 3/16" = 1"

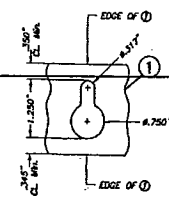


DETAIL 1: STUD W/ DIE CAST ZINC NICKEL PLATED WING NUT

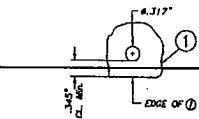
PRODUCT REVIEWED as complying with the Florida Building Code Acceptance No. 08-0623-06 Expiration Date 08/07/2013 By *Heather A. Miller* Miami Dade Product Control Division



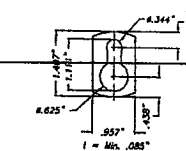
OPTION 1



OPTION 2



⑫A ROUND HOLE AT PANEL (OPTION TO 12)



⑬ KEY HOLE WASHER 3105-11154 ALUM. ALLOY SCALE: 3/8" = 1"

⑫ KEY HOLE AT PANEL

COMPONENTS

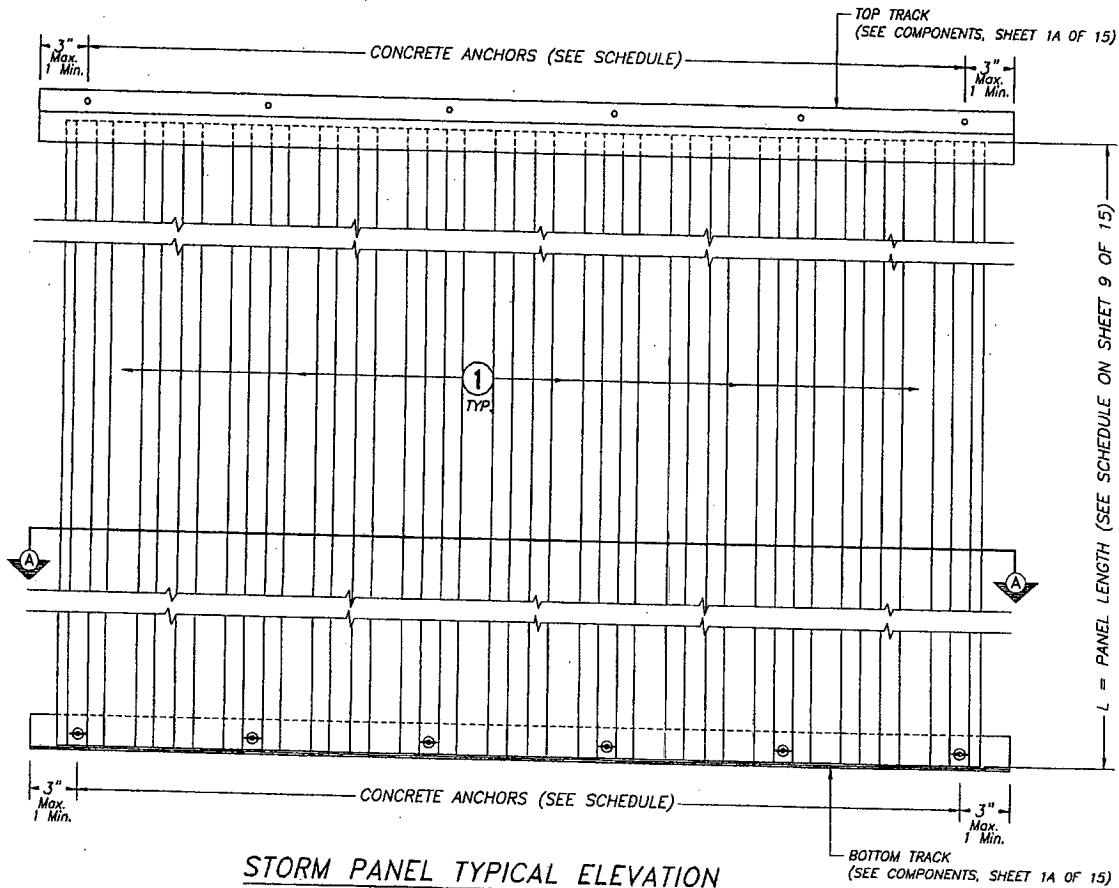
SEP 15 2005

TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
4335 N.W. 36th St., Ste. 205, VERO BEACH, FL 33164
Phone: (305) 971-1830 Fax: (305) 971-1831
EB-006719
WALTER A. TILLIT JR., P. E.
FLORIDA LIC. # 44187

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

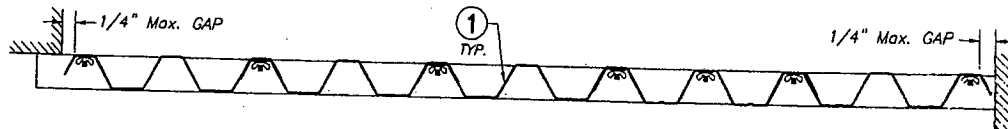
0.050" BERTHA ALUMINUM STORM PANEL		L.G. DRAWN BY:
EASTERN METAL SUPPLY, INC.		4/28/05 DATE
4268 WESTSTRADS DR. WEST PALM BEACH, FL 33407		05-078 DRAWING No
REV. NO	DESCRIPTION	DATE
1	OLD 03-141	4/28/05
2		
3		

SHEET 1A OF 15



STORM PANEL TYPICAL ELEVATION

SCALE : 1/8" = 1"



SECTION A-A

SCALE : 1/8" = 1"

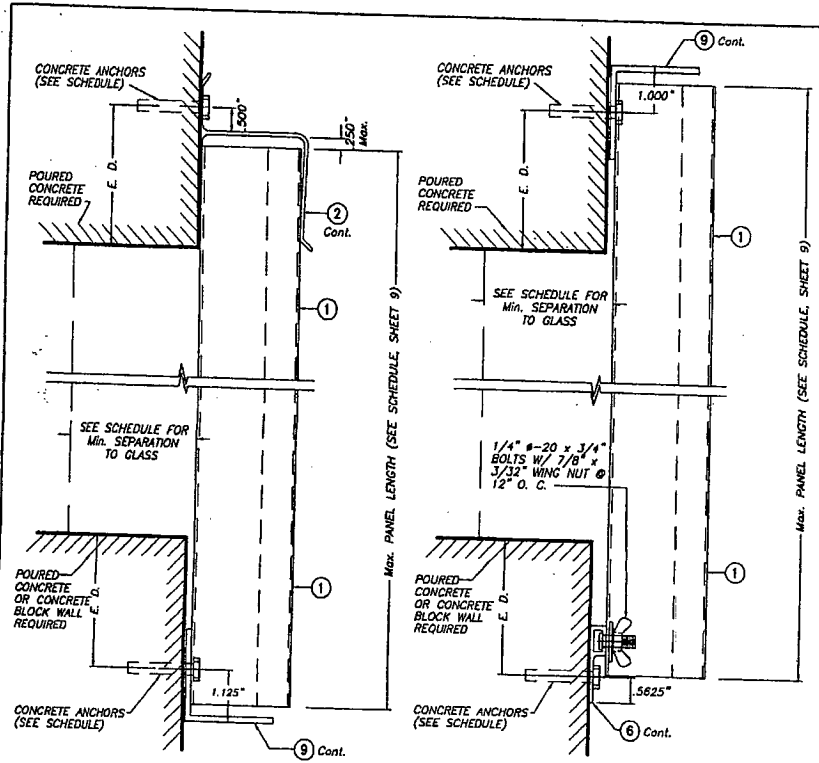
PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 08-0623-06
 Expiration Date 08/07/2013
 By *Walter A. Tillit*
 Miami Dade Product Control
 Division

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 05-0926-03
 Expiration Date 08/07/2008
 By *Walter A. Tillit*
 Miami Dade Product Control
 Division

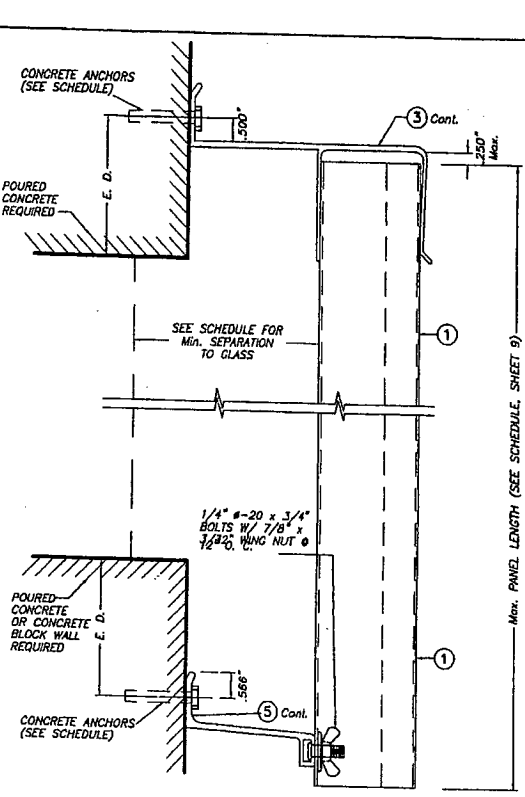
F.B.C.(High Velocity Hurricane Zone)

<p>TILLIT TESTING & ENGINEERING COMPANY 4335 NW 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 Fax : (305)871-1531 EB-0008719 WALTER A. TILLIT JR., P. E. FLORIDA Lic. # 44187</p>		<p>0.050" BERTHA ALUMINUM STORM PANEL</p> <p>EASTERN METAL SUPPLY, INC. 4288 WESTROADS DR. WEST PALM BEACH, FL 33407</p>		<p>L.C. DRAWN BY:</p> <p>4/28/05 DATE</p> <p>05-078 DRAWING No</p>	
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 03-141	4/28/05	1	-	-
2	-	-	2	-	-

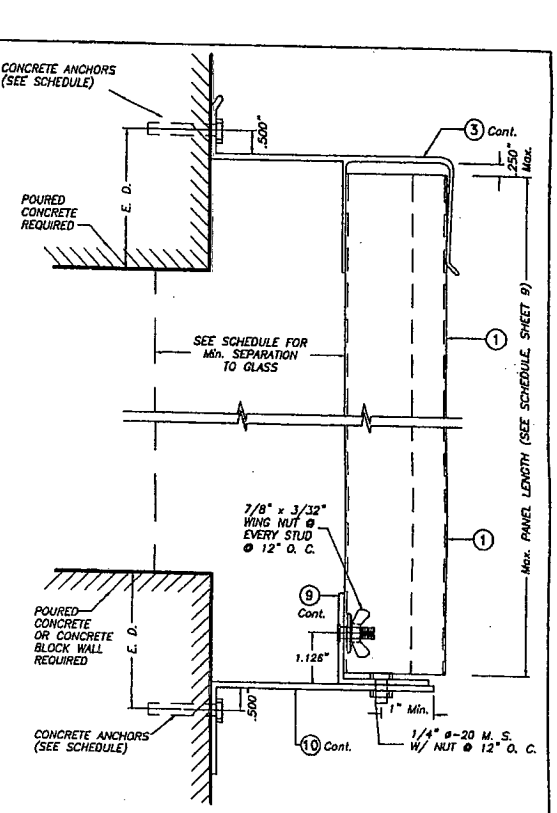
SEP 16 2005



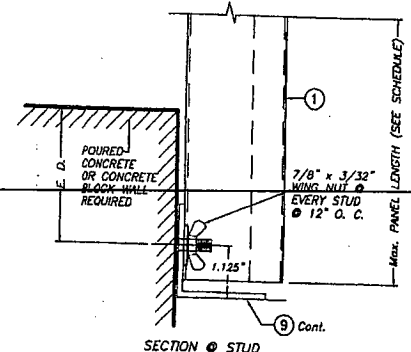
WALL MOUNTING INSTALLATION
SECTION 2 SCALE: 3/8" = 1"



BUILD OUT INSTALLATION
SECTION 3 SCALE: 3/8" = 1"



BUILD OUT INSTALLATION
SECTION 4 SCALE: 3/8" = 1"



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

NOTE: DETAIL OF SECTION 1 STUD VALID ALSO FOR WALL MOUNTING INSTALLATION - SECTION 2 (TOP)

E. D. = EDGE DISTANCE
 (SEE SCHEDULE ON SHEETS 10 & 11 OF 15)

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

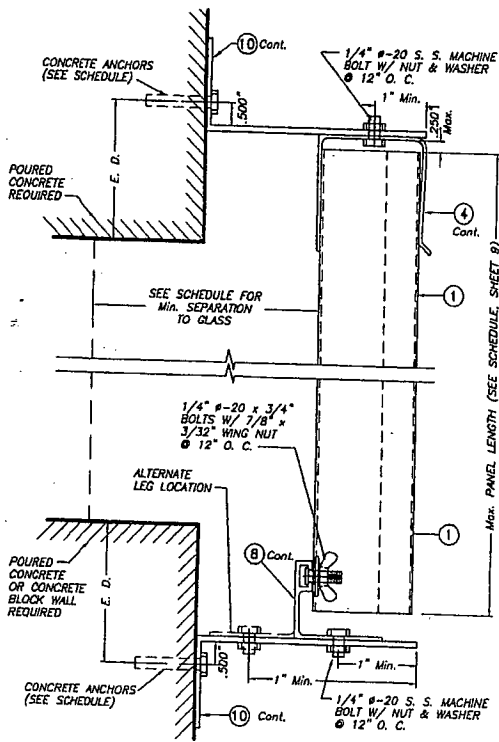
PRODUCT REVISIED
 as complying with the Florida Building Code
 Reference No. **05-0926.03**
 Expiration Date **08/07/2008**
 By *Walter A. Tillit Jr.*
 Miami Dade Product Control Division

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

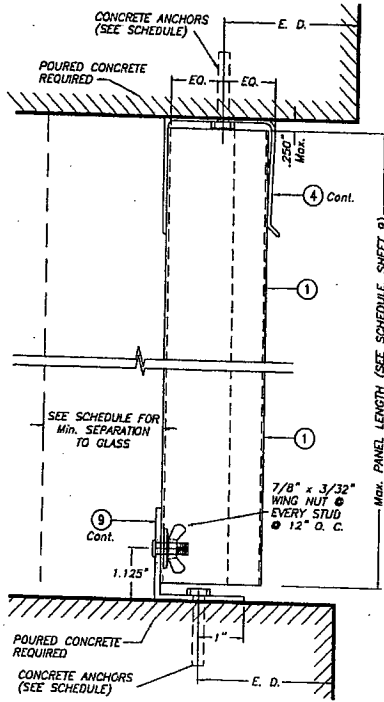
TILTECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6353 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
 Phone: (305)971-1830 Fax: (305)971-1831
 EB-0006719
 WALTER A. TILLIT JR., P. E.
 FLORIDA Lic. # 41167

0.050" BERTHA ALUMINUM STORM PANEL		L.G. DRAWN BY:	
EASTERN METAL SUPPLY, INC.		4/28/05 DATE	
4268 WESTROADS DR. WEST PALM BEACH, FL 33407		05-078 DRAWING No	
REV. NO	DESCRIPTION	DATE	REV. No
1	GLD 03-141	4/28/05	3
2			
			SHEET 3 OF 15

SEP 15 2005

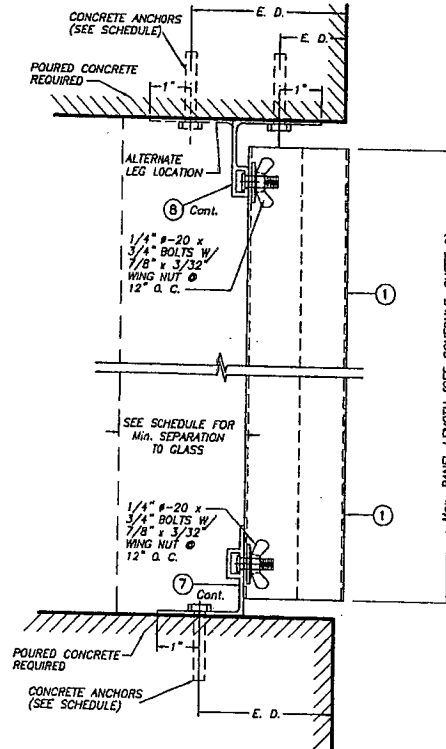


BUILD OUT INSTALLATION
- SECTION 5 SCALE: 3/8" = 1"



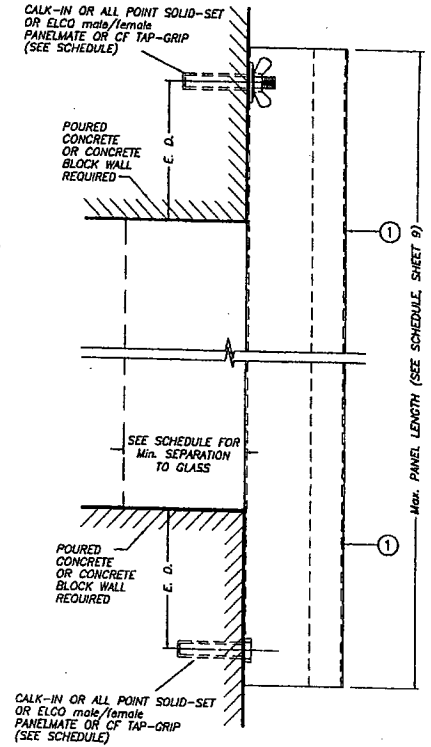
CEILING & FLOOR MOUNTING
INSTALLATION - SECTION 6

SCALE: 3/8" = 1"



CEILING & FLOOR MOUNTING
INSTALLATION - SECTION 7

SCALE: 3/8" = 1"



WALL MOUNTING INSTALLATION (D. M.)
- SECTION 8

SCALE: 3/8" = 1"

E. D. = EDGE DISTANCE
(SEE SCHEDULE ON
SHEETS 10 & 11 OF 15)

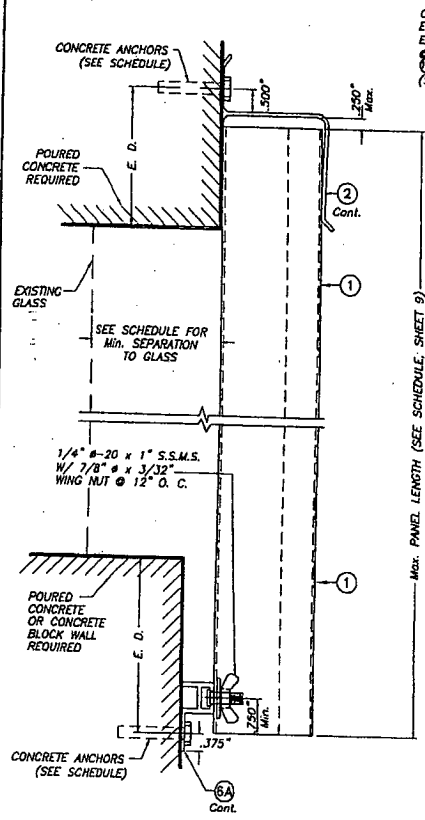
NOTE FOR COMBINATION OF SECTIONS:
WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE
COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 08-0623.06
Expiration Date: 08/27/2013
By: *Walter A. Tillit Jr.*
Initial State Product Control
Division

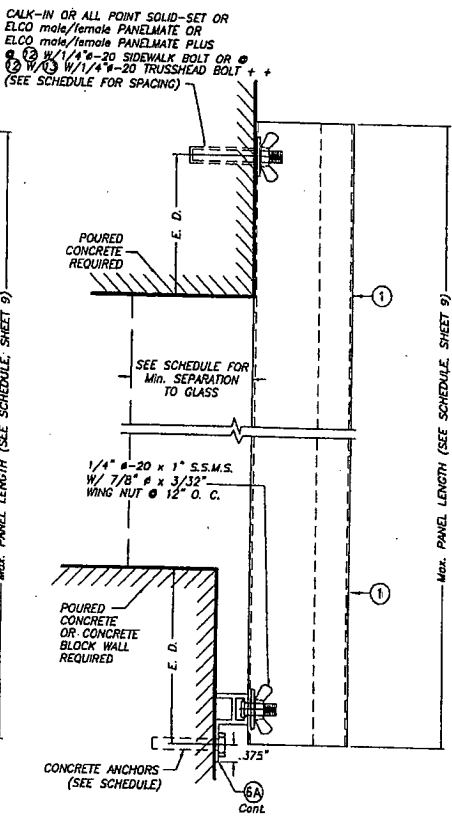
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0926.03
Expiration Date: 08/01/2008
By: *Walter A. Tillit Jr.*
Initial State Product Control
Division

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

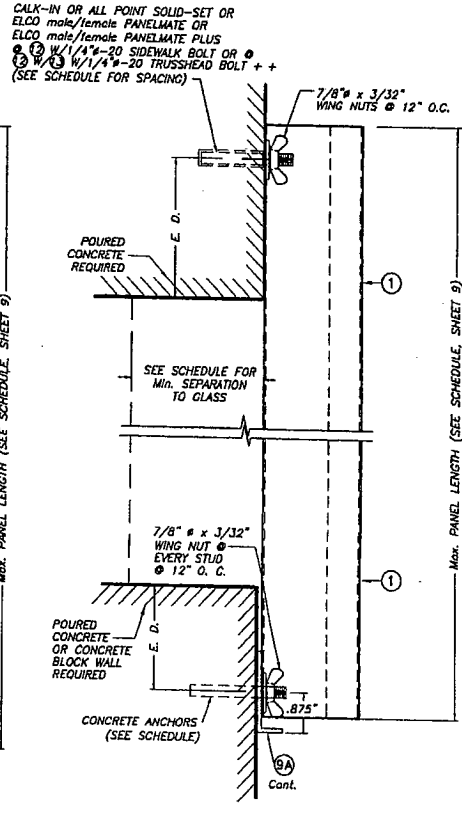
		0.050" BERTHA ALUMINUM STORM PANEL		L.G. DRAWN BY:	
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 34th St., Ste. 305, VERO BEACH, FL 32906 Phone: (329) 271-1830 Fax: (329) 871-1531 EB-0008719 WALTER A. TILLIT, Jr., P. E. FLORIDA Lic. # 44167		EASTERN METAL SUPPLY, INC. 4268 WESTROADS DR. WEST PALM BEACH, FL 33407		4/28/05 DATE	
SEP 15 2005		05-078 DRAWING No		SHEET 4 OF 15	
REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	OLD 03-141	4/28/05	1		
2			2		



