Helen S. Jones

Owner BISCAYNE BAY ISLAND CO. Mailing Address Riveria sec Permit No. 767 Date Mar. 26-1924

Lot 1 Block 2-A Subdivision PALM ISLAND Address 317 North Coconut Lane

9112

4205-02-0010

General Contractor Biscayne Bay Island Company Address

Architect August Geiger Address

Front 38' Depth 44'6 Height 24' Stories 2 Use Residence- 8 rms andn garage

Type of construction cem blks. Cost $ 10,000.00 Foundation Piling & Reinf. conc Roof -------Tile

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Plumbing Contractor Harry Sanborn Address Date July 1- 1924

Plumbing Fixtures 8 Rough approved by H. Scheibli Date

Gas Stoves

Gas Heaters Address Date

Final approved by Date

Sewer connection Septic tank Make Date

Electrical Contractor V.S. DeKalands Address Date June 13-1924

OUTLETS Switch Light 20 Receptacles Range 1 Motors HEATERS Water 1 Space Fans Temporary service

Centers of Distribution

Electrical Contractor Address Date

No. fixtures set Final approved by Date

Date of service

Alterations or repairs # 3452: Boat Dock and garage addition: John C. Gaffney, contractor: L.G. Schreffler, architect: $ 9,400.00----- Date Nov. 13- 1929

BUILDING PERMIT # 13982- Remodeling:(removing old wooden part and replacing with cement blocks) Marvin J. Scoville, contractor- $ 2,750.00 - May 3-1940

Electrical permit # 14892- Gross Electric- 3 switch, 4 light outlets- 8 receptacles- 5 fixtures- 5-13-1940

Over

ALTERATIONS & ADDITIONS

Building Permits: #67392 Dock and Marine Const. Co.: Sea wall repairs - $222. - 6/6/62

#00986-Lancris Builders- Re-roof garage and new tile 8 squares-$3500-5-4-72

#01179-Carruth Roofing- Re-roof ,story residential-$1000-6-5-72

#01714-Marine Construction-Dock as per plan-$3000-9-7-72

#02024-Tomco Roofing- Re-roof 27 sqs-$3290-11-8-72

#88966-Wm.Erskine Earnest-Remodel and additions as per plans-$4000-12-15-75

#3464-Airguide Sales- 2 2½ton central a/c-1-20-76

#08749-Gunite Construction-Gunite repairs to boathouse columns and beams-$3600-3-15-76

ILE NO: 1074 ARTHUR C. STIFFEL, owner Applicant requests waiving of 6 ft. of the required 7'6" northeast side yard setback, in rder to construct a carport.Applicant also requests waiving of 5'2" of the required 5'8" side yard setback in order to project the oof overhang and beams of the subject carport into said setback area. BOARD OF ADJUSTMENT SEPTEMBER 9, 1976, DEFERRED-Applicant id not appear. BOARD OF ADJUSTMENT OCTOBER 8, 1976, GRANTED

11105-Owner-Walkways-$1200-4-6-77

#12000-Owner-Erect open beam car port, fence, paint,repair driveway-$3950-8-31-77

Plumbing Permits: # 13402- McGuire Plumbing Co.- 1 water closet - 1 lavatory - 1 bar sink - 1 shower - 5/ 8/ 1940

#42597 Economy Plbg: 1 - 4" Sewer - Oct. 4, 1960 OK 10/24/60 Cox

#49054-People Gas System-1 Gas Outlet and conn. with heater-3-28-72

#53212-Horne Plumbing- 1 dishwasher; 1 disposal; 3 lavatory; 1 laundry tray; 1 clothes washer; 1 sink; 1 water closet-12-16-76

#61969 2/15/85 Nationwide Power Corp - solar water heater

Electrical Permits: #55857 Astor Elec:replace 1 service-equip., 10/3/60

#6o635 Astor Elec: 3 receptacles--2/3/64

#69620-F & D Electrical Contractors,INc.- 3 Receptacles; 4 Motors 2-5- H.P- 1 400 AMP; 2 100 AMP Panel 1 200 AMP Panels;4-26-72

#72894-YOung Electric- 5 switch outlets; 5 light outlets; 5 receptacles; 1 range top; 1 oven-2-2-76

BUILDING PERMITS contd.

17759 Pierce, Inc. Reroof 20 squares $1600. 3-24-80

ELECTRICAL PERMITS: #E8801008 - Brink's Home Security - 1 Burglar alarm, 10 devices - 6-2-88

SECTION B-B

SECTION C-C

SECTION A-A

PLAN B-B

OFFICE COPY

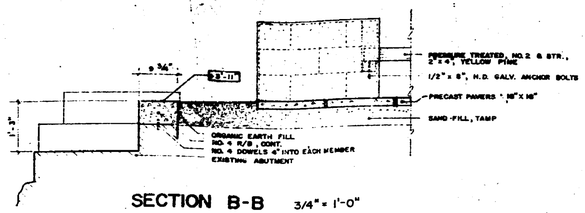
CITY OF MIAMI BEACH
APPROVED
DATE

APPROVED (AS NOTED)

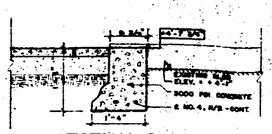
PLAN D-D

SECTION D-D

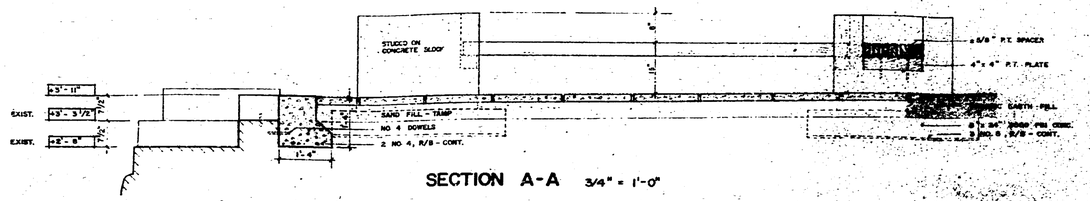
1 1 1 0 5



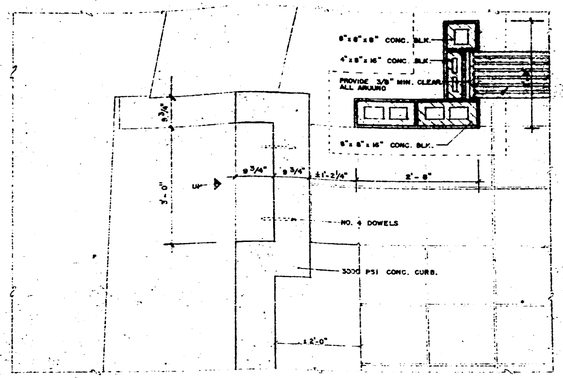
SECTION B-B 3/4" = 1'-0"



SECTION C-C 3/4" = 1'-0"

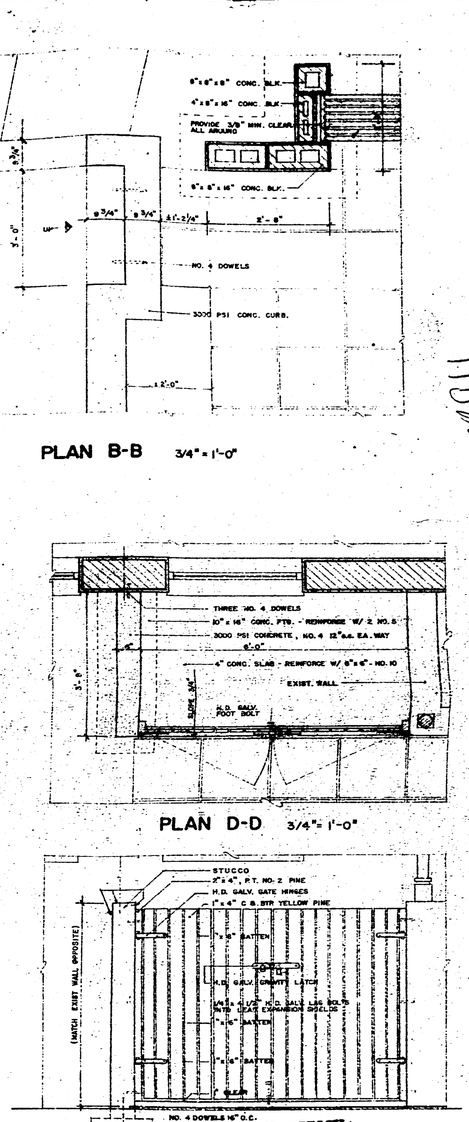


SECTION A-A 3/4" = 1'-0"

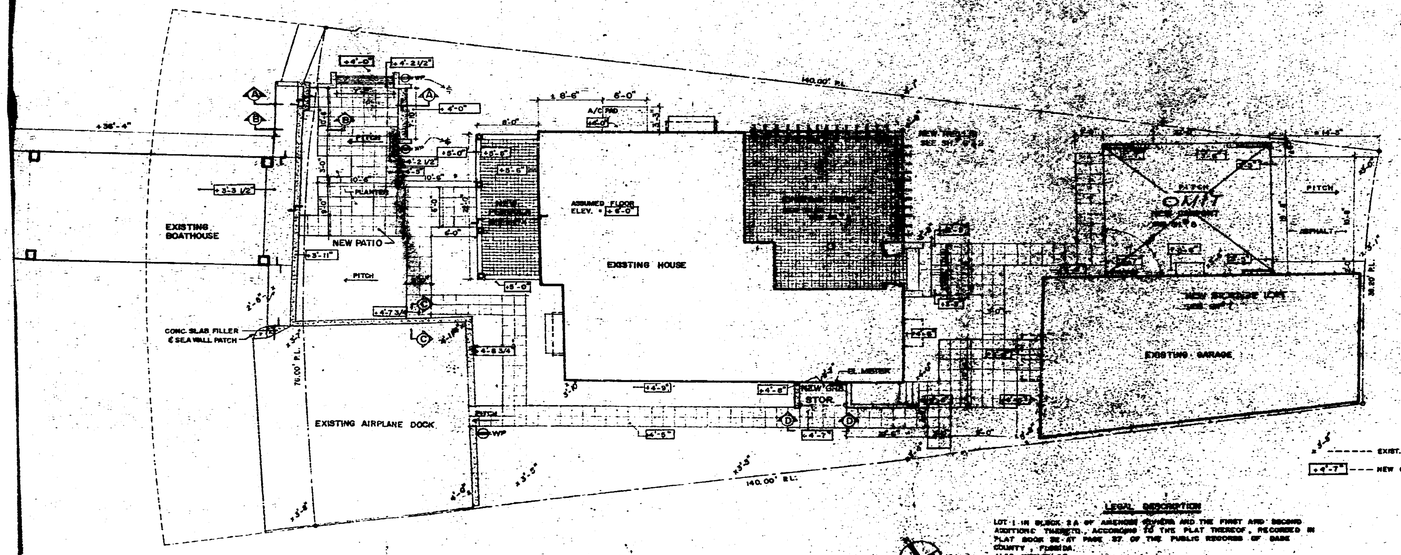


PLAN B-B 3/4" = 1'-0"

PLAN D-D 3/4" = 1'-0"



SECTION D-D 1'-0"



SITE PLAN 1/8" = 1'-0"

LEGAL DESCRIPTION

LOT 1 IN BLOCK 8 A OF ARAMORE SUBDIVISION AND THE FIRST AND SECOND ADDITIONS THERETO, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 32-57 PAGE 27, OF THE PUBLIC RECORDS OF DADE COUNTY, FLORIDA.

ALSO KNOWN AS:
LOT 1 IN BLOCK 8A OF ARAMORE, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 32 AT PAGE 27, OF THE PUBLIC RECORDS OF DADE COUNTY, FLORIDA.

OFFICE COPY

CITY OF MIAMI BEACH
APPROVED
DEC 5 1975
BUILDING DEPARTMENT

RECEIVED
DEC 5 1975
BUILDING & ZONING INSPECTION DIVISION

ZONING DEPT.
PUBLIC WORKS DEPT.
FIRE DEPT.
See NOR on A/E
HEALTH DEPT.

ALTERATIONS & ADDITIONS TO THE RESIDENCE of MR. ARTHUR C. STIFEL III

8966

8966

JAN HOCHSTIM AIA ARCHITECT

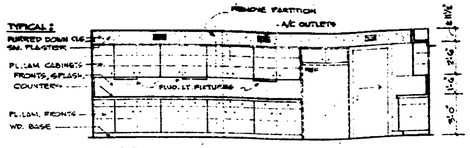
RESIDENCE of MR. ARTHUR C. STIFEL III
311 NORTH COCONUT LANE - PALM ISLAND

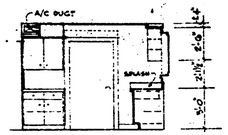
REVISIONS
4/29/75
8/18/75
6/30/75
7/14/75

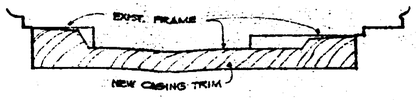
DATE
3/28/75

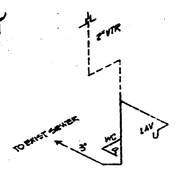
SITE PLAN and SECTIONS

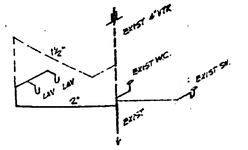
A-1

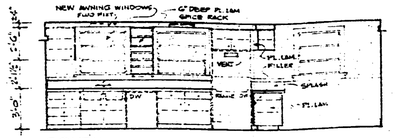


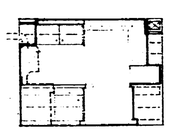


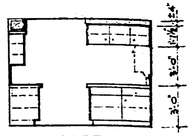




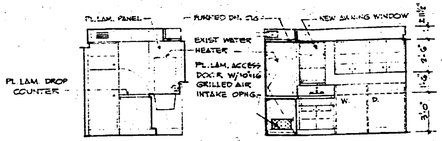


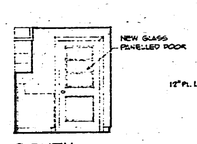


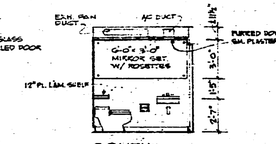




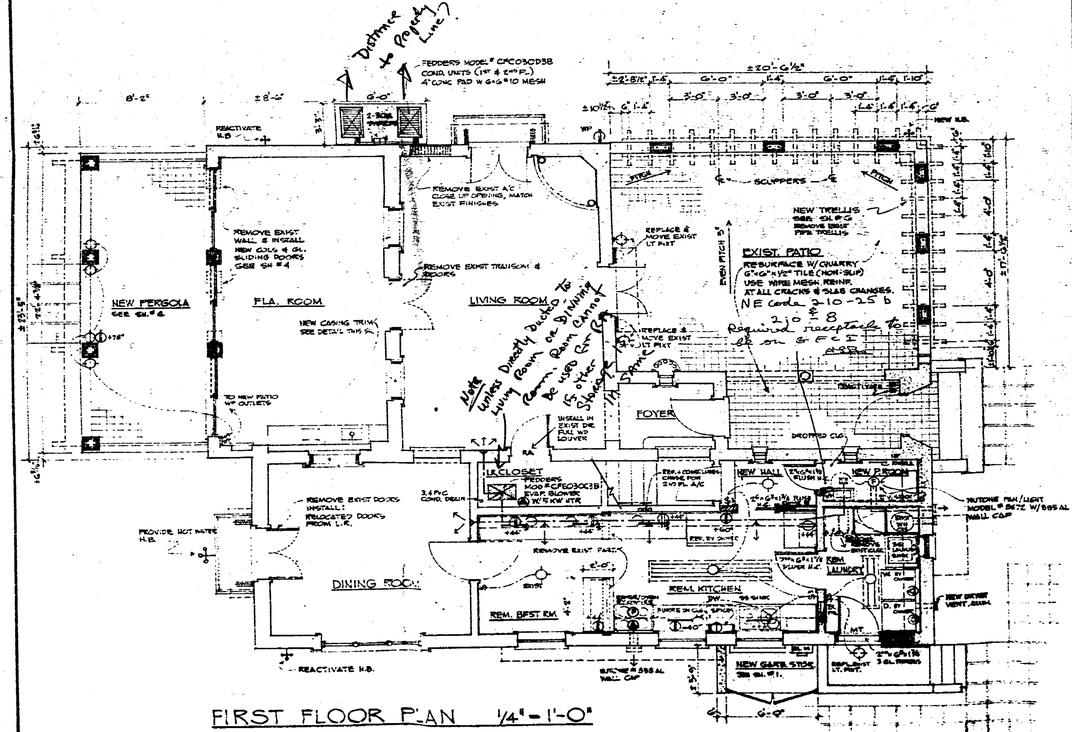
KITCHEN ELEVATIONS 1/4" = 1'-0"







LAUNDRY ROOM ELEVATIONS 1/4" = 1'-0" POWDER RM. 1/4"=1'-0"



OUTLINE SPECIFICATIONS

1. GENERAL REQUIREMENTS
   - A. THESE NOTES ARE ONLY SUPPLEMENTS TO NOTES APPEARING ON DRAWINGS AND DO NOT THEREFORE CONSTITUTE THE ENTIRE SCOPE OF WORK TO BE PROVIDED.
   - B. THE CONTRACTOR IS RESPONSIBLE FOR CLEAN & WORKMANSHIP ON ALL NEW WORK AND REMODELLING AND IS RESPONSIBLE FOR REPAIR OF ALL DAMAGED PORTIONS OF THE PROJECT BOTH EXISTING AND THOSE RESULTING FROM NEW CONSTRUCTION.
   - C. SUBSTITUTIONS - BY WRITTEN APPROVAL OF ARCHITECT.
   - D. SHOP DRAWINGS - 3 COPIES FOR ARCHITECT'S WRITTEN APPROVAL.
   - E. ADJOINING PROPERTIES - CONTRACTOR SHALL BE FULL RESPONSIBILITY FOR DAMAGES RESULTING FROM WORK ON THIS PROJECT.
   - F. ALLOWANCES
     1. FINISH HARDWARE: $ 200.00.
     2. ELECTRICAL FIXTURES (OTHER THAN NOTED ON DRAWINGS): $ 400.00.
   - G. FORM OF CONTRACT - A.I.A. CURRENT EDITION.
2. SITE WORK
   - A. ASPHALT PAVING - 1" PLANTMIX ON WELL COMPACTED 6" ROCK BASE.
   - B. PAVERS - MATCH AND/OR REUSE EXIST. 16"x16"x 2" PRECAST CONCRETE.
   - C. SOD - BY OWNER. CONTRACTOR SHALL GRADE SITE TO BE SODDED TO AN ELEVATION 4" BELOW FINISH GRADES SHOWN.
3. CONCRETE - SEE NOTES ON DRAWINGS.
4. MASONRY - SEE NOTES ON DRAWINGS.
5. METALS
   - A. STRUCTURAL STEEL - SEE NOTES ON DRAWINGS.
   - B. ANCHORS & BOLTS - HOT DIP GALV. ASTM A-153 IN CONTACT WITH MASONRY & CONCRETE.
6. WOOD AND PLASTICS
   - A. ROUGH CARPENTRY
     1. SPECIES & GRADES - SEE NOTES ON DRAWINGS.
     2. KILN DRIED; 19% MAX MOISTURE CONTENT.
   - B. FINISH CARPENTRY - MILLWORK
     1. TRIM - NO. 2 DOUGLAS FIR - STAIN QUALITY - DIP TREATED WITH CLEAR WOODLIFE.
     2. CABINETS, VANITIES, COUNTERS AND SHELVES - AS MANUFACTURED BY "PRINCESS CABINETS" KILLANOOLIS, FLA.
        MATERIALS: INDUSTRIAL GRADE: FILLED ENDS PARTICLE BOARD BY WEYERHAEUSER:
        - a. FLOORS & UNSUPPORTED WALLS - 1/2".
        - b. FRONTS, DOORS & DRAWER FRONTS - 3/4".
        - c. SHELVES & SPLASH - 3/4".
        - d. COUNTERS - FRONT & ENDS BUILT-UP TO 1 1/2".
        - e. EXTERIOR FINISH - "FORMICA", COLOR & TEXTURE AS SELECTED BY OWNER.
        - f. INTERIOR FINISH - 2 COATS SEMI-GLOSS ENAMEL OVER SEALER COAT.
        - g. DRAWER HARDWARE - ROLLER BEARING SIDE MOUNTS BY "K-V".
        - h. HINGES - MAGNETIC.
        - i. PULLS & KNOBS - AS SELECTED BY OWNER.
        - j. MEDICINE CABINET HARDWARE - "SWIFT" ANOD. ALUM. SLIDING MIRROR DOOR ASSEMBLY NO. 8040 - FOR MIRRORS: SEE #8-E-1, FOR GLASS SHELVES SEE # 8-E-2.
     3. DOORS - "IPK" ECONOMY GRADE, A.W.I. SEC. 1300, BIRCH VENEER - A.W.I. TYPE: # 4, LIFT-TREAT WITH CLEAR WOODLIFE.
7. THERMAL AND MOISTURE PROTECTION
   - A. MEMBRANE - POLYETHYLENE - .006" MIN., "VISQUEEN", 6" LAPS MIN.
   - B. INSULATION - U.S. GYPSUM "THERMAFIBER" SILVER SHIELD "BLANKETS, FOIL UP.
   - C. ROOFING - CEMENT BARREL TILES "CUESAN" BY GORY; MATCH EXISTING.
   - D. FLASHING & COUNTERFLASHING - 24 GA. GALV. METAL.
   - E. CAULKING - KNAPE OR GUN GRADE, FED. SPEC. TT-C-377, COLOR TO MATCH FINISH MAT'L.
8. DOORS AND WINDOWS
   - A. WOOD DOORS - SEE # G-S-3
   - B. GLASS SLIDING DOORS - "MILLBOOK" PATRICIAN 100 SERIES, BLACK ANOD. FINISH, "MEDITERRANEAN" MUNTINS, GLASS: 1/4" TEMPERED "VARI-TRAN 1-205" BY LOF SUPPLIED BY GENERAL CONTRACTOR, GLAZING BY DOOR MFR.; WITH SCREENS IN BLACK ANOD ALUM. FRAMES. INSTALL DOUBLE SECURITY NIGHT BOLT IN HEADER, INSTALL PLASTIC DECALS AT EYE HEIGHT; DECALS AS SELECTED BY OWNER.
   - C. METAL WINDOWS - BLACK ANOD. ALUM. AWNING TYPE BY FAN AMERICAN ALUM. CORP., SERIES 24" FACTORY GLAZED, WITH SCREENS IN BLACK ANOD. FRAMES.
   - D. HARDWARE - SEE # I-F-1 (ALLOWANCE).
   - E. GLAZING
     1. MIRRORS - 1/4" POLISHED PLATE GLASS, SILVERED WITH 2 COATS OF NITRATE OF SILVER WITH GROUND EDGES AND GRIPS.
     2. GLASS SHELVES - 1/4" POLISHED PLATE GLASS, 4" WIDE SET 1/2" x 4 ANGLES & CHANNELS.
9. FINISHES
   - A. STUCCO - 5/8"-3/4", 2 COATS; MATCH EXISTING.
   - B. PLASTER
     1. GYPSUM - 3/8" IN 3 COATS OVER 3/8" GYPSUM LATH, ASTM C 37.
     2. CEMENT - 3/4" TOTAL THICKNESS IN 3 COATS OVER 3.4 LB GALV HIGH RIB METAL LATH.
   - C. TILE
     1. CERAMIC TILE - WALLS AND FLOORS: "AMERICAN OLEAN-CRYSTALINE" V-50-8, CONVENTIONAL INSTALLATION, COLOR AS SELECTED BY OWNER. PARTS NEEDED:
        - a. CAP ——— A-4402 V 50-8
        - b. CUT CORNER ——— A-4402 H 50-8
        - c. SQUARE UP ANGLE - A4R-4402 V 50-8 AND AML-4402 V50-8
        - d. BASE ——— A-3401 V 50-8
        - e. CUT ANGLES ——— ACR-3401 V 50-8 AND ACL-3401 V 50-8
     2. QUARRY TILE - 6" x 6" x 1/2" STANDARD GRADE "AMERICAN OLEAN - MURRAY" V-BAM WITH BLACK GRAIN ABRASIVES.
   - D. RESILIENT FLOORING - SHEET VINYL "CORONELLE" COLLECTION .090 GAUGE BY ARMSTRONG, COLOR AND PATTERN AS SELECTED BY OWNER.
   - E. WOOD PANELED CEILING - SEE NOTES ON DRAWINGS.
   - F. LUMINOUS CEILINGS - 2'x2' ALUM. SUSPENSION GRID SC-4 AND WHITE ACRYLIC FLAT LENSES CAT. NO. S-45 BY WILSON, ERIE, PA.
   - G. PAINTING - BENJAMIN MOORE; UNLESS NOTED OTHERWISE.
     1. ZINC COATED METAL - WASH W/MINERAL SPIRITS - 1 COAT METAL ETCH AND 2 COATS EXTERIOR METAL PAINT.
     2. ALUMINUM (WINDOWS) - WASH W/MINERAL SPIRITS - 1 COAT ZINC CHROMATE PRIMER AND 2 COATS EXTERIOR SEMI GLOSS ENAMEL.
     3. EXTERIOR WOOD, NATURAL FINISH - "CABOT'S" CREOSOTE STAIN - 2 COATS.
     4. EXTERIOR WOOD, PAINTED - 1 COAT EXT. WD. PRIMER & 2 COATS EXT. OIL (SATIN)
     5. INTERIOR WOOD, NATURAL - "CABOTS" INT. STAIN WAX - 2 COATS RUBBED ON & BUFFED.
     6. INTERIOR WOOD, PAINTED - 1 COAT PRIMER & 2 COATS SEMI-GLOSS LATEX ENAMEL.
     7. PLASTER - 3 COATS ON NEW, 2 COATS ON EXIST. - REGAL WALL SATIN.
     8. STUCCO, CEM. PLASTER, CONC. BLOCKS, CONCRETE - 2 COATS MOORCRAD LATEX
     9. STRUCTURAL STEEL - SHOP PRIMED PLUS ZINC CHROMATE PRIMER & 2 COATS OF IMPROVED ENAMEL.
   - H. MANSILE - 1" SELL - DOMESTIC, COLOR AS SELECTED BY OWNER.
   - I. PLASTIC LAMINATES - SEE # E-S-2.
10. SPECIALTIES
    - A. SHUTTERS - BAHAMA (BERMUDA), SWINGING & BI-FOLD - PAINTED ALUM. "PLANTATION" BY WILCARD SHUTTER CO., INC.
    - B. DISAPPEARING STAIRS - WOOD "SUPER SIMPLEX" FOLDING STAIRWAY BY FRICTION FOLD CORP., NASHVILLE, TENN.
    - C. SHOWER AND TUB ENCLOSURES - "SHOWERITE - ELDORADO" MODEL NO. 6G7 SPECIAL TRIPLEX, MIRROR POLISHED ANOD. ALUM. SILVER CHROME WITH 2 TOWEL BARS, FRICTION SLIDED WITH 7/32" TEMPERED FROSTED GLASS, UNITS BY THEODORE ERROM MFG. CO.
    - D. BATHROOM ACCESSORIES - "MILL-MACK" "CORONADO" SERIES:
      1. TOWEL BARS
         - a. POWDER RM. - MODEL NO. 6724 - 18".
         - b. MASTER BATH RM. - MODEL NO. 6726 - 24" & 36".
         - c. BATH RM #1 - MODEL NO. 6873.
      2. SOAP & GRAB - MODEL NO. 6725
      3. GLASS HOLDERS - MODEL NO. 6727
      4. PAPER HOLDERS - MODEL NO. 6778
      5. HOOK (MASTER BATH RM SHOWER - MODEL NO. 682.
      6. GLASS SHELVING - SEE # E-S-2.
    - E. NEW CLOSET NO 3 (MBR) SHELVING & SHOE RACK - SEE NOTES ON DRAWINGS.
11. EQUIPMENT
    - A. APPLIANCES - RANGE/OVEN, DISHWASHER, REFRIGERATOR, WASHING MACHINE AND DRYER SUPPLIED BY OWNER, INSTALLED BY GENERAL CONTRACTOR.
12. FURNISHINGS
13. SPECIAL CONSTRUCTION
14. CONVEYING SYSTEMS

THESE DIVISIONS DO NOT APPLY

15. MECHANICAL
    - A. PLUMBING
      1. SOIL & VENT PIPING - CAST IRON.
      2. HOT & COLD WATER PIPING - INSIDE: COPPER & GALV. STEEL - OUTSIDE: P.V.C.
      3. HOSE BIBBS - "TRIANGLE" NO. 701 ALL BRASS; PROVIDE VACUUM BREAKERS.
      4. PROVIDE VALVES AT ALL FIXTURES AND/OR EQUIPMENT, PROVIDE AIR CHAMBERS AT EACH FIXTURE OR GROUP OF FIXTURES.
      5. INSULATE HOT WATER PIPING WITH 1/2" THICK FIBERGLASS TYPE INSULATION.
      6. SPRINKLER SYSTEM - SEPARATE CONTRACT.
      7. PLUMBING FIXTURES
         - a. KITCHEN SINK - ELKAY "LUSTERTONE" LR 5322, 4 HOLES WITH DELTA FAUCET MODEL #100 DECK WITH SPRAY ATTACHMENT.
         - b. LAUNDRY SINK - ELKAY "LUSTERTONE" DLR 2522-10 WITH LK 225 FAUCET & TRIM.
         - c. POWDER RM. LAVATORY - BRIGGS - "WEE BAWN 16"x12" MODEL NO. 6604 WITH DELTA STOCK NO. 8502 FAUCET.
         - d. BATHROOM LAVATORIES - CRANE "CELETTE" 1-278 S WITH DECK FAUCET & TRIM, STOCK NO. 5324.
         - e. WATER CLOSETS - BRIGGS "THE DIPLOMAT" MODEL NO. 6054
         - f. SHOWER FITTINGS - DELTA STOCK NO. 1224 DELEX PRESSURE BALANCED.
         - g. FIXTURE COLORS AS SELECTED BY OWNER.
    - B. AIR DISTRIBUTION
      1. BRIGHT PANS AND EXH. FAN - LIGHT - HEATER COMB. BY NUTONE, SEE NOTES ON DRAWINGS.
      2. AIR CONDITIONING - FEDDERS, SEE NOTES ON DRAWINGS. DUCTS, REGISTERS, ETC., TYPES & SIZES BY A/C CONTRACTOR. SUBMIT COMPLETE DRAWINGS AND SPECS FOR ARCHITECTS APPROVAL.
16. ELECTRICAL
    - A. GENERAL - EXISTING AVAILABLE METERED POWER SUPPLY = 400 AMP; 1Ø. ALL NEW AND REARRANGED POWER AND LIGHTING DISTRIBUTION SHALL BE CONNECTED TO THE EXISTING POWER SOURCES.
    - B. TOGGLE SWITCHES - 1-P SW - SIERRA #5011; 3-P SW - SIERRA #5013.
    - C. DUPLEX RECEPTACLES - SIERRA # 1802
    - D. ALL WIRING - COPPER
    - E. RACEWAYS - GALV RIGID STEEL CONDUIT ON INSIDE, PVC ON OUTSIDE.
    - F. FIXTURES - ALLOWANCE, SEE I-F-2. GEN. CONTRACTOR SHALL CONNECT & INSTALL.
    - G. LUMINOUS CEILING - SEE 9-F.
    - H. POWER SURGE PROTECTION - PROVIDE AND INSTALL HOME LIGHTNING PROTECTOR G.E. CATAL. NO. 9L15-DCB-002.

1. Condensate Drain not to terminate under House

CITY OF MIAMI BEACH
APPROVED
DATE
BUILDING BY:
ZONING BY:
PLUMBING BY:
ELECTRICAL BY: 12-10-75
MECHANICAL BY:
FIRE PREVENTION
ENGINEERING

See Note A/E

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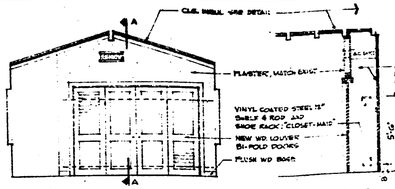
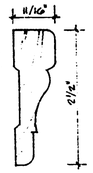
BY

JAN HOCHSTIM - AIA ARCHITECT
RESIDENCE of MR. ARTHUR C. STIFEL III
DRAWN
REVISED 7/21
DATE 7/14
SHEET 2 OF 7

8966

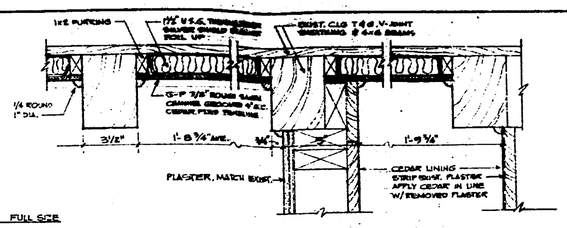


MASTER B.R. - SOUTH WALL 1/4"=1'-0"

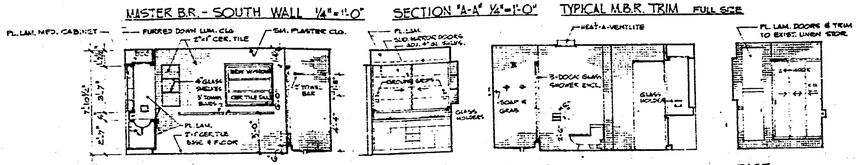


SECTION "A-A" 1/2"=1'-0"

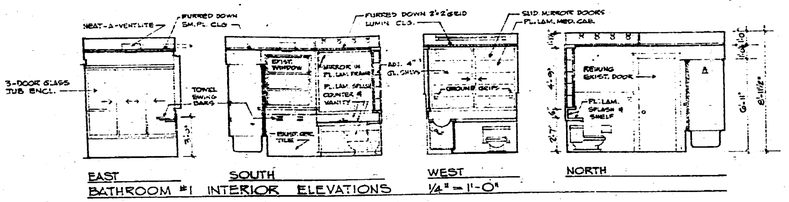
TYPICAL M.B.R. TRIM FULL SIZE



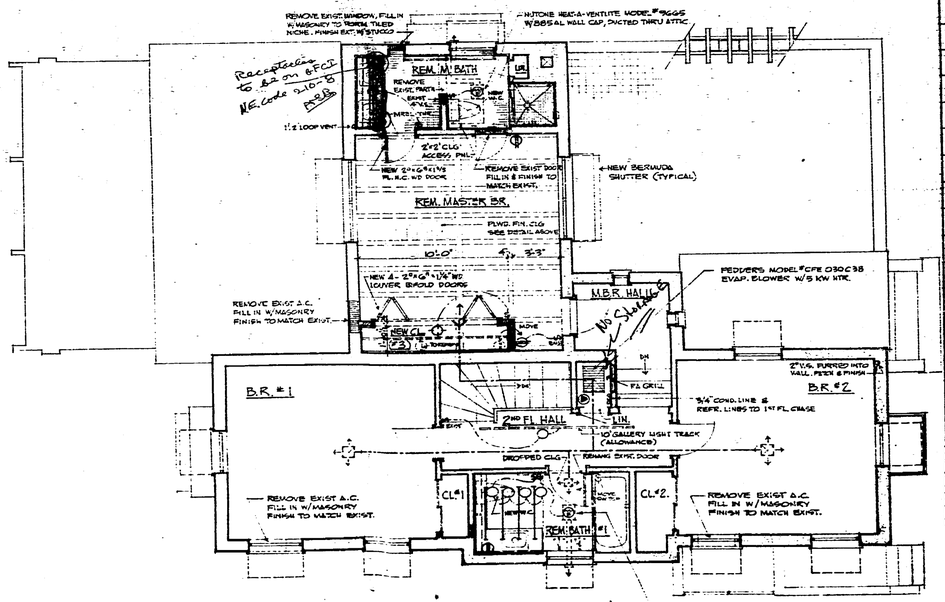
MASTER B.R. CEILING INSULATION DETAIL 3"=1'-0"



MASTER BATHROOM INTERIOR ELEVATIONS 1/4" = 1'-0"



BATHROOM #1 INTERIOR ELEVATIONS 1/4" = 1'-0"



SECOND FLOOR PLAN 1/4" = 1'-0"

NOTE: INSULATE ENTIRE 2ND FL. ATTIC SPACE W/3" U.S.G. THERMAFIBER SILVER SHIELD BLANKET, FOIL UP.

FINISH SCHEDULE

#	DESCRIPTION	FLOOR: QUARRY TILE	CERAMIC TILE	CARPET	VINYL TILE	WOOD	EXPOSED CONC	BASE: WOOD, JAN. TYP.	WOOD, FLUSH	CERAMIC TILE	OTHER	WALLS: PLASTER, TEXTURED	PLASTER, SMOOTH	CERAMIC TILE	WOOD PANELING	CEMENT PLASTER	STUCCO	OTHER	SILLS: WOOD	CERAMIC TILE	OTHER	CEILING: PLASTER, TEXTURED	PLASTER, SMOOTH	WOOD PANELING	PLASTER	DROPPED, LUMINOUS	EXPOSED, WD. or CONC.	MISCELL.: CABINETS, WOOD	CABINETS, LAM. PLAS.	WOOD TRIM	DOORS	WINDOWS	A/C UNITS IN WALL	REMARKS
1	EXISTING GARAGE					○	○										□										@							1. UNDER NEW STORAGE LOFT
2	NEW CARPORT						○																				○							
3	EXISTING PATIO	●																									○							1. WHITE RUBBER BAR. CONC.
4	NEW PERGOLA	○					○				@																○			○				1. RUBBED WH. CONC.
5	EXISTING BOATHOUSE					○	○										□	@									@							1. STEEL TROWEL FINISH
6	NEW GARBAGE SIDE					@											□														○			
7	FOYER																													○	△		△	
8	LIVING ROOM											□																			®			1. A/C RETURN AIR THRU WD LOUVER
9	L.R. CLOSET																													○	△		△	1. AT NEW SL. GL. DOORS
10	FLA. ROOM		●				●					□●																		○	△○	△	△	1. REUSE L.R. DOORS
11	DINING ROOM																													○	△○			
12	REM. BREAKFAST RM.				○							△																△	○		△	○		
13	REM. KITCHEN				○		●						△						□									△	○		△	○		
14	REM. LAUNDRY				○		○									□				○		□												
15	NEW HALL		®				○			●																				®				1. BY OWNER
16	NEW POWDER ROOM		®				●			●													●		●					®	○			1. BY OWNER
17	2ND FLOOR HALL																													®				1. REHANG BATH #1 DOOR
18	MASTER B.R. HALL																						□							®				1. A/C RETURN AIR GRILLE
19	BEDROOM #1												□										□										△	
20	CLOSET #1																																△○	△
21	BEDROOM #2												□										□											
22	CLOSET #2																																	
23	LINEN CLOSET																																	
24	REM. BATHROOM #1													□						□				○		○	®		○		®			1. REHANG 2, PAINT SLIDE CLG. & TRIM
25	REM. MASTER B.R.							●		●			□												○					○	®		△	1. REHANG DOOR TO BATH
26	NEW CLOSET (#3)							●								@									○					○	○			1. USE EXIST CEDAR FROM EXIST. M. BR. CLOSET
27	REM. MASTER BATHROOM		△○					△○						△○						△○			□○		○	○	○			△	△○			
28	EXIST. M. B.M. CEDAR CL.				△			△								⚠				△					△		△			△	△			1. USE FOR NEW CLOSET #3

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8 8 9 6 6

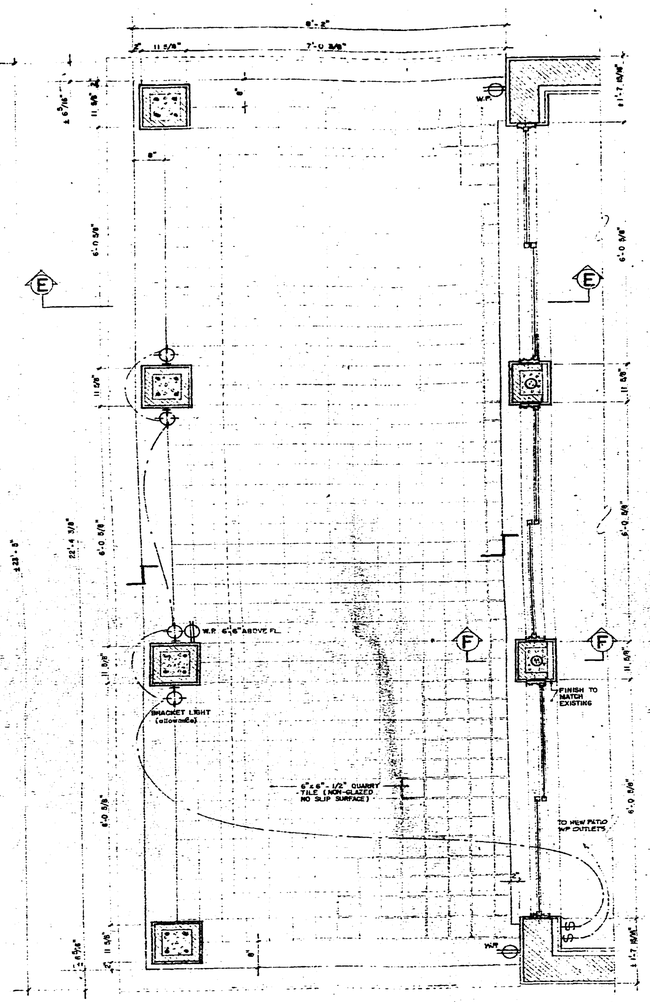
JAN HOCHSTIM A.I.A. ARCHITECT

RESIDENCE of MR. ARTHUR C. STIFEL III
317 NORTH COCONUT LANE, PALM ISLAND, MIAMI BEACH

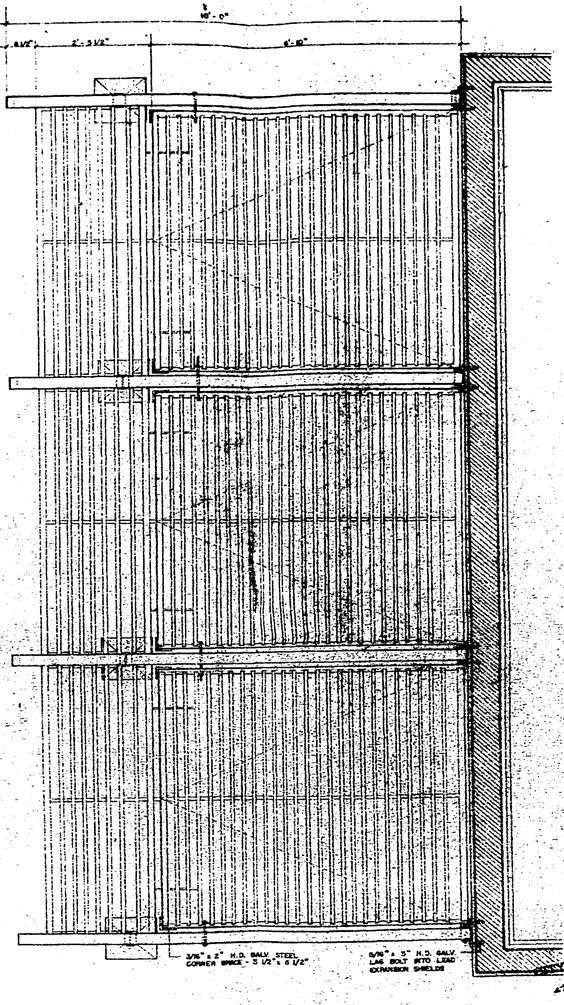
DRAWN BY: J.H.
REVISIONS:
DATE: 7/14/75

SECOND FLOOR PLAN, INT. ELEV'S

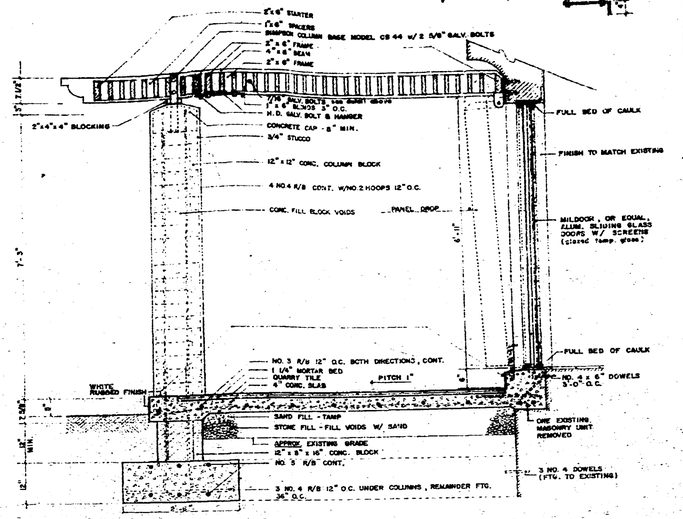
SHEET NO. 3 OF 7
COMM. NO. 7402



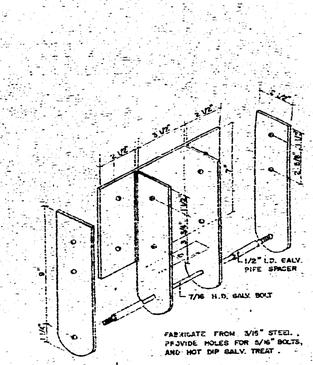
FLOOR PLAN 3/4" = 1'-0"



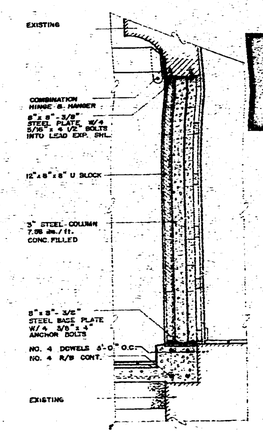
FRAMING PLAN 3/4" = 1'-0"



SECTION E-E 3/4" = 1'-0"



HANGER - HINGE 3" = 1'-0"



SECTION F-F 3/4" = 1'-0"

CITY OF MIAMI BEACH
APPROVED
DATE
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ZONING BY:
PLUMBING BY:
ELECTRICAL BY:
MECHANICAL BY:
FIRE PREVENTION
COMMENTS:

NOTES

CONCRETE TO BE 3000 PSI THROUGHOUT, unless noted
REINFORCING STEEL 60,000 PSI THROUGHOUT
ALL OTHER STEEL ASTM A36 - 66 T, PRIME WITH 1 COAT ZINC CHROMATE EXCEPT GALV.
ALL WOOD NO. 2 & BTR. WEST. RED.
ALL NAILS MONEL

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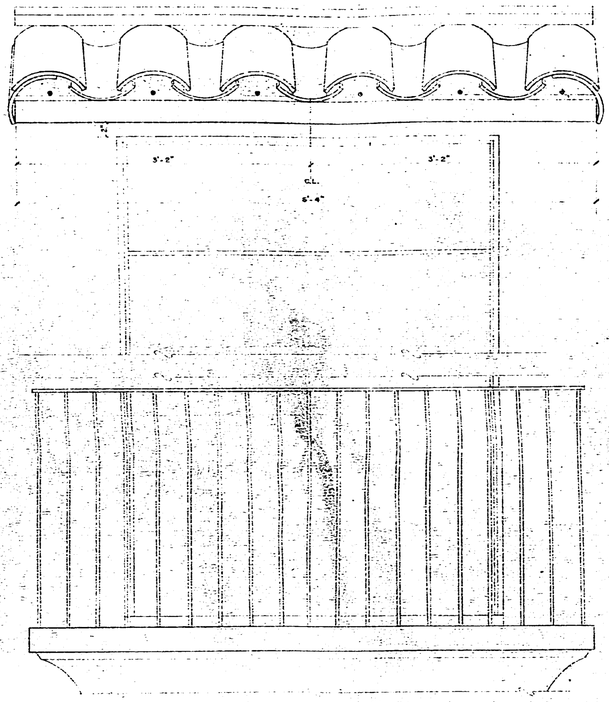
ALTERATIONS & ADDITIONS TO THE RESIDENCE of MR. ARTHUR C. STIFEL III

8966

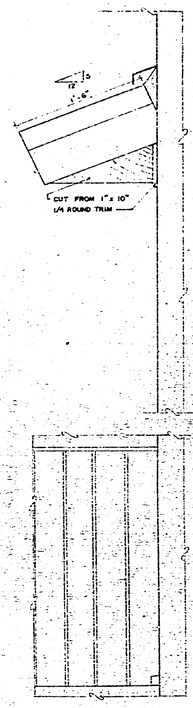
JAN HOCHSTIM AIA ARCHITECT
PAUL BUISSON DRLG CONSULTANT

RESIDENCE of MR. ARTHUR C. STIFEL III
317 NORTH COCONUT LANE, PALM ISLAND

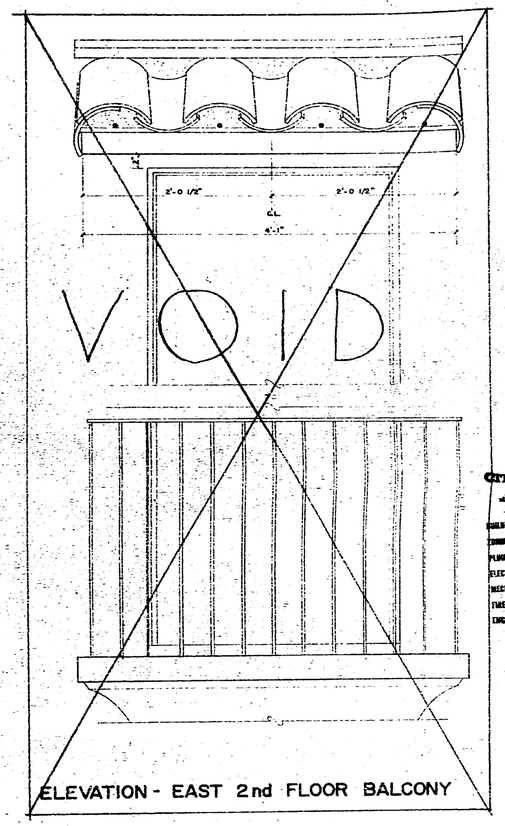
DRAWN
REVISIONS
DATE
SHEET



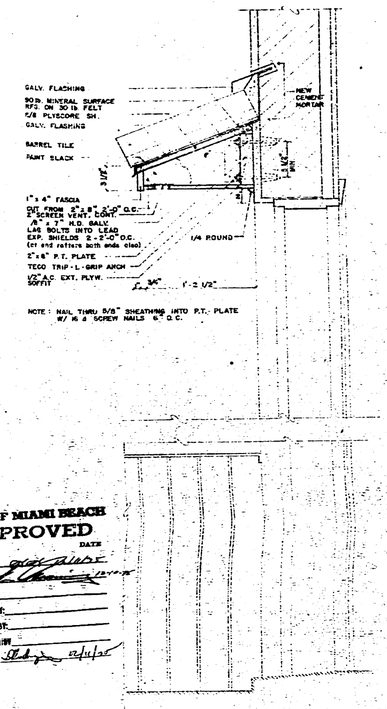
ELEVATION - WEST D.R. BALCONY NORTH L.R. 1 1/2" = 1'-0"



END ELEVATION



ELEVATION - EAST 2nd FLOOR BALCONY



NOTE : NAIL THRU 5/8" SHEATHING INTO P.T. PLATE W/ 16 d SCREW NAILS 6" O.C.

TYPICAL SECTION 1 1/2" = 1'-0"

CITY OF MIAMI BEACH
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ELECTRICAL BY:
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FIRE PREVENTION
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NOTE
ALL FINISH LUMBER C & BTR. SOUTHERN YELLOW PINE
ALL FRAMING LUMBER NO. 2 & BTR. " "
ALL LUMBER KILN DRIED
ALL FINISH NAILS TO BE MONEL
ALL PLYWOOD TO BE EXTERIOR GRADE

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JAN HOCHSTIM AIA ARCHITECT
STRUCTURAL ENGINEERING CONSULTANT

RESIDENCE of MR. ARTHUR C. STIFEL III

REVISIONS
3/
2/
1/

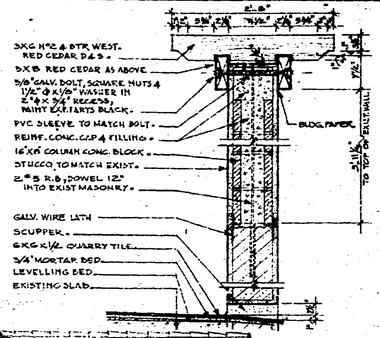
SHEET 7 OF 7

ALTERATIONS & ADDITIONS TO THE RESIDENCE of MR. ARTHUR C. STIFEL III

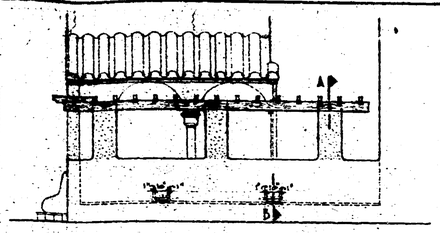
8966

LEGEND

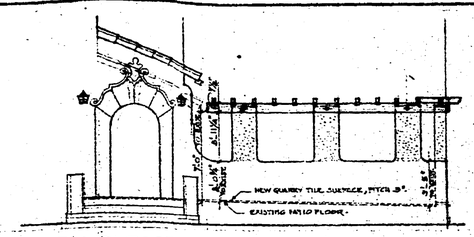
- (A) INSTALL PAINTED ALUMINUM BAHAMA - TYPE SHUTTER.
- (B) " " " VERTICAL SHUTTERS.
- (C) " " " BIFOLD VERTICAL SHUTTERS.
- (D) REPLACE EXIST. WINDOW BY BLACK ANODIZED ALUMINUM AWNING TYPE WINDOW.
- (E) NEW BLACK ANODIZED ALUMINUM SLIDING GLASS DOORS.
- (F) NEW DOOR.
- (G) NEW TILE CANOPY.
- (H) REPLACE EXIST. RAILING BY BLACK ANODIZED ALUMINUM RAILING.
- (I) NEW ALUM. A.C. COVERS. IF CENTRAL A.C. WILL BE INSTALLED — REMOVE A.C. WALL UNITS & ELEC. COND'S. FILL & PATCH TO MATCH EXIST. FINISHES.



