

Helen S. Jones

Owner BISCAYNE BAY ISLAND CO Mailing Address

Permit No.

767

Date

Mar. 26-1924

Lot 1 Block 2-A Subdivision PALM ISLAND

Address 317 North Coconut Lane

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

Plumbing Contractor Harry Sanborn

Address

Date July 1- 1924

Plumbing Fixtures 8 Rough approved by H. Scheibll

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

Switch Range 1 Motors
OUTLETS Light 20 HEATERS Water 1
Receptacles 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 3-1940Electrical 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

LE NO: 1074 ARTHUR C. STIFFEL, owner Applicant requests waiving of 6 ft. of the required 7'6" northeast side yard setback, in order to construct a carport. Applicant also requests waiving of 5'2" of the required 5'8" side yard setback in order to project the roof overhang and beams of the subject carport into said setback area. BOARD OF ADJUSTMENT SEPTEMBER 9, 1976, DEFERRED-Applicant did 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

#60635 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-Yong Electric- 5 switch outlets; 5 light outlets; 5 receptacles; 1 range top; 1 oven-2-2-76

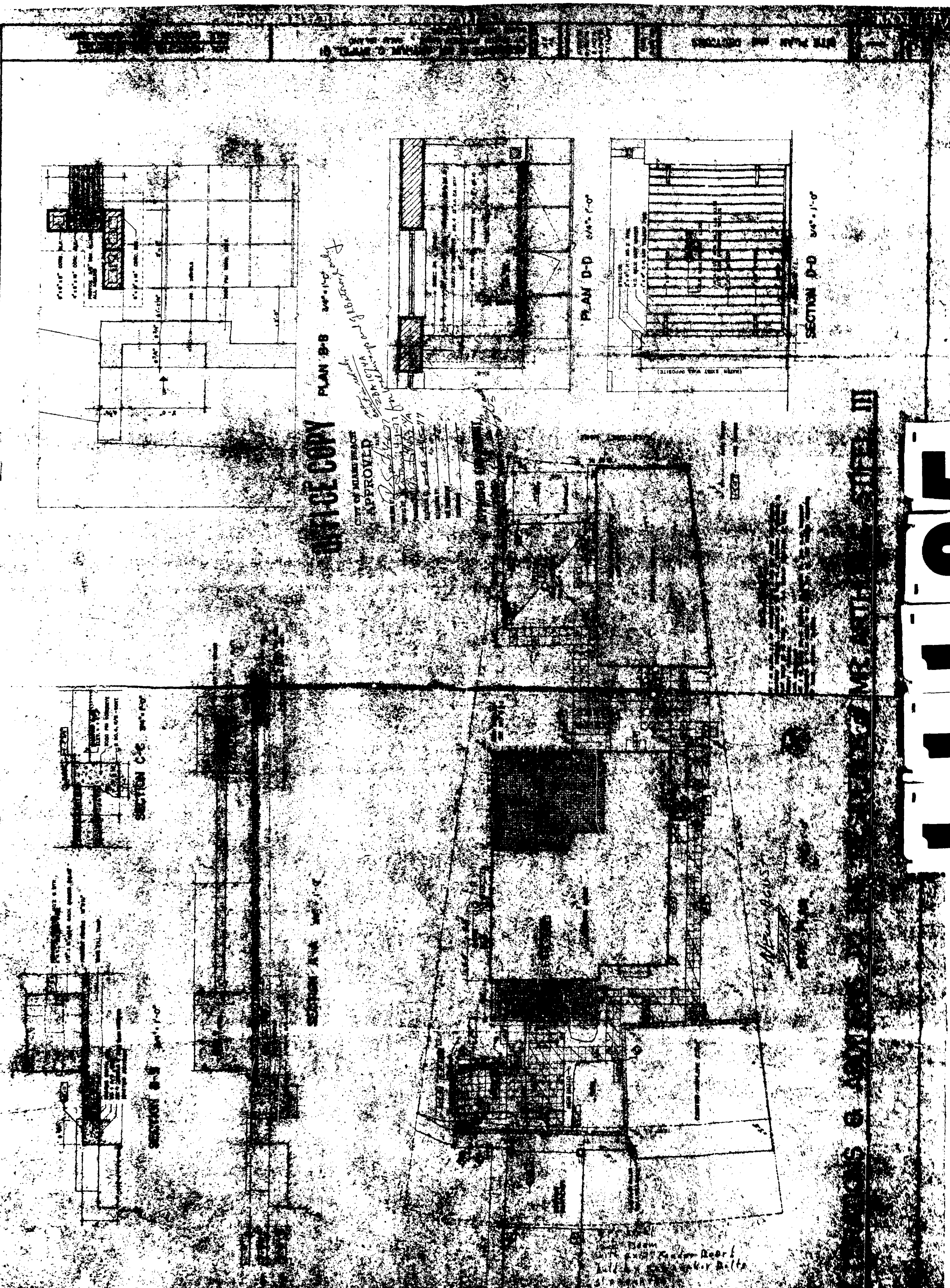
BUILDING PERMITS contd.

17759 Pierce, Inc.

Reroof 20 squares \$1600.

3-24-80

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



SECTION A-A 34'-0" x 1'-0"

SECTION B-B 34'-0" x 1'-0"

SECTION C-C 34'-0" x 1'-0"