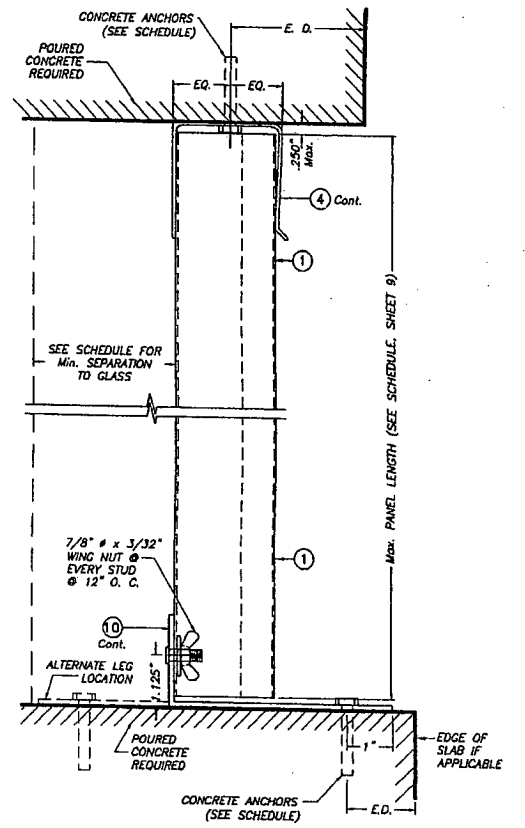
WALL MOUNTING INSTALLATION
SECTION 9
 SCALE: 3/8" = 1"



WALL MOUNTING INSTALLATION
SECTION 10
 SCALE: 3/8" = 1"



WALL MOUNTING INSTALLATION
SECTION 11
 SCALE: 3/8" = 1"



CEILING & FLOOR MOUNTING
INSTALLATION SECTION 12
 SCALE: 3/8" = 1"

E. D. = EDGE DISTANCE
 (SEE SCHEDULE ON SHEETS 10 & 11 OF 15)

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

** SIDE WALK BOLTS ARE 3/4\"/>
 ** TRUSS HEAD BOLTS ARE 1/2\"/>

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. **08-0623.06**
 Expiration Date **08/07/2013**
 By *Helmut A. Tillit*
 Miami Dade Product Control Division

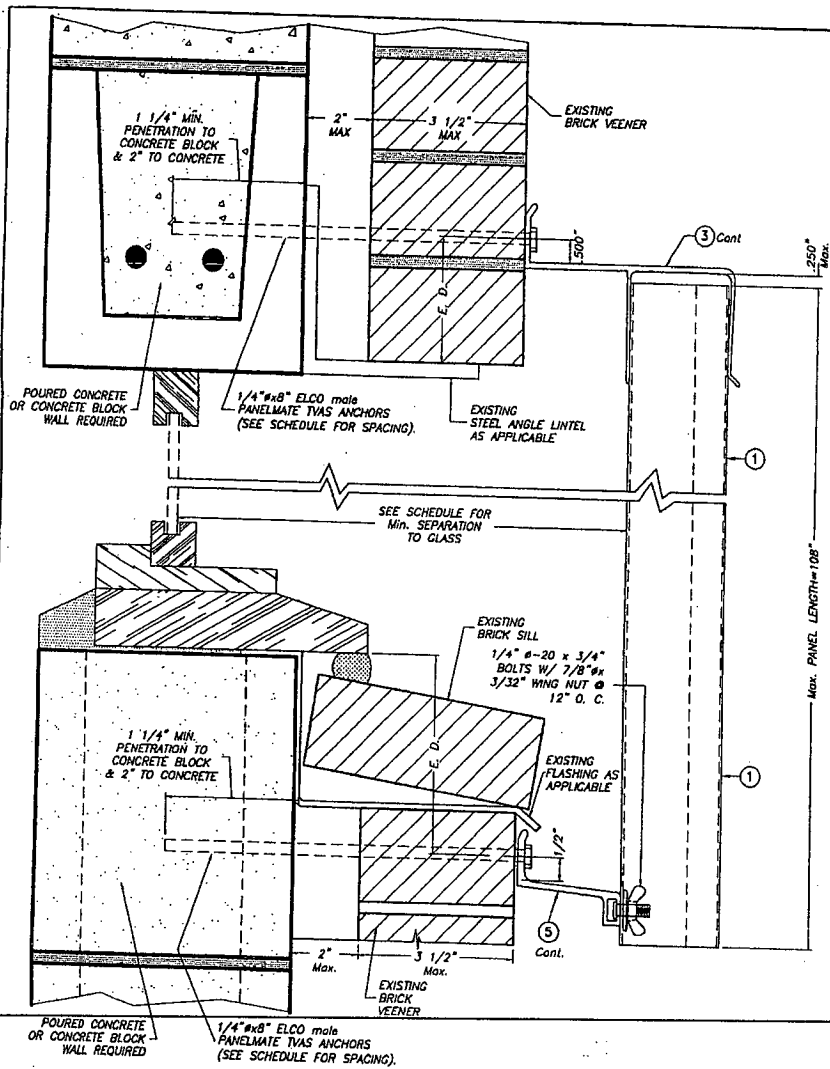
PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. **05-0126.03**
 Expiration Date **08/07/2008**
 By *Helmut A. Tillit*
 Miami Dade Product Control Division

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

TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6335 NW 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
 Phone: (305) 871-1530 Fax: (305) 871-1531
 EB-0006718
 WALTER A. TILLIT, JR., P. E.
 FLORIDA Lic. # 44167

0.050" BERTHA ALUMINUM STORM PANEL		L.G. DRAWN BY:
EASTERN METAL SUPPLY, INC.		4/28/05 DATE
4268 WESTROADS DR. WEST PALM BEACH, FL 33407		05-078 DRAWING No
REV. NO	DESCRIPTION	DATE
1	OLD 63-141	4/28/05
2		
3		
		SHEET 5 OF 15

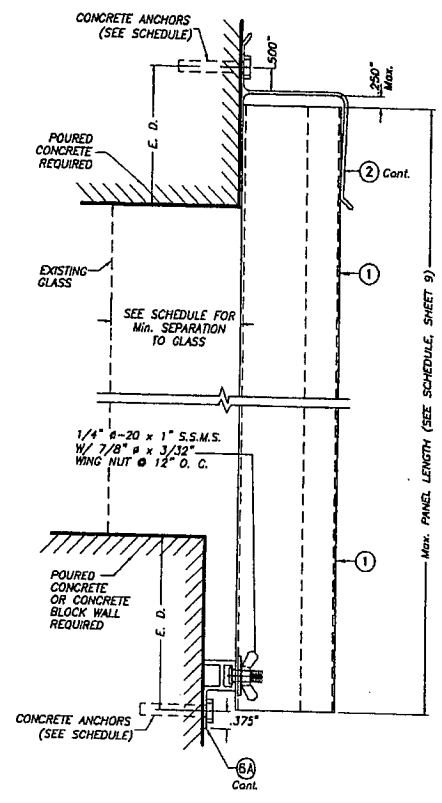
SEP 15 2005



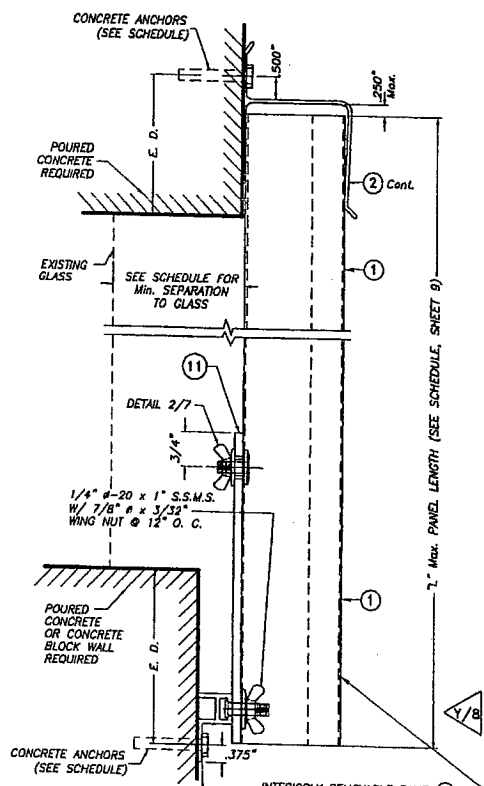
BUILD OUT INSTALLATION
SECTION 13
 SCALE: 3/8" = 1"

E. D. = EDGE DISTANCE
 (SEE SCHEDULE ON
 SHEETS 10 & 11 OF 15)

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



SECTION 14A



SECTION 14B

WALL MOUNTING INSTALLATIONS

SECTIONS 14
 SCALE: 3/8" = 1"

INSTALLATIONS VALID FOR PANELS ① USED JOINTLY WITH INTERIORLY REMOVABLE PANELS ①

PRODUCT REVIEWED as complying with the Florida Building Code
 Acceptance No. 08-0675.00
 Expiration Date 08/07/2013
 PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 05-0966.05
 Expiration Date 08/07/2013
 By: *Walter A. Tillit Jr.*
 Miami Trade Product Control Division

SEP 15 2005

TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6335 N.W. 35th St., Ste. 303, VERO BEACH, FL 32916
 Phone: (360)871-1500, Fax: (360)871-1531
 CE-0008719
 WALTER A. TILLIT JR., P. E.
 FLORIDA Lic. # 44167

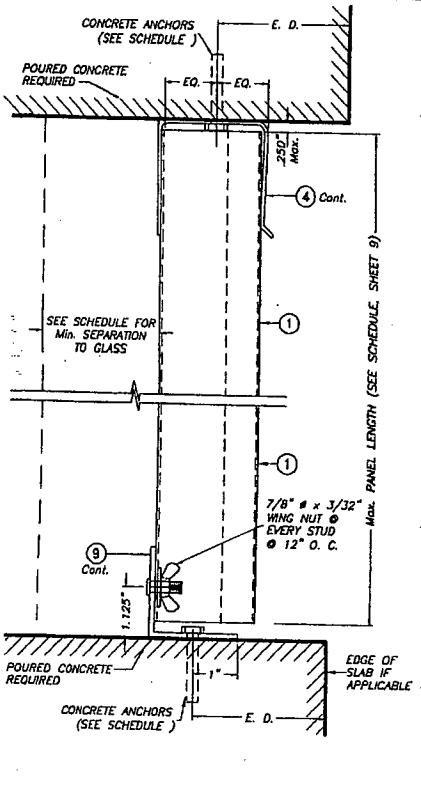
F.B.C. (High Velocity Hurricane Zone)

0.050" BERTHA ALUMINUM STORM PANEL

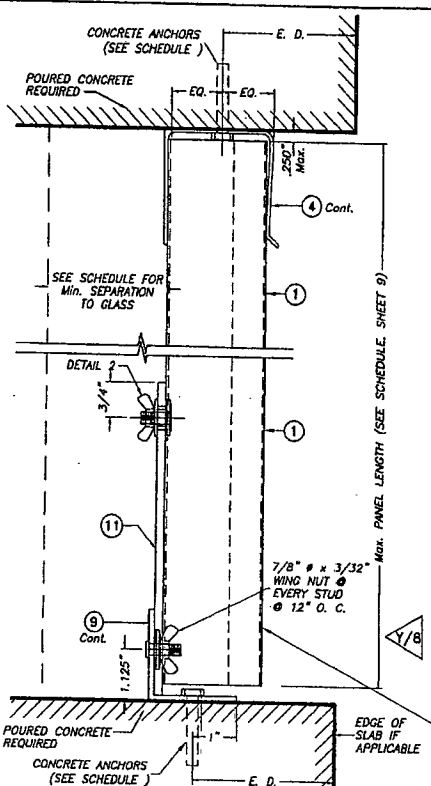
EASTERN METAL SUPPLY, INC.
 4268 WESTROADS DR.
 WEST PALM BEACH, FL 33407

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	OLD 03-141	4/28/05	2		
2					

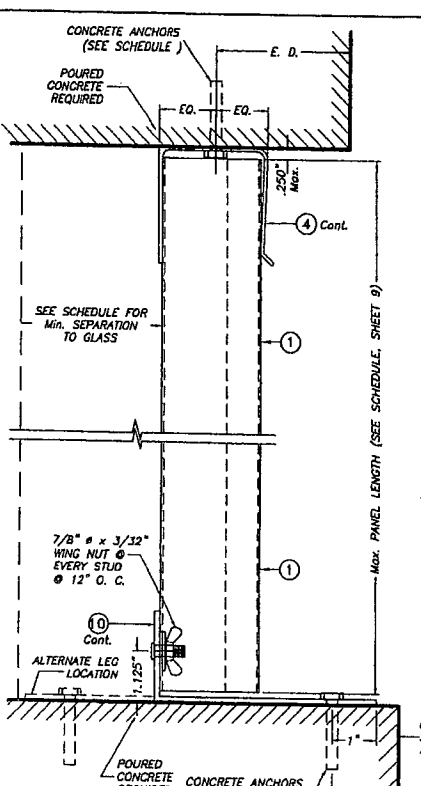
L.G. DRAWN BY:
 DATE: 4/28/05
 DRAWING No: 05-078
 SHEET 6 OF 15



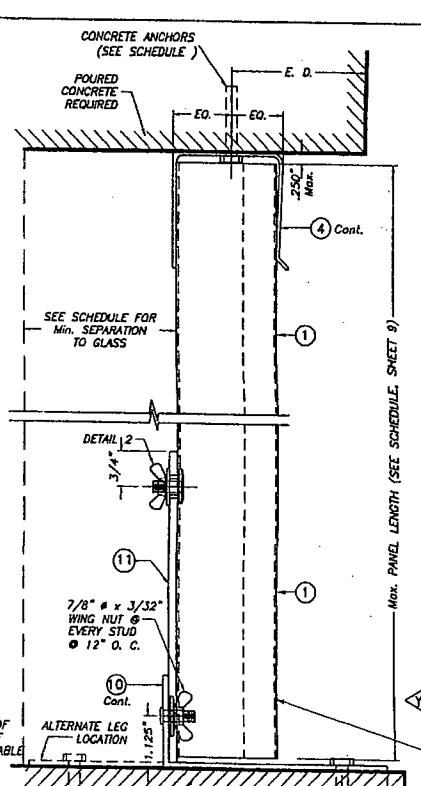
SECTION 15A
CEILING & FLOOR MOUNTING INSTALLATIONS
SECTIONS 15
 SCALE: 3/8" = 1"



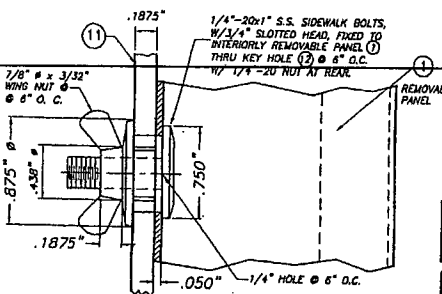
SECTION 15B
 INTERIORITY REMOVABLE PANEL (1) w/
 SIDEWALK BOLTS (SEE DETAIL 2)
 CONNECTED TO (1) THRU 5/8\"/>



SECTION 16A
CEILING & FLOOR MOUNTING INSTALLATIONS
SECTIONS 16
 SCALE: 3/8" = 1"



SECTION 16B
 INTERIORITY REMOVABLE PANEL (1) w/
 SIDEWALK BOLTS (SEE DETAIL 2)
 CONNECTED TO (1) THRU 5/8\"/>



**DETAIL 2 - INSTALLATION OF 1/4\"/>
 SCALE: 1\"/>**

**INSTALLATIONS VALID FOR PANELS (1) USED JOINTLY
 WITH INTERIORITY REMOVABLE PANELS (1)**

E. D. = EDGE DISTANCE
 (SEE SCHEDULE ON
 SHEET 10 & 11 OF 15)

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

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 08-0623-06
 Expiration Date: 08/27/2013

By: *Walter A. Tillit, Jr.*
 Mutual Dade Product Control
 Division

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-0926-03
 Expiration Date: 08/27/2008

By: *Walter A. Tillit, Jr.*
 Mutual Dade Product Control
 Division

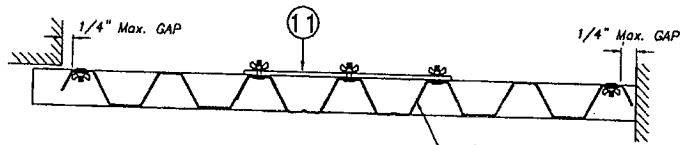
F.B.C. (High Velocity Hurricane Zone)

TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6355 N.W. 36th St., Ste. 300, Westwood Gardens, FL 33166
 Phone: (305) 871-1500, Fax: (305) 871-1531
 EQ-0008719

WALTER A. TILLIT, JR., P. E.
 FLORIDA Lic. # 44167

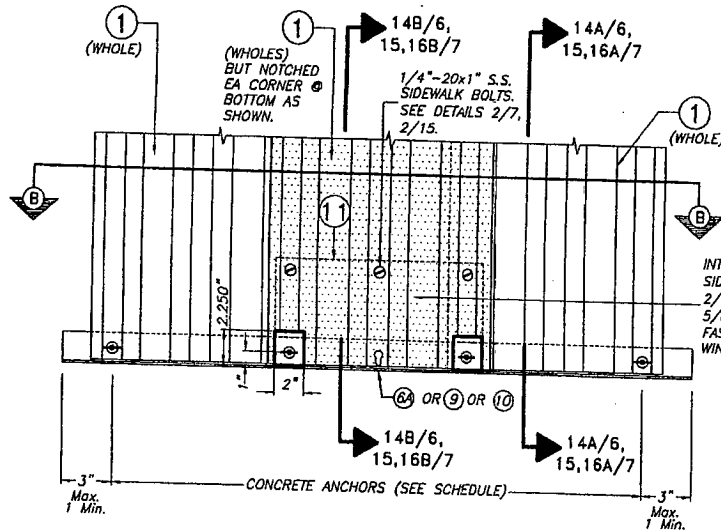
0.050" BERTHA ALUMINUM STORM PANEL		L.G.
EASTERN METAL SUPPLY, INC.		DRAWN BY:
4268 WESTROADS DR. WEST PALM BEACH, FL 33407		4/28/05
		DATE
		05-078
		DRAWING No
REV. NO	DESCRIPTION	DATE
1	OLD 03-141	4/28/05
2		
3		
		SHEET 7 OF 15

SEP 16 2005



SECTION B-B

SCALE: 1/8" = 1"



INTERIORLY REMOVABLE PANEL ① W/
SIDEWALK BOLTS (SEE DETAILS
2/7, 2/14) CONNECTED TO ① THRU
5/8" Ø HOLES AT ① @ 6" O.C. &
FASTENED AT REAR W/ 7/8" Ø x 3/32"
WING NUT @ EVERY SIDEWALK BOLT.