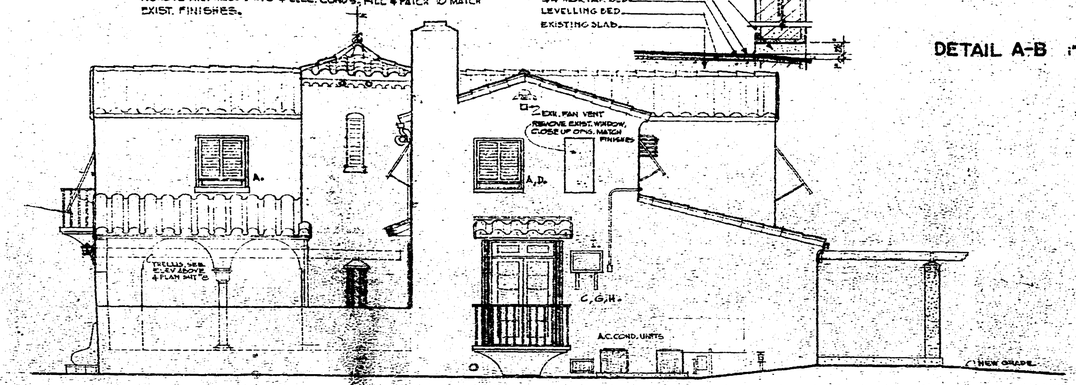
DETAIL A-B 1" = 1'-0"



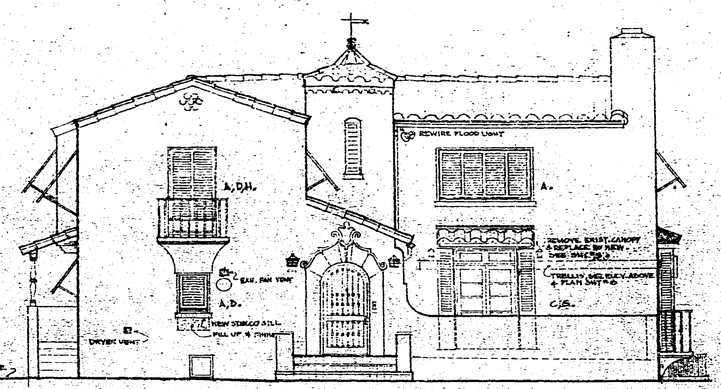
TRELLIS, NORTH ELEVATION 1/4" = 1'-0"



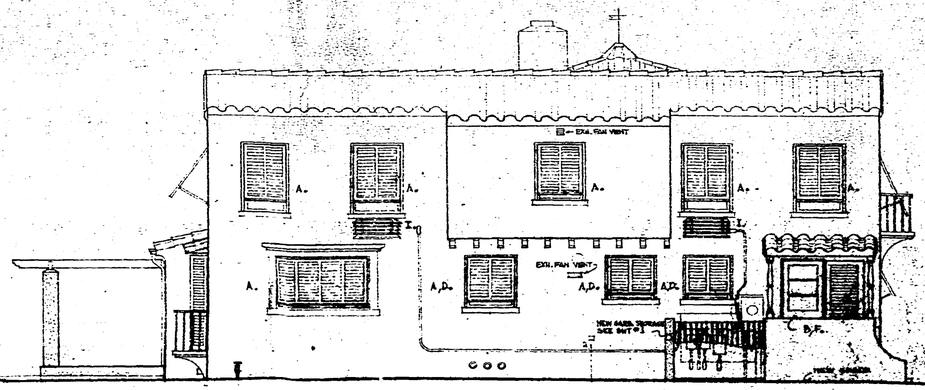
TRELLIS, EAST ELEVATION 1/4" = 1'-0"



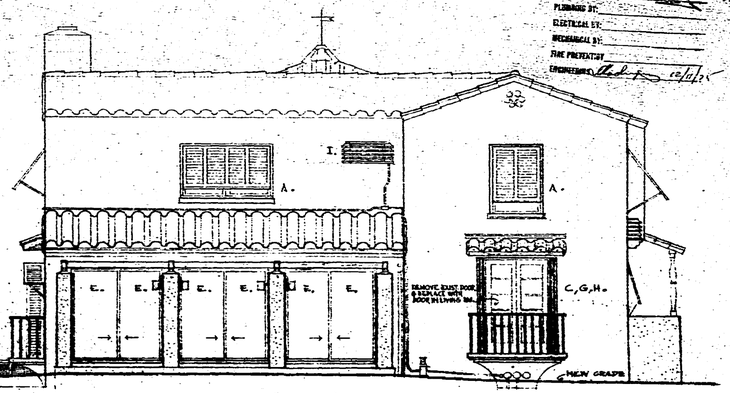
NORTH ELEVATION 1/4" = 1'-0"



EAST ELEVATION 1/4" = 1'-0"



SOUTH ELEVATION 1/4" = 1'-0"



WEST ELEVATION 1/4" = 1'-0"

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JAN HOCHSTIM A/A ARCHITECT
PAUL BURSON, DELG. CONSULTANT

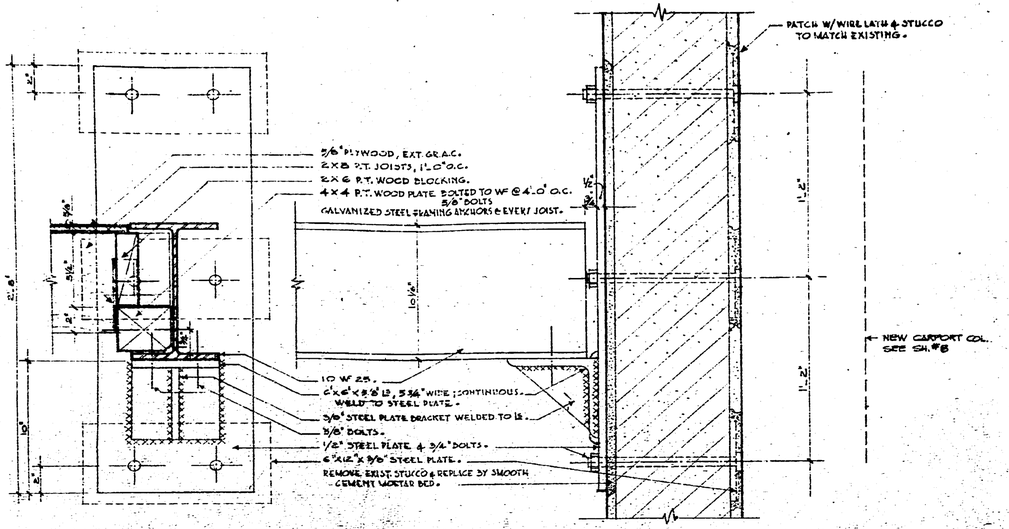
RESIDENCE of MR. ARTHUR C. STIFEL III
517 NORTH COCONUT LANE, PALM ISLAND

DRAWN
REVISED 7/14/
DATE 4/10/

ELEVATIONS

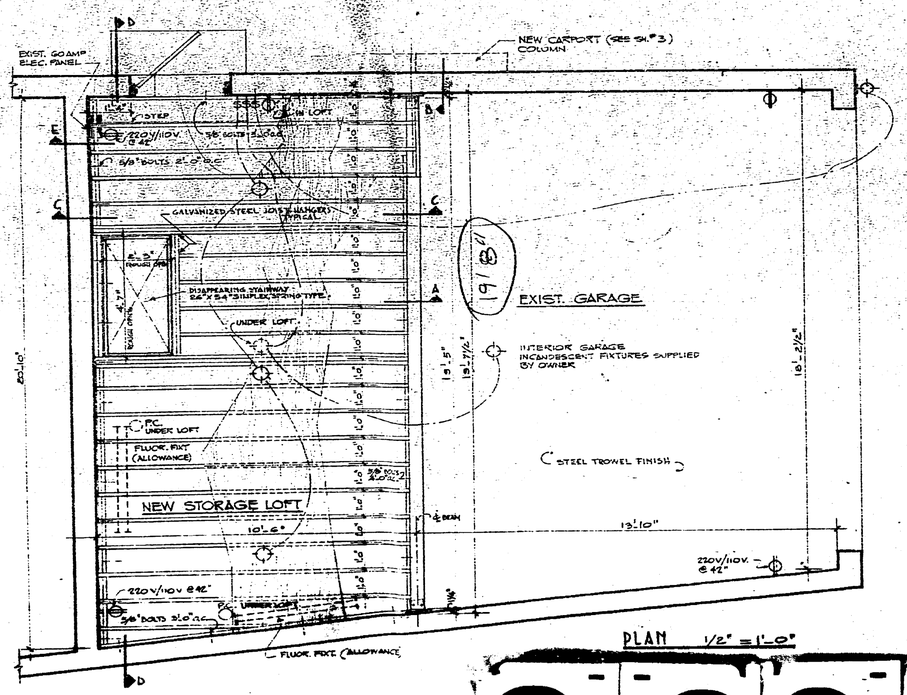
8

8966

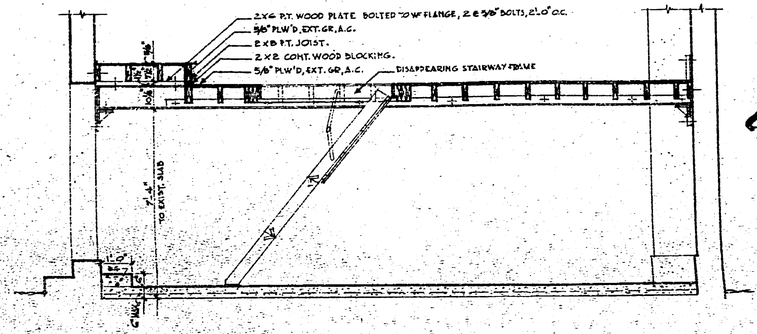


DETAIL "A" 3"=1'-0"

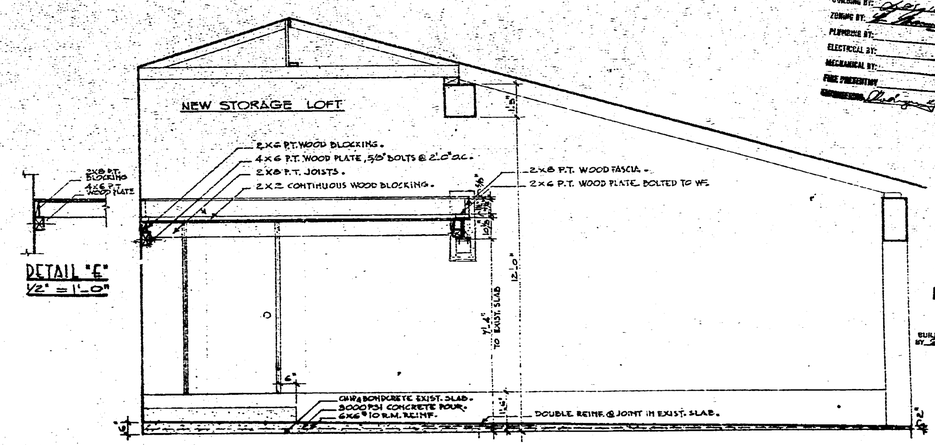
DETAIL "B" 3"=1'-0"



PLAN 1/2"=1'-0"



SECTION "D-D" 1/2"=1'-0"



SECTION "C-C" 1/2"=1'-0"

DETAIL "E" 1/2"=1'-0"

CITY OF MIAMI BEACH
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MECHANICAL BY:
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JAN HOCHSTIM A.I.A. ARCHITECT
PAUL BUISSON DPLG CONSULTANT.

RESIDENCE of MR. ARTHUR C. STIFEL III
317 NORTH COCONUT LANE, PALM ISLAND

DRAWN P.B.

REVISIONS 6/11/7 7/14/7

DATE 6/6/7

GARAGE STORAGE LOFT PLAN & SECTIONS

SHEET NO. 7 OF 7

ORDER NO. 7402

8 8 9 6 6

DATE:

CITY OF MIAMI BEACH
BUILDING INSPECTION DIVISION
ATTN: BUILDING OFFICIAL

I certify that I am the legal owner of the property described as:
319 N. Cocoanut Lane, Palm I. Miami B. Florida 33139
Lot 1 in Block 24 Bramhall Subdivision of Lots 1 and additional thereto, according to the Plat thereof as recorded in Plat Book 28 at page 77 of the Public Records of Dade County, Florida

The applicant for the building permit is my authorized agent.

APPLICANT FOR LEGAL OWNER: WILLIAM ERSKINE EARNEST

STATE OF FLORIDA

COUNTY OF DADE

The undersigned, being first duly sworn, deposes and says that he (she) is the legal owner or authorized agent of the above property.

LEGAL OWNER: Arthur J. Stiffel Jr. Dorothy C. Stiffel III
AUTHORIZED AGENT:

Sworn to and subscribed before me this 5 day of Dec, 1975

Patricia Simpson
Notary Public
State of Florida at Large

Notary Seal

PLAN OF SURVEY scale: 1"=50'

LOCATION MAP scale: 1"=100'

DESCRIPTION

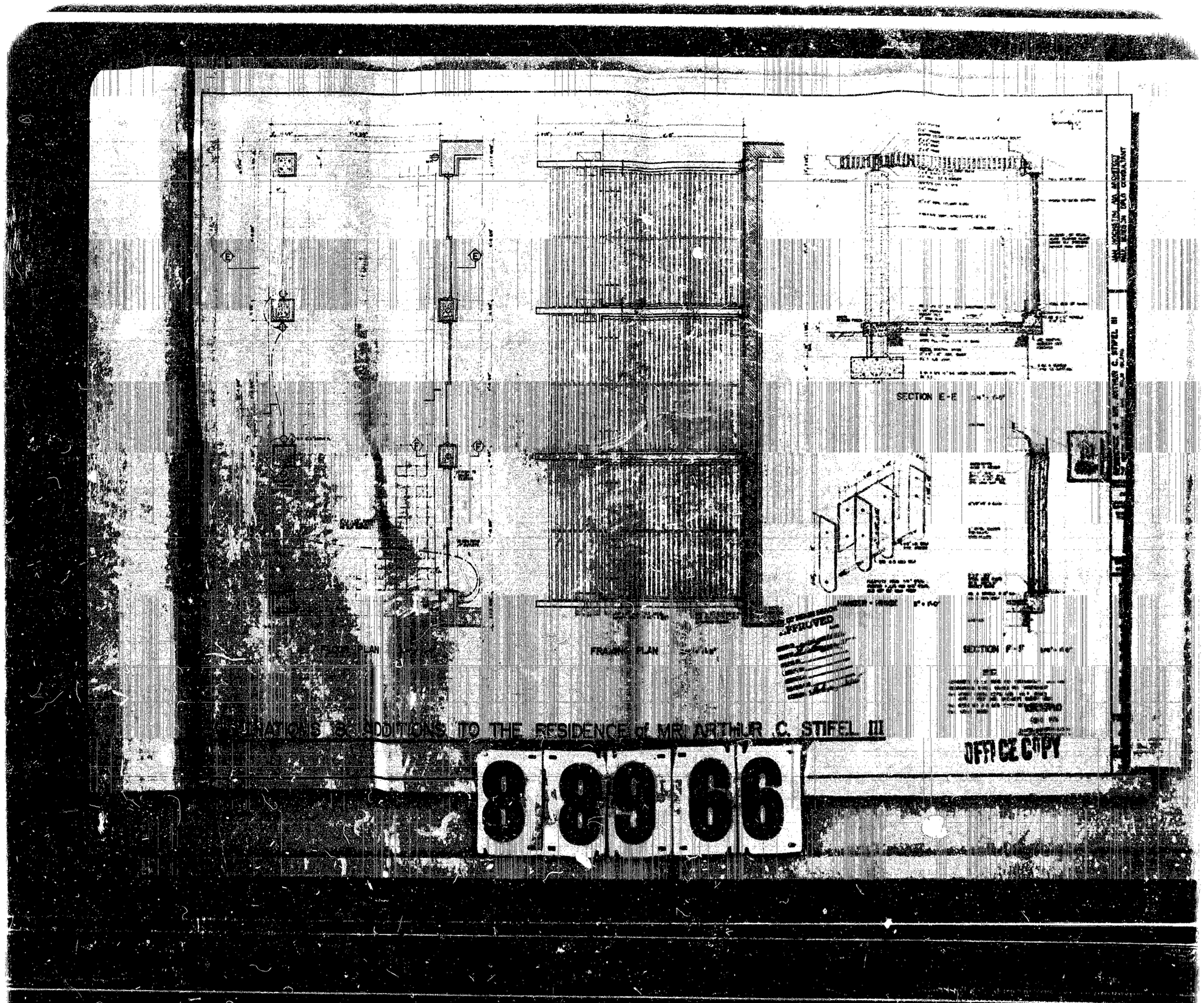
Lot 1 in Block 24 of Bramhall Subdivision of Lots 1 and additional thereto, according to the plat thereof, recorded in Plat Book 28 at Page 77 of the Public Records of Dade County, Florida.

Surveying
Land Surveying
Highway Surveying
Land Planning

EMERAL
URVEYING
INC.

HENRY E. CANALEJO
No. 1703
STATE OF FLORIDE
REGISTERED LAND SURVEYOR

8 89 66


SECTION E-E
FRAMING PLAN
SECTION F-F
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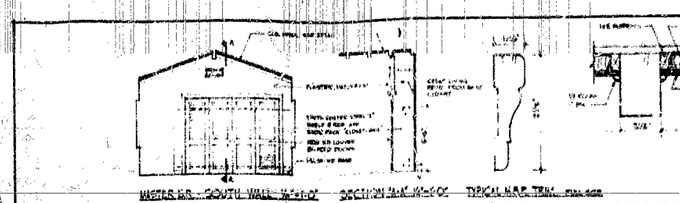
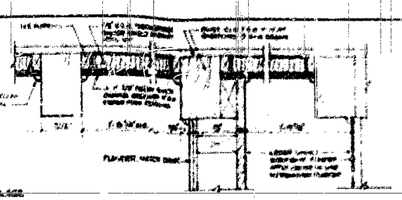
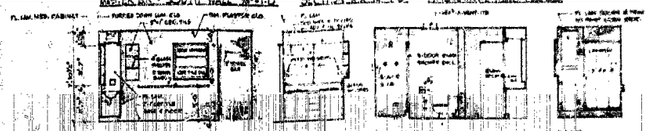


MASTER BR. - SOUTH WALL



SECTION THRU

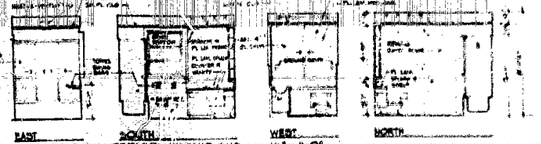


NORTH
MASTER BATHROOM

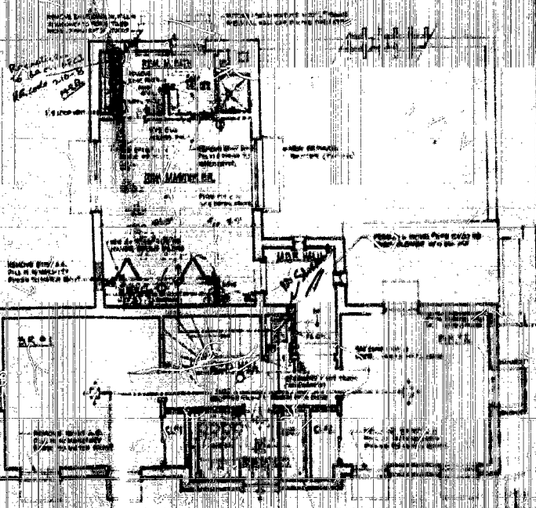
WEST

SOUTH

EAST

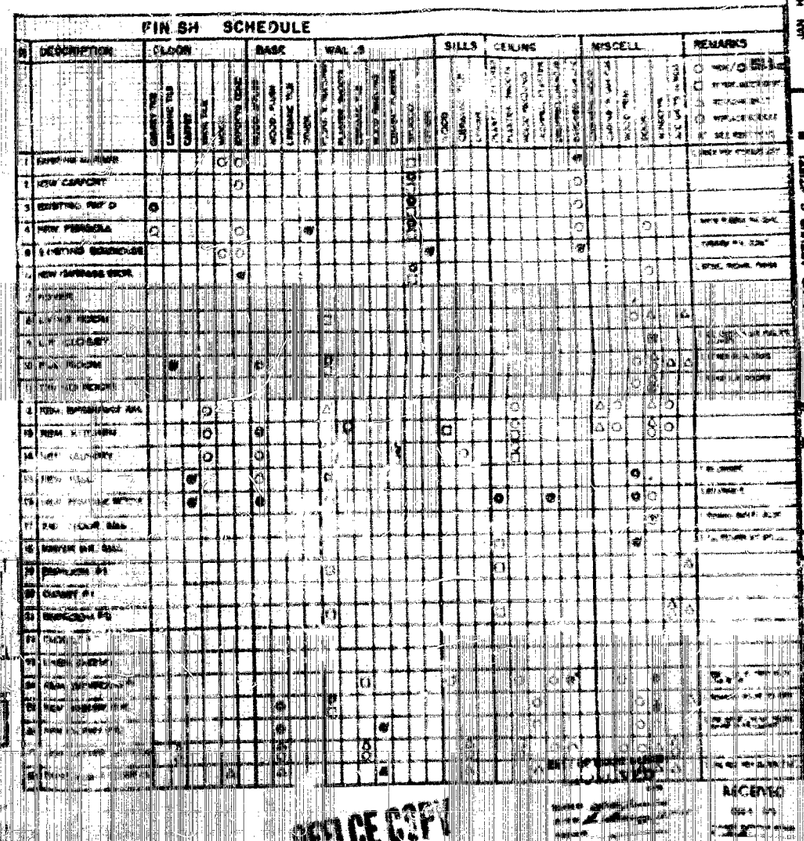


EAST
SOUTH
WEST
NORTH
BATHROOM INTERIOR ELEVATIONS



RECORD PLOT PLAN

MASTER BR. CEILING INSULATION DETAIL



FINISH SCHEDULE

#	DESCRIPTION	FLOOR	BASE	WALLS	SILLS	CEILING	MISCELL.	REMARKS
1	EXISTING GARAGE							
2	NEW CARPORT							
3	EXISTING PAT'O							
4	NEW PERGOLA							
5	EXISTING BEDROOM							
6	NEW GARAGE DOOR							
7	FOYER							
8	LIVING ROOM							
9	DINING ROOM							
10	FAM. ROOM							
11	KITCHEN							
12	MAST. BATHROOM							
13	MAST. BEDROOM							
14	LAUNDRY							
15	BATH							
16	BEDROOM							
17	BATH							
18	BEDROOM							
19	CLOSET							
20	BEDROOM							
21	CLOSET							

JAN HOCHSTIM A.I.A. ARCHITECT

RESIDENCE of MR. ARTHUR C. STIPEL

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8 89 66

NORTH

EAST

CASING TRIM DETAIL

POWDER RM. PLUMBING RISER

MASTER BATH PLUMBING RISER

SOUTH

WEST

BREAKFAST - EAST

KITCHEN ELEVATIONS

NORTH

EAST

SOUTH

SOUTH

LAUNDRY ROOM ELEVATIONS

POWDER RM.

FIRST FLOOR PLAN

OUTLINE SPECIFICATIONS

1. GENERAL REQUIREMENTS:
2. SITE WORK:
3. CONCRETE
4. MASONRY
5. METALS
6. WOOD AND PLASTICS
7. THERMAL AND MOISTURE PROTECTION
8. DOORS AND WINDOWS
9. FINISHES
10. SPECIALTIES
11. EQUIPMENT
12. FURNISHINGS
13. SPECIAL CONSTRUCTION
14. CONVEYING SYSTEMS
15. MECHANICAL:
16. ELECTRICAL

JAN HOOGSTRA AIA ARCHITECT

REFERENCE of MR. ARTHUR C. STIFEL III

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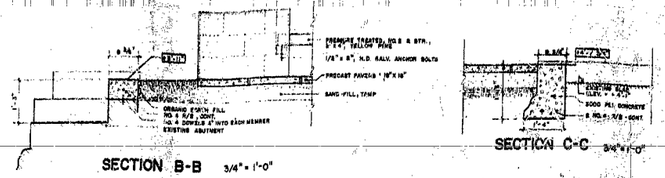
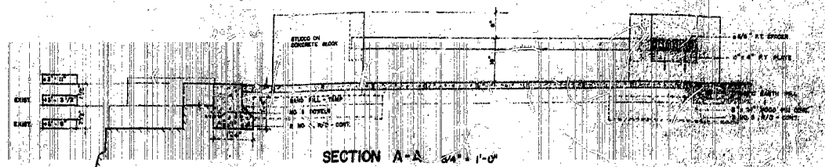
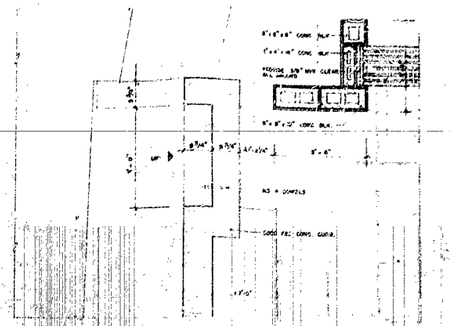


SECTION B-B 3/4" = 1'-0"

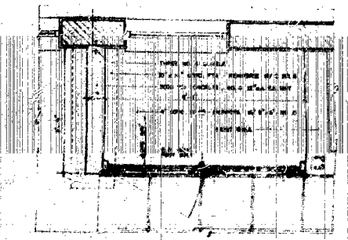
SECTION C-C 3/4" = 1'-0"



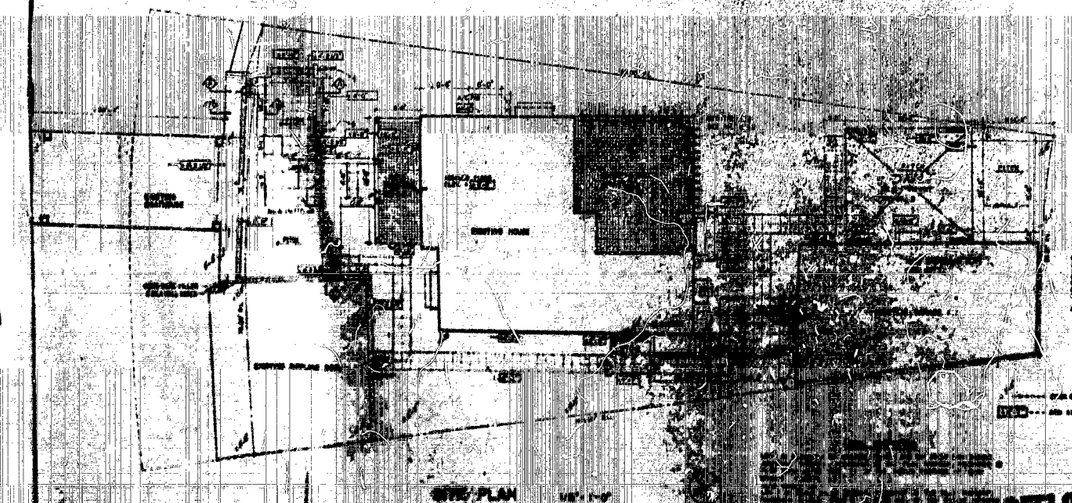
SECTION A-A 3/4" = 1'-0"



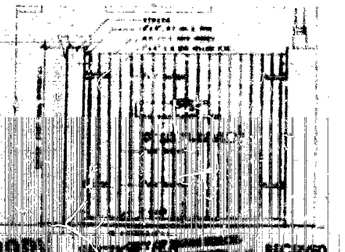
PLAN B-B 3/4" = 1'-0"



PLAN D-D 3/4" = 1'-0"



SITE PLAN



OFFICE COPY

ALTERATIONS & ADDITIONS TO THE RESIDENCE OF MR. ARTHUR C. STIFEL III

8966

MR. ARTHUR C. STIFEL III
JAN. HOUGSTRA ARCHITECT

DATE:

CITY OF MIAMI BEACH
BUILDING INSPECTION DIVISION
ATTN: BUILDING OFFICIAL

I certify that I am the legal owner of the property described as:

319 W. Cocoanut LANE, Palm I. MIAMI B., SUBDIVISION

The applicant for the building permits to be applied for is my duly authorized agent.

APPLICANT FOR LEGAL POWER: WILLIAM BOSKUHL EARLYBEST

STATE OF FLORIDA

COUNTY OF DADE

I, the undersigned, being first duly sworn, deposes and says that he (she) is the legal owner of authorized agent of the above property.

LEGAL OWNER: Catherine Whitten Jarman & Susan Jarman

AUTHORIZED AGENT:

Sworn to and subscribed before me this 5th day of October 1965

Patricia Simpson
NOTARY PUBLIC
State of Florida at Large

Notary Seal

PLAN OF SURVEY scale: 1"=10'

LOCATION MAP scale: 1"=100'

8 89 66

DETAIL 'A'

DETAIL 'B'

DETAIL 'C'

SECTION 'D-D'

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APPROVED

RECEIVED

JAN HOOGSTRA AIA ARCHITECT
WITH BURTON DRIG CONSULTANT.

RESIDENCE of MR. ARTHUR G. STIFFEL III
PALM ISLAND

8 89 66

LEGEND

- (A) NEW ALUM. SHUTTER-LOUVRATED BLADING - TYPE SHUTTER.
- (B) " " " VERTICAL LOUVERS.
- (C) " " " SOLID FLAT PVC SHUTTERS.
- (D) REPLACE EXIST. OPENING AS SHOWN W/ NEW ALUMINUM AWNING TYPE WINDOW.
- (E) NEW BLACK ANODIZED ALUMINUM JALOUSIE WITH GLASS LOUVERS.
- (F) NEW DOOR.
- (G) NEW TILE CANOPY.
- (H) REPLACE EXIST. OPENING W/ FLUSH ANODIZED ALUMINUM BALUSTER.
- (I) NEW ALUM. A.C. COVERED PERGOLA AS SHOWN ON PLAN.

TRELLIS, NORTH ELEVATION 1/4"=1'-0"

TRELLIS, EAST ELEVATION 1/4"=1'-0"

DETAIL A-B 1"=1'-0"

NORTH ELEVATION 1/4"=1'-0"

EAST ELEVATION 1/4"=1'-0"

SOUTH ELEVATION 1/4"=1'-0"

WEST ELEVATION 1/4"=1'-0"

JAN HOORNSTRA AIA ARCHITECT
ARCHITECTURE DESIGN PLANNING
1200 BRICKELL AVENUE MIAMI FLORIDA 33131

RESIDENCE of MR. ARTHUR G. STIPEL III
517 NORTH COCONUT LANE MIAMI BEACH FLORIDA

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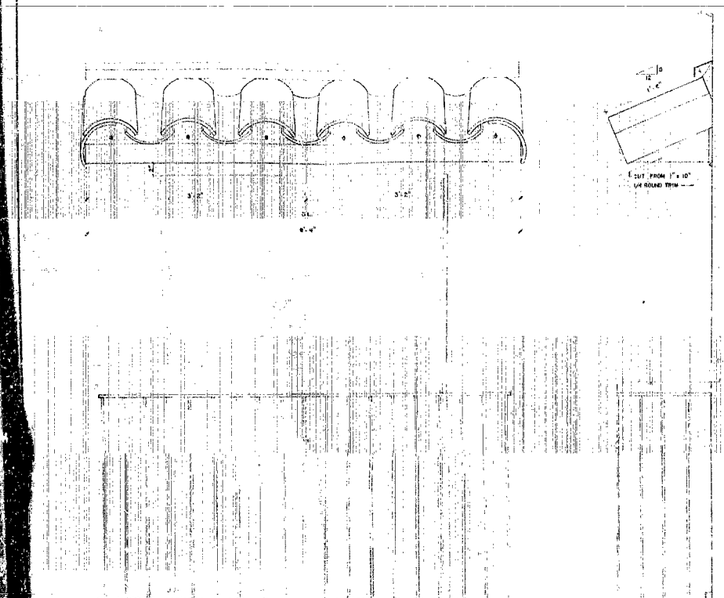
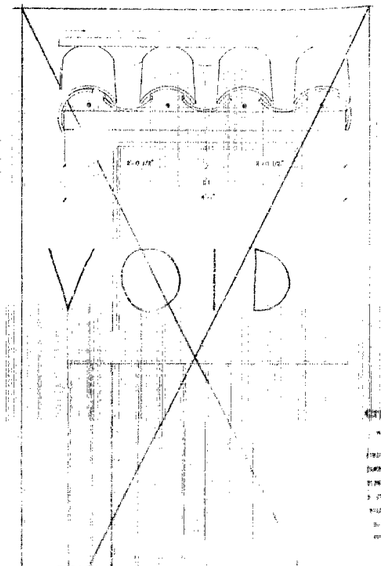
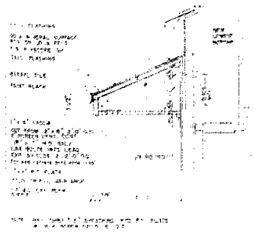
CITY OF MIAMI BEACH
APPROVED

RECEIVED

8 8 9 6 6







CITY OF [illegible]
APPROVED
DATE [illegible]
BY [illegible]
PERMIT NO. [illegible]
ADDRESS [illegible]
OWNER [illegible]
CONTRACTOR [illegible]

OFFICE COPY

ELEVATION - WEST O.R. BALCONY
NORTH L.R.

END ELEVATION

ELEVATION - EAST 2nd FLOOR BALCONY

TYPICAL SECTION

ALTERATIONS & ADDITIONS TO THE RESIDENCE of MR. ARTHUR C. STIFEL III

88966

JAN HOCHSTIM AIA ARCHITECT

MIAMI BEACH RFR1900905

NOTICE: In addition to the requirement of this permit there may be additional restrictions applicable to this property that may be found in the Public Records of this County and there may be additional permits required from other government entities such as water management's districts, state agencies, or federal agencies.
The City of Miami Beach assumes no responsibility for accuracy of or results from these plans which are approved subject to compliance with all Federal, State, and Local Laws, Rules, and Regulations

City of Miami Beach
Building Department
Roofing Permit
OFFICE COPY
Revision To Chapter 15 (High Velocity Hurricane Zone)
Roofing
Zoning

REQUIRED OWNERS NOTIFICATION FOR ROOFING CONSIDERATIONS

It is the responsibility of the roofing contractor to provide the owner with the required roofing permit, and to explain to the owner the content of this form. The owner's initials in the designated space indicates that the item has been explained.

LM **1. Aesthetics-workmanship:** The workmanship provisions of Chapter 15 (High Velocity Hurricane Zone) are for the purpose of providing that the roofing system meets the wind resistance and water intrusion performance standards. Aesthetics (appearance) are not a consideration with respect to workmanship provisions. Aesthetic issues such as color or architectural appearance, that are not part of a zoning code, should be addressed as part of the agreement between the owner and the contractor.

LM **2. Renailing wood decks:** When replacing roofing, the existing wood roof deck may have to be renailed in accordance with the current provisions of Chapter 16 (High Velocity Hurricane Zones) of the Florida Building Code. (The roof deck is usually concealed prior to removing the existing roof system).

LM **3. Common roofs:** Common roofs are those which have no visible delineation between neighboring units (i.e. townhouses, condominiums, etc.). In buildings with common roofs, the roofing contractor and/or owner should notify the occupants of adjacent units of roofing work to be performed.

LM **4. Exposed ceilings:** Exposed, open beam ceilings are where the underside of the roof decking can be viewed from below. The owner may wish to maintain the architectural appearance; therefore, roofing nail penetrations of the underside of the decking may not be acceptable. The owner provides the option of maintaining this appearance.

LM **5. Ponding water:** The current roof system and/or deck of the building may not drain well and may cause water to pond (accumulate) in low-lying areas of the roof. Ponding can be an indication of structural distress and may require the review of a professional structural engineer. Ponding may shorten the life expectancy and performance of the new roofing system. Ponding conditions may not be evident until the original roofing system is removed. Ponding conditions should be corrected.

LM **6. Overflow scuppers (wall outlets):** It is required that rainwater flow off so that the roof is not overloaded from a build up of water. Perimeter/edge walls or other roof extensions may block this discharge if overflow scuppers (wall outlets) are not provided. It may be necessary to install overflow scuppers in accordance with the requirements of: Chapter 15 and 16 herein and the ***Florida Building Code, Plumbing***.

LM **7. Ventilation:** Most roof structures should have some ability to vent natural airflow through the interior of the structural assembly (the building itself). The existing amount of attic ventilation shall not be reduced.

Owner's/Agent's Signature: Lucia R. Kenrod Date: 07 / 11 / 19

Contractor's Signature: Dolores T Hernandez Permit Number:

Property Address: 317 N. Coconut Ln Miami Beach, FL 33139

NOTICE: In addition to the requirement of this permit there may be additional restrictions applicable to this property that may be found in the Public Records of this County and there may be additional permits required from other government entities such as water management's districts, state agencies, or federal agencies.
The City of Miami Beach assumes no responsibility for accuracy of or results from these plans which are approved subject to compliance with all Federal, State, and Local Laws, Rules, and Regulations

MIAMIBEACH

Building Department
1700 Convention Center Drive, 2nd FL
Miami Beach, Florida 33139
Telephone: 305-673-7610
http://www.miamibeachfl.gov/city-hall/building/

OWNER'S AFFIDAVIT OF EXEMPTION

ROOF TO WALL CONNECTION HURRICANE MITIGATION RETROFIT FOR EXISTING SITE-BUILT SINGLE FAMILY RESIDENTIAL STRUCTURES PURSUANT TO SECTION 553.844 F.S.

Date: 7/11/19

To: Building Official, City of Miami Beach
1700 Convention Center Dr.
Miami Beach, FL 33139

Re: Owner's Name: Lucia Penrod

Property Address: 317 N. Coconut LN. M.B. FL

Roofing Permit Number: _____

Dear Building Official:

I, Dolores T Hernandez, certify that I am not required to retrofit the roof-to-wall connections of my building because:

□ The just valuation for the structure for purposes of ad valorem taxation is less than $300,000.00.

☑ The building was constructed in compliance with the provisions of the Florida Building Code.

_____
Signature of Qualifying Agent:

Dolores T Hernandez
Print Name:

STATE OF FLORIDA COUNTY OF MIAMI-DADE

Sworn to and subscribed before me this 11

day of July, 2019,

_____
(SEAL)

CLARA VALDES
Notary Public - State of Florida
Commission # GG 215492
My Comm. Expires May 13, 2022
Bonded through National Notary Assn.

☑ Personally known ____ or Produced Identification: _____

When the just valuation of the structure for purposes of ad valorem taxation is equal to or more than $300,000.00, and the building was not constructed in compliance with the FBC, an **affidavit** of Roof to Wall Connection Hurricane Mitigation Retrofit **must** be provided.

MIAMIBEACH

Building Department
1700 Convention Center Drive, 2nd FL
Miami Beach, Florida 33139
Telephone: 305-673-7610
http://www.miamibeachfl.gov/city-hall/building/

AFFIDAVIT OF COMPLIANCE WITH ROOF TO WALL CONNECTION HURRICANE MITIGATION RETROFIT FOR EXISTING SITE-BUILT SINGLE FAMILY RESIDENTIAL STRUCTURES PURSUANT TO SECTION 553.844 F.S.

Date: 7/11/19

To: Building Official, City of Miami Beach
1700 Convention Center Dr.
Miami Beach, FL 33139

Re: Owner's Name: Lucia Penrod

Property Address: 317. N. Coconut Ln M.B.

Roofing Permit Number: _____

Dear Building Official:

I Dolores T Hernandez, certify that I have improved the roof to wall connections of the referenced property as required by the Manual of Hurricane Mitigation Retrofits for Existing Site-Built Single Family Residential Structures as adopted by the Florida Building Commission by Rule 9B-3.047 F.A.C.

Signature of Qualifying Agent:

Dolores T Hernandez
Print Name:

STATE OF FLORIDA COUNTY OF MIAMI-DADE

Sworn to and subscribed before me this 11th day of July, 2019,

(SEAL)

CLARA VALDES
Notary Public - State of Florida
Commission # GG 215492
My Comm. Expires May 13, 2022
Bonded through National Notary Assn.

Personally known ____ or Produced Identification: _____

MIAMIBEACH

Building Department
1700 Convention Center Drive, 2nd FL
Miami Beach, Florida 33139
Telephone: 305-673-7610
http://www.miamibeachfl.gov/city-hall/building/

AFFIDAVIT OF COMPLIANCE WITH ROOF DECKING ATTACHMENT AND SECONDARY WATER BARRIER HURRICANE MITIGATION RETROFIT FOR EXISTING SITE-BUILT SINGLE FAMILY RESIDENTIAL STRUCTURES PURSUANT TO SECTION 553.844 F.S.

Date: 7/11/19

To: Building Official, City of Miami Beach
1700 Convention Center Dr
Miami Beach, FL 33139

Re: Owner's Name: Lucia Penrod

Property Address: 317 N. Coconut Lane M.B. Fl.

Roofing Permit Number: _____

Dear Building Official:

I, Dolores T Hernandez, certify that the roof decking attachment and fasteners have been strengthened and corrected and a secondary water barrier has been provided as required by the "Manual of Hurricane Mitigation Retrofits for Existing Site-Built, Single-Family Structures" adopted by the **Florida Building Commission by** Rule 9B-3.047 Florida Administrative Code (F.A.C.).

_____
Signature of Qualifying Agent:

Dolores T Hernandez
Print Name:

STATE OF FLORIDA COUNTY OF MIAMI-DADE

Sworn to and subscribed before me this 11th day of July, 20 19,

CLARA VALDES
Notary Public - State of Florida
Commission # GG 215492
My Comm. Expires May 13, 2022
Bonded through National Notary Assn.

Clara Valdes

(SEAL)

✓ Personally known ____ or Produced Identification: _____

Revised May 2018

Print Form

MIAMIBEACH City of Miami Beach HVHZ Electronic Roof Permit Form

Section A (General Information)

Master Permit No: _____ **Process No:** _____

Contractor's Name: Florida Roofing, Inc

Job Address: 317 N Coconut Lane Miami Beach, Fl.

Roof Category

- [x] Low Slope
- [ ] Mechanically Fastened Tile
- [x] Mortar/Adhesive Set Tile
- [ ] Asphaltic Shingles
- [ ] Metal Panel/Shingles
- [ ] Wood Shingles/Shakes
- [ ] Sprayed Polyurethane Foam
- [ ] Other: _____

Roof Type

- [ ] New Roof
- [x] Re-Roofing
- [ ] Recovering
- [ ] Repair
- [ ] Maintenance

Are there Gas Vent Stacks located on the roof? [ ] Yes [x] No If yes, what type? [ ] Natural [ ] LPGX

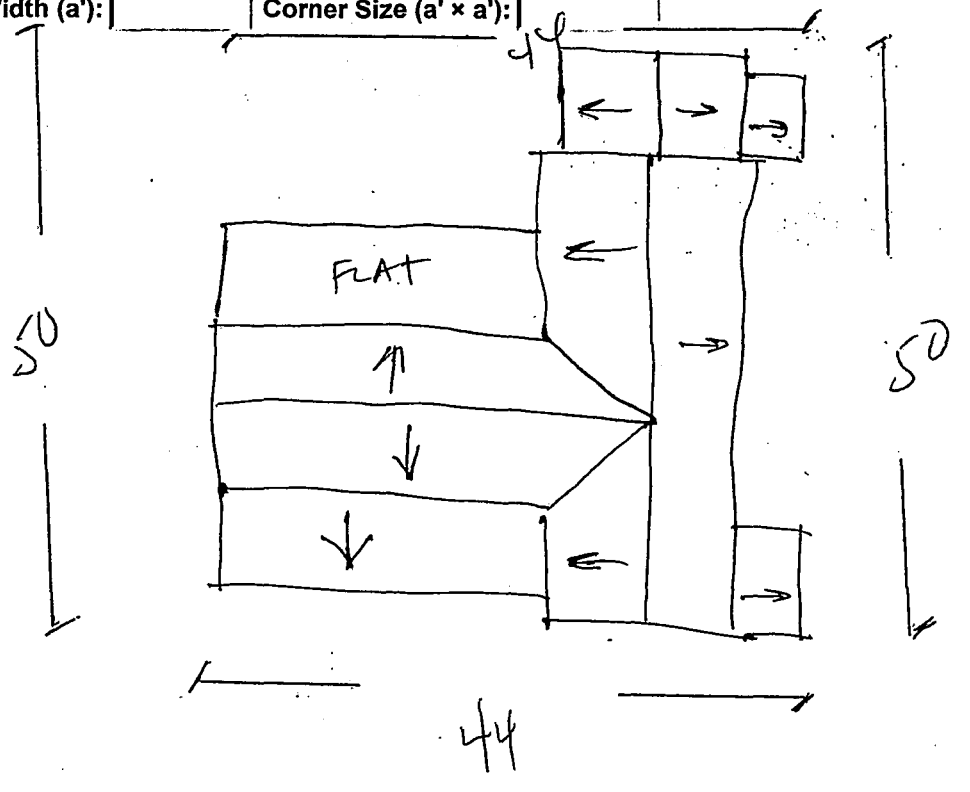
Roof System Information

Low slope roof area (ft.²) 300 Steep Sloped area (ft.²) 1900 Total (ft.²) 2200

Section B (Roof Plan)

Sketch Roof Plan: Illustrate all levels and sections, roof drains, scuppers, overflow scuppers and overflow drains. Include dimensions of sections and levels, clearly identify dimensions of elevated pressure zones and location of parapets.

Perimeter Width (a'): _____ **Corner Size (a' × a'):** _____



Print Form

MIAMIBEACH

City of Miami Beach HVHZ Electronic Roof Permit Form
Section D Tile Roof System

Roof System Manufacturer: Boral

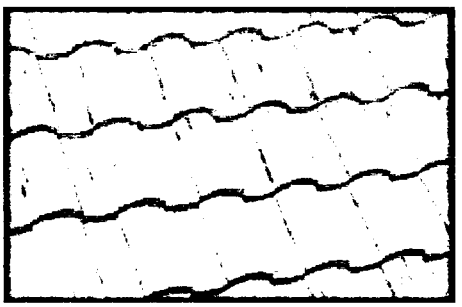
Notice of Acceptance Number (NOA): 19-0408.02

Minimum Design Wind Pressures, If Applicable (from RAS 127 or Calculations):

P 1: 51.4 **P 2:** 86.2 **P 3:** 129.7

Maximum Design Wind Pressures, (From the NOA Specific system): 38.7 **psf**

Fill in the specific roof assembly components. If a component is not required, insert not applicable (n/a) in the text box.



Roof Slope: 4 "/12"

Roof Mean Height: 12 ft.

Method of Tile Attachment:

--Adhesive, Medium Paddy Polyfoam Polypro--

Alternate Method of Tile Attachment per NOA:

Drip Edge Size & Gauge: --3" face 26 ga.--

Drip Edge Material Type: --Galvinized Metal--

Drip Edge Fastener Type: 1 1/4 rs nail

Hook Strip/Cleat gauge or weight: --n/a-

Deck Type: --5/8" Plywood--

Optional Insulation:

N/A

Optional Nailable Substrate:

N/A

Optional Nailable Substrate Attachment:

N/A

Basesheet Type:

#30 lbs felt tin-capped

Fastener Type for Basesheet Attachment:

1 1/4 rs nail

Tile Underlayment (Cap Sheet) Type:

Polyglass Tu Max

Tile Underlayment Attachment Method:

ICP Adhesive

Tile Profile:

Barcelona 900

Print Form

MIAMIBEACH **City of Miami Beach HVHZ Electronic Roof Permit Form**

Section E (Tile Calculations)

Method 1 "Moment Based Tile Calculations Per RAS 127"

For Moment based tile systems, use Method 1. Compare the values for Mr with the values from Mf. If the Mf values are greater than or equal to the Mr values, for each area of the roof, then the tile attachment method is acceptable.

P 1:	-51.4	x I	.301	= 15.47	- Mg:	6.90	= Mr1:	8.57	£	38.7 NOA Mf
P 2:	86.2	x I	.301	= 25.95	- Mg:	6.90	= Mr2:	19.05	£	38.7 NOA Mf
P 3:	129.7	x I	.301	= 39.04	- Mg:	6.90	= Mr3:	32.14	£	38.7 NOA Mf

Method 3 "Uplift Based Tile Calculations Per RAS 127"

For Uplift based tile systems use Method 3. Compare the values for F' with the values for Fr. If the F' values are greater than or equal to the Fr values, for each area of the roof, then the tile attachment method is acceptable.

P1:		× I:		=		× w:		=		- W:		=		× cos q:		= Fr1:		£		NOA F'
P2:		× I:		=		× w:		=		- W:		=		× cos q:		= Fr2:		£		NOA F'
P3:		× I:		=		× w:		=		- W:		=		× cos q:		= Fr3:		£		NOA F'

Where to Obtain Information to complete tile calculations

Description	Symbol	Where to Find
Design Pressure	P1 or P2 or P3	Table 1 RAS 127, or by an engineer analysis prepared, signed and sealed by a professional engineer based on ASCE 7.
Mean Roof Height	H	Job Site
Roof Slope	q	Job Site
Aerodynamic Multiplier	I	Product Approval (NOA)
Restoring Moment due to Gravity	Mg	Product Approval (NOA)
Attachment Resistance	Mf	Product Approval (NOA)
Required Moment Resistance	Mr	Calculated
Minimum Attachment Resistance	F'	Product Approval (NOA)
Required Uplift Resistance	Fr	Calculated
Average Tile Weight	W	Product Approval (NOA)
Tile Dimensions	l = length w = width	Product Approval (NOA)

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Boral Roofing, LLC
7575 Irvine Center Drive, Suite 100
Irvine, CA 92618

SCOPE:

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

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.
This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Barcelona 900 Concrete Roof Tile

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

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

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

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

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

This NOA revises NOA No.18-0509.15 and consists of pages 1 through 7.

The submitted documentation was reviewed by ***Freddy Semino***

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Roofing Tiles
Material: Concrete

1. SCOPE

This approves a roofing system using **Barcelona 900 Concrete Roof Tile**, as manufactured **Boral Roofing LLC** in **Lake Wales, FL** and described this Notice of Acceptance. For locations where the pressure requirements, as determined by applicable Building Code, do not exceed the design pressure values obtained by calculations in compliance with RAS 127 using the values listed in the installation section herein. The attachment calculations shall be done as a moment based system.

2. PRODUCT DESCRIPTION

Manufactured by Applicant	Dimensions	Test Specifications	Product Description
Barcelona 900	Length = 17" Width = 13" ½" thick	TAS 112 Type – 1a	High profile, interlocking, one-piece, 'S' shaped, high-pressure extruded concrete roof tile equipped with three nail holes. For direct deck or battened nail-on, mechanically fastened, mortar set or adhesive set applications.
Trim Pieces	Length: varies Width: varies varying thickness	TAS-112	Accessory trim, boosted Barcelona, concrete roof pieces for use at hips, rakes, ridges and valley terminations manufactured for each tile profile.

2.1 PRODUCTS MANUFACTURED BY OTHERS

Product Name	Product Description	Manufacturer (With Current NOA)
ICP Adhesives Polyset® AH-160	Two component polyurethane foam adhesive.	ICP Adhesives and Sealants, Inc.
TILE BOND™ Roof Tile Adhesive	Single component polyurethane foam roof tile adhesive.	The Dow Chemical Company
DAP Foam Touch N Seal StormBond® 2 Roof Tile Adhesive	Two component polyurethane foam adhesive.	Dap Foam Inc.

2.2 MANUFACTURING LOCATION

2.2.1. Lake Wales, FL

2.3 SUBMITTED EVIDENCE:

Test Agency	Test Identifier	Test Name/Report	Date
Redland Technologies	7161-03 Appendix III	Static Uplift Testing TAS 102 & TAS 102(A)	Dec. 1991
Redland Technologies	7161-03 Appendix II	Wind Tunnel Testing TAS 108(Nail-On)	Dec. 1991
Redland Technologies	P0402	Withdrawal Resistance Testing of screw vs. smooth shank nails	Sept. 1993
Redland Technologies	Letter Dated Aug. 1, 1994	Wind Tunnel Testing TAS 108 (Nail-On)	Aug. 1994
Redland Technologies	P0631-01	Wind Tunnel Testing TAS 108 (Mortar Set)	July 1994
Professional Service Industries, Inc.	IC-1320-94	Physical Properties TAS 112	Feb. 1995
The Center for Applied Engineering, Inc.	25-7688-3 25-7688-10	TAS 101 (Adhesive Set) TAS 101 (Mortar Set)	June 1996 July 1996
The Center for Applied Engineering, Inc.	25-7688-5	Static Uplift Testing TAS 102 (3" Headlap, Nails, Direct Deck, New Construction)	June 1996
The Center for Applied Engineering, Inc.	25-7688-4	Static Uplift Testing TAS 102 (4" Headlap, Nails, Clips)	June 1996
Celotex Corporation Testing Services	520111-3 520191-2-1	Static Uplift Testing TAS 101	Dec. 1998 March 1999
Walker Engineering, Inc.	Calculations	Aerodynamic Multiplier	09/01/16
Walker Engineering, Inc.	Evaluation Calculations	Restoring Moments Due to Gravity	09/01/16
American Test Lab of South Florida	RT0617.03-16	TAS 112	06/29/16
PRI Construction Materials Technologies	COPO-002-02-10	Static Uplift Testing TAS 101 (Adhesive Set)	10/12/2016
PRI Construction Materials Technologies	COPO-002-02-02	Static Uplift Testing TAS 101 (Adhesive Set)	10/12/2016
PRI Construction Materials Technologies	COPO-002-02-01	Static Uplift Testing TAS 101 (Adhesive Set)	10/12/2016

3. LIMITATIONS:

3.1 Fire classification is not part of this acceptance.

3.2 For mortar or adhesive set tile applications, a static field uplift test in accordance with TAS 106 may require, refer to applicable building code.

3.3 Applicant shall retain the services of a Miami-Dade County Certified Laboratory to perform quarterly test in accordance with TAS 112, appendix 'A'. Such testing shall be submitted to the Department of Regulatory and Economic Development – Product Control Section for review.

3.4 Minimum underlayment shall be in compliance with the applicable Roofing Applications Standards listed section 4.1 herein.

3.5 30/90 hot mopped underlayment applications may be installed perpendicular to the roof slope unless stated otherwise by the underlayment material manufacturers published literature.

3.6 This acceptance is for wood deck applications. Minimum deck requirements shall be in compliance with applicable building code.

4. INSTALLATION

4.1 Barcelona 900 Concrete Roof Tile and its components shall be installed in strict compliance with Roofing Application Standard RAS 118, RAS 119, and RAS 120.

4.2 Data For Attachment Calculations

Table 1: Average Weight (W) and Dimensions (l x w)

Tile Profile	Weight-W (lbf)	Length-l (ft.)	Width-w (ft.)
Barcelona 900	11.5	1.417	1.08

Table 2: Aerodynamic Multipliers - λ (ft^3)

Tile Profile	λ (ft^3) Batten Application	λ (ft^3) Direct Deck Application
Barcelona 900	0.286	0.301

Table 3: Restoring Moments due to Gravity - M_g (ft.-lbf)

Tile Profile	2":12"		3":12"		4":12"		5":12"		6":12"		7":12" or greater	
Barcelona 900	Battens	Direct Deck	Battens	Direct Deck	Battens	Direct Deck	Battens	Direct Deck	Battens	Direct Deck	Battens	Direct Deck
	6.19	7.07	6.19	7.00	6.19	6.90	6.06	6.76	5.92	6.60	5.76	6.42

Table 4: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Mechanically Attached Systems				
Tile Profile	**Fastener Type**	**Direct Deck (min 15/32" plywood)**	**Direct Deck (min. 19/32" plywood)**	**Battens**
Barcelona 900	2-10d Ring Shank Nails	28.6	41.2	19.4
	1-10d Smooth or Screw Shank Nail	5.1	6.8	2.8
	2-10d Smooth or Screw Shank Nails	6.9	9.2	7.3
	1 #8 Screw	20.7	20.7	18.1
	2 #8 Screw	43.2	43.2	29.8
	1-10d Smooth or Screw Shank Nail (Field Clip)	23.1	23.1	19.0
	1-10d Smooth or Screw Shank Nail (Eave Clip)	29.3	29.3	24.0
	2-10d Smooth or Screw Shank Nails (Field Clip)	27.6	27.6	38.6
	2-10d Smooth or Screw Shank Nails (Eave Clip)	38.1	38.1	41.8

Table 5: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Mechanically Attached Systems				
Tile Profile	**Fastener Type**	**Direct Deck (min 15/32" plywood)**	**Direct Deck (min. 19/32" plywood)**	**Battens**
Barcelona 900	2-10d Ring Shank Nails[1]	33.1	48.1	45.2
1 Installation with a 4" tile headlap and fasteners are located a min. of 2½" from head of tile.				

Table 6: Attachment Resistance Expressed as a Moment M_f (ft-lbf) for Two Paddy Adhesive[1] Set Systems		
Tile Profile	**Tile Application**	**Minimum Attachment Resistance**
Barcelona 900	Tile Bond™ One Component Roof Tile Adhesive	29.3[2]
	ICP Adhesives Polyset® AH-160 two-component foam	29.3[3]
	DAP Foam Touch N Seal StormBond® 2 Roof Tile Adhesive	66[4]
1 **See manufactures component approval for installation requirements.**		
2 TILE BOND™ Roof Tile Adhesive; Average weight per paddy 10.7 grams.		
3 ICP Adhesives and Sealants, Inc.'s ICP Adhesives Polyset AH-160; Average weight per paddy 8 grams.		
4 DAP Foam Touch N Seal StormBond® Roof Tile Adhesive Two-Component; Average weight per paddy 8 grams.		

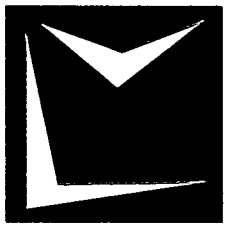
Table 7: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Single Paddy Adhesive Set Systems		
Tile Profile	**Tile Application**	**Minimum Attachment Resistance**
Barcelona 900	ICP Adhesives Polyset® AH-160 two-component foam	66.5 [5]
	ICP Adhesives Polyset® AH-160 two-component foam	38.7 [6]
	DAP Foam Touch N Seal StormBond® 2	63 [7]
	DAP Foam Touch N Seal StormBond® 2	82 [8]
5 Large paddy placement of 63 grams		
6 Medium paddy placement of 24 grams		
7 Medium paddy placement of 30 grams		
8 Large paddy placement of 60 grams		

Table 8: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Mortar Set Systems		
Tile Profile	**Tile Application**	**Attachment Resistance**
Barcelona 900	Mortar Set[9]	24.5
9 See specific mortar manufacturers Notice of Acceptance		

5. LABELING

5.1 All tiles shall bear the imprint or identifiable marking of the manufacturer's name or logo as detailed below, or following statement: "Miami-Dade County Product Control Approved".