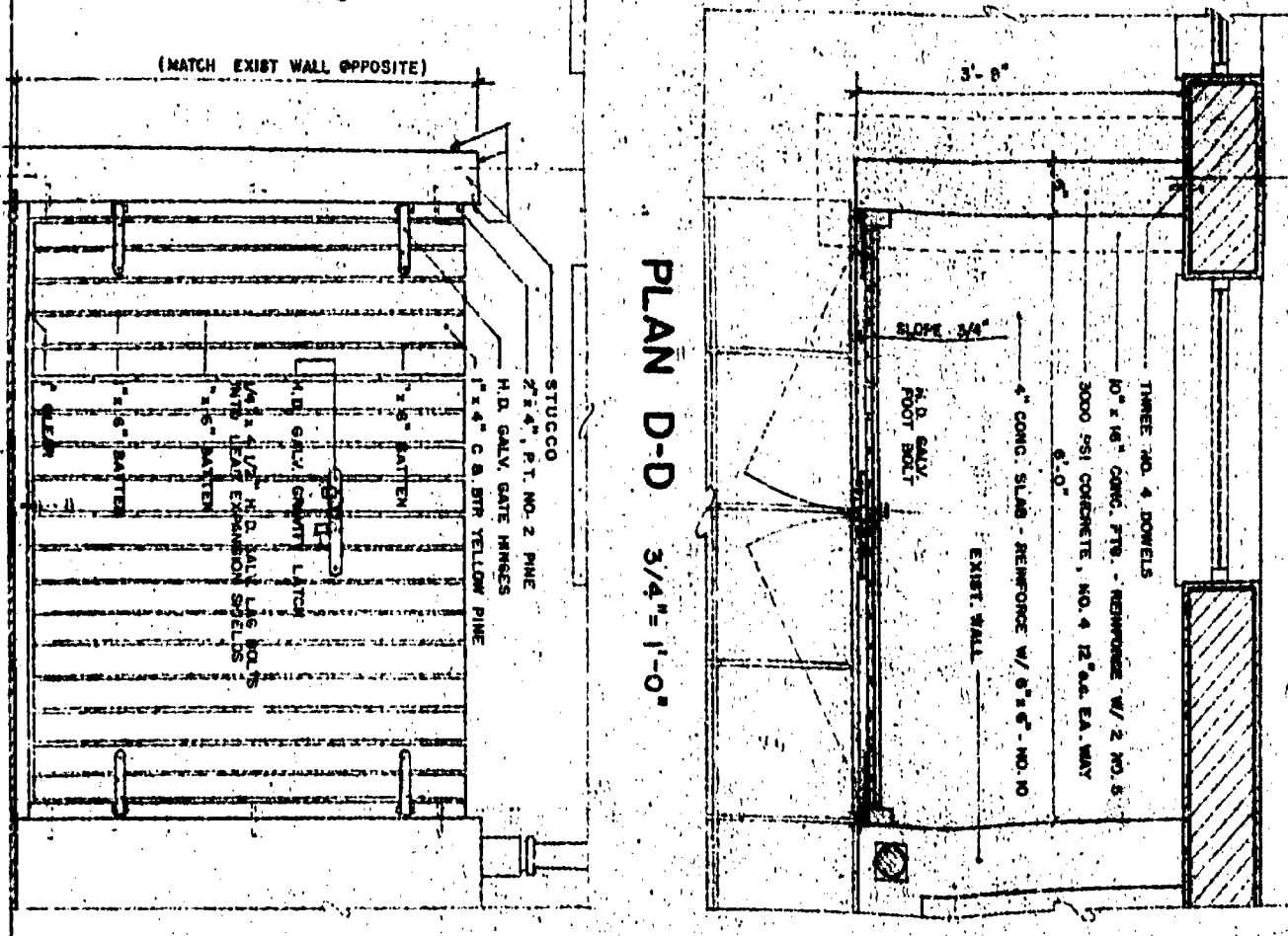
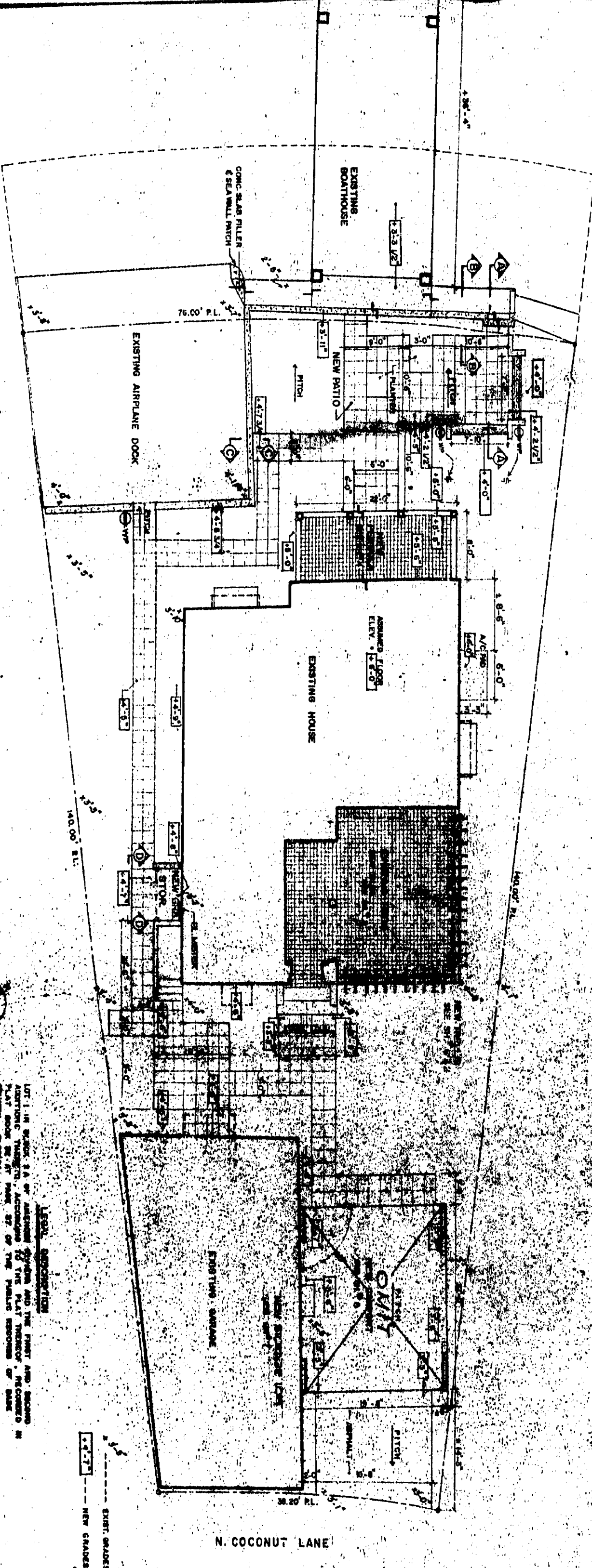
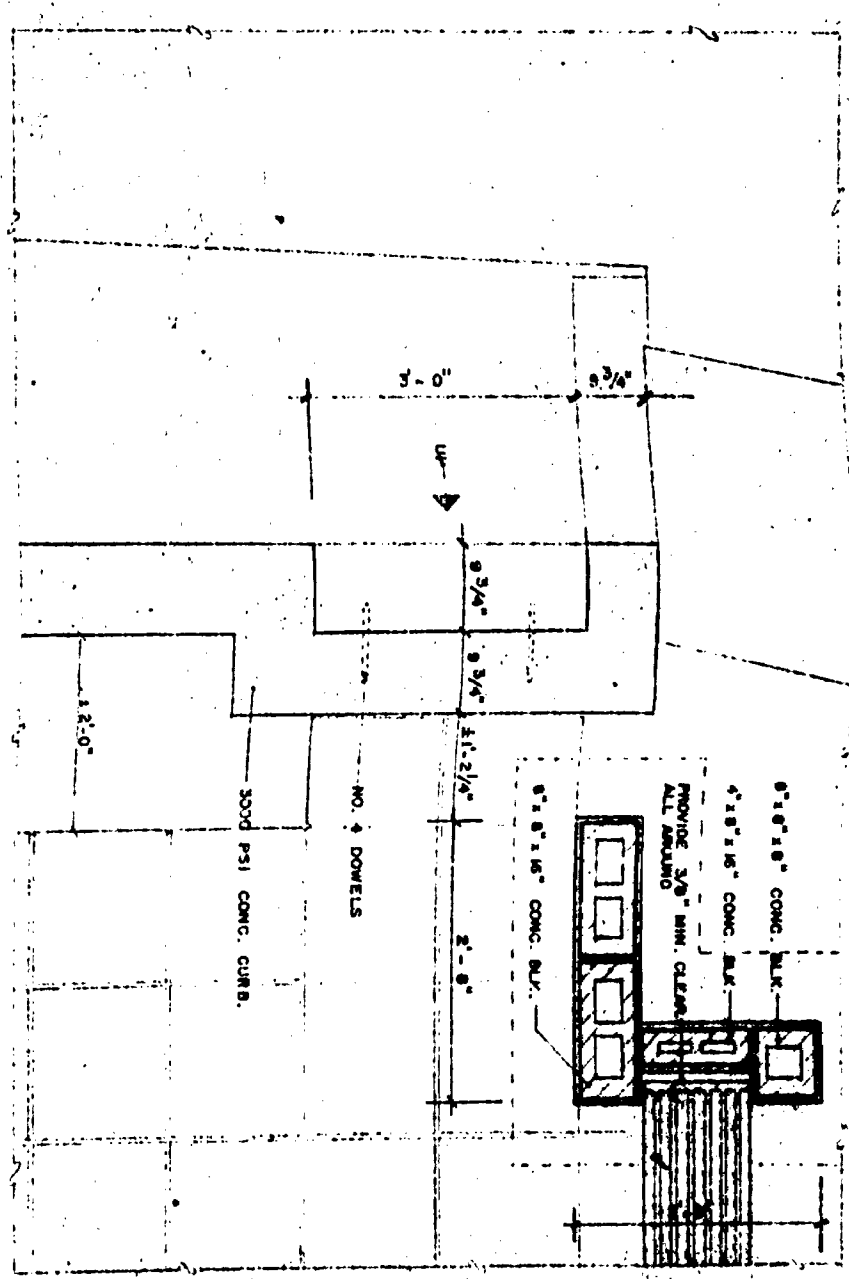
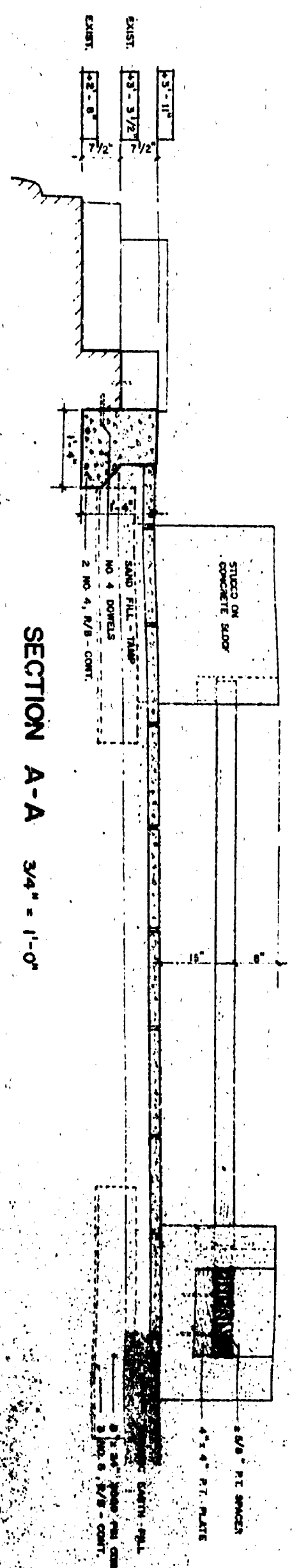
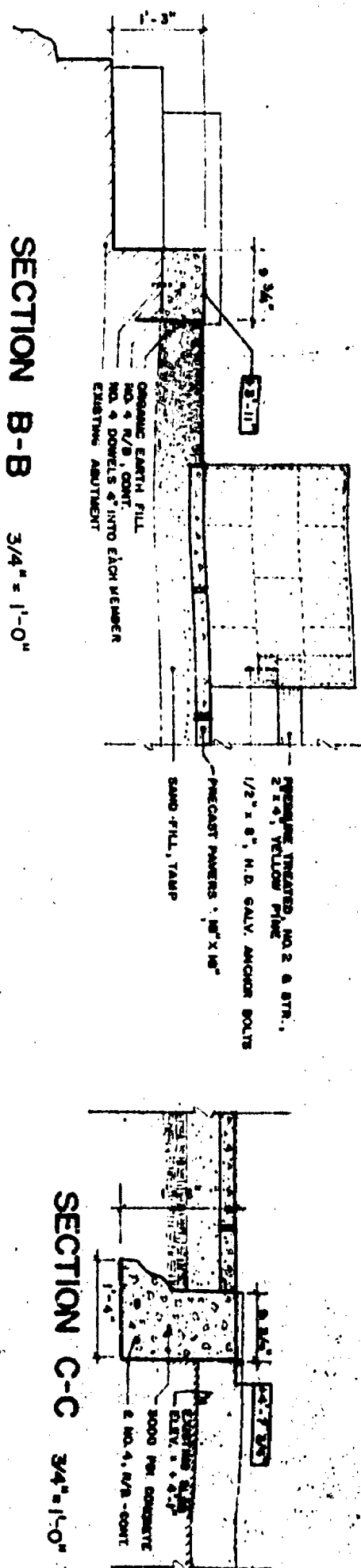
SECTION D-D 34'-0" x 1'-0"

PLAN D-D 34'-0" x 11'-0"

CITY OF MIAMI BEACH

APPROVED

111105



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

OFFICE COPY

SECTION APPROVED 1'-0"