**INTERIORLY REMOVABLE STORM PANEL
PARTIAL ELEVATION Y**

SCALE: 1/8" = 1"

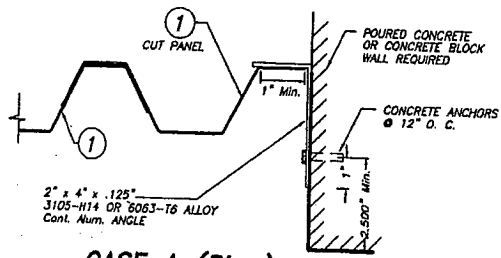
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 08-0623.06
Expiration Date: 08/07/2013
By: *Walter A. Tilt Jr.*
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0926.03
Expiration Date: 08/07/2008
By: *Walter A. Tilt Jr.*
Miami Dade Product Control
Division

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

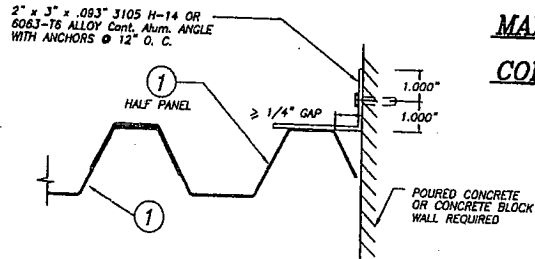
<p>TILTECO INC. TILIT TESTING & ENGINEERING COMPANY 4355 N.W. 34th St., Ste. 303, VIRGINIA GARDENS, FL 33116 Phone: (305)871-1130 Fax: (305)871-1831 EB-0005718 WALTER A. TILIT Jr., P. E. FLORIDA Lic. # 44167</p>		0.050" BERTHA ALUMINUM STORM PANEL		L.C.
		EASTERN METAL SUPPLY, INC.		DRAWN BY:
		4268 WESTROADS DR. WEST PALM BEACH, FL 33407		4/28/05 DATE
				05-078 DRAWING No
REV. NO.	DESCRIPTION	DATE	BY: No.	DATE
1	OLD 03-141	4/28/05	3	--
2	--	--	4	--
				SHEET 8 OF 15

SEP 15 2009



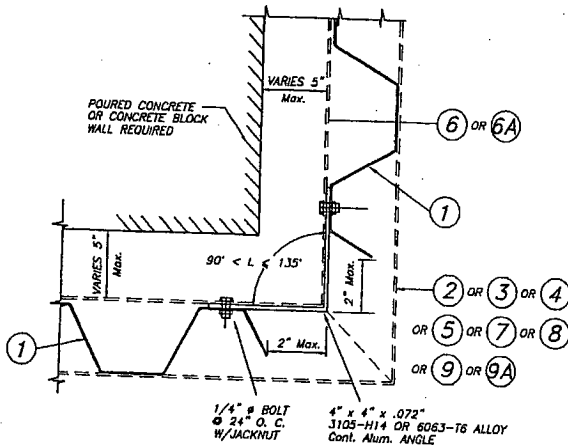
CASE A (Plan)

SCALE: 1/4" = 1"



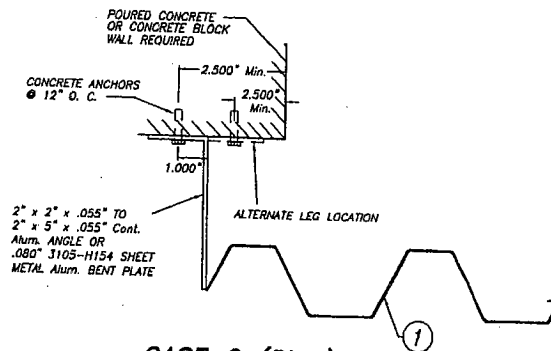
CASE D (Plan)

SCALE: 1/4" = 1"



CASE B (Plan)

SCALE: 1/4" = 1"



CASE C (Plan)

SCALE: 1/4" = 1"

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

MAXIMUM DESIGN PRESSURE RATING W (p.s.f.)	Max. PANEL LENGTH L (ft.) (SEE SECTIONS)	MINIMUM SEPARATION TO GLASS	APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM
+65.0, -77.0	8'-0" OR LESS	2 1/4"	1 THRU 8
+65.0, -77.0	9'-0" OR LESS	3 11/16"	1 THRU 8
+65.0, -72.0	9'-0" OR LESS	3 1/2"	11
+62.0, -73.3	10'-0" OR LESS	3 7/8"	2, 6, 7 & 8
+63.5, -63.5	9'-0" OR LESS	3 1/2"	9, 14, 10
+65.0, -65.0	9'-0" OR LESS	3 1/2"	12, 15, 16
+63.5, -63.5	9'-0" OR LESS	3 3/4"	13

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 08-0623.06
Expiration Date 08/07/2013
By *Walter A. Tillit*
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0926.03
Expiration Date 08/07/2008
By *Walter A. Tillit*
Miami Dade Product Control
Division

END CLOSURES DETAILS

SEP 15 2005

 <small>TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, MIAMI GARDENS, FL 33186 Phone: (305)871-1330 Fax: (305)871-1331 EB-0005719 WALTER A. TILLIT, P. E. FLORIDA Lic. # 44187</small>		F.B.C. (High Velocity Hurricane Zone) 0.050" BERTHA ALUMINUM STORM PANEL		L.G. DRAWN BY:
		EASTERN METAL SUPPLY, INC. 4268 WESTROADS DR. WEST PALM BEACH, FL 33407		4/28/05 DATE
REV. NO. DESCRIPTION DATE REV. NO. DESCRIPTION DATE 1 OLD 03-141 4/28/05 3 2 - - - 4 - - -		05-078 DRAWING NO		SHEET 9 OF 15

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR SPACING SCHEDULE FOR INSTALLATIONS IN CONCRETE AND CONCRETE BLOCK STRUCTURES

MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHOR SPACING FOR E. D. = 3 1/2" ±																		MAXIMUM PANEL LENGTH "L" (ft.)	
	REGULAR TAPCONS		CRETE-FLEX SS4		ZAMAC NAILING		CALK-IN		SOLID-SET		CF TAP-GRIP		PANELMATE		PANELMATE PLUS		410 S.S. TAPCON			APPLICABLE TO SECTIONS # & ANY COMBINATION OF TYPES
	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY		
+63.5, -63.5	8"	N/A	N/A	N/A	4"	N/A	8"	N/A	N/A	N/A	5"	N/A	3 1/2"	N/A	N/A	N/A	N/A	N/A	1 (TOP)	
	12"	6"	N/A	N/A	10"	7 1/2"	12"	9"	N/A	N/A	12"	7"	11"	11"	12"	7 1/2"	N/A	N/A	1 (BOTTOM)	
	12"	N/A	N/A	N/A	10"	N/A	12"	9"	N/A	N/A	12"	N/A	11"	N/A	N/A	N/A	N/A	N/A	2 (TOP)	
	12"	6"	N/A	N/A	10"	7 1/2"	12"	9"	N/A	N/A	12"	8"	11"	11"	12"	7 1/2"	N/A	N/A	2 (BOTTOM)	
	12"	N/A	N/A	N/A	10"	N/A	12"	N/A	N/A	N/A	12"	N/A	11"	N/A	N/A	N/A	N/A	N/A	3 (TOP)	
	12"	6"	N/A	N/A	10"	7 1/2"	12"	9"	N/A	N/A	12"	8"	11"	11"	12"	7 1/2"	N/A	N/A	3 (BOTTOM)	
	12"	N/A	N/A	N/A	10"	N/A	12"	9"	N/A	N/A	12"	N/A	11"	N/A	N/A	N/A	N/A	N/A	4 (TOP)	
	12"	6"	N/A	N/A	10"	7 1/2"	12"	9"	N/A	N/A	12"	8"	11"	11"	12"	7 1/2"	N/A	N/A	4 (BOTTOM)	
	12"	N/A	N/A	N/A	10"	N/A	12"	N/A	N/A	N/A	12"	N/A	11"	N/A	N/A	N/A	N/A	N/A	5 (TOP)	
	12"	6"	N/A	N/A	10"	7 1/2"	12"	9"	N/A	N/A	12"	8"	11"	11"	12"	7 1/2"	N/A	N/A	5 (BOTTOM)	
	8 1/2"	N/A	12"	N/A	5 1/2"	N/A	7 1/2"	N/A	N/A	N/A	8 1/2"	N/A	11 1/2"	N/A	11"	N/A	9 1/2"	N/A	6 (TOP)	
	8 1/2"	N/A	12"	N/A	5 1/2"	N/A	7 1/2"	N/A	10 1/2"	N/A	8 1/2"	N/A	11 1/2"	N/A	11"	N/A	9 1/2"	N/A	6 (BOTTOM)	
	7 1/2"	N/A	11 1/2"	N/A	5"	N/A	7"	N/A	10 1/2"	N/A	7"	N/A	10 1/2"	N/A	10"	N/A	8 1/2"	N/A	7 (TOP/BOTTOM)	
	N/A	N/A	N/A	N/A	N/A	N/A	12"	6"	12"	12"	12"	6"	6"	6"	12"	N/A	8 1/2"	N/A	7 (TOP/BOTTOM)	
	12"	N/A	12"	N/A	N/A	N/A	12"	9"	N/A	N/A	N/A	N/A	12"	N/A	12"	N/A	12"	N/A	8 (TOP/BOTTOM)	
	12"	6"	12"	12"	N/A	N/A	12"	9"	N/A	N/A	N/A	N/A	12"	N/A	12"	N/A	12"	N/A	9 (TOP)	
	N/A	N/A	N/A	N/A	N/A	N/A	12"	6"	12"	12"	N/A	N/A	12"	11"	12"	7 1/2"	12"	7 1/2"	9 (BOTTOM)	
	12"	6"	12"	12"	N/A	N/A	12"	9"	N/A	N/A	N/A	N/A	12"	6"	12"	6"	N/A	N/A	10 (TOP)	
	N/A	N/A	N/A	N/A	N/A	N/A	12"	9"	N/A	N/A	N/A	N/A	12"	10"	12"	7 1/2"	12"	7 1/2"	11 (TOP/BOTTOM)	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12"	11"	N/A	N/A	N/A	N/A	10 (BOTTOM)	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12"	11"	N/A	N/A	N/A	N/A	13 (TOP)		
12"	N/A	12"	N/A	N/A	N/A	12"	N/A	N/A	N/A	N/A	N/A	12"	6"	N/A	N/A	N/A	N/A	13 (BOTTOM)		
12"	6"	12"	12"	N/A	N/A	12"	9"	N/A	N/A	N/A	N/A	12"	N/A	12"	N/A	12"	N/A	14 (TOP)		
12"	4 1/2"	12"	9"	N/A	N/A	12"	6 1/2"	N/A	N/A	N/A	N/A	12"	8"	12"	7 1/2"	12"	7 1/2"	14A (BOTTOM)		
11 1/2"	N/A	12"	N/A	N/A	N/A	12"	N/A	N/A	N/A	N/A	N/A	12"	8"	12"	5 1/2"	12"	5 1/2"	14B (BOTTOM)		
8 1/2"	N/A	12"	N/A	N/A	N/A	7 1/2"	N/A	N/A	N/A	N/A	N/A	12"	N/A	12"	N/A	12"	N/A	12 (TOP)		
11 1/2"	N/A	12"	N/A	N/A	N/A	12"	N/A	10 1/2"	N/A	N/A	N/A	11 1/2"	N/A	11"	N/A	9 1/2"	N/A	12 (BOTTOM)		
8 1/2"	N/A	12"	N/A	N/A	N/A	7 1/2"	N/A	N/A	N/A	N/A	N/A	12"	N/A	12"	N/A	12"	N/A	15 (TOP)		
N/A	N/A	3 1/2"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3"	N/A	3"	N/A	3"	N/A	15A (BOTTOM)		
11 1/2"	N/A	12"	N/A	N/A	N/A	12"	N/A	N/A	N/A	N/A	N/A	12"	N/A	12"	N/A	12"	N/A	15B (BOTTOM)		
8 1/2"	N/A	12"	N/A	N/A	N/A	7 1/2"	N/A	N/A	N/A	N/A	N/A	12"	N/A	12"	N/A	12"	N/A	16 (TOP)		
3"	N/A	4 1/2"	N/A	N/A	N/A	3"	N/A	N/A	N/A	N/A	N/A	11 1/2"	N/A	11"	N/A	9 1/2"	N/A	16A (BOTTOM)		
+55.0, -55.0	6"	N/A	N/A	N/A	6"	N/A	6"	N/A	N/A	N/A	6"	N/A	6"	N/A	N/A	N/A	N/A	4"	N/A	16B (BOTTOM)
	6"	5 1/2"	N/A	N/A	6"	6"	6"	6"	N/A	N/A	6"	6"	6"	6"	N/A	N/A	N/A	N/A	2 (TOP)	
	6"	N/A	N/A	N/A	4 1/2"	N/A	6"	N/A	N/A	6"	N/A	5 1/2"	N/A	N/A	N/A	N/A	N/A	N/A	2 (BOTTOM)	
	6"	N/A	N/A	N/A	4 1/2"	N/A	6"	N/A	9 1/2"	N/A	6"	N/A	5 1/2"	N/A	N/A	N/A	N/A	N/A	6 (TOP)	
	6"	N/A	N/A	N/A	4"	N/A	6"	N/A	9 1/2"	N/A	6"	N/A	4 1/2"	N/A	N/A	N/A	N/A	N/A	6 (BOTTOM)	
N/A	N/A	N/A	N/A	N/A	N/A	6"	6"	12"	12"	6"	6"	6"	6"	N/A	N/A	N/A	N/A	7 (TOP/BOTTOM)		
N/A	N/A	N/A	N/A	N/A	N/A	6"	6"	12"	12"	6"	6"	6"	6"	N/A	N/A	N/A	N/A	8 (TOP/BOTTOM)		

E. D. = EDGE DISTANCE

ANCHORS LEGEND

ANCHOR TYPE	MIN. ANCHOR SPACING
REGULAR TAPCON, 410 S.S. TAPCON, CRETE-FLEX SS4, ZAMAC NAILING, CF TAP-GRIP, PANELMATE OR PANELMATE PLUS.	3.0"
CALK-IN	2.5"
SOLID-SET	3.5"

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 08-0623.06
 Expiration Date 08/07/2013
 By: *Heather A. Miller*
 Miami Dade Product Control Division

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 05-0926.03
 Expiration Date 08/07/2008
 By: *Heather A. Miller*
 Miami Dade Product Control Division

* MAXIMUM ANCHOR SPACINGS ARE VALID FOR 3 1/2" EDGE DISTANCE. FOR E. D. LESS THAN 3 1/2", REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. (NOTE: MIN. E. D. FOR CALK-IN ANCHORS IS 2 1/2")
 FOR THIS OPERATION TO BE POSSIBLE, REDUCED SPACING OBTAINED USING FACTOR SHALL NOT BE LESS THAN MINIMUM SPACING INDICATED FOR EACH ANCHOR TYPE AT ANCHORS LEGEND.

ACTUAL E. D.	FACTOR			
	REGULAR TAPCON, 410 S.S. TAPCON, CRETE-FLEX SS4, ZAMAC NAILING, PANELMATE OR PANELMATE PLUS.	CALK-IN	SOLID-SET	CF TAP-GRIP
3"	.86	.75	.78	1.00
2 1/2"	.71	.50	-	.80
2"	.50	-	-	-

SEP 15 2005

TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6333 NW 36th St., Ste. 202, Virginia Gardens, FL 33166
 Phone: (305)971-1530 Fax: (305)971-1031
 EB-0006719
 WALTER A. TILLIT JR., P. E.
 FLORIDA Lic. # 44167

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

EASTERN METAL SUPPLY, INC.
 4268 WESTROADS DR.
 WEST PALM BEACH, FL 33407

L.C. DRAWN BY:
 4/28/05 DATE
 05-078 DRAWING No

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	OLD 03-141	4/28/05	2	-	-
2	-	-	3	-	-

SHEET 10 OF 15

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR SPACING SCHEDULE FOR INSTALLATIONS INTO CONCRETE AND CONCRETE BLOCK STRUCTURES

MAXIMUM DESIGN LOAD W (p.s.f.)	REGULAR TAPCONS		CRETE-FLEX SS4		ZAMAC NAILIN		CALK-IN		SOLID-SET		CF TAP-GRIP		PANELMATES		PANELMATE PLUS		410 S.S. TAPCON		APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY		
	+65.0, -77.0	6"	N/A	N/A	N/A	3"	N/A	6"	N/A	N/A	N/A	3 1/2"	N/A	2 1/2"	N/A	N/A	N/A	N/A		
12"		5"	N/A	N/A	10"	6"	12"	7 1/2"	N/A	N/A	12"	6"	9 1/2"	9 1/2"	N/A	N/A	N/A	N/A	1 (BOTTOM)	
12"		N/A	N/A	N/A	10"	N/A	12"	N/A	N/A	N/A	12"	N/A	9 1/2"	N/A	N/A	N/A	N/A	N/A	2 (TOP)	
12"		5"	N/A	N/A	10"	6"	12"	7 1/2"	N/A	N/A	12"	6 1/2"	9 1/2"	9"	N/A	N/A	N/A	N/A	2 (BOTTOM)	
12"		N/A	N/A	N/A	10"	N/A	12"	N/A	N/A	N/A	12"	N/A	9 1/2"	N/A	N/A	N/A	N/A	N/A	3 (TOP)	
12"		5"	N/A	N/A	8"	6"	12"	7 1/2"	N/A	N/A	12"	6 1/2"	9 1/2"	9"	N/A	N/A	N/A	N/A	3 (BOTTOM)	
12"		N/A	N/A	N/A	8"	6"	12"	N/A	N/A	N/A	12"	N/A	9 1/2"	N/A	N/A	N/A	N/A	N/A	4 (TOP)	
12"		5"	N/A	N/A	8"	6"	12"	7 1/2"	N/A	N/A	12"	6 1/2"	9 1/2"	9"	N/A	N/A	N/A	N/A	4 (BOTTOM)	
12"		N/A	N/A	N/A	8"	N/A	12"	N/A	N/A	N/A	12"	N/A	9 1/2"	N/A	N/A	N/A	N/A	N/A	5 (TOP)	
12"		4 1/2"	N/A	N/A	7"	5"	12"	6"	N/A	N/A	10"	5"	7 1/2"	7 1/2"	N/A	N/A	N/A	N/A	5 (BOTTOM)	
7"		N/A	N/A	N/A	4 1/2"	N/A	6"	N/A	N/A	N/A	7"	N/A	5"	N/A	N/A	N/A	N/A	N/A	6 (TOP)	
7"		N/A	N/A	N/A	4 1/2"	N/A	6"	N/A	N/A	N/A	7"	N/A	5"	N/A	N/A	N/A	N/A	N/A	6 (BOTTOM)	
6"		N/A	N/A	N/A	4"	N/A	5 1/2"	N/A	9"	N/A	7"	N/A	5"	N/A	N/A	N/A	N/A	N/A	7 (TOP/BOTTOM)	
N/A		N/A	N/A	N/A	N/A	N/A	12"	6"	12"	12"	12"	6"	6"	6"	N/A	N/A	N/A	N/A	8 (TOP/BOTTOM)	
+65.0, -72.0		8 1/2"	N/A	12"	N/A	N/A	N/A	6"	N/A	9 1/2"	N/A	N/A	N/A	9"	N/A	9"	N/A	7 1/2"	N/A	7 (TOP/BOTTOM)
	N/A	N/A	N/A	N/A	N/A	N/A	12"	6"	12"	12"	N/A	N/A	12"	6"	12"	6"	N/A	N/A	11 (TOP)	
	12"	5 1/2"	12"	10 1/2"	N/A	N/A	12"	8"	12"	12"	N/A	N/A	12"	9 1/2"	12"	6 1/2"	12"	7"	11 (BOTTOM)	
+62.0, -73.3	6"	N/A	N/A	N/A	6"	N/A	6"	N/A	12"	12"	6"	N/A	6"	N/A	N/A	N/A	N/A	N/A	2 (TOP)	9'-0" TO 10'-0"
	6"	5"	N/A	N/A	6"	5 1/2"	6"	6"	N/A	N/A	6"	6"	6"	6"	N/A	N/A	N/A	N/A	2 (BOTTOM)	
	6"	N/A	N/A	N/A	4"	N/A	6"	N/A	N/A	6"	N/A	5"	N/A	N/A	N/A	N/A	N/A	N/A	6 (TOP)	
	6"	N/A	N/A	N/A	4"	N/A	6"	N/A	8"	N/A	6"	N/A	5"	N/A	N/A	N/A	N/A	N/A	6 (BOTTOM)	
	6"	N/A	N/A	N/A	5"	N/A	6"	N/A	8"	N/A	5 1/2"	N/A	4"	N/A	N/A	N/A	N/A	N/A	7 (TOP/BOTTOM)	
	N/A	N/A	N/A	N/A	N/A	N/A	6"	6"	12"	12"	6"	6"	6"	6"	N/A	N/A	N/A	N/A	8 (TOP/BOTTOM)	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12"	12"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10 (TOP) 11 (TOP/BOTTOM)	

E. D. = EDGE DISTANCE

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 08-0623.06
 Expiration Date 08/07/2013
 By: *William A. Miller*
 National Director, Product Control Division

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 05-0926.03
 Expiration Date 08/07/2008
 By: *William A. Miller*
 National Director, Product Control Division

* MAXIMUM ANCHOR SPACINGS ARE VALID FOR 3 1/2" EDGE DISTANCE, FOR E. D. LESS THAN 3 1/2". REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. (NOTE: Min. E. D. FOR CALK-IN ANCHORS IS 2 1/2")
 FOR THIS OPERATION TO BE POSSIBLE, REDUCED SPACING OBTAINED USING FACTOR SHALL NOT BE LESS THAN MINIMUM SPACING INDICATED FOR EACH ANCHOR TYPE AT ANCHORS LEGEND.


ACTUAL E. D.	FACTOR
3"	.86
2 1/2"	.71
2"	.50

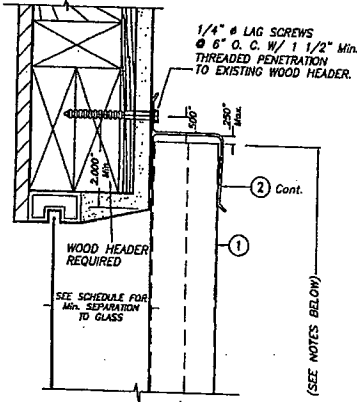
ANCHORS LEGEND

ANCHOR TYPE	Min. ANCHOR SPACING
REGULAR TAPCON, 410 S.S. TAPCON, CRETE-FLEX SS4, ZAMAC NAILING, CF TAP-GRIP, PANELMATE OR PANELMATE PLUS.	3.0"
CALK-IN	2.5"
SOLID-SET	3.5"

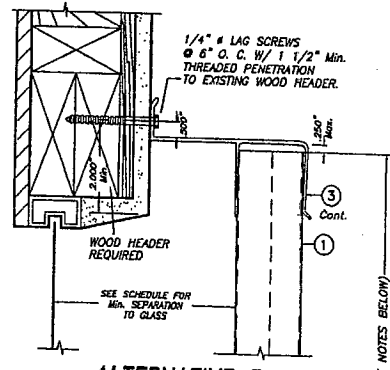
SEP 15 2005

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

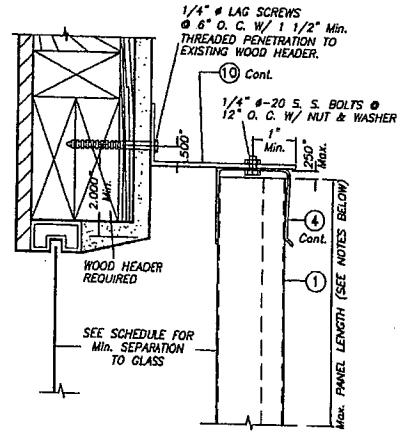
 TILLOT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 200, VINCENNA GARDENS, FL 33166 Phone: (305)971-1330 Fax: (305)971-1451 EB-0006719 WALTER A. TILLOT, J. P. E. FLORIDA Lic. # 44167		0.050" BERTHA ALUMINUM STORM PANEL L.C. DRAWN BY: 4/28/05 DATE 05-078 DRAWING No SHEET 11 OF 13			
REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	OLD 03-141	4/28/05	2		
2			4		