OR



LABEL FOR BARCELONA 900 TILE (LAKE WALES FL PLANT 2) LOCATED UNDERNEATH TILE

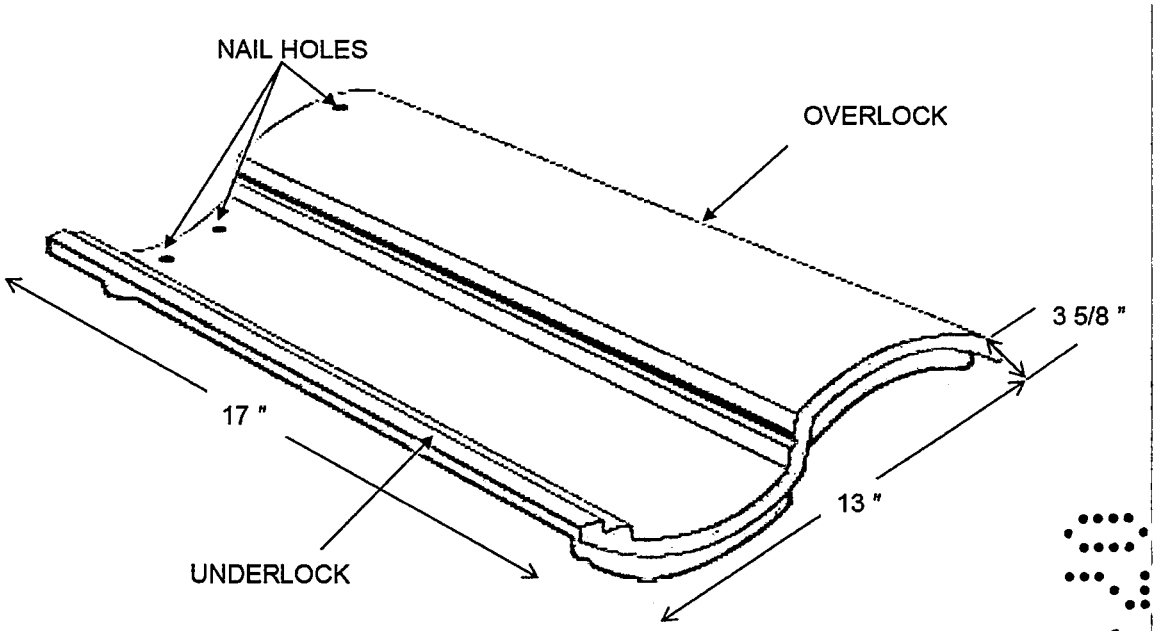
6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance.

6.1.2 Any other documents required by the Building Official or applicable building code in order to properly evaluate the installation of this system.

PROFILE DRAWING



BARCELONA 900 CONCRETE ROOF TILE

END OF THIS ACCEPTANCE

MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

ICP Adhesives and Sealants, Inc.
12505 NW 44th Street
Coral Springs, FL. 33065

SCOPE:

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

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

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

DESCRIPTION: ICP Adhesives Polyset® AH-160

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 16-0315.01 and consists of pages 1 through 11.
The submitted documentation was reviewed by Alex Tigera.

MIAMI-DADE COUNTY APPROVED

ROOFING COMPONENT APPROVAL:

Category: Roofing
Sub Category: Roof tile adhesive
Materials: Polyurethane

SCOPE:

This approves **ICP Adhesives Polyset® AH-160** as manufactured by **ICP Adhesives and Sealants, Inc.** as described in this Notice of Acceptance. For the locations where the design pressure requirements, as determined by applicable building code, do not exceed the design pressure values obtained by calculations in compliance with Roofing Application Standard RAS 127. For use with approved flat, low, and high profile roof tile systems using ICP Adhesives Polyset® AH-160.

PRODUCTS MANUFACTURED BY APPLICANT:

Product	Dimensions	Test Specifications	Product Description
ICP Adhesives Polyset®AH-160	N/A	TAS 101	Two component polyurethane foam adhesive
ICP Adhesives Foam Dispenser RTF1000	N/A		Dispensing Equipment
ICP Adhesives ProPack® 30 & 100	N/A		Dispensing Equipment

PRODUCTS MANUFACTURED BY OTHERS:

Any Miami-Dade County Product Control Accepted Roof Tile Assembly having a current NOA which list attachment resistance values with the use of ICP Adhesives Polyset® AH-160 roof tile adhesive.

MANUFACTURING LOCATION:

1. Tomball, TX.

PHYSICAL PROPERTIES:

Property	Test	Results
Density	ASTM D 1622	1.6 lbs./ft.^{3}
Compressive Strength	ASTM D 1621	18 PSI Parallel to rise 12 PSI Perpendicular to rise
Tensile Strength	ASTM D 1623	28 PSI Parallel to rise
Water Absorption	ASTM D 2127	0.08 Lbs./Ft^2
Moisture Vapor Transmission	ASTM E 96	3.1 Perm / Inch
Dimensional Stability	ASTM D 2126	+0.07% Volume Change @ -40° F., 2 weeks +6.0% Volume Change @158°F., 100% Humidity, 2 weeks
Closed Cell Content	ASTM D 2856	86%

Note: The physical properties listed above are presented as typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
Center for Applied Engineering	#94-060	TAS 101	04/08/94
	257818-1PA	TAS 101	12/16/96
	25-7438-3	SSTD 11-93	10/25/95
	25-7438-4		
	25-7438-7	SSTD 11-93	11/02/95
	25-7492	SSTD 11-93	12/12/95
Miles Laboratories Polymers Division	NB-589-631	ASTM D 1623	02/01/94
Ramtech Laboratories, Inc.	9637-92	ASTM E 108	04/30/93
Southwest Research Institute	01-6743-011	ASTM E 108	11/16/94
	01-6739-062b[1]	ASTM E 84	01/16/95
Trinity Engineering	7050.02.96-1	TAS 114	03/14/96
	P36700.04.12	ASTM D 1623	04/18/12
	P39740.02.12	TAS 101	02/21/12
		TAS 123	
Celotex Corp. Testing Services	528454-2-1	TAS 101	10/23/98
	528454-9-1		
	528454-10-1		
	520109-1	TAS 101	12/28/98
	520109-2		
	520109-3		
	520109-6		
	520109-7		
	520191-1	TAS 101	03/02/99
	520109-2-1		

LIMITATIONS:

1. Fire classification is not part of this acceptance. Refer to the Prepared Roof Tile Assembly for fire rating.
2. ICP Adhesives Polyset® AH-160 shall solely be used with flat, low, & high tile profiles.
3. Minimum underlayment shall be in compliance with the Roofing Application Standard RAS 120.
4. Roof Tile manufactures acquiring acceptance for the use of ICP Adhesives Polyset® AH-160 roof tile adhesive with their tile assemblies shall test in accordance with TAS 101.
5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

INSTALLATION:

1. ICP Adhesives Polyset® AH-160 may be used with any roof tile assembly having a current NOA that lists attachment resistance values with the use of ICP Adhesives Polyset® AH-160.
2. ICP Adhesives Polyset® AH-160 shall be applied in compliance with the Component Application section and the corresponding Placement Details noted herein. The roof tile assembly's adhesive attachment with the use of ICP Adhesives Polyset® AH-160 shall provide sufficient attachment resistance to meet or exceed the resistance value determined in compliance with Miami-Dade County Roofing Application Standards RAS 127. The adhesive attachment data is noted in the roof tile assembly NOA.
3. ICP Adhesives Polyset® AH-160 and its components shall be installed in accordance with Roofing Application Standard RAS 120, and ICP Adhesives and Sealants, Inc.'s Operating Instruction and Maintenance Booklet.
4. Installation must be by a Factory Trained 'Qualified Applicator' approved and licensed by ICP Adhesives and Sealants, Inc. ICP Adhesives and Sealants, Inc. shall supply a list of approved applicators to the authority having jurisdiction.
5. Calibration of the ICP Adhesives Foam Dispenser RTF1000 dispensing equipment is required before application of any adhesive. The mix ratio between the "A" component and the "B" component shall be maintained between 1.0-1.15 (A): 1.0 (B).
6. ICP Adhesives Polyset® AH-160 shall be applied with ICP Adhesives Foam Dispenser RTF1000 or ICP Adhesives ProPack® 30 & 100 dispensing equipment only.
7. ICP Adhesives Polyset® AH-160 shall not be exposed permanently to sunlight.
8. Tiles must be adhered in freshly applied adhesive. Tile must be set within 1 to 2 minutes after ICP Adhesives Polyset® AH-160 has been dispensed.
9. ICP Adhesives Polyset® AH-160 placement and minimum patty weight shall be in accordance with the 'Placement Details' herein. Each generic tile profile requires the specific placement noted herein.

Table 1: Adhesive Placement For Each Generic Tile Profile			
Tile Profile	**Placement Detail**	**Minimum Paddy Contact Area**	**Minimum Paddy Gram Weight**
Eave Course - Flat, Low, High Profiles	**All Eave Course**	**17-23 sq. inches**	**45-65**
Flat, Low, High Profiles	#1	17-23 sq. inches	45-65
Flat Profile	#2	10-12 sq. inches	30
Low Profile	#2	12-14 sq. inches	30
High Profile	#2	17-19 sq. inches	30
Flat, Low, High Profiles	#3	Two Paddys: 8-9 sq. inches at head of tile 9-11 sq. inches at overlap	12 grams per paddy
Two-Piece Barrel (Cap Tile)	Two Piece	2 Beads (1 each longitudinal edge) 20-25 sq. inches each bead	17 grams per bead
Two Piece Barrel (Pan Tile)	Two Piece	65-70 sq. inches	34 grams under pan

LABELING:

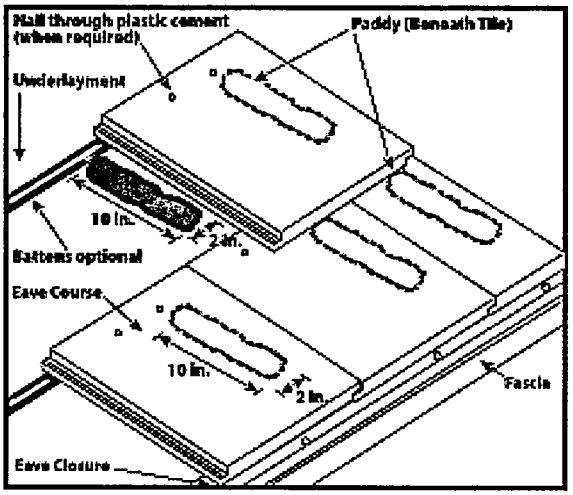
All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

MIAMI-DADE COUNTY APPROVED

BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or applicable building code in order to properly evaluate the installation of this system.

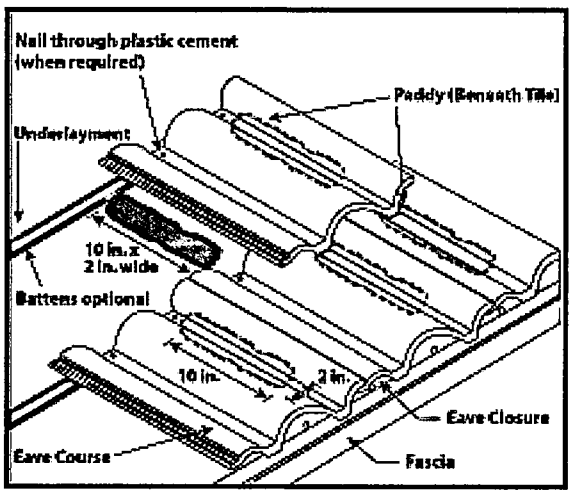
ADHESIVE PLACEMENT DETAIL # 1



Flat/Low Profile Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown, under the strengthening rib closest to the overlock of the tile being set.

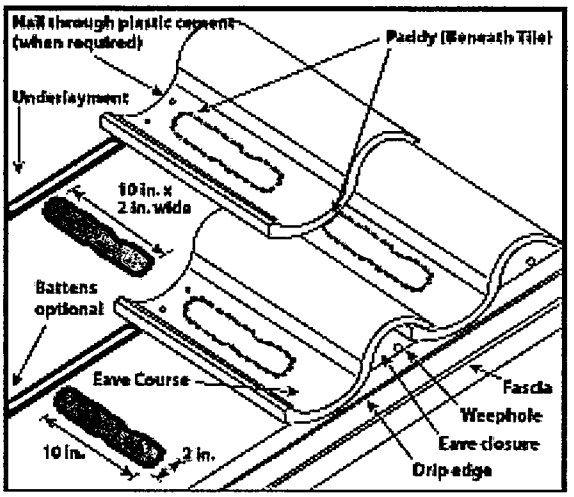
2. Continue in same manner. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.



Medium Profile / Double Pan Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.

2. Continue in same manner. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.

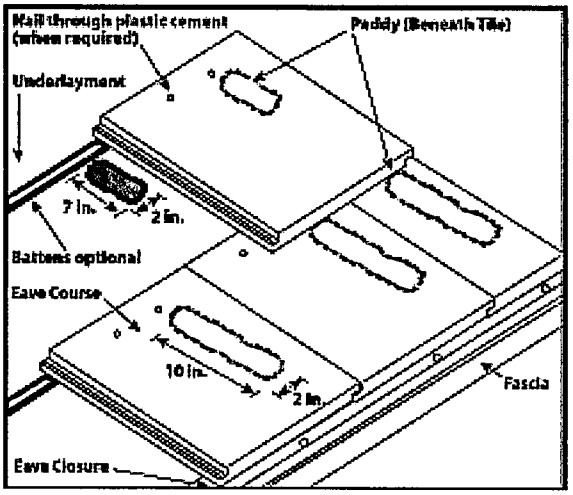


High Profile / Single Pan Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.

2. Continue in same manner. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.

ADHESIVE PLACEMENT DETAIL # 2

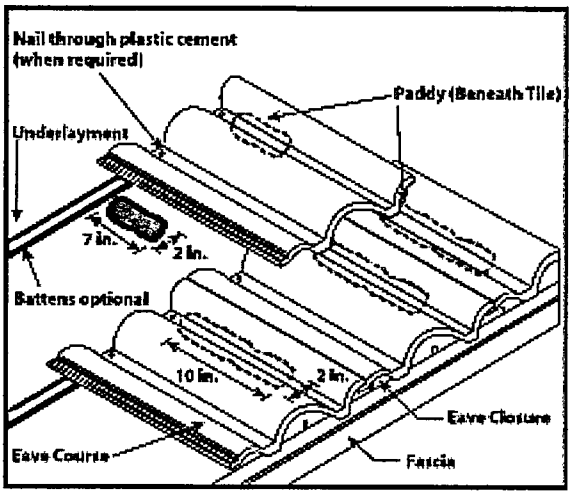


Flat/Low Profile Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the strengthening rib of the tile closest to the overlock of the tile being set. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.

2. At the second course, apply a minimum 2" (50.8mm) x 7" (177.8 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the strengthening rib closest to the overlock of the tile being set.

3. Continue in same manner. Insure approximately 10" (64.5 cm^2) - 12 (77.4 cm^2) square inch adhesive contact with the underside of the tile.



Medium Profile / Double Pan Tile

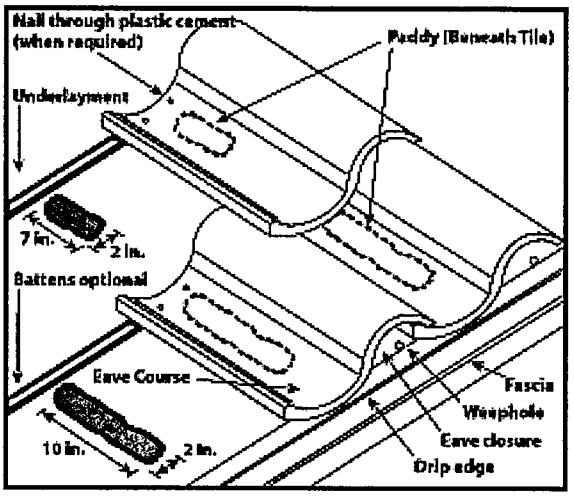
1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.

2. At the second course, apply a minimum 2" (50.8mm) x 7" (177.8 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.

3. Continue in same manner. Insure approximately 12" (77.4 cm2) - 14 (90.3 cm^2) square inch adhesive contact with the underside of the tile.

(Instructions continued on next page)

ADHESIVE PLACEMENT DETAIL # 2 (CONTINUED)



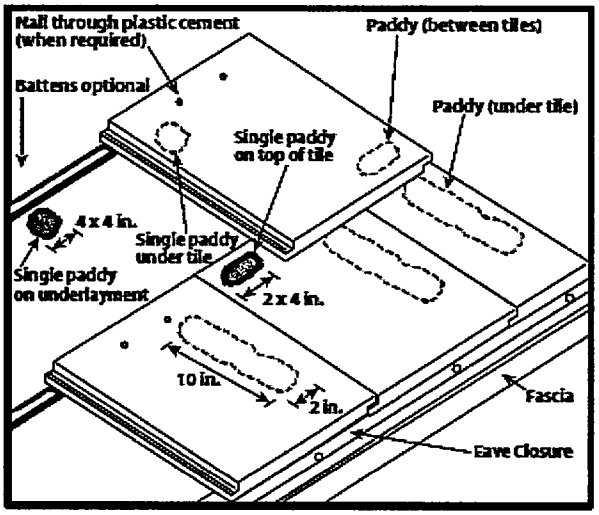
High Profile / Single Pan Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set. Insure approximately 17 (109.7 cm^2) – 23 (148.4 cm^2) square inch adhesive contact with the underside of the tile.

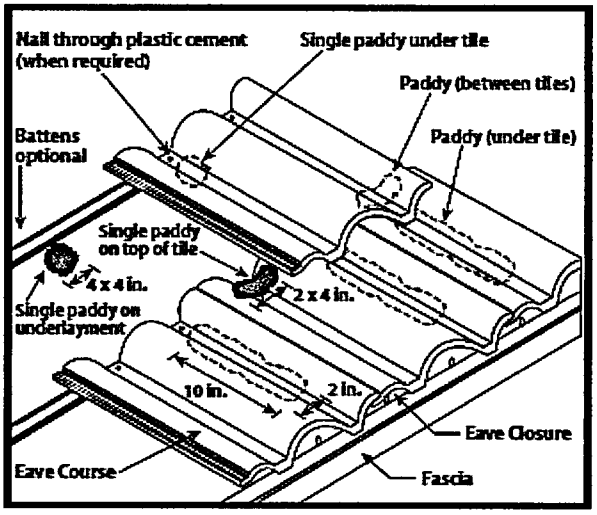
2. At the second course, apply a minimum 2" (50.8mm) x 7" (177.8 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.

3. Continue in same manner. Insure approximately 17" (109.7 cm^2) - 19 (122.6 cm^2) square inch adhesive contact with the underside of the tile.

ADHESIVE PLACEMENT DETAIL # 3



Flat/Low Profile Tile



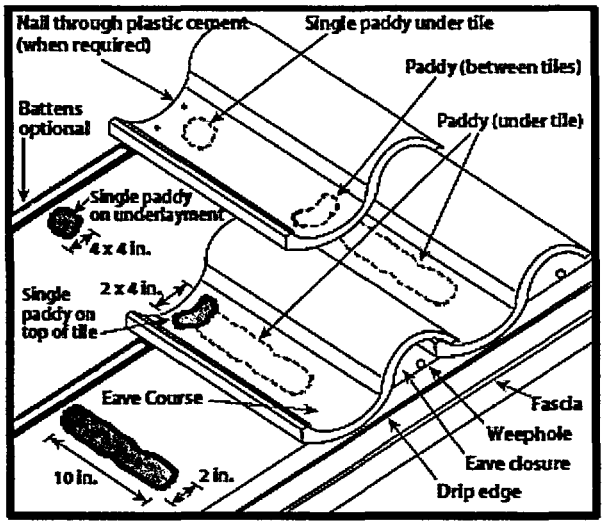
Medium Profile Tile

1. On the eave course only, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown, under the strengthening rib for flat tile or under the pan portion of the tile for low or high profile tile closest to the overlock of the tile being set. Leave approximately 4" (101.6 mm) up from the eave edge free of foam to prevent the expanded adhesive from blocking the weep holes. Insure approximately 17-23 in^2 (109.7-148.4 cm^2) of adhesive contact with the underside of the tile

2. Apply a 4" (101.6 mm) x 4" (101.6 mm) x 1" (25.4 mm) foam paddy onto the underlayment just below the second course line positioned foam paddy under the strengthening rib for flat tile, or under the pan portion of the tile, closest to the underlock for the second course tile to be installed. Insure approximately 8-9 in^2 (51.6-58.1 cm^2) of adhesive contact with the underside of the tile.

(Instructions continued on next page)

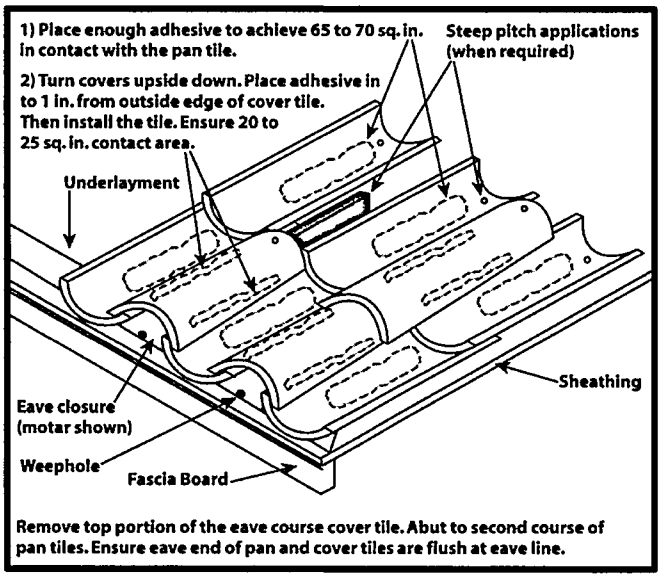
ADHESIVE PLACEMENT DETAIL # 3 (CONTINUED)



High Profile Tile

3. Also apply a 2" (50.8 mm) x 4" (101.6 mm) x ¾" (19 mm) paddy on top of the eave course tile surface as shown, on top of the strengthening rib for flat tile or on top of the pan portion of the tile, closest to the underlock of the first course of tile. Install second course of tile. Insure approximately 9 (58.1 cm^2) - 11 (71cm^2) square inch adhesive contact with the underside of the tile at the overlap and 7 (45.2 cm^2) - 9 (58.1 cm^2) square inch adhesive contact with the underside of the tile at the head of the tile. Continue in same manner.

ADHESIVE PLACEMENT DETAIL
TWO PIECE BARREL



Two Piece Barrel - High Profile Tile

Two Piece Barrel (Cap and Pan) Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under two adjacent pan tiles. Support eave tiles from rocking until adhesive has a chance to cure.

2. Continue in same manner bringing two pan courses up toward the ridge. Insure approximately 65 (419.4 cm^2) – 70 (451.6 cm^2) square inch adhesive contact with the underside of the pan tile.

3. Turn covers upside down exposing the underside of the tile. Apply a minimum 1" (25.4 mm) x 10" (254 mm) bead of adhesive directly on the inner edge of each side of the cover tile. Leave approximately 3/4" (19 mm) to 1" (25.4 mm) from the outside edge of the tile, inward, free of foam to allow for expansion.

4. Turn cover tile over after foam is applied and place onto pan tile course. Insure a minimum of 20 (129 cm^2) - 25 (161.3 cm^2) square inch contact area on each side of the cover tile to the pan tile. Continue in same manner. Trim away any cured exposed foam adhesive. Pointing of longitudinal edges of the cover tiles are considered optional.

5. When additional nailing is required, 2" (50.8 mm) x 4" (101.6 mm) nailers or the tie wire system using galvanized, stainless steel, or copper wire and compatible nails may be used.

END OF THIS ACCEPTANCE

MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Polyglass USA Inc.
1111 W. Newport Center Drive
Deerfield Beach, FL 33442

SCOPE:

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

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.
This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Polyglass Polystick Underlayments

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 and revises NOA No.15-0410.04 and consists of pages 1 through 8.

The submitted documentation was reviewed by ***Freddy Semino.***

ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Underlayment
Material: SBS , APP Self-Adhering Modified Bitumen

PRODUCTS DESCRIPTION:

Product	Dimensions	Test Specification	Product Description
Polystick IR-Xe *Manufacturing Location* #1 & #2	65' x 3'3-3/8" Or 65' x 3' 60 mils thick	ASTM D 1970	A fine granular/sand top surface self-adhering, APP polymer modified, fiberglass reinforced, bituminous sheet material for use as an underlayment in sloped roof assemblies. Designed as an ice & rain shield.
Polystick Dual Pro *Manufacturing Location* #2	61' x 3'3-3/8" 60 mils thick	TAS 103 and ASTM D 1970	A rubberized asphalt self-adhering, glass-fiber/polyester reinforced waterproofing membrane. Designed as a metal roofing and roof tile underlayment.
Polystick Tile Pro *Manufacturing Location* #2	61' x 3'3-3/8" 60 mils thick	TAS 103 and ASTM D 1970	A rubberized asphalt self-adhering, glass-fiber/polyester reinforced waterproofing membrane. Designed as a metal roofing and roof tile underlayment.
Polystick TU Max *Manufacturing Location* #1 & #2	65'8" x 3'3-3/8" 60 mils thick	TAS 103 and ASTM D 1970	A rubberized asphalt self-adhering, polyester reinforced waterproofing membrane. Designed as a roof tile underlayment.
Polystick TU P *Manufacturing Location* #2	32'10" x 3'3-3/8" 130 mils thick	TAS 103 and ASTM D 1970	A rubberized asphalt waterproofing membrane, glass-fiber/polyester reinforced, with a granular surface designed for use as a tile roof underlayment.
Polystick TU Plus (Surface Printing) *Manufacturing Location* #1 & #2	65' x 3'3-3/8" 80 mils thick	TAS 103 and ASTM D 1970	A rubberized asphalt self-adhering, glass-fiber/polyester reinforced waterproofing membrane. Designed as a metal roofing and roof tile underlayment.
Polystick MTS *Manufacturing Location* #2	65'8" x 3'3-3/8" 60 mils thick	TAS 103	A homogeneous, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for metal roofing, roof tile, slate tiles and shingle underlayment.
Polystick MTS Plus *Manufacturing Location* #2	65'8" x 3'3-3/8" 60 mils thick	TAS 103	A homogeneous, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for metal roofing, roof tile, slate tiles and shingle underlayment.
Elastoflex S6 G *Manufacturing Location* #2	32'10" x 3'3-⅜"	TAS 103 and ASTM D 6164	Polyester reinforced, SBS modified bitumen membrane with a sanded back face and a granule top surface. For use in roof tile underlayment systems.

MANUFACTURING PLANTS:

1. Hazelton, PA
2. Winter Haven, FL

EVIDENCE SUBMITTED

Test Agency	Test Identifier	Test Name/Report	Date
Trinity | ERD	P10870.09.08-R1	TAS 103	12/04/08
	P10870.04.09	TAS 103/ASTM D4798 & G155	04/13/09
	P33360.06.10	ASTM D1970	07/01/10
	P33370.03.11	TAS 103	03/02/11
	P33370.04.11	ASTM D 1623	04/26/11
	P36900.09.11	TAS 103/ASTM D4798 & G155	09/01/11
	P37300.10.11	TAS 110/ASTM D4798 & D1970	10/19/11
	P40390.08.12-2	ASTM D 1623	08/07/12
	P37590.07.13-1	ASTM D6164	07/02/13
	P45270.05.14	TAS 103, TAS 110 & ASTM D1623	05/12/14
	P46520.10.14	ASTM D1623	10/03/14
	P44360.10.14	TAS 103 & TAS 110	10/07/14
	P43290.10.14	ASTM D 1970 & TAS 110	10/17/14
	PLYG-SC10130.06.16-3	TAS 103 & TAS 110	06/27/16
	PLYG-10130.06.16-1	ASTM D1970 & TAS 110	06/27/16
PRI Asphalt Technologies	PUSA-035-02-01	TAS 103	09/29/06
	PUSA-055-02-02	TAS 103	12/10/07
	PUSA-089-02-01	TAS 103/ASTM D4798 & G155	07/06/09
Momentum Technologies, Inc.	JX20H7A	TAS 103/ASTM D4798 & G155	04/01/08
	RX14E8A	TAS 103/ASTM D4798 & G155	11/09/09
	DX23D8B	TAS 103/ASTM D4798 & G155	02/18/10
	DX23D8A	TAS 103/ASTM D4798 & G155	02/18/10

LABELING:

1. All membranes or packaging shall bear the imprint or identifiable marking of the manufacturer's name or logo, city and state of manufacturing facility and the following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

MIAMI-DADE COUNTY APPROVED

BUILDING PERMIT REQUIREMENTS:

Application for building permit shall be accompanied by copies of the following:

1. This Notice of Acceptance.
2. Any other documents required by the Building Official or applicable building code in order to properly evaluate the installation of this materials.

INSTALLATION PROCEDURES:

Deck Type 1:	Wood, non-insulated
Deck Description:	Min. 19/32" plywood or wood plank
System Type E(1):	Anchor sheet mechanically fastened to deck, membrane adhered
Anchor/Base Sheet:	One or more plies of ASTM D 226 Type II or ASTM D 2626.
Fastening:	Per FBC 1518.2 & 1518.4 Nails and tin caps 12" grid, 6" o.c. at a minimum 4" head lap. (for base sheet only)
Membrane:	**Polystick IR-Xe, Polystick Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS or Polystick MTS Plus**, self-adhered.
Surfacing:	See General Limitations Below.

Deck Type 1:	Wood, non-insulated
Deck Description:	Min. 19/32" plywood or wood plank
System Type E(2):	Anchor sheet mechanically fastened to deck, membrane adhered
Anchor/Base Sheet:	One or more plies of ASTM D 226 Type II or ASTM D 2626.
Fastening:	Per FBC 1518.2 & 1518.4 Nails and tin caps 12" grid, 6" o.c. at a minimum 4" head lap. (for base sheet only)
Membrane:	**Elastoflex S6 G**, hot asphalt applied
Surfacing:	See General Limitations Below.

Deck Type 1:	Wood, non-insulated
Deck Description:	Min. 19/32" plywood or wood plank
System Type E(3):	Base sheet mechanically fastened to deck, subsequent cap membrane self- adhered.
Anchor/Base Sheet:	One or more plies of ASTM D 226 Type II or ASTM D 2626.
Fastening:	Per FBC 1518.2 & 1518.4 Nails and tin caps 12" grid, 6" o.c. at a minimum 4" head lap. (for base sheet only)
Ply Sheet:	**Polystick MTS Plus**, self-adhered with minimum 3" horizontal laps and minimum 6" vertical laps.
Membrane:	**Polystick TU Plus,** self-adhered.
Surfacing:	See General Limitations Below.

INSTALLATION REQUIREMENTS:

1. All nails in the deck shall be carefully checked for protruding heads. Re-fasten any loose deck panels, and sweep the deck thoroughly to re move any dust and debris prior to application.
2. Place the underlayment over metal drip edge in accordance with RAS 111.
3. Place the first course of membrane parallel to the eave, rolling the membrane to obtain maximum contact. Remove the release film as the membrane is applied. All side laps shall be a minimum of 3" and end laps shall be a minimum of 6". Roll the membrane into place after removing the release strip. Vertical strapping of the roof with Polystick is acceptable. Membrane shall be back nailed in accordance with applicable building code.
4. When applying the membrane in the valley, start at the low point and work to the high point, rolling the membrane from the center outward in both directions.
5. For ridge applications, center the membrane and roll from the center outward in both directions.
6. Roll or broom the entire membrane surface so as to have full contact with the surface, giving special attention to lap areas.
7. Flash vent pipes, stacks, chimneys and penetrations in compliance with Roof Assembly current Product Control Notice of Acceptance.
8. All protrusions or drains shall be initially taped with a 6" piece of underlayment. The flashing tape shall be pressed in place and formed around the protrusion to ensure a tight fit. A second layer of Polystick shall be applied over the underlayment.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance.
2. **Polystick Dual Pro, Polystick Tile Pro, Polystick TU Plus, Polystick MTS and Polystick MTS Plus** may be used in asphaltic shingles, wood shakes and shingles, non-structural metal roofing, roof tile systems and quarry slate roof assemblies.
   Polystick TU P may be used in all the previous assemblies listed except metal roofing.
   Polystick IR-Xe may be used in all the previous assemblies listed except metal roofing and roof tile systems.
   Polystick TU Max may be used in non-structural metal roofing and roof tile systems.
   Elastoflex S6 G may be used in roof tile systems only.
3. Deck requirements shall be in compliance with applicable building code.
4. **Polystick IR-Xe, Polystick Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS** and **Polystick MTS Plus** shall be applied to a smooth, clean and dry surface. The deck shall be free of irregularities.
5. **Polystick IR-Xe, Polystick Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS** and **Polystick MTS Plus** shall not be adhered directly over a pre-existing roof membrane as a recover system.
6. **Polystick IR-Xe, Polystick Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS** and **Polystick MTS Plus** shall not be left exposed as a temporary roof for longer than the amount of days listed in the table below after application. Polyglass reserves the right to revise or alter product exposure times; not to exceed the preceeding maximum time limitations.

Exposure Limitations (Days)									
	MTS	**IR-Xe**	**Elastoflex S6 G**	**TU Plus**	**TU P**	**Tile Pro**	**Dual Pro**	**TU Max**	**MTS Plus**
Winter Haven, FL	180	90	180	180	180	180	180	180	180
Hazelton, PA	N/A	90	N/A	180	N/A	N/A	N/A	180	N/A

7. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and

Rule 61G20-3 of the Florida Administrative Code.

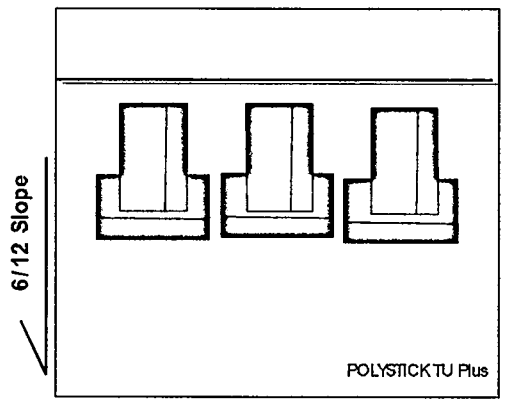
8. In roof tile application, data for the attachment resistance of roof tiles shall be as set forth in the roof tile manufacturer's Notice of Acceptance.
Polystick Tile Pro, Polystick TU Max, Polystick TU Plus or Elastoflex S6 G may be used in both adhesive set and mechanically fastened roof tile applications.
Polystick Dual Pro is limited to mechanically fastened roof tile applications.
Polystick MTS and **Polystick MTS Plus** are limited to mechanically fastened with the limitations outlined in Section 9.
Polystick TU P may be used in mechanically fastened roof tile applications with the exception of mortar set tile applications.

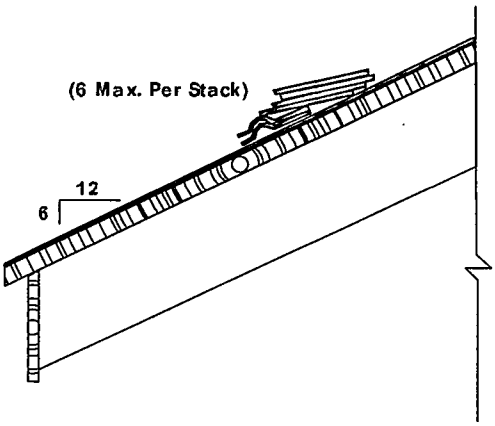
9. When loading roof tiles on roof tile underlayment for (direct-to-deck) tile assemblies, the maximum roof slope shall be as follows: (See Table Below)

Tile Profile	Polystick MTS	Elastoflex S6 G	Polystick TU Plus, TU P, Tile Pro, Dual Pro	Polystick TU Max	Polystick MTS Plus	System (E3) MTS Plus with TU Plus
Flat Tile	Prohibited without battens	4:12	6:12	6:12	5:12	6:12
Profiled Tile	Prohibited without battens	4:12	6:12	6:12	4:12	6:12

The above slope limitations can be exceeded only by using battens in accordance with the Approved Tile System Notice of Acceptance and applicable Florida Building Code requirements. When battens are required, they shall be utilized during loading and installation of tiles.

10. Care should be taken during the loading procedure to keep foot traffic to a minimum and to avoid dropping of tile directly on the underlayment. Refer to Polyglass' Tile loading detail below for loading procedure – two tiles laid perpendicular to slope followed by a maximum four tile stack parallel to the slope, for a total of 6 tiles – for all underlayments except **Polystick MTS** which shall be loaded onto battens.





11. Refer to prepared roofing system Product Control Notice of Acceptance for listed approval of this product with specific prepared roofing products. **Polystick IR-Xe, Polystick Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS, Polystick MTS Plus or Elastoflex S6 G** may be used with any approved roof covering Notice of Acceptance listing **Polystick IR-Xe, Polystick Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS, Polystick MTS Plus or Elastoflex S6 G** as a component part of an assembly in the Notice of Acceptance.
If **Polystick IR-Xe, Polystick Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS, Polystick MTS Plus or Elastoflex S6 G** are not listed, a request may be made to the Authority Having Jurisdiction (AHJ) or the Miami-Dade County Product Control Section for approval provided that appropriate documentation is provided to detail compatibility of the products, wind uplift resistance, and fire testing results.

POLYGLASS GENERAL APPLICATION GUIDELINES FOR POLYSTICK MEMBRANES

PLEASE CHECK WITH LOCAL BUILDING CODES REGARDING LIMITATIONS OF SPECIFIC APPLICATIONS. LOCAL CODES MAY SUPERSEDE POLYGLASS REQUIREMENTS AND RECOMMENDATIONS.

1. Polyglass does accept the direct application of Polystick underlayment membranes to wood decks. Installers are cautioned to refer to applicable local building codes prior to direct deck installation to ensure this is acceptable. Please also refer to applicable Product Data Sheets of the corresponding products.
2. All rolls, with the exception of Polystick TU Plus should be back-nailed in selvage edge seam as per Polyglass Back Nailing Guide. Nails shall be, 11 gauge ring shank type, applied with a minimum 1 ⅝" metal disks as required in Miami-Dade County or simplex type nail as otherwise allowable in other regions, at a minimum rate of 12" o.c. Polystick TU Plus should be back nailed in designated area marked "nail area, area para clavar" on the face of membrane, with the above stated nails and/or disks. The head lap membrane is to cover the area being back-nailed. (Please refer to applicable local building codes prior to installation.)
3. All seal lap seams (selvage laps) must be rolled with a hand roller to ensure full contact.
4. All fabric over fabric; and granule over granule end laps, shall have a 6" wide, uniform layer of Polyglass Polyplus 55 Premium Modified Flashing Cement, Polyglass Polyplus 50 Premium MB Flashing Cement, XtraFlex 50 Premium Modified Wet/Dry Cement, Polyglass PG500 MB Flashing Cement, applied in between the application of the lap. The use of mastic between the laps does not apply to Polystick MTS.
5. A maximum of 6 tiles per stack are allowed when loading tile on the underlayments. Refer to the Polyglass Tile Loading Guidelines. See General Limitations #9 and #10.
6. Battens and/or Counter-battens, as required by the tile manufacturers NOA, must be used on all projects for pitch/slopes of 7"/12" or greater. It is suggested that on pitch/slopes in excess of 6 ¼"/12", precautions should be taken, such as the use of battens to prevent tile sliding during the loading process.
7. Minimum cure time after membrane installation & before loading of roofing tiles is Forty-Eight (48) Hours.
8. Polystick membranes may not be used in any exposed application such as crickets, exposed valleys, or exposed roof to wall details.
9. Repair of Polystick membranes is to be accomplished by applying Polyglass Polyplus 55 Premium Modified Flashing Cement, Polyglass Polyplus 50 Premium MB Flashing Cement, XtraFlex 50 Premium Modified Wet/Dry Cement, Polyglass PG500 MB Flashing Cement to the area in need of repair, followed by a patch of the Polystick material of like kind should be set and hand rolled in place over the area needing such repair. Patching membrane shall be a minimum of 6 inches in either direction. The repair should be installed in such a way so that water will run parallel to or over the top of all laps of the patch.

10. All self-adhered membranes must be rolled to ensure full contact with approved substrates. Polyglass requires a minimum of 40 lbs for a weighted roller for the rolling of the field membrane. Hand rollers are acceptable for rolling of patches or small areas of the roof. Brooming may be used where slope prohibits rolling.
11. All approved substrates should be dry, clean and properly prepared, before any application of Polystick membranes commences. An approved substrate technical bulletin can be furnished upon request. It is recommended to refer to applicable building codes prior to installation to verify acceptable substrates.
12. The Polyglass Miami-Dade Notice of Acceptance (NOA) approval for Polystick membranes can be furnished upon request by our Technical Services Department by calling 1 (800) 894-4563.
13. Questions in regards to the application of Polyglass products should be directed to our Technical Services Department at 1 (800) 894-4563.
14. Polyglass recommends that applicators follow good roofing practices and applicable procedures as outlined by the National Roofing Contractors Association (NRCA).

PLEASE CHECK WITH LOCAL BUILDING CODES REGARDING LIMITATIONS OF SPECIFIC APPLICATIONS. LOCAL CODES MAY SUPERSEDE POLYGLASS REQUIREMENTS AND RECOMMENDATIONS.

END OF THIS ACCEPTANCE

Print Form

MIAMIBEACH

City of Miami Beach HVHZ Electronic Roof Permit Form
Section C Page (Low Slope Roof Systems)

Fill in the specific roof assembly components. If a component is not required, insert not applicable (n/a) in the text box.

ROOF SYSTEM MANUFACTURER: GAF

Product Approval (NOA): 18-0919.12 System Type:

Wind Uplift Pressures, From RAS 128 or Sealed Calculations:

(P1) Field: -42.8 psf

(P2) Perimeters: -71.7 psf

(P3) Corners: -108.0 psf

Maximum Design Pressure From NOA: -52.5 psf

Roof Slope: 1/2 " : 12 Roof Mean Height: 10 ft.

Parapet Walls: ☒ No ☐ Yes Parapet wall Height: ft.

Deck Type: --5/8" Plywood--

Support Spacing: N/A " o/c

Alternate Deck Type: N/A

Existing Roof:
N/A

Fire Barrier:
N/A

Vapor Barrier:
N/A

Anchor Sheet:
N/A

Anchor Sheet Fastener / Bonding Material:
N/A

Insulation Base Layer Size & Thickness:
N/A

Insulation Base Layer Fastener / Bonding Material:
N/A

Insulation Top Layer Size & Thickness:
N/A

Insulation Top Layer Fastener / Bonding Material:
N/A

Base Sheet(s) & No. of Ply(s):
2-#75 Is felt tin-capped

Base Sheet Fastener / Bonding Material:
1 1/4 rs nail

Ply Sheet(s) & No. of Ply(s):
N/A

Ply Sheet Fastener / Bonding Material:
N/A

Top Ply:
SBS Ruberoid Heat Weld FR

Top Ply Fastening / Bonding Material:
Torched

Surfacing: White Granule

SINGLE PLY MEMBRANE:

Single Ply Manufacturer / Type:
N/A

Single Ply Sheet Width: N/A " 1/2 Sheet Width: N/A "

No. of Single Ply 1/2 sheets: N/A

Single Ply Membrane Fastening / Bonding Material:
N/A

☐ **FASTENER SPACING FOR BASESHEET ATTACHMENT**
☐ **SINGLE PLY MEMBRANE ATTACHMENT**

1. Field: 9 " o/c @ Laps & 4 rows 9 " o/c

2. Perimeter: 6 " o/c @ Laps & 4 rows 6 " o/c

3. Corner: 6 " o/c @ Laps & 4 rows 6 " o/c

NUMBER OF FASTENERS PER INSULATION BOARD:

1. Field: N/A 2. Perimeter: N/A 3. Corner: N/A

Insulation Fastener Type :
N/A

WOOD NAILER TYPE AND SIZE:
N/A

Wood Nailer Fastener Type and Spacing:
N/A

EDGE & COPING METAL SIZES:

Edge Metal Material: --Galvanized Metal--

Edge Size: --3" face 26 ga.--

Hook Strip Size: --METAL EDGE HOOK STRIP N/A--

Edge Metal Attachment:
N/A

Coping Material: --PARAPET COPING METAL N/A--

Coping Size: --COPING METAL SIZE N/A--

Hook Strip Size: --COPING METAL HOOK STRIP N/A--

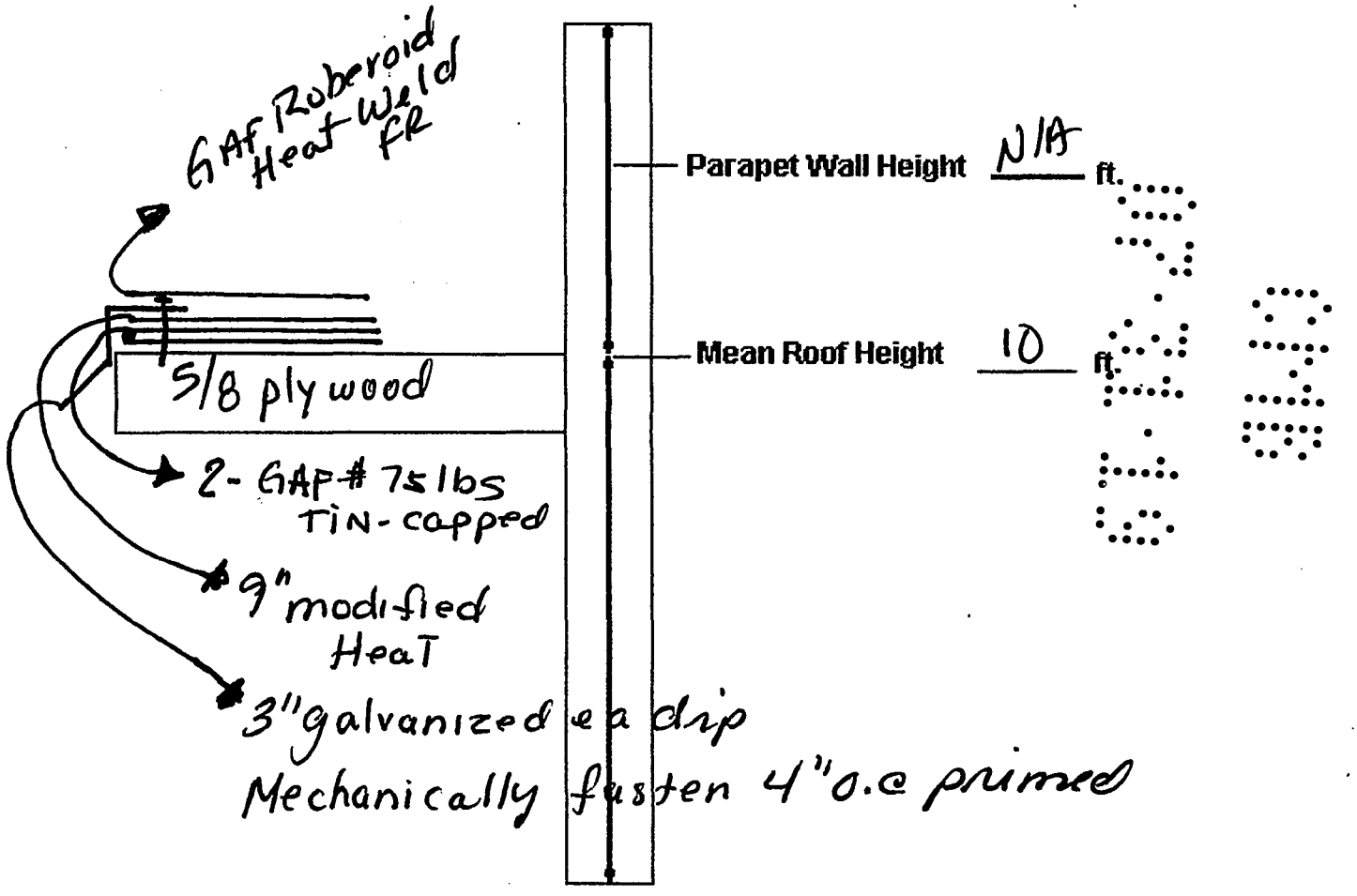
Parapet Coping Metal Attachment:
N/A

Section
C2

Print Form

MIAMIBEACH **City of Miami Beach HVHZ Electronic Roof Permit Form**

Illustrate Components Noted and Details as Applicable:
Woodblocking, Gutter, Edge Terminations/Stripping/Flashing, Continuous Cleat, Cant Strip, Base Flashing, Counterflashing, Coping, Etc.
Indicate: Mean Roof Height, Parapet Height, Height of Base Flashing, Component Material, Material Thickness, Fastener Type, Fastener Spacing
Or: Submit Manufacturers Details that Comply with RAS-111 and Chapter 15 HVHZ, FBC.



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

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

GAF
1 Campus Drive
Parsippany, NJ 07054

SCOPE:

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

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

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

DESCRIPTION: GAF Ruberoid® Modified Bitumen Roof System for 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 and revises NOA No. 15-1020.01 and consists of pages 1 through 67.
The submitted documentation was reviewed by Jorge L. Acebo.

MIAMI-DADE COUNTY APPROVED

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Modified Bitumen
Material:	APP/SBS
Deck Type:	Wood
Maximum Design Pressure:	-105 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
GAFGLAS® Ply 4	39.37" (1 meter) Wide	ASTM D2178	Smooth surfaced asphaltic ply sheet reinforced with fiberglass mat.
Tri-Ply® Ply 4 Ply Sheet	39.37" (1 meter) Wide	ASTM D2178	Smooth surfaced asphaltic ply sheet reinforced with fiberglass mat.
GAFGLAS® FlexPly™ 6	39.37" (1 meter) Wide	ASTM D2178	Smooth surfaced asphaltic ply sheet reinforced with fiberglass mat.
GAFGLAS® #75 Base Sheet	39.37" (1 meter) Wide	ASTM D4601	Smooth asphaltic base or base/ply sheet reinforced with fiberglass mat.
Tri-Ply® #75 Base Sheet	39.37" (1 meter) Wide	ASTM D4601	Smooth asphaltic base or base/ply sheet reinforced with fiberglass mat.
GAFGLAS® #80 Ultima™ Base Sheet	39.37" (1 meter) Wide	ASTM D4601	Smooth asphaltic base or base/ply sheet reinforced with fiberglass mat.
GAFGLAS® Stratavent® Perforated Venting Base Sheet	39.37" (1 meter) Wide	ASTM D4897	Smooth surfaced asphaltic perforated venting base sheet reinforced with fiberglass mat.
GAFGLAS® Stratavent® Nailable Venting Base Sheet	39.37" (1 meter) Wide	ASTM D4897	Smooth surfaced asphaltic nailable venting base sheet reinforced with fiberglass mat. Bottom side surfaced with granules.
Ruberoid® HW 25 Smooth	39.37" (1 meter) Wide	ASTM D6163	Smooth surfaced torch applied SBS base or ply sheet reinforced with a fiberglass mat.
Ruberoid® HW Smooth	39.37" (1 meter) Wide	ASTM D6164	Smooth surfaced torch applied SBS base or ply sheet reinforced with a polyester mat.
Ruberoid® HW Granule	39.37" (1 meter) Wide	ASTM D6164	Granule surfaced torch applied SBS cap sheet reinforced with a polyester mat.
Ruberoid® HW Granule FR	39.37" (1 meter) Wide	ASTM D6164	Fire retardant granule surfaced heat-welded SBS cap sheet reinforced with a polyester mat.
Ruberoid® HW Plus Granule	39.37" (1 meter) Wide	ASTM D6164	Granule surfaced torch applied SBS cap sheet reinforced with a polyester mat.
Ruberoid® HW Plus Granule FR	39.37" (1 meter) Wide	ASTM D6164	Fire retardant granule surfaced torch applied SBS cap sheet reinforced with a polyester mat.

Product	Dimensions	Test Specification	Product Description
Ruberoid® EnergyCap™ HW Plus Granule FR	1 meter (39.37") Wide	ASTM D6164	Fire retardant granule surfaced heat-welded SBS cap sheet reinforced with a polyester mat. Cap sheet is factory coated with TOPCOAT® EnergyCote™ Elastomeric Coating.
Ruberoid® Torch Smooth	39.37" (1 meter) Wide	ASTM D6222	Smooth surfaced torch applied APP base or ply sheet reinforced with a polyester mat.
Tri-Ply® APP Smooth Membrane	39.37" (1 meter) Wide	ASTM D6222	Smooth surfaced torch applied APP cap, base or ply sheet reinforced with a polyester mat.
Ruberoid® Torch Granule	39.37" (1 meter) Wide	ASTM D6222	Granule surfaced torch applied APP cap sheet reinforced with a polyester mat.
Tri-Ply® APP Granule Cap Sheet	39.37" (1 meter) Wide	ASTM D6222	Granule surfaced torch applied APP cap sheet reinforced with a polyester mat.
Ruberoid® Torch Plus Granule FR	39.37" (1 meter) Wide	ASTM D6222	Fire retardant granule surfaced torch applied APP cap sheet reinforced with a polyester mat.
Ruberoid® EnergyCap™ Torch Plus Granule FR	39.37" (1 meter) Wide	ASTM D6222	Fire retardant granule surfaced torch applied APP cap sheet reinforced with a polyester mat. Cap sheet is factory coated with TOPCOAT® EnergyCote™ Elastomeric Coating.
Ruberoid® EnergyCap™ Torch Granule FR	39.37" (1 meter) Wide	ASTM D6222	Fire retardant granule surfaced torch applied APP cap sheet reinforced with a polyester mat. Cap sheet is factory coated with TOPCOAT® EnergyCote™ Elastomeric Coating.
Ruberoid® 20 Smooth	39.37" (1 meter) Wide	ASTM D6163	SBS polymer-modified asphalt base or ply sheet reinforced with a fiberglass mat.
Ruberoid® 30 Granule	39.37" (1 meter) Wide	ASTM D6163	Granule surfaced mop applied SBS cap sheet reinforced with a fiberglass mat.
Ruberoid® 30 Granule FR	39.37" (1 meter) Wide	ASTM D6163	Fire retardant granule surfaced mop applied SBS cap sheet reinforced with fiberglass mat.
Ruberoid® 30 Plus Granule FR	39.37" (1 meter) Wide	ASTM D6163	Fire retardant granule surfaced mop applied SBS cap sheet reinforced with fiberglass mat.
Ruberoid® Mop Granule	39.37" (1 meter) Wide	ASTM D6164	Granule surfaced mop applied SBS cap sheet reinforced with a polyester mat.
Tri-Ply® SBS Granule Cap Sheet	39.37" (1 meter) Wide	ASTM D6164	Granule surfaced mop applied SBS cap sheet reinforced with a polyester mat.
Intec Flex PRF	39.37" (1 meter) Wide	ASTM D6164	Granule surfaced mop applied SBS cap sheet reinforced with a polyester mat.
Ruberoid® Mop Smooth	39.37" (1 meter) Wide	ASTM D6164	Smooth surfaced mop applied SBS base sheet reinforced with a polyester mat.