RECEIVED

DECS 1975

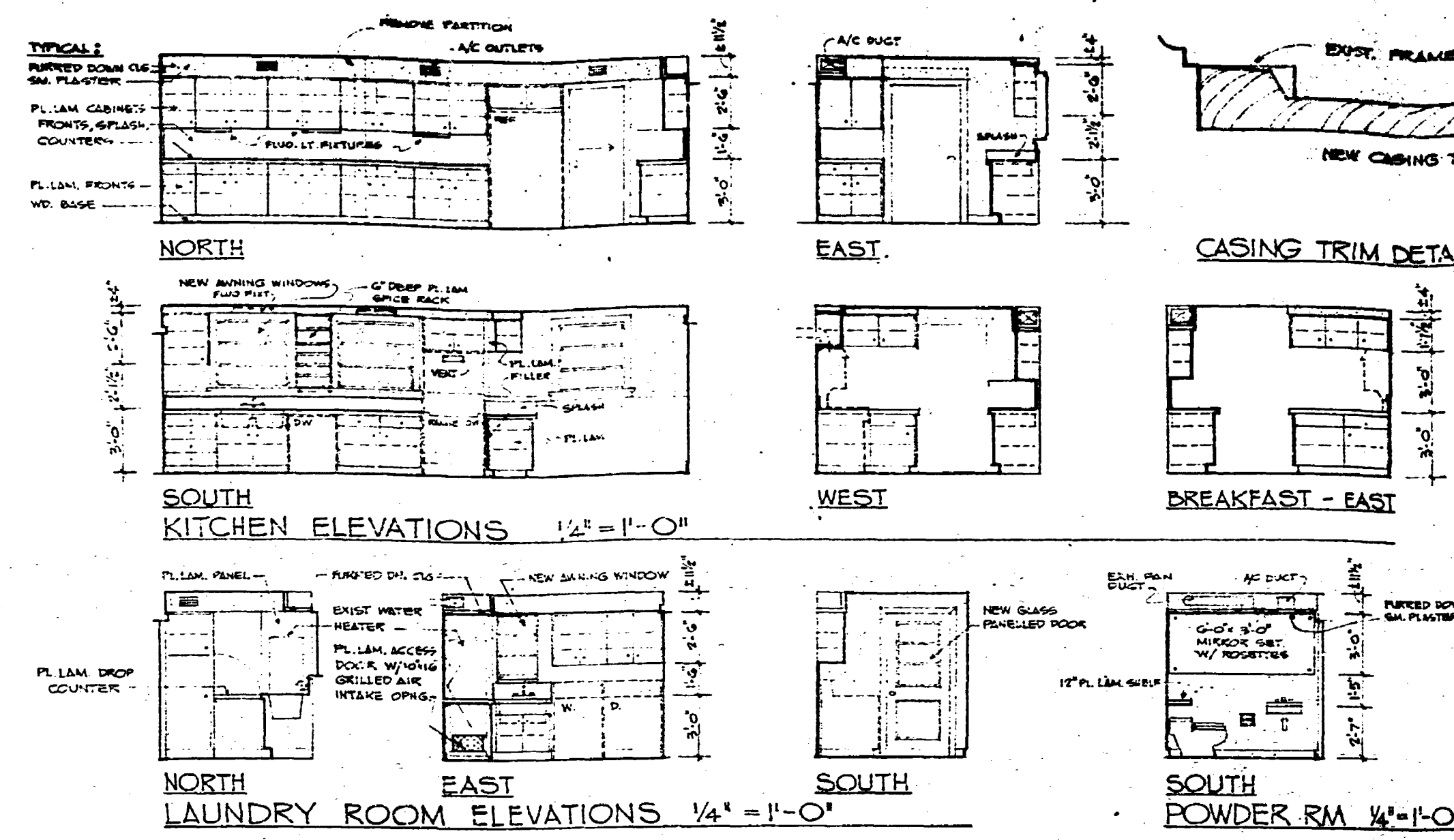
See note on A/C

88966

SITE PLAN and SECTIONS

RESIDENCE OF MR. ARTHUR C. STIFEL III
37 NORTH COCONUT LANE, PALM ISLAND

JAN HOCHSTIM AIA ARCHITECT



OUTLINE SPECIFICATIONS

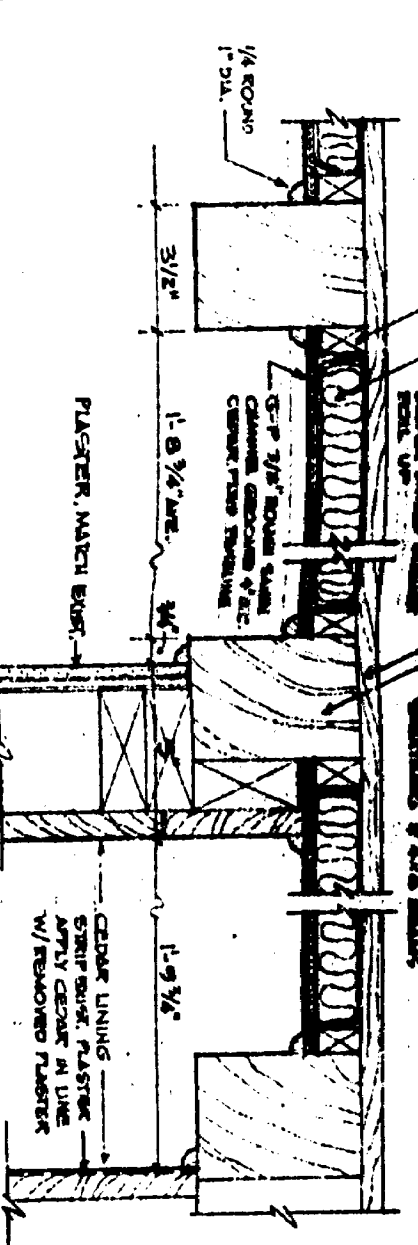
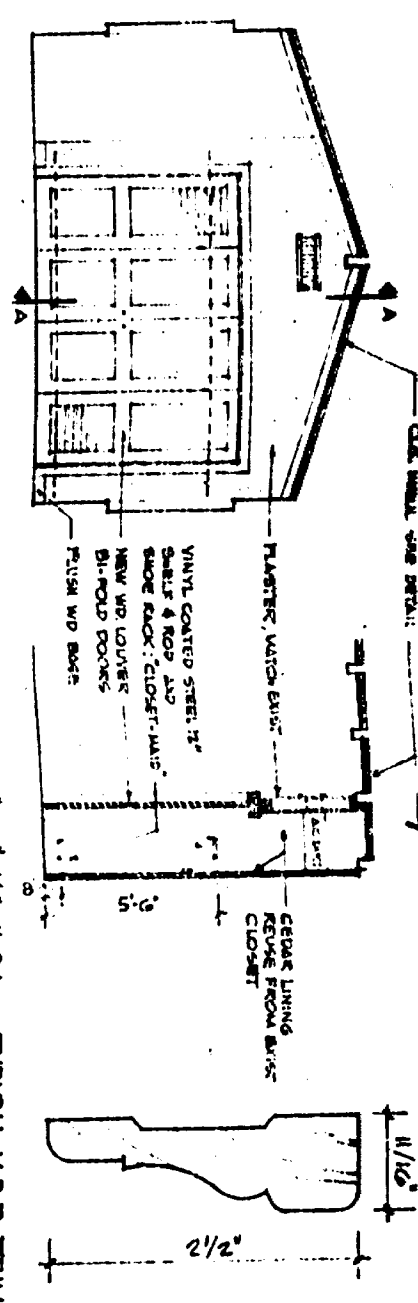
- GENERAL REQUIREMENTS
 - THESE NOTES ARE ONLY SUPPLEMENTS TO NOTES APPEARING ON DRAWINGS AND DO NOT THEREFORE CONSTITUTE THE BASIS OF WORK TO BE PROVIDED.
 - THE CONTRACTOR IS RESPONSIBLE FOR CLASS A WORKMANSHIP ON ALL NEW WORK AND REMEDIATION AND IS RESPONSIBLE FOR REPAIR OF ALL DAMAGED PORTIONS OF THE PROJECT BOTH EXISTING AND THOSE RESULTING FROM NEW CONSTRUCTION.
 - SUBSTITUTIONS - BY WRITTEN APPROVAL OF ARCHITECT.
 - SHOP DRAWINGS - 3 COPIES FOR ARCHITECT'S WRITTEN APPROVAL.
 - ADDITIONAL PROPERTIES - CONTRACTOR BARS FULL RESPONSIBILITY FOR DAMAGES RESULTING FROM WORK ON THIS PROJECT.
 - ALLOWANCES
 - FINISH HARDWARE - \$200.00.
 - ELECTRICAL FIXTURES (OTHER THAN NOTED ON DRAWINGS) - \$400.00.
 - FORM OF CONTRACT - A.I.A. CURRENT EDITION.
- EXTERIOR WORK
 - ASPHALT PAVING - 1" PLANT MIX ON WELL COMPACTED 6" ROCK BASE.
 - PAVERS - MATCH AND/OR REUSE EXIST. 18"x18"x2" PRECAST CONCRETE.
 - SOB - BY OWNER. CONTRACTOR SHALL GRADE SITE TO BE SLOPED TO AN ELEVATION 4" BELOW FINISH GRADES SHOWN.
- CONCRETE - SEE NOTES ON DRAWINGS.
- MASONRY - SEE NOTES ON DRAWINGS.
- METALS
 - STRUCTURAL STEEL - SEE NOTES ON DRAWINGS.
 - ANCHORS & BOLTS - NOT DIF. GALV. ASTM A-193 IN CONTACT WITH MASONRY & CONCRETE.
- WOOD AND PLASTICS
 - ROUSE CARPENTRY
 - SPECIES & GRADES - SEE NOTES ON DRAWINGS.
 - KILN DRIED, 19% MAX MOISTURE CONTENT.
 - FINISH CARPENTRY - MILLWORK
 - TRIM - NO. 2 DOUGLAS FIR - SEAM QUALITY - DIP TREATED WITH CLEAR WOOD PRES.
 - CABINETS, VANITIES, COUNTERS AND SHELVES - AS MANUFACTURED BY PROCESS CABINETS, BOLLANDS, FLA.
- FLOORS & UNFINISHED WALLS - 1/2"
 - FLOORS, DOORS & DRAMMER FRONTS - 5/8"
 - SHELVES & SPLASH - 3/4"
 - COUNTERS - FRONT & ENDS BUILT UP TO 1 1/2"
 - EXTERIOR FINISH - FORMICA, COLOR & TEXTURE AS SELECTED BY OWNER.
 - INTERIOR FINISH - 2 COATS SEMI-GLOSS ENAMEL OVER SEALER COAT.
 - CRACKER HANDMADE - BELLER BRASSING SUB. MOUNTS BY "KAT".
 - LATCHES - MAGNETIC.
 - PULLS & KNOBS - AS SELECTED BY OWNER.
 - REPAIRS CABINET HARDWARE ALUM. SLIDING MIRROR DOOR ASSEMBLY NO. 2040. FOR MIRRORS: SEE 8-1-1 FOR GLASS SHELVING SEE 8-1-2.
 - DOORS - 1 1/2" ECONOMY GRADE, A.W.I. SEC. 1500, BIRCH VENEER - A.W.I. TYPE 1 & 4, DIP TREAT WITH CLEAR WOOD PRES.
- THERMAL AND MOISTURE PROTECTION
 - MERKURINE - 100% MIN. "VISQUEEN" 6" LAPS MIN.
 - INSULATION - U.S. GYPSUM THERMAFLEX SILVER SHIELD BLANKETS, POIL UP.
 - ROOFING - CEMENT CARBIDE TILES "CLEAN" BY ROCKY. MATCH EXISTING.
 - FLASHING & COUNTERTOPPING - 24 GA. GALV. METAL.
 - CEILINGING - KNIFE OR GUN GRADE, PER SPEC. TT-C-577, COLOR TO MATCH FINISH MATS.
- DOORS AND WINDOWS
 - WOOD DOORS - SEE 8-1-1
 - GLASS BUILDING DOORS - MILDOR: PATRICIAN 100 SERIES, BLACK AND FINISH. INTERIOR GLASS - 1/2" CLEAR GLASS. EXTERIOR GLASS - 1/2" CLEAR GLASS. GLAZING BY DOOR MFR. WITH SCREENS IN BLACK AND ALUM. FRAMES, INSTALL DOOR SECURITY NIGHT BOLT IN HEADER, INSTALL PLASTIC DECALS AT WEATHER DECALS AS SELECTED BY OWNER.
 - METAL WINDOWS - BLACK AND ALUM. ANNIHING TYPE BY PAN AMERICAN ALUM. CORP., SERIES 3-1 FACTORY GLAZED, WITH SCREENS IN BLACK AND ALUM. FRAMES.
 - HARDWARE - SEE 8-1-1 (ALLOWANCE).
 - GLAZING
 - MIRRORS - 1/4" POLISHED PLATE GLASS, SILVERED WITH 2 COATS OF NITRATE OF SILVER WITH GROUND EDGES AND GRIPS.
 - GLASS SHELVES - 1/4" POLISHED PLATE GLASS, 4" WIDE SET 1/2" ANGLES 6" MAXIMUM.
- FINISHES
 - BRUGGCO - 1/8" - 3/4", 2 COATS MATCH EXISTING.
 - PLASTER
 - GYP-SUM - 3/8" IN 3 COATS OVER 1/8" GYP-SUM LATH, ASTM C 27.
 - CEMENT - 3/4" TOTAL THICKNESS IN 3 COATS OVER 3/4" GALV. HIGH RIB METAL LATH.
 - TILE
 - CERAMIC TILE - WALLS AND FLOORS: "AMERICAN OCEAN CRYSTALINE" V-50-S, CONVENTIONAL INSTALLATION, COLOR AS SELECTED BY OWNER. PARTS NEEDED:
 - OUT CORNER - A-4402 V-50-S
 - SQUARE UP ANGLE - A-4402 V-50-S
 - BASE - A-4401 V-50-S
 - CUT ANGLES - A-4401 V-50-S AND A-4401 V-50-S
 - QUARRY TILE - 6" x 6" x 1/2" STANDARD GRADE "AMERICAN OCEAN - MURRAY" V-50-S WITH BLACK GROUT ABSORBER.
 - RESILIENT FLOORING - SILENT VINYL "CORCORAN COLLECTION .090 GAUGE BY ARMYPRODS, COLOR AND PATTERN AS SELECTED BY OWNER.
 - WOOD PANELLED CEILING - SEE NOTES ON DRAWINGS.
 - UBANDON CEILING - 2"x4" ALUM. SUSPENSION GRID EC-4 AND WHITE ACRYLIC PLAT LENSES CAT. NO. 5-45 BY WILSON, BRIE, PA.
 - PAINTING - BENJAMIN MOORE, UNLESS NOTED OTHERWISE.
 - ZINC COATED METAL - WASH W/MINERAL SPIRITS - 1 COAT METAL ETCH AND 2 COATS EXTERIOR METAL PAINT.
 - ALUMINUM (WINDOWS) - WASH W/MINERAL SPIRITS - 1 COAT ZINC CHROMATE PRIMER AND 2 COATS EXTERIOR SEMI GLOSS ENAMEL.
 - EXTERIOR WOOD, NATURAL FINISH - "GLASS" 5" GREENGLASS STAIN - 2 COATS.
 - EXTERIOR WOOD, PAINTED - 1 COAT EXT. WD. PRIMER & 2 COATS EXT. OIL (SATIN).
 - INTERIOR WOOD, NATURAL - "CARBON" INT. SATIN WAX - 2 COATS RUBBED ON & BUFFED.
 - INTERIOR WOOD, PAINTED - 1 COAT PRIMER & 2 COATS SEMI-GLOSS ALKYD ENAMEL.
 - PLASTER - 3 COATS ON NEW, 2 COATS ON EXIST. - FEDERAL WALL SATIN.
 - BRUGGCO, GEM, PLASTER, CONC. BLOCKS, CONCRETE - 2 COATS MCGRAW HILL LATEX REDUCED PRIMER ON REDUCED CONC. USE FULL COAT BLACK FILLER BEFORE PAINTING.
 - STRUCTURAL STEEL - BURN PRIMER PLUS ZINC CHROMATE PRIMER & 2 COATS OF INTERIOR ENAMEL.
 - MIRRORS - 1" SILL - COLORED, COLOR AS SELECTED BY OWNER.
 - PLASTIC LAMINATE - SEE 8-1-2.
- SPECIALTIES
 - SMITERS - EMAMA (SEENADA), SWINGING & 2-FOLD - PAINTED ALUM. "POLYMER" BY WILLARD SMITERS CO., INC.
 - DISAPPEARING STAIRS - WOOD "SUPER SIMPLEX" FOLDING STAIRWAY BY PRECISION TEST CO., NASHVILLE, TENN.
 - SHOWER AND TUB ENCLOSURES - "SHOWETTE - ELUDRADO" MODEL NO. 667 SPECIAL TRIPLEX, MILDRED POLISHED AND ALUM. SILVER CHROME WITH 2 TOWEL BARS, PLECTO GLASS WITH 7/16" TEMPERED PROTECTED GLASS, UNITS BY THEODORE EFRON MFG. CO.
 - BATHROOM ACCESSORIES - "MALL-MACK" "CORONADO" SERIES:
 - TOWEL BARS
 - POWDER RM. - MODEL NO. 674 - 10"
 - MASTER BATH RM. - MODEL NO. 694 - 24" & 32"
 - BATH RM. #1 - MODEL NO. 689
 - SOAP & GRAB - MODEL NO. 692
 - GLASS HOLDERS - MODEL NO. 695
 - PAPER HOLDERS - MODEL NO. 679
 - HOOK (MASTER BATH SHOWER) - MODEL NO. 682
 - GLASS SHELVING - SEE 8-1-2
 - NEW CLOSET NO. 3 (HBR) SHEDDING & SHOE RACK - SEE NOTES ON DRAWINGS.
- EQUIPMENT
 - APPLIANCES - RANGE/OVEN, DISHWASHER, REFRIGERATOR, WASHING MACHINE AND DRYER SUPPLIED BY OWNER, INSTALLED BY GENERAL CONTRACTOR.
- FURNISHINGS
- SPECIAL CONSTRUCTION - THESE DIVISIONS DO NOT APPLY
- CONVEYING SYSTEMS
- MECHANICAL
 - PLUMBING
 - SOIL & VENT PIPING - CAST IRON.
 - HOT & COLD WATER PIPING - INSIDE: COPPER & GALV. STEEL; OUTSIDE: P.V.C.
 - HOSE BIRDS - "TANNER" NO. 701 ALL BRASS; PROVIDE VACUUM BREAKERS.
 - PROVIDE VALVES AT ALL FITTINGS AND/OR EQUIPMENT, PROVIDE AIR CHAMBERS AT EACH FITTING OR GROUP OF FITTINGS.
 - INSULATE HOT WATER PIPING WITH 1/2" THICK FIBERGLASS TYPE INSULATION.
 - SPRINKLER SYSTEM - SEPARATE CONTRACT.
 - PLUMBING FIXTURES
 - KITCHEN SINK - ELKAY "LUSTERLINE" LR 5322, 4 HOLES WITH DELTA FAUCET MODEL 100 DECK WITH SPRAY ATTACHMENT.
 - LAUNDRY SINK - ELKAY "LUSTERLINE" LR 5322-10 WITH JK 223 FAUCET & TRIM.
 - POWDER RM. LAVATORY - BRIGGS - "WEB BATH" 1/2" x 1/2" MODEL NO. 6204 WITH DELTA STOCK NO. 8502 FAUCET.
 - BATHROOM LAVATORIES - CRANE "CELETTE" 1-1/2" x 1/2" WITH DELTA FAUCET & TRIM STOCK NO. 5554.
 - WATER CLOSETS - BRIGGS "THE DIPLOMAT" MODEL NO. 6054.
 - SHOWER FITTINGS - DELTA STOCK NO. 1224 DELTA PRESSURE BALANCED.
 - FIXTURE COLORS AS SELECTED BY OWNER.
 - AIR DISTRIBUTION
 - EXHAUST FANS AND EXH. FAN-LIGHT-HEATER COMB. BY NUTONE, SEE NOTES ON DRAWINGS.
 - AIR CONDITIONING - FEEDERS, SEE NOTES ON DRAWINGS, DUCTS, REFRIGERS, ETC., TYPES & SIZES BY A/C CONTRACTOR. SUBMIT COMPLETE DRAWINGS AND SPEC. FOR ARCHITECT'S APPROVAL.
- ELECTRICAL
 - GENERAL - EXISTING AVAILABLE METERED POWER SUPPLY = 400 AMP, 120/240V, ALL NEW AND REARRANGED POWER AND LIGHTING DISTRIBUTION SHALL BE CONNECTED TO THE EXISTING POWER SOURCE.
 - TOGGLE SWITCHES - 1-P SW - SIEMENS 5001; 3-P SW - SIEMENS 5015.
 - DUPLEX RECEPTACLES - SIEMENS 1802.
 - ALL WIRING - COPPER.
 - RACEWAYS - GALV. RIGID STEEL CONDUIT ON INSIDE, P.V.C. ON OUTSIDE.
 - FUTURES - ALLOWANCE, SEE 1-1-2, GEN. CONTRACTOR SHALL CONNECT & INSTALL.
 - CEILING - SEE 8-1-1.
 - POWER SURGE PROTECTION - PROVIDE AND INSTALL HOME LIGHTNING PROTECTION G.B. CATAL. NO. 2115-DCB-002.