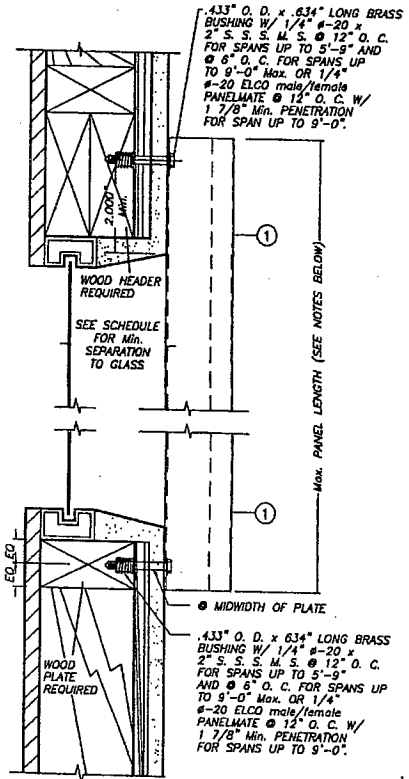
ALTERNATIVE 1



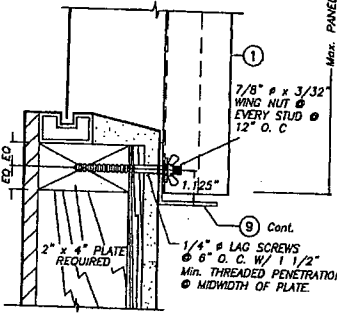
ALTERNATIVE 5



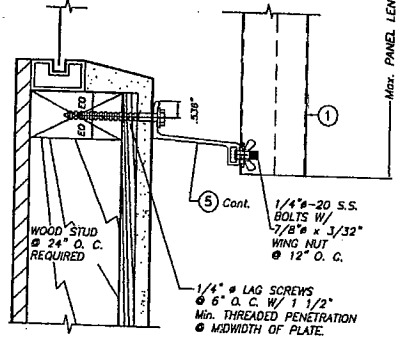
ALTERNATIVE 7



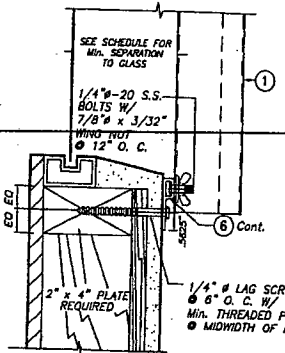
ALTERNATIVE 8



ALTERNATIVE 2



ALTERNATIVE 6



ALTERNATIVE 3

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

- NOTES:**
1. INSTALLATIONS ARE ONLY VALID FOR DESIGN WIND LOADS UP TO +65.0, -72.0 psf AND PANEL'S LENGTHS UP TO 9'-0", EXCEPT AS NOTED.
 2. NEW 2" x 6" P. T. TO BE SOUTHERN PINE No. 2, SURFACED DRY WITH 13 3/4 M. M. C. W/ SPECIFIC DENSITY OF 0.55.
 3. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

**WALL MOUNTING INSTALLATIONS
SECTIONS A**

SCALE : 1/4" = 1"

INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No 08-0623.06
Expiration Date 08/07/2018
By *Helmut H. Hill*
Miami Dade Product Control
Division

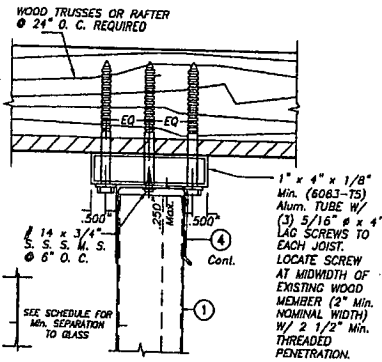
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 05-0926.03
Expiration Date 08/07/2008
By *Helmut H. Hill*
Miami Dade Product Control
Division

SEP 15 2005

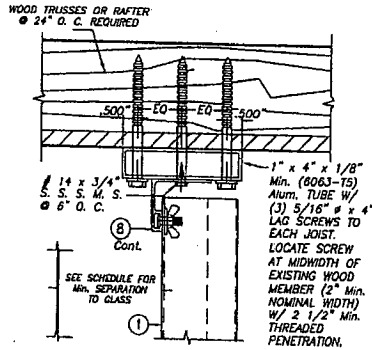
TILECO INC.
TILIT TESTING & ENGINEERING COMPANY
6355 A.W. 3RD. ST. STE. 303 VIRGINIA GARDENS, FL 33166
Phone : (305) 471-1250 Fax : (305) 471-1531
EB-0068719
WALTER A. TILIT JR. P. E.
FLORIDA Lic. # 44167

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

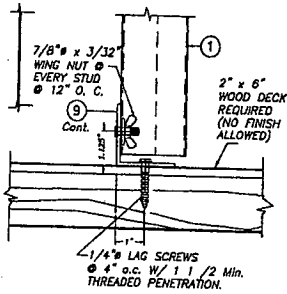
0.050" BERTHA ALUMINUM STORM PANEL		L.G.
EASTERN METAL SUPPLY, INC.		DRAWN BY:
4268 WESTROADS DR. WEST PALM BEACH, FL 33407		4/28/05 DATE
REV. NO		DESCRIPTION
1	OLD 03-141	1/28/03
2		
05-078		DRAWING No
SHEET 12 OF 15		



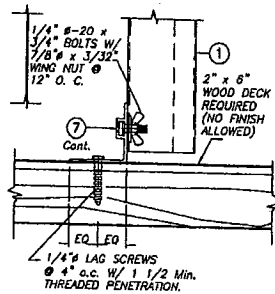
ALTERNATIVE 9A



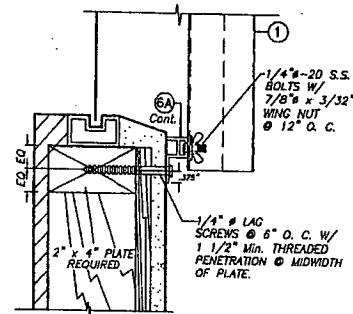
ALTERNATIVE 10



ALTERNATIVE 9

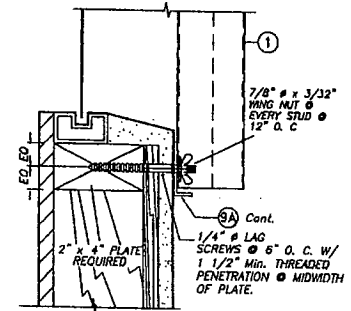


ALTERNATIVE 11



ALTERNATIVE 12 *

* VALID FOR Max. +63.5, -63.5 psf.



ALTERNATIVE 14

CEILING & FLOOR MOUNTING INSTALLATIONS

SCALE : 1/4" = 1"

WALL MOUNTING INSTALLATION

SCALE : 1/4" = 1"

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

NOTES:
1. INSTALLATIONS ARE ONLY VALID FOR DESIGN WIND LOADS UP TO +65.0, -72.0 psf AND PANEL'S LENGTHS UP TO 9'-0", EXCEPT AS NOTED.
2. 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.
3. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

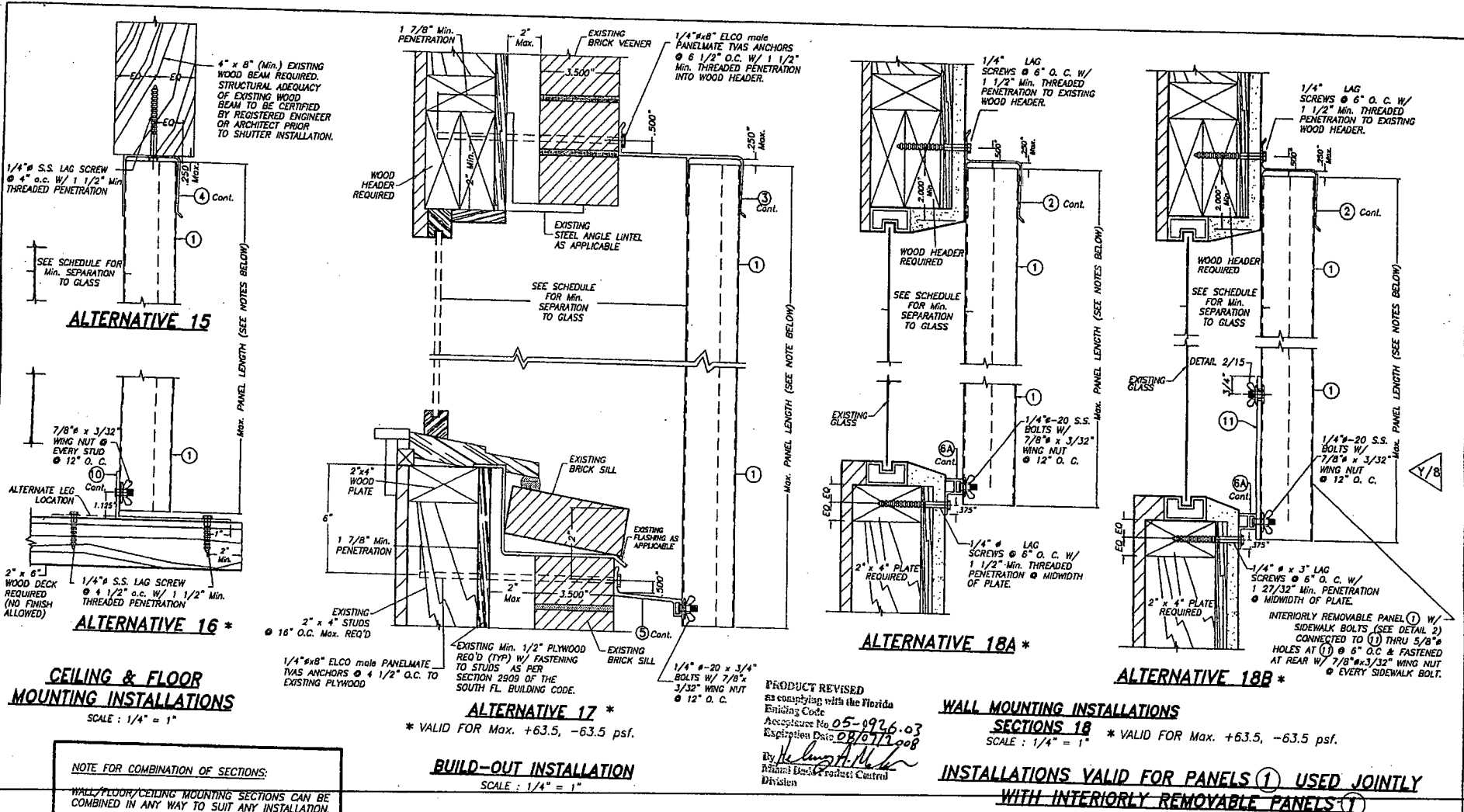
INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS

PRODUCT RENEWED
as complying with the Florida Building Code.
Acceptance No. 08-0623-06
Expiration Date 08/07/2018
By: *Walter A. Tilit Jr.*
Miami Dade Product Control Division

PRODUCT REVISED
as complying with the Florida Building Code.
Acceptance No. 05-0926-03
Expiration Date 08/07/2008
By: *Walter A. Tilit Jr.*
Miami Dade Product Control Division

SEP 15 2005

 TILLIT TESTING & ENGINEERING COMPANY 4555 N.W. 30th St., Ste. 205, Virginia Gardens, FL 33166 Phone: (305) 871-1130 Fax: (305) 971-1131 EB-0006719 WALTER A. TILIT Jr., P. E. FLORIDA Lic. # 44167	0.050" BERTHA ALUMINUM STORM PANEL EASTERN METAL SUPPLY, INC. 4268 WESTROADS DR. WEST PALM BEACH, FL 33407		L.C. DRAWN BY: 4/28/05 DATE 05-078 DRAWING No. SHEET 13 OF 15
	F.B.C. (High Velocity Hurricane Zone)		REV. NO. DESCRIPTION DATE REV. NO. DESCRIPTION DATE 1 OLD 03-141 1/28/03 2 - - - 2 - - 3 - - -



CEILING & FLOOR MOUNTING INSTALLATIONS

SCALE: 1/4" = 1"

NOTE FOR COMBINATION OF SECTIONS:

WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

NOTES:

- INSTALLATIONS ARE ONLY VALID FOR DESIGN WIND LOADS UP TO +65.0, -65.0 psf AND PANEL'S LENGTHS UP TO 9'-0", EXCEPT AS NOTED.
- 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.

**ALTERNATIVE 17 *
BUILD-OUT INSTALLATION**

* VALID FOR Max. +63.5, -63.5 psf.

SCALE: 1/4" = 1"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0926.03
Expiration Date 08/07/2008
By *Walter A. Tilt*
Regional Product Control
Division

WALL MOUNTING INSTALLATIONS

SECTIONS 18

SCALE: 1/4" = 1" * VALID FOR Max. +63.5, -63.5 psf.

INSTALLATIONS VALID FOR PANELS ① USED JOINTLY WITH INTERIORLY REMOVABLE PANELS ②

SEP 15 2005

TILECO INC.
TILIT TESTING & ENGINEERING COMPANY
6353 P.M. 30th St., 3rd Fl., Vero Beach, FL 32906
Phone: 1-888-671-1133 Fax: 1-321-571-1511
EB-0006719
WALTER A. TILIT, Jr., P.E.
FLORIDA Lic. # 44167

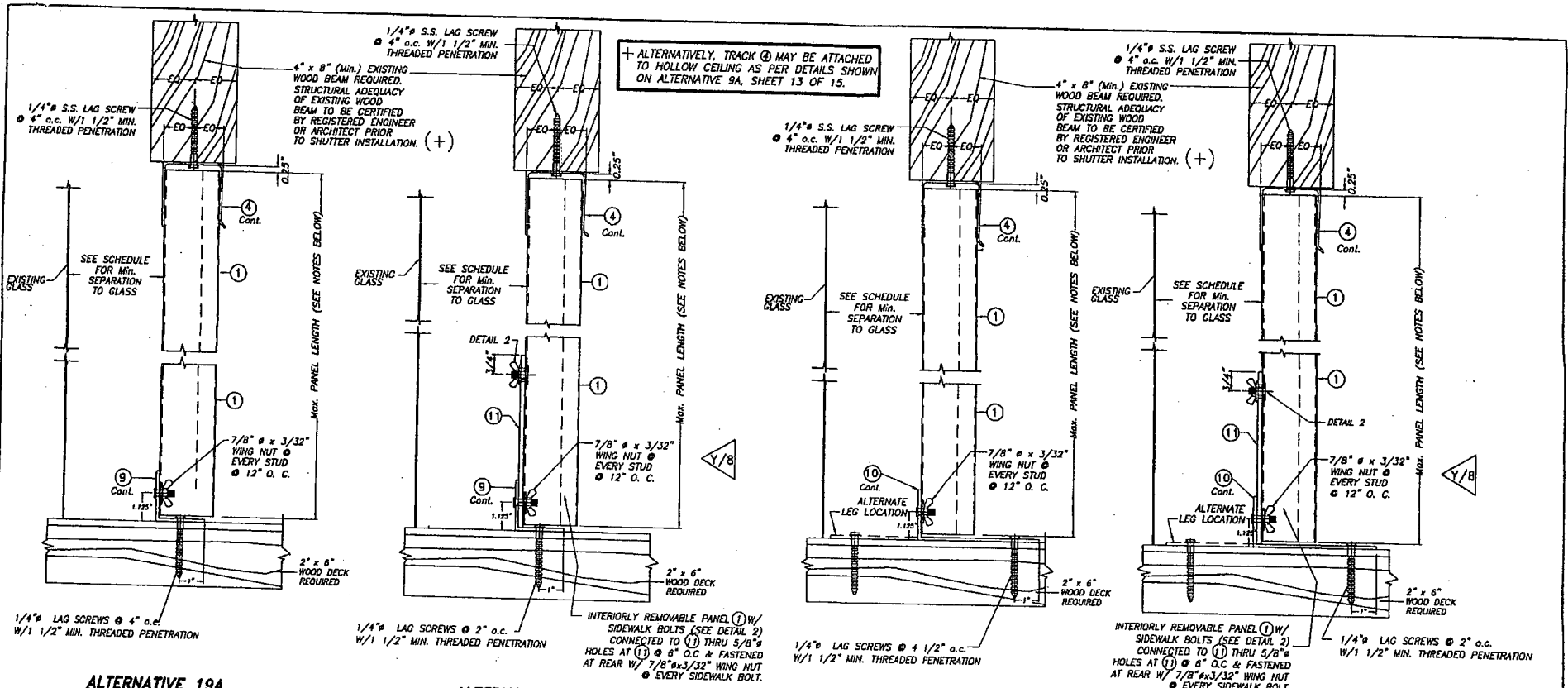
F.B.C. (High Velocity Hurricane Zone)

0.050" BERTHA ALUMINUM STORM PANEL

EASTERN METAL SUPPLY, INC.
4266 WESTROADS DR.
WEST PALM BEACH, FL 33407

L.G. DRAWN BY:
4/28/05 DATE
05-078 DRAWING No
SHEET 14 OF 15

REV. NO.	DESCRIPTION	DATE	REV. No.	DESCRIPTION	DATE
1	OLD 03-141	4/28/05	1		
2			2		



ALTERNATIVE 19A
CEILING & FLOOR MOUNTING INSTALLATIONS
SECTIONS 19
 SCALE: 1/4" = 1"

ALTERNATIVE 19B
CEILING & FLOOR MOUNTING INSTALLATIONS
SECTIONS 19
 SCALE: 1/4" = 1"

ALTERNATIVE 20A
CEILING & FLOOR MOUNTING INSTALLATIONS
SECTIONS 20
 SCALE: 1/4" = 1"

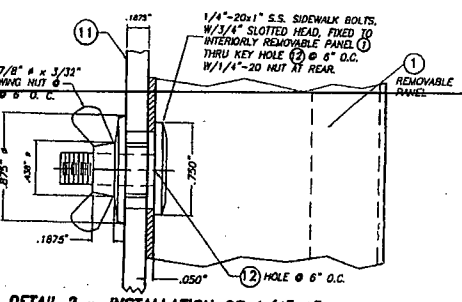
ALTERNATIVE 20B
CEILING & FLOOR MOUNTING INSTALLATIONS
SECTIONS 20
 SCALE: 1/4" = 1"

PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. 08-0623.06
 Expiration Date 08/07/2013
 By: *Walter A. Tilit*
 Miami Dade Product Control
 Division

PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. 05-0926.03
 Expiration Date 08/07/2008
 By: *Walter A. Tilit*
 Miami Dade Product Control
 Division

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

INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS



DETAIL 2 - INSTALLATION OF 1/4" x 1" SIDEWALK BOLTS ON REMOVABLE PANEL
 SCALE: 1" = 1"

- NOTES:**
- INSTALLATIONS ARE ONLY VALID FOR DESIGN WIND LOADS UP TO +65.0, -65.0 psf AND PANEL'S LENGTHS UP TO 9'-0".
 - NEW 2" x 6" P. I. 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.

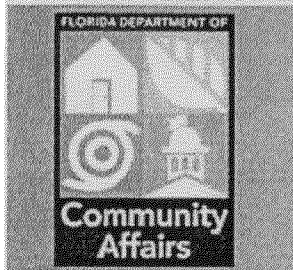
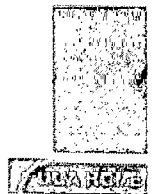
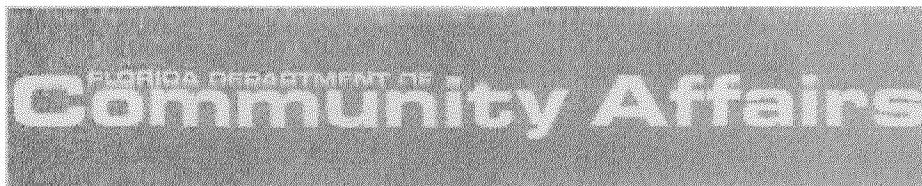
TILECO INC.
 TILT TESTING & ENGINEERING COMPANY
 4305 N.W. 34th St., Ste. 106 WICHITA, KS 67218
 Phone: (316)971-1530 Fax: (316)971-1531
 EB-0008719
 WALTER A. TILIT, P. E.
 FLORIDA Lic. # 44167

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

0.050" BERTHA ALUMINUM STORM PANEL		L.G. DRAWN BY:
EASTERN METAL SUPPLY, INC.		4/28/05 DATE
4288 WESTROADS DR. WEST PALM BEACH, FL 33407		05-078 DRAWING No
REV. NO.	DESCRIPTION	DATE
1	OLD 03-141	4/29/05
2		
3		
4		

SHEET 15 OF 15

SEP 15 2005

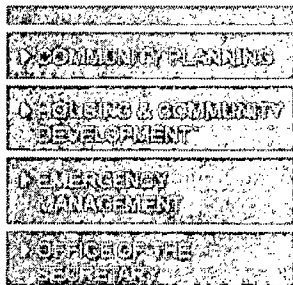


BCIS Home | Log In | User Registration | Hot Topics | Submit Surcharge | Stats & Facts | Publications | FB



Product Approval
USER: Public User

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



FL #	FL389-R2
Application Type	Revision
Code Version	2007
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>

Product Manufacturer	American Shutter Systems Associa
Address/Phone/Email	4268 Westroads Drive West Palm Beach, FL 33407 (561) 209-8263 bfeeley@easternmetal.com

Authorized Signature	Bill Feeley lrodriguez@easternmetal.com
----------------------	--

Technical Representative
Address/Phone/Email

Quality Assurance Representative
Address/Phone/Email

Category	Shutters
Subcategory	Accordion

Compliance Method	Evaluation Report from a Florida R Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy F
-------------------	--

Florida Engineer or Architect Name who developed the Evaluation Report	Walter A.. Tillit, Jr. P.E.
--	-----------------------------

Florida License PE-44167
 Quality Assurance Entity National Accreditation and Manage
 Quality Assurance Contract Expiration Date 12/31/2010
 Validated By John Henry Kampmann Jr.
 Validation Checklist - Hardcopy

Certificate of Independence FL389 R2 COI Certification of Ind

Referenced Standard and Year (of Standard) **Standard**
 ASTM E-1886
 ASTM E-1996
 ASTM E-330
 TAS 201, 202, 203

Equivalence of Product Standards Certified By

Sections from the Code

Product Approval Method Method 1 Option D

Date Submitted 09/10/2008
 Date Validated 09/15/2008
 Date Pending FBC Approval 09/19/2008
 Date Approved 10/14/2008

Summary of Products		
FL #	Model, Number or Name	Description
389.1	Bertha HV Accordion Shutter- Blade 1 Only- (Non-HVHZ)- Drwg #08-227	Extruded aluminum inter tracks (top and bottom) f
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Large missile level "D" max. span is 16'-0" for 30.0 p.s.f (for symmetrical and opposing centermates). See sheet 9 of 14 of installation drawings for other spans and pressures. This product shall not be installed within		Installation Instruction FL389 R2 II Drawing 0. Verified By: American Te Created by Independent Evaluation Reports FL389 R2 AE Product E Created by Independent

High Velocity Hurricane Zone as defined on section 1609
of the Florida Building Code.