Product	Dimensions	Test Specification	Product Description
Ruberoid® Mop Smooth 1.5	39.37" (1 meter) Wide	ASTM D6164	Smooth surfaced mop applied SBS base sheet reinforced with a polyester mat.
Ruberoid® Mop Plus Smooth	39.37" (1 meter) Wide	ASTM D6164	Smooth surfaced mop applied SBS base or ply sheet reinforced with a polyester mat.
Ruberoid® Mop Plus Granule	39.37" (1 meter) Wide	ASTM D6164	Granule surfaced mop applied SBS cap sheet reinforced with a polyester mat.
Ruberoid® Mop Plus Granule FR	39.37" (1 meter) Wide	ASTM D6164	Fire retardant granule surfaced mop applied SBS cap sheet reinforced with a polyester mat.
Ruberoid® EnergyCap™ Mop Plus Granule FR	39.37" (1 meter) Wide	ASTM D6164	Fire retardant granule surfaced mop applied SBS cap sheet reinforced with a polyester mat. Cap sheet is factory coated with TOPCOAT® EnergyCote™ Elastomeric Coating.
Ruberoid® Mop Granule FR	39.37" (1 meter) Wide	ASTM D6164	Fire retardant granule surfaced mop applied SBS cap sheet reinforced with a polyester mat.
Ruberoid® EnergyCap™ 30 Granule FR	39.37" (1 meter) Wide	ASTM D6163	Fire retardant granule surfaced mop applied SBS cap sheet reinforced with a fiberglass mat. Cap sheet is factory coated with TOPCOAT® EnergyCote™ Elastomeric Coating.
GAFGLAS® Mineral-Surfaced Cap Sheet	39.37" (1 meter) Wide	ASTM D3909	Granule surfaced asphaltic cap sheet reinforced with fiberglass mat.
Tri-Ply® BUR Granule Cap Sheet	39.37" (1 meter) wide	ASTM D3909	Granule surfaced asphaltic cap sheet reinforced with a fiberglass mat.
GAFGLAS® EnergyCap™ Mineral-Surfaced Cap Sheet	39.37" (1 meter) Wide	ASTM D3909	Granule surfaced asphaltic cap sheet reinforced with fiberglass mat. Cap sheet is factory coated with TOPCOAT® EnergyCote™ Elastomeric Coating.
TOPCOAT® Membrane	1, 5 or 55 gallons	ASTM D6083	Water based elastomeric coating.
United Coatings™ Roof Mate TCM Coating	1, 5 or 55 Gallons	ASTM D6083	Water-based elastomeric coating
TOPCOAT® Surface Seal SB	5 or 55 gallons	ASTM D6083	Solvent based thermoplastic rubber sealant designed to protect and restore aged roof surfaces and to increase roof reflectivity.
United Coatings™ Surface Seal SB Roof Coating	5 or 55 Gallons	ASTM D6083	Solvent-based thermoplastic rubber sealant designed to protect and restore aged roof surfaces and to increase roof reflectivity.
TOPCOAT® MB Plus	5 or 55 gallons	Proprietary	Water based, low VOC primer used to block asphalt bleed-through.
United Coatings™ Roof Mate MB Plus Coating	5 or 55 Gallons	Proprietary	Water based, low VOC primer designed to block asphalt bleed-through.

Product	Dimensions	Test Specification	Product Description
FireOut™ Fire Barrier Coating	5 or 55 gallons	Proprietary	Low VOC, water-based fire barrier coating.
Flex Seal™	1, 5 gallons or 1 qt. tube	TAS 139	Solvent-based elastomeric sealant.
VersaShield® Fire-Resistant Roof Deck Protection	12" x 100' rolls	ASTM D226	Non-asphaltic fiberglass-based underlayment and /or fire barrier.
VersaShield® Solo™ Fire-Resistant Slip Sheet	42" roll wide, 100 ft.	ASTM D146, D828, D4869, D6757	Non-asphaltic, fire resistant fiberglass underlayment
Matrix™ 102 SBS Membrane Adhesive	3, 5 or 55 gallons	ASTM D3019	Fiber reinforced rubberized cold-applied adhesive for modified bitumen roof systems.

APPROVED INSULATIONS:

Table 2

Product Name	Product Description	Manufacturer (With Current NOA)
EnergyGuard™ Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ Tapered Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RA Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RH Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RH Tapered Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RN Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ Perlite Recover Board	Perlite recover board	GAF
EnergyGuard™ Perlite Roof Insulation	Perlite insulation board	GAF
EnergyGuard™ RA Composite Polyiso Insulation	Polyisocyanurate foam insulation with high density fiberboard or permalite	GAF
Structodek® High Density Fiberboard Roof Insulation	High density fiberboard	Blue Ridge Fiberboard, Inc.
SECUROCK® Gypsum-Fiber Roof Board	Gypsum board	United States Gypsum Corp.
SECUROCK® Glass-Mat Roof Board	Gypsum board	United States Gypsum Corp.
DensDeck® Roof Board	Gypsum board	Georgia-Pacific
DensDeck® Prime Roof Board	Gypsum board	Georgia-Pacific

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	Drill-Tec™ #12 Fastener	Phillips head, modified buttress thread, pinch point, carbon steel fastener for use in steel or wood decks. With CR-10 coating. Available with a pinch point or drill point.	#12 x 8" Max. Length #3 Phillips head.	GAF
2.	Drill-Tec™ #14 Fastener	Truss head, self-drilling, pinch point, high thread fastener for use in steel, wood or concrete decks.	#14 x 16" Max. Length #3 Phillips head.	GAF
3.	Drill-Tec™ XHD Fastener	Truss head, self-drilling, pinch point, high thread fastener for use in wood or steel decks. Carbon steel extra heavy duty fastener used in steel decks.	#15 x 16" Max. Length #3 Phillips head.	GAF
4.	Drill-Tec™ 3" Steel Plate	Round Galvalume® steel stress plate with reinforcing ribs and recessed for use with Drill-Tec™ fasteners.	3" Round	GAF
5.	Drill-Tec™ 3" Standard Steel Plate	Galvalume® coated steel stress plate for use with approved Drill-Tec™ fasteners.	3" Round	GAF
6.	Drill-Tec™ ASAP 3S	Drill-Tec™ #12 fastener with Drill-Tec™ 3" Standard Steel Plate.	#12 x 8" Max. Length #3 Phillips head with 3" Round plate	GAF
7.	Drill-Tec™ AccuTrac® Flat Plate	A2-SS aluminized steel plate for use with Drill-Tec™ fasteners.	3" square; .017" thick	GAF
8.	Drill-Tec™ AccuTrac® Recessed Plate	Galvalume® steel plate with recess for use with Drill-Tec™ fasteners.	3" square; .017" thick.	GAF
9.	Drill-Tec™ 3 in. Ribbed Galvalume Plate (Flat)	Round Galvalume® plated steel stress plate with reinforcing ribs for use with Drill-Tec™ fasteners.	3" Round	GAF

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
FM Approvals	3001276	FMRC 4470	01/28/99
	3010215	FMRC 4470	03/01/01
	3029832	FMRC 4470	05/11/07
	3036980	FMRC 4470	08/14/09
	3034312	FMRC 4470	04/09/09
	3040738	FMRC 4470	05/18/12
	3042887	FMRC 4470	11/14/11
	3046081	FMRC 4470	02/13/13
	3043633	FMRC 4470	01/20/12
	1B9A8.AM	FMRC 4470	09/04/97
	3B9Q1.AM	FMRC 4470	01/08/08
	3D4Q2.AM	FMRC 4470	04/30/97
	0D1A8.AM	FMRC 4470	04/01/98
	797-03221-267	FMRC 4470	09/24/07
	797-10228-267	FMRC 4470	01/15/15
	797-04694-267	FMRC 4470	06/17/09
	797-03825-267	FMRC 4470	07/14/08
	RR203450	FMRC 4470	12/04/15
	FM Letter	FMRC 4470	04/11/13
	FM Letter	FMRC 4470	09/15/15
UL LLC	R1306	UL 790	08/21/18
IRT-ARCON Inc.	02-005	TAS 114-J	07/19/04
	02-014	TAS 114-J	04/08/02
Trinity | ERD	C8500SC.11.07	ASTM D6862	11/30/07
	G30250.02.10-2	ASTM D6222	11/1/10
	G30250.02.10-3-R2	ASTM D3909	06/03/15
	G31360.03.10	ASTM D6164	03/3/10
	G32520.06.11	ASTM D1876	06/28/11
	G33470.01.11	ASTM D6164	01/13/11
	G34140.04.11-2	ASTM D6163	04/25/11
	G34140.04.11-4-R2	ASTM D4601	6/4/2015
	G34140.04.11-5-R3	ASTM D4897	6/4/2015
	G36780.07.11-R1	TAS 114-J	07/18/11
	G40620.07.12-2	ASTM D6222	07/17/12
	G40630.01.14-1	ASTM D6163	01/06/14
	G40630.01.14-2A	ASTM D5147	01/07/14
	G40630.01.14-2A-1-R1	ASTM D6164	04/10/14
	G40630.01.14-2B-R1	ASTM D6164	01/16/15
	G40630.01.14-2C	ASTM D6164	01/07/14
	G40630.03.14	ASTM D5147	03/06/14
	G43190.03.14-1	ASTM D5147	03/06/14
	G43190.03.14-2	ASTM D5147	03/06/14
	G43190.05.14-R1	ASTM D5147	05/20/14
	G43610.01.14	ASTM D5147	01/22/14

EVIDENCE SUBMITTED: (CONTINUED)

Test Agency	Test Identifier	Description	Date
Trinity | ERD	G43190.11.13-1	ASTM D6222	11/15/13
	G46160.02.15	ASTM D6163	02/12/15
	G46160.02.15-2D-1	ASTM D6163	02/09/16
	G46160.03.15	ASTM D6163	03/11/15
	G46160.09.14-2A	ASTM D5147	09/09/14
	G46160.09.14-3A	ASTM D6164	09/09/14
	G46160.09.14-3B	ASTM D6164	09/09/14
	G46160.09.14-3C	ASTM D5147	09/09/14
	G46160.12.14-3E	ASTM D6164	12/29/14
	G6850.08.08	ASTM D6163	08/01/08
	G6850.08.08-R1	ASTM D6164	04/14/11
	G6850.10.08	ASTM D6222	10/06/08
	G6850.11.08	ASTM D6222	02/17/09
	SC6870.08.14-R1	ASTM D3909	09/04/14
PRI Construction Materials Technologies, LLC	GAF-122-02-01	TAS 139	05/07/06
	GAF-245-02-01	ASTM D6083	06/10/10
	GAF-276-02-01Rev	ASTM E2178 ASTM D6083	01/04/11
	GAF-306-02-01	ASTM E96	07/07/11
	GAF-314-02-01	ASTM D2178	08/23/11
	GAF-315-02-01	ASTM D2178	08/23/11
	GAF-369-02-01	ASTM C1289	10/22/12
	GAF-434-02-03	TAS 114-J	09/06/13
	GAF-434-02-04	TAS 114-J	09/06/13
	GAF-464-02-01	ASTM C1289	02/06/14
	GAF-498-02-01	ASTM D6083	09/15/16
	GAF-499-02-01	ASTM D6083	03/12/14
	GAF-500-02-01	ASTM D6083	03/12/14
	GAF-559-02-01	TAS 117(B)	09/30/14
	GAF-559-02-04	ASTM D1876	10/01/14
	GAF-559-02-05	ASTM D1876	10/15/14
	GAF-559-02-06	TAS 114(H)	10/02/14
	GAF-559-02-07	ASTM D903	10/02/14
	GAF-559-02-08	ASTM D903	10/02/14
	GAF-559-02-09	ASTM D903	10/02/14
	GAF-559-02-11	TAS 114-J	10/14/14
	GAF-559-02-12	TAS 114-J	10/14/14
	GAF-559-02-13	TAS 114-J	10/15/14
	GAF-559-02-14	TAS 114-J	10/15/14
	GAF-559-02-15	TAS 114-J	10/15/14
	GAF-559-02-16	TAS 114-J	10/15/14
	GAF-559-02-18	TAS 114-J	10/15/14
	GAF-559-02-19	TAS 114-J	04/16/15
Dynatech Engineering Corporation	#4482.02.95-1	TAS 114-C	09/01/95

Membrane Type:	APP/SBS Heat Weld
Deck Type 1:	Wood, Non-insulated
Deck Description:	Min. 19/32" or greater plywood or wood plank secured 6 in. o.c. with 8d ring shank nails to supports spaced 24 in. o.c. max.
System Type E(2):	Anchor sheet is mechanically attached to roof deck. (Non-insulated systems)

All General and System Limitations shall apply.

Fire Barrier: (optional)	FireOut™ Fire Barrier Coating, VersaShield® Fire-Resistant Roof Deck Protection, VersaShield® Solo™ Fire-Resistant Slip Sheet, DensDeck® Roof Board, SECUROCK® Gypsum-Fiber Roof Board or SECUROCK® Glass-Mat Roof Board.
Base sheet:	GAFGLAS® #80 Ultima™ Base Sheet, GAFGLAS® Stratavent® Nailable Venting Base Sheet, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth, Ruberoid® 20 Smooth, Ruberoid® HW Smooth or Ruberoid® HW 25 Smooth mechanically fastened to deck as described below;
Fastening Option #1:	GAFGLAS® Ply 4, Tri-Ply® Ply 4 Ply Sheet, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet or any of above base sheets attached to deck with approved annular ring shank nails and tin caps at a fastener spacing of 9" o.c. at the lap staggered and in two rows 18" o.c. in the field. Not for use with DensDeck or SECUROCK Fire Barrier ***(Maximum Design Pressure –45 psf. See General Limitation #9)***
Fastening Option #2:	GAFGLAS® Ply 4, Tri-Ply® Ply 4 Ply Sheet, GAFGLAS FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet or any of above base sheets attached to deck with Drill-Tec™ #12 Fastener or Drill-Tec™ #14 Fastener and Drill-Tec™ 3" Steel Plate, Drill-Tec™ AccuTrac® Flat Plate or Drill-Tec™ AccuTrac® Recessed Plate installed 12" o.c. in 3 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 12.5" o.c. in the field of the sheet. ***(Maximum Design Pressure –45 psf. See General Limitation #9)***
Fastening Option #3:	GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet or any of above base sheets attached to deck with approved annular ring shank nails and tin caps at a fastener spacing of 9" o.c. at the 4" lap staggered and in two rows 9" o.c. in the field. Not for use with DensDeck or SECUROCK Fire Barrier ***(Maximum Design Pressure –52.5 psf. See General Limitation #7)***
Fastening Option #4:	GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet or any of above base sheets attached to deck with Drill-Tec™ #12 Fastener or Drill-Tec™ #14 Fastener and Drill-Tec™ 3" Steel Plate, Drill-Tec™ AccuTrac® Flat Plate or Drill-Tec™ AccuTrac® Recessed Plate installed 12" o.c. in 4 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 9" o.c. in the field of the sheet. ***(Maximum Design Pressure –45 psf. See General Limitation #9)***

Fastening Option #5:	GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® 20 Smooth, Ruberoid® Mop Smooth base sheet attached to deck approved annular ring shank nails and 3" inverted Drill-Tec™ 3" Steel Plate at a fastener spacing of 9" o.c. at the 4" lap staggered in two rows 9" in the field. Not for use with DensDeck or SECUROCK Fire Barrier ***(Maximum Design Pressure –60 psf. See General Limitation #7)***
Fastening Option #6:	GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet or any of above base sheets attached to deck with Drill-Tec™ #12 Fastener, Drill-Tec™ #14 Fastener or Drill-Tec™ XHD Fastener and Drill-Tec™ 3" Steel Plate, Drill-Tec™ AccuTrac® Flat Plate or Drill-Tec™ AccuTrac® Recessed Plate installed 8" o.c. in 4 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 9" o.c. in the field of the sheet. ***(Maximum Design Pressure –45 psf. See General Limitation #9)***
Ply Sheet:	(Optional except over Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth, Ruberoid® 20 Smooth, Ruberoid® HW Smooth or Ruberoid® HW 25 Smooth) One or more plies GAFGLAS® Ply 4, Tri-Ply® Ply 4, or GAFGLAS® FlexPly™ 6 sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. or Ruberoid® Torch Smooth torch applied according to manufacturer's application instructions.
Membrane:	One ply of Ruberoid® Torch Smooth, Tri-Ply® APP Smooth Membrane, Ruberoid® Torch Granule, Tri-Ply® APP Granule Cap Sheet, , Ruberoid® EnergyCap™ Torch Granule FR, Ruberoid® EnergyCap™ Torch Plus Granule FR, or Ruberoid® Torch Plus Granule FR torch applied according to manufacturer's application instructions. Or One or more plies of Ruberoid® HW Plus Granule, Ruberoid® HW Plus Granule FR, Ruberoid® HW Granule FR, Ruberoid® EnergyCap™ HW Plus Granule FR, Ruberoid® HW Granule, Ruberoid® HW Smooth and Ruberoid® HW 25 Smooth applied according to manufacturer's application instructions.
Surfacing:	**Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.**
1.	Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of Approved asphalt at 60 lbs./sq.
2.	GAFGLAS® Mineral-Surfaced Cap Sheet, Tri-Ply® BUR Granule Cap Sheet or GAFGLAS® EnergyCap™ Mineral-Surfaced Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
3.	TOPCOAT® Surface Seal SB or United Coatings™ Surface Seal SB Roof Coating applied in one or more coats at a minimum rate of 1.0 gal./sq. per coat. OR TOPCOAT® MB Plus or United Coatings™ Roof Mate MB Plus Coating applied at a minimum rate of 1.0 gal./sq.(to be used as a primer) followed by TOPCOAT® Membrane or United Coatings™ Roof Mate TCM Coating applied in one or more coats at a minimum rate of 1.0 gal./sq. per coat.
4.	Fiber Aluminum Roof Coating.
Maximum Design Pressure:	**See Fastening Options**

WOOD DECK SYSTEM LIMITATIONS:

1 A slip sheet is required with GAFGLAS® Ply 4 and GAFGLAS® FlexPly™ 6 when used as a mechanically fastened base or anchor sheet.
2. Minimum ¼" DensDeck® Roof Board or ½" Type X gypsum board is acceptable to be installed directly over the wood deck.

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') 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.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE

Base Sheet: — One ply Type G2 "GAFGLAS® #75 Base Sheet" or "Tri-Ply® #75 Base Sheet" or "GAFGLAS® Flex Ply 6" or "GAFGLAS #80 Ultima™ Base Sheet" or "GAFGLAS® Stratavent® Nailable Venting Base Sheet", fully adhered with hot roofing asphalt.
Ply Sheet: — Two or more plies Type G1 "GAFGLAS® Ply 4" or "Tri-Ply® Ply 4" or "GAFGLAS® Flex Ply 6" or "Tri-Ply® Ultra-Flexible 6", fully adhered with hot roofing asphalt.
Membrane: — "RUBEROID® Mop Granule" or "Intec Flex PRF" or "Tri-Ply® SBS Granule" or "RUBEROID® 30 Granule" or "RUBEROID 30 Granule FR" or "RUBEROID® Mop Smooth" or "RUBEROID® Mop Smooth 1.5" or "RUBEROID® Mop Plus Smooth" or "RUBEROID® Mop Granule FR" fully adhered with hot roofing asphalt or "RUBEROID® HW Granule FR" or "RUBEROID® HW Plus Granule" or "RUBEROID® HW Plus Granule FR" or "RUBEROID® HW Granule" or "RUBEROID® HW Smooth", torch applied.
Coating: — "United Coatings™ TOPCOAT® EnergyCoté™ Roof Coating" applied at a rate of 1/2-gal. to 1-gal./100-ft.^{2}.

63. **Deck:** NC **Incline:** 1-1/2

Insulation (Optional): — Polyisocyanurate or wood fiber or perlite or glass fiber, any thickness, mechanically fastened or fully adhere with hot roofing asphalt.
Cover Board: — 1/2-in. thick "EnergyGuard™ HD" or 1/2-in. thick "EnergyGuard™ HD Plus" or "EnergyGuard™ NH HD" or "EnergyGuard™ NH HD Plus" or 1/2-in. thick "EnergyGuard™ RH HD" or 1/2-in. thick wood fiber-board, mechanically fastened.
Slip Sheet (Optional): — One ply "StormSafe™", mechanically fastened.
Base Sheet: — One ply "RUBEROID® SBS Self-Adhering Base/Ply Sheet" or "Liberty™ SA Base/Ply Sheet", self-adhered.
Membrane: — "RUBEROID® Torch Plus Granule FR" or "RUBEROID® HW Plus Granule FR" or "RUBEROID® HW Granule FR" or "RUBEROID® EnergyCap™ HW Plus Granule FR" or "RUBEROID® HW Plus Granule" or "RUBEROID® EnergyCap™ Torch Plus Granule FR", torch applied.

64. **Deck:** C-15/32 **Incline:** 1/2

Base Sheet: — Two plies Type G2 "GAFGLAS® #75 Base Sheet" or Tri-Ply® #75 Base Sheet" or "GAFGLAS® #80 Ultima™ Base Sheet" or "GAFGLAS® Stratavent® Nailable Venting Base Sheet" or "RUBEROID® 20 Smooth" or "RUBEROID® Mop Smooth" or "RUBEROID® Mop Smooth 1.5" or "RUBEROID® Mop Plus Granule Smooth", mechanically fastened.
Ply Sheet (Optional): — One or more plies Type G1 "GAFGLAS® Ply 4" or "Tri-Ply® Ply 4" or "GAFGLAS® Flex Ply 6" or "Tri-Ply® Ultra-Flexible Ply 6" or Type G2 "GAFGLAS® #75 Base Sheet" or "Tri-Ply® #75 Base Sheet" or "GAFGLAS® #80 Ultima™ Base Sheet" or "GAFGLAS® Stratavent® Perforated Venting Base Sheet", fully adhered with hot roofing asphalt or "RUBEROID® HW Smooth", torch applied.
Membrane: — "RUBEROID® HW Granule FR" or "RUBEROID® HW Plus Granule FR" or "RUBEROID® EnergyCap™ HW Plus Granule FR" or "RUBEROID® HW Plus Granule", torch applied.

65. **Deck:** NC **Incline:** 1/4

Barrier Board (Optional): — One or more layers minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck® Prime Roofboard" or "DensDeck® DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX).
Insulation (Optional): — Polyisocyanurate or wood fiber or glass fiber or perlite, mechanically fastened, any combination, any thickness.
Base Sheet: — One ply "RUBEROID® SA Base/Ply Sheet", self-adhered.
Membrane: — "RUBEROID® SA Cap FR", self-adhered.

66. **Deleted.**

67. **Deck:** C-15/32 **Incline:** 1/2

Barrier Board (Optional): — One or more layers minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck® Prime Roofboard" or "DensDeck® DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX).
Insulation (Optional): — Any thickness perlite or wood fiber or glass fiber or polyisocyanurate, mechanically fastened or adhered with OMG Inc. "OlyBond Fastening System" or any UL Classified insulation adhesive.
Barrier Board: — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck® Prime Roofboard" or "DensDeck® DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX), mechanically fastened or adhered with OMG Inc. "OlyBond Fastening System" or any UL Classified Insulation adhesive, with butt joints in the barrier board products staggered a minimum of 6-in. from plywood deck joints.
Base Sheet: — One or more plies Type G1 "GAFGLAS® Ply 4" or "Tri-Ply® Ply 4" or "GAFGLAS® Flex Ply 6" or "Tri-Ply® Ultra-Flexible Ply 6" or Type G2 "GAFGLAS® #75 Base Sheet" or "Tri-Ply® #75 Base Sheet" or "GAFGLAS® #80 Ultima™ Base Sheet" or "GAFGLAS® Stratavent® Nailable Venting Base Sheet" or "GAFGLAS® Stratavent® Perforated Venting Base Sheet", mechanically fastened or fully adhered with hot roofing asphalt.
Ply Sheet: — One or more plies "RUBEROID® 20 Smooth" or "RUBEROID® Mop Smooth" or "RUBEROID® Mop Smooth 1.5" or "RUBEROID® Mop Plus Smooth", mechanically fastened or fully adhered with hot roofing asphalt.
Membrane: — "RUBEROID® 30 Granule" fully adhered with hot roofing asphalt.
Coating (Optional): — "United Coatings™ TOPCOAT® EnergyCote™ Roof Coating" or "TOPCOAT® MB Plus", applied at a rate of 2-gal./100-ft.^{2}.

68. **Deck:** NC **Incline:** 1/2

Primer (Optional): — "TOPCOAT® Surface Seal SB Coating" or "United Coatings™ TOPCOAT® Surface Seal SB Roof Coating", applied at a rate of 1-gal./100-ft.^{2}.
Insulation (Optional): — Perlite or fiber glass or polyisocyanurate or urethane or perlite/polyisocyanurate composite.

RFR19W905

317 N Coconut

Ln

Outsource to the Secure Source

LASON

PERMIT #

B0303409

CITY OF MIAMI BEACH
BUILDING DEPARTMENT
1700 CONVENTION CENTER DRIVE
2ND FLOOR - CITY HALL
MIAMI BEACH, FL 33139

NOTICE TO THE CITY OF MIAMI BEACH BUILDING DEPARTMENT OF EMPLOYMENT AS SPECIAL INSPECTOR UNDER THE FLORIDA BUILDING CODE

I, (we) have been retained by: Pennoni to perform special inspector services under the Florida Building Code at the Proposed Pool project on the below listed structures as of 6/10/03 (date). I am a Professional Engineer or Architect licensed in the State of Florida.

Process Number: **Master Permit (IF APPLICABLE):**

- [X] Special Inspector for Pilings, FBC 1822.1.20
- [ ] Special Inspector for Soil Compaction, FBC 1820.3.1
- [ ] Special Inspector for Precast Attachments, FBC 1927.12.2 (By P.E. or R.A.)
- [ ] Special Inspector for Reinforced Masonry, FBC 2122.4
- [ ] Special Inspection for Steel Bolted & Welded Connections, FBC 2218.2 (By P.E. or R.A.)
- [ ] Special Inspector for Trusses over 35 feet long or 6 feet high, FBC 2319.17.2.4.2 (By P.E. or R. A.)
- [ ] Special Inspector for

NOTE: Only the marked boxes apply.

The following individual's employed by this firm or me are authorized representatives to perform inspections*

1. Paul Penna
2. Dominick Colletti
3. Edward Bradley
4. George Clayton

***NOTE: FBC 2001 HVZ sections 1927.12.2, 2218.2, 2319.17.4.2 requires either a Registered professional Engineer or Registered Architect to perform the actual inspections.**

I, (we) will notify the City of Miami Beach Building Department of any changes regarding authorized personnel performing inspection services.

I, (we) understand that a Special Inspection Log for each building must be displayed in a convenient location on the site for reference by the City of Miami Beach Building Department Inspector. All mandatory inspections, as required of the Florida Building Code, Inspection performed by the Special Inspector must be the Owner are in addition to the mandatory inspections performed by the Building Department. Further more, upon completion of the work under each building permit, I will submit to the Building Inspector at the time of final inspection the completed Inspection Log forms and sealed statement that, to the best of my knowledge, belief and professional judgment, those portions outlined above meet the intent of the Florida Building Code and are in subsequent accordance with the approved plans.

Sealed and Seated

License Number: 39371

Date: 6/10/03

Architect/Engineer Signature:
Architect/Engineer Name Printed: PAUL PENNA, PE
Address: 5450 GRIFFIN RD DAVIE, FL
Phone Number: (954) 584-6115
Owner/Agent Signature:
Owner/Agent Name Printed:
Building Department Accepted By: Rota 6/13/03

SCREDTLER® No. 937 811E Engineer's Computation Pad

RESIDENTIAL POOL FOR PENNA RESIDENCE
317 NO. COCONUT LANE
MIAMI BEACH, FLA.

CRITICAL PANEL = 66 SQ FT.

W = 5'x62.4 + 0.83'x150 = 440 #/ft

PANEL LOAD = 440 x 66 = 29040 #

COMPUTING WALL LOAD -

6' x 0.5' x 150 x 8.5 = 3200 #

TOTAL ALLE LOAD = 32240 #

PUNCHING SHEAR -

D = 10" + (6"+6") = 12" d = 12" - 3" = 9" c = (12+9)π = 72"

Vu 32240/9x72 = 49.8 psi < 2√f'c ok

SHEAR @ EDGE PANEL

Vu = 32240/7 x 144 = 82 psi ok!

PANEL MOMENT -

H = 0.09 x 29040 x 1.15 x 8.75 = 26300 '-#

-H = 0.5 x 26300 = 13150 '-#

+H = 0.2 x 26300 = 5260 '-#

DISREGARD MINOR MOMENTS OF +15% & -15% AND APPLY MAJOR MOMENTS THRU OUT SLAB

SCREDTLER® No. 937 811E Engineer's Computation Pad

RESIDENTIAL POOL FOR PENNA RESIDENCE
MIAMI BEACH, FLA.

2

- A_s = 13150 x 12/20000 x .874 x 7 = 1.29 #

+ A_s = 5260 x 12/20000 x .874 x 7 = 0.52 #

1.29/0.3 = 4.3 0.52/0.2 = 2.6

STRIP WIDTH -

8.75/2 = 4.375' = 52"

52/4.3" = 12 ⟶ #5 @ AT 12" c/c TOP

52/2.6" = 20 ⟶ #4 @ AT 20" c/c BOTTOM

UPLIFT -

W = 5x62.4 - 0.83x150 = 190 #/FT

H = 190 x 11.25²/8 = 3000 '-#

A_s = 3000 x 12/20000 x .874 x 7 = 0.29 #

#5 @ AT 12" c/c PROVIDED = 0.3 # ok!

USE TOP MAT OF #5 @ AT 12" c/c

BOTTOM MAT OF #4 @ AT 12" c/c (ENGINEER'S MINIMUM)

RENOVATIONS FOR
PRIVATE RESIDENCE
MIAMI BEACH, FLA

3

Pool Wall -

Backfill Hoisted -

$0.5784 \times 5^3 \times 100 = 7170''-\#$

Water Hoisted

$2 \times 62.4 \times 5^3 = 15600''-\#$

$P = 0.2867 \times 1 \times 100^2 = 29 psf$

$P_s = 0.2867 \times 6 \times 100 = 172 psf$

$H = ((6-1)/2)(172+29) = 503\#$

$X = (((6-1)(172+2(29)))/3(172+29) = 1.91'$

$M = 503 \times 1.91 \times 12 = 11530''-\#$

$15600 - 7170 = 8430''-\# < 11530''-\#$

Pool Empty Governs

Live Load $= 11530 - 7170 = 4360''-\#$

$M_u = 4360 \times 1.7 + 7170 \times 1.4 = 17450''-\#$

$A_s = 17450/0.9 \times 60 \times 3 = 0.11\#$

USE # 24 @ 9" c/c EACH WAY

6/19/03

CITY OF MIAMI BEACH – BUILDING DEPARTMENT – APPENDIX 3

AFFIDAVIT OF CONSTRUCTION

DATE: _____

City of Miami Beach
Building Department
1850 Michigan Avenue
Suite #701
Miami Beach, FL 33139

Owner: LUCIA A PENEDO

Address of Project: 317 NORTH COCONUT LANE

Permit #

Contractor's Name: KESSLER POOLS INC

Dear Building Official: Lucia Penedo

I _____ hereby certify that to the best of my knowledge, belief and professional judgment, the structural and envelope components of the structure are in compliance with the approved plans and other approved documents. I also attest that to the best of my knowledge, belief and professional judgment the approved permit plans represent the as-built condition of the structure and that those inspections which are required to be performed by the Building Official for the work involved here been performed in accordance with Section 305.2(d) of this code.

This document is being prepared in accordance with Section 307.2 of the South Florida Building Code and is being submitted to the City of Miami Beach Building Department at the time of the final inspection for the above referenced structure.

Should you here any questions or need additional information, please do not hesitate to contact me.

Sincerely:

Signature of Qualifier

STATE OF FLORIDA COUNTY OF DADE

Sworn to and subscribed before me this 12 day of May 20 04 by: _____

[ ] Personally Known to me: [ ] or Produced Identification

Type of Identification: _____

[ ] DID TAKE OATH [ ] DID NOT TAKE OATH

KENNETH SHERMAN
NOTARY PUBLIC, State of Florida
My Comm. Expires May 24, 2007
Comm. No. DD 152405

REV 1/97

WINGERTER LABORATORIES INC.

Engineering Testing and Inspection Service
Established 1949

REPORT OF SUBSURFACE SOIL EXPLORATION & GEOTECHNICAL ENGINEERING EVALUATION OF SUBSURFACE CONDITIONS

ADDITION TO RESIDENCE

PALM ISLAND, MIAMI BEACH, FLORIDA

FEBRUARY 2003

Prepared for:

MRS. LUCIA PENROD

MIAMI BEACH, FLORIDA

WINGERTER LABORATORIES, INC.
1820 NE 144th Street
North Miami, Florida 33181

WINGERTER LABORATORIES INC.
Engineering Testing and Inspection Service
Established 1949

February 12, 2003

Mrs. Lucia Penrod
317 North Coconut Lane
Miami Beach, Florida 33139

RE: Report of Subsurface Soil Exploration and Geotechnical Engineering
Evaluation of Subsurface Conditions
Addition to Residence
317 North Coconut Lane, Miami Beach, Florida.
WLI Order No.03-1093

Dear Mrs. Penrod:

We are pleased to present this report of our subsurface soil exploration and geotechnical engineering evaluation for the subject site. These services were performed in general accordance with the scope of services outlined in our proposal dated November 20, 2002. This report presents our evaluation and specific recommendations for the proposed construction together with the field data.

We appreciate this opportunity to be of service to you during this phase of the project. If you have any questions or comments regarding the information contained in this report, please call us at (305) 944-3401.

Respectfully submitted,
WINGERTER LABORATORIES, INC.

Rafael M. Pina, P.E.
Florida Registration No. 50771

Enc: Report

Cc: H.R. Design Architecture & Interiors

Time Charges: Lump Sum.

The original of this report was signed and sealed by the above referenced Florida Registered Professional Engineer in accordance with Rule 61G15-18.011 of the Florida Administrative Code.

1820 N.E. 144th St. • P.O. Box 611450 • North Miami, FL 33261-1450 • (305) 944-3401 • 1-800-348-SOIL • Fax: (305) 940-9695
Broward: (954) 764-0472 • Dispatch Fax: (305) 943-1528
STEEL • CEMENT • CONCRETE • PAVEMENT INSPECTIONS • TEST BORINGS • SPECIFICATIONS • CONSULTATIONS
Florida Certificate # F-614

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INTRODUCTION

Wingerter Laboratories, Inc. (WLI) is pleased to present this report of our subsurface soil exploration and geotechnical engineering evaluation for the subject site. The purpose of this investigation was to obtain specific subsurface data in order to provide an engineering evaluation of the subsurface conditions including recommendations for foundation design for support of the proposed additions to the residence located at 317 North Coconut Lane, in Palm Island, in the City of Miami Beach, Florida.

Our subsurface exploration consisted of a total of one (1) Standard Penetration Test Boring and performed throughout the subject site as shown on Appendix B of this report.

The following presents a discussion of the subsurface conditions encountered, detailed geotechnical engineering recommendations, and our Report of Test Boring Number B-1.

TESTING PROGRAM

Our subsurface investigation consisted of one (1) Standard Penetration Test Borings, conforming to the requirements of ASTM D 1586, performed at the site on February 10, 2003. Please see Appendix A for our Report of Test Boring Number B-1 and B-2 for detailed description of the materials encountered and the depth intervals at which they were encountered. The test boring locations are shown in Appendix B of this report.

The number, location and depth of the test borings were determined by **WLI**, taking into consideration the requirements of the project, site accessibility and the subsurface conditions revealed. The discussions, opinions and recommendations contained in this report are based upon the conditions revealed in the referenced test boring.

Test borings were staked in the field by **WLI**, using approximate methods. Borings were located by taped distances from existing recognizable landmarks. Boring locations are, therefore, generally as shown, but no degree of accuracy is stated or implied.

Elevations were not established for the test boring locations. Depths reported on the logs represent depths below ground surface as they existed on the date drilled. The client is cautioned that if subsequent filling or excavation of the site occurs, the reported depth must be so adjusted. **WLI** can not assume responsibility for the accuracy of reported depths if the site is disturbed subsequent to the date drilled. Soil samples will be retained by **WLI** for a period of thirty (30) days only unless specifically requested otherwise by the client.

Field work was performed using standard drilling equipment. Soil samples (disturbed) were obtained in accordance with ASTM D-1586 utilizing a 2-foot long, 2-inch diameter split spoon sampler which is advanced by successive blows of a 140 pound hammer free-falling 30 inches. The number of blows for each 6 inches of penetration is recorded. The sum of the second and third blow counts for each 2-foot sampling interval constitutes the Standard Penetration Resistance in blows per foot, which is referred to as the "N" Value. The following tables may be used in interpreting the consistency of the materials based on the "N" Value:

SOIL CONSISTENCY vs. "N VALUE"

Cohesionless Soils		Cohesive Soils		Rock and Gravels	
"N Value" (blows/ft)	Consistency Designation	"N Value" (blows/ft)	Consistency Designation	"N Value" (blows/ft)	Consistency Designation
0 to 4	Very Loose	0 to 2	Very Soft	0 to 25	Loose or Soft
5 to 10	Loose	3 to 4	Soft	26 to 50	Medium Dense
11 to 30	Medium Dense	5 to 8	Medium	51 to 90	Dense
31 to 50	Dense	9 to 15	Stiff	-	-
50 or More	Very Dense	16 to 30	Very Stiff	-	-
-	-	31 or More	Hard	-	-

The Standard Penetration Test, "N" value curve shown on the boring logs indicates the general variation of the "N" value throughout the depth of the boring. This curve is plotted in a straight line which connects each "N" value. However, it should not be assumed that the changes in the "N" value are a linear function. The graphical representations shown on the boring logs should not be substituted for the actual material descriptions included in the logs.

SUBSURFACE CONDITIONS

A review of the test boring logs revealed the presence of loose silty sands with traces of shells extending to a depth of 8 feet. Beneath, very soft, plastic clayey silts were encountered extending to a depth of approximately 18, underlain by a medium to very dense sandy limestone rock formation was encountered extending throughout the maximum explored depth of 30 feet.

The ground water level at the time of our investigation was encountered at a depth of 4.5 feet below the existing land surface. Fluctuations in the ground water level should be expected due to seasonal climatic changes, tidal action, rainfall variation, surface runoff, construction activity and other site specific factors.

It should also be noted that while conducting the test boring, we encountered what appears to be a buried concrete slab at approximately 8 inches below the existing ground surface, extending throughout a significant section of the yard. This condition forced us to relocate the test boring several times, until we found a location that would allow us penetrate the lower subsurface soil layers.

GEOTECHNICAL ENGINEERING EVALUATION

Evaluation of the subsurface data obtained from the test boring logs, using accepted geotechnical engineering criteria, indicates that the existing subsurface soil conditions encountered at the site are not generally suitable and, in our professional opinion, can not provide adequate, long term support for the proposed additions if supported using shallow spread foundations directly upon these conditions.

Test borings performed revealed the presence of loose silty sands and very soft plastic silts extending to a depth of approximately 18 feet. These soils are soft and highly compressible, and are expected to consolidate excessively when subjected to the building loads associated with the proposed construction. Consolidation of these soils is expected to result in large excessive, total and differential settlements, which can be detrimental to the proposed additions.

Therefore, it is our recommendation that the proposed additions be supported upon a deep foundation system, such as piles. The use of pile foundations allows for a more direct transmission of the applied loads to the more stable sands and rock formations encountered below the existing compressible soils, thereby reducing the risk of excessive settlements and cracks. Two different pile foundation options are recommended herein.

The first option consists of using fourteen (14) inch diameter, auger cast (cast in place) pile foundations to provide support for the proposed additions. These piles when installed extended into the limestone rock formation at a depth of 25 feet below the existing land surface, are expected to develop a maximum allowable compressive capacity of 35 tons, a maximum allowable uplift capacity of 15 tons, and a maximum allowable lateral capacity of 3 tons. This option is only suitable if pile drilling equipment mounted on a barge is used, since the site of the proposed addition is not readily accessible to large construction equipment.

The second option coanist of using small diameter, grouted steel pipe piles (known locally as Pin Piles). Pin Piles are installed using small pneumatic or hydraulic hammers, which makes them very convenient when working in sites with limited access to large construction equipment. Three (3) inch inside diameter (I.D.) Pin Piles are recommended herein. These pin piles when driven extending into the existing limestone rock formation, at a depth range of 19 to 21 feet, are expected to develop a maximum axial allowable compressive capacity of 8 tons.

ENGINEERING RECOMMENDATIONS

1. Site Preparation

1.1. Site area shall be cleared and grubbed to remove and dispose of all vegetation and debris. The existing buried slab shall be removed or cut as required.

2. Option No. 1 - Auger Cast (Cast-In-Place) Pile Foundations

2.1. Recommended size: 14 inches diameter.

2.2. Bearing capacity: 35 tons.

2.3. Tension capacity: Piles may be considered to develop uplift resistance of 15 tons, presuming that the reinforcing design is adequate for the stated uplift.

2.4. Lateral capacity: Piles may be considered to develop a lateral (shear) resistance of 3 tons, presuming that the reinforcing design is adequate for the stated shear.

2.5. Installation depth:

2.5.1. Auger shall be advanced to a depth of 25 referenced to existing site grade, unless refusal occurs. Refusal is defined as one (1) foot or less penetration in two (2) minutes of drilling.

2.6. Physical Criteria:

2.6.1. Augered shaft shall remain plumb within one-eighth of the shaft diameter, that within 1.75 inches for a 14-inch pile.

2.6.2. Augering and pumping equipment, and technique shall be at the contractor's discretion on a performance basis by using acceptable installation procedures to deliver an integral pile.

2.6.3. The volume of grout per linear foot of pile shall exceed the theoretical pile volume with a minimum grout factor of 1.15.

2.6.4. Grout shall be a mixture of Portland cement, fine aggregate, and water with proportions and admixtures at the contractor's discretion on a performance basis. A design mix with confirming strength test results shall be submitted to the project structural engineer for approval prior to installation of the piles. The minimum 28-day compressive strength of the grout shall be no less than 4000 psi.

2.6.5. Grouting shall be performed in a continuous operation. During extraction of the auger, should volume of grout-take markedly increase and/or injection pressure markedly decrease, auger shall be reinserted to a minimum five (5) feet below the point in question, and grouting resumed. The procedure shall be repeated as frequently as necessary to insure vertical continuity of the grout shaft.

2.6.6. Down-shaft reinforcing details shall be at the discretion of the contractor on a performance basis; however, reinforcing details shall be presented to the project structural engineer for approval prior to installation of the piles. It is, however, recommended that a minimum of four (4) #6 bars, grade 60 through the full length of the pile with three (3) centralizers along the full depth of pile to detect any "necking" action be installed.

2.6.7. Piles shall be installed in a sequence so that the grout in adjacent piles has had time to set such that adjacent piles are not disturbed.

2.7. Testing and inspection:

2.7.1. At the recommended capacity, a static load test is not required by Section 1806.4 of the Florida Building Code.

2.7.2. Pile installation shall be witnessed and logged by the geotechnical inspector. Geotechnical inspector shall confirm shaft plumbness, compliance with depth requirements, continuity of grouting, and reinforcing details; inspector's log shall include the preceding and all other pertinent data including pile identification.

2.7.3. Grout shall be sampled and test cylinders or cubes shall be cast for 28-day strength confirmation at the frequency of no less than one sampling per 50 cubic yards placed, but at least one sampling in each sustained grouting operation.

3. Option No. 2 - Grouted Steel Pipe Pile (Pin Piles) Foundations

3.1. Pile diameter: 3 inches (inside diameter).

3.2. Allowable compressive capacity: 8 tons.

3.3. Allowable tension capacity: 1 ton.

3.4. Piles shall be uniformly distributed underneath the area of the proposed columns at locations determined by the structural engineer.

3.5. Piles shall be built up in short, convenient lengths, say 3 to 5 feet.

3.6. Driving equipment materials and execution shall be at the specialty contractor's discretion to achieve the required criteria.

3.7. Pin piles shall be advanced to a depth range of 19 to 21 feet below existing grade, at which depth, they are expected to attain driving refusal. Refusal is defined at ½ inch or less of penetration, during 2 minutes of continuous driving.

3.8. Down-shaft reinforcing and top plate must be provided.

3.9. Piles shall be fully grouted internally.

3.9.1. Grout shall be a mixture of Portland cement, fine aggregate and water with proportions and admixtures at the contractor's discretion on a performance basis. A design mix with confirming strength test results shall be submitted to the project structural engineer for approval prior to installation of the piles. The minimum 28-day compressive strength of the grout shall be no less than 4000 psi.

3.10. Testing and inspection:

3.10.1. Pile installation shall be witnessed and logged by the geotechnical inspector. Geotechnical inspector shall confirm shaft plumbness, compliance with depth and resistance requirements, continuity of grouting and reinforcing details; inspector's log shall include the preceding and all other pertinent data including pile identification.

3.10.1. Grout shall be sampled and test cylinders or cubes shall be cast for 28-day strength confirmation at the frequency of no less than one sampling per 50 cubic yards placed, but at least one sampling in each sustained grouting operation.

4. Geotechnical Inspector

4.1. Experience indicates that the actual subsoil conditions at a site could vary from those generated on the basis of test borings made at specific locations. Therefore, it is essential that a geotechnical engineer be retained to provide soil engineering services during the site preparation, excavation and foundation phases of the proposed project. This is to observe compliance with the design concepts, specifications and recommendations and to allow design changes in the event that subsurface conditions differ from those anticipated prior to the start of construction.

4.2. The geotechnical inspector as referenced hereinbefore shall be a Registered Professional Engineer licensed in the State of Florida and experienced in the practice of geotechnical engineering, or his designated field agent. The results of all inspections by the geotechnical inspector shall be submitted on report or log forms duly signed and sealed in accordance with Rule 61G15-18.011 of the Florida Administrative Code.

4.3. The geotechnical inspector shall be retained by the owner, the project architect, or the project structural engineer.

SPECIAL REMARKS & ANNOTATIONS

In dealing with the unseen subsurface dimension, a prudent test boring program acts to identify the general range of conditions and to reduce, but not eliminate, the risks of unknown conditions. Therefore, **WLI** cannot offer a warrantee, expressed or implied, that materials or conditions other than those revealed in the test borings will not be encountered, nor that the relative proportions and density of the materials will not vary from those reported.

Furthermore, **WLI** assumes no responsibility for the accuracy of the reported depths should any excavation, filling or alteration of the site grade occur, subsequent to the date of the drilling operation, without surveying the existing conditions.

Also, since the criteria furnished to **WLI** constitutes our total knowledge and understanding of the project; inaccuracies, deviations or alterations of the criteria may invalidate these recommendations to the extent they impact the magnitude, distribution, and elevation of applied loads, or impact the nature of the construction.

APPENDIX A

TEST BORING LOGS

TEST BORING LOG

WINGERTER Professional Engineering & Testing

BORING NO.: B-1

CLIENT: *Mrs. Lucia Penrod*
PROJECT: *Addition to Residence*
LOCATION: *As Shown on Boring Location Sketch*
DRILLER: *J. Cooper*
DRILL RIG: *Portable Tripod*
DEPTH TO WATER: *4.5 feet*

ELEVATION: -
DATE STARTED: *2-10-2003*
DATE COMPLETED: *2-10-2003*

DEPTH (feet)	SOIL SYMBOLS, AND BLOWS PER SIX INCHES	SOIL DESCRIPTION	SAMPLE NO.	SAMPLING INTERVAL	STANDARD PENETRATION TEST N	N value CURVE 10 30 50 70 90
0-1		Tan to Brown SILTY SAND (Fill)	1	0.0-2.0	3	
2-3		Dark Tan SILTY SAND with some Shells	2	2.0-4.0	4	
4-5		Gray SILTY SAND with some Shells	3	4.0-6.0	3	
6-7			4	6.0-8.0	4	
8-9		Gray Plastic CLAYEY SILT with trace Shells	5	8.0-10.0	2	
10-11			6	10.0-12.0	2	
12-13			7	12.0-14.0	2	
14-15			8	15.0-17.0	3	
16-17						
18-19		Dark Tan to Light Brown LIMESTONE with trace Silty Sand	9	20.0-22.0	97	
20-21						
22-23			10	23.0-25.0	52	
24-25			11	25.0-27.0	52	
26-27			12	27.0-29.0	37	
28-29						
30-31		Boring Terminated at 30 Feet.				
32-33						

This information pertains only to this boring and should not be interpreted as being indicative of the site.

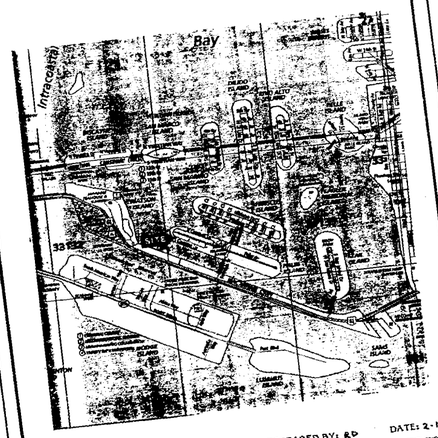
LEGEND

Symbol	Description
Soil symbols	
	Silty sand
	Silty sand with some to trace shell fragments
	Silt with some to trace shell fragments
	Fragmented limestone with some to trace silty sand
Misc. Symbols	
	Water table at boring completion
Soil Samplers	
	Standard penetration test

APPENDIX B

TEST BORING LOCATION MAP & SKETCH

TEST BORING LOCATION MAP


Bay
Intracoastal
33rd St
Island Blvd
Island Blvd
Island Blvd

RESIDENTIAL POOL PLAN

PENROD RESIDENCE

317 NORTH OCEAN LANE
HALLANDALE BEACH, FLORIDA
BROWARD COUNTY

KENNETH R. PFEIFFER, P.E.
STATE OF FLORIDA
919 S.W. 7TH AVENUE
FORT LAUDERDALE, FLORIDA 33316
(954) 761-0884

ESSIG POOLS INC
1600 N.W. 1st STREET
POMPANO BEACH, FLORIDA 33069
(954) 545-6969

LEGAL:
LOT 1 BLOCK 3-A
RIVIERA PALM BLVD
PLAT BOOK 32, PAGE 33
MIAMI-DADE COUNTY, FLORIDA

SHEET 1 of 3

APPROVED FOR PERMIT BY
THE BUILDING
CITY OF HALLANDALE BEACH
DATE 6-10-05

BUILDING:
ZONING:
DRAINAGE:
CONCURRENCY:
ELECTRICAL:
PLUMBING:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

48 HOURS PRIOR TO EXCAVATING CONTRACTOR SHALL CALL FOR LOCATION OF UNDERGROUND UTILITIES
Sunshine One-Call 1-800-432-4770
City of Miami Beach 305-673-7080

As per Florida Building Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE

As per Florida Building Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE

POOL LAYOUT

EXISTING RESIDENCE

BATHROOM ON MEZZANINE LOCATED 18 - 36 FEET NEAR POOL WATER EDGE

POOL DECK ST CHEERS

VALVE

SOLAR HEATER

HANDRAIL

SOLAR RETURN

HANDRAIL

SOLAR HEATER

NEXT

RAILROAD CROSS

PUBLIC WORKS
DADE DIVISION NOTICE
Phone 305-672-7555 Fax 305-672-7555

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OUTWARD BUILDING PERMITS ONLY.

All construction and/or use of referenced in the right-of-way and/or easements, subject to separate Public Works Department permit rules.

SEE REVERSE SIDE

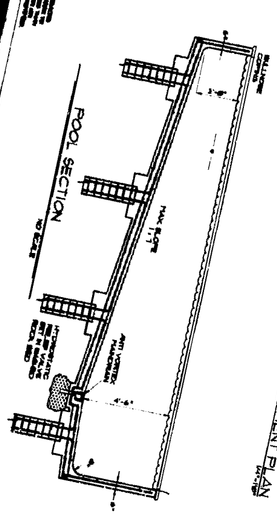
Private Property Owners: Proof of existing sidewalk/swale area maintenance (current and future) is required prior to Public Works inspection of the right-of-way tile for requested final. Sign-off on the C.C. or the release of bonds.