1. Endeavor to Drain No. 4 to terminate under House

CITY OF MIAMI BEACH
APPROVED
DATE
BUILDING BY: [Signature]
ZONING BY: [Signature]
PLUMBING BY: [Signature]
ELECTRICAL BY: [Signature]
MECHANICAL BY: [Signature]
FIRE PREVENTION [Signature]
ENGINEERING [Signature]

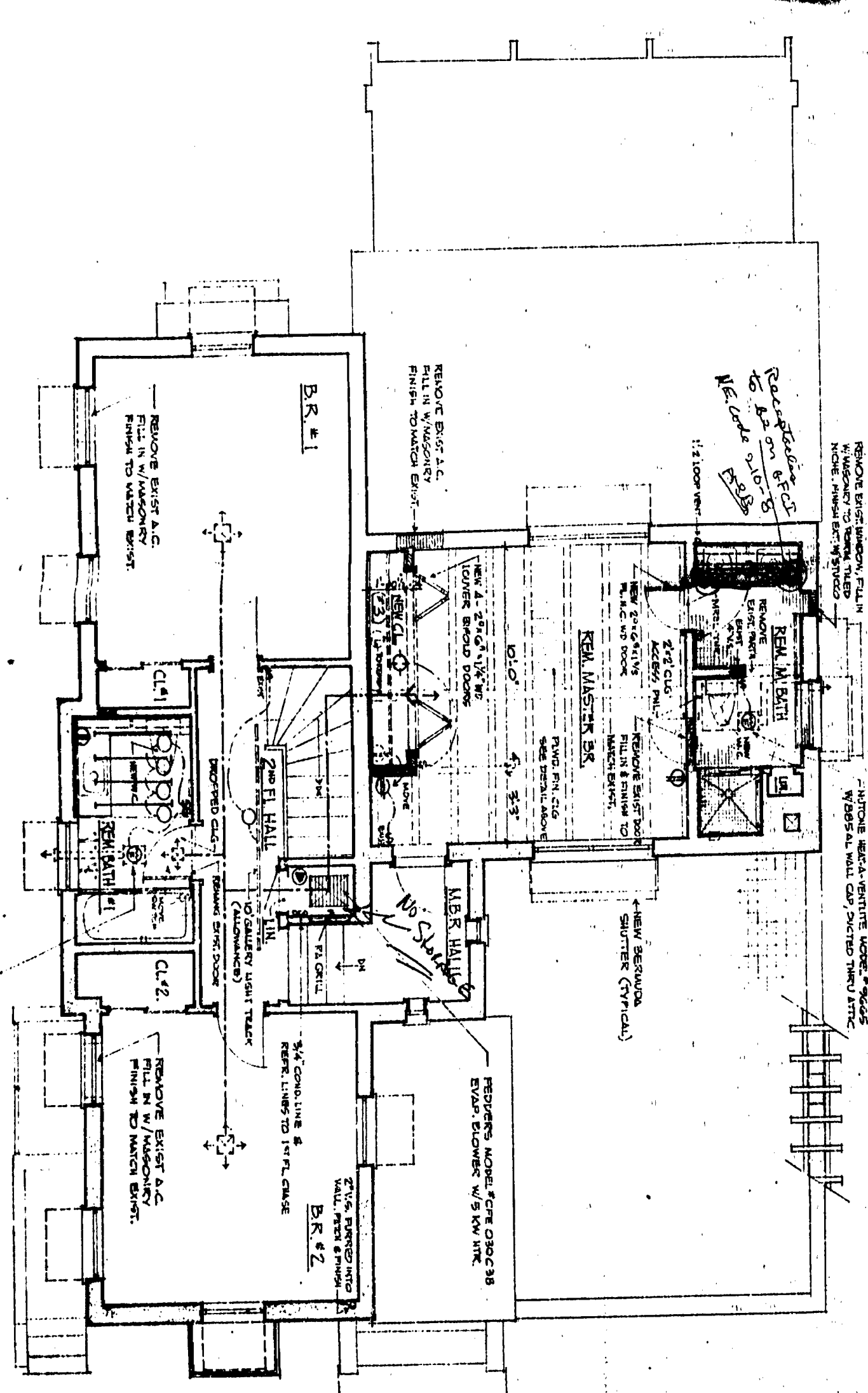
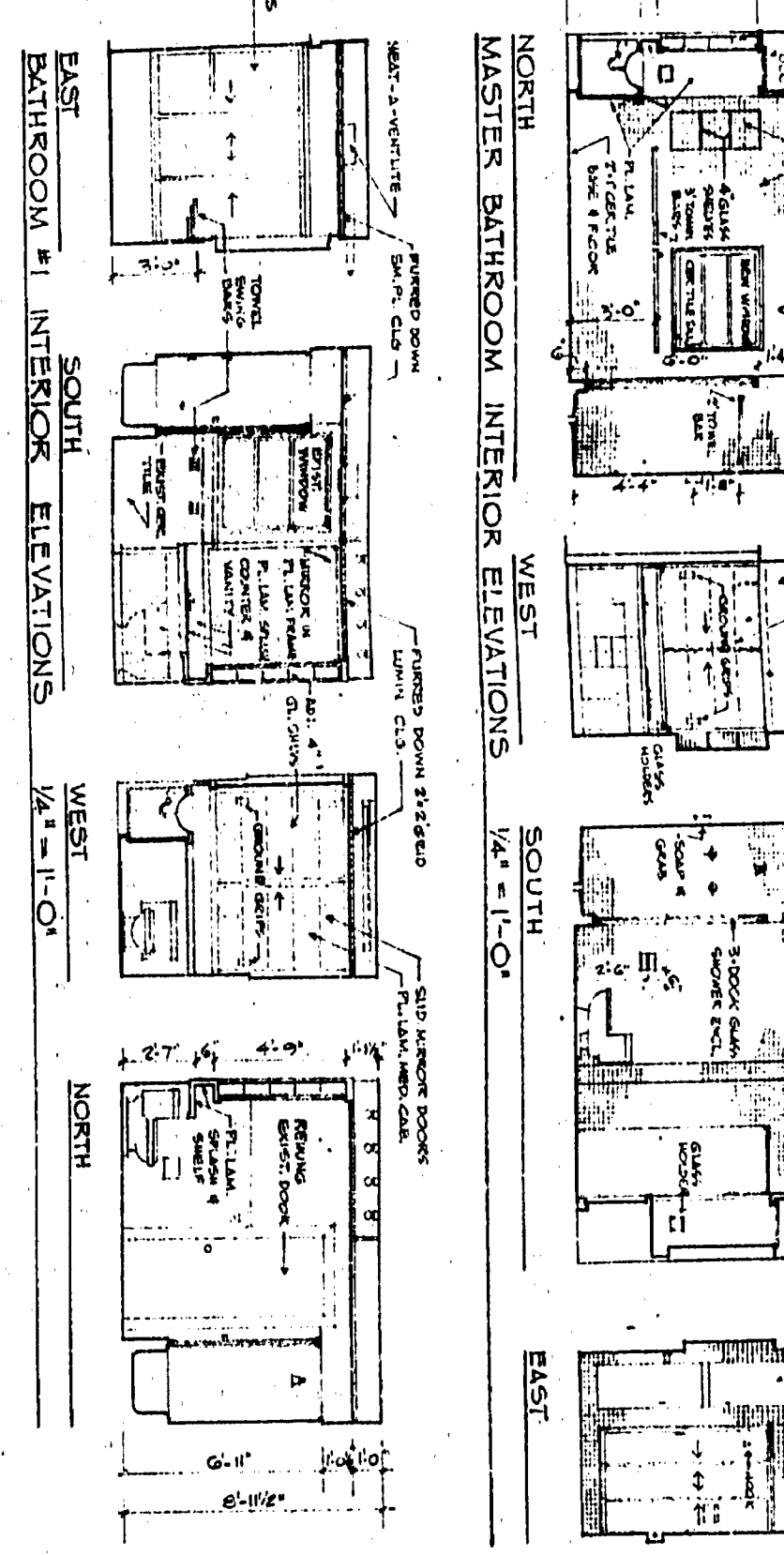
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DEC 5 1975
BUILDING INSPECTION DIVISION