Back

Next

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

© 2000-2005 The State of Florida. All rights reserved. Copyright and Disc

Product Approval Accepts:



GENERAL NOTES:

1. BERTHA H.V. ACCORDION SHUTTER SYSTEM SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2007 EDITION OF THE FLORIDA BUILDING CODE.
THIS ACCORDION SHUTTER SYSTEM SHALL NOT BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. 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, AND FOR A DIRECTIONALITY FACTOR $K_d=0.85$, IN ACCORDANCE WITH ASCE 7-05 STANDARD. IN ORDER TO VERIFY THAT ANCHORS ON THIS P.E.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE LOADS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS.
BERTHA H.V. ACCORDION SHUTTER SYSTEM'S ADEQUACY FOR WIND AND IMPACT LOAD HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.2 OF THE ABOVE MENTIONED CODE AS PER ATL REPORTS #0214.01-03 AND #0715.01-03 AS PER TAS-201, TAS-202 AND TAS-203 PROTOCOLS AND ASTM E-1886 AND E-1996 STANDARDS.
2. BERTHA H.V. ACCORDION PINS (HV SCREWS), USED AT BLADES KNUCKLE AND FOR DIRECT MOUNT CONNECTION TO TRACKS SHALL BE # 14X2.75 AND # 14X1.75 RESPECTIVELY, 410-HT MINIMUM SERIES STAINLESS STEEL SCREWS WITH 135.0 ksi YIELD STRENGTH AND 180 ksi TENSILE STRENGTH. PINS SHALL BE COATED WITH BERTHA HV DACROSHIELD® COATING SYSTEM AS MANUFACTURED BY APPROVED COATING APPLICATORS, REGISTERED WITH AMERICAN SHUTTER SYSTEMS ASSOCIATION. PINS MUST BEAR THE HV MARKING ON THEIR HEAD.
3. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY AND TEMPER, WITH $F_y = 25.0$ ksi MINIMUM (UNLESS OTHERWISE NOTED).
4. 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 STRENGTH AND 90 ksi TENSILE STRENGTH.
5. BOLTS TO BE ALUMINUM ASSOCIATION 2024-T4 ALLOY AND TEMPER, ASTM A-307 GALVANIZED STEEL, OR AISI 304 SERIES STAINLESS STEEL WITH 35 ksi MINIMUM YIELD STRENGTH.
6. SEE SHEETS 10, 11 AND 12 FOR ANCHORS SPECIFICATIONS.
7. THIS BERTHA H.V. ACCORDION SHUTTER SYSTEM IS PATENT PENDING. COMPONENTS OF THIS APPROVAL ARE COVERED, IN WHOLE OR IN PART BY U.S. PATENT ISSUED TO EASTERN METAL SUPPLY, INC.
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, THRU FASTENING IN CONTINUOUS CONTACT WITH THE BUILDING TO PREVENT WIND/RAIN INTRUSION.
9. EACH UNIT MUST BEAR A PERMANENT LABEL IN A VISIBLE PLACE WITH WARNING NOTE INSTRUCTING THE TENANT OR HOME OWNER THAT THE H.V. LOCK (W) OR ALTERNATE LOCK (W) MUST BE PROPERLY LOCKED DURING PERIODS OF HURRICANE WARNING. FOR EGRESS CONDITIONS, AN INSIDE HV LOCK (W) (WHERE KEY MUST REMAIN IN THE LOCK), AN INSIDE ALTERNATE LOCK (W), OR AN EGRESS H.V. LOCK (W) SHALL BE USED.
10. SHUTTER MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT ACCORDION SHUTTER IN ACCORDANCE WITH SECTION 1714.8.3 OF FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABELING TO COMPLY WITH SECTION 1714.8.2 OF THE FLORIDA BUILDING CODE.


11. BERTHA H.V. ACCORDION SHUTTER SYSTEM'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.
12. (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.

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

© 2008 EASTERN METAL SUPPLY, INC.

BERTHA HV™
Accordion Shutter System

REV. No	DESCRIPTION	DATE	Drawn by: F.P.
1	OLD 09-104	9/26/08	DATE: 09/05/08
2			DRAWING No
3			08-227
4			SHEET
5			1 OF 14
6			



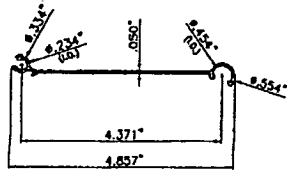
P.E. SEAL/SIGNATURE/DATE



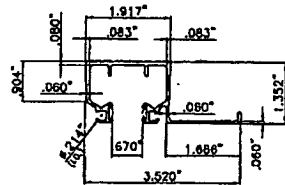
TILLIT TESTING & ENGINEERING COMPANY
8355 N.W. 36th St., Ste. 305, VERONA GARDENS, FLORIDA 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilliteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167



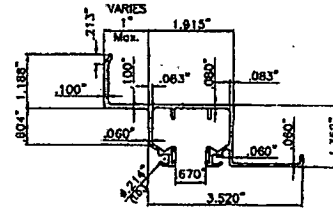
American Shutter Systems Association, Inc.
4268 Westroads Drive
West Palm Beach, FL 33407
Ph: (877)999-2772 FAX: (561)209-8380



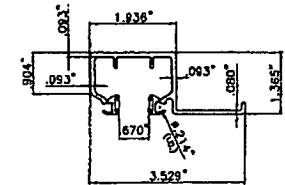
(A) HV BLADE # 1
COVERED UNDER US PATENT # 5458179



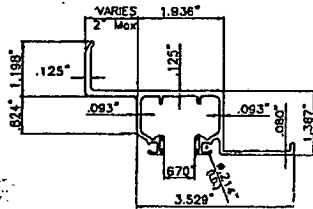
(B) HV CEILING HEADER # 1



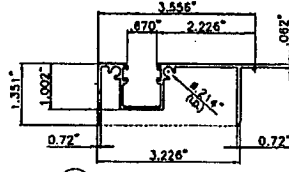
(C) HV 1" (Max.) B/O HEADER/SILL # 1



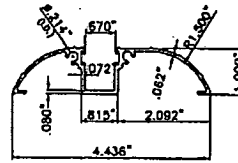
(E) HD CEILING HEADER/SILL # 2



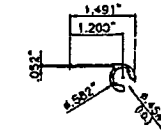
(F) HD 2" (Max.) B/O HEADER/SILL # 2



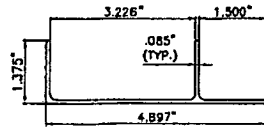
(I) HV ADJ. TRACK



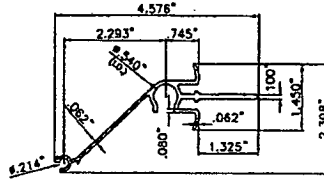
(J) HV WALK-OVER TRACK



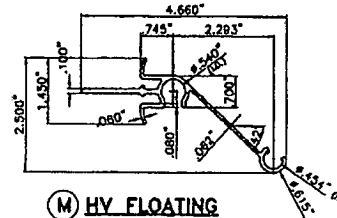
(K) HV 90°/180° STARTER



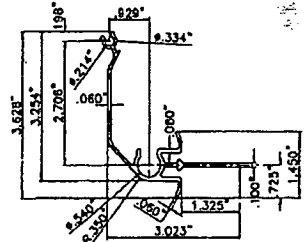
(H) HV ADJ. ADAPTER W/LIP



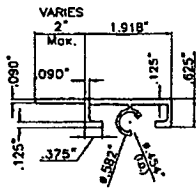
(L) HV CENTERMATE # 1
(SELF MATING)



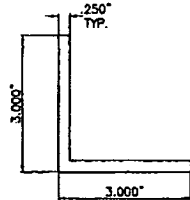
(M) HV FLOATING CENTERMATE # 2



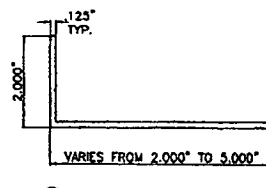
(X) HV CORNER CENTERMATE # 3



(N) H.V. 2" (Max.) DIRECT MOUNT



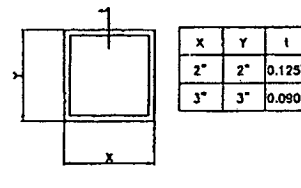
(O) 3" FLOOR ANGLE



(Q) B.O. WALL ANGLE

X	Y	t
1"	1"	0.062"
1"	2"	0.062"
2"	2"	0.062"
2"	3"	0.062"
2"	4"	0.062"
2"	5"	0.062"

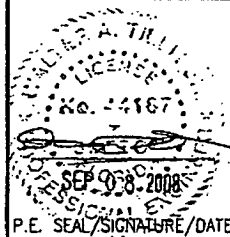
(R) SIDE ANGLE



(S) CORNER POST

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

© 2008 EASTERN METAL SUPPLY, INC.



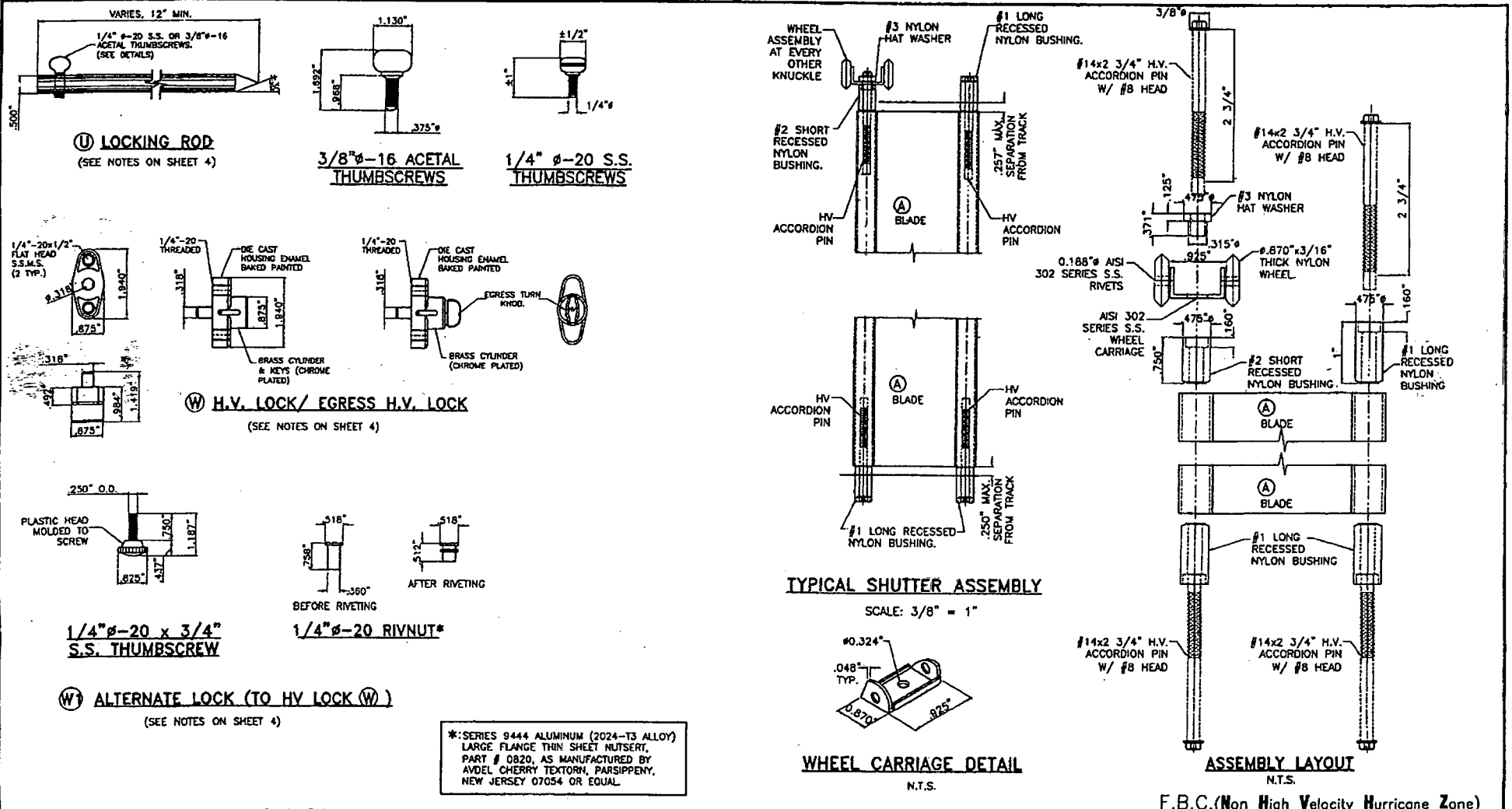
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tillitco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

A.S.S.A.

American Shutter Systems
Association, Inc.
4268 Westroads Drive
West Palm Beach, FL 33407
Ph: (877)999-2772 FAX: (561)209-8380

BERTHA HV™
Accordion Shutter System

REV. No	DESCRIPTION	DATE	Drawn by: F.P.
1	OLD DR-106	9/05/08	DATE: 09/05/08
2			DRAWING No
3			08-227
4			SHEET
5			2 OF 14
6			



*: 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.

WALTER A. TILLIT, P.E.
LICENSE
SEP 08 2008
P.E. SEAL/SIGNATURE/DATE

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1530 Fax: (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT, P.E.
FLORIDA Lic. # 44167

A.S.S.A.
American Shutter Systems
Association, Inc.
4268 Westroads Drive
West Palm Beach, FL 33407
Ph: (877)999-2772 FAX: (561)209-8380

© 2008 EASTERN METAL SUPPLY, INC.

BERTHA HV™
Accordion Shutter System

REV. No	DESCRIPTION	DATE	Drawn by: F.P.
1	OLD 08-198	1/06/08	DATE: 08/05/08
2			DRAWING No
3			08-227
4			SHEET
5			3 OF 14
6			

* **NOTES ON LOCKING RODS (L), HV LOCK (W) AND ALTERNATE (W1) LOCK:**

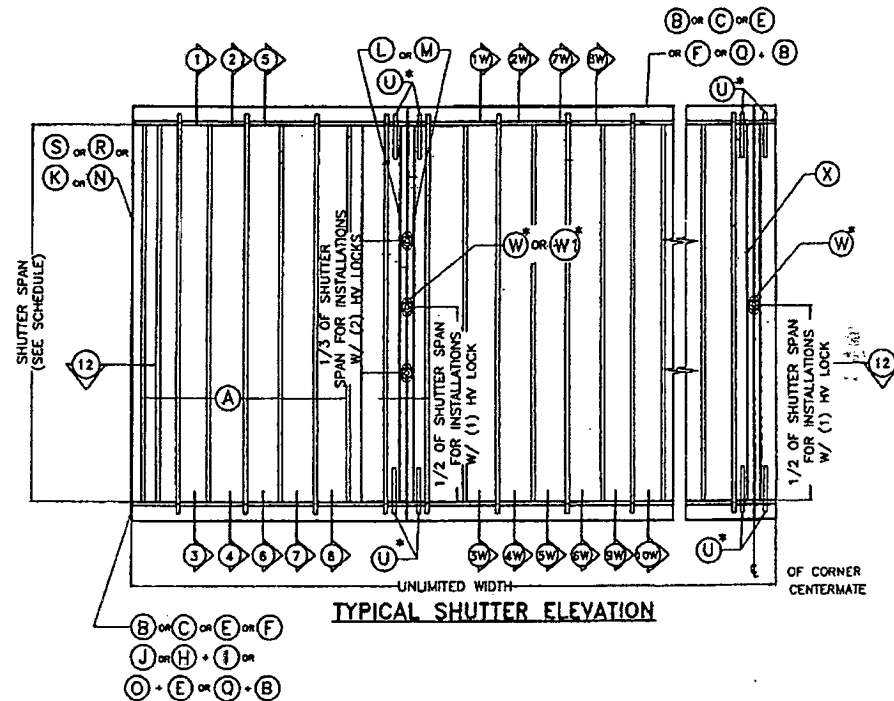
1. **MANDATORY CONDITION #1:** ONE HV LOCK (W) SHALL BE USED FOR ANY SPAN AND INSTALLATIONS AT ANY ELEVATION. HV LOCK (W) MAY BE USED AS AN INSIDE OR OUTSIDE LOCK, ATTACHED TO (L) OR (M) CENTERMATES W/(2) 1/4"φ-20 x 1/2" LONG FLAT HEAD S.S. M.S. LOCATION OF LOCK SHALL BE AS INDICATED ON TYPICAL SHUTTER ELEVATION.

2. **OPTIONAL CONDITION #1:** IF DESIRED, FOR BETTER PERFORMANCE OR FOR SECURITY PURPOSES, UP TO TWO HV LOCKS (W) MAY BE USED AS AN INSIDE OR OUTSIDE LOCK. CONNECTION OF LOCKS TO CENTERMATES (L) OR (M) SHALL BE AS INDICATED ON NOTE (1) ABOVE. LOCATION OF LOCKS SHALL BE AS INDICATED ON TYPICAL SHUTTER ELEVATION.

3. **OPTIONAL CONDITION #2:** LOCKING RODS (L) ARE NOT REQUIRED AT HURRICANE POSITION, BUT MAY BE USED IF DECIDED TO ENHANCE SHUTTER PERFORMANCE. LOCKING RODS (L) OR AN ALTERNATIVE DEVICE MAY ALSO BE USED AT STACKING POSITION (NON HURRICANE POSITION).

4. **MANDATORY CONDITION #2:** ONE HV LOCK (W) SHALL BE USED AT CORNER CENTERMATES FOR ANY SPAN AND INSTALLATIONS AT ANY ELEVATION. HV LOCK (W) SHALL BE USED AS AN OUTSIDE OR INSIDE LOCK, ATTACHED TO (X) CORNER CENTERMATE W/(2) 1/4"φ-20 x 1/2" LONG FLAT HEAD S.S. M.S. TWO LOCKING RODS (L) AT TOP & BOTTOM SHALL BE USED. LOCATION OF LOCK SHALL BE AS INDICATED ON TYPICAL SHUTTER ELEVATION. MAXIMUM SHUTTER SPAN SHALL BE DETERMINED AS PER SCHEDULES SHOWN ON SHEET 9.

5. **ALTERNATE TO MANDATORY CONDITION #1 VALID ONLY FOR SYMMETRICAL CENTERMATES:** ONE ALTERNATE LOCK (W1) MAY BE USED IN LIEU OF HV LOCK (W) FOR ANY SPAN AND INSTALLATIONS AT ANY ELEVATION. ALTERNATE LOCK (W1) MAY BE USED AS AN INSIDE OR OUTSIDE LOCK. ATTACHMENT OF 1/4"φ-20x3/4" S.S. THUMBSCREW TO (L) OR (M) CENTERMATES SHALL BE MADE W/ 1/4"φ-20x3/4" ALUM. RIVNUT AS SHOWN ON ALTERNATE SECTION 12, SHEET 7.



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

© 2008 EASTERN METAL SUPPLY, INC.

P.E. SEAL/SIGNATURE/DATE

TILTECO INC.

 TILLIT TESTING & ENGINEERING COMPANY

 6355 N.W. 36th St., Ste. 308, VIRGINIA GARDENS, FLORIDA 33166

 Phone : (305)871-1530 Fax : (305)871-1531

 e-mail: tilteco@aol.com

 EB-0008719

 WALTER A. TILLIT JR. P.E.

 FLORIDA Lic. # 44167

A.S.S.A.

 American Shutter Systems

 Association, Inc.

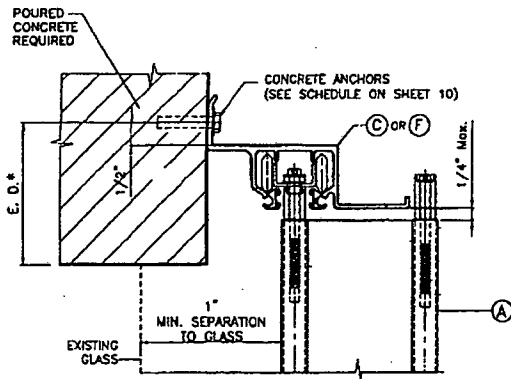
 4268 Westroads Drive

 West Palm Beach, FL 33407

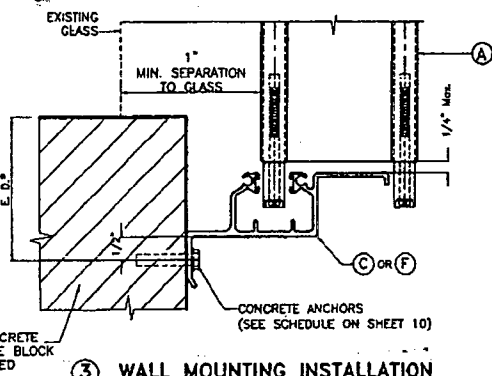
 Ph: (877)999-2772 FAX: (561)209-8380

BERTHA HV™
Accordian Shutter System

REV. No	DESCRIPTION	DATE	Drawn by: F.P.
1	OLD 08-198	9/09/08	DATE: 09/05/08
2			DRAWING No
3			08-227
4			SHEET
5			4 OF 14
6			



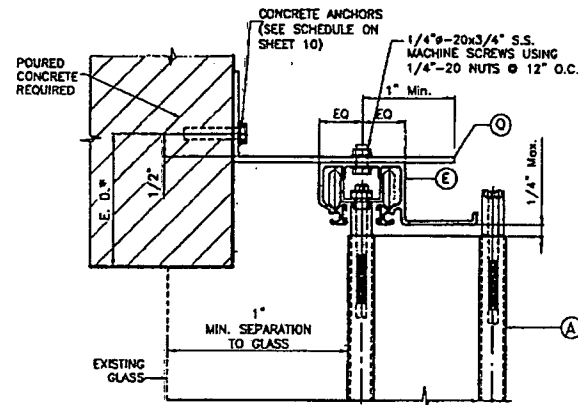
① WALL MOUNTING INSTALLATION



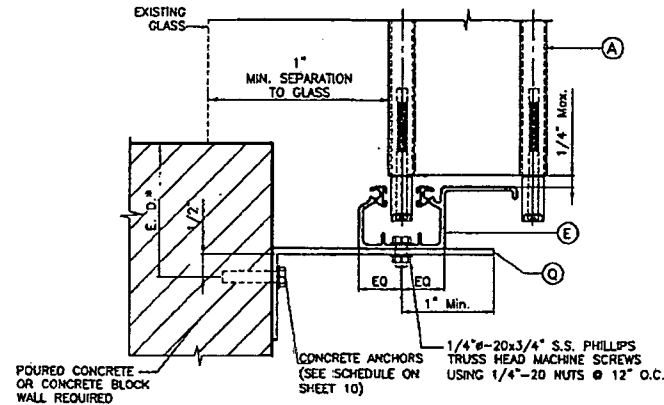
② WALL MOUNTING INSTALLATION



③ WALL MOUNTING INSTALLATION



④ WALL MOUNTING INSTALLATION



④ WALL MOUNTING INSTALLATION

NOTE FOR COMBINATION OF SECTIONS:
 1- SEE SHEET 3 FOR TYPICAL SHUTTER ASSEMBLY
 2- MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

* E. D. = EDGE DISTANCE
 (SEE NOTES & SCHEDULE ON SHEET 11)

INSTALLATION DETAILS

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

© 2008 EASTERN METAL SUPPLY, INC.