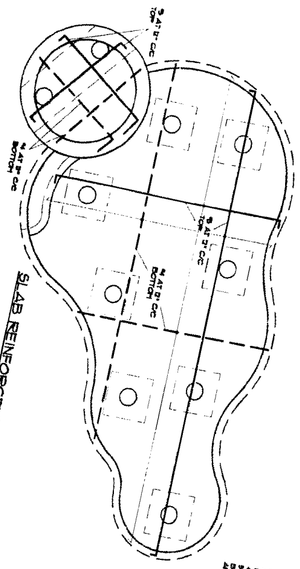
Approved/reviewed by: [signature] Date 6-10-05

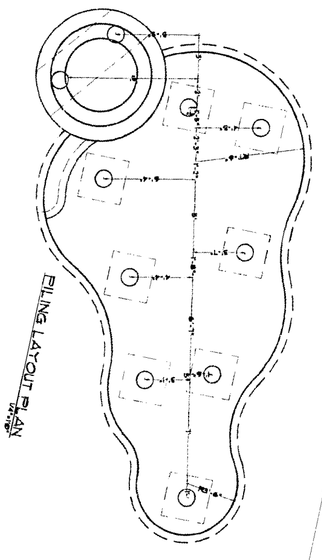
SITE PLAN

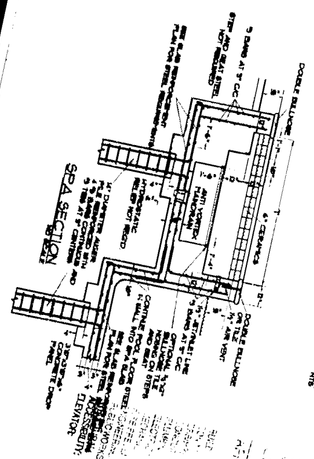
NORTH COCONUT LANE

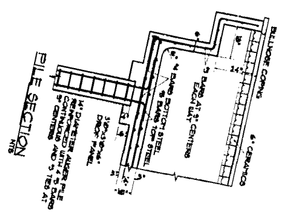
WATER METER
PANEL
3/4" WATER SERVICE
GENERATOR
DRAINAGE WELL
POWER
SCREEN ENCLOSURE
POOL EQUIPMENT
POOL
SPA
40' TALL CHILD FENCE LOCATED A MINIMUM OF 30' FROM POOL'S WATER EDGE

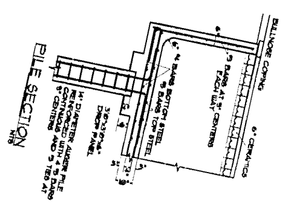












UNOFFICIAL COPY
TYCO PARK MIAMI BEACH
PERMIT BY
CHANGES

As per Florida Building Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE

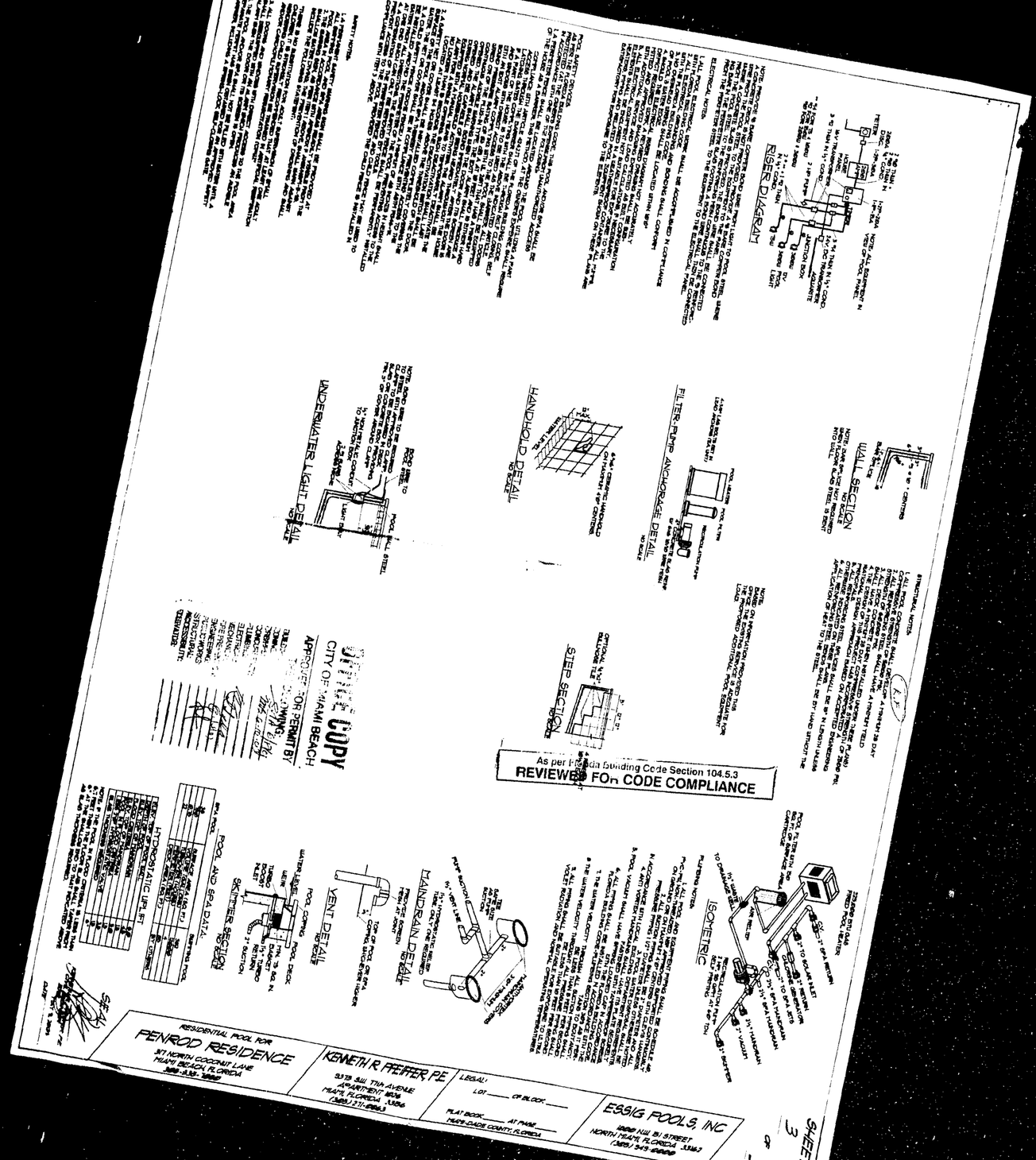
RESIDENTIAL POOL FOR
PENROD RESIDENCE
571 NORTH COCONUT LANE
MIAMI BEACH, FLORIDA
3486-513-7888

KENNETH R. PFEIFFER, P.E.
3378 S.W. 7TH AVENUE
APARTMENT 3606
MIAMI, FLORIDA 33134
(305) 371-8883

LEGAL:
LOT 1 OF BLOCK 1-A
RIVIERA PALM ISLAND
PLAT BOOK 33 AT PAGE 31
MIAMI-DADE COUNTY, FLORIDA

ESSIG POOLS, INC
18660 NW 68 STREET
NORTH MIAMI, FLORIDA 33168
(305) 513-8888

SHEET 2 of 3



RESIDENTIAL POOL FOR
PENROD RESIDENCE
371 NORTH COCONUT LANE
MIAMI BEACH, FLORIDA

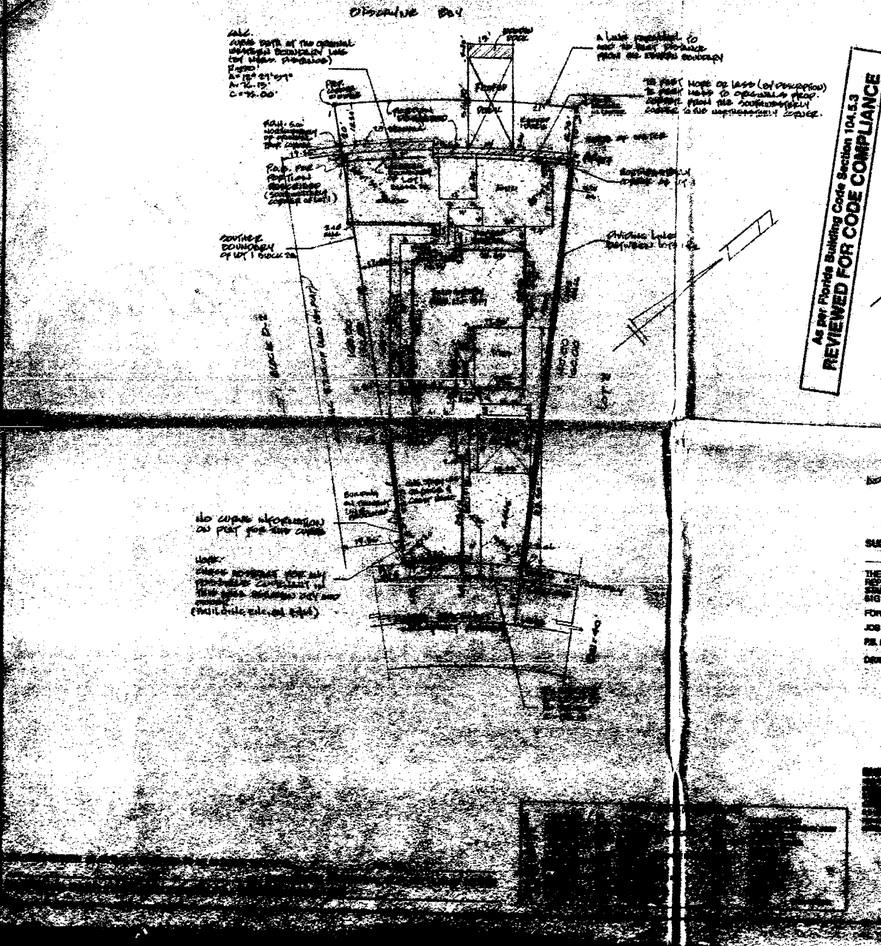
KENNETH R. PFEIFFER, P.E.
9379 SW 77th AVENUE
APARTMENT 1826
MIAMI, FLORIDA 33156
(305) 271-6883

LEGAL:
LOT _____ OF BLOCK _____
PLAT BOOK _____ AT PAGE _____
MIAMI-DADE COUNTY, FLORIDA

ESSIG POOLS, INC
1999 NW 81 STREET
MIAMI, FLORIDA 33147
(305) 349-6606

SHEET 3 of 3

SKETCH OF BOUNDARY SURVEY


Biscayne Bay
Point of Beginning
Concrete Wall
Fence
Asphalt
Concrete
Wood Deck
Pool
Pool Deck
Pool Equipment
Screen Enclosure
Roof Overhang
Gazebo
Shed
Wood Deck
Concrete Deck
Asphalt
Concrete
Fence
Concrete Wall
Concrete Wall
Fence
Concrete

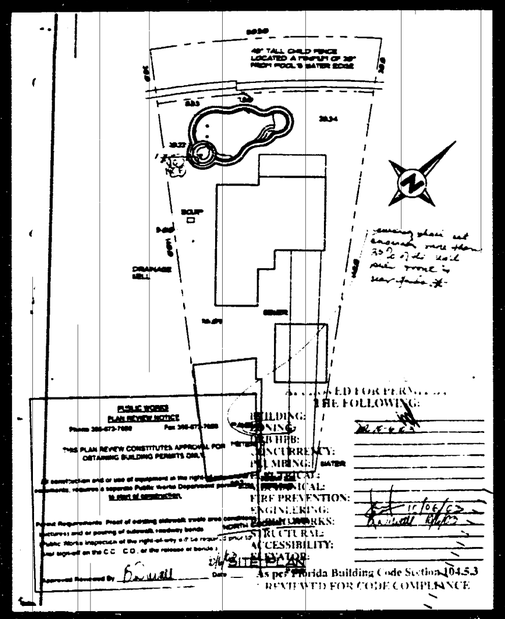
BANK ACCOUNT
317 N CCCOUNT
LA

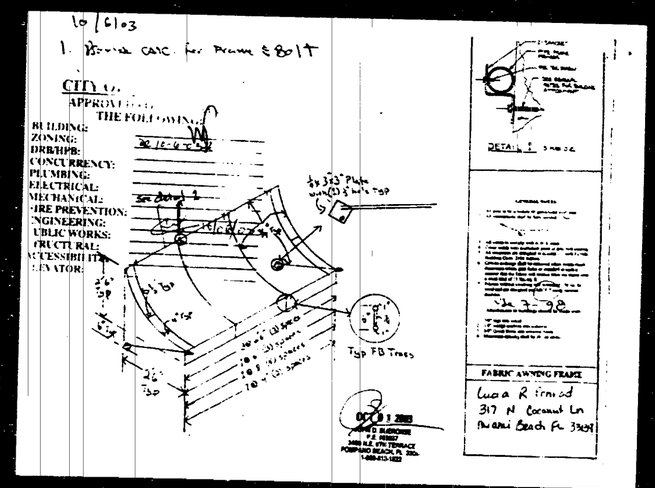
LASON

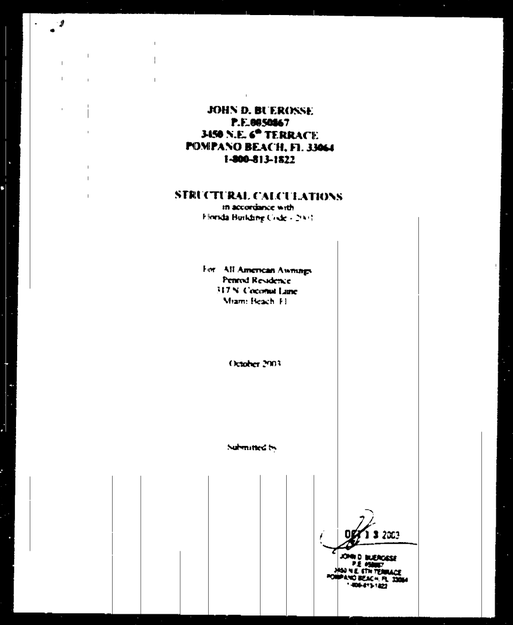
PERMIT #

B04000039

41


40' TALL CHILD FENCE
LOCATED A MINIMUM OF 30'
FROM POOL'S WATER EDGE
SOUTH
DRAINAGE WELL
PUBLIC WORKS
PLAN REVIEW NOTICE
THIS PLAN REVIEW CONSTITUTES APPROVAL FOR
OBTAINING BUILDING PERMITS ONLY.
BUILDING:
ZONING:
DRB/HPB:
CONCURRENCY:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:
SITE PLAN
As per Florida Building Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE


10/6/03
1. Revise calc. for frame 8817
CITY OF
APPROVED
THE FOLLOWING:
BUILDING:
ZONING:
DRB/HPB:
CONCURRENCY:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:
4x 3x3 Plate
Typ FB Trees
DETAIL 1
FABRIC AWNING FRAME
Luca R Fenicia
317 N Coconut Ln
Miami Beach FL 33139
OCT 13 2003
JOHN D. BUEROSSE
P.E. #50867
3450 N.E. 6TH TERRACE
POMPANO BEACH, FL. 330...
1-800-813-1822


JOHN D. BUEROSSE
P.E.#0850867
3450 N.E. 6th TERRACE
POMPANO BEACH, FL. 33064
1-800-813-1822
STRUCTURAL CALCULATIONS
in accordance with
Florida Building Code - 2001
For: All American Awnings
Penrod Residence
317 N. Coconut Lane
Miami Beach FL
October 2003
Submitted by:
OCT 13 2003
JOHN D. BUEROSSE
P.E. #50867
3450 N.E. 6TH TERRACE
POMPANO BEACH, FL. 33064
1-800-813-1822

41

WIND SPECIFICATIONS: AWNINGS - PINNACLE CANVAS
217 N. COCONUT LANE
MIAMI BEACH FL

DESCRIPTION: 30° TILT, 30° PROJECTION CURVED AWNINGS WITH SPEAR BRACES AT LOWER END. WIDTH RANGES FROM 4' (MIN) TO 8' (MAX). ALL WALL MOUNTED ASSYS.

VELOCITY PRESSURE - I.A.W. ASCE 7-98

FOR AWNINGS WITH COVERS IN PLACE:

V = 75 MPH, I = 1.00, h = 20 OR LESS,
FOR EXPOSURE "C", K_z = 0.90 (MAX), K_{zt} = 1.0, K_d = 1.0
$q = .00256\ K_z\ K_{zt}\ K_d\ V^2 I$ = 13.0 #/ft² - USE 15 #/ft²

FOR FRAMES WITH COVERS REMOVED:

V = 150 MPH, I = 1.00, h = 30 OR LESS,
K_z = 0.90, K_{zt} = 1.0, K_d = 1.0
q = 51.8 #/ft²

DESIGN PRESSURE

WORST CASE = 8' (MAX) LENGTH AWNING

FOR WIND 10° UPWARD & COVER IN PLACE:

PROJECTED AREA = 2.5(3.2) SIN 10° = 3.56 ft²
GC_p = +1.0, -1.4 FOR ZONE 3 (WORST CASE)
WIND LOAD = 15.0(3.56)(-1.4) = 75 LBS
UPWARD COMPONENT = 75 SIN 10° = 13 LBS
LATERAL COMPONENT = 75 COS 10° = 74 LBS
MAX FASTENER LOAD: $\frac{74}{4}$ = 18 LBS - OK

SHEET 1 OF 2

WIND SPECIFICATIONS: AWNINGS - PINNACLE CANVAS
217 N. COCONUT LANE
MIAMI BEACH FL

DESIGN PRESSURE - CONTINUED

FOR WIND 0° (FLAT) & COVER REMOVED:

PROJECTED AREA = 2.22 ft²
GC_p = -1.0, -1.4 FOR ZONE 3 (WORST CASE)
WIND LOAD = 51.8 (3.56)(-1.4) = 162 LBS
INWARD COMPONENT = 162 SIN 10° = 28 LBS
LATERAL COMPONENT = 162 COS 10° = 160 LBS
MAX FASTENER LOAD: $\frac{160}{4}$ = 40 LBS - OK

SHEET 2 OF 2

B0400039

317 N COCONUT LN

41

PERMIT #

B04027 54.

19

COCONUT GROVE GLASS ENGINEERING DEPT.
4246 N.W. 37 AVE. MIAMI, FL 33142 (305)634-3420
Copyright 2000 by Tondelli Engineering, P.A. Tampa, Florida

CUSTOMER : MR. AND MRS. PEDROD
JOB NUMBER : 317 N. COCONUT LANE MIAMI BEACH, FL. DATE : 4/15/2004
DESCRIPTION : IMPACT WINDOW REPLACEMENTS

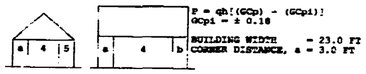
*** DESIGN WIND LOADS - ASCE 7-98 ***
*** COMPONENTS AND CLADDING ***

WIND VELOCITY = 146 MPH
EXPOSURE CATEGORY = C
BUILDING CATEGORY = 2
IMPORTANCE FACTOR = 1.00
Kzt = 1.00

ROOF SLOPE = 0.00 : 12 (.00 DEG)
TRIBUTARY AREA = 13.0 FT2
MEAN ROOF HEIGHT = 22.0 FT Kh = 0.92 qh = 50.2 PSF
DISTANCE, Z = 18.0 FT Kz = 0.882 qz = 48.1 PSF

WIND LOADS		
	WALL AREA	
	4	5
GCp (+)	0.882	0.882
GCp (-)	-0.972	-1.224
PRESSURE (psf)	53.3 X-.88= -46.8!	53.3 X-.88= +46.9!
SUCTION (psf)	-57.8 X-.88= -49.15	-70.5 X-.88= -59.78

FOR WINDOW MARK (6)



P = qh[(GCp) - (GCpi)]
GCpi = ± 0.18

BUILDING WIDTH = 23.0 FT
CORNER DISTANCE, a = 3.0 FT

Edward Tondelli 4-15-04

MIAMI-DADE

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1561
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375 2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 375-4279

PRODUCT CONTROL NOTICE OF ACCEPTANCE

PGT Industries
1070 Technology Drive
Nokomis ,FL 34275

Your application for Notice of Acceptance (NOA) of:
Series FW-701 Aluminum Fixed Window - Non-Impact & Impact Resistant
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

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

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

ACCEPTANCE NO.: 01-0102.01
EXPIRES: 09/13/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS

BUILDING CODE & PRODUCT REVIEW COMMITTEE

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

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 09/13/2001

PGT Industries

ACCEPTANCE No.: 01-0102.01
APPROVED: SEP 13 2001
EXPIRES: SEP 13 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. **SCOPE**
1.1 This approves an aluminum fixed window, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. **PRODUCT DESCRIPTION**
2.1 The **Series FW-701 Aluminum Fixed Window – Non-Impact and Large Missile Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No 4231, Sheets 1 through 8 of 8, titled "FW-701 Aluminum Fixed Window," dated 8/13/01, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

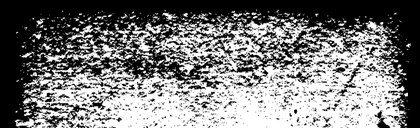
3. **LIMITATIONS**
3.1 This approval applies to single unit applications only, as shown in approved drawings.
3.2 Non-Impact Resistant windows, for Design Pressure Rating vs. Window Size, see Comparative Analysis Tables in Sheet 3 of 8 of approved drawings.
3.3 Impact Resistant windows, see Design Pressure Rating in Sheet 1 of 8 of approved drawings.

4. **INSTALLATION**
4.1 The aluminum fixed window and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.

5. **LABELING**
5.1 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".

6. **BUILDING PERMIT REQUIREMENTS**
6.1 Application for building permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Manuel Perez, P.E. Product Control Examiner
Product Control Division



19

PGT Industries

ACCEPTANCE No.: 01-0702.01

APPROVED: SEP 13 2001

EXPIRES: SEP 13 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
   a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
   b. The product is no longer the same product (identical) as the one originally approved.
   c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
   d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
   a. Unsatisfactory performance of this product or process;
   b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The engineer does not need to rescal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Acceptance contains pages 1, 2, and this last page 3.

END OF THIS ACCEPTANCE

Manuel Perez, P. E., Product Control Examiner
Product Control Division

COCONUT GROVE GLASS ENGINEERING DEPT.
4246 N.W. 37 AVE. MIAMI, FL 33142 (305)634-3429
Copyright 2000 by Tondelli Engineering, P.A. Tampa, Florida

CUSTOMER : MR. AND MRS. PENROD MIAMI BEACH, FL. DATE : 3/26/2004
JOB NUMBER : 317 N. COCONUT LANE
DESCRIPTION : IMPACT WINDOW REPLACEMENTS

***** DESIGN WIND LOADS - ASCE 7-98 *****
***** COMPONENTS AND CLADDING *****

WIND VELOCITY = 146 MPH
EXPOSURE CATEGORY = C
BUILDING CATEGORY = 2
IMPORTANCE FACTOR = 1.00
Kzt = 1.00

ROOF SLOPE = 0.00 : 12 (.00 DEG)
TRIBUTARY AREA = 10.0 FT2 Kh = 0.92 qh = 50.2 PSF
MEAN ROOF HEIGHT = 22.0 FT Kz = 0.882 qz = 48.1 PSF
DISTANCE, Z = 18.0 FT

WIND LOADS

	WALL AREA	
	4	5
GCp (+)	0.900	0.900
GCp (-)	-0.990	-1.260
PRESSURE (psf)	54.2 x.85= +46.07	54.2 x.85= +46.07
SUCTION (psf)	-58.7 x.85= -49.90	-72.3 x.85= -61.46

P = qh[(GCp) - (GCpi)]
GCpi = ± 0.18

BUILDING WIDTH = 23.0 FT
CORNER DISTANCE, a = 3.0 FT

a 4 5 a 4 b

3-30-04

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1567
(305) 375-2901 FAX (305) 375-2908

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
1070 Technology Drive
Nokomis, FL 34274

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).
This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke that acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

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

DESCRIPTION: Series C-740 Aluminum Casement Window - Impact

APPROVAL DOCUMENT: Drawing No. 7045-8, titled "Aluminum Casement Window, Impact", sheets 1 through 12 of 12, dated 12/17/02 with revision C dated 7/10/03, prepared by manufacturer, signed and sealed by Lucas A. Turner, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA revises NOA # **02-1224.02** consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.
The submitted documentation was reviewed by **Manuel Perez, P.E.**

NOA No **03-0611.02**
Expiration Date: **May 22, 2008**
Approval Date: **October 9, 2003**
Page 1

19

PUBLIC WORKS
PLAN REVIEW NOTICE
Phone 305-673-7080 Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.

All construction and or use of equipment in the right-of-way and/or easements, requires a separate Public Works Department permit prior to start of construction.

Permit Requirements: Proof of existing sidewalk, curb area conditions (pictures) and or posting of sidewalk / roadway bonds (Public Works inspection of the right-of-way will be required prior to final sign-off on the C.O., C.O., or the release of bonds.)

Authorized Rep... EXC 04/06/2004.

48 HOURS PRIOR TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION OF
UNDERGROUND UTILITIES

Sunshine One-Call 1-800-432-4770
City of Miami Beach 305-673-7360

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MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

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

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

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

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

DESCRIPTION: Series "PW-701" Aluminum Fixed Window-Impact

APPROVAL DOCUMENT: Drawing No. 4214, titled "Aluminum Fixed Impact Window", sheets 1 through 4 of 4, prepared by manufacturer dated 02-16-92 and last revised on 09-09-02, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Revision Stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile Impact Resistant

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

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

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA revises and renews NOA # 99-0218.01 and, consists of this page 1 as well as approval document mentioned above.
The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

NOA No 02-0716.03
Expiration Date: October 03, 2007
Approval Date: October 03, 2002
Page 1

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2359

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2929

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

PGT Industries
1070 Technology Drive
Nokomis ,FL 34275

Your application for Notice of Acceptance (NOA) of:
1"x Std. Wall - Aluminum Tube Clipped Mullions
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

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

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

ACCEPTANCE NO.: 00-0912.05
EXPIRES: 06/28/2006

Raul Rodriguez
Chief Product Control Division

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

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

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 06/28/2001

PGT industries

ACCEPTANCE No.: 00-0912.05
APPROVED : JUN 2 8 2001
EXPIRES : JUN 2 8 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE
1.1 This approves a clipped mullion system, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION
2.1 The **1"x Standard Wall - Aluminum Tube Clipped Mullion** and its components shall be constructed in strict compliance with the following documents: Drawing No **6620**, Sheets 1 through 5 of 5, titled "1" Std. Wall Mullion Arrangement Detail", prepared by manufacturer, dated 4/28/00, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control approval stamp; with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS
3.1 This approval applies to clipped structural mullions to be installed vertically or horizontally, as shown in the approved drawings.
3.2 For Design Pressure Rating vs. Mullion Length and Opening Width, for either 1x2x.125 (2 anchors) mullion or 1x4x.125 (4 anchors) mullion, see corresponding table in approved drawings.
3.3 Window sizes and design pressures are to be limited only to those appearing on charts referenced above and also listed in the individual window's Notice of Acceptance.

4. INSTALLATION
4.1 The clipped mullion system and its components shall be installed in strict compliance with the approved drawings.
4.2 This mullion can be installed as part of an impact resistant unit.

5. LABELING
5.1 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".

6. BUILDING PERMIT REQUIREMENTS
6.1 Application for building permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance, with mullion option indicated
6.1.2 The Notice of Acceptance of each door and or fixed lite attached to mullion.
6.1.3 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
6.1.4 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Manuel Perez, P.E. Product Control Examiner
Product Control Division

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PGT Industries

ACCEPTANCE No.: 00-0912.05
APPROVED : JUN 2 8 2001
EXPIRES : JUN 2 8 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
   a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
   b. The product is no longe the same product (identical) as the one originally approved.
   c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
   d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
   a. Unsatisfactory performance of this product or process.
   b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not rescal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE

Manuel Perez, P.E., Product Control Examiner
Product Control Division

3

MIAMI-DADE

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

CONTRACTOR LICENSING SECTION
(305) 375-2227 FAX (305) 375-2385

CONTRACTOR EXAMINATION SECTION
(305) 375-2966 FAX (305) 375-2965

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 375-2895

PRODUCT CONTROL NOTICE OF ACCEPTANCE

PGT Industries
1070 Technology Drive
Nokomis ,FL 34275

Your application for Notice of Acceptance (NOA) of:
SH-701 Aluminum Single Hung Window Impact Resistant
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

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

The expense of such testing will be incurred by the manufacturer

ACCEPTANCE NO.: 01-0625.08
EXPIRES: 11/01/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS

BUILDING CODE & PRODUCT REVIEW COMMITTEE

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

Francisco J. Quintana, P.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 11/01/2001

E.H.C - 64 - 26 - 2064.

Internet mail address: geninquiry@buildingcodeonline.com Homepage: http://www.buildingcodeonline.com

Vinyl Tech/Progressive Glass Technology ACCEPTANCE No. : 01-0629.05
APPROVED : November 01, 2001
EXPIRES : November 01, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. **SCOPE**
   This revises & renews Notice of Acceptance No. 98-02.3.01, which was issued on October 22, 1998. It approves an aluminum single hung window, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. **PRODUCT DESCRIPTION**
   The Series **SH-701 Aluminum Single Hung Window – Impact** and its components shall be constructed in strict compliance with the following document: Drawing No. **4040**, titled "SH-701 Aluminum Single Hung window" Sheets 1 thru 4 of 4, prepared by manufacturer, dated 2/9/98, 08-18-98 and last revised on 10-11-2001, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. **LIMITATIONS**
   3.1 This approval applies to single unit applications only, as shown in approved drawings.
   3.2 Water infiltration requirements: see design pressure table.

4. **INSTALLATION**
   4.1 The aluminum single hung window and its components shall be installed in strict compliance with the approved drawings.
   4.2 The installation of this product **will not require** a hurricane protection system.

5. **LABELING**
   5.1 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"

6. **BUILDING PERMIT REQUIREMENTS**
   6.1 Application for building permit shall be accompanied by copies of the following:
   6.1.1 This Notice of Acceptance.
   6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
   6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Ishaq I. Chanda
Ishaq I. Chanda, P.E., Product Control Examiner
Product Control Division

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Vinyl Tech/Progressive Glass Technology

ACCEPTANCE No. : 01-0629.06
APPROVED : November 01, 2001
EXPIRES : November 01, 2006

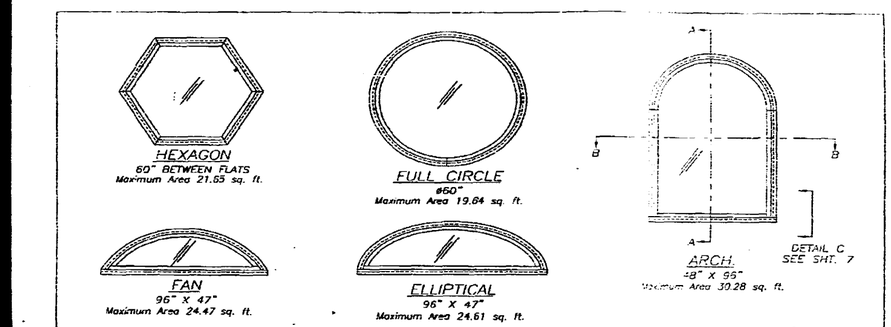
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
   a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
   b. The product is no longer the same product (identical) as the one originally approved.
   c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
   d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
   a. Unsatisfactory performance of this product or process.
   b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not rescal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and the last page 3.

END OF THIS ACCEPTANCE

Ishor I. Chanda

Ishor I. Chanda, P.E., Product Control Examiner
Product Control Division



LARGE MISSILE IMPACT WINDOWS

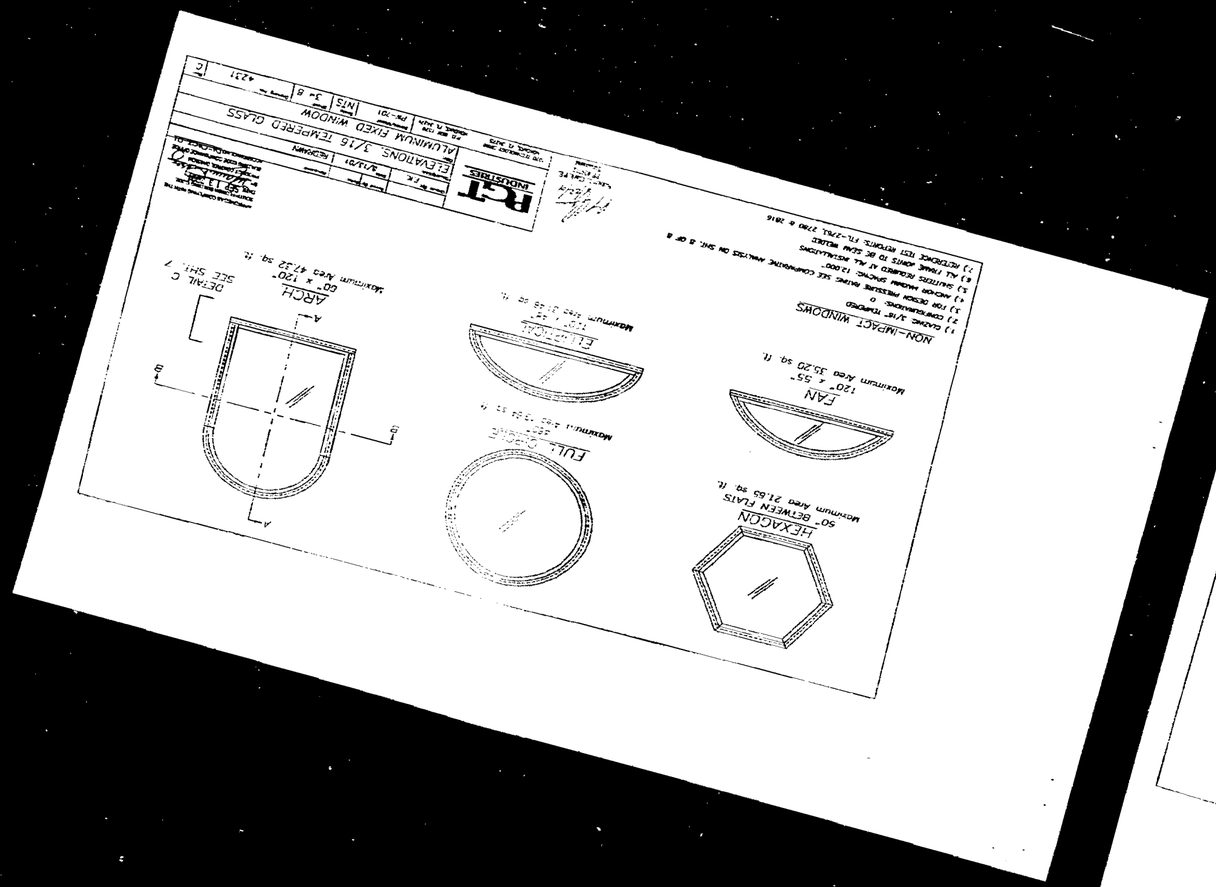
1.) GLAZING: 7/16" LAMINATED W/INTERLAYER DUPONT BUCAITE PVB
2.) CONFIGURATIONS: O
3.) DESIGN PRESSURE RATING:
+60.0 PSF & -60.0 PSF (3/16" HEA" STRENGTHENED/.090/3/16" HEAT STRENGTHENED LAM)
+36.0 PSF & -36.0 PSF (3/16" ANNEALED/.090/3/16" ANNEALED)
4.) ANCHOR MAXIMUM SPACING: 12.000"
5.) NO SPLITTERS REQUIRED
6.) ALL FRAME JOINTS TO BE SEAM WELDED
7.) REFERENCE TEST REPORT: FTL-2797

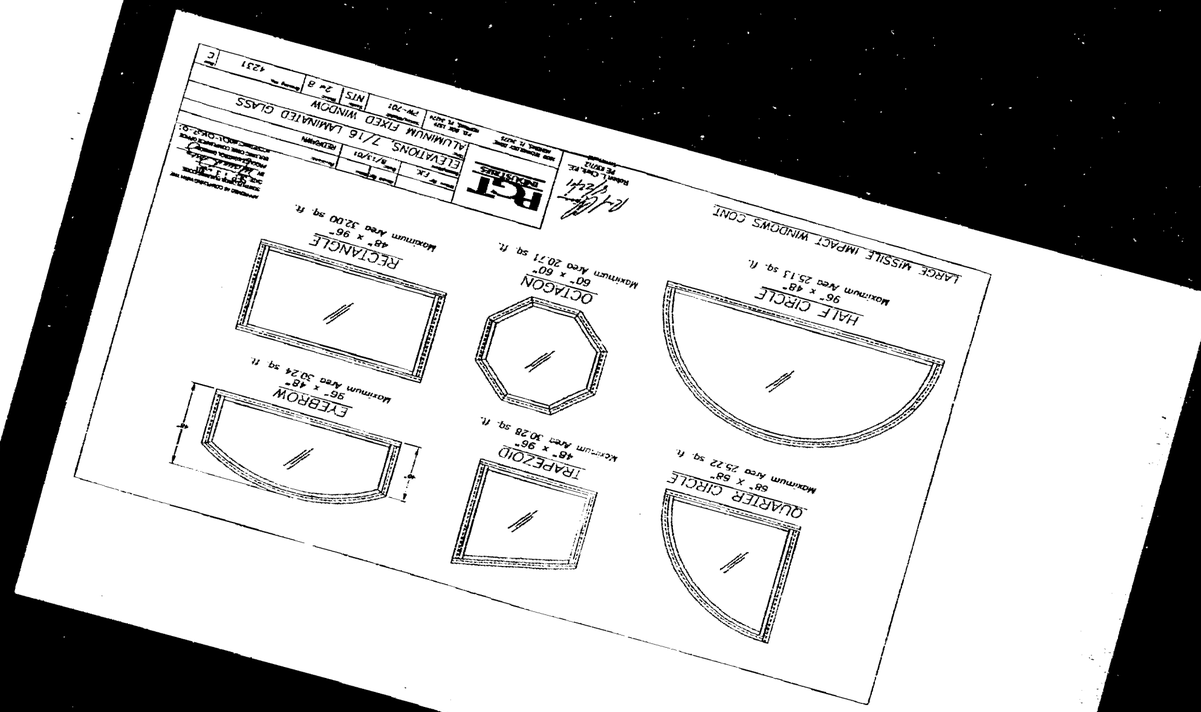
Robert L. Clark, P.E.
PE 43712
Structural

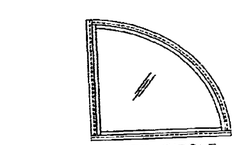
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE SEP 13 2001
BY Miguel Luis
PRODUCT CONTROL DIVISION
MIAMI-DADE COUNTY COMPLIANCE OFFICE
ACCEPTANCE NO 01-0629.06

PGT INDUSTRIES
1070 EDGEWATER DRIVE
VENICE, FL 34293

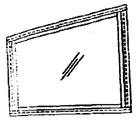
Drawn By: T.F.	Date: 3/13/01	Revisions: REDRAWN			
Drawing Name: ELEVATIONS 7/16 LAMINATED GLASS					
Title: ALUMINUM FIXED WINDOW					
P.O. No.	Series / Model: 7A-791	Scale: NTS	Sheet: 1 of 8	Drawing No.: 4231	Rev: C


NON-IMPACT WINDOWS
ELEVATIONS 3/16 TEMPERED GLASS
ALUMINUM FIXED WINDOW
FAN
120° x 55°
Maximum Area 35.20 sq. ft.
FULL CIRCLE
Maximum Area 39.31 sq. ft.
ARCH
60" x 120"
Maximum Area 41.32 sq. ft.
HEXAGON
90° BETWEEN FLATS
Maximum Area 21.65 sq. ft.


LARGE MISSILE IMPACT WINDOWS CONT.
ELEVATIONS 7/16 LAMINATED GLASS
ALUMINUM FIXED WINDOW
HALF CIRCLE
96" x 48"
Maximum Area 25.13 sq. ft.
QUARTER CIRCLE
96" x 96"
Maximum Area 25.22 sq. ft.
OCTAGON
60" x 60"
Maximum Area 20.71 sq. ft.
TRAPEZOID
48" x 96"
Maximum Area 30.28 sq. ft.
RECTANGLE
48" x 96"
Maximum Area 32.00 sq. ft.
EYEBROW
96" x 48"
Maximum Area 30.24 sq. ft.

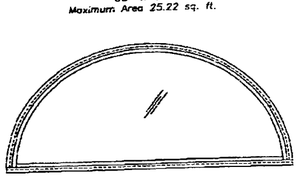


QUARTER CIRCLE
68" x 68"
Maximum Area 25.22 sq. ft.

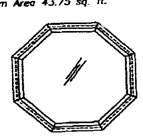


TRAPEZOID
60" x 120"
Maximum Area 43.75 sq. ft.

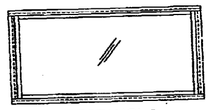
EYEBROW
74" x 37"
Maximum Area 17.83 sq. ft.



HALF CIRCLE
120" x 60"
Maximum Area 39.27 sq. ft.



OCTAGON
60" x 60"
Maximum Area 20.71 sq. ft.



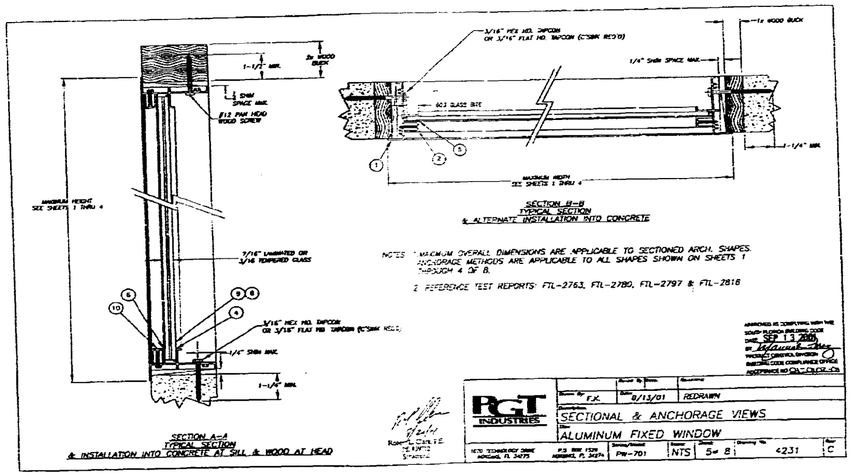
RECTANGLE
60" x 120"
Maximum Area 50.00 sq. ft.

NON-IMPACT WINDOWS CONT.

APPROVED AS COMPLYING WITH THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
DATE: SEP 13 2001
BY: Mahmud Sabir
PRODUCT CONTROL DIVISION
SEE ADDITIONAL CODE COMPLIANCE APPROVAL ON SHEET 4
ACCEPTANCE NO. OA-0612.02

Robert W. Chee, P.E.
FL. REG. NO. 37873

RGT INDUSTRIES			
Drawn By: F.K.	Date: 8/13/01	Revision: REDRAWN	
Title: ELEVATIONS, 3/16 TEMPERED GLASS			
Title: ALUMINUM FIXED WINDOW			
1600 TECHNOLOGY DRIVE, KISSIMMEE, FL 34771	P.O. BOX 1529, KISSIMMEE, FL 34744	Series/Model: PW-701	Scale: NTS / 4 of 8 / Drawing No.: 4231 / Rev: C



SECTION B-B
TYPICAL SECTION
& ALTERNATE INSTALLATION INTO CONCRETE

SECTION A-A
TYPICAL SECTION
& INSTALLATION INTO CONCRETE AT SILL & WOOD AT HEAD

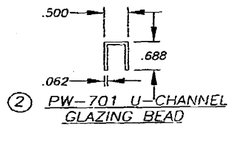
NOTES: 1. MAXIMUM OVERALL DIMENSIONS ARE APPLICABLE TO SECTIONED ARCH. SHAPES. ANCHORAGE METHODS ARE APPLICABLE TO ALL SHAPES SHOWN ON SHEETS 1 THROUGH 4 OF 8.

2. REFERENCE TEST REPORTS: FTL-2763, FTL-2780, FTL-2797 & FTL-2816

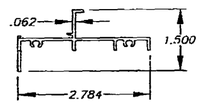
APPROVED AS COMPLYING WITH THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
DATE: SEP 13 2001
BY: Mahmud Sabir
PRODUCT CONTROL DIVISION
SEE ADDITIONAL CODE COMPLIANCE APPROVAL ON SHEET 4
ACCEPTANCE NO. OA-0612.02

Robert W. Chee, P.E.
FL. REG. NO. 37873

RGT INDUSTRIES			
Drawn By: F.K.	Date: 8/13/01	Revision: REDRAWN	
Title: SECTIONAL & ANCHORAGE VIEWS			
Title: ALUMINUM FIXED WINDOW			
1600 TECHNOLOGY DRIVE, KISSIMMEE, FL 34771	P.O. BOX 1529, KISSIMMEE, FL 34744	Series/Model: PW-701	Scale: NTS / Sh 8 / Drawing No.: 4231 / Rev: C



② PW–701 U–CHANNEL GLAZING BEAD



① PW–701 FRAME EXTRUSION

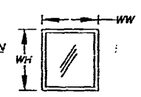
BILL OF MATERIAL

MK.	PART #	DESCRIPTION	VENDOR	VENDOR #
1	612242	FRAME HEAD, SILL & JAMB	6063–T5	AF–12242
2	6533402	U–CHANNEL GLAZING BEAD	6063–T5	AF–533402
3	7834 –	#8 x 3/4 PN. PH. SMS	SPENCER OR =	
4	62899C/82501C	SILICON BACK BEDDING	DOW/G.E. OR =	
5	61412K	CLOSED CELL FOAM TAPE FOR 3/16 GLASS	TAPE SPECIALISTS OF FL OR =	
6	628V1510	CLOSED CELL FOAM TAPE FOR 7/16 GLASS	TAPE SPECIALISTS OF FL OR =	
7	65M55W	SEAM SEALER	SCHNEE/MOREHEAD OR =	SM5504
8		3/16 TEMPERED GLASS	TRIPLE DIAMOND GLASS OR =	
9	SEE NOTE	7/16 LAMI (.187HS/.090/.187HS)	TRIPLE DIAMOND GLASS OR =	
10	7PWSW	#6 x 7/8 FL. PH. TEK	SPENCER OR =	
11	SEE NOTE	7/16 LAMI (.187A/.090/.187A)	TRIPLE DIAMOND GLASS OR =	

NOTE: ITEM 9 & 11 USES DUPONT BUTACITE PVB INTERLAYER

VISIBLE LIGHT CALCULATION

WINDOW WIDTH "TIP TO TIP" – 3.00"
WINDOW HEIGHT "TIP TO TIP" – 3.00"

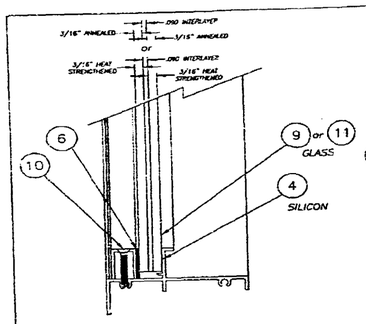


APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE SEP 11 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO: C1-0102-01

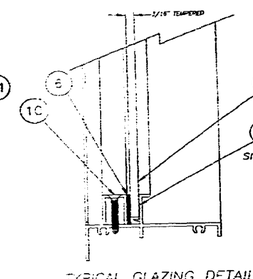
REFERENCE TEST REPORTS: FTL–2763, FTL–2760, FTL–2797 & 2816

Robert L. Clark, P.E.
FL 52772
Structural

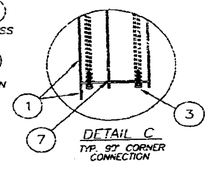
Drawn By: F.K.	Date: 8/13/01	Revision: REDRAWN	
Title: EXTRUSION PROFILES & B.O.M.			
Title: ALUMINUM FIXED WINDOW			
1475 TECHNOLOGY DRIVE MERRITT, FL 34979	P.O. BOX 1529 HOWEY-IN-THE-HILLS, FL 34737	Series/Model: PW–701	Scale: NTS
Sheet: 5 of 8	Drawing No.: 4231	Rev: C	



TYPICAL GLAZING DETAIL
7/16" LAMINATED GLASS



TYPICAL GLAZING DETAIL
3/16" TEMPERED GLASS



DETAIL C
TYP. 90° CORNER CONNECTION

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE SEP 11 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO: C1-0102-01

REFERENCE TEST REPORTS: FTL–2763, FTL–2760, FTL–2797 & 2816

A.R.C.L. Clark, P.E.
FL # 52772
Structural

Drawn By: F.K.	Date: 8/13/01	Revision: REDRAWN	
Title: GLAZING & CORNER DETAIL			
Title: ALUMINUM FIXED WINDOW			
1475 TECHNOLOGY DRIVE MERRITT, FL 34979	P.O. BOX 1529 HOWEY-IN-THE-HILLS, FL 34737	Series/Model: PW–701	Scale: NTS
Sheet: 7 of 8	Drawing No.: 4231	Rev: C	

3/16" TEMPERED GLASS

NOTES:

1.) Negative Design Loads based on Comparative Analysis and Glass Table ASTM E1300.

2.) Positive Design Loads based on Comparative Analysis and Water Test Pressure.

3.) Numbers are for #12 screws or 3/16" Tapcons.

4.) Anchor maximum spacing: 12"

Negative Design Loads

Window Heights	Window Widths 19.125	24.000	26.500	37.000	48.000	60.000	97.000	111.000	120.000
36.000	135.00	135.00	135.00	135.00	135.00	135.00	135.00	122.90	113.60
39.000	135.00	135.00	135.00	135.00	135.00	135.00	79.40	70.00	65.10
51.000	135.00	135.00	135.00	135.00	90.80	80.30	77.40	63.00	58.90
60.000	135.00	135.00	135.00	135.00	90.80	58.00	58.00	58.00	57.40

Positive Design Loads

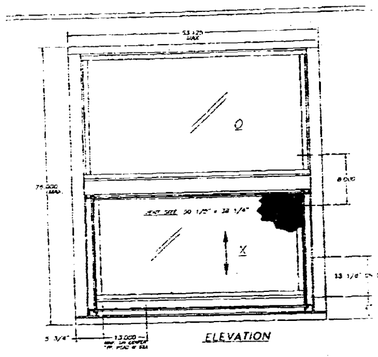
Window Heights	Window Widths 19.125	24.000	26.500	37.000	48.000	60.000	97.000	111.000	120.000
36.000	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
39.000	100.00	100.00	100.00	100.00	100.00	100.00	79.40	70.00	66.10
51.000	100.00	100.00	100.00	100.00	90.80	80.30	77.40	63.00	58.90
60.000	100.00	100.00	100.00	100.00	90.80	58.00	58.00	58.00	57.40

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE 09/13/01
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. FL11780-R1

REFERENCE TEST REPORTS: FTL-2763, FTL-2780, & 2616

Michael L. Gard, PE
FL #29717
Structural

Drawn By: F.K.	Date: 8/13/01	Revision: RCOMMEN	
Description: COMPARATIVE ANALYSIS, NON-IMPACT			
Title: ALUMINUM FIXED WINDOW			
1506 Bloomingdale Avenue, Valrico, FL 33594	P.O. BOX 1529, VALRICO, FL 33594	Series/Model: FW-701	Sheet: NTS	Sheet: 8 of 8	Drawing No.: 4231	Rev: C



ELEVATION

LARGE MISSILE IMPACT WINDOWS

1.) GLAZING OPTIONS: A. 3/16" (.170) LAMINATED GLASS
3/16" annealed/.090 PVB/3/16" annealed
B. 3/16" (.170) LAMINATED GLASS
7/16" clear (unlaminated)/.090 PVB/7/16" heat strengthened

2.) DESIGNATION: 3M

3.) DESIGN PRESSURE RATING: SEE TABLE

4.) ANCHORS:
MIN. 2 PER JAMB EACH CORNER (HEAD & SILL)
MAX. 2" FROM EACH CORNER (JAMBS)
MAX. SPACING AT JAMB & SILL: 12.00"
MAX. SPACING AT HEAD: 13.125"

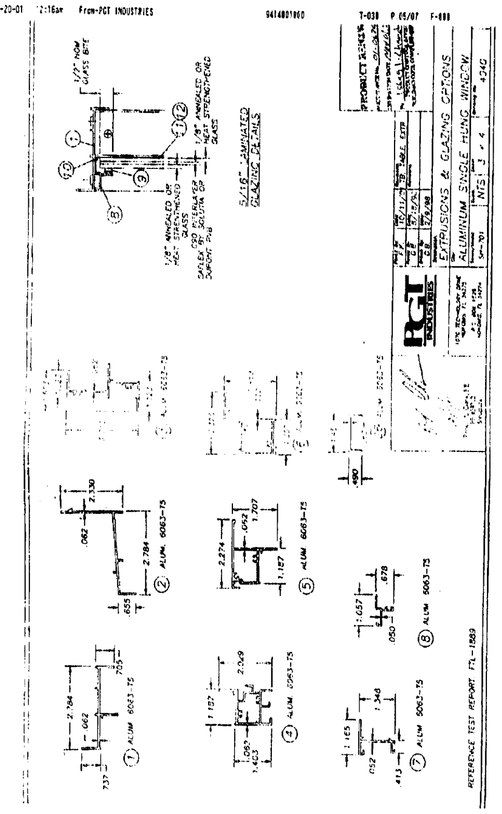
5.) SHUTTER REQUIREMENT:
NO SHUTTERS REQUIRED

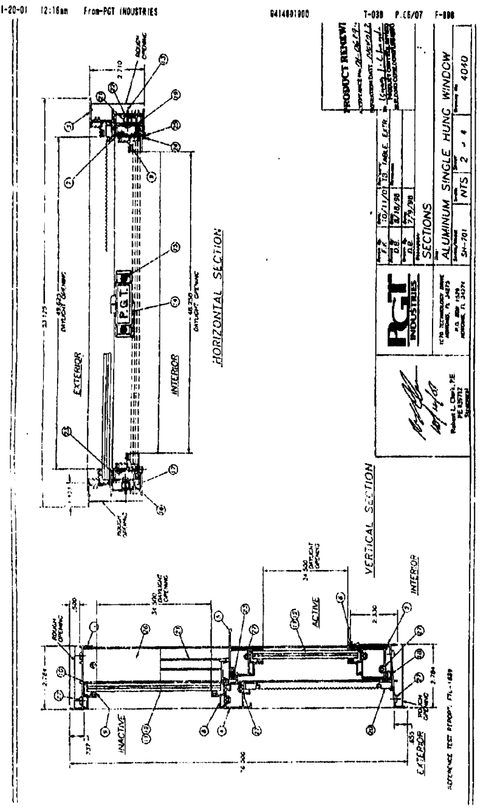
6.) REFERENCE TEST REPORT: FTL-1484

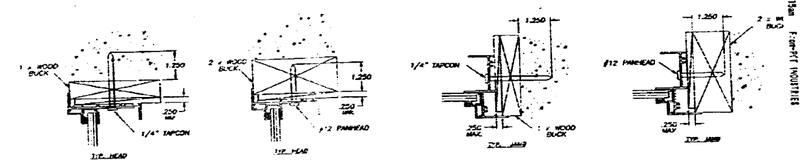
DESIGN PRESSURE RATING (P.S.F.)			
3/16 LAMINATED W/ ANNEALED GLASS		3/16 LAMINATED W/ HEAT STRENGTHENED GLASS	
WATER INFILTRATION NO REQUIRED	WATER INFILTRATION NOT REQUIRED	WATER INFILTRATION REQUIRED	WATER INFILTRATION NOT REQUIRED
+50.0	-50.0	+40.0	-40.0	+45.7	-45.0	+60.0

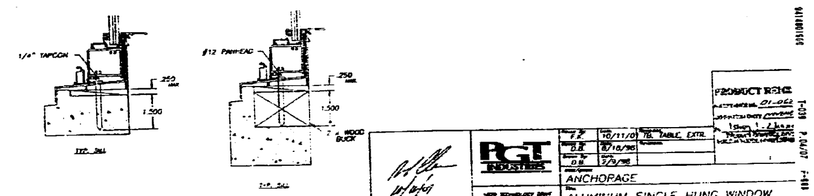
PRODUCT REVIEW
ACCEPTANCE No. 01-2694
EXPIRATION DATE Automatic

Drawn By: F.K.	Date: 10/11/2	Revision: TO TABLE ENTR	
Checked By: GB	Date: 07/16/99		
Approved By: GB	Date: 3/9/98		
Description: ELEVATION & PARTS LIST			
Title: ALUMINUM SINGLE HUNG WINDOW			
1506 Bloomingdale Avenue, Valrico, FL 33594	P.O. BOX 1529, VALRICO, FL 33594	Series/Model: SH-701	Scale: NTS	Sheet: 1 of 2	Drawing No.: 4240	Rev:


1/8" LOW IRON GLASS SET
1/8" ANNEALED OR HEAT STRENGTHENED GLASS
SEALED PVB LAMINATED OR SURLYN PLUS
1/8" ANNEALED OR HEAT STRENGTH-ENED GLASS
5/16" LAMINATED GLAZING DETAILS
ALUM. 6063-T5
REFERENCE TEST REPORT ITL-1989
PGT INDUSTRIES
ALUMINUM SINGLE HUNG WINDOW
EXTRUSIONS & GLAZING OPTIONS
SCALE: 3" = 1'-0"
DRAWING NO. 4040


HORIZONTAL SECTION
VERTICAL SECTION
EXTERIOR
INTERIOR
ACTIVE
INACTIVE
INTERPOS
PGT INDUSTRIES
ALUMINUM SINGLE HUNG WINDOW
SECTIONS
SCALE: 3" = 1'-0"
DRAWING NO. 4040





REFERENCE TEST REPORT: FTL-1869

Robert L. Clark, PE
PE 49913
Consultant

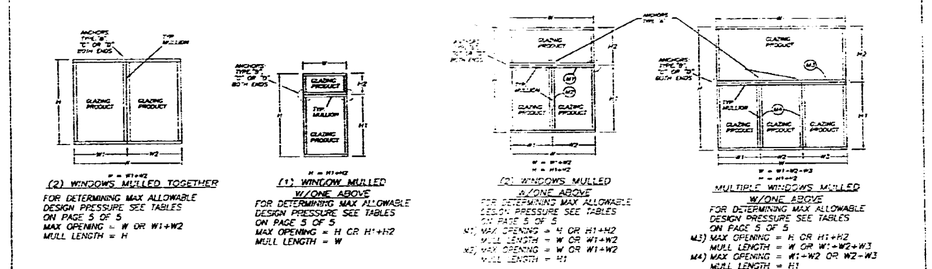
PGT INDUSTRIES
1070 TECHNOLOGY DRIVE
NORTH VENICE, FL 34275
P.O. BOX 1529
VENICE, FL 34284

Drawn By: P.J.P.	Date: 10/11/07	Revisions: TR TABLE, EXTR.	
Checked By: R.R.	Date: 07/16/08		
Approved By: D.R.	Date: 7/3/08		

PRODUCT REVIEW
FACTORY REVIEW: 01-002
ASSOCIATED DRAWINGS: COMPANION
15mm | 1.44mm
PRODUCT APPROVAL NUMBER: FL 7207.1 R1

Description: ANCHORAGE
Title: ALUMINUM SINGLE HUNG WINDOW
Series/Model: SH-701 | Scale: NTS | Sheet Size: 4 x 4 | Drawing No.: 4040

Page 5/8



NOTES:
1. FOR ANCHORAGE TYPE, QUANTITY AND LOCATION REFER TO SHEETS 2, 3 AND 5
2. WINDOWS MAY BE MULLED TOGETHER, TO A MAX. OF 5 UNITS
3. MULLIONS ARE APPROVED FOR IMPACT & NON-IMPACT
4. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

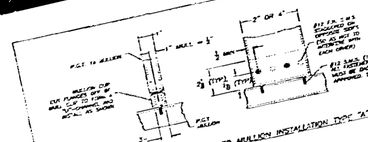
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: JUN 2 8 2008
BY: Miami-Dade County
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO: DC: 08112.03

Robert L. Clark, PE
PE 49913
Consultant

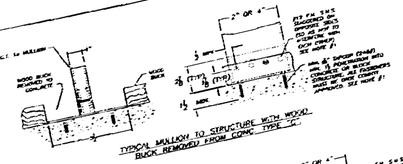
PGT INDUSTRIES
1070 TECHNOLOGY DRIVE
NORTH VENICE, FL 34275
P.O. BOX 1529
VENICE, FL 34284

Drawn By: P.J.P.	Date: 4/28/08	Revisions:	
Checked By:	Date:		
Approved By:	Date:		

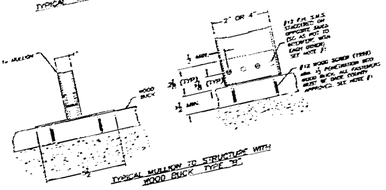
Description: ARRANGEMENT DETAIL
Title: 1" STD. WALL MULLION
Series/Model: MULLS | Scale: NTS | Sheet Size: 1 x 5 | Drawing No.: 6620 | Rev.:



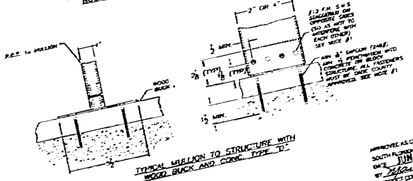
TYPICAL MULLION TO MULLION INSTALLATION TYPE "A"



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



TYPICAL MULLION TO STRUCTURE WITH WOOD BUCK TYPE "B"



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

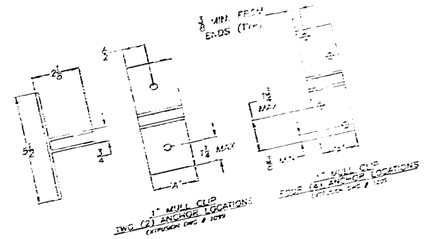
NOTE:
1. FOR MULL SIZE AND QUANTITY OF ANCHORS REQUIRED SEE SHEET 3. FOR ANCHOR LOCATIONS SEE SHEET 3. THE QUANTITY OF ANCHORS FOR MULL-TO-CLIP IS THE SAME AS THE QUANTITY OF ANCHORS FROM CLIP-TO-OPENING.
2. REFERENCE TEST REPORT FTL-2502, 2503 AND 2975

IMPORTANT:
QUANTITY OF ANCHORS SHOWN ARE FOR A PICTORIAL REPRESENTATION ONLY. FOR CORRECT QUANTITY OF ANCHORS PLEASE REFER TO CHARTS AND FIND THE CORRECT MULL SIZE AND PRESSURE REQ'D FOR YOUR SPECIFIC APPLICATION.