88966



MASTER BR - SOUTH WALL 1/4" = 1'-0" SECTION 1/4" = 1'-0" TYPICAL M.B.R. TRIM FULL SCALE

MASTER BR. CEILING INSULATION DETAIL 3/4" = 1'-0"



SECOND FLOOR PLAN 1/4" = 1'-0" NOTE: INSULATE ENTIRE 2ND FLOOR SPACE W/ 1/2" U.S.G. THERMA-SEAL W/ 1/2" U.S.G. THERMA-SEAL FLOOR JOIST.

FINISH SCHEDULE												
#	DESCRIPTION	FLOOR	BASE	WALLS	SILLS	CEILING	MISCELL.	REMARKS				
1	EXISTING GARAGE	QUARRY TILE										
2	NEW CARPORT	CERAMIC TILE										
3	EXISTING PATIO	CARPET										
4	NEW TERRAZZO	VINYL TILE										
5	EXISTING BATHHOUSE	WOOD										
6	NEW GARAGE SHED	EXPOSED CONC										
7	POVER	WOOD, APPLIED										
8	LIVING ROOM	WOOD, FLUSH										
9	L.R. CLOSET	CERAMIC TILE										
10	FILE ROOM	OTHER										
11	DINING ROOM	PLASTER, TEXTURED										
12	NEW BREAKFAST RM.	PLASTER, SMOOTH										
13	NEW KITCHEN	CERAMIC TILE										
14	NEW HALLWAY	WOOD PANELING										
15	NEW HALL	CEMENT PLASTER										
16	NEW BREAKFAST ROOM	STUCCO										
17	2ND FLOOR HALL	OTHER										
18	MASTER B.R. WALL	WOOD										
19	BEDROOM #1	CERAMIC TILE										
20	CLOSET #1	OTHER										
21	BEDROOM #2	PLASTER, TEXTURED										
22	CLOSET #2	PLASTER, SMOOTH										
23	LINEN CLOSET	CERAMIC TILE										
24	NEW BATHROOM #1	WOOD PANELING										
25	NEW MASTER B.R.	CEMENT PLASTER										
26	NEW CLOSET (S)	OTHER										
27	NEW MASTER BATHROOM	WOOD										
28	EXIST. M. B.M. CEMENT CL.	CERAMIC TILE										

1	NEW/OLD NEW/EXIST.	
2	REMOVE EXIST.	
3	REPLACE W/ EXIST.	
4	SEE REMARK #1	
5	NEW GARAGE LOT	

1	WHITE NUMBER IN CONC.	
2	REMOVE MUD, CONC.	
3	STILL TRAIL, DRINK	
4	1. 1/2" REPAIR AIR IN WALL	
5	1. 1/2" REPAIR AIR IN WALL	
6	1. 1/2" REPAIR AIR IN WALL	
7	1. 1/2" REPAIR AIR IN WALL	
8	1. 1/2" REPAIR AIR IN WALL	
9	1. 1/2" REPAIR AIR IN WALL	
10	1. 1/2" REPAIR AIR IN WALL	
11	1. 1/2" REPAIR AIR IN WALL	
12	1. 1/2" REPAIR AIR IN WALL	
13	1. 1/2" REPAIR AIR IN WALL	
14	1. 1/2" REPAIR AIR IN WALL	
15	1. 1/2" REPAIR AIR IN WALL	
16	1. 1/2" REPAIR AIR IN WALL	
17	1. 1/2" REPAIR AIR IN WALL	
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9	1. 1/2" REPAIR AIR IN WALL	
10	1. 1/2" REPAIR AIR IN WALL	
11	1. 1/2" REPAIR AIR IN WALL	
12	1. 1/2" REPAIR AIR IN WALL	
13	1. 1/2" REPAIR AIR IN WALL	
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9	1. 1/2" REPAIR AIR IN WALL	
10	1. 1/2" REPAIR AIR IN WALL	
11	1. 1/2" REPAIR AIR IN WALL	
12	1. 1/2" REPAIR AIR IN WALL	
13	1. 1/2" REPAIR AIR IN WALL	
14	1. 1/2" REPAIR AIR IN WALL	
15	1. 1/2" REPAIR AIR IN WALL	
16	1. 1/2" REPAIR AIR IN WALL	
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1	NEW/OLD NEW/EXIST.	
2	REMOVE EXIST.	
3	REPLACE W/ EXIST.	
4	SEE REMARK #1	
5	NEW GARAGE LOT	

1	WHITE NUMBER IN CONC.	
2	REMOVE MUD, CONC.	
3	STILL TRAIL, DRINK	
4	1. 1/2" REPAIR AIR IN WALL	
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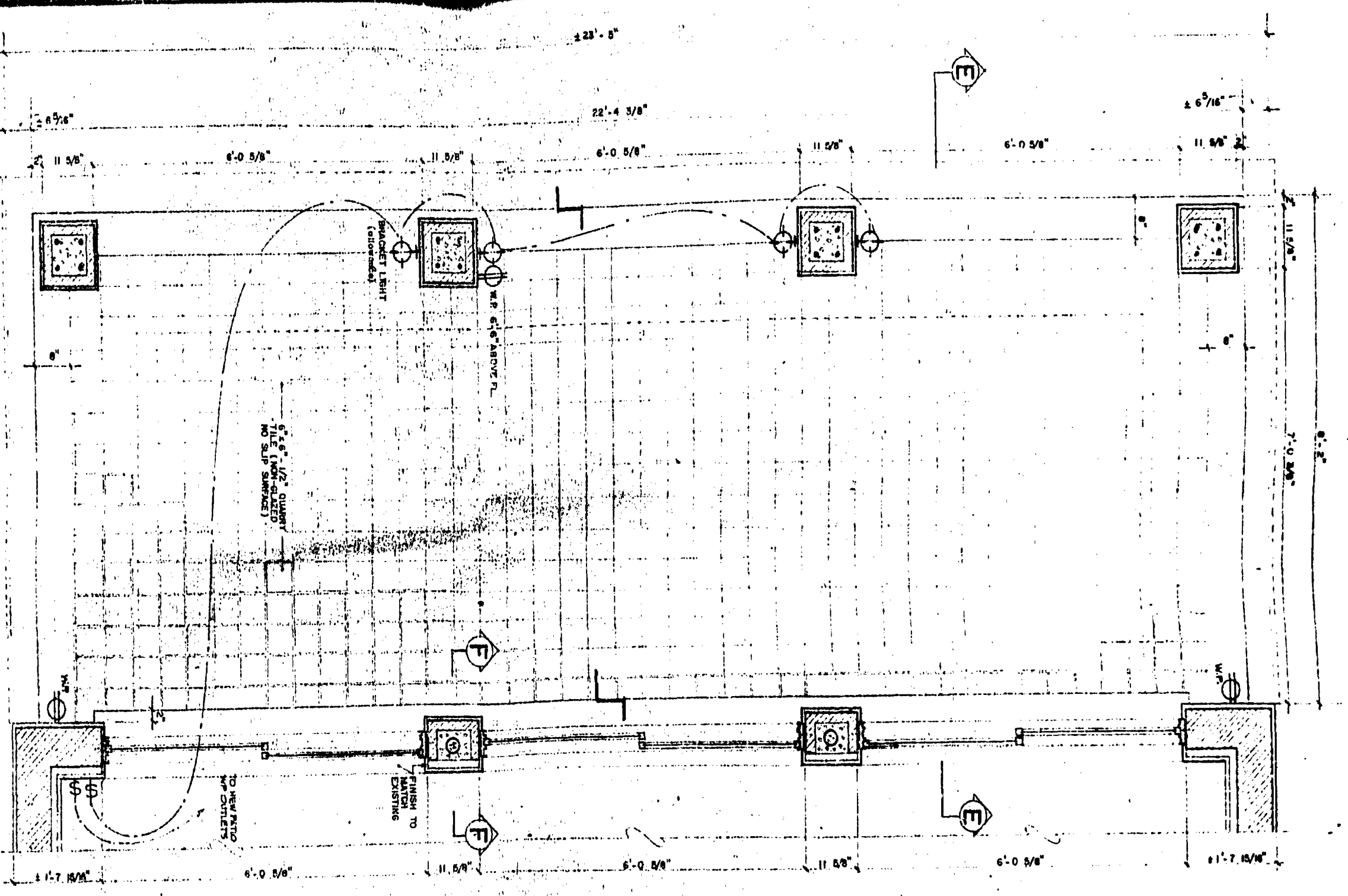
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RECEIVED
JAN 10 1965
JAN HOCHSTIM AIA ARCHITECT