WALTER A. TILLIT
 LICENSEE
 No. 24167
 SEP 08 2008
 P.E. SEAL/SIGNATURE/DATE



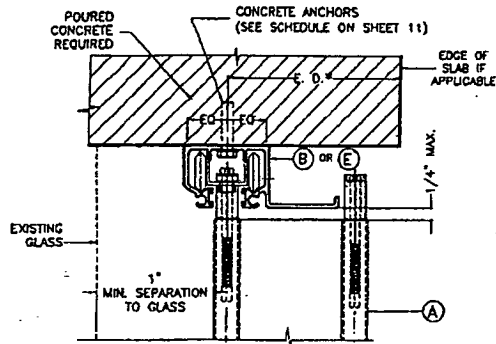
TILLIT TESTING & ENGINEERING COMPANY
 6355 N.W. 30th. St., Sta. 305, VIRGINIA GARDENS, FLORIDA 33168
 Phone : (305)871-1530 . Fax : (305)871-1531
 e-mail: tilteco@aol.com
 EB-006719
 WALTER A. TILLIT Jr., P.E.
 FLORIDA Lic. # 44167

A.S.S.A.

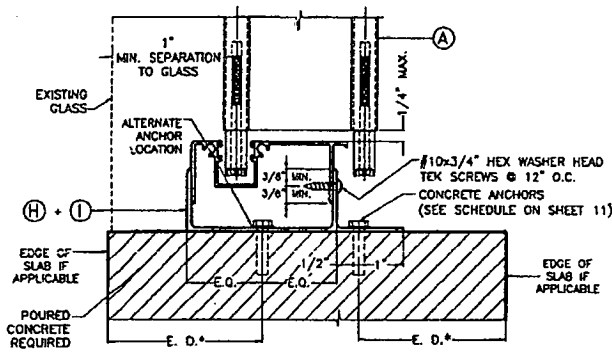
American Shutter Systems Association, Inc.
 4268 Westroads Drive
 West Palm Beach, FL 33407
 Ph: (877)999-2772 FAX: (561)209-8380

BERTHA HV™
Accordion Shutter System

REV. No.	DESCRIPTION	DATE	Drawn by: F.P.
1	OLD 08-194	9/09/08	DATE: 09/05/08
2			DRAWING No
3			08-227
4			SHEET
5			5 OF 14
6			

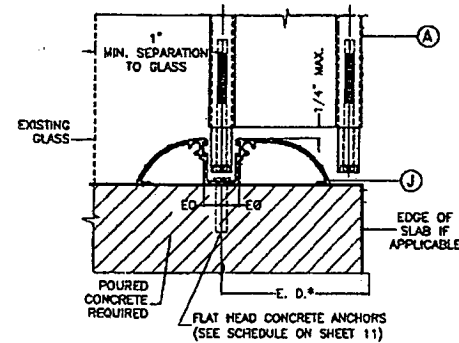


⑤ CEILING MOUNTING INSTALLATION

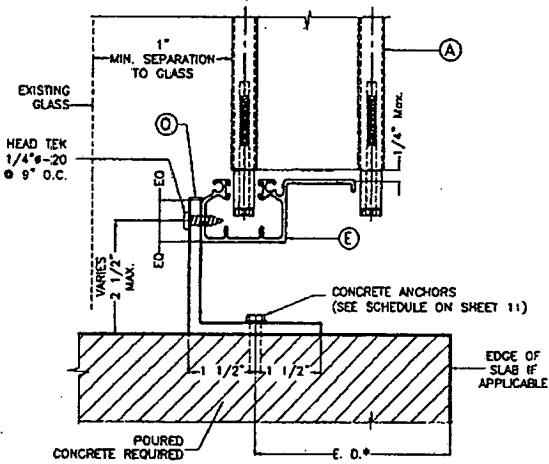


⑦ FLOOR MOUNTING INSTALLATION †

† NOTE:
THIS INSTALLATION SHALL BE REMOVABLE WHEN PERFORMED ADJACENT TO AN OPERABLE EXIT OR ENTRANCE.



⑥ WALK-OVER MOUNTING INSTALLATION



⑧ FLOOR MOUNTING INSTALLATION †

NOTE FOR COMBINATION OF SECTIONS:
1- SEE SHEET 3 FOR TYPICAL SHUTTER ASSEMBLY
2- MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.
* E. D. = EDGE DISTANCE (SEE NOTES & SCHEDULE ON SHEET 11)

INSTALLATION DETAILS

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

© 2008 EASTERN METAL SUPPLY, INC.

WALTER A. TILLY
LICENSEE
SEP 8 2008
P.E. SEAL SIGNATURE DATE

TILECO INC.

TILLIT TESTING & ENGINEERING COMPANY
3355 N.W. 36th. St. Ste. 305, VEROHA GARDENS, FLORIDA 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tileco@aol.com
EB-0008719
WALTER A. TILLY J. P.E.
FLORIDA Lic. # 44167

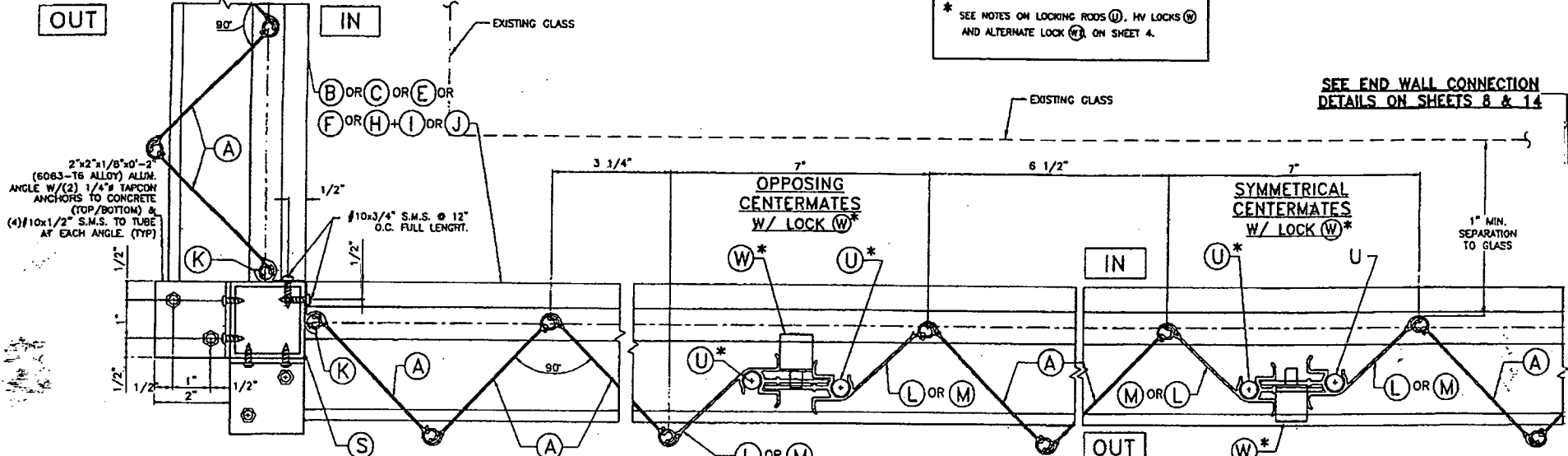
A.S.S.A.

American Shutter Systems
Association, Inc.
4268 Westroads Drive
West Palm Beach, FL 33407
Ph: (877)999-2772 FAX: (561)209-8380

BERTHA HV™
Accordion Shutter System

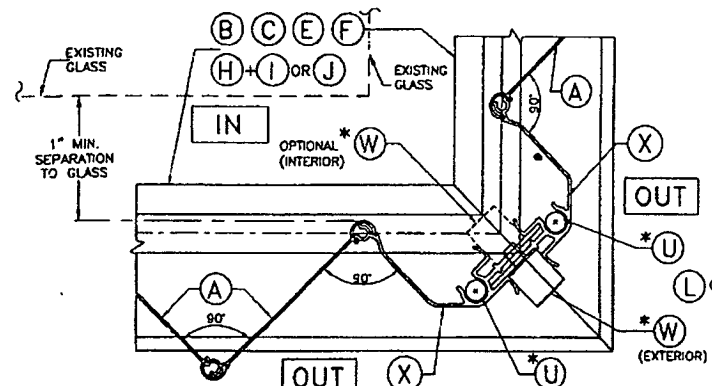
REV. No	DESCRIPTION	DATE	Drawn by: F.P.
1	OLD 08-108	1/08/08	DATE: 08/05/08
2			DRAWING No 08-227
3			
4			SHEET 6 OF 14
5			
6			

SEE END WALL CONNECTION DETAILS ON SHEETS 8 & 14

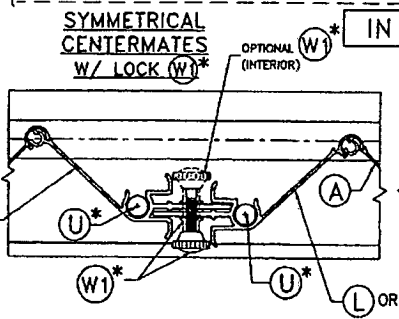


* SEE NOTES ON LOCKING ROOS (U), HV LOCKS (W) AND ALTERNATE LOCK (W1) ON SHEET 4.

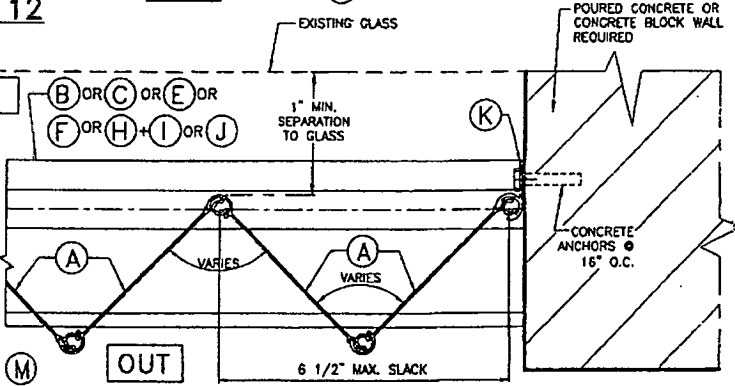
SEE END WALL CONNECTION DETAILS ON SHEETS 8 & 14



SECTION 12 AT CORNER CENTERMATE #3



ALTERNATE SECTION 12



SECTION 12 AT SLACK DETAIL (IF APPLICABLE)

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

© 2008 EASTERN METAL SUPPLY, INC.

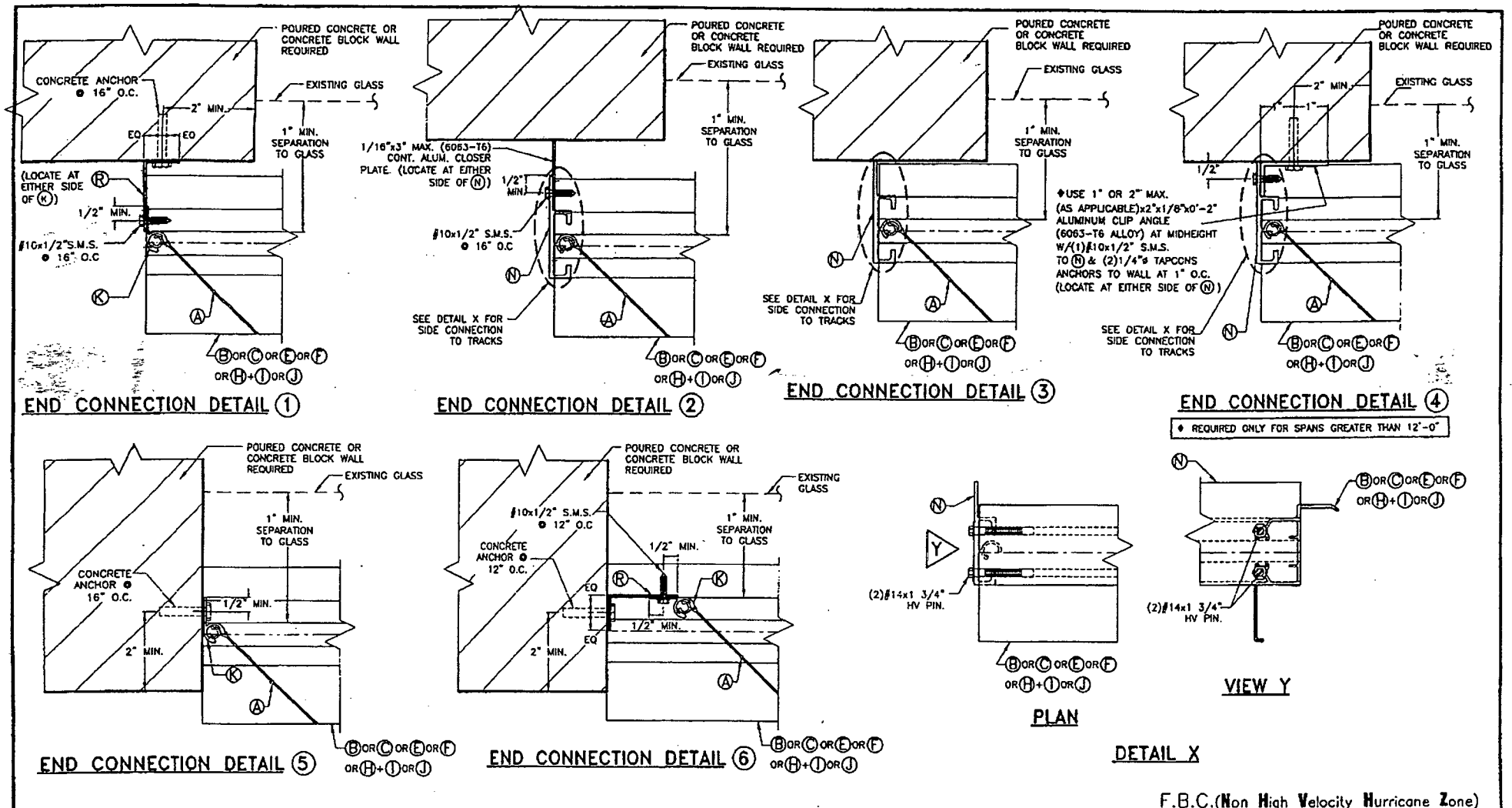
WALTER A. TILLIT JR. P.E.
 License No. 44167
 SEP 08 2008
 P.E. SEAL/SIGNATURE/DATE

TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 4335 N.W. 39th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33196
 Phone : (305)871-1530 • Fax : (305)871-1531
 e-mail: tileco@aol.com
 EB-0008719
 WALTER A. TILLIT JR. P.E.
 FLORIDA Lic. # 44167

A.S.S.A.
 American Shutter Systems
 Association, Inc.
 4268 Westroads Drive
 West Palm Beach, FL 33407
 Ph: (877)999-2772 FAX: (561)209-8380

BERTHA HV™
 Accordion Shutter System

REV. No	DESCRIPTION	DATE	Drawn by: F.P.
1	OLD 05-106	6/05/08	DATE: 09/05/08
2			DRAWING No
3			08-227
4			SHEET
5			7 OF 14
6			



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

© 2008 EASTERN METAL SUPPLY, INC.

WALTER A. TILLIT JR. LICENSE No. 44167
 SEP-08-2008
 P.E. SEAL/SIGNATURE/DATE

TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
 4333 N.W. 36th. St. Ste. 303, VIRGINIA GARDENS, FLORIDA 33166
 Phone : (305)871-1530 Fax : (305)871-1531
 e-mail: tilteco@aol.com
 EB-0008719
 WALTER A. TILLIT JR. P.E.
 FLORIDA Lic. # 44167

A.S.S.A.

American Shutter Systems Association, Inc.
 4268 Westroads Drive
 West Palm Beach, FL 33407
 Ph: (877)999-2772 FAX: (561)209-8380

BERTHA HV™
 Accordion Shutter System

REV. No.	DESCRIPTION	DATE	Drawn by: F.P.
1	OLD DS-199	9/05/08	DATE: 09/05/08
2			DRAWING No
3			08-227
4			SHEET
5			8 OF 14
6			

MAXIMUM SHUTTER SPAN
"L+" OR "L-" (ft.) INSTALLATIONS
W/ SYMMETRICAL CENTERMATES,
ONE HV LOCK & NO LOCKING RODS *
(SEE NOTE †)

MAXIMUM DESIGN LOAD (p.s.f.) (+ OR -)	CONCRETE & WOOD INSTALLATIONS ▲			
	WALL MOUNTING		FLOOR/CEILING MOUNTING	
	L+ (ft.)	L- (ft.)	L+ (ft.)	L- (ft.)
30 OR LESS	16'-0"	16'-0"	16'-0"	16'-0"
35	14'-10"	14'-10"	15'-2"	16'-0"
40	13'-10"	13'-10"	14'-2"	15'-2"
45	13'-1"	13'-1"	13'-4"	14'-3"
50	12'-5"	12'-5"	12'-8"	13'-7"
55	11'-10"	11'-10"	12'-1"	12'-11"
60	11'-4"	11'-4"	11'-7"	12'-4"
65	10'-10"	10'-10"	11'-1"	11'-11"
70	10'-6"	10'-6"	10'-9"	11'-5"
75	10'-1"	10'-1"	10'-4"	11'-1"
80	9'-10"	9'-10"	10'-0"	10'-9"
85	9'-6"	9'-6"	9'-9"	10'-5"
90	9'-3"	9'-3"	9'-5"	10'-1"
95	9'-0"	8'-9"	9'-2"	9'-10"
100	8'-9"	8'-4"	8'-0"	9'-7"
105	8'-7"	7'-11"	8'-9"	9'-4"
110	8'-4"	7'-7"	8'-7"	9'-2"
115	8'-2"	7'-3"	8'-4"	8'-11"
120	8'-0"	6'-11"	8'-2"	8'-9"
125	7'-10"	6'-8"	8'-0"	8'-5"
130	7'-8"	6'-5"	7'-10"	8'-1"
135	7'-7"	6'-2"	7'-9"	7'-9"
140	7'-5"	5'-11"	7'-7"	7'-6"
145	7'-3"	5'-9"	7'-5"	7'-3"
150	7'-2"	5'-7"	7'-4"	7'-0"
155	7'-0"	5'-5"	7'-2"	6'-9"
160	6'-11"	5'-2"	7'-1"	6'-7"
165	6'-10"	5'-1"	7'-0"	6'-4"
170	6'-9"	4'-11"	6'-11"	6'-2"
175	6'-7"	4'-9"	6'-9"	6'-0"
180	6'-6"	4'-8"	6'-8"	5'-10"
185	6'-5"	4'-6"	6'-7"	5'-8"
190	6'-4"	4'-5"	6'-6"	5'-6"
195	6'-3"	4'-3"	6'-5"	5'-5"
200	6'-2"	4'-2"	6'-4"	5'-3"
205	6'-1"	4'-1"	6'-3"	5'-1"

MAXIMUM SHUTTER SPAN
"L+" OR "L-" (ft.)
INSTALLATIONS W/
OPPOSING CENTERMATES,
ONE HV LOCK & NO
LOCKING RODS *
(SEE NOTE †)

MAXIMUM DESIGN LOAD (p.s.f.) (+ OR -)	CONCRETE & WOOD INSTALLATIONS ▲	
	WALL MOUNTING & FLOOR/CEILING MOUNTING	
	L+ (ft.)	L- (ft.)
30	16'-0"	16'-0"
35	14'-10"	14'-10"
40	13'-10"	13'-10"
45	13'-1"	13'-1"
50	12'-5"	12'-5"
55	11'-10"	11'-10"
60	11'-4"	11'-4"
65	10'-10"	10'-10"
70	10'-6"	10'-6"
75	10'-1"	10'-1"
80	9'-10"	8'-10"
85	9'-6"	9'-6"
90	9'-3"	9'-3"
95	9'-0"	8'-9"
100	8'-9"	8'-4"
105	8'-7"	7'-11"
110	8'-4"	7'-7"
115	8'-2"	7'-3"
120	8'-0"	6'-11"
125	7'-10"	6'-8"
130	7'-8"	6'-5"
135	7'-7"	6'-2"
140	7'-5"	5'-11"
145	7'-3"	5'-9"
150	7'-2"	5'-7"
155	7'-0"	5'-5"
160	6'-11"	5'-2"
165	6'-10"	5'-1"
170	6'-9"	4'-11"
175	6'-7"	4'-9"
180	6'-6"	4'-8"
185	6'-5"	4'-6"
190	6'-4"	4'-5"
195	6'-3"	4'-3"
200	6'-2"	4'-2"
205	6'-1"	4'-1"

INSTALLATION LEGEND		
	CONCRETE & MANSORY	WOOD
WALL MOUNTING	1, 2, 3 & 4	1W, 2W, 3W, 4W, 5W & 6W
FLOOR/CEILING MOUNTING	5, 6, 7 & 8	8W, 9W & 10W

▲ MAXIMUM SHUTTER SPAN "L+" OR "L-" FOR INSTALLATIONS INTO WOOD SHALL BE LIMITED TO 110 psf. DESIGN LOAD.