Robert L. Clark, P.E.
FE #39712
Secretary

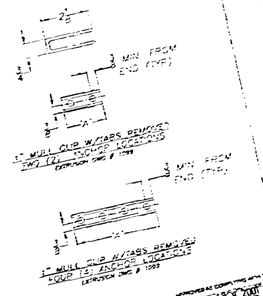
Drawn By: P.J.P.	Date: 4/28/00	Comp By:	Date:
Description: 1" STD WALL MULLION		Scale: NTS	Sheet No: 2 of 5
Subject: CLIP & INSTALLATION DETAIL			Drawing No: 6620

PGT INDUSTRIES
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
VENICE, FL 34274
MULLS



1" MULL CLIP
(TWO (2) ANCHOR LOCATIONS)
EXTRUSION DWG # 1099

1" MULL CLIP
FOUR (4) ANCHOR LOCATIONS
EXTRUSION DWG # 1099



1" MULL CLIP W/TABS REMOVED
(TWO (2) ANCHOR LOCATIONS)
EXTRUSION DWG # 1099

1" MULL CLIP W/TABS REMOVED
FOUR (4) ANCHOR LOCATIONS
EXTRUSION DWG # 1099

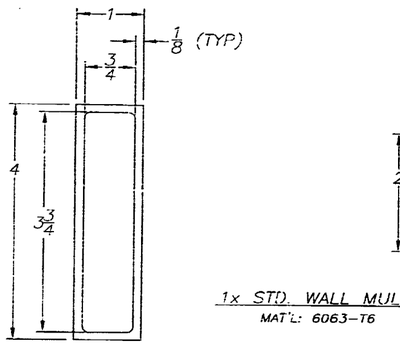
CLIP LENGTH CHART FOR "A" MULL	
MULL SIZE	"A"
1 x 2 x .062	1 1/2
1 x 4 x .062	3 1/2

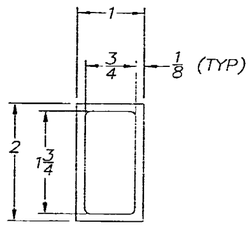
NOTE:
1. REFERENCE TEST REPORT FTL-2902,2903 AND 2975

R.L. CLARK
FE 39712

Drawn By: P.J.P.	Date: 4/28/00	Comp By:	Date:
Description: 1" STD WALL MULLION		Scale: NTS	Sheet No: 3 of 5
Subject: 1" MULLION CLIP ANCHOR LOCATION			Drawing No: 6620

PGT INDUSTRIES
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
VENICE, FL 34274
MULLS





1x STD. WALL MULLS

MAT'L: 6063-T6

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUN 2 8 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0912.02

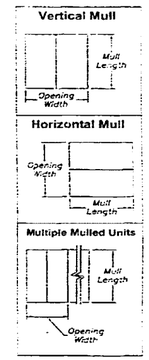
NOTE:
1. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

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

RGT INDUSTRIES	Prepared By:	Date:	Client/Job Number:	Date:	Remarks:
	Drawn By: P.J.P.	Date: 4/28/00			
	Description: PROFILES				
	Title: 1" STD. WALL MULLION				
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: MULLS	Scale: NTS	Sheet: 4 of 5	Drawing No.: 6620

1x2x.125 2 Anchors	OPENING WIDTH IN INCHES									
MULL LENGTH IN INCHES (1)	50	60	70	80	90	100	110	120	130	160
42	129	115	107	104	103	103	103	103	103	103
48	83	73	67	63	61	61	61	61	61	-
50.625	70	61	55	52	50	49	49	49	49	49
54	57	49	44	41	39	38	38	38	38	38
60	41	35	31	29	27	26	25	25	25	25
63	35	30	27	24	23	22	21	20	20	20
66	30	26	23	21	19	18	18	17	17	17
72	23	20	17	16	-	-	-	-	-	-
76	20	17	15	-	-	-	-	-	-	-
78	18	15	-	-	-	-	-	-	-	-
84	-	-	-	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-	-	-	-
96	-	-	-	-	-	-	-	-	-	-
108	-	-	-	-	-	-	-	-	-	-
111	-	-	-	-	-	-	-	-	-	-
144	-	-	-	-	-	-	-	-	-	-

1x4x.125 4 Anchors	OPENING WIDTH IN INCHES									
MULL LENGTH IN INCHES (2) (6)	50	60	70	80	90	100	110	120	130	160
42	170	170	170	170	170	170	170	170	170	170
48	170	170	170	170	170	170	170	170	170	170
50.625	170	170	170	170	170	170	170	170	170	170
54	170	170	170	170	162	158	157	157	157	157
60	170	170	157	143	134	127	124	122	122	122
63	170	160	141	128	119	112	108	106	106	106
66	170	145	127	115	106	100	96	93	92	92
72	142	120	105	95	87	81	77	74	72	71
76	120	102	90	81	74	69	65	63	61	59
78	111	94	83	74	68	63	60	57	55	52
84	88	75	65	59	53	49	46	44	42	40
90	72	60	53	47	43	39	37	35	33	31
96	59	50	43	38	35	32	30	28	27	24
108	41	35	30	27	24	22	20	19	18	16
111	38	32	28	24	22	20	19	17	16	-
144	17	-	-	-	-	-	-	-	-	-



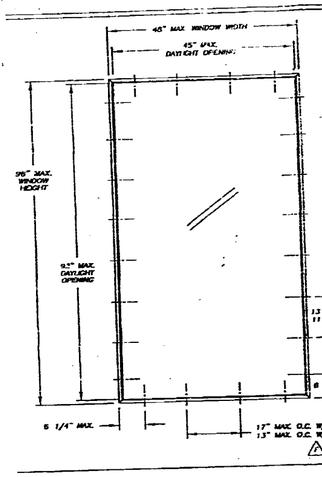
NOTES:
1. MAXIMUM ALLOWABLE PRESSURE IN PSF.
2. DESIGN IS BASED ON OPENING WIDTH. FOR MULTIPLE UNITS, CONSIDER ONLY TWO ADJACENT UNITS AT A TIME. SEE SHEET 5
3. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

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

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUN 2 8 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0912.02

RGT INDUSTRIES	Prepared By:	Date:	Client/Job Number:	Date:	Remarks:
	Drawn By: P.J.P.	Date: 4/28/00			
	Description: PRESSURE CHARTS				
	Title: 1" STD. WALL MULLION				
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	P.O. BOX 1529 NOKOMIS, FL 34274	Series/Model: MULLS	Scale: NTS	Sheet: 5 of 5	Drawing No.: 6620

LARGE MISSILE IMPACT WINDOWS



1.) GLAZING DETAIL:
7/16" (.454) LAMINATED GLASS CONSISTING OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF SAFLEX PVB BY SOLUTIA OR DUPONT WITH BUTACITE AND 3/16" HEAT STRENGTHENED GLASS.

2.) CONFIGURATIONS: "O"

3.) DESIGN PRESSURE RATING: SEE TABLE 1.

4.) ANCHORAGE: (SEE EMBEDMENT DETAIL SHT. 4 OF 4)
MAX. 6 1/4" FROM EACH CORNER (HEAD & SILL)
MAX. 6 3/4" FROM EACH CORNER (JAMBS)
MAX. O.C. AT HEAD & SILL = 17" W/ 1/4" TAPCONS
MAX. O.C. AT HEAD & SILL = 13" W/ #14 SCREWS
MAX. O.C. AT JAMBS = 13 1/4" W/ 1/4" TAPCONS
MAX. O.C. AT JAMBS = 11 1/4" W/ #14 SCREWS

5.) SHUTTER REQUIREMENT: NO SHUTTERS REQUIRED

6.) REFERENCE TEST REPORT: FTL-1971

7.) INSTALLATION OF 1x OR 2x BUCK TO THE SUBSTRATE TO BE ENGINEERED SEPARATELY AND TO BE REVIEWED BY BUILDING OFFICE.

FTL-1971

COMPARATIVE ANALYSIS TABLE 1.

DESIGN PRESSURE RATING FOR GLASS TYPE - 7/16" LAMINATED (3/16"HS+.090"+3/16"HS)

WINDOW	WINDOW HEIGHT											
	76.000		76.000		80.000		84.000		90.000		96.000	
WIDTH	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS
41.000	-85.0	90.0	-89.0	96.8	-85.0	90.8	-85.0	90.8	-90.0	90.8	-95.0	90.0
42.000	-80.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	89.3
43.000	-81.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	88.5
43.000	-81.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	88.5
43.000	-81.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	88.5
44.000	-82.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	87.7
45.000	-83.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	86.9
45.000	-83.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	86.9
45.000	-83.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	86.9
45.000	-83.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	86.9
45.000	-83.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	86.9
46.000	-84.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	86.1
46.000	-84.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	86.1
46.000	-84.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	86.1
46.000	-84.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	86.1
46.000	-84.9	90.0	-94.0	90.0	-90.0	90.0	-90.0	90.0	-90.0	90.0	-95.0	86.1
47.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	77.3
47.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	77.3
47.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	77.3
47.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	77.3
47.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	77.3
47.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	77.3
47.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	77.3
47.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	77.3
47.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	77.3
48.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	76.5
48.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	76.5
48.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	76.5
48.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	76.5
48.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	76.5
48.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	76.5
48.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	76.5
48.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	76.5
48.000	-85.0	90.0	-94.0	89.9	-87.5	87.5	-85.2	88.3	-91.9	91.8	-97.3	76.5

UP TO 52 SQ. FT.

Rev. No.	Date	Description
F.K.	2/9/00	ADDL ANCHRS SPACING
F.K.	6/13/02	ADDL ANCHRS & SPACING
F.K.	7/10/02	ADDL ANCHRS SPACING
F.K.	2/3/03	ADD COMP. AND THRU
F.K.	11/6/01	ADD EXTR.
G.B.	1/29/99	
G.B.	2/16/98	

ENGINEER NOTES:
as applicable to the Florida Building Code 2001/FBC-03 Existing Building Code 2001/FBC-03 Residential Provisions

By Robert L. Clark, P.E.
Florida Registered Professional Engineer
Window

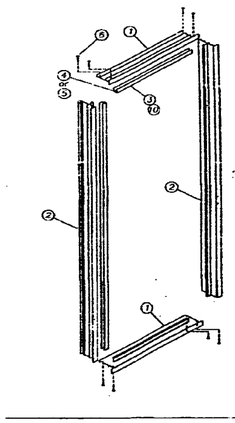
PGT INDUSTRIES

1070 TECHNOLOGY DRIVE
VENICE, FL 34275
P.O. BOX 1529
VENICE, FL 34284

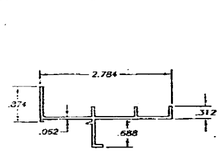
Title: ELEVATION

ALUMINUM FIXED IMPACT WINDOW

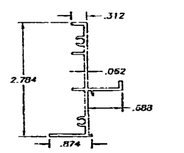
Drawing No.: PW-701 | Scale: NTS | Sheet: 1 of 4 | Drawing No.: 4214



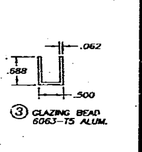
ITEM	DESCRIPTION	V.T.#	QTY./LOCATION	VENDOR	VENDOR NO.
1	Frame Head & Sill	612741	1 ea.	Alumax	AF-12741
2	Frame Jambs	612242	2	Alumax	AF-12242
3	.688 x .500 Glaz. Bead	65.33402	4	Alumax	AF-53340
4	Seam Sealer	65#SSW		Sashco - Screwseal	SMS504
5	Closed Cell Foam Tape	61308	4 (between bead & glass)	Sta-R	1308
6	#8 x 1.00" Fh. P. H.	781-FQA	8 (Frame Assy. screws)	Marshwalls Fasteners	
7	Silicon Back Bedding	67999C		Dow Corning	899
8	7/16" (.454) W/SOLUTIA PVB INTERLAYER		1	H.P.G.	
9	7/16" (.454) W/DUPONT PVB INTERLAYER		1	H.P.G.	
10	#6 x .875 Fh. PT Self-Tap	TPWSW	Bead screws, 2 1/2" from end, 20" centers	Fastec	



① FRAME HEAD & SILL
6053-T5 ALUM.



② FRAME JAMB
6063-T5 ALUM.



③ GLAZING BEAD
6063-T5 ALUM.

Rev. No.	Date	Description
F.K.	2/9/00	ADDL ANCHRS SPACING
F.K.	6/13/02	ADDL ANCHRS & SPACING
F.K.	7/10/02	ADDL ANCHRS SPACING
F.K.	2/3/03	ADD COMP. AND THRU
F.K.	11/6/01	ADD EXTR.
G.B.	1/29/99	
G.B.	2/16/98	

ENGINEER NOTES:
as applicable to the Florida Building Code 2001/FBC-03 Existing Building Code 2001/FBC-03 Residential Provisions

By Robert L. Clark, P.E.
Florida Registered Professional Engineer
Window

PGT INDUSTRIES

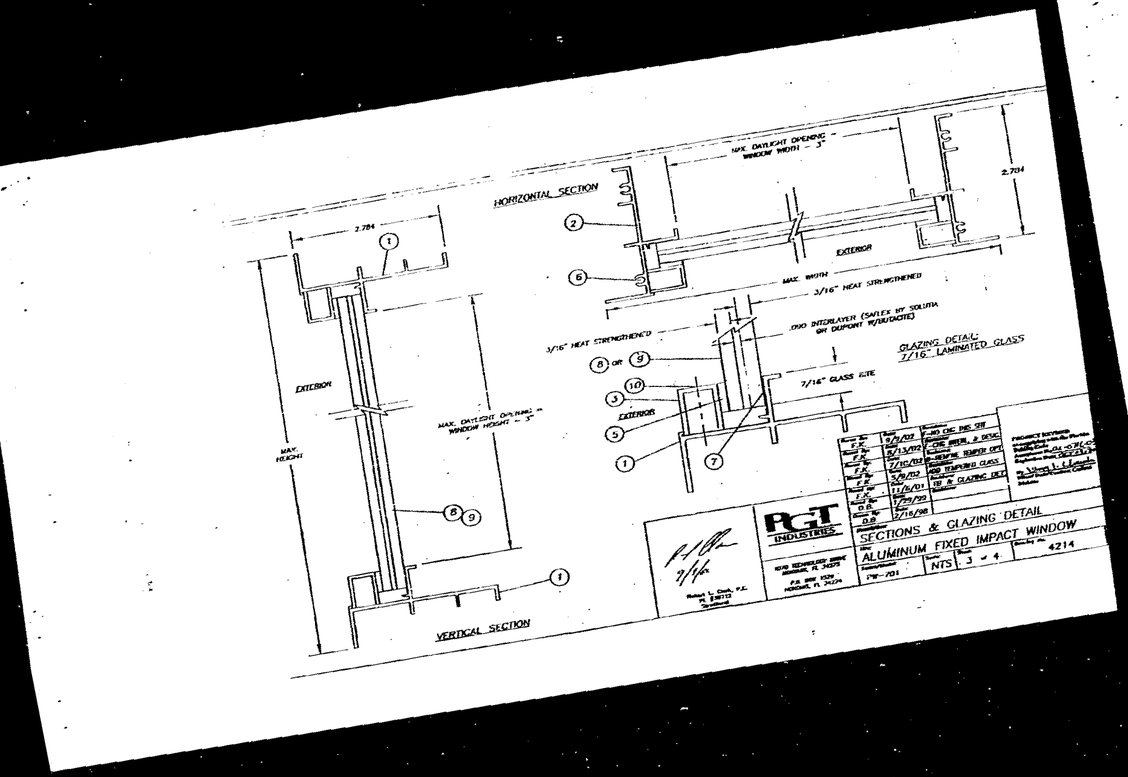
1070 TECHNOLOGY DRIVE
VENICE, FL 34275
P.O. BOX 1529
VENICE, FL 34284

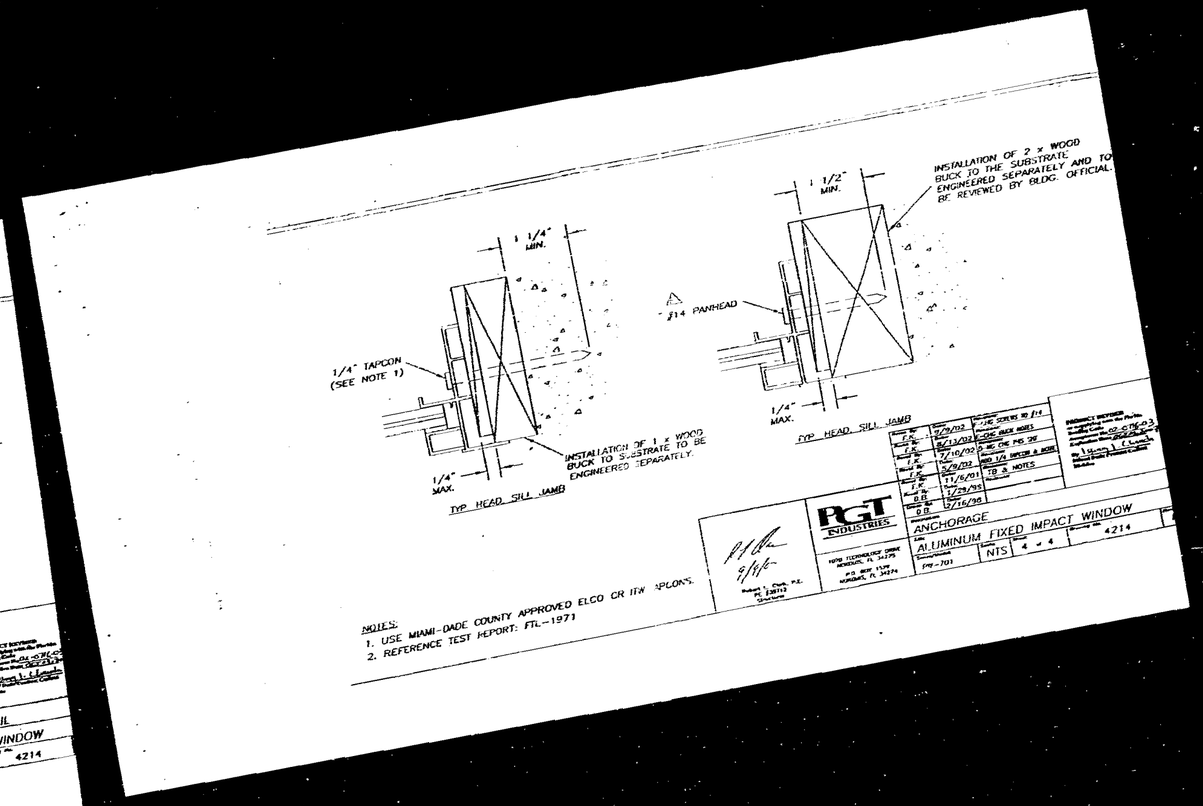
Title: EXTRUSION PROFILES & B.O.M.

ALUMINUM FIXED IMPACT WINDOW

Drawing No.: PW-701 | Scale: NTS | Sheet: 2 of 4 | Drawing No.: 4214

19

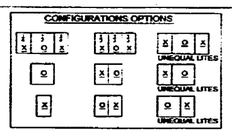

HORIZONTAL SECTION
MAX DAYLIGHT OPENING
WINDOW WIDTH - 3"
2.784
EXTERIOR
MAX WIDTH
3/16" HEAT STRENGTHENED
.090 INTERLAYER (SENTRY BY SOLUTIA
OR DUPONT W/BUTACITE)
GLAZING DETAIL
7/16" LAMINATED GLASS
7/16" GLASS SITE
EXTERIOR
MAX DAYLIGHT OPENING
WINDOW HEIGHT - 3"
MAX HEIGHT
VERTICAL SECTION
PGT INDUSTRIES
SECTIONS & GLAZING DETAIL
ALUMINUM FIXED IMPACT WINDOW
NTS
3 of 4
4214
FW-701


1 1/4" MIN.
1/4" TAPCON (SEE NOTE 1)
1/4" MAX.
INSTALLATION OF 1 x WOOD BUCK TO SUBSTRATE TO BE ENGINEERED SEPARATELY.
TYP HEAD SILL JAMB
1 1/2" MIN.
#14 PANHEAD
INSTALLATION OF 2 x WOOD BUCK TO THE SUBSTRATE ENGINEERED SEPARATELY AND TO BE REVIEWED BY BLDG. OFFICIAL.
1/4" MAX.
TYP HEAD SILL JAMB
NOTES:
1. USE MIAMI-DADE COUNTY APPROVED ELGO OR ITW SPLONS.
2. REFERENCE TEST REPORT: FTL-1971
PGT INDUSTRIES
ANCHORAGE
ALUMINUM FIXED IMPACT WINDOW
NTS
4 of 4
4214
FW-701

NOTES: LARGE MISSILE WINDOWS

1. GLAZING OPTIONS.
   A. 5/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS W/ AN .090 INNER LAYER OF SOLUTIA OR DUPONT PVB.
   B. 5/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS W/ AN .090 INNER LAYER OF SOLUTIA OR DUPONT PVB.
   C. 7/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS W/ AN .090 INNER LAYER OF SOLUTIA OR DUPONT PVB.
   D. 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS W/ AN .090 INNER LAYER OF SOLUTIA OR DUPONT PVB.
   E. 13/16" I.G. GLASS COMPRISED OF (1) LITE OF 1/8" HEAT STRENGTHENED GLASS AND (1) 5/16" LAMINATED COMPONENT WITH A 3/8" AIR SPACE. 5/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 SOLUTIA OR DUPONT INNER LAYER.
2. CONFIGURATIONS: X, XX, XO, OX, XOX, O
3. DESIGN PRESSURE RATINGS / COMPARATIVE ANALYSIS TABLES:
   A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-98 (AND ASTM E 1300-94 OUTSIDE MIAMI-DADE COUNTY).
   B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-98 (AND ASTM E 1300-94 OUTSIDE MIAMI-DADE COUNTY).
   C. DESIGN PRESSURES UNDER 40 P.S.F. NOT APPLICABLE IN MIAMI-DADE COUNTY.
   D. FOR "X" CONFIGURATIONS SEE SHEET 4.
   E. FOR "XX" CONFIGURATIONS SEE SHEET 4.
   F. FOR 3-1-3 "XOX" & "O" CONFIGURATIONS SEE SHEET 5.
   G. FOR 3-1-3 "XOX" & "XO" OR "OX" CONFIGURATIONS SEE SHEET 6.
   H. FOR UNEQUAL LITE "XOX", "XO" & "OX" CONFIGURATIONS SEE SHEET 7.
4. ANCHORAGE: SINGLE ROW OF FASTENERS LOCATED AS FOLLOWS:
   HEAD & SILL: MAX. 4" FROM CORNERS
   MAX. 4" & 7" ON EACH SIDE OF MEETING RAILS
   MAX. 14 1/2" SPACING ON VENTS
   MAX. 13" SPACING ON FIXED LITES
   (2) ANCHORS 9" APART AT MID-SPAN ON FIXED LITE ONLY
   JAMBS: MAX. 4" FROM CORNERS
   MAX. 13" SPACING
   (2) ANCHORS 3" APART AT MID-SPAN
   NOTE: 1/4" TAPCONS OR #14 SCREWS MAY BE USED AT THE ABOVE SPACING. SEE SHEETS 4, 5, 6 AND 7 FOR ALLOWABLE DESIGN PRESSURES IF USING 3/16" TAPCONS OR #12 SCREWS
5. SHUTTER REQUIREMENT: NONE REQUIRED
6. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME.
7. REFERENCE TEST REPORTS: FTL-3580, FTL-3582, FTL-3587 AND FTL-3729

CONFIGURATIONS OPTIONS



NOA DRAWING TABLE OF CONTENTS

	SHEET
NOTES	1
GLAZING DETAILS	2
ELEVATIONS	3-4
DESIGN PRESSURE TABLES	5-8
SECTIONS	9
CORNER CONSTRUCTION	10
EXTRUSION PROFILES	10-11
PARTS LIST	11
ANCHORAGE	12

PRODUCT REVIEWED
as complying with the Florida Building Code
Application No. 03-0911.02
Expiration Date: MAY 25, 2008
By: Marvell Cox
Product Approval Specialist

Revised By: F.E. 7/21/03	Date: 3/1/03	Revisions: A	REVISE ANCHORAGE NOTE 4				
Revised By: F.E.	Date: 3/25/03	Revisions: B	ADD 13/16" I.G. & MOVE GLAZING DETAILS TO SHEET 2				
Revised By: F.E.	Date: 7/10/03	Revisions: C	NO CHANGE THIS SHEET				

5710 E. OKOBOJI DRIVE
NORTH PORT, FL 34291

P.O. BOX 1659
VENICE, FL 34284

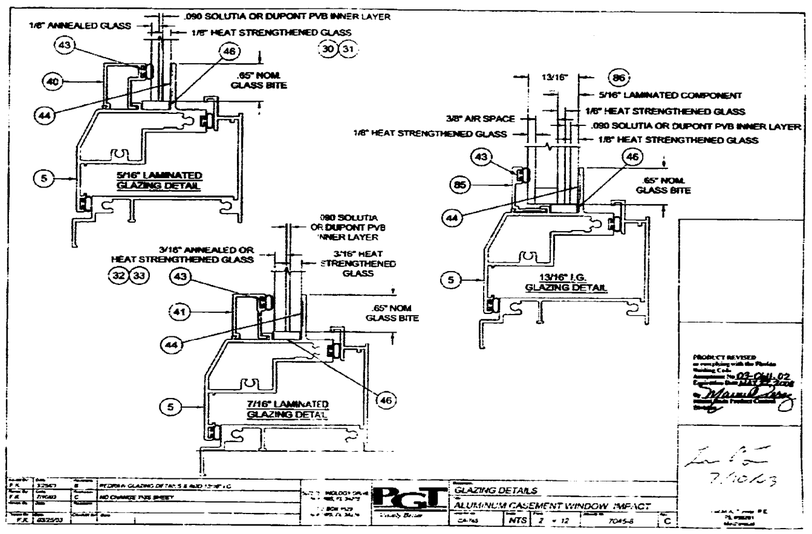
PGT Industries

NOTES AND TABLE OF CONTENTS

ALUMINUM CASEMENT WINDOW, IMPACT

Drawn By: Vitaly Bulan	Checked: CA-748	Scale: NTS	Sheet: 1 - 12	Drawing No.: 7045-8	Rev.: C

Louis A. Tanner, P.E.
FE #56201
Member/Seal



Revised By: F.E. 3/25/03	Date: 3/25/03	Revisions: B	MIAMI GLAZING DETAILS 5 & 6 ADD 13/16" I.G.				
Revised By: F.E.	Date: 7/10/03	Revisions: C	NO CHANGE THIS SHEET				

5710 E. OKOBOJI DRIVE
NORTH PORT, FL 34291

P.O. BOX 1659
VENICE, FL 34284

PGT Industries

GLAZING DETAILS

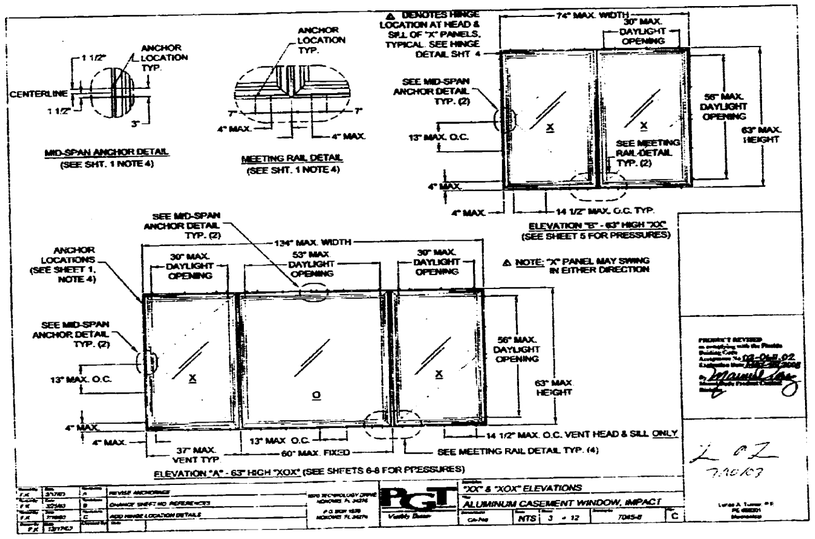
ALUMINUM CASEMENT WINDOW, IMPACT

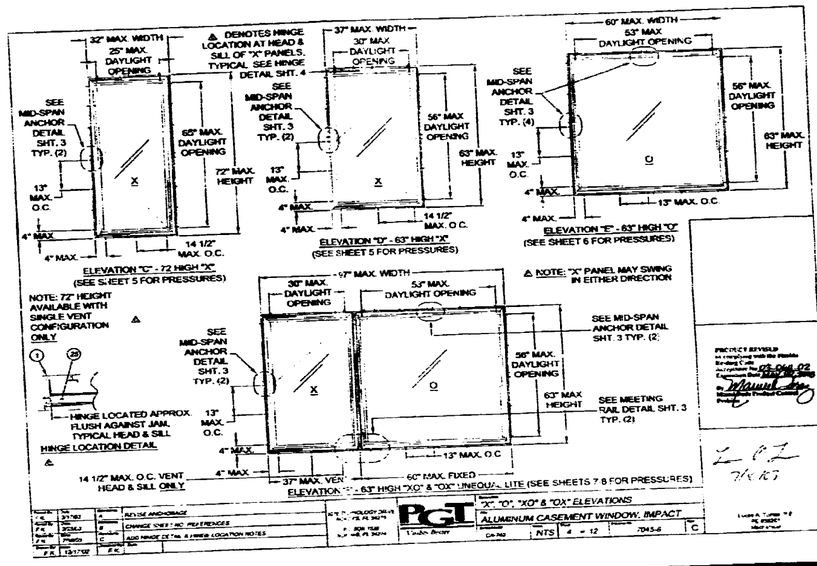
Drawn By: CA-748	Checked:	Scale: NTS	Sheet: 2 - 12	Drawing No.: 7045-8	Rev.: C

Louis A. Tanner, P.E.
FE #56201
Member/Seal

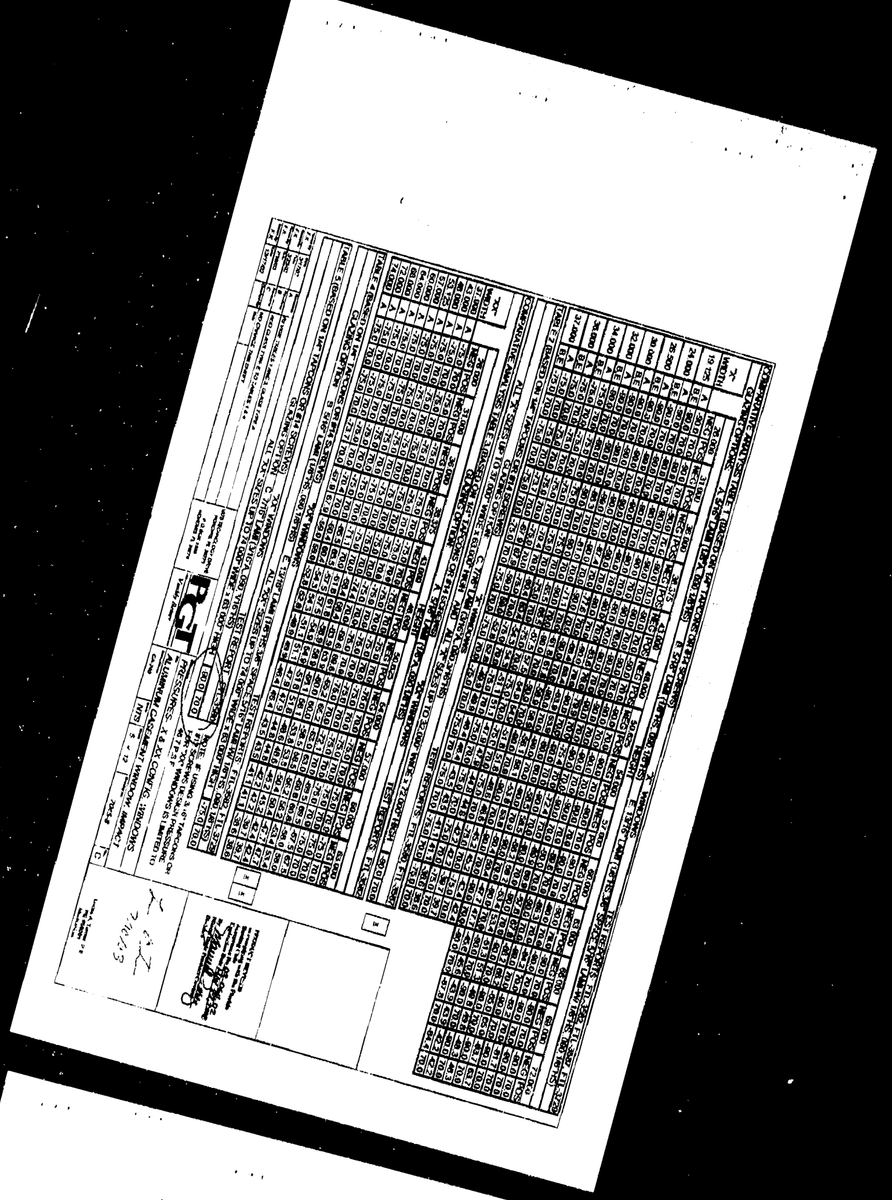
PRODUCT REVIEWED
as complying with the Florida Building Code
Application No. 03-0911.02
Expiration Date: MAY 25, 2008
By: Marvell Cox
Product Approval Specialist

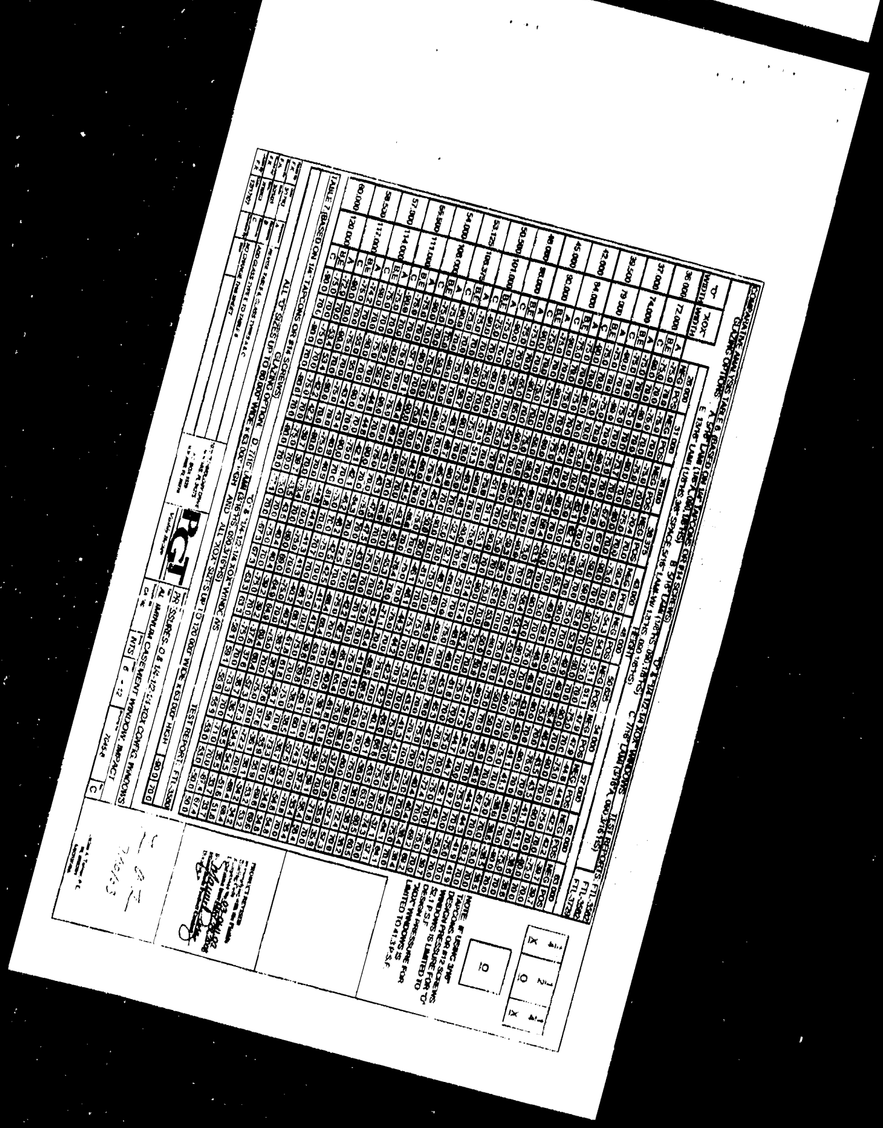
7/10/03


1 1/2"
ANCHOR LOCATION TYP.
CENTERLINE
1 1/2"
3"
MID-SPAN ANCHOR DETAIL
(SEE SHT. 1 NOTE 4)
ANCHOR LOCATION TYP.
7"
7"
4" MAX.
4" MAX.
MEETING RAIL DETAIL
(SEE SHT. 1 NOTE 4)
⚠ DENOTES HINGE LOCATION AT HEAD & SILL OF "X" PANELS, TYPICAL. SEE HINGE DETAIL SHT. 4
74" MAX. WIDTH
30" MAX. DAYLIGHT OPENING
SEE MID-SPAN ANCHOR DETAIL TYP. (2)
13" MAX. O.C.
4" MAX.
4" MAX.
X
X
SEE MEETING RAIL DETAIL TYP. (2)
56" MAX. DAYLIGHT OPENING
63" MAX. HEIGHT
14 1/2" MAX. O.C. TYP.
ELEVATION "B" - 63" HIGH "XX"
(SEE SHEET 5 FOR PRESSURES)
⚠ NOTE: "X" PANEL MAY SWING IN EITHER DIRECTION
SEE MID-SPAN ANCHOR DETAIL TYP. (2)
134" MAX. WIDTH
ANCHOR LOCATIONS (SEE SHEET 1, NOTE 4)
30" MAX. DAYLIGHT OPENING
53" MAX. DAYLIGHT OPENING
30" MAX. DAYLIGHT OPENING
SEE MID-SPAN ANCHOR DETAIL TYP. (2)
13" MAX. O.C.
4" MAX.
4" MAX.
X
O
X
56" MAX. DAYLIGHT OPENING
63" MAX. HEIGHT
37" MAX. VENT TYP
13" MAX. O.C.
60" MAX. FIXED
14 1/2" MAX. O.C. VENT HEAD & SILL ONLY
SEE MEETING RAIL DETAIL TYP. (4)
ELEVATION "A" - 63" HIGH "XOX" (SEE SHEETS 6-8 FOR PRESSURES)
PROJECT REVISED
"XX" & "XOX" ELEVATIONS
ALUMINUM CASEMENT WINDOW, IMPACT
NTS
3 - 12
7045-8
C


32" MAX. WIDTH
25" MAX. DAYLIGHT OPENING
⚠ DENOTES HINGE LOCATION AT HEAD & SILL OF "X" PANELS, TYPICAL. SEE HINGE DETAIL SHT. 4
37" MAX. WIDTH
30" MAX. DAYLIGHT OPENING
60" MAX. WIDTH
53" MAX. DAYLIGHT OPENING
SEE MID-SPAN ANCHOR DETAIL SHT. 3 TYP. (2)
65" MAX. DAYLIGHT OPENING
72" MAX. HEIGHT
13" MAX. O.C.
4" MAX.
4" MAX.
X
14 1/2" MAX. O.C.
ELEVATION "C" - 72 HIGH "X"
(SEE SHEET 5 FOR PRESSURES)
SEE MID-SPAN ANCHOR DETAIL SHT. 3 TYP. (2)
56" MAX DAYLIGHT OPENING
63" MAX. HEIGHT
13" MAX. O.C.
4" MAX.
4" MAX.
X
14 1/2" MAX. O.C.
ELEVATION "D" - 63" HIGH "X"
(SEE SHEET 5 FOR PRESSURES)
SEE MID-SPAN ANCHOR DETAIL SHT. 3 TYP. (4)
56" MAX. DAYLIGHT OPENING
63" MAX. HEIGHT
13" MAX. O.C
4" MAX.
4" MAX.
O
13" MAX. O.C
ELEVATION "E" - 63" HIGH "O"
(SEE SHEET 6 FOR PRESSURES)
⚠ NOTE: "X" PANEL MAY SWING IN EITHER DIRECTION
NOTE: 72" HEIGHT AVAILABLE WITH SINGLE VENT CONFIGURATION ONLY
⚠
HINGE LOCATED APPROX. FLUSH AGAINST JAMB, TYPICAL HEAD & SILL
HINGE LOCATION DETAIL
⚠
14 1/2" MAX. O.C. VENT HEAD & SILL ONLY
97" MAX. WIDTH
30" MAX. DAYLIGHT OPENING
53" MAX. DAYLIGHT OPENING
SEE MID-SPAN ANCHOR DETAIL TYP. (2)
13" MAX. O.C.
4" MAX.
4" MAX.
X
O
56" MAX. DAYLIGHT OPENING
63" MAX HEIGHT
37" MAX. VENT
13" MAX. O.C
60" MAX. FIXED
SEE MEETING RAIL DETAIL SHT. 3 TYP. (2)
ELEVATION "F" - 63" HIGH "XO" & "OX" UNEQUAL LITE (SEE SHEETS 7 & 8 FOR PRESSURES)
PROJECT REVISED
"X", "O", "XO" & "OX" ELEVATIONS
ALUMINUM CASEMENT WINDOW, IMPACT
NTS
4 - 12
7045-6
C

19





COMPARATIVE ANALYSIS TABLE 8 (BASED ON 1/4" TAPCONS OR #14 SCREWS) "XO" OR "OX" & "1/3-1/3-1/3 XOX" WINDOWS TEST REPORT: FTL-3582

GLAZING OPTION: A. 5/16" LAMI (1/8"A .090,1/8"HS)

"XO" WIDTH	"XOX" WIDTH		HEIGHT 36.000 NEG	POS	38.000 NEG	POS	38.000 NEG	POS	38.375 NEG	POS	43.000 NEG	POS	48.000 NEG	POS	50.625 NEG	POS	54.000 NEG	POS	57.000 NEG	POS	60.000 NEG	POS	63.000 NEG	POS
37.000	56.580	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
46.999	72.880	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
49.333	74.000	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
53.125	79.698	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
60.000	84.000	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
60.000	90.000	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-73.9	70.0	-71.8	70.0	-67.7	67.7	-64.8	64.8	-62.7	62.7	-60.8	60.8	-59.4	60.4
64.999	90.000	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-68.4	68.4	-65.3	65.3	-63.0	63.0	-61.0	61.0	-59.5	59.5
67.333	101.898	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-71.1	70.0	-69.0	70.0	-64.9	64.9	-62.0	62.0	-59.8	59.8	-58.0	58.0	-56.6	56.6
70.917	106.375	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-73.0	70.0	-70.9	70.0	-66.8	66.8	-63.9	63.9	-61.8	61.8	-59.9	59.9	-58.5	58.5
72.000	108.000	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-73.5	70.0	-71.4	70.0	-67.3	67.3	-64.4	64.4	-62.3	62.3	-60.4	60.4	-59.0	59.0
74.000	111.000	A	-75.0	70.0	-75.0	70.0	-73.7	70.0	-67.9	67.9	-66.0	66.0	-62.9	62.9	-60.8	60.8	-58.0	58.0	-56.0	56.0	-54.4	54.4	-53.2	53.2

TABLE 9. (BASED ON 1/4" TAPCONS OR #14 SCREWS) "XO" or "OX" & "1/3-1/3-1/3 XOX" WINDOWS REPORTS: FTL-3582, FTL-3729

GLAZING OPTIONS: B. 5/16" LAMI (1/8"HS,.030,1/8"HS) E. 13/16" LAMI (1/8"HS,.090" SPACE,5/16" LAMI-W/ 1/8"HS, .090, 1/8"HS)

ALL "XO" OR "OX" SIZES UP TO 74.000" WIDE x 63.000"HIGH AND ALL "1/3-1/3-1/3 XOX" SIZES UP TO 111.000" WIDE x 63.000" HIGH | -75.0 | 70.0

TABLE 10. (BASED ON 1/4" TAPCONS OR #14 SCREWS) "XO" or "OX" & "1/3-1/3-1/3 XOX" WINDOWS TEST REPORT: FTL-3580

GLAZING OPTION: C. 7/16" LAMI (2/1/4"A .060-3/16"HS)

ALL "XO" OR "OX" SIZE UP TO 74.000" WIDE x 63.000" HIGH AND ALL "1/3-1/3-1/3 XOX" SIZES UP TO 111.000" WIDE x 81.000" HIGH | -90.0 | 70.0

NOTE: IF USING 3/16" TAPCONS OR #12 SCREWS DESIGN PRESSURE FOR "XO" OR "OX" AND "XOX" WINDOWS IS LIMITED TO 41.3 P.S.F.

PROJECT REVIEWED as an addition to the Florida Building Code, Product Approval Program Approval Number 03-0911.07 Expiration Date: 09-30-08 Miami-Dade County

P.E.	31763	A	REVISE TABLE 8, GLASS TYPE A	PGT Visibly Better	PRESSURES- XO, OX, & 1/3-1/3-1/3 XOX WINDOWS
P.E.	32549	B	ADD GLASS TYPE E TO TABLE 8		ALUMINUM CASEMENT WINDOW, IMPACT
P.E.	31920	C	NO CHANGE THIS SHEET	On File	NTS 7 = 12 7045-8 C
P.E.	12/17/02	Date	Sign		

WPS TECHNOLOGY DRIVE HOPKINS, FL 34272 P.O. BOX 1628 ROMEO, FL 34274

Lucas A. Tanner P.E. PE #58381 Registered

7/16/03

IX | IO | IX

IX | IO

IO | IX

COMPARATIVE ANALYSIS TABLE 11 (BASED ON 1/4" TAPCONS OR #14 SCREWS) "XO" or "OX" & "XOX" UNEQUAL LITE WINDOWS TEST REPORTS FTL-3580, FTL-3582, FTL-3729

GLAZING OPTIONS: A. 5/16" LAMI (1/8"A .090,1/8"HS) B. 5/16" LAMI (1/8"HS, .090,1/8"HS) C. 7/16" LAMI (3/16 A .090 3/16"HS)

E. 13/16" LAMI (1/8"HS,.045" SPACE,5/16" LAMI-W/ 1/8"HS, .090, 1/8"HS)

"XOX" WIDTH	VENT WIDTH	FIXED WIDTH		HEIGHT 26.000 NEG	POS	36.000 NEG	POS	38.375 NEG	POS	43.000 NEG	POS	48.000 NEG	POS	50.625 NEG	POS	54.000 NEG	POS	57.000 NEG	POS	60.000 NEG	POS	63.000 NEG	POS
69.264	19.125	31.014	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-74.1	70.0	-64.9	64.9	-60.6	60.6	-58.1	58.1	-56.1	56.1	-53.3	53.3	-50.5	50.5
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
86.919	24.000	38.919	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-69.1	69.1	-63.4	63.4	-57.3	57.3	-55.1	55.1	-53.2	53.2	-51.6	51.6	-49.7	49.7
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
95.973	26.500	42.973	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
108.649	30.000	48.649	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
115.892	32.000	51.892	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-84.7	70.0	-79.5	70.0	-73.8	73.8	-69.1	69.1	-65.3	65.3
122.000	33.687	54.627	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-78.6	70.0	-73.2	70.0	-68.3	68.3	-64.8	64.8	-61.4	61.4
			A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-78.6	70.0	-73.2	70.0	-68.3	68.3	-64.8	64.8	-61.4	61.4
123.135	34.000	55.135	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-85.6	70.0	-74.0	70.0	-69.4	69.4	-64.7	64.7	-61.0	61.0	-58.4	58.4
			A	-75.0	70.0	-46.8	46.8	-43.6	43.6	-47.9	47.9	-44.3	44.3	-42.4	42.4	-41.1	41.1	-39.3	39.3	-37.3	37.3	-36.5	36.5
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-74.8	70.0	-71.0	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-85.6	70.0	-73.1	70.0	-68.8	68.8	-64.1	64.1	-60.5	60.5	-57.9	57.9
			A	-75.0	70.0	-46.5	46.5	-42.9	42.9	-46.7	46.7	-43.1	43.1	-41.8	41.8	-40.2	40.2	-38.7	38.7	-36.9	36.9	-36.0	36.0
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-73.7	70.0	-70.1	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-85.6	70.0	-71.3	70.0	-67.3	67.3	-62.5	62.5	-59.2	59.2	-56.5	56.5
			A	-74.4	70.0	-43.6	43.6	-41.2	41.2	-45.1	45.1	-41.5	41.5	-40.4	40.4	-38.9	38.9	-37.7	37.7	-36.2	36.2	-34.3	34.3
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	78.0	-72.4	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-85.6	70.0	-69.3	69.3	-65.5	65.5	-60.8	60.8	-57.6	57.6	-54.7	54.7
130.378	36.000	56.378	A	-74.3	70.0	-43.5	43.5	-41.0	41.0	-45.0	45.0	-41.4	41.4	-40.3	40.3	-38.8	38.8	-37.6	37.6	-36.1	36.1	-34.3	34.3
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-73.3	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-85.6	70.0	-69.1	69.1	-65.1	65.1	-60.5	60.5	-57.4	57.4	-54.6	54.6
			A	-72.9	70.0	-42.7	42.7	-40.4	40.4	-44.2	44.2	-40.7	40.7	-39.7	39.7	-38.2	38.2	-37.1	37.1	-35.7	35.7	-33.9	33.7
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-73.3	70.0	-71.0	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-85.6	70.0	-67.3	67.3	-63.3	63.3	-59.1	59.1	-55.9	55.5	-54.0	53.0
134.000	37.000	60.000	A	-72.9	70.0	-42.7	42.7	-40.4	40.4	-44.2	44.2	-40.7	40.7	-39.7	39.7	-38.2	38.2	-37.1	37.1	-35.7	35.7	-33.9	33.7
			B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-73.3	70.0	-71.0	70.0
			C	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-85.6	70.0	-67.3	67.3	-63.3	63.3	-59.1	59.1	-55.9	55.5	-54.0	53.0

"XO" & "OX" WINDOW WIDTHS EQUAL THE SUM OF THE VENT WIDTH AND THE FIXED WIDTH

TABLE 12. (BASED ON 1/4" TAPCONS OR #14 SCREWS) "XO" or "OX" & "XOX" UNEQUAL LITE WINDOWS TEST REPORT: FTL-3580

GLAZING OPTION: D. 7/16" LAMI (3/16"HS, .090,3/16"HS)

ALL "XOX" SIZES UP TO 134.000" WIDE x 63.000" HIGH WITH 37.000" MAX. VENT WIDTH AND 60.000" MAX. FIXED WIDTH AND ALL "XO" or "OX" SIZES UP TO 97.000" WIDE x 63.000" HIGH WITH 37.000" MAX. VENT WIDTH AND 60.000" MAX. FIXED WIDTH | -90.0 | 70.0

NOTE: IF USING 3/16" TAPCONS OR #12 SCREWS DESIGN PRESSURE FOR "XO" OR "OX" AND "XOX" WINDOWS IS LIMITED TO 41.3 P.S.F.