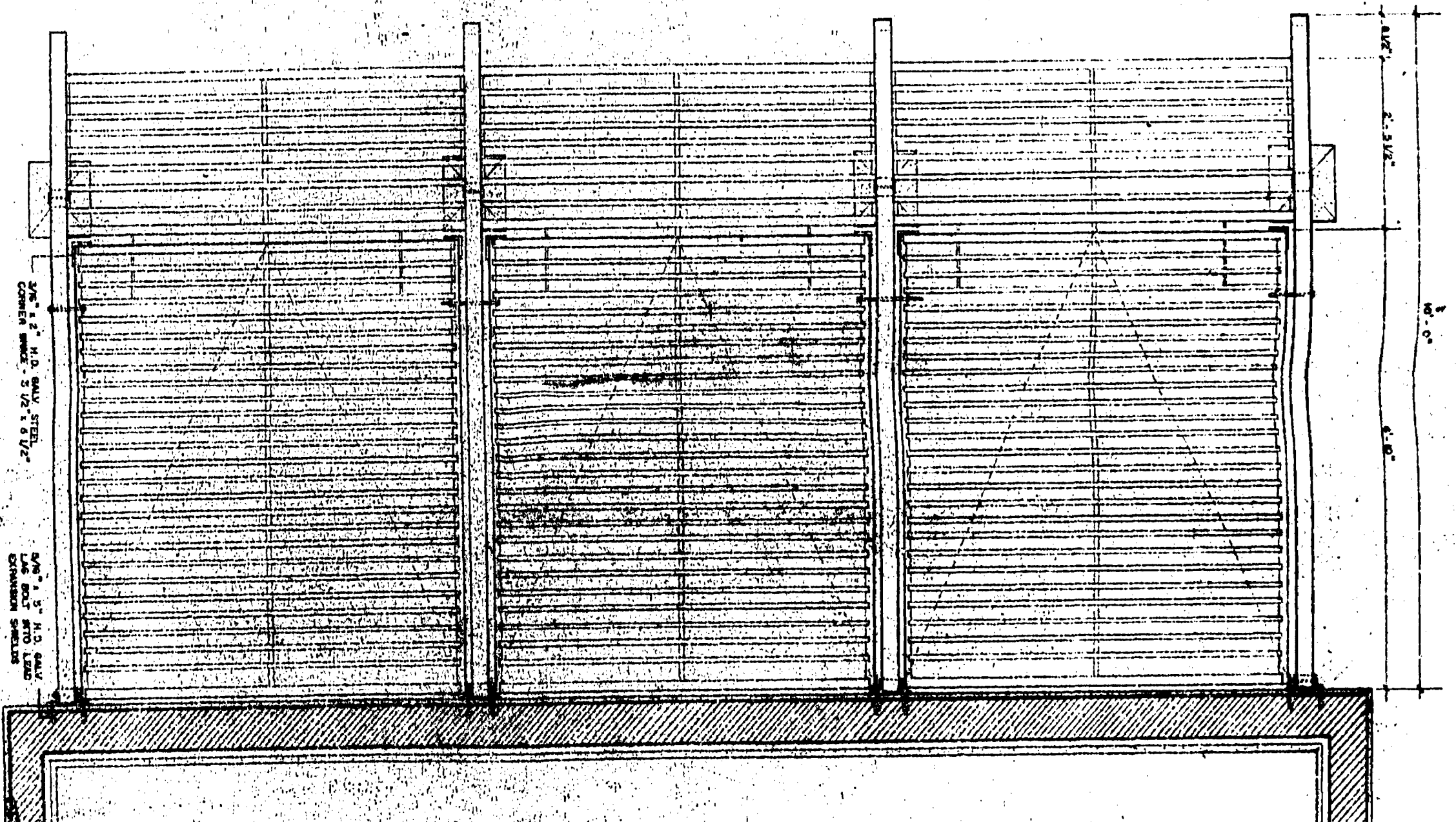
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JAN HOCHSTIM AIA ARCHITECT
PAUL BUISSON DPLG CONSULTANT

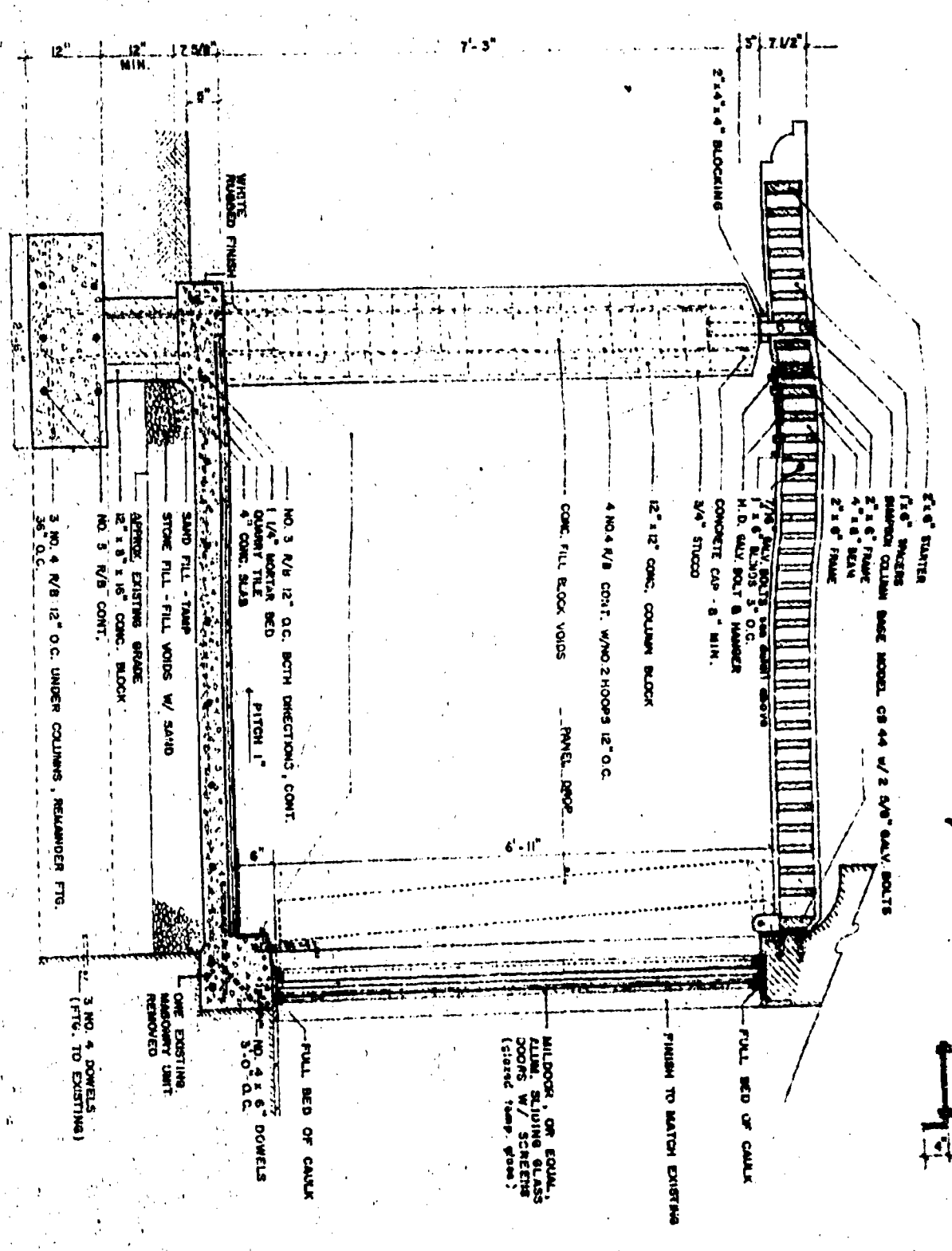
RESIDENCE of MR. ARTHUR C. STIFEL III
317 NORTH COCONUT LANE, PALM ISLAND



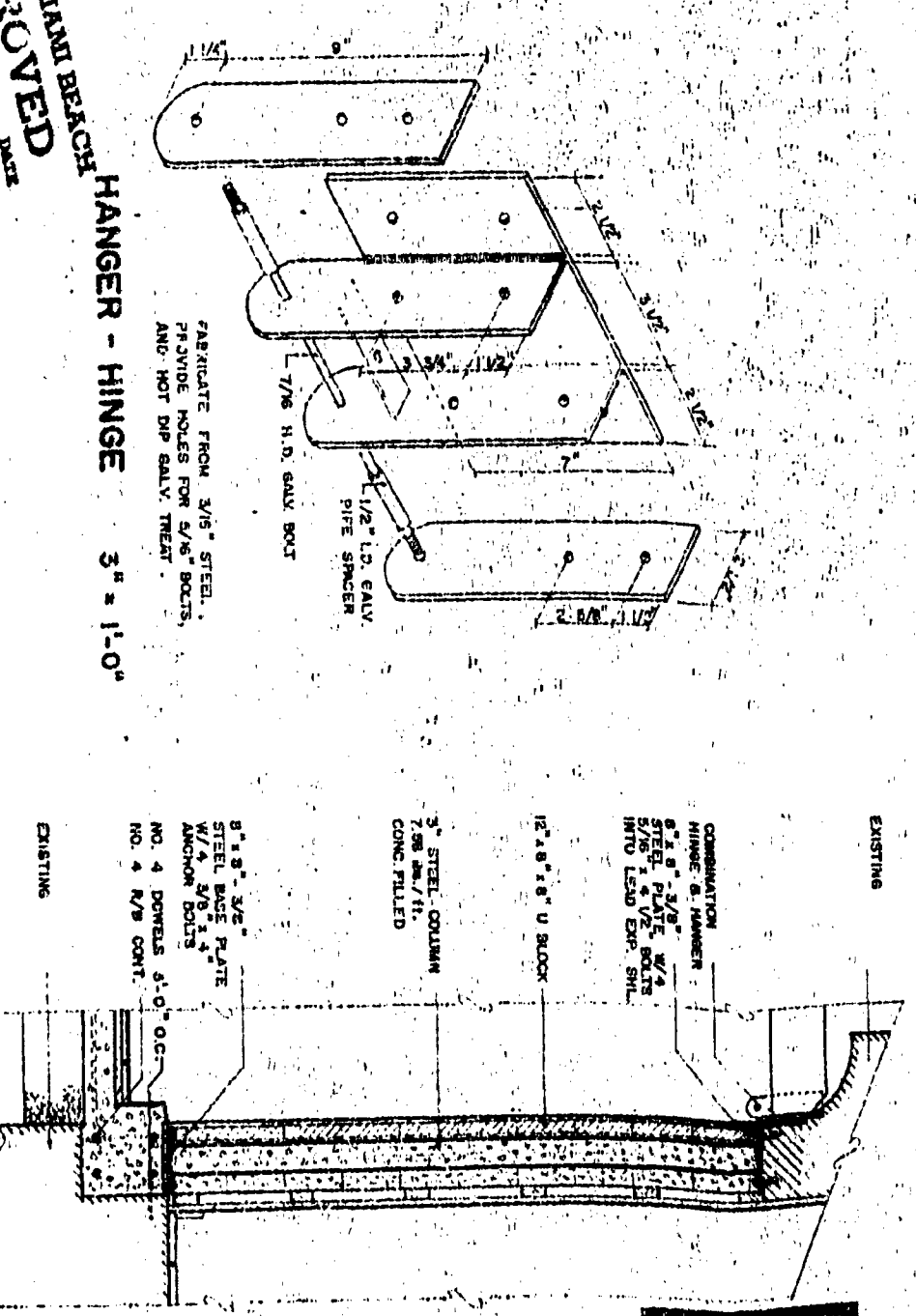
FLOOR PLAN 3/4" = 1'-0"



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



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



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

APPROVED
BY MR. ARTHUR C. STIFEL III
DATE: 12/15/55

NOTES:
CONCRETE TO BE 3000 PSI THROUGHOUT.
REINFORCING STEEL 60,000 PSI THROUGHOUT.
ALL OTHER STEEL ASTM A36 - 65T, PRIME.
WITH 1 COAT ZINC CHROMATE EXCEPT GALV.
ALL WOOD NO. 2 & BETT. WEST. RED.
ALL WALLS MONEL.
DEC 5 1955