† CORNER CENTERMATE #3 MAY BE USED AT ALL MOUNTING INSTALLATIONS. LOCKING SPECIFICATIONS SHALL BE AS INDICATED ON MANDATORY CONDITION #2 NOTE #4, SHEET 4 OF 14

NOTES:

(1) L+: MAXIMUM ALLOWABLE SPAN FOR A GIVEN POSITIVE DESIGN LOAD.
L-: MAX. ALLOWABLE SPAN FOR A GIVEN NEGATIVE DESIGN LOAD.

(2) PROCEDURE TO DETERMINE MAXIMUM SPAN FOR WALL MOUNTINGS (TOP/BOTTOM) OR FLOOR/CEILING:

GIVEN A POSITIVE DESIGN LOAD, DETERMINE MAXIMUM SPAN "L+" FROM SCHEDULE.
GIVEN A NEGATIVE DESIGN LOAD, DETERMINE MAXIMUM SPAN "L-" FROM SCHEDULE.

FINAL MAXIMUM ALLOWABLE SPAN IS EQUAL TO THE MINIMUM DETERMINED SPAN BETWEEN "L+" AND "L-".

(3) PROCEDURE TO DETERMINE MAXIMUM SPAN FOR COMBINATIONS IN BETWEEN WALL MOUNTINGS W/ FLOOR/CEILING MOUNTINGS:

FOR A GIVEN POSITIVE DESIGN LOAD:

DETERMINE:
L1+ = MAX. SPAN FOR WALL MOUNTING INSTALLATIONS.
L2+ = MAX. SPAN FOR FLOOR/CEILING MOUNTING INSTALLATIONS.

FOR A GIVEN NEGATIVE DESIGN LOAD:

DETERMINE:
L1- = MAX. SPAN FOR WALL MOUNTING INSTALLATIONS.
L2- = MAX. SPAN FOR FLOOR/CEILING MOUNTING INSTALLATIONS.

FINAL MAXIMUM ALLOWABLE SPAN IS EQUAL TO THE MINIMUM BETWEEN "L1+", "L2+", "L1-" AND "L2-".

(4) GO TO ANCHOR SCHEDULE WITH FINAL MAXIMUM ALLOWABLE SPAN AND NEGATIVE DESIGN LOAD TO DETERMINE MAXIMUM ANCHOR SPACING.

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

© 2008 EASTERN METAL SUPPLY, INC.

BERTHA HV™
Accordion Shutter System

REV. No.	DESCRIPTION	DATE	Drawn by: F.P.
1	OLD 08-118	9/05/08	DATE: 09/05/08
2			
3			
4			
5			
6			

DRAWING No
08-227

SHEET
9 OF 14



P.E. SEAL/SIGNATURE/DATE



TILLIT TESTING & ENGINEERING COMPANY
6335 N.W. 36th St., Ste. 305, VINCENI GARDENS, FLORIDA 33186
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: UKaco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

A.S.S.A.

American Shutter Systems
Association, Inc.
4268 Westroads Drive
West Palm Beach, FL 33407
Ph: (877)999-2772 FAX: (561)209-8380

ANCHORS SPACING LEGEND

TAPCON
ALL POINTS SOLID-SET
WEDGE-BOLT

MAXIMUM DESIGN PRESSURE RATING (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR* SPACING (in.) SCHEDULE FOR A GIVEN MAX. SHUTTER SPAN, DESIGN NEGATIVE LOAD AND A CORRESPONDING MOUNTING TYPE FOR CONCRETE INSTALLATIONS
(SEE MOUNTINGS 5, 6, 7, & 8 ON SHEET 6).

MAXIMUM SPAN (ft)	POURED CONCRETE																																							
	CEILING MOUNTING 5					FLOOR MOUNTING 6					FLOOR MOUNTING 7					FLOOR MOUNTING 8																								
	NEGATIVE DESIGN LOAD (psf)					NEGATIVE DESIGN LOAD (psf)					NEGATIVE DESIGN LOAD (psf)					NEGATIVE DESIGN LOAD (psf)																								
	30	40	60	75	90	120	160	205	30	40	60	75	90	120	160	205	30	40	60	75	90	120	160	205	30	40	60	75	90	120	160	205								
3'-0" OR LESS	14	12	10	8	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6
4'-0"	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6
5'-0"	14	12	10	9	8	8	6	5.5	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	5
6'-0"	14	12	10	9	8	8	6	5	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	5
7'-0"	14	12	10	9	8	8	6	4.5	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	5
8'-0"	14	12	10	9	8	8	6	4	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	5
9'-0"	14	12	10	8	8	8	6	5	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	5
10'-0"	14	12	10	9	8	8	6	5	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	5
11'-0"	14	12	10	8	8	8	6	5	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	5
12'-0"	14	12	10	9	8	8	6	5	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	6	14	12	10	9	8	8	6	5
13'-0"	13.5	10	8.5	5.5	4.5	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8
14'-0"	12.5	9.5	8	5	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	
15'-0"	11.5	7.5	6	5	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	
16'-0"	10.5	6.5	5	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8	14	12	10	9	8		

***NOTES ON ANCHOR REQUIREMENTS: POURED CONCRETE OR CONCRETE BLOCK SUBSTRATES**

- ANCHORS TO WALL SHALL BE AS FOLLOWS:
 - (A) TO EXISTING POURED CONCRETE (Min. f_c = 3 ksi)
 - 1/4" TAPCON ANCHORS, AS MANUFACTURED BY L.T.W. RAMSET/ RED HEAD.
 - 1/4" x 3/4" ALL POINTS SOLID-SET ANCHORS AS DISTRIBUTED BY ALL POINTS SCREW, BOLT & SPECIALTY COMPANY.
 - 1/4" WEDGE-BOLT ANCHORS AS MANUFACTURED BY POWERS FASTENING, INC.

NOTES:
A.1) MINIMUM EMBEDMENT INTO POURED CONCRETE OF TAPCON ANCHORS IS 1 3/4", AND 2" FOR WEDGE-BOLT ANCHORS.

A.2) MINIMUM EMBEDMENT OF 1/4" x 3/4" ALL POINTS SOLID-SET ANCHORS SHALL BE 7/8" INTO THE POURED CONCRETE. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4" #20 S.S. MACHINE SCREW 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, PAVERS OR ANY VENEER BE FOUND ON THE EXISTING WALL OR FLOOR, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SAID WALL FINISHES. ANCHORAGE SHALL BE AS INDICATED ON NOTES A.1) & A.2) ABOVE. FOR INSTALLATIONS ON VINYL SIDING OR EPS CONSULT THIS ENGINEER.

(B) TO EXISTING CONCRETE BLOCK WALL:
- 1/4" TAPCON ANCHORS, AS MANUFACTURED BY L.T.W. RAMSET/ RED HEAD.
- 1/4" x 3/4" ALL POINTS SOLID-SET ANCHORS AS DISTRIBUTED BY ALL POINTS SCREW, BOLT & SPECIALTY COMPANY.
- 1/4" WEDGE-BOLT W/ 1/4" BLOCK-PLUG ANCHORS AS MANUFACTURED BY POWERS FASTENING, INC.

NOTES:
B.1) MINIMUM EMBEDMENT INTO CONCRETE BLOCK OF TAPCON & WEDGE-BOLT ANCHORS, IS 1 1/4".

B.2) MINIMUM EMBEDMENT OF 1/4" x 3/4" ALL POINTS SOLID-SET ANCHORS SHALL BE ENTIRELY EMBEDDED INTO THE CONCRETE BLOCK. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4" #20 S.S. MACHINE SCREW 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, PRECAST CONCRETE PANELS, PAVERS OR ANY VENEER BE FOUND ON THE EXISTING WALL OR FLOOR, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SAID WALL FINISHES. ANCHORAGE SHALL BE AS INDICATED ON NOTES B.1) & B.2) ABOVE. FOR INSTALLATIONS ON VINYL SIDING OR EPS CONSULT THIS ENGINEER.

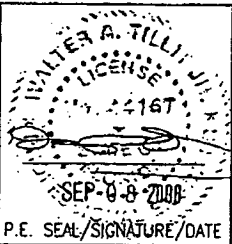
(C) ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.

(D) SEE SCHEDULE BELOW FOR EDGE DISTANCE (E.D.) VERSUS SPACING RELATIONSHIP FOR ANCHORS.

EDGE DISTANCE VERSUS SPACING FOR ANCHORS			
MAXIMUM ANCHOR SPACINGS ARE VALID FOR 3 1/2" EDGE DISTANCE FOR 1/4" TAPCON AND SOLID SET AND WEDGE-BOLT FOR E. O. LESS THAN THE ABOVE MENTIONED, REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. (NOTE: MIN. E. D. FOR ALL POINT SOLID SET ANCHORS IS 3"). REDUCED SPACING OBTAINED USING FACTOR SHALL NOT BE LESS THAN MINIMUM SPACING INDICATED FOR EACH ANCHOR TYPE.			
ACTUAL E. D.	FACTOR		
	WEDGE-BOLT MIN. SPACING = 3"	1/4" TAPCON MIN. SPACING = 3"	SOLID SET MIN. SPACING = 3.5"
3"	0.63	-	0.78
2 1/2"	0.65	-	-
2"	0.50	-	-
1 1/2"	-	0.35	-

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

© 2008 EASTERN METAL SUPPLY, INC.



TILTECO INC.
TILIT TESTING & ENGINEERING COMPANY
4355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FLORIDA 33180
Phone : (305)871-1530 Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0066719
WALTER A. TILIT Jr. P.E.
FLORIDA Lic. # 44167

A.S.S.A.
American Shutter Systems
Association, Inc.
4268 Westroads Drive
West Palm Beach, FL 33407
Ph: (877)999-2772 FAX: (561)209-8380

BERTHA HV™
Accordion Shutter System

REV. No	DESCRIPTION	DATE	Drawn by: F.P.
1	OLD 63-118	8/25/08	DATE: 09/05/08
2			
3			
4			
5			
6			

DRAWING No
08-227
SHEET
11 OF 14

**MAXIMUM DESIGN PRESSURE RATING (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR⁺ SPACING (in.) SCHEDULE FOR
A GIVEN MAX. SHUTTER SPAN, NEGATIVE DESIGN LOAD AND A CORRESPONDING MOUNTING TYPE.**

(SEE MOUNTINGS ON SHEETS 13 & 14).

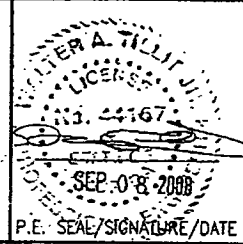
MAXIMUM SPAN (ft)	SUBSTRATE																																															
	SOUTHERN PINE No. 2 W/ MIN. G=0.55, DOUGLAS FIR W/ MIN. G=0.50										SPRUCE PINE FIR NORTH W/ MIN. G=0.43										SPRUCE PINE FIR SOUTH W/ MIN. G=0.36										1/2" MIN. CDX PLYWOOD																	
	WALL MOUNTINGS 1W, 2W, 3W & 6W					CEILING MOUNT 8W FLOOR MOUNTINGS 9W & 10W					WALL MOUNTINGS 1W, 2W, 3W & 6W					CEILING MOUNT 8W FLOOR MOUNTINGS 9W & 10W					WALL MOUNTINGS 1W, 2W, 3W & 6W					CEILING MOUNT 8W FLOOR MOUNTINGS 9W & 10W					WALL MOUNTINGS 4W & 5W																	
	NEGATIVE DESIGN LOAD (psf)					NEGATIVE DESIGN LOAD (psf)					NEGATIVE DESIGN LOAD (psf)					NEGATIVE DESIGN LOAD (psf)					NEGATIVE DESIGN LOAD (psf)					NEGATIVE DESIGN LOAD (psf)					NEGATIVE DESIGN LOAD (psf)																	
	30	40	60	75	90	105	30	40	60	75	90	105	30	40	60	75	90	105	30	40	60	75	90	105	30	40	60	75	90	105	30	40	60	75	90	105	30	40	60	75	90	105						
3'-0" OR LESS	12	10	10	9	8	8	6	6	6	6	6	6	12	10	10	9	8	8	6	6	6	6	6	6	12	10	10	9	8	8	6	6	6	6	6	6	6	5	4	4	4	3	6	5	4	4	4	3
4'-0"	12	10	10	9	8	8	6	6	6	6	6	6	12	10	10	9	8	8	6	6	6	6	6	6	12	10	10	9	8	8	6	6	6	6	6	6	6	5	4	4	4	3	6	5	4	4	4	3
5'-0"	12	10	10	9	8	8	6	6	6	6	6	5.5	12	10	10	9	8	8	6	6	6	6	6	5	12	10	10	9	8	7	6	6	6	6	6	5	6	5	4	4	4	3	6	5	4	4	4	3
6'-0"	12	10	10	9	8	6.5	6	6	6	6	5.5	4.5	12	10	10	9	8	5	6	6	6	5.5	5	4.5	12	10	10	9	6	3.5	6	6	6	5	4.5	4.5	6	5	4	4	3.5	-	6	5	4	4	3.5	-
7'-0"	12	10	10	9	6.5	4	6	6	6	5.5	4.5	4	12	10	10	9	5	3	6	6	6	5	4	3.5	12	10	10	7	3.5	-	6	6	6	5	4	3.5	6	5	4	4	-	-	6	5	4	4	-	-
8'-0"	12	10	10	7.5	4.5	3	6	6	6	5	4	3.5	12	10	10	6	3.5	-	6	6	5	4.5	3.5	3	12	10	10	4	-	-	6	6	5	4.5	3.5	3	6	5	4	-	-	-	6	5	4	-	-	-
9'-0"	12	10	10	5	3.5	-	6	6	5.5	4.5	3.5	3	12	10	9	4	-	-	6	6	4.5	4	3	3	12	10	10	4	3	-	6	6	4	3.5	3	-	6	5	4	-	-	-	6	5	4	-	-	-
10'-0"	12	10	7.5	4	-	-	6	6	5	4	3	-	12	10	6	3	-	-	6	6	4	3.5	3	-	12	10	3	-	-	-	6	6	4	3.5	3	-	6	5	4	-	-	-	6	5	4	-	-	-
11'-0"	12	10	5.5	-	-	-	6	6	4.5	-	-	-	12	10	4.5	-	-	-	6	5.5	3.5	-	-	-	12	10	-	-	-	-	6	5.5	4	-	-	-	6	5	-	-	-	-	6	5	-	-	-	-
12'-0"	12	10	4.5	-	-	-	6	6	4	-	-	-	12	10	3.5	-	-	-	6	4.5	-	-	-	-	12	7.5	-	-	-	-	6	4.5	-	-	-	-	6	4.5	-	-	-	-	6	4.5	-	-	-	-
13'-0"	12	10	-	-	-	-	6	6	-	-	-	-	12	10	-	-	-	-	6	4.5	-	-	-	-	12	7.5	-	-	-	-	6	4.5	-	-	-	-	6	4.5	-	-	-	-	6	4.5	-	-	-	-
14'-0"	12	10	-	-	-	-	6	5.5	-	-	-	-	12	7	-	-	-	-	5.5	4.5	-	-	-	-	12	7	-	-	-	-	5.5	4.5	-	-	-	-	6	3	-	-	-	-	6	3	-	-	-	-
15'-0"	12	-	-	-	-	-	6	-	-	-	-	-	12	-	-	-	-	-	5	-	-	-	-	-	12	-	-	-	-	-	5	-	-	-	-	-	6	-	-	-	-	-	6	-	-	-	-	-
16'-0"	12	-	-	-	-	-	6	-	-	-	-	-	12	-	-	-	-	-	5	-	-	-	-	-	12	-	-	-	-	-	5	-	-	-	-	-	6	-	-	-	-	-	6	-	-	-	-	-

+ NOTES ON ANCHORS REQUIREMENTS: WOOD SUBSTRATES.

- ANCHORS TO WALL, FLOOR OR SOLID WOOD SOFFIT SHALL BE AS FOLLOWS:
- 1/4" TAPCON ANCHORS, AS MANUFACTURED BY I.T.W. BUILDX W/ MINIMUM EMBEDMENT AS INDICATED AT EACH SECTION ON SHEETS 13 & 14.
EXCEPTION: SEE NOTE 2 BELOW.
- ANCHORS TO HOLLOW CEILING SHALL BE AS PER MOUNTING TYPE 7W, SHEET 14 AND SHALL CONSIST OF LAG SCREWS AS PER NDS 2005 SPECIFICATIONS.
- SUBSTRATE SHALL CONSIST OF THE FOLLOWING:
- SOUTHERN PINE No. 2 W/ G=0.55 (N.D.S.)
- DOUGLAS FIR W/ G=0.50 (N.D.S.)
- SPRUCE PINE FIR NORTH W/ G=0.43 (N.D.S.)
- SPRUCE PINE FIR SOUTH W/ G=0.36 (N.D.S.)
- MIN. 1/2" CDX PLYWOOD (1988 APA)
- ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.

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

© 2008 EASTERN METAL SUPPLY, INC.



TILECO INC.

TILLIT TESTING & ENGINEERING COMPANY
5355 N.W. 36th. St. Ste. 303, VIRGINA GARDENS, FLORIDA 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tileco@aol.com
EB-0005719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

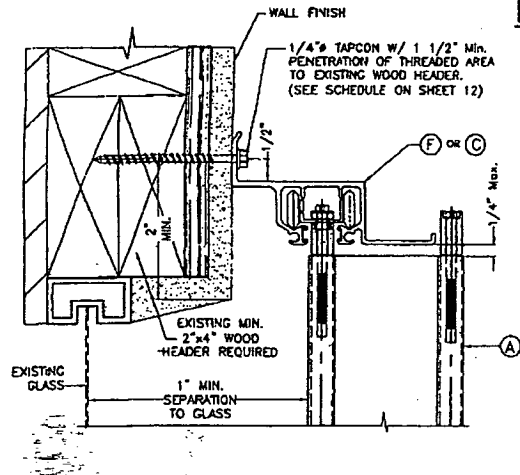
A.S.S.A.

American Shutter Systems
Association, Inc.
4268 Westroads Drive
West Palm Beach, FL 33407
Ph: (877)999-2772 FAX: (561)209-8380

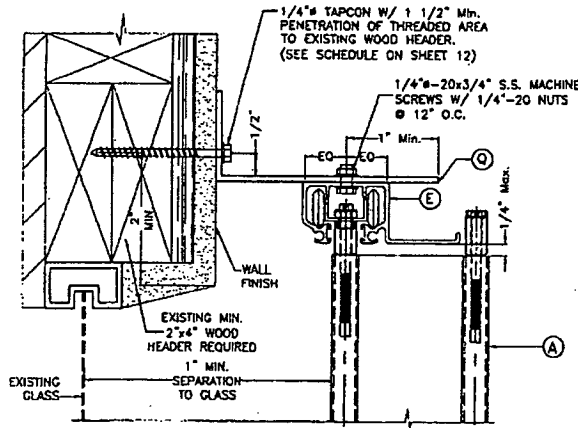
BERTHA HV™ Accordian Shutter System			
REV. No	DESCRIPTION	DATE	Drawn by: F.P.
1	OLD 06-194	4/10/06	DATE: 09/05/08
2			DRAWING No
3			08-227
4			SHEET
5			12 OF 14
6			

INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS

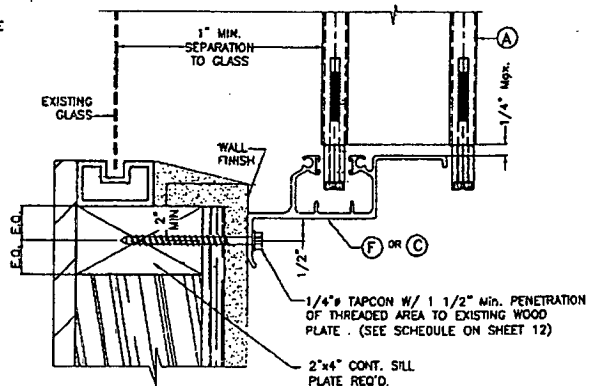
NOTE:
 1-SEE SHEET 3 FOR TYPICAL SHUTTER ASSEMBLY
 2-MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.



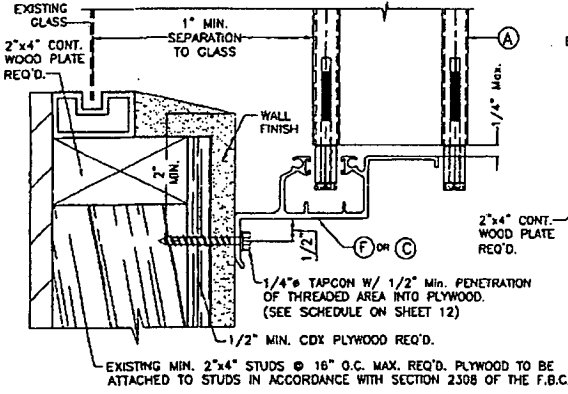
1W WALL CONNECTION AT TOP



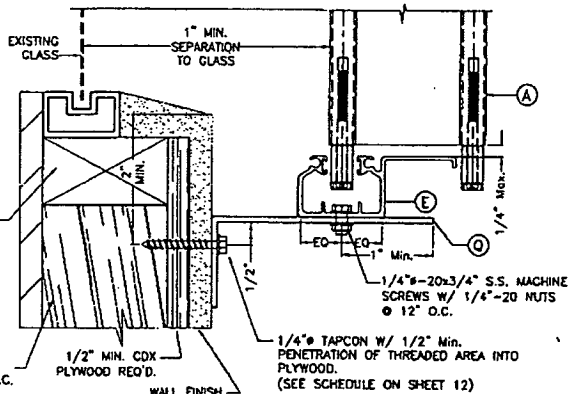
2W WALL CONNECTION AT TOP



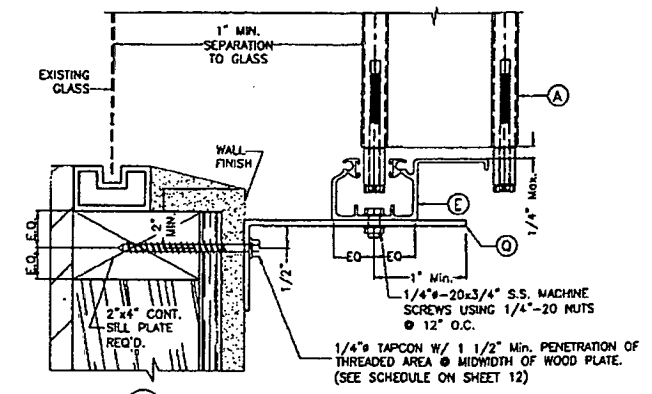
3W WALL CONNECTION AT BOTTOM



4W WALL CONNECTION AT BOTTOM



5W WALL CONNECTION AT BOTTOM



6W WALL CONNECTION AT BOTTOM

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

© 2008 EASTERN METAL SUPPLY, INC.

PROFESSIONAL ENGINEER
 LICENSE
 NO. 44367
 STATE OF FLORIDA
 SEP 08 2008
 P.E. SEAL/SIGNATURE/DATE

TILTECO INC.

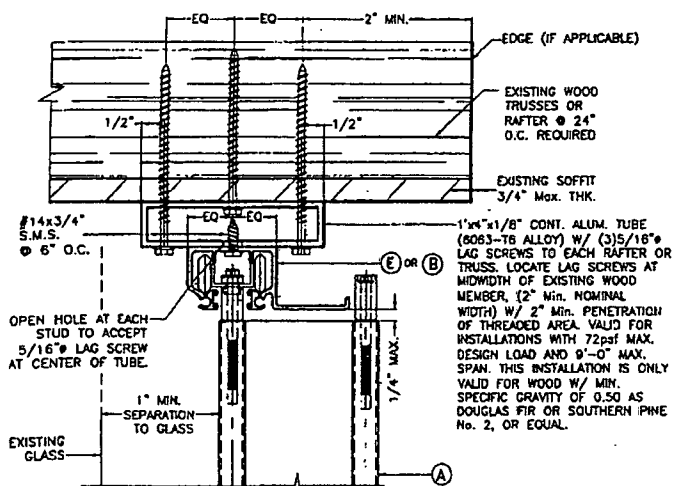
TILIT TESTING & ENGINEERING COMPANY
 3355 N.W. 36th St., Ste. 303, VIRGINIA GARDENS, FLORIDA 33168
 Phone: (305)871-1530, Fax: (305)871-1531
 e-mail: tilteco@aol.com
 EB-0006719
 WALTER A. TILIT JR. P.E.
 FLORIDA Lic. # 44167

A.S.S.A.

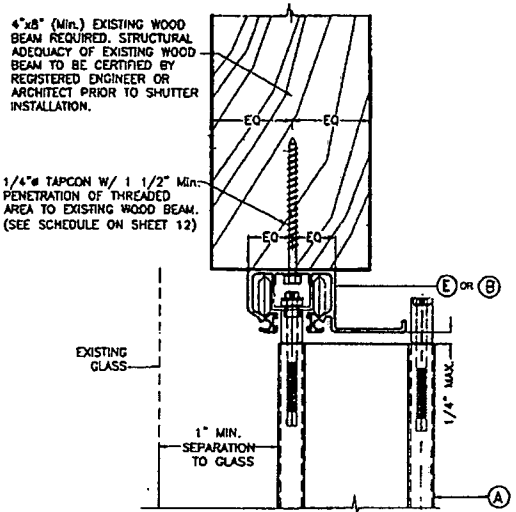
American Shutter Systems
 Association, Inc.
 4268 Westroads Drive
 West Palm Beach, FL 33407
 Ph: (877)999-2772 FAX: (561)209-8380

BERTHA HV™
 Accordion Shutter System

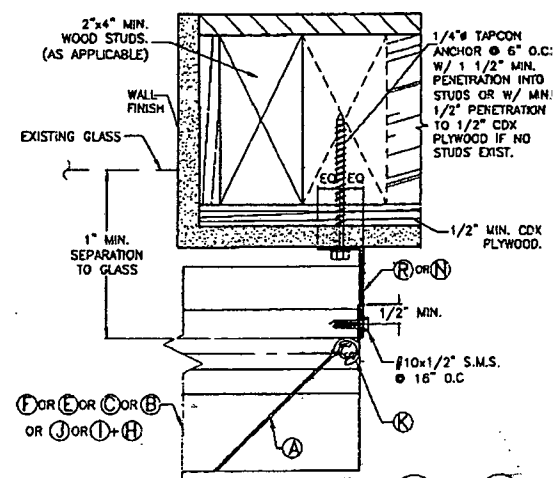
REV. No	DESCRIPTION	DATE	Drawn by: F.P.
1	OLD 05-100	1/29/08	DATE: 09/05/08
2			DRAWING No
3			08-227
4			SHEET
5			13 OF 14
6			



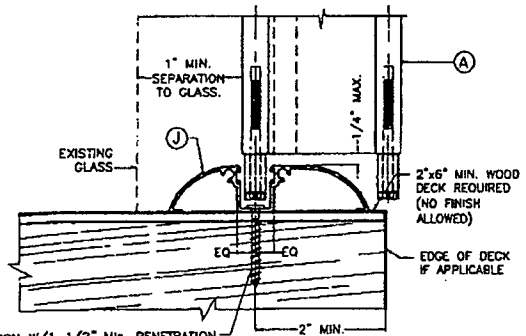
7W HOLLOW CEILING MOUNTING INSTALLATION



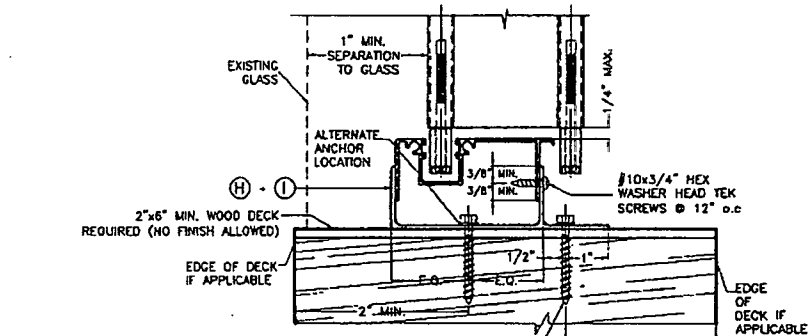
8W SOFFIT MOUNTING INSTALLATION



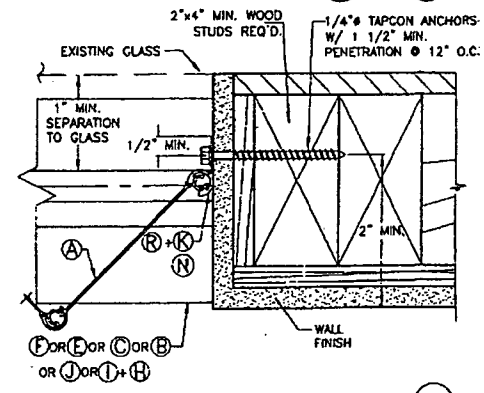
END CONNECTION DETAIL 1W & 4W



9W FLOOR CONNECTION



10W FLOOR CONNECTION



END CONNECTION DETAIL 5W

4"x8" (Min.) EXISTING WOOD BEAM REQUIRED. STRUCTURAL ADEQUACY OF EXISTING WOOD BEAM TO BE CERTIFIED BY REGISTERED ENGINEER OR ARCHITECT PRIOR TO SHUTTER INSTALLATION.

1/4" TAPCON W/ 1 1/2" MIN. PENETRATION OF THREADED AREA TO EXISTING WOOD BEAM. (SEE SCHEDULE ON SHEET 12)

1/4" TAPCON W/ 1 1/2" MIN. PENETRATION OF THREADED AREA INTO WOOD DECK. (SEE SCHEDULE ON SHEET 12)

NOTES:
1-SEE SHEET 3 FOR TYPICAL SHUTTER ASSEMBLY
2-MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

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

© 2008 EASTERN METAL SUPPLY, INC.

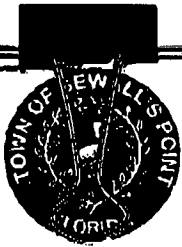
TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
4355 N.W. 38th St., Ste. 303, VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1530 Fax: (305)871-1531
e-mail: tileco@aol.com
EB-0006719
WALTER A. TRUITT JR. P.E.
FLORIDA Lic. # 44167

TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
4355 N.W. 38th St., Ste. 303, VIRGINIA GARDENS, FLORIDA 33166
Phone: (305)871-1530 Fax: (305)871-1531
e-mail: tileco@aol.com
EB-0006719
WALTER A. TRUITT JR. P.E.
FLORIDA Lic. # 44167

A.S.S.A.
American Shutter Systems
Association, Inc.
4268 Westroads Drive
West Palm Beach, FL 33407
Ph: (877)999-2772 FAX: (561)209-8380

BERTHA HV™
Accordion Shutter System

REV. No.	DESCRIPTION	DATE	Drawn by: F.P.
1	OLD 08-100	8/20/04	DATE: 09/05/08
2			DRAWING No
3			08-227
4			SHEET
5			14 OF 14
6			



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

IMPACT PROTECTION INSTALLATION AFFIDAVIT

BLDG. PERMIT NUMBER: 9511
 JOB SITE ADDRESS: 8 S Via Lucania
 CONTRACTOR/OWNER: Gulfstream Aluminum & Shutter Corp. / BRAUNE
 PHONE NUMBER: 287-8478
 QUALIFIER NAME: John L. O'Brien
 LICENSE NUMBER: CRC 058017

I John L. O'Brien, do hereby affirm:
 Owner or Contractor - Please print name

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

- Impact Resistant Glass
- Approved Shutters

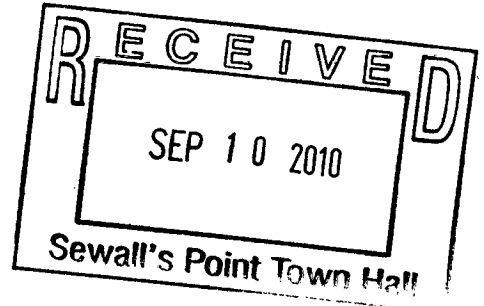
That I personally observed the complete installation of all hurricane panel/shutters on the above referenced project and further affirm that they are fitted properly for the openings they are intended to protect.

Signature of Owner or Contractor (License Holder only)

Date: 9-10-10
 Sworn to and subscribed before me this
10th Day of Sept 20 10

By Kenneth R. King
Kenneth R. King
 Notary Public, State of Florida

Personally known to me X
 Produced ID _____
 Type _____



Notary Seal/Stamp



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

TOWN OF SEWALLS POINT

BUILDING DEPARTMENT - INSPECTION LOG

Date of Inspection Mon Tue Wed Thur Fri **9-13** 2010 Page 1 of 1

PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9379	Balfourt 103 Hillcrest Balfourt Const	wire/duct	PASS	INSPECTOR <i>JA</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9511	Braune 85 Via Lucinda Gulfstream Alun	Final shutter	PASS	INSPECTOR <i>JA</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
9489 <u>1ST</u>	Hinners 8 Riverview Freedom Homes	Framing and Plumbing elec AC	FAIL	CONTRACTOR HAS LIST INSPECTOR <i>JA</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
	8 PERIWINKLE CIRCLE DUNSTON GATE CONSD. NO PERMIT			ISSUED STOP WORK ORDER INSPECTOR <i>JA</i>
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR
PERMIT #	OWNER/ADDRESS/CONTRACTOR	INSPECTION TYPE	RESULTS	COMMENTS
				INSPECTOR

MASTER PERMIT NO. _____

TOWN OF SEWALL'S POINT

Date 8/7/97

BUILDING PERMIT NO. 4232

Building to be erected for ANNA J. CREMER

Type of Permit RE-ROOF

Applied for by STEIN & Co

(Contractor)

Building Fee _____

Subdivision LUCINDA

Lot 28

Block _____

Radon Fee _____

Address 8 South Via Lucinda

Impact Fee _____

Type of structure RE-ROOF S.F. Res.

A/C Fee _____

Electrical Fee _____

Parcel Control Number:

Plumbing Fee _____

138410070000 28060000

Roofing Fee 100-

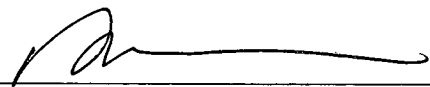
Amount Paid 100- Check # 2860 Cash _____

Other Fees (_____) _____

Total Construction Cost \$ 4800

TOTAL Fees 100-

Signed _____

Signed 

Applicant

Town Building Inspector

TOWN OF SEWALL'S POINT BUILDING PERMIT

DO NOT REMOVE UNTIL JOB IS COMPLETED

NO. 4232 DATE ISSUED 8/7/97

FOR INSPECTIONS CALL 287-2455 FROM
8:00 A.M. - 12:00 NOON AND 1:00 P.M. - 4:00 P.M.

THIS PERMIT MUST BE DISPLAYED IN FRONT OF JOB

OWNER ANNA J. CREMER
 CONTRACTOR STEIN & Co
 LOT 28 BLOCK _____ SUB LUCINDA
 NO. 8 South Via Lucinda

- 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 A.M. TO 5:00 P.M. MONDAY THRU SATURDAY.

TO CONSTRUCT RE-ROOF

REMARKS:

REQUIRED INSPECTIONS	INSPECTOR'S FINDING	INSPECTOR'S SIGNATURE
ROOF:		
A. TIN TAG		
B. FINAL		
POOL:		
A. STEEL & GROUND		
B. DECK		
C. FINAL		
DOCK:		
A. PILINGS		
B. FINAL		
FENCE:		
STORM SHUTTERS:		
OTHER:		

FINAL

TAX FOLIO NO. 1-38-41-001-000 00280-6000 DATE _____

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

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 Anna J. Cremer Present address 8 S Via Lucendia

Phone 561-286-4713

Contractor Stein Co., Inc. Address 602 S Market Ave

Phone 561-465-9468 Fl. P.O. Box 3498

Where Licensed State of Florida License number CC CA 42775

Roofing Electrical Contractor License number CC CA 42775

Plumbing Contractor License number _____

Describe the structure, or addition or alteration to an existing structure, for which this permit is sought: Remove existing, install 30k feet x 25yr. Dimensional shingle. Feature will be re-roof with the ply.

State the street address at which the proposed structure will be ~~built~~ putting modified installed

#8 S Via Lucendia, Sewell's Pt. Street, FL

Subdivision _____ Lot Number 26 Block Number _____

Contract price \$ 4800.00 Cost of permit \$ _____

Plans approved as submitted Plans approved as marked

I understand that this permit is good for 12 months from the date of its issue and that the structure must be completed in accordance with the approved plan. I further understand that approval of these plans in no way relieves me of complying with the Town of Sewall's Point Ordinances and the South Florida Building Code. Moreover, I understand that I am responsible for maintaining the construction site in a neat and orderly fashion, collecting 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 _____

TOWN RECORD Approved: [Signature] 8/11/97
Building Inspector Date

Date submitted _____

Approved: _____ Final approval given: _____
Commissioner Date Date

CERTIFICATE OF OCCUPANCY Issued (if applicable) _____ Date _____ PERMIT NO. _____

TOWN OF SEWALL'S POINT, FLORIDA

Permit Number 1918

Date 4-16-86

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

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

Owner Mr + Mrs TIMOTHY KELLY Present Address #8 S. Via Lucindia
Phone 287-6165

Contractor Horizon Builders Address 740 Buena Vista Way
Phone 692-2748

Where licensed MARTIN License number 00342

Electrical contractor _____ License number _____

Plumbing contractor _____ License number _____

Roofing contractor _____ License number _____

Air conditioning contractor _____ License number _____

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

#8 South Via Lucindia
State the street address at which the structure will be built:

Subdivision VIA Lucindia Lot number 28 Block number _____

Contract price \$ 3500.00 Cost of permit \$ 40 Double

Plans approved as submitted _____ Plans approved as marked _____

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

Contractor Bill Dagg

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 Timothy Kelly

Date submitted 4/25/86 TOWN RECORD Approved [Signature] Building Inspector Date 4/25/86

Approved GE Stubbell Commissioner Date 6/1/86 Final Approval given _____ Date _____

Certificate of Occupancy issued (if applicable) _____ Date _____

108
140
4320
68
15170

TOWN OF SEWALL'S POINT - FLORIDA

Application For Building Permit

Owner F. Stuart Gillespie Present Address Rte 1 Box 343 Sewall Pt Phone 287 8885

Architect / Address _____

General Contractor Szme Address _____ Phone _____

Where Licensed Martin-Stueve Florida License No. _____

Plumbing Contractor Stuart Plumbing Where Licensed _____ No. _____

Electrical Contractor Krause + Crane Where Licensed _____ No. _____

Property Location _____ Subdivision Lucindix Lot No. 28

Lot Dimensions 108 X 140 Lot Area 15120 Sq. Ft.

Purpose of Building Residence Type of Construction CB5

Building Area: Sq. Ft. (Exclusive of Garage, Carport, Open Porches)

Outside of Walls _____ Inside of Walls 1670

Street or Road building will front on South Viz Lucindix

Clearances - Front 40 Back 56 Side 15 Side 15 River _____

Well Location _____ Septic Tank Location East Side

Building elevation (By Ordinance Definition) _____

Contract Price (Include Plumbing, Electrical, Air Conditioning) 20,000

PERMIT FEE	New Home	Additions	Others
General (\$3.00 per \$1000 or Fraction)	_____	_____	_____
Plumbing (Flat Fee)	\$10.00	\$3.00	_____
Electrical (Flat Fee)	\$10.00	\$3.00	_____
Total (To be paid by General Contractor or Owner)	_____	_____	_____

SIGNED: - General Contractor or Owner F Stuart Gillespie

Building Inspector Comments: _____

FOR TOWN RECORDS: Date Drawings submitted 12/14/70
 Date Permit approved 15/15/70
 Date Permit Fee paid 15/16/70
 Date First Inspection _____
 Date Final Inspection _____
 Date Occupancy approved _____

~~##~~

249

#1901

TOWN OF SEWALL'S POINT FLORIDA

Permit No. _____

Date 3-18-86

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

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

Owner TIMOTHY KELLY Present address #8 SOUTH VIA LUCINDIA

Phone 287-6165

Contractor POOLS BY GREG Address 650 Buck Headed Way Stewart

Phone 692-1419

Where licensed MARTIN CO License number SP 00348

Electrical contractor Barland Revell Elec, Inc. License number ME 00134

Plumbing contractor _____ License number _____

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

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

#8 SOUTH VIA LUCINDIA SEWALLS POINT FL

Subdivision VIA LUCINDIA Lot No. 28

Contract price \$ 10,000⁰⁰ Cost of Permit \$ 50⁰⁰

Plans approved as submitted _____ Plans approved as marked _____

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

Contractor Greg Schmedy

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 Timothy Kelly

TOWN RECORD

Date submitted 3/18/86

Approved: [Signature]
Building Inspector

3/19/86
Date

Approved: [Signature]
Commissioner

19 March '86
Date

Final Approval given: _____
Date

Certificate of Occupancy issued _____
Date

SP/1-79

#1901

TAX FOLIO NO. 1-38-41-001-000 00280-6000 DATE _____

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

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 Anna J. Cremer Present address 8 S Via Lucendia

Phone 561-286-4713

Contractor Stein Co., Inc. Address 602 S Market Ave

Phone 561-465-9468 Fl. P.O. Box 12 34980

Where licensed State of Florida License number CC CA 42775

Roofing Electrical Contractor License number CC CA 42775

Plumbing Contractor License number _____

Describe the structure, or addition or alteration to an existing structure, for which this permit is sought: Remove existing, install 30k feet, metal

25yr. dimensional shingles, Fast will be roof with the ply.

State the street address at which the proposed structure will be built: #8 S Via Lucendia, Sevel St Street, FL

Subdivision _____ Lot Number 26 Block Number _____

Contract price \$ 4800.00 Cost of permit \$ _____

Plans approved as submitted Plans approved as marked

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

Contractor [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 _____

DATE SUBMITTED _____ TOWN RECORD Approved: [Signature] 8/7/90 Building Inspector Date

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

CERTIFICATE OF OCCUPANCY Issued (if applicable) _____ Date PERMIT NO. _____

Address: 602 S. Market Avenue
Ft. Pierce, Fl. 34982

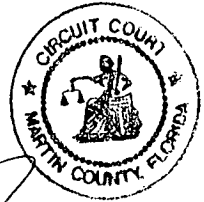
This instrument prepared by:
Stein & Co., Inc.

Address: 602 S. Market Avenue
Ft. Pierce, Fl. 34982

STATE OF FLORIDA
MARTIN COUNTY

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

BY _____
DATE 8/2/97



Property Appraiser's Parcel Identification

Folio# 1-38-41-001-000-00280.6000

Space above this line
for processing data

Space above this line
for recording data

Permit No. _____

Notice of Commencement

State of Florida,
County of ~~St. Martin~~ *Martin*

The undersigned hereby give notice that improvements will be made to certain Real Property and in accordance with Section 713.13 of the Florida Statutes. The following information is provided in this **Notice of commencement**.

Legal description of property (include Street address, if available):
8 S Via Lucinda, Seewells Pt.

Lot: *26* Block: Section: Subdivision:

General description of improvement: Reroof

Owner *Anne J. Cremer* Owner Interest: Residence

Address:

Contractor Stein & Co., Inc.
Address: 602 S. Market Avenue, FP, Fl. 34982

Surety:
Address: Amount of Bond \$

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

Name:

Address:

Person within the State of Florida designated by owner whom notice or other documents may be served provided by Section 713,12 (1) 7., Florida Statutes

Name:

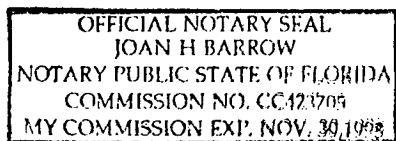
Address:

In addition to himself, owner designates _____ of _____ to receive a copy of lienor's Notice as provided in Section 713,12 (1) (B), Florida Statutes.

Expiration date of Notice of Commencement (the expiration date is One year from the date of recording unless a different date is specified).

Anne J. Cremer
Signature of Owner

Anne J. Cremer
Printed Signature of Owner



Notary Rubber Stamp Seal

I have relied upon the following identification of the Affiant.

Sworn to and subscribed before me this
4 day of Aug 1997

Joan H. Barrow
Notary Signature

Joan H. Barrow
Printed Notary Signature