P.E.	31763	A	REVISE TABLE 11, GLASS TYPES A & C	PGT Visibly Better	PRESSURES- UNEQUAL CONFIG. XC, OX & XOX
P.E.	32549	B	ADD GLASS TYPE E TO TABLE 11		ALUMINUM CASEMENT WINDOW, IMPACT
P.E.	31920	C	NO CHANGE THIS SHEET	GA Tec	NTS 8 = 12 7045-8 C
P.E.	12/17/02	Date	Sign		

WPS TECHNOLOGY DRIVE HOPKINS, FL 34274 P.O. BOX 1628 ROMEO, FL 34274

Lucas A. Tanner P.E. PE #58381 Registered

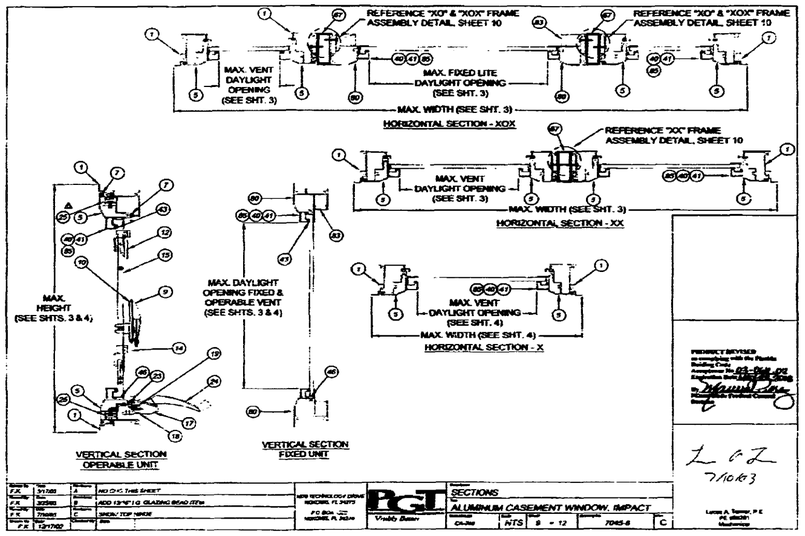
7/16/03

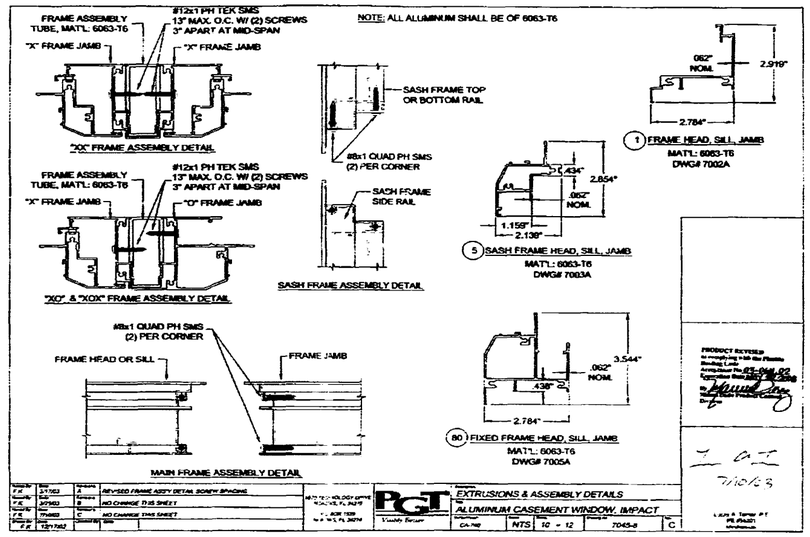
UNEQUAL LITES

IX | IO | IX

IX | IO

IO | IX


REFERENCE "XO" & "XOX" FRAME ASSEMBLY DETAIL, SHEET 10
MAX. VENT DAYLIGHT OPENING (SEE SHT. 3)
MAX. FIXED LITE DAYLIGHT OPENING (SEE SHT. 3)
MAX. WIDTH (SEE SHT. 3)
HORIZONTAL SECTION - XOX
REFERENCE "XO" & "XOX" FRAME ASSEMBLY DETAIL, SHEET 10
REFERENCE "OO" FRAME ASSEMBLY DETAIL, SHEET 10
MAX. VENT DAYLIGHT OPENING (SEE SHT. 3)
MAX. WIDTH (SEE SHT. 3)
HORIZONTAL SECTION - XX
MAX. VENT DAYLIGHT OPENING (SEE SHT. 4)
MAX. WIDTH (SEE SHT. 4)
HORIZONTAL SECTION - X
MAX. HEIGHT (SEE SHTS. 3 & 4)
VERTICAL SECTION OPERABLE UNIT
MAX. DAYLIGHT OPENING FIXED & OPERABLE VENT (SEE SHTS. 3 & 4)
VERTICAL SECTION FIXED UNIT
PRODUCT REVISED
Lonnie A. Tanner, P.E.
FL #56281
PGT Visibly Better
SECTIONS
ALUMINUM CASEMENT WINDOW, IMPACT
NTS
9 - 12
7045-8
C


FRAME ASSEMBLY TUBE, MATL: 6063-T6
#12x1 PH TEK SMS 13" MAX. O.C. W/ (2) SCREWS 3" APART AT MID-SPAN
"X" FRAME JAMB
"XO" FRAME ASSEMBLY DETAIL
#8x1 QUAD PH SMS (2) PER CORNER
SASH FRAME TOP OR BOTTOM RAIL
SASH FRAME SIDE RAIL
SASH FRAME ASSEMBLY DETAIL
"O" FRAME JAMB
"XO" & "XOX" FRAME ASSEMBLY DETAIL
NOTE: ALL ALUMINUM SHALL BE OF 6063-T6
.062" NOM.
2.916"
2.784"
1 FRAME HEAD, SILL, JAMB
MATL: 6063-T6
DWG# 7002A
.434"
2.854"
.062" NOM.
1.158"
2.136"
5 SASH FRAME HEAD, SILL, JAMB
MATL: 6063-T6
DWG# 7003A
#8x1 QUAD PH SMS (2) PER CORNER
FRAME HEAD OR SILL
FRAME JAMB
MAIN FRAME ASSEMBLY DETAIL
3.544"
.062" NOM.
.438"
2.784"
80 FIXED FRAME HEAD, SILL, JAMB
MATL: 6063-T6
DWG# 7005A
PRODUCT REVISED
Lonnie A. Tanner, P.E.
FL #56281
PGT Visibly Better
EXTRUSIONS & ASSEMBLY DETAILS
ALUMINUM CASEMENT WINDOW, IMPACT
NTS
10 - 12
7045-8
C

PARTS LIST

ITEM #	DWG #	PGT #	DESCRIPTION
1	7007A		MAIN FRAME -16FT/4FT SILL & JAMBS
2	1111		#12 X 1 QUAD PH SMS
3	7008		FRAME GASKET & KEY
4	7005A	781P0A	1/2"X1/2"X1/8" CLOSED CELL FOAM TAPE
5	1112	8781P0	WASH - 1/2IP, BOTTOM & SIDE FLNG'S
6	7023		CASH CORNER LOCK
7	7022		#8 X 1 FLATHD PH SMS
8	7025		SILL & WEATHERSTRIP 1.875"X.240
9	7024		CASH CORNER KEY
10			SILL & WEATHERSTRIP PK TY
11	7014	781WPSMS	#8 X 3/4" SQ DR PH SMS
12	1117		TIE ROD OR BAR
13	7013		TIE BAR ASSEMBLY
14	7013		HANDLE(S) OPERATOR
15	7032		HANDLE(S) ARM OPERATOR
16	7027		HANDLE(S) ARM
17	7038		OPERATOR GASKET
18	7037		BACKING PLATE
19	7012		#8 X 1" TP PH PH TYPE B
20	7037	782W2A	#8 X 1" TP PH PH TYPE B
21	7011		STUD BRACKET (R.H. & L.H.)
22	7031		#8 X 3/4" PH PH SMS
23	7032		OPERATOR TRACK & SLIDER (DIAL ARM)
24	7033	1184122FF	OPERATOR ROLLER
25			CRANK ARM (DIAL ARM)
26			CRANK-OUT HANDLE
27			1/2" HINGE (DIAL ARM)
28			#8 X 3/4" PH PH SMS
29			1/4" LAMINATED (1/8+0.060+1/8) LSE (GLASS)
30			1/4" LAMINATED (1/8+0.090+1/8) DUPONT PVB
31			2MM INNER LAYER - SOLUTIA OR DUPONT PVB
32			3/16" LAMINATED (5/32+0.090+5/32) LSE (GLASS)
33			3MM INNER LAYER - SOLUTIA OR DUPONT PVB
34			7/16" LAMINATED (3/16+0.090+3/16) LSE (GLASS)
35			3MM INNER LAYER - SOLUTIA OR DUPONT PVB
36			9/16" LAMINATED (3/16+0.090+3/16+0.090+3/16)
37			3MM INNER LAYER - SOLUTIA OR DUPONT PVB
38			1/2" LAMINATED (1/8+0.060+1/8+0.060+1/8)
39			2MM INNER LAYER - SOLUTIA OR DUPONT PVB
40	7036		GLAZING BEAD (5/16" LSE)
41	1724	81P2S7	5/8" X 7/16" - SKYN CUSHION, BPR OR TPE
42			PARAMOUNT
43	6434	6461K	SETTING BLOCK
44			SCREEN FRAME
45	7006		SCREEN CORNER KEY
46			SCREEN CLOTH
47	7048		SCREEN SPLINE - SERRATED
48			SCREEN SPLINE SCREEN CLIP
49	1611	6467K	CASEMENT SCREEN - LSE
50	111	7811SP1 W/E	#8 X .380 SQ PH TCS - LSE
51			CASEMENT FRAME ASSY - TUBE
52	7004A	81P0A	CASEMENT FRAME TEE
53		712X1PPT	HTT X 7/16 PHS - TES
54			LOCK SUPPORT PLATE
55	7011		LOCK 12X3/8
56	7012	711572	SNAP-ON ESCUTCHEON ROSE
57	7019	718DWO	ROLLERS, HANDLE
72	7008		

ITEM #	DWG #	PGT #	DESCRIPTION
73	7013		HANDLE LOCK
74	7014		HANDLE LOCK KEEPER
77		780343	#8 X 1" SQ DR PH SMS
80	7007A	781P0A	#8 X 1" OV HD PH SMS
81	1111		#8 X 1" FLAT HD PH SMS
82	7019		SCREEN CORNER KEY
83	7007		INSTALLATION HOLE COVER
84	7047		13/16" GLAZING BEAD (5/16" LSE)
		81P0A7	GLAZING BEAD (5/16" LSE) FOR SPACE 2-3/4" MITERED
			13/16" O.G. GLASS (1/8"+0.090"+1/8") GLASS WITH AN
			0.090" LAMI'D LITES OF 1/8"TH GLASS WITH AN
			0.090" INNER LAYER - SOLUTIA OR DUPONT PVB

.706" .050" .865" — (40) 5/16" GLAZING BEAD — MATL: 6063-T6 — DWG# 7036

.865" .286" .047" — (83) INSTALLATION HOLE COVER — MATL: 6063-T5 — DWG# 7007

.172" .870" .050" .580" — (84) 13/16" GLAZING BEAD — MATL: 6063-T6 — DWG# 7047

.523" .050" .865" — (41) 7/16" GLAZING BEAD — MATL: 6063-T6 — DWG# 7042

1.124" .125" 2.701" .062" .093" — (57) CASEMENT FRAME ASSEMBLY TUBE — MATL: 6063-T6 — DWG# 7004A

.040" 1.000" .423" — (50) CASEMENT SCREEN FRAME — MATL: 6063-T6 — DWG# 7006

PRODUCT APPROVED
Miami-Dade County
Application No. 03-0911.02
Expiration Date: 12/31/08
By: Manuel Perez
Product Control Examiner

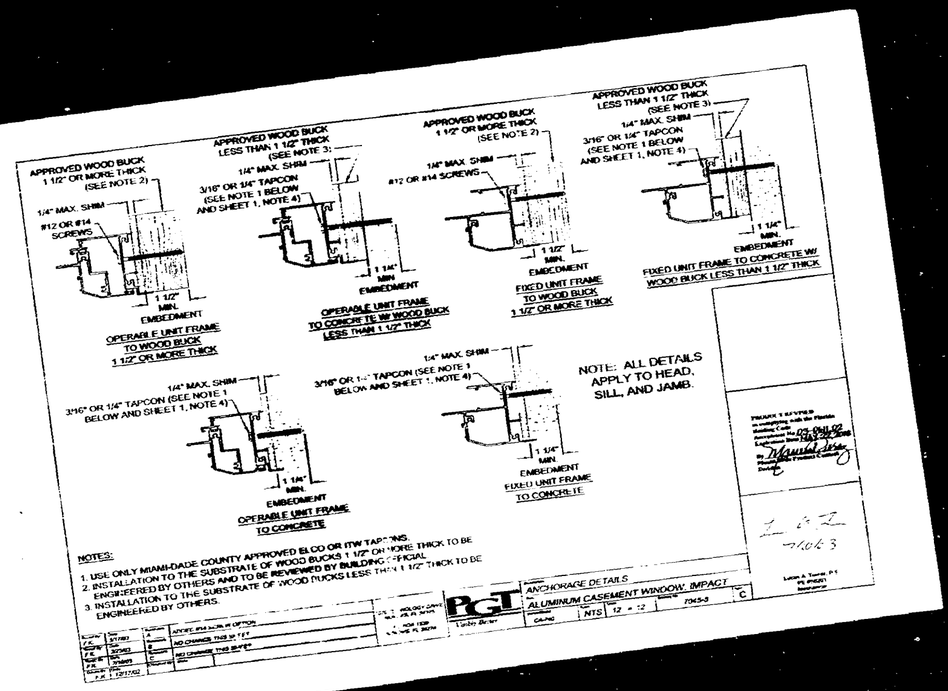
PRODUCT REVIEWED
In compliance with the Florida Building Code
Application No. 03-0911.02
Approval Date: 12/31/08
By: Manuel Perez
Product Control Examiner

7-6-2
7043

Lazaro A. Tuero, P.E.
FL #58201
MIAMI-DADE

SUN TECHNOLOGY DRIVE NORTH, FL 34251	PGT Vistadry Decor	PARTS LIST & EXTRUSIONS	
P.O. BOX 1529 VENICE, FL 34284		ALUMINUM CASEMENT WINDOW, IMPACT	
		CA-NO	NTS 11 x 17	7045-8	C

Drawn by: SM 8/7/03	A	NO DIM'S THIS SHEET	
Eng. Approval: 8/7/03	B	ADD 5 MORE I.G. GLASS & GLAZING BEAD	
Rev. Approval: 8/7/03	C	NO CHANGE THIS SHEET	
Eng. #: 12017402			

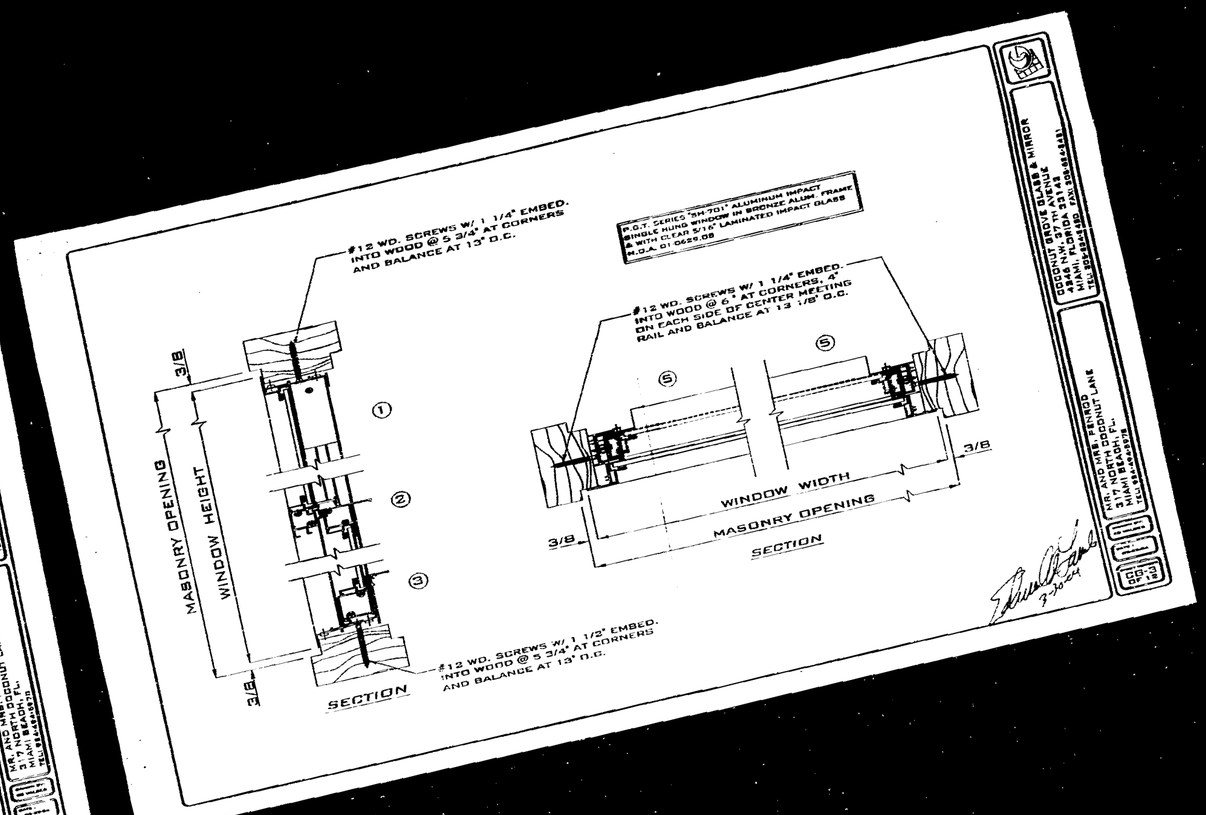


NOTES:
1. USE ONLY MIAMI-DADE COUNTY APPROVED ELCO OR ITW TAPCONS.
2. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS 1 1/2" OR MORE THICK TO BE ENGINEERED BY OTHERS AND TO BE REVIEWED BY BUILDING OFFICIAL.
3. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS LESS THAN 1 1/2" THICK TO BE ENGINEERED BY OTHERS.

PGT Vistadry Decor	ANCHORAGE DETAILS		
	ALUMINUM CASEMENT WINDOW, IMPACT		
CA-NO	NTS 12 x 17	7045-9	C

Drawn by: SM 8/7/03	A	APPVD. #12 SCRS, W/ OPTION	
Eng. Approval: 8/7/03	B	NO CHANGE THIS SHEET	
Rev. Approval: 8/7/03	C		
Eng. #: 12017402			

37 3/4
MASONRY OPENING
37
WINDOW WIDTH
3/8
60 3/4
MASONRY OPENING
60
WINDOW HEIGHT
A ELEVATION 5 - REQUIRED
37 3/4
MASONRY OPENING
37
WINDOW WIDTH
55 1/2
MASONRY OPENING
54 3/4
WINDOW HEIGHT
B ELEVATION 1 - REQUIRED
74 3/4
MASONRY OPENING
74
TOTAL WINDOW UNIT WIDTH
37
WINDOW WIDTH
81 3/8
MASONRY OPENING
80 5/8
WINDOW HEIGHT
1"x4" Alum Mullion
D ELEVATION 2 - REQUIRED
36 3/4
MASONRY OPENING
36
WINDOW WIDTH
49 1/2
MASONRY OPENING
48 3/4
WINDOW HEIGHT
D ELEVATION 1 - REQUIRED
P.G.T. 1.4 x 4" SEC. WELD ALUM. TUBE CLIPPED KINGDOM IN BRONZE ALUM. FRAME N.O.A. 00-0911.08
P.G.T. SERIES "PGT-701" ALUMINUM IMPACT SINGLE HUNG WINDOW IN BRONZE ALUM. FRAME WITH CLEAR 5/16" LAMINATED IMPACT GLASS N.O.A. 01-0628.08
COCONUT GROVE GLASS & MIRROR
3255 N.W. 21 AVENUE
MIAMI, FLORIDA 33142
TEL: 305-634-4383 FAX: 305-634-4385
MR. AND MRS. FENNOD
MR. NORTH DOGNUT LANE
SUNNY BEACH, FL.
TEL: 954-449-6281
CO 04-1250
SHT 1 OF 1 SHTS


#12 WD. SCREWS W/ 1 1/4" EMBED. INTO WOOD @ 5 3/4" AT CORNERS AND BALANCE AT 13" O.C.
P.G.T. SERIES "PGT-701" ALUMINUM IMPACT SINGLE HUNG WINDOW IN BRONZE ALUM. FRAME WITH CLEAR 5/16" LAMINATED IMPACT GLASS N.O.A. 01-0628.08
#12 WD. SCREWS W/ 1 1/4" EMBED. INTO WOOD @ 6" AT CORNERS, 4" ON EACH SIDE OF CENTER MEETING RAIL AND BALANCE AT 13 1/8" O.C.
3/8
MASONRY OPENING
WINDOW HEIGHT
WINDOW WIDTH
SECTION
#12 WD. SCREWS W/ 1 1/2" EMBED. INTO WOOD @ 5 3/4" AT CORNERS AND BALANCE AT 13" O.C.
SECTION
COCONUT GROVE GLASS & MIRROR
3255 N.W. 21 AVENUE
MIAMI, FLORIDA 33142
TEL: 305-634-4383 FAX: 305-634-4385
MR. AND MRS. FENNOD
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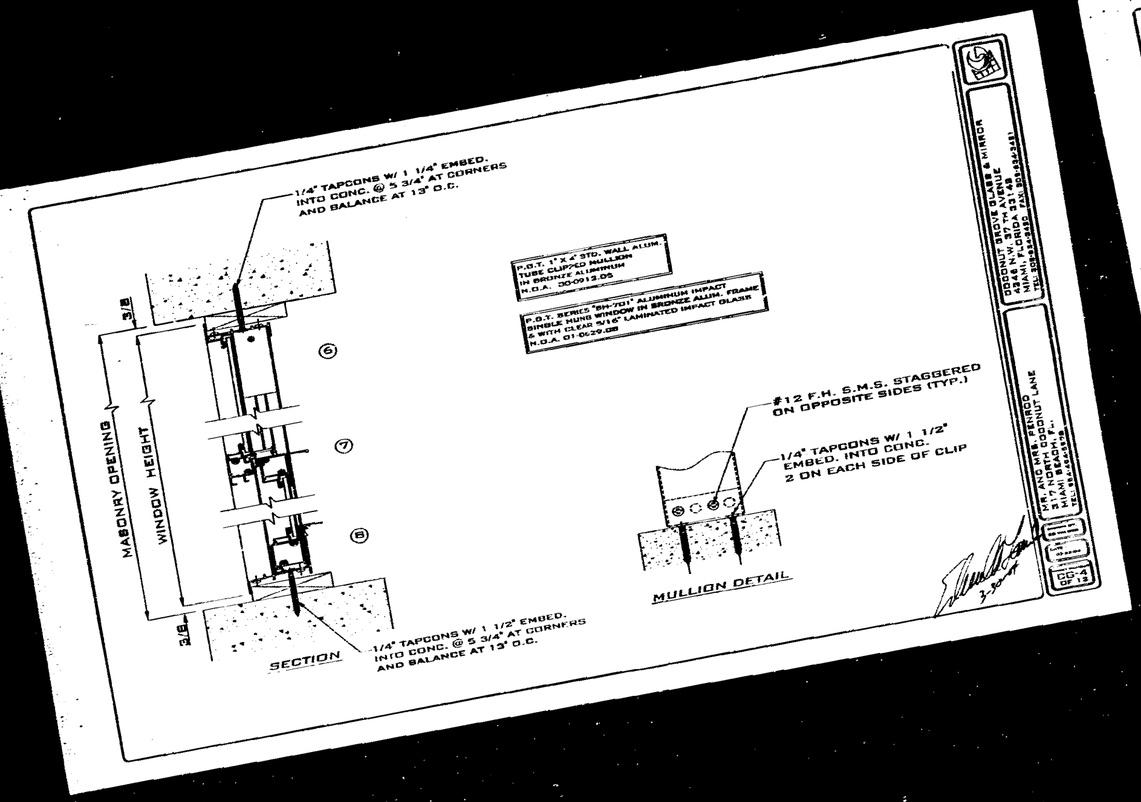
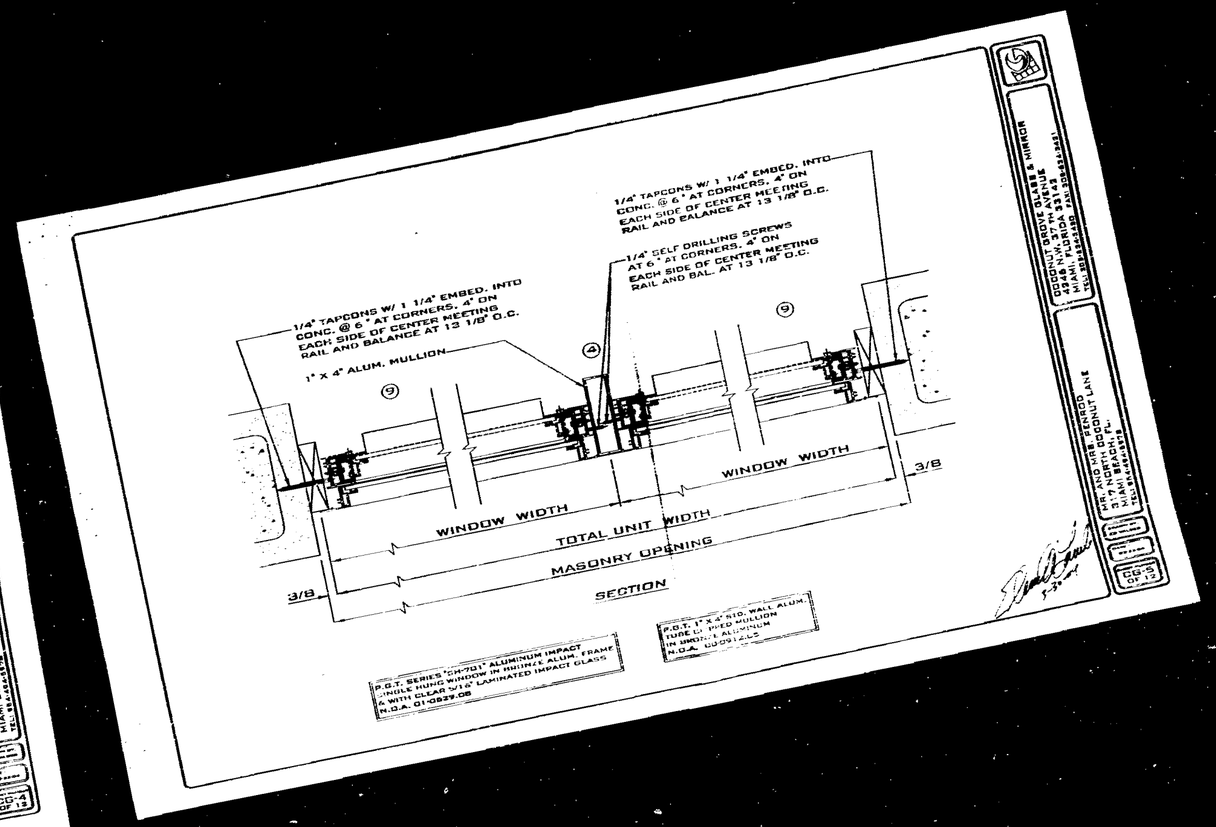
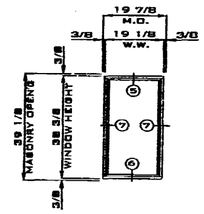
SUNNY BEACH, FL.
TEL: 954-449-6281
CO 04-1250
SHT 1 OF 1 SHTS

19


1/4" TAPCONS W/ 1 1/4" EMBED. INTO CONC. @ 5 3/4" AT CORNERS AND BALANCE AT 13" O.C.
P.G.T. 1" X 4" STD. WALL ALUM. TUBE CLIPPED MULLION IN BRONZE ALUMINUM N.O.A. 00-0912.05
P.G.T. SERIES "WH-701" ALUMINUM IMPACT SINGLE HUNG WINDOW IN BRONZE ALUM. FRAME A WITH CLEAR 9/16" LAMINATED IMPACT GLASS N.O.A. 01.0529.08
#12 F.H. S.M.S. STAGGERED ON OPPOSITE SIDES (TYP.)
1/4" TAPCONS W/ 1 1/2" EMBED. INTO CONC. 2 ON EACH SIDE OF CLIP
MULLION DETAIL
MASONRY OPENING
WINDOW HEIGHT
3/8
1/4" TAPCONS W/ 1 1/2" EMBED. INTO CONC. @ 5 3/4" AT CORNERS AND BALANCE AT 13" O.C.
SECTION
COCONUT GROVE GLASS & MIRROR
3126 N.W. 167th AVENUE
MIAMI, FLORIDA 33145
TEL: 305-624-6820 FAX: 305-624-6821
MR. AND MRS. FERROD
21 74 NORTH COCONUT LANE
MIAMI BEACH, FL.
TEL: 954-624-6820
CG-5
OF 13
CG-5
OF 13A

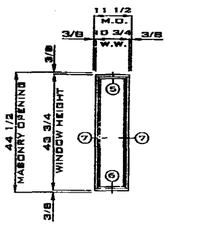

1/4" TAPCONS W/ 1 1/4" EMBED. INTO CONC. @ 6" AT CORNERS, 4" ON EACH SIDE OF CENTER MEETING RAIL AND BALANCE AT 13 1/8" O.C.
1" X 4" ALUM. MULLION
1/4" SELF DRILLING SCREWS AT 6" AT CORNERS, 4" ON EACH SIDE OF CENTER MEETING RAIL AND BAL. AT 13 1/8" O.C.
WINDOW WIDTH
WINDOW WIDTH
TOTAL UNIT WIDTH
MASONRY OPENING
3/8
3/8
SECTION
P.G.T. SERIES "SH-701" ALUMINUM IMPACT SINGLE HUNG WINDOW IN MILL FINISH ALUM. FRAME A WITH CLEAR 1/16" LAMINATED IMPACT GLASS N.O.A. 01.0529.08
P.G.T. 1" X 4" STD. WALL ALUM. TUBE CLIPPED MULLION IN MILL FINISH ALUMINUM N.O.A. 00-0912.05
COCONUT GROVE GLASS & MIRROR
3126 N.W. 167th AVENUE
MIAMI, FLORIDA 33145
TEL: 305-624-6820 FAX: 305-624-6821
MR. AND MRS. FERROD
21 74 NORTH COCONUT LANE
MIAMI BEACH, FL.
TEL: 954-624-6820
CG-5
OF 13

19

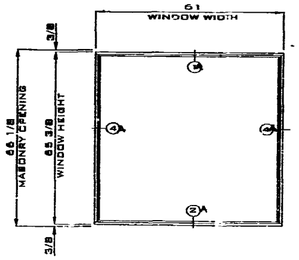


E ELEVATION 1 - REQUIRED

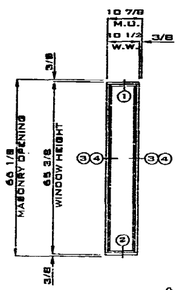
P.G.T. SERIES "PW-701" ALUMINUM FIXED IMPACT WINDOW IN BRONZE ALUM. FRAME & WITH CLEAR 9/16" LAMINATED IMPACT GLASS
M.O.A. 02-0716.03 & 01-0102.01 (6 window)



F ELEVATION 2 - REQUIRED



G ELEVATION 1 - REQUIRED



H ELEVATION 2 - REQUIRED

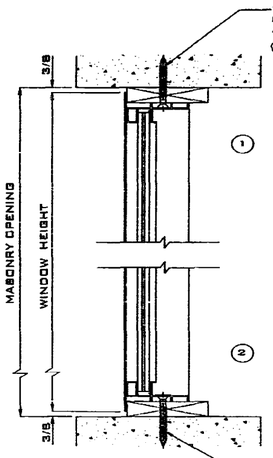
DOOONUT GROVE GLASS & MIRROR
4946 N.W. 37TH AVENUE
MIAMI, FLORIDA 33142
TEL: 305-634-2435 FAX: 305-634-2481

MR. AND MRS. FENROD
317 NORTH DOOONUT LANE
MIAMI BEACH, FL.
TEL: 864-464-6978

CG-6
OF 15

1/4" TAPCONS W/ 1 1/4" EMBED. INTO CONC. @ 6 1/4" AT CORNERS AND BALANCE AT 17" O.C.

1A 3/16" TAPCONS W/ 1 1/4" EMBED INTO CONC @ 6 1/2" @ CORNERS & BAL @ 12" O.C. (FOR "G" WINDOW)



SECTION

1/4" TAPCONS W/ 1 1/4" EMBED. INTO CONC. @ 6 1/4" AT CORNERS AND BALANCE AT 17" O.C.

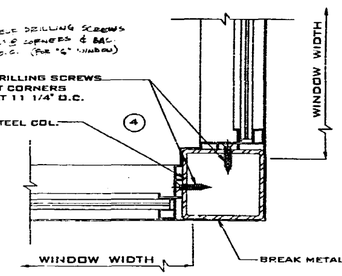
2A ANCHORS SAME AS 1A (FOR "G" WINDOW)

P.G.T. SERIES "PW-701" ALUMINUM FIXED IMPACT WINDOW IN BRONZE ALUM. FRAME & WITH CLEAR 9/16" LAMINATED IMPACT GLASS
M.O.A. 02-0716.03 & 01-0102.01 (6 window)

4A 3/16" SELF DRILLING SCREWS @ 6 3/8" @ CORNERS & BAL @ 12" O.C. (FOR "G" WINDOW)

1/4" SELF DRILLING SCREWS AT 6 3/4" AT CORNERS AND BAL. AT 11 1/4" O.C.

EXISTING STEEL COL.



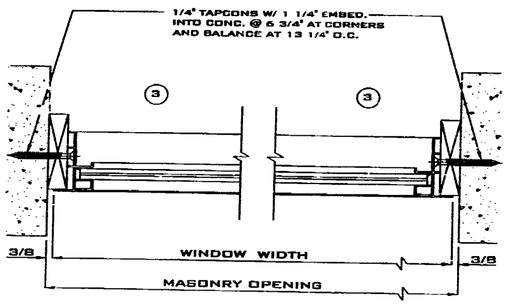
PLAN SECTION

DOOONUT GROVE GLASS & MIRROR
4946 N.W. 37TH AVENUE
MIAMI, FLORIDA 33142
TEL: 305-634-2435 FAX: 305-634-2481

MR. AND MRS. FENROD
317 NORTH DOOONUT LANE
MIAMI BEACH, FL.
TEL: 864-464-6978

CG-7
OF 15

19



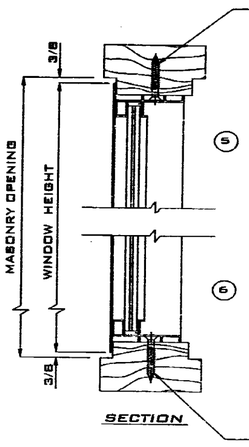
PLAN SECTION

P.G.T. SERIES "PW-701" ALUMINUM FIXED IMPACT WINDOW IN BRONZE ALUM. FRAME & WITH CLEAR 7/16" LAMINATED IMPACT GLASS N.O.A. 02-0716.03

ODONUT GROVE GLASS & MIRROR
4848 N.W. 37TH AVENUE
MIAMI, FLORIDA 33142
TEL: 305-634-6393 FAX: 305-634-8481

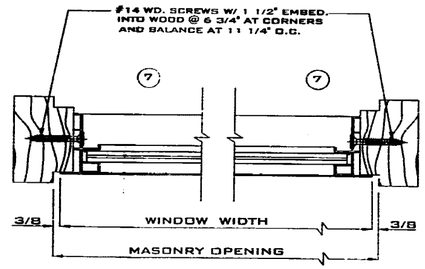
MR. AND MRS. PENROD
317 NORTH ODONUT LANE
MIAMI BEACH, FL.
TEL: 954-454-8978

DO-9
OF 19



SECTION

P.G.T. SERIES "PW-701" ALUMINUM FIXED IMPACT WINDOW IN BRONZE ALUM. FRAME & WITH CLEAR 7/16" LAMINATED IMPACT GLASS N.O.A. 02-0716.03



PLAN SECTION

ODONUT GROVE GLASS & MIRROR
4848 N.W. 37TH AVENUE
MIAMI, FLORIDA 33142
TEL: 305-634-6393 FAX: 305-634-8481

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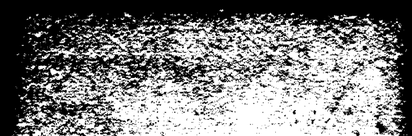
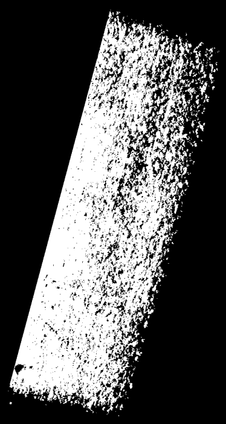
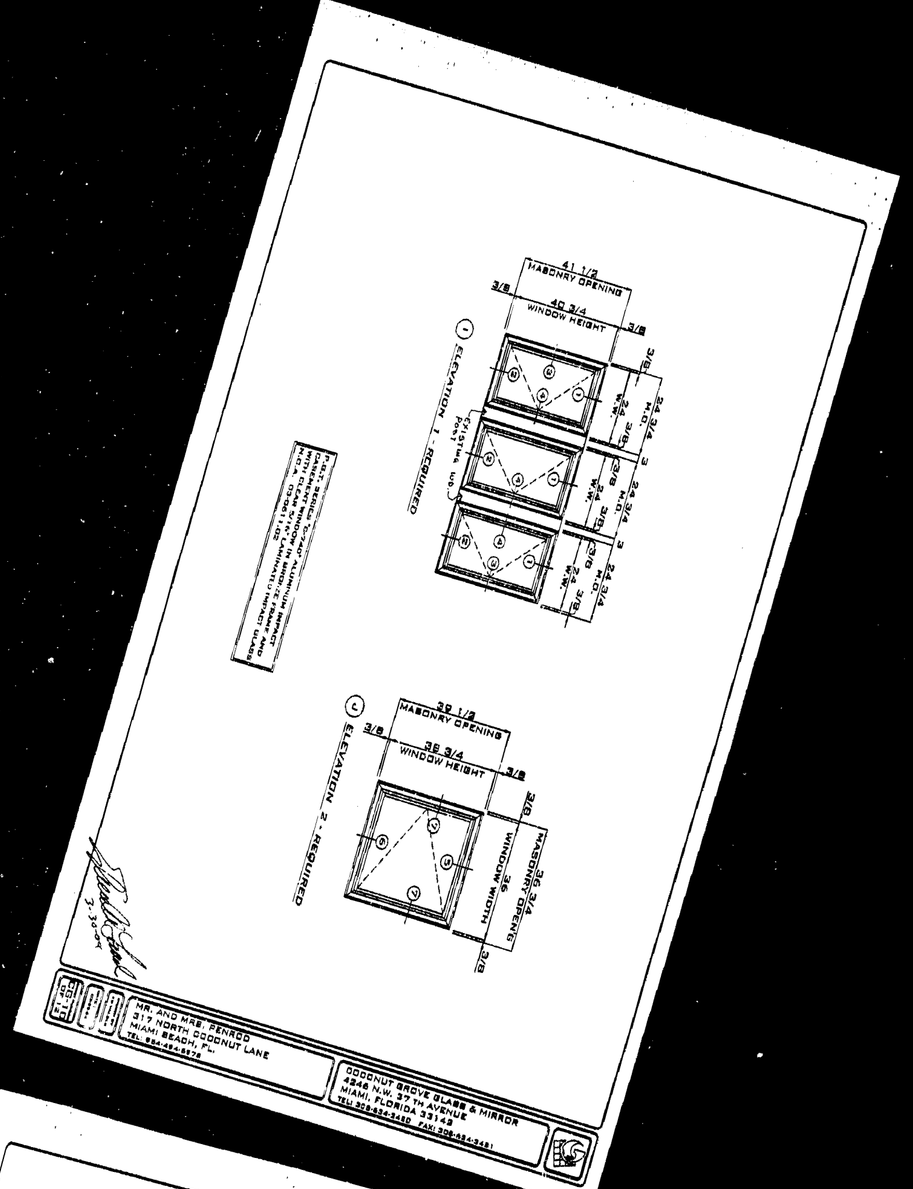
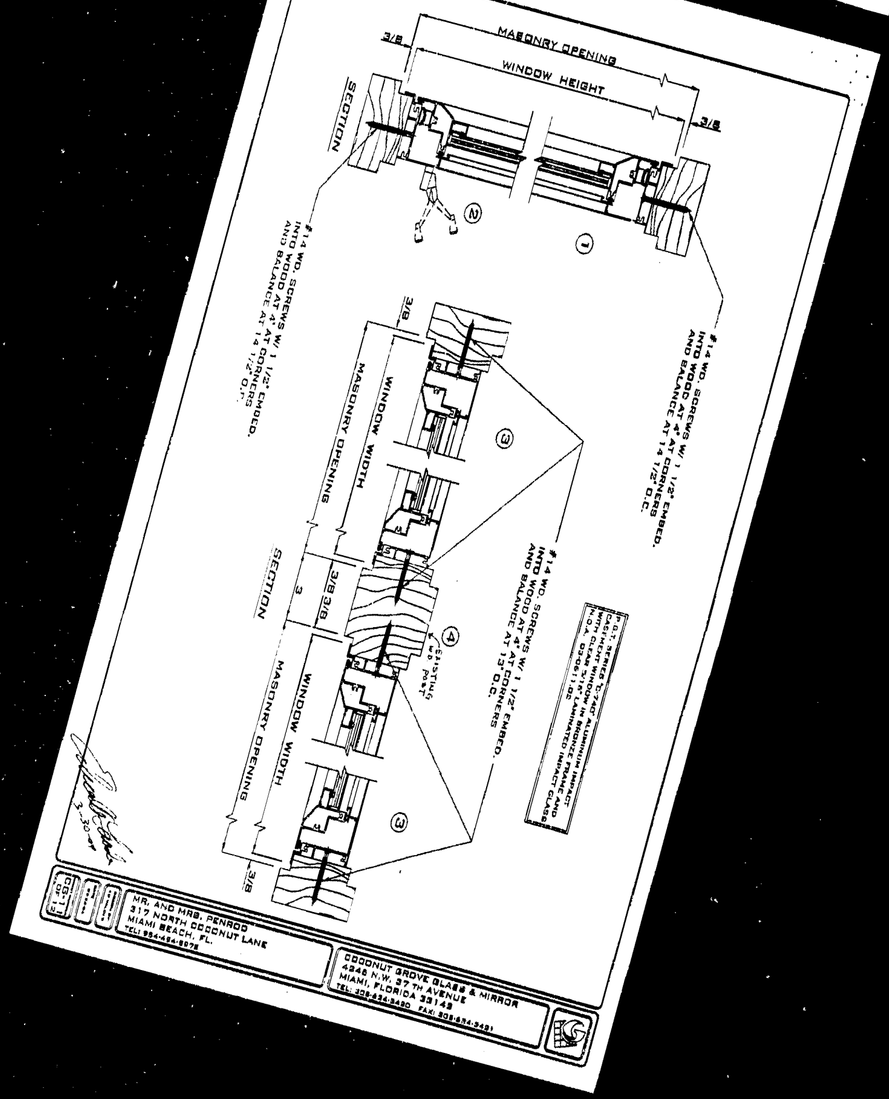
DO-9
OF 19

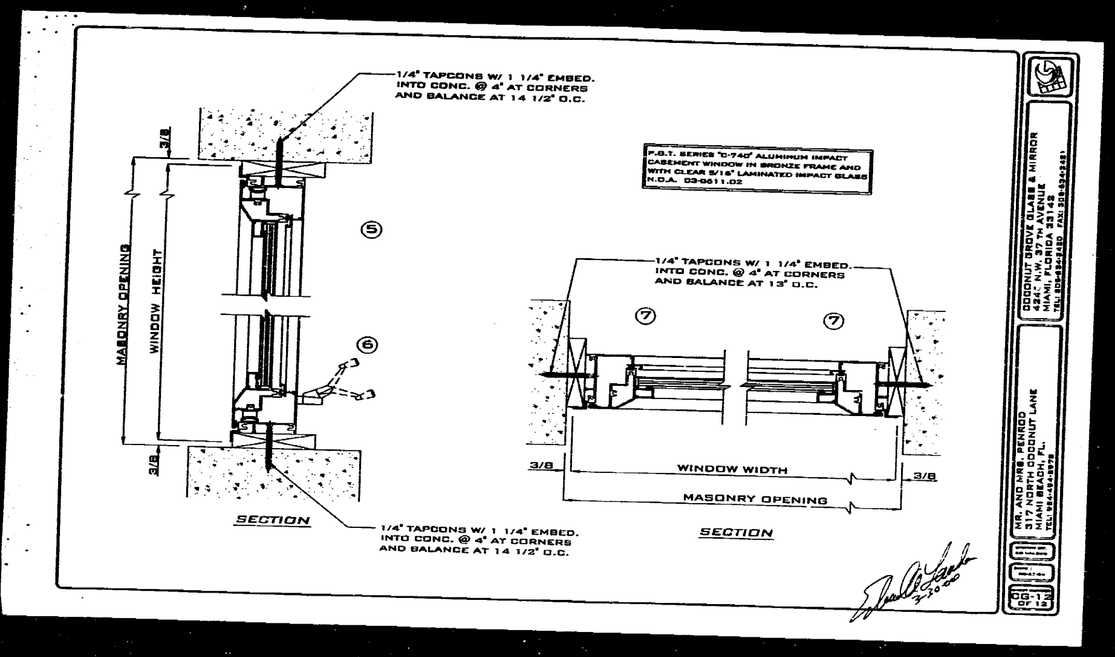


19

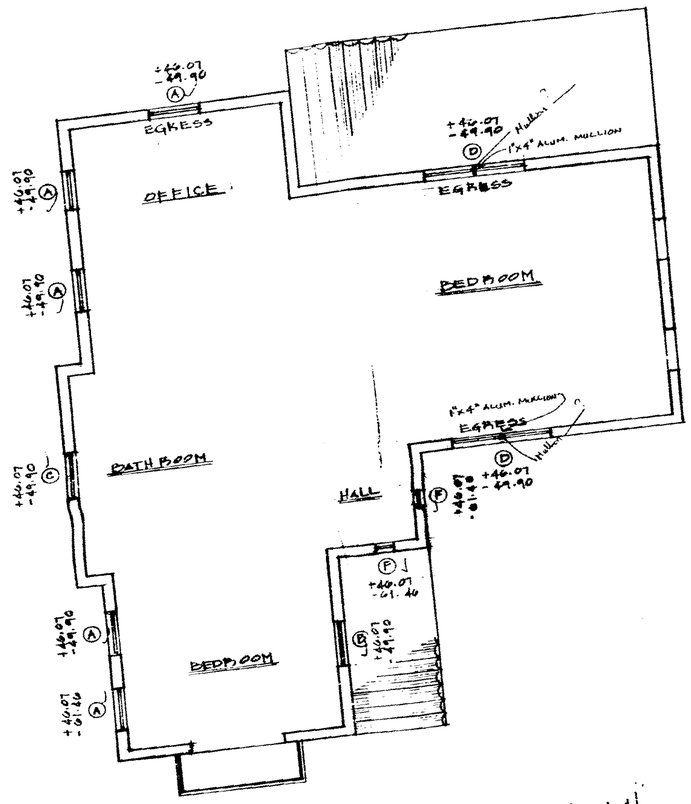



41 1/2
MASONRY OPENING
3/8
40 3/4
WINDOW HEIGHT
3/8
ELEVATION 1 - REQUIRED
ELEVATION 2 - REQUIRED
29 1/2
MASONRY OPENING
28 3/4
WINDOW HEIGHT
WINDOW WIDTH
MASONRY OPENING
MR. AND MRS. PENROD
317 NORTH COCONUT LANE
MIAMI BEACH, FL.
COCONUT GROVE GLASS & MIRROR
4346 N.W. 37TH AVENUE
MIAMI, FLORIDA 33142


MASONRY OPENING
WINDOW HEIGHT
SECTION
#14 WD. SCREWS W/ 1 1/2" EMBED.
INTO WOOD AT 4 AT CORNERS
AND BALANCE AT 14 1/2" O.C.
WINDOW WIDTH
MASONRY OPENINGS
SECTION
MASONRY OPENING
WINDOW WIDTH
MR. AND MRS. PENROD
317 NORTH COCONUT LANE
MIAMI BEACH, FL.
COCONUT GROVE GLASS & MIRROR
4346 N.W. 37TH AVENUE
MIAMI, FLORIDA 33142


1/4" TAPCONS W/ 1 1/4" EMBED. INTO CONC. @ 4" AT CORNERS AND BALANCE AT 14 1/2" O.C.
P.G.T. SERIES "O-740" ALUMINUM IMPACT CASEMENT WINDOW IN BRONZE FRAME AND WITH CLEAR 5/16" LAMINATED IMPACT GLASS N.O.A. 03-0611.02
5
6
MASONRY OPENING
WINDOW HEIGHT
3/8
3/8
SECTION
1/4" TAPCONS W/ 1 1/4" EMBED. INTO CONC. @ 4" AT CORNERS AND BALANCE AT 14 1/2" O.C.
1/4" TAPCONS W/ 1 1/4" EMBED. INTO CONC. @ 4" AT CORNERS AND BALANCE AT 13" O.C.
7
7
3/8
WINDOW WIDTH
3/8
MASONRY OPENING
SECTION
ODDONUT GROVE GLASS & MIRROR
MR. AND MRS. REMBSO
317 NORTH ODDONUT LANE
MIAMI BEACH, FL.

19



SECOND FLOOR PLAN 1/4"=1'-0"

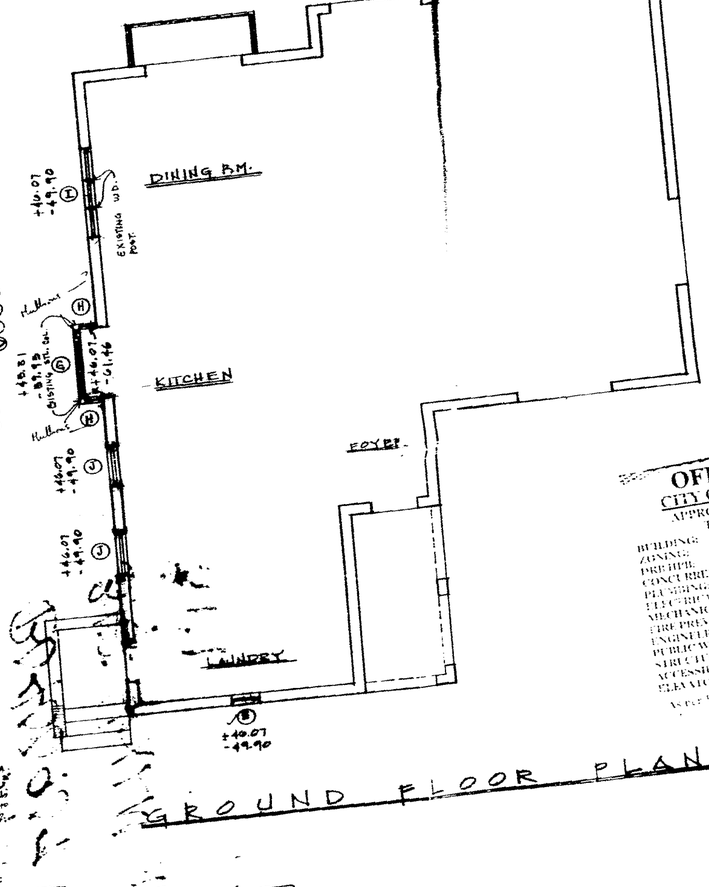
P.G.T. SERIES "SH-701" ALUMINUM IMPACT SINGLE HUNG WINDOW IN BRONZE ALUM. FRAME & WITH CLEAR 5/16" LAMINATED IMPACT GLASS
N.O.A. 01-0029.08

P.G.T. SERIES "FW-701" ALUMINUM FIXED IMPACT WINDOW IN BRONZE ALUM. FRAME & WITH CLEAR 7/16" LAMINATED IMPACT GLASS
N.O.A. 02-0716.08 & 01-0902.01 (USE 6 W/WINDOW)

P.G.T. SERIES "C-740" ALUMINUM IMPACT CASEMENT WINDOW IN BRONZE FRAME & WITH CLEAR 5/16" LAMINATED IMPACT GLASS
N.O.A. 03-0611.02

P.G.T. 1"x4" STD. WALL ALUM. TUBE CLIPPED MULLION IN BRONZE ALUMINUM
N.O.A. 00-0912.05

(A) 36"x61" SINGLE HUNG WINDOW
(B) 30"x64 3/4" SINGLE HUNG WINDOW
(C) 30"x48 3/4" SINGLE HUNG WINDOW
(D) 2-37"x50 5/8" SINGLE HUNG WINDOW
(E) 19 1/8"x20 3/8" FIXED WINDOW
(F) 89 3/4"x43 3/4" FIXED WINDOW
(G) 61"x65 3/8" FIXED WINDOW
(H) 10 7/8"x65 3/8" FIXED WINDOW
(I) 8-24"x40 3/4" CASEMENT WINDOW
(J) 36"x38 3/4" CASEMENT WINDOW



GROUND FLOOR PLAN 1/4"=1'-0"

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING DEPARTMENTS

BUILDING:
ZONING:
PRE-HPB:
CONCURRENCY:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS: EMC-02-064-2004 04/06/04
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

PUBLIC WORKS
PLAN REVIEW NOTICE
Phone 305-673-7080 Fax 305-673-7028
THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.
CO. of the contractor of record.
04/06/2004

48 HOURS PRIOR TO EXCAVATIONS CONTRACTOR SHALL CALL FOR LOCATION OF UNDERGROUND UTILITIES.
Sunshine One-Call 1-800-432-4770
Dade County 305-594-7615

COCONUT GROVE GLASS & MIRROR
4246 N.W. 37TH AVE. MIAMI, FL. 33142

SCALE AS SHOWN	DRAWN BY B.V.
DATE: 03-22-04	CHECKED BY
MR. AND MRS. PENROD 317 N. COCONUT LANE MIAMI BEACH, FL.	
IMPACT WINDOW REPLACEMENT	CG-1 OF 2

19

B0462754

~~[redacted]~~

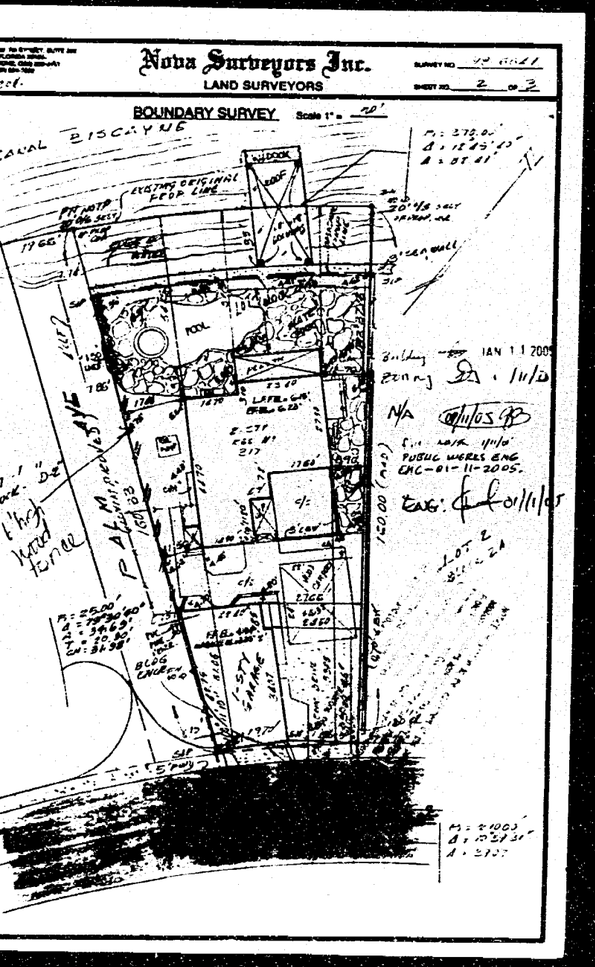
~~[redacted]~~

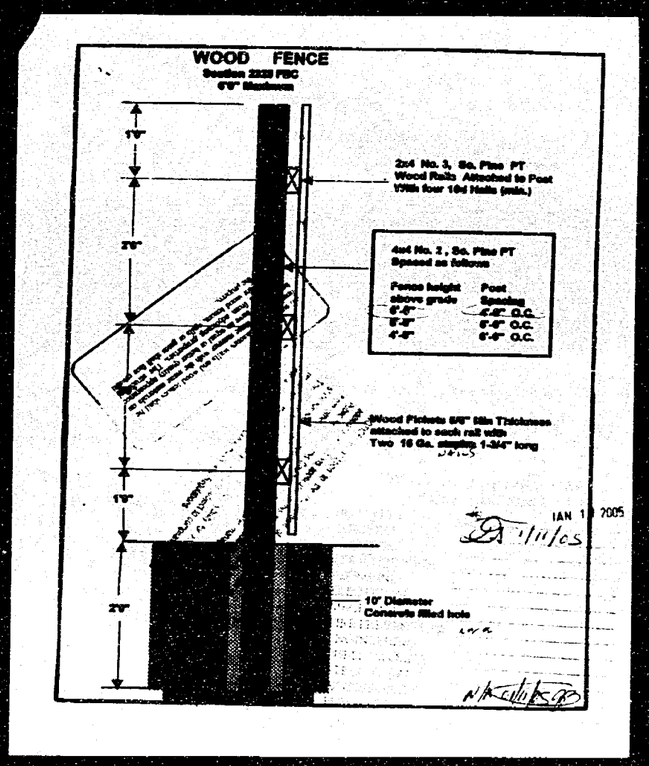
317 Coconut Lane

PERMIT #

B0501679

GG


Nova Surveyors Inc.
LAND SURVEYORS
BOUNDARY SURVEY
Scale 1" = 20'
BISCAYNE
CANAL
POOL
SHED
DOCK
ROOF
EXISTING ORIGINAL SEAWALL
EXISTING ORIGINAL ROOF LINE
PAVING
CONC.
WOOD FENCE
IRON FENCE
BLOCK WALL
CHAIN LINK FENCE
SET NAIL & DISC
FOUND NAIL & DISC
FOUND IRON PIPE
SET IRON PIPE
FOUND IRON ROD
SET IRON ROD
FOUND CONC. MON.
SET CONC. MON.
FOUND P.K. NAIL
SET P.K. NAIL
FOUND MAG NAIL
SET MAG NAIL
FOUND CROSS
SET CROSS
FOUND "X"
SET "X"
FOUND DRILL HOLE
SET DRILL HOLE
FOUND BENCH MARK
SET BENCH MARK
FOUND MONUMENT
SET MONUMENT
FOUND CORNER
SET CORNER
FOUND POINT
SET POINT
FOUND LINE
SET LINE
FOUND ANGLE
SET ANGLE
FOUND CURVE
SET CURVE
FOUND TANGENT
SET TANGENT
FOUND RADIUS
SET RADIUS
FOUND CHORD
SET CHORD
FOUND ARC
SET ARC
FOUND SECTOR
SET SECTOR
FOUND QUADRANT
SET QUADRANT
FOUND SEMICIRCLE
SET SEMICIRCLE
FOUND CIRCLE
SET CIRCLE
FOUND ELLIPSE
SET ELLIPSE
FOUND PARABOLA
SET PARABOLA
FOUND HYPERBOLA
SET HYPERBOLA
FOUND SPIRAL
SET SPIRAL
FOUND HELIX
SET HELIX
FOUND TRANSITION
SET TRANSITION
FOUND COMPOUND
SET COMPOUND
FOUND REVERSE
SET REVERSE
FOUND OFFSET
SET OFFSET
FOUND BEARING
SET BEARING
FOUND AZIMUTH
SET AZIMUTH
FOUND DISTANCE
SET DISTANCE
FOUND ELEVATION
SET ELEVATION
FOUND COORDINATE
SET COORDINATE
FOUND GRID
SET GRID
FOUND DATUM
SET DATUM
FOUND BASE
SET BASE
FOUND TOP
SET TOP
FOUND BOTTOM
SET BOTTOM
FOUND SIDE
SET SIDE
FOUND END
SET END
FOUND BEGIN
SET BEGIN
FOUND CENTER
SET CENTER
FOUND MIDDLE
SET MIDDLE
FOUND EDGE
SET EDGE
FOUND FACE
SET FACE
FOUND BACK
SET BACK
FOUND FRONT
SET FRONT
FOUND LEFT
SET LEFT
FOUND RIGHT
SET RIGHT
FOUND UP
SET UP
FOUND DOWN
SET DOWN
FOUND NORTH
SET NORTH
FOUND SOUTH
SET SOUTH
FOUND EAST
SET EAST
FOUND WEST
SET WEST
FOUND NORTHEAST
SET NORTHEAST
FOUND NORTHWEST
SET NORTHWEST
FOUND SOUTHEAST
SET SOUTHEAST
FOUND SOUTHWEST
SET SOUTHWEST
IAN 1 1 2005
1/11/05
N/A
FIN. INSP. 1/11/05
PUBLIC WORKS DEPT.
CHC-01-11-2005.
Bldg. Dept. 01/11/05


WOOD FENCE
Section 2320 FBC
6'0" Maximum
1'0"
2'0"
2'0"
1'0"
2'0"
2x4 No. 3, So. Pine PT
Wood Rails Attached to Post
With four 16d Nails (min.)
4x4 No. 2, So. Pine PT
Spaced as follows
Fence height above grade
Post Spacing
6'-0"
6'-0" O.C.
5'-0"
6'-0" O.C.
4'-0"
6'-0" O.C.
Wood Pickets 5/8" Min Thickness
attached to each rail with
Two 16 Ga. stapes 1-3/4" long
10" Diameter
Concrete filled hole
IAN 1 1 2005
1/11/05

Exc 01/11/2005.