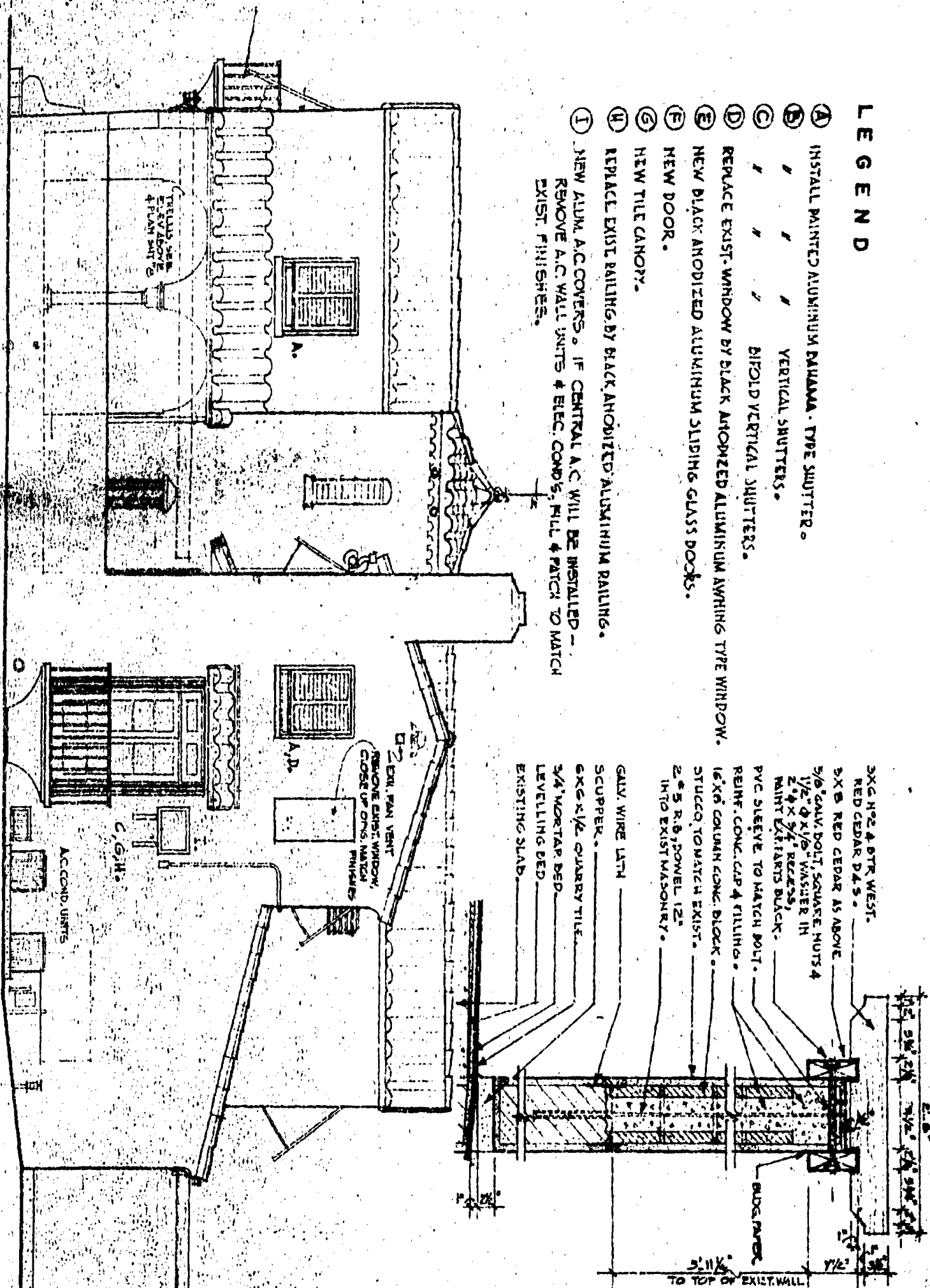
OFFICE COPY

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

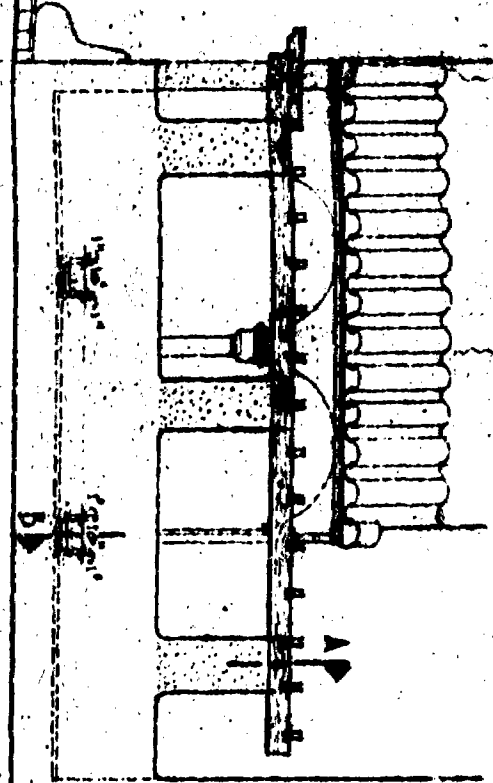
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LEGEND

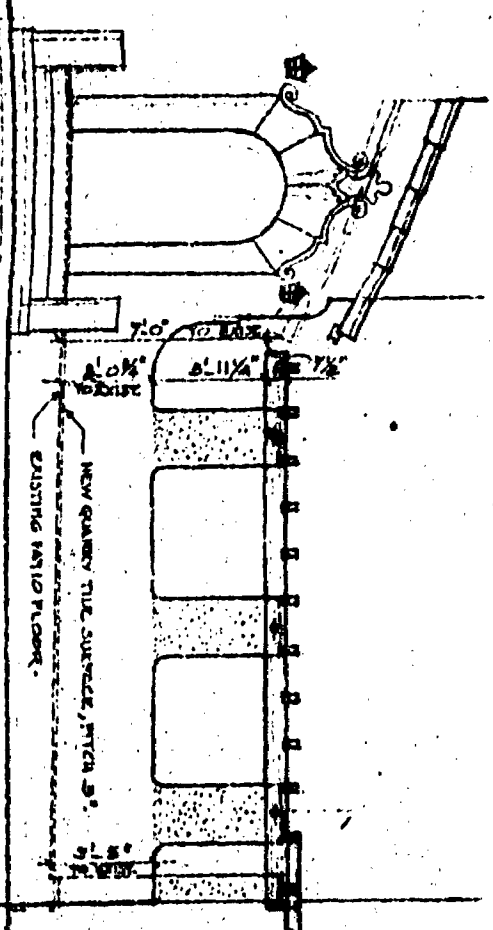
- ① INSTALL PAINTED ALUMINUM BALUNAS - TYPE SHUTTER.
- ② / / / VERTICAL SHUTTERS.
- ③ / / / BIPLOD VERTICAL SHUTTERS.
- ④ REPLACE EXIST. WINDOW BY BLACK ANODIZED ALUMINUM SLIDING TYPE WINDOW.
- ⑤ NEW BLACK ANODIZED ALUMINUM SLIDING GLASS DOOR.
- ⑥ NEW DOOR.
- ⑦ NEW TILE CANOPY.
- ⑧ REPLACE EXIST. RAILING BY BLACK ANODIZED ALUMINUM RAILING.
- ⑨ NEW ALUM. A.C. COVERS. IF CENTRAL A.C. WILL BE INSTALLED - REMOVE A.C. WALL UNITS & ELEC. COVERS, FILL & PATCH TO MATCH EXIST. FINISHES.



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

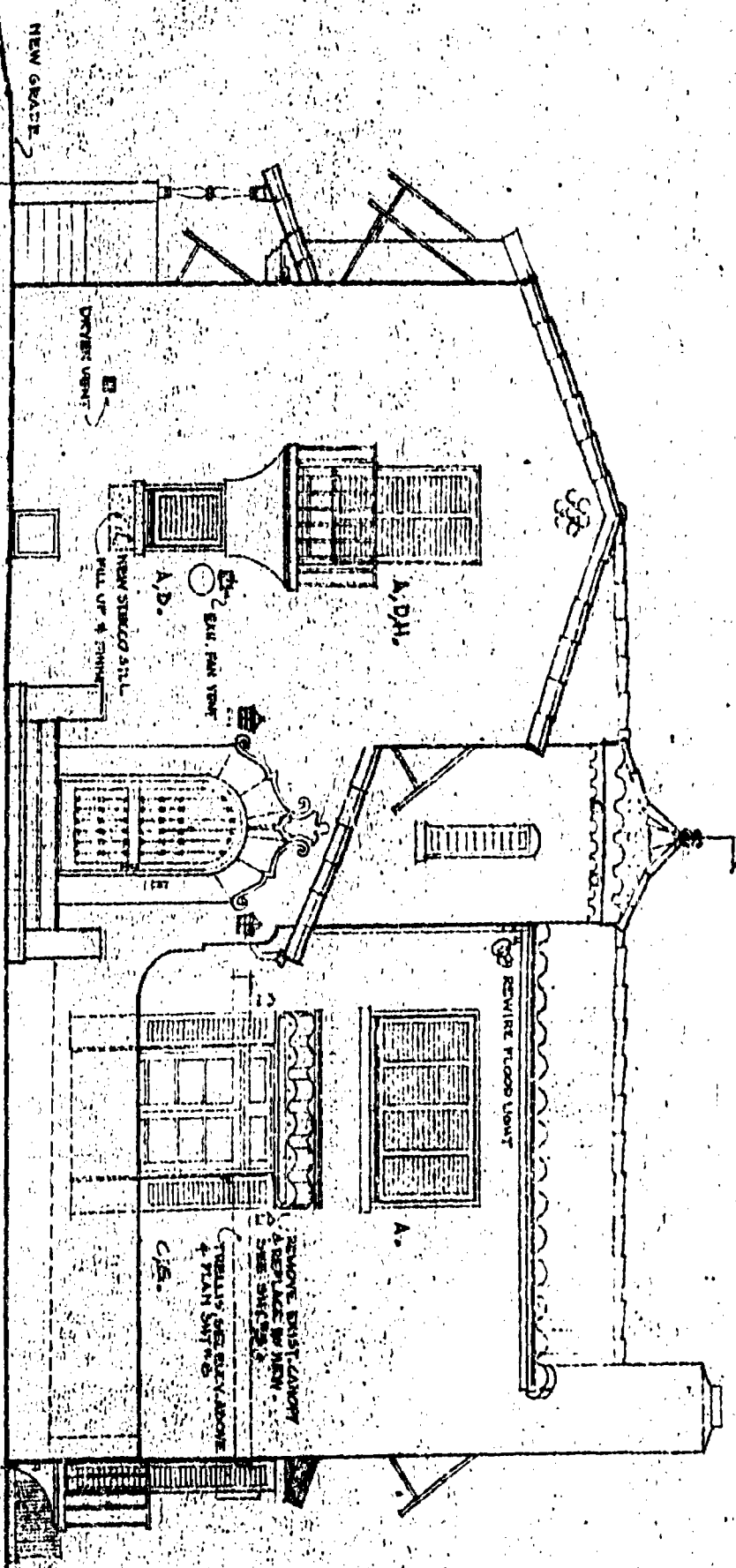


TRELLIS, NORTH ELEVATION 1/4" = 1'-0"

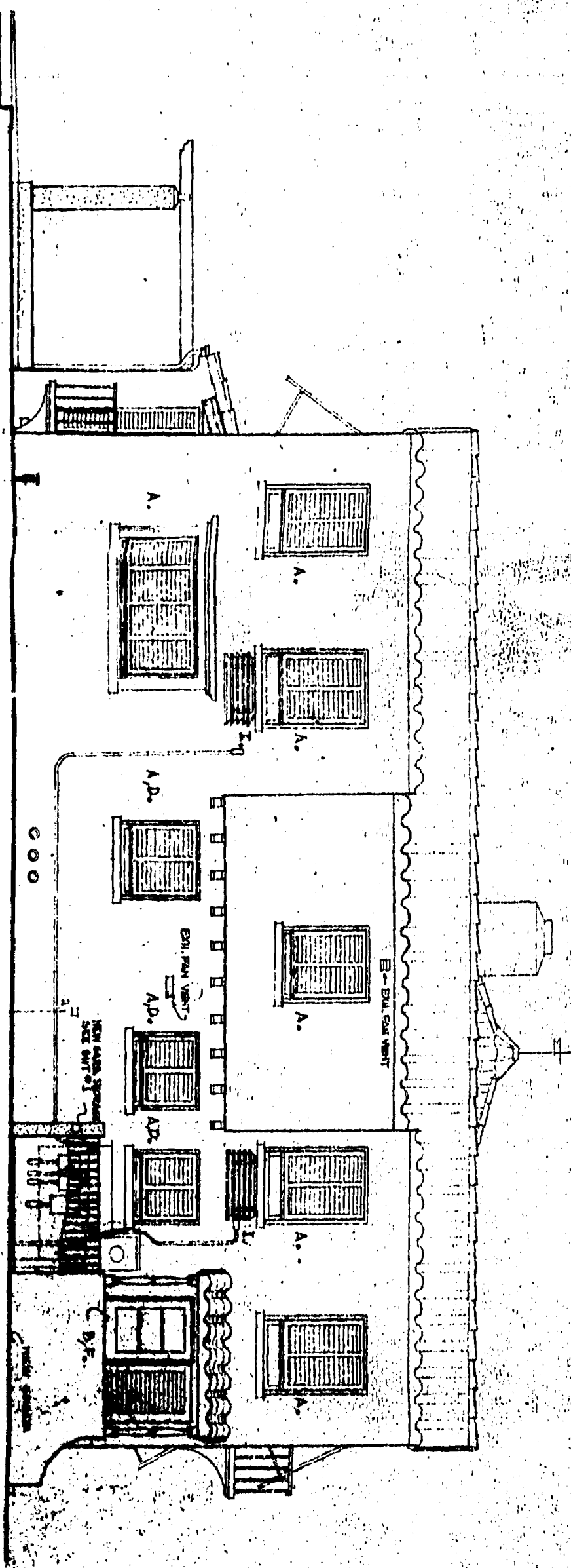


TRELLIS, EAST ELEVATION 1/4" = 1'-0"

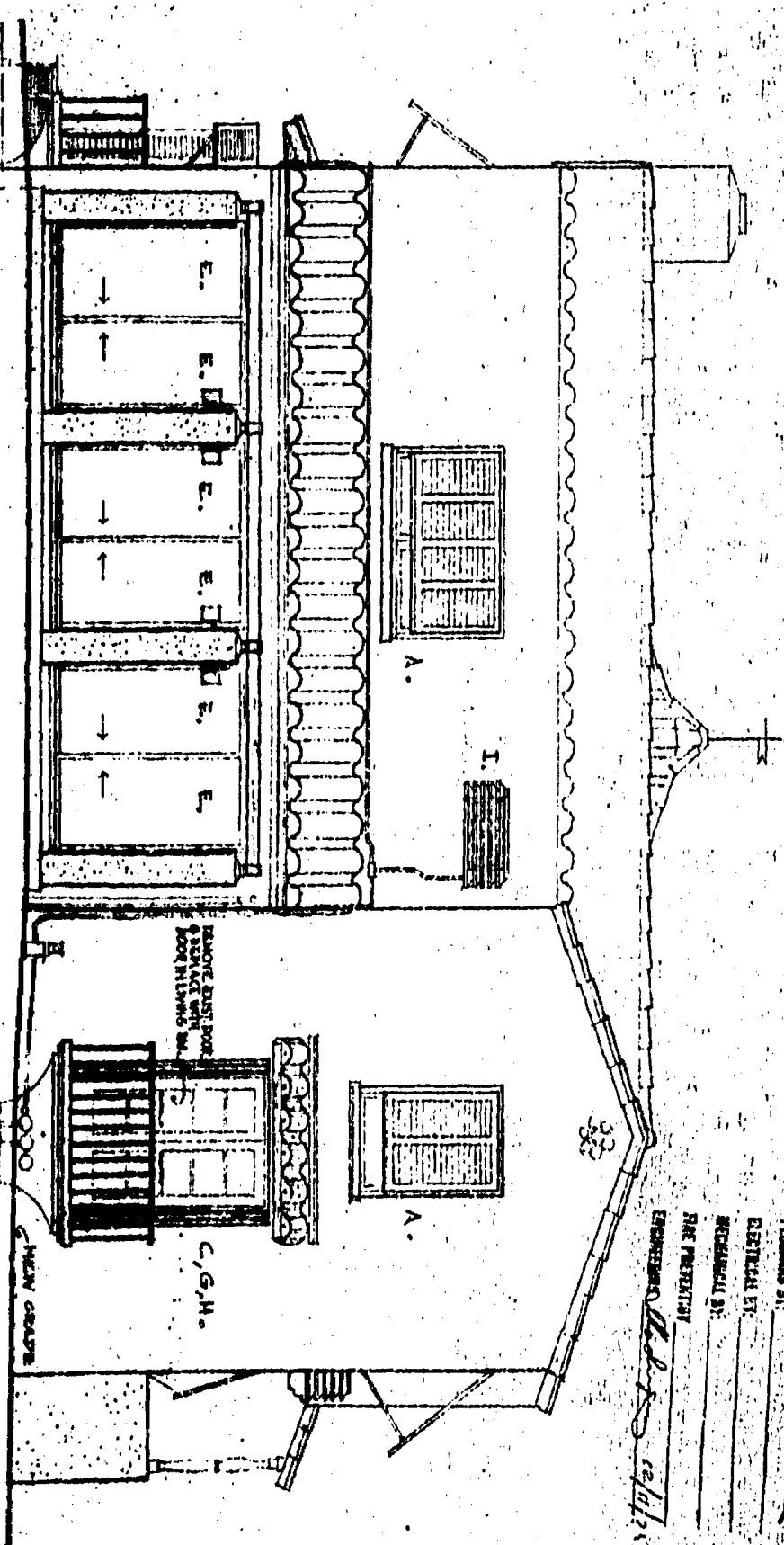
DETAIL A-B 1" = 1'-0"



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



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



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

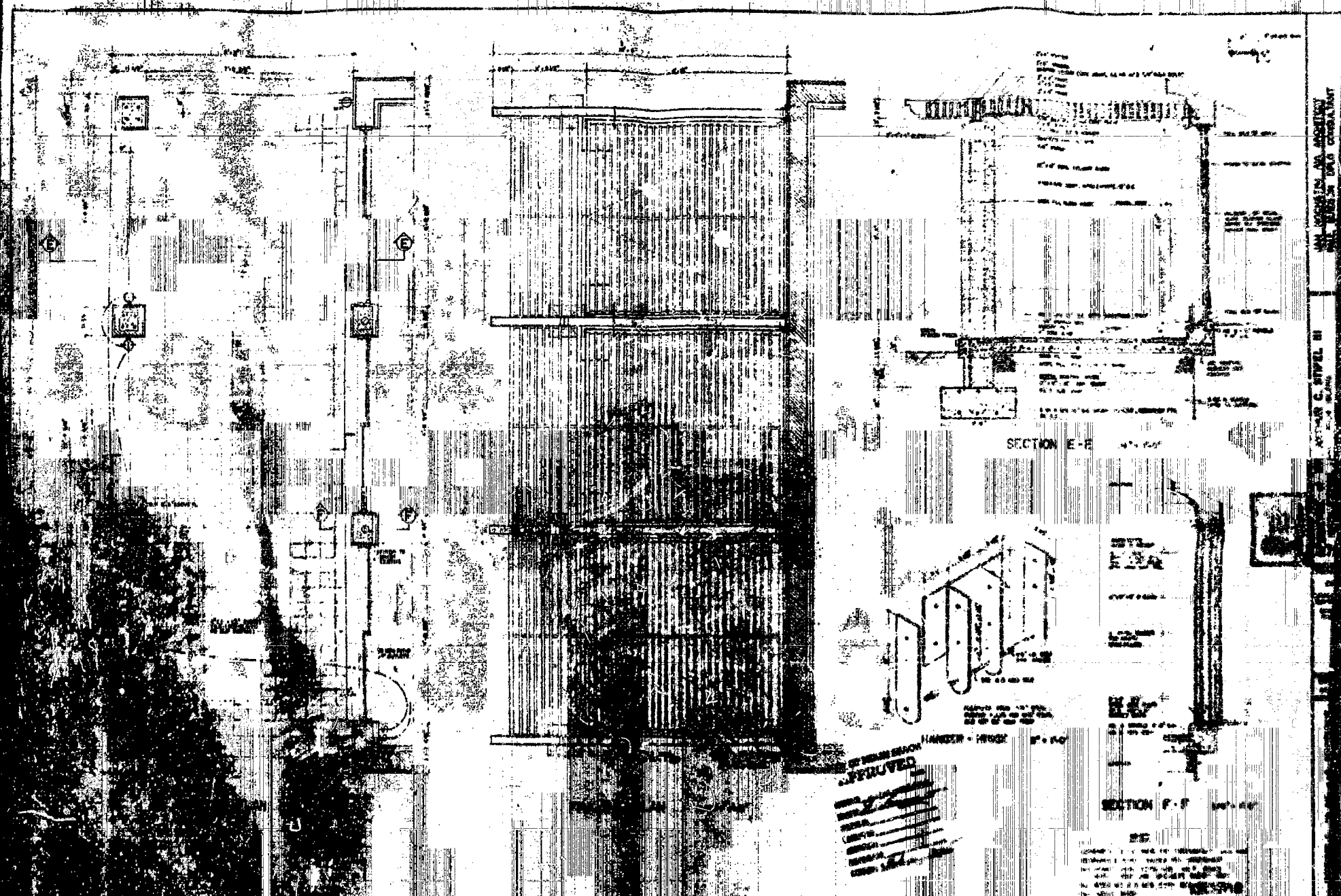
OFFICE COPY
CITY OF MIAMI BEACH
APPROVED

SEALING BY: [Signature]
DRAWING BY: [Signature]
CHECKED BY: [Signature]
DATE: 7/14/74

RECEIVED
DEC 8 5/0

88966

8 89 66



TO THE RESIDENCE OF MR. ARTHUR C. STIFEL III

88866

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

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

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

FINISH SCHEDULE									
NO.	DESCRIPTION	FLOOR	BASE		WALL	SILLS	CEILING	MISCELL.	REMARKS
			WOOD	OTHER					
1	CEILING								
2	WALL								
3	FLOOR								
4	BASE								
5	WALL								
6	FLOOR								
7	BASE								
8	WALL								
9	FLOOR								
10	BASE								
11	WALL								
12	FLOOR								
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100	BASE								

REVISIONS

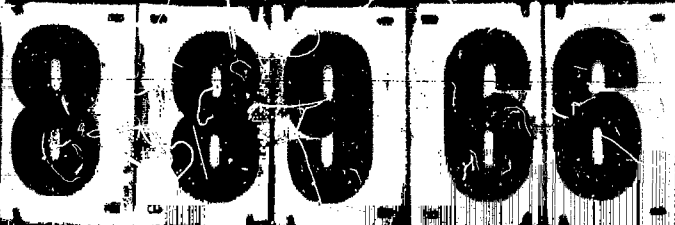
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