B0501679
317 N COCONUT LN

66

CITY OF MIAMI BEACH
Building Department
1700 Convention Ctr Drive, 2nd Floor
Miami Beach, Florida 33139
Inspections: (305) 673-7370 Office: (305) 673-7610

Bldg Small Work Permit

06-28-2007

Activity Number: B0704914

Status: APPROVED Issued By: BUILCESR

Site Address: 317 N COCONUT LA MBCH
Parcel #: 42050020010

Applied: 06/11/2007
Approved: 06/28/2007
Completed:
To Expire: 12/25/2007

Valuation: $7,000.00

Applicant: RONAN CONSTRUCTION, INC.
10260 SW 135 STREET
MIAMI FL 33176
305-235-3154

Property Owner: LUCIA R PENROD
317 N COCONUT LANE
MIAMI BEACH FL 331395163

Description: RESURFACING EXISTING CONCRETE DRIVEWAY WITH OLD
Inspector Area: S Class Code: R3

DETAIL LIST

Alteration/Repair Fees		
Alteration Bulding/Structures - Per Costs:	$0.00	$0.00
Awning, Canopy, Patio Cover - Per Costs:	$0.00	$0.00
Area Under Roof - RADON - Per Sq.Ft.:	0	$0.00
Walk-Thru - Per Valuation:	$0.00	$15.00
Repairs to Building/Structure - Per Costs:	$0.00	$0.00
Roofing or Re-roofing - Per Sq.Ft.:	0	$0.00
Window/Doors - Per # of:	0	$0.00
Signs 36-4 (Writer/Erect) - Per Sq.Ft.:	0	$0.00
Fence and/or Wall - Per Linear Feet:	0	$0.00
Partial Demo (Struct, Sign, Wall) - Per Costs:	$0.00	$0.00
Swimming Pool - Per Gallon:	0	$0.00
Painting - Per Costs:	$0.00	$0.00
Sandblasting - Per Costs:	$0.00	$0.00
Paving - Per Sq.Ft.:	1700	$69.00
Concrete Slab - No Paving - Per Sq.Ft.:	0	$0.00
Trees - Per # of:	0	
Hedges - Per Linear Feet:	0	
Groundcover - Per Sq.Ft.:	0	
Landscaping Fee:		$0.00
Other Fees:		$0.00
Penalty Fee (If Applicable):		$0.00

PAID
JUN 28 2007
CITY OF MIAMI BEACH
BUILDING DEPARTMENT

[BSBLDPRM]

Activity Number: B0704914

Fire Safety Fees		
New Building or Addition - Per Sq.Ft.:	0	$0.00
Storage/Industrial Bldg - E & F Occup - Per Sq.Ft.:	0	$0.00
Greenhouse/Argiculture on Premises - Per Sq.Ft.:	0	$0.00
Screen Enclsoure/Trail on Premises - Per Sq.Ft.:	0	$0.00
SS Underground Tanks/App Shelter - Per #:	0	$0.00
Construction not shown Above - Per Costs:	$0.00	$0.00
Alt/Repair Building/Structure - Per Costs:	$0.00	$0.00
Marine Structure Fee		
Dock Area - Per Sq.Ft.:	0	$0.00
Seawall - Per Linear Feet:	0	$0.00
Boat Lifts, Davits, Hoist - Per # of:	0	$0.00
Batter, Mooring, Dock Piles - Per # of:	0	$0.00
Marine Structure Alt/Repair - Per Costs:	$0.00	$0.00
SFBC Compliance Surcharge		
New Const/Add - Res/Mult-Fam/Comm - Per Sq.Ft.:	0	$0.00
New Const/Add - Strg/Ind/Msc - Per Sq.Ft.:	0	$0.00
Cost for Other Construction:		$0.00
Training Fee		
Training Fee:		$7.00
Sanitation Fee:		$21.00
Additional Fees		
1st Reinspection:		$0.00
Continued Reinspections - Per # of:	0	$0.00
Building Joint Inspections - Per # of:	0	$0.00
Change of Contractor Per # of:	0	$0.00
Permit Extension - Per # of:	0	$0.00
Residential Card:		
Commercial Card:		
Permit Card Replacements:		$0.00
Lost Plan Fee - SF:		$0.00
Lost Plan Fee - Other:		$0.00
Overtime Inspection Fees:		$0.00
Total of All Fees:		$116.20
Total of Payments:		$116.20
Balance Due:		$0.00

CITY OF MIAMI BEACH
BUILDING DEPARTMENT
1700 CONVENTION CENTER DR
MIAMI BEACH, FL 33139

305-673-7610 OFFICE

305-673-7857 FAX

WORK PERMIT APPLICATION

(PLEASE FILL OUT COMPLETELY)

DATE: 6 17 107

CODE IN EFFECT: **FLORIDA BUILDING CODE**

IF SUBSIDIARY OR REVISION PROVIDE THE MASTER BUILDING PERMIT NUMBER HERE: B 0704419

LOCATION OF IMPROVEMENTS

JOB ADDRESS: 317 N. Coconut Lane
FOLIO NUMBER: 02-4205-002-0010
LOT: 1
BLOCK: 2
SUBDIVISION: Riviera First & Second Additions
P. B. PAGE: 32 - 37
YEAR BUILT:

CONTRACTOR INFORMATION

LICENSE #: CCC 981801
SS #: 263-97-1341
COMPANY: Ronan Const. Inc.
QUALIFIER: Roger Ricardo
ADDRESS: 10260 SW 135 St
CITY/STATE/ZIP: Miami, FL 33176
PHONE #: 305-235-3154

TYPE OF IMPROVEMENTS

DESCRIPTION OF WORK: Resurfacing existing concrete driveway with Old Chicago Brick
VALUE OF WORK: $ 7,000.00 NO BLDGS.: NO OF UNITS: NO OF FLOORS:
SQUARE FEET: 1,700. LINEAL FEET: POOL GALLONAGE:

( ) NEW CONSTRUCTION ON VACANT LAND	( ) FOUNDATION ONLY	( ) SHELL ONLY	( ) SIGNS
( ) ALTERATION INTERIOR	( ) ENCLOSURE	( ) ADDITION ATTACHED	( ) SWIMMING POOL/SPA
( ) ALTERATION EXTERIOR	(✓) REPAIR	( ) ADDITION DETACHED	( ) HURRICANE SHUTTERS
( ) STRUCTURE RELOCATION	( ) REPAIR DUE TO FIRE	( ) AWNING/CANOPIES	( ) WINDOWS/SLIDING DOORS
	( ) DEMOLISH	( ) FENCING	

ROOFING

( ) (92) LOW SLOPE APPLICATION (GRAVEL, SMOOTH MODIFIED, SINGLE PLY)
( ) (95) SHINGLES (ASPHALT, FIBERGLASS)
( ) (96) SHINGLES (METAL ROOFS/WOOD SHINGLES & SHAKE)
( ) (0107) TILE ROOF
( ) LIGHT WEIGHT

SQUARE FEET

( ) SINGLE FAMILY
( ) MULTI-FAMILY
( ) COMMERCIAL

PERMIT TYPE

(✓) BUILDING ( ) MECHANICAL
( ) ELECTRICAL ( ) PLUMBING
( ) FIRE

CHANGE TO EXISTING

( ) CHANGE CONTRACTOR (✓) PERMIT UPGRADE
( ) REVISIONS ( ) SUPPLEMENTAL

OWNER'S INFORMATION

NAME: Jack Penrod
ADDRESS: 317 N. Coconut Lane
CITY/STATE/ZIP: Miami Beach, FL 33139
PHONE NUMBER:

MORTGAGE LENDER'S INFORMATION

NAME:
ADDRESS: N/A
CITY/STATE/ZIP:
PHONE NUMBER:

ARCHITECT'S INFORMATION

NAME:
ADDRESS: N/A
CITY/STATE/ZIP:
PHONE NUMBER:
LICENSE #

ENGINEER'S INFORMATION

NAME:
ADDRESS:
CITY/STATE/ZIP: N/A
PHONE NUMBER:
LICENSE#

CITY OF MIAMI BEACH
BUILDING DEPARTMENT
1700 CONVENTION CENTER DR
MIAMI BEACH, FL 33139

305-673-7610 OFFICE

305-673-7857 FAX

OCCUPANCY CLASSIFICATIONS

ASSEMBLY OCC. - GROUP **A1** GREATER THAN 1,000	_____	INSTITUTIONAL OCC. - GROUP **I** UNRESTRICTED	_____
ASSEMBLY OCC. - GROUP **A2** 50 TO 1,000	_____	INSTITUTIONAL OCC. - GROUP **I** RESTRICTED	_____
BUSINESS OCC. - GROUP **B**	_____	MERCANTILE OCC. - GROUP **M**	_____
DAY CARE OCC. - GROUP **D**	_____	RESIDENTIAL OCC. - GROUP **R1** HOTEL/MOTEL	_____
EDUCATIONAL OCC. - GROUP **E**	_____	RESIDENTIAL OCC. - GROUP **R2** APTS/CONDO	_____
FACTORY OCC. - GROUP **F**	_____	RESIDENTIAL OCC. - GROUP **R3** S/F	_____
HAZARDOUS OCC. - GROUP **H1** EXPLOSIVE	_____	RESIDENTIAL OCC. - GROUP **R4** CARE FACILITIES	_____
HAZARDOUS OCC. - GROUP **H2** BURNING	_____	STORAGE OCC. - GROUP **S1** ORDINARY HAZARD	_____
HAZARDOUS OCC. - GROUP **H3** PHYSICAL	_____	STORAGE OCC. - GROUP **S2** LOW HAZARD	_____
HAZARDOUS OCC. - GROUP **H4** HEALTH	_____		

Application is hereby made to obtain a permit to do work and installation as indicated. I certify that all work will be performed to meet the standards of all laws regulation construction in this jurisdiction. I understand that **SEPARATE PERMITS ARE REQUIRED** for ***Electrical, Mechanical, Plumbing, Signs, Swimming Pools and Spas, Windows and Sliding Glass Doors and Roofing, and Fire Protection Systems***. As per Florida Building Code 104.4.1.4:

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

_____

SIGNATURE OF QUALIFIER ONLY

STATE OF FLORIDA **COUNTY OF DADE**

Sworn to and subscribed before me this 7 **day of** June, 2007 **By:**

Roger Ricardo

PLEASE PRINT QUALIFIER'S NAME

(✓) Personally Known to me. ( ) Procured Identification:

Type of Identification: _____

( ) DID TAKE OATH. ( ) DID NOT TAKE OATH

LIDIA PEREZ MY COMMISSION EXPIRES October 17, 2008 D 482639 Bonded thru Notary Public Underwriters NOTARY PUBLIC, STATE OF FLORIDA

_____

Signature of Notary Public

DATE: _____

OWNER'S AFFIDAVIT

ATTENTION: BUILDING OFFICIAL

I, Jack Penrod certify that I am the owner of the property described as:

ADDRESS: 317 N Coconut Lane

LOT: 1 BLOCK: 2 SUBDIVISION: Riviera

I authorize Ronan Const. Inc. as my agent to obtain a building permit for the following work:

Resurfacing existing concrete driveway, courtyard & patio with Old Chicago Brick.

OWNER'S SIGNATURE OR OWNER AGENT'S SIGNATURE

STATE OF FLORIDA **COUNTY OF DADE**

Sworn to and subscribed before me this 7 day of June 2 007, by:

Jack Penrod

PLEASE PRINT OWNER'S NAME OR OWNER AGENT'S NAME

(✓) Personally Known to me. ( ) Produced Identification

Type of Identification: _____

( ) DID TAKE OATH ( ) DID NOT TAKE OATH

NOTARY PUBLIC STATE OF FLORIDA Notary Public Bonded thru Public Underwriters DD 480826 LIDIA PEREZ MY COMMISSION EXPIRES October 2009

SIGNATURE OF NOTARY PUBLIC

Notice of Commencement must be filed if the job valuation of $ 2,500.00 and/or more in labor and material

Notice of Commencement must be posted prior to the job commencing.

Notice of Commencement should be filed at:
22 NW 1st Street, Miami, Florida

My Home

miamidade.gov

ACTIVE TOOL: SELECT

Show Me:

Property Information

Search By:

Select Item

Text only

Property Appraiser Tax Estimator

Summary Details:

Folio No.:	02-4205-002-0010
Property:	317 N COCONUT LN
Mailing Address:	LUCIA R PENROD 317 N COCONUT LANE MIAMI BEACH FL 33139-5163

Property Information:

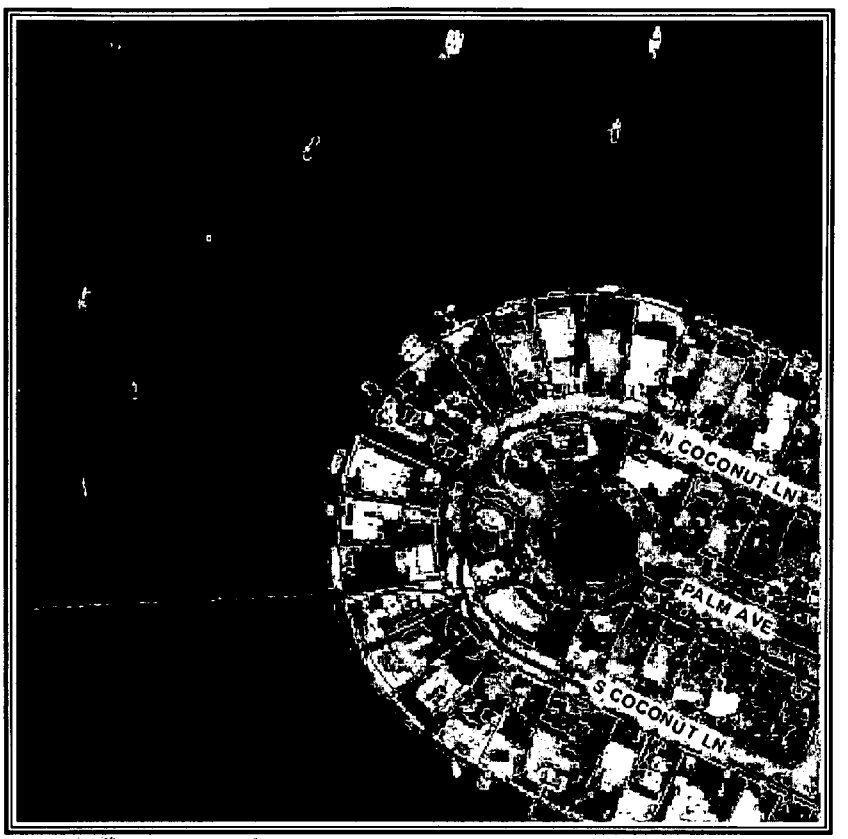
Primary Zone:	0100 SINGLE FAMILY RESIDENCE
CLUC:	0001 RESIDENTIAL- SINGLE FAMILY
Beds/Baths:	4/3
Floors:	1
Living Units:	2
Adj Sq Footage:	2,751
Lot Size:	7,924 SQ FT
Year Built:	1925
Legal Description:	RIVIERA 1ST & 2ND ADDN AMD PB 32-37 LOT 1 BLK 2 A LOT SIZE 7924 SQ FT OR 20948-3342 12 2002 4

Sale Information:

Sale O/R:	18329-2736
Sale Date:	10/1998
Sale Amount:	$710,000

Assessment Information:

Year:	2006	2005
Land Value:	$1,347,080	$1,259,916
Building Value:	$401,702	$361,938
Market Value:	$1,748,782	$1,621,854
Assessed Value:	$727,100	$705,923
Homestead Exemption:	$25,000	$25,000
Total Exemptions:	$25,000	$25,000
Taxable Value:	$702,100	$680,923



Digital Orthophotography - 2006 0 114 ft

We appreciate your feedback, please take a minute to complete our survey.

My Home | Property Information | Property Taxes | My Neighborhood | Property Appraiser

Home | Using Our Site | About | Phone Directory | Privacy | Disclaimer

If you experience technical difficulties with the Property Information application, please click here to let us know.

E-mail your comments, questions and suggestions to Webmaster

Web Site
© 2002 Miami-Dade County.
All rights reserved.

RONAN CONST. INC.

10260 SW 135th St. Miami, FL 33176
CC# E981801
Contact Name: Roger Ricardo
Phone Number: 305-962-1739
Ph# 305-235-3154 Fax# 305-232-4051

Scale 1" = 20'

NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the Public Records of this County, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies.
The City of Miami Beach assumes no responsibility for accuracy of o
res.. s from these plans which are approved subject to compliance with a
Federal, State, and Local Laws, Rules, and Regulations.

City of Miami Beach
Building Department
Shutter Permit
OFFICE COPY

Fairview Type	Initials	Date
Building		06/26/07
Zoning		

Public Works

BOD 4414 LN 77 P

6/26/2007

6-28-2007

Proposed Job:
Resurfacing existing Concrete driveway, Courtyard and Patio with Old Chicago Brick.

Owner: Jack & W. Lucia Penrod.
317 N. Coconut Lane
Miami Beach, FL 33139-5163
305-510-6524

POOL

2-STY. EGS Nº 317

17.60'

160.00

14.90'

C/S

3'CBW

7'6

4'

CBW

WOOD CARPET

EXISTING

44'-8"

Resurfacing existing concrete with Old Chicago Brick

Resurfacing existing concrete driveway with Old Chicago Brick

1-STY GARAGE 3407

28'-0

15'-0

6'-0

4'-0

6'-0"

10'-0

20'-0"

41'-0

5' PWY

3.5' radius

3.5' radius

Planter 130 SF

Planter 80

Planter 90 sq Ft

Front 850 SF total
Landscaping 300 SF = 35%

PUBLIC WORKS

PLAN REVIEW NOTICE

Phone 305-673-7080 Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.

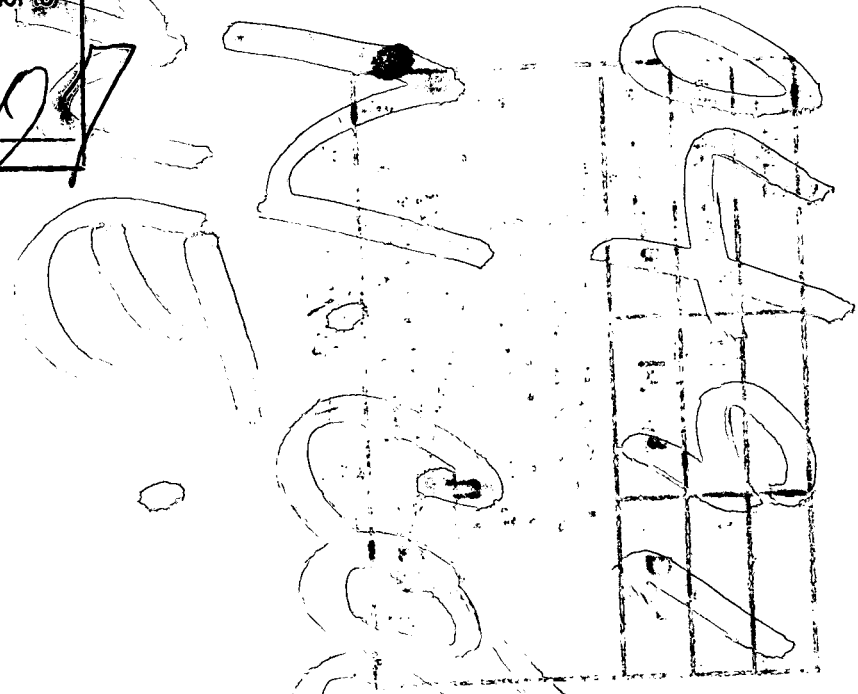
All construction and/or use of equipment in the right-of-way and/or easements, requires a separate Public Works Department permit prior to start of construction.

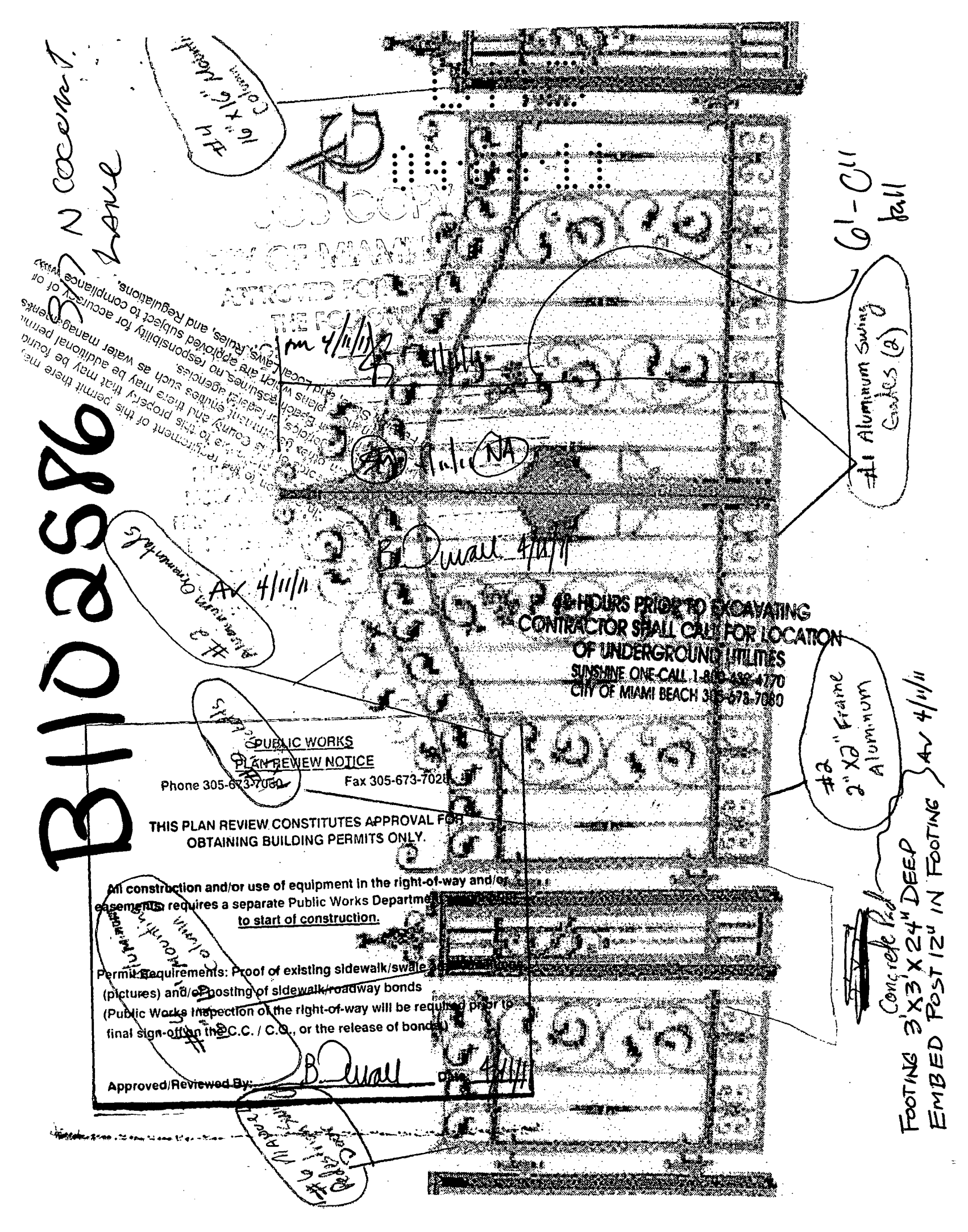
Permit Requirements: Proof of existing sidewalk/swale area conditions (pictures) and/or posting of sidewalk/roadway bonds

(Public Works Inspection of the right-of-way will be required prior to final sign-off on the C.C. / C.O., or the release of bonds.)

Approved/Reviewed By: 06-28-2007 Date:

48 HOURS PRIOR TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION
OF UNDERGROUND UTILITIES
SUNSHINE ONE-CALL 1-800-432-4770
CITY OF MIAMI BEACH 305-673-7080




B11024886
16" x 16" Column
#1 Aluminum Swing Gates (2)
C1-C11
hall
#2 2" x 2" Frame Aluminum
Concrete Pad
FOOTING 3'X3'X24" DEEP
EMBED POST 12" IN FOOTING
48 HOURS PRIOR TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION
OF UNDERGROUND UTILITIES
SUNSHINE ONE-CALL 1-800-432-4770
CITY OF MIAMI BEACH 305-673-7080
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(Public Works Inspection of the right-of-way will be required prior to
final sign-off on the C.C. / C.O., or the release of bonds)
Approved/Reviewed By:
Date: 4/11/11
AV 4/11/11
BD wall 4/11/11
NA
AV 4/11/11

CMB

SPECS FOR JOBSITE @ 317 N. COCONUT LANE (MIAMI BEACH, FL)

1) GATES WILL BE MADE OF ALL ALUMINUM (SWING GATES).

2) GATES WILL CONSIST OF 2" X 2" ALUMINUM FRAME & 1" X 1" ALUMINUM PICKETS WITH ALUMINUM ORNAMENTAL DESIGNS.

3) GATES WILL BE MOTOR OPERATED BY (SOLAR POWERED) SWING GATE ARM MOTORS NO ELECTRICAL.

4) GATES WILL BE MOUNTED TO 16" X 16" ALUMINUM POSTS MADE OF 2" X 2" CORNER POSTS & 1" X 1" PICKETS WITH MATCHING ORNAMENTAL DESIGN TO MATCH GATES. (THESE POSTS WILL BE IMBEDED 1'FT INTO THE GROUND INTO POURED CONCRETE SLABS.

5) MOTORS TO BE INSTALLED WILL BE (EAGLE/ E-7 SHORT ARM SWING GATE MOTORS) WITH CONTROL PANEL & PLUG IN SOLAR POWERED PANEL.

6) PEDESTRIAN SWING GATE WILL BE ALL ALUMINUM WITH FREE EXIT PASSAGE HANDLE (WILL BE MOUNTED ADJACENT TO SWING GATES).

(ALL GATES WILL SWING OUTWARDS AND WILL REMAIN WITHIN PROPERTY LINES OF RESIDENCE.)

6582 N.W. 7th STREET, SUITE 202
MIAMI, FLORIDA 33126
TELEPHONE: (305) 220-3171
FAX: (305) 554-7822

Nova Surveyors Inc
LAND SURVEYORS

SURVEY NO. 98-6649
SHEET NO. 1 OF 3

LEGAL DESCRIPTION:

Lot 1 in Block 2 A of Amended Riviera and the First and Second Additions thereto, according to the Plat thereof as recorded in Plat Book 32 at page 37 of the Public Records of Miami-Dade County, Florida.

Also known as:

Lot 1, Block 2 A of Riviera, according to the Plat thereof as recorded in Plat Book 9 at page 109 of the Public Records of Miami-Dade County, Florida.

Including;

A strip of land 20 feet wide abutting the waterfront and of Lot 1, Block 2-A of Riviera, Palm Island, being a part of the 20 foot strip of land encircling Palm Island conveyed to Biscayne Bay Islands Company in Deed recorded in Deed Book 1501 at page 479 more specifically described by metes and bounds as follows, ie,

Commencing at the Southwesterly corner of Lot 1, Blcok 2-A, Riviera Palm Island, as shown by the Amended Plat thereof recorded in Plat Book 32 at page 37 of the Public Records of Miami-Dade County, Florida, thence Westerly 20 feet on a prolongation of the Southern boundary line of Lot 1, Block 2-A, Riviera,. extended into the Bay, thence to the right on a line parallel to and 20 feet distant from the Western boundary line of Lot 1 to a point where said line intersects an extension of the dividing line between Lots 1 and 2 extended into the Bay; thence to the right 20 feet along said dividing line of Lots 1 and 2, extended into the Bay to the Northwesterly corner of Lot 1, thence to the right along the Western boundary line of Lot 1, 78 feet more of less to the Point of Beginning.

CMB

5582 N.W. 7th STREET, SUITE 202
MIAMI, FLORIDA 33126
TELEPHONE: (305) 220-3171
FAX: (305) 554-7822

DRAWN BY:

Nova Surveyors Inc.
LAND SURVEYORS

SURVEY No. 98-0006649

SHEET NO. 1 OF 3

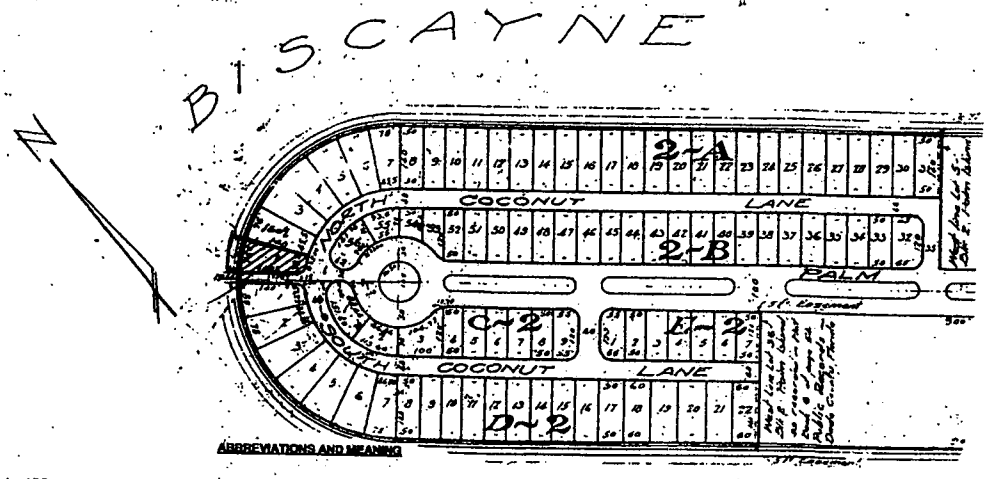
SEE LEGAL DESCRIPTION ON PAGE 3 OF 3

Property Address: 317 N COCONUT LANE, MIAMI BEACH, FL 33139
For: JACK V. PENROD

Date: 09/11/1998

LOCATION SKETCH

Scale 1" = N.T.S.



ABBREVIATIONS AND MEANING

A = ARC.
A/C = AIR CONDITIONER PAD.
A.E. = ANCHOR EASEMENT.
A/R = ALUMINUM ROOF.
A/S = ALUMINUM SHED.
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F.F.E. = FINISHED FLOOR ELEVATION.
F.N.D. = FOUND NAIL & DISK
FR. = FRAME.
FT. = FEET.
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LEGEND TYPICAL

WOOD FENCE.
CHAIN LINK FENCE.
C.B.S. WALL (C.B.W.)
EXISTING ELEVATIONS.

0.00 X
0.00
PROPOSED ELEVATIONS.

SURVEYOR'S NOTES: 1). IF SHOWN, BEARINGS ARE REFERRED TO AN ASSUMED MERIDIAN, BY SAID PLAT IN THE DESCRIPTION OF THE PROPERTY. IF NOT, THEN BEARINGS ARE REFERRED TO COUNTY TOWNSHIP MAPS.

2). IF SHOWN, ELEVATIONS ARE REFERRED TO MIAMI BEACH CL.

B.M.# _____ ELEV. _____
OF N.G.V.D. OF 1929.

3). THIS IS A SPECIFIC PURPOSE SURVEY.

4). THE CLOSURE IN THE BOUNDARY SURVEY IS ABOVE 1:7500 FT.

I HEREBY CERTIFY: THAT THIS "BOUNDARY SURVEY" OF THE PROPERTY DESCRIBED HEREON, AS RECENTLY SURVEYED AND DRAWN UNDER MY SUPERVISION, COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE PURSUANT TO 472.027, FLORIDA STATUTES.

BY: George Ibarra 3/14/98.
GEORGE IBARRA (DATE OF FIELD WORK)
PROFESSIONAL LAND SURVEYOR NO. 2534
STATE OF FLORIDA. (VALID COPIES OF THIS SURVEY WILL BEAR THE EMBOSSED SEAL OF THE ATTESTING LAND SURVEYOR).

REVISED ON 09/23/04 UPDATE

REVISED ON _____

LEGAL NOTES TO ACCOMPANY SKETCH OF SURVEY (SURVEY):
EXAMINATION OF THE ABSTRACT OF TITLE WILL HAVE TO BE MADE TO DETERMINE RECORDED INSTRUMENTS, IF ANY, AFFECTING THE PROPERTY. THIS SURVEY IS SUBJECT TO DEDICATIONS, LIMITATIONS, RESTRICTIONS, RESERVATIONS OR EASEMENTS OF RECORD. LEGAL DESCRIPTIONS PROVIDED BY CLIENT OR ATTESTING TITLE COMPANY.
BOUNDARY SURVEY MEANS A DRAWING AND/OR A GRAPHIC REPRESENTATION OF THE SURVEY WORK PERFORMED IN THE FIELD, COULD BE DRAWN AT A SHOWN SCALE AND/OR NOT TO SCALE.
EASEMENTS AS SHOWN ARE PER PLAT BOOK, UNLESS OTHERWISE SHOWN.
THE TERM "ENCROACHMENT" MEANS VISIBLE AND ABOVE GROUND ENCROACHMENTS.
ARCHITECTS SHALL VERIFY ZONING REGULATIONS, RESTRICTIONS AND SETBACKS AND THEY WILL BE RESPONSIBLE OF SUBMITTING PLOT PLANS WITH THE CORRECT INFORMATION FOR THEIR APPROVAL FOR AUTHORIZATION TO AUTHORITIES IN A NEW CONSTRUCTION, UNLESS OTHERWISE NOTED, THIS FIRM HAS NOT ATTEMPTED TO LOCATE FOOTINGS AND/OR FOUNDATIONS.
FENCE OWNERSHIP NOT DETERMINED.
THIS PLAN OF SURVEY, HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE ENTITIES NAMED HEREON, THE CERTIFICATE DOES NOT EXTEND TO ANY UNNAMED PARTY.
THE FNIP FLOOD MAPS HAVE DESIGNATED THE HEREIN DESCRIBED LAND TO BE

Situated in Zone: AE Community/Panel/Suffix: 120651-0183-J
Date of Firm: 03/02/1994 Base Flood Elevation: 9 FT
Certified to: JACK V PENROD AND LUCIA REINOSO PENROD

N W E S NOVA SURVEYORS SEAL

5582 N.W. 7th STREET, SUITE 202
MIAMI, FLORIDA 33126
TELEPHONE: (305) 599-8171
FAX: (305) 594-7822

Nova Surveyors Inc.
LAND SURVEYORS

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SHEET NO. 1 OF 3

LEGAL DESCRIPTION:

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Also known as:

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FAX: (305) 554-7622

DRAWN BY:

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LAND SURVEYORS

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SEE LEGAL DESCRIPTION ON PAGE 3 OF 3

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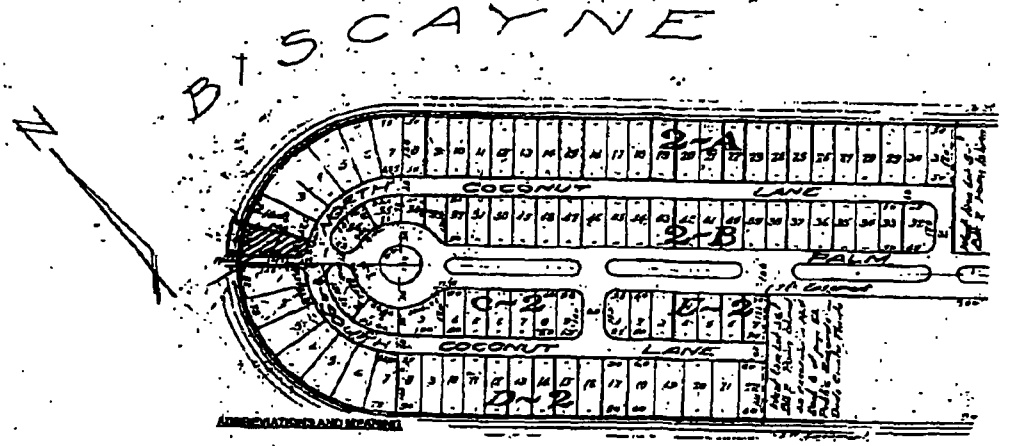

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0.00 X
0.00

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CHAIN LINK FENCE.
C.B.S. WALL (C.B.W.)
EXISTING ELEVATIONS.
PROPOSED ELEVATIONS.

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B.M.#: _____ ELEV. _____
OF N.G.V.D. OF 1929.

3). THIS IS A SPECIFIC PURPOSE SURVEY.

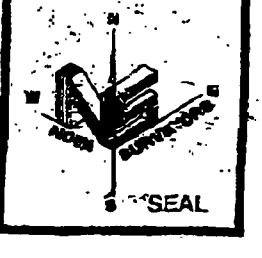
4). THE CLOSURE IN THE BOUNDARY SURVEY IS ABOVE 1:7500 FT.
I HEREBY CERTIFY: THAT THIS "BOUNDARY SURVEY" OF THE PROPERTY DESCRIBED HEREON, AS RECENTLY SURVEYED AND DRAWN UNDER MY SUPERVISION, COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE PURSUANT TO 472.027, FLORIDA STATUTES.

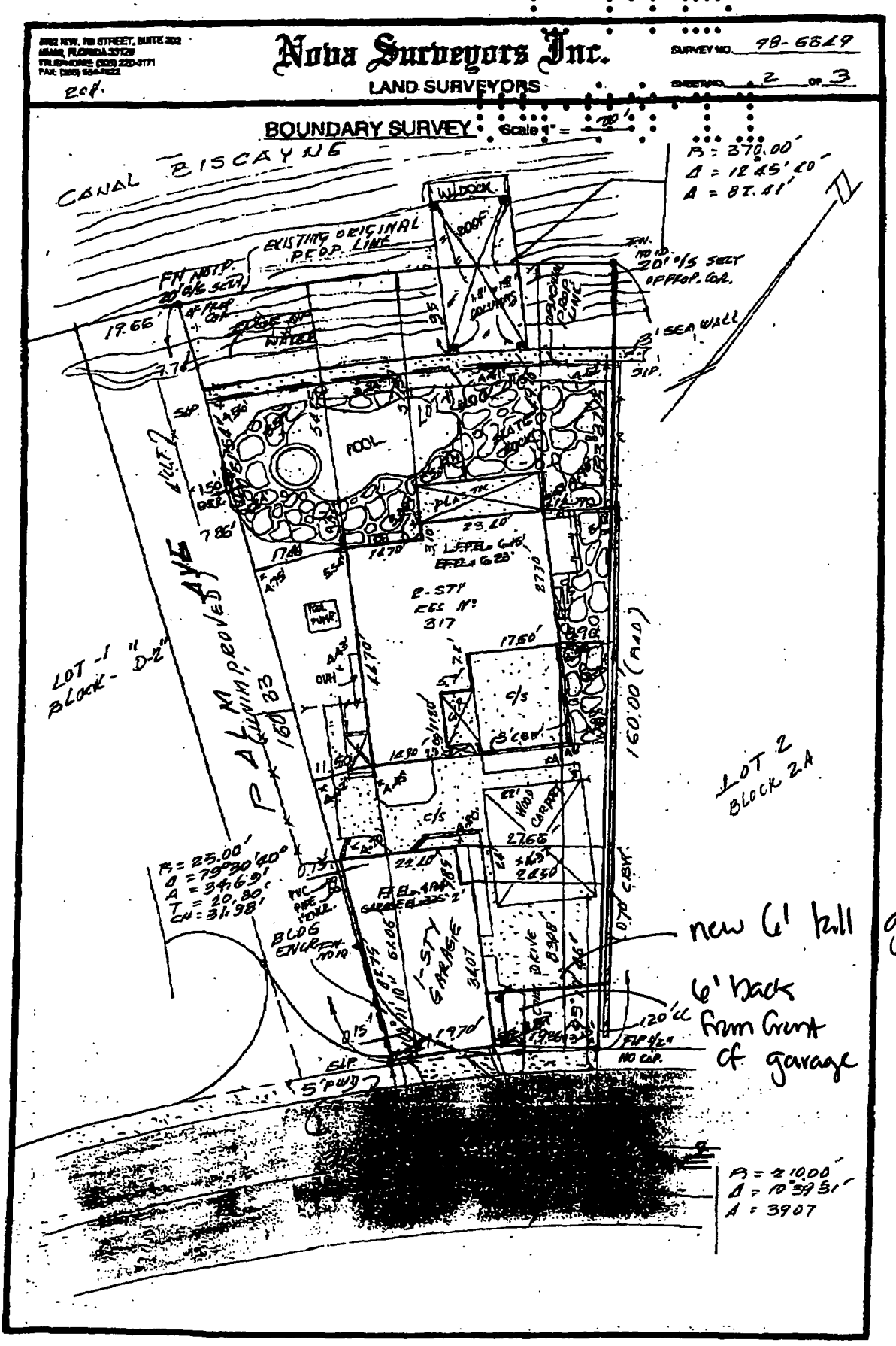
BY: George Barra 9/14/98
GEORGE BARRA (DATE OF FIELD WORK)
PROFESSIONAL LAND SURVEYOR NO. 2534
STATE OF FLORIDA. (VALID COPIES OF THIS SURVEY WILL BEAR THE EMBOSSED SEAL OF THE ATTESTING LAND SURVEYOR).

REVISED ON 08/23/04 UP-DATE
REVISED ON _____

LEGAL NOTES TO ACCOMPANY SKETCH OF SURVEY (SURVEY):
EXAMINATION OF THE ABSTRACT OF TITLE WILL HAVE TO BE MADE TO DETERMINE RECORDED INSTRUMENTS, IF ANY, AFFECTING THE PROPERTY. THIS SURVEY IS SUBJECT TO DEDICATIONS, LIMITATIONS, RESTRICTIONS, RESERVATIONS OR EASEMENTS OF RECORD. LEGAL DESCRIPTIONS PROVIDED BY CLIENT OR ATTESTING TITLE COMPANY.
BOUNDARY SURVEY MEANS A DRAWING AND/OR A GRAPHIC REPRESENTATION OF THE SURVEY WORK PERFORMED IN THE FIELD, COULD BE DRAWN AT A SHOWN SCALE AND/OR NOT TO SCALE.
EASEMENTS AS SHOWN ARE PER PLAT BOOK, UNLESS OTHERWISE SHOWN.
THE TERM "ENCROACHMENT" MEANS VISIBLE AND ABOVE GROUND ENCROACHMENTS.
ARCHITECTS SHALL VERIFY ZONING/REGULATIONS, RESTRICTIONS AND SETBACKS AND THEY WILL BE RESPONSIBLE OF SUBMITTING RIGHT PLANS WITH THE CORRECT INFORMATION FOR THEIR APPROVAL FOR AUTHORIZATION TO AUTHORITIES IN A NEW CONSTRUCTION, UNLESS OTHERWISE NOTED. THIS FIRM HAS NOT ATTEMPTED TO LOCATE FOOTINGS AND/OR FOUNDATIONS.
FENCE OWNERSHIP NOT DETERMINED.
THIS PLAN OF SURVEY, HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE ENTITIES NAMED HEREON. THE CERTIFICATE DOES NOT EXTEND TO ANY UNNAMED PARTY.
THE FIRM FLOOD MAPS HAVE DESIGNATED THE HEREIN DESCRIBED LAND TO BE

Situated in Zone: AE Community/Panel/Suffix: 120651-0183-J
Date of Firm: 03/02/1994 Base Flood Elevation: 9 FT
Certified to: JACK V PENROD AND LUCIA REDONDO PENROD




Nova Surveyors Inc.
LAND SURVEYORS
SURVEY NO. 98-6849
SHEET NO. 2 OF 3
BOUNDARY SURVEY
Scale 1" = 10'
CANAL BISCAYNE
EXISTING ORIGINAL P.F.O.P. LINE
SEA WALL
POOL
LOT 1
BLOCK D-2
LOT 2
BLOCK 2A
160.00 (M&D)
160.23
new 6' hall gate
6' back from front of garage
R = 25.00'
Δ = 79°30'40"
A = 34.69'
T = 20.80'
CH = 31.98'
R = 2100'
Δ = 10°59'31"
A = 390'

CNB

photo.JPG

Image 1 of 1 Close

NO ~~[illegible]~~
sidewalk

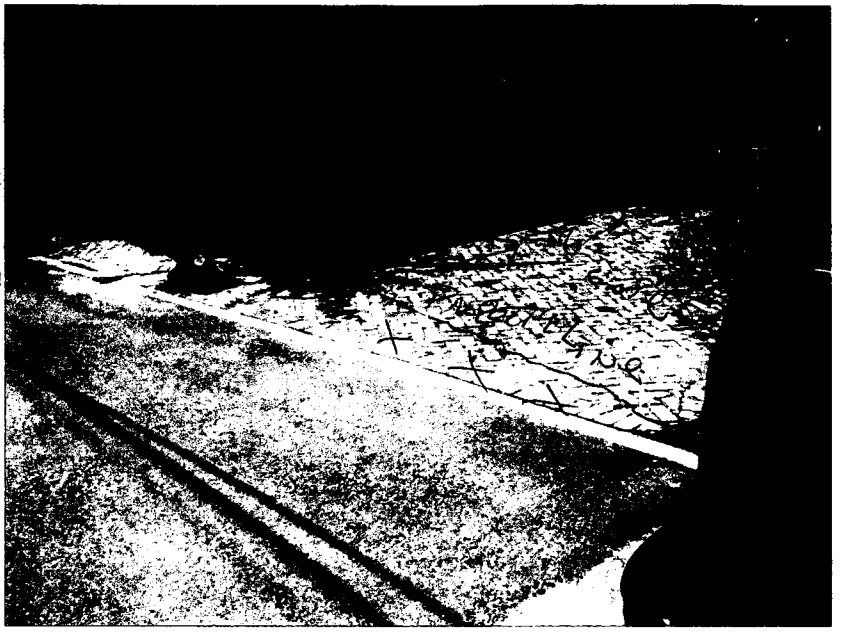
CMB

photo.JPG

Close

PUBLIC WORKS
NO ~~PUBLIC WORKS~~
SIDEWALK

photo.JPG



Close

Attention! Public works!

CMB

04.08.11

EAGLE
ACCESS CONTROL SYSTEMS, INC.

Dear Customer,

Thank you for installing an Eagle-DC Gate Operating System.

Eagle-DC Gate Operators are rugged, durable and carry the best-in-class warranty.

Below is the Manufacturer's Certification for use with your tax filing for tax credit.

Thank you again,

Eagle Access Control Systems, Inc.

Manufacturer's Certification for Credit Regarding Residential Energy Efficient Property
As Qualified Under Internal Revenue Code Section 25D

Name & Address of Manufacturer: Eagle Access Control Systems, Inc.
13745 Saticoy Street
Van Nuys, CA 91402

Identification of Property: Solar Electric Property

Make & Model Numbers of Qualified Property

Model Number	Description
Eagle-E7	24 VDC Swing Gate Operator
Eagle-E7 SHORT	24 VDC Swing Gate Operator
Eagle-100-DC	24 VDC Swing Gate Operator
Eagle-200-DC	24 VDC Swing Gate Operator
Eagle-1000-DC	24 VDC Slide Gate Operator
Eagle-2000-DC	24 VDC Slide Gate Operator

Model Number	Description
EG510	36 V Solar Panel (10 Watt)
EG515	36 V Solar Panel (15 Watt)
EG520	36 V Solar Panel (20 Watt)

Under penalties of perjury, I declare that I have examined this certification statement, and to the best of my knowledge and belief, the facts presented are true, correct, and complete.

Joe Afriat
President & CEO

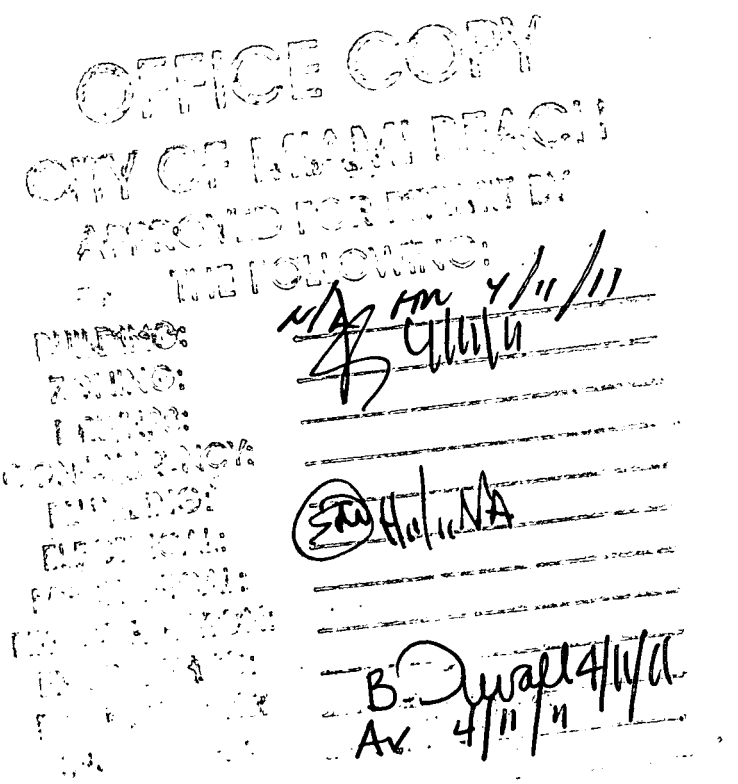
Tel: (818) 779-0920 Fax: (818) 779-0093 Toll Free: (800) 708-8848
13745 Saticoy Street Van Nuys, CA 91402
www.EagleOperators.com

ORIGINAL

B1102586

317 N Coconuts

OFFICE COPY



Permit History Report - Energov

Total # of Permits: 1

Permit Number	Description	Address	Parcel
RFR1900905	RE ROOF TILE AND FLAT	317 N N COCONUT LN	0242050020010

Permit Status	Apply Date	Issue Date	Permit Type	Work Type
Finaled	7/30/2019	7/31/2019	Roofing - Residential	New

Square Ft	Valuation
2200	25000.00

Permit History - PermitsPlus

Total Permits: 22

Permit No	COMP TYPE	SUB TYPE	DESCRIPTION
BE910841	BELEC	ALT	NEW OUTLETS (SF)
BE040182	BELEC	POOL	LIGHT NICHE MOTOR POOL
BM030998	BMECH	BOILER	INSTALL POOL HEATER
BMS1501473	BMISC	DOC HIST	1 CD
BMS0401523	BMISC	RESEARCH	3 COPIES MICROFILM
BP031522	BPLUM	POOL	2/pipings
BP031998	BPLUM	WELL	INSTALL NEW SWIMMING POOL & SPA
BP040713	BPLUM	ALTRMDL	INSTALL GAS LINE TO POOL HEATER
BP950807	BPLUM	OTH	INSTALL 50 GAL GAS WATER HEATER
B0704914	BSBUILD	PAVING	RESURFACING EXISTING CONCRETE
B0402754	BSBUILD	DRWNW-R	INSTALLATION OF 18 IMPACT WINDOWS
B0501679	BSBUILD	FENCE-R	Install wood fence 160lf
B0705108	BSBUILD	PAINT	PRESSURE CLEAN EXTERIOR AND
B1102586	BSBUILD	FENCE	Installation of Aluminum Swing Gates with
B0400039	BSBUILD	AWNING	ADD 12 WINDOW AWNINGS TO HOME.
B1501094	BSBUILD	DRWNW-R	Install 7 aluminum panel shutters, 5 impact
BS911162	BSBUILD	OTH	REPLACE CONCRETE SLAB IN LIVING
B0904104	BSBUILD	MRNE-R	NEW BOATLIFT AND NEW DOCK
BS931703	BSBUILD	OTH	RMV.&RPLC.TILE W/SAME ALTUSA
B0303409	BUILD	POOL	INSTALL NEW SWIMMING POOL & SPA
BV04001041	BVIO	STRUCT	Chain link fence at south side of property
JB05000078	JBMASTER	STRUCT	Chain link fence at south side of property

STATUS	APPLIED DATE	APPROVED DATE	EXPIRED/FINALED DATE	VAL TOTAL
CLOSED	4/23/1991	4/23/1991	10/28/1991	$250.00
FINAL	10/18/2003	10/18/2003	12/29/2004	$900.00
FINAL	6/19/2003	6/19/2003	12/29/2004	$1,000.00
CLOSED	3/20/2015	1/1/0001	1/1/0001	$0.00
CLOSED	2/10/2004	1/1/0001	1/1/0001	$0.00
FINAL	6/20/2003	6/20/2003	12/29/2004	$1,200.00
FINAL	9/11/2003	9/11/2003	12/29/2004	$800.00
FINAL	3/4/2004	3/4/2004	9/25/2004	$480.00
FINAL	5/31/1995	5/31/1995	12/6/1995	$500.00
FINAL	6/11/2007	6/28/2007	1/21/2008	$7,000.00
FINAL	4/6/2004	4/21/2004	11/17/2004	$12,000.00
FINAL	1/11/2005	1/12/2005	7/24/2005	$1,500.00
FINAL	6/19/2007	6/22/2007	12/26/2007	$15,600.00
FINAL	4/8/2011	4/11/2011	10/8/2011	$8,500.00
FINAL	10/2/2003	10/14/2003	5/18/2004	$2,350.00
FINAL	11/24/2014	11/24/2014	10/11/2015	$24,808.00
CLOSED	4/3/1991	4/4/1991	10/28/1991	$5,000.00
VOID	8/3/2009	1/1/0001	1/1/0001	$0.00
FINAL	3/31/1993	3/31/1993	3/2/1994	$12,000.00
FINAL	6/4/2003	6/18/2003	9/29/2004	$16,000.00
CLOSED	8/16/2004	8/16/2004	1/4/2005	$0.00
DESTROYD	11/1/2004	1/6/2005	1/6/2005	$0.00

PARCEL NO	STREET NO	DIR	STREET NAME
42050020010	317	N	COCONUT LA
42050020010	317	N	COCONUT LA
42050020010	317	N	COCONUT LA
42050020010	317	N	COCONUT LA
42050020010	317	N	COCONUT LA
42050020010	317	N	COCONUT LA
42050020010	317	N	COCONUT LA
42050020010	317	N	COCONUT LA
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42050020010	317	N	COCONUT LA
42050020010	317	N	COCONUT LA
42050020010	317	N	COCONUT LA
42050020010	317	N	COCONUT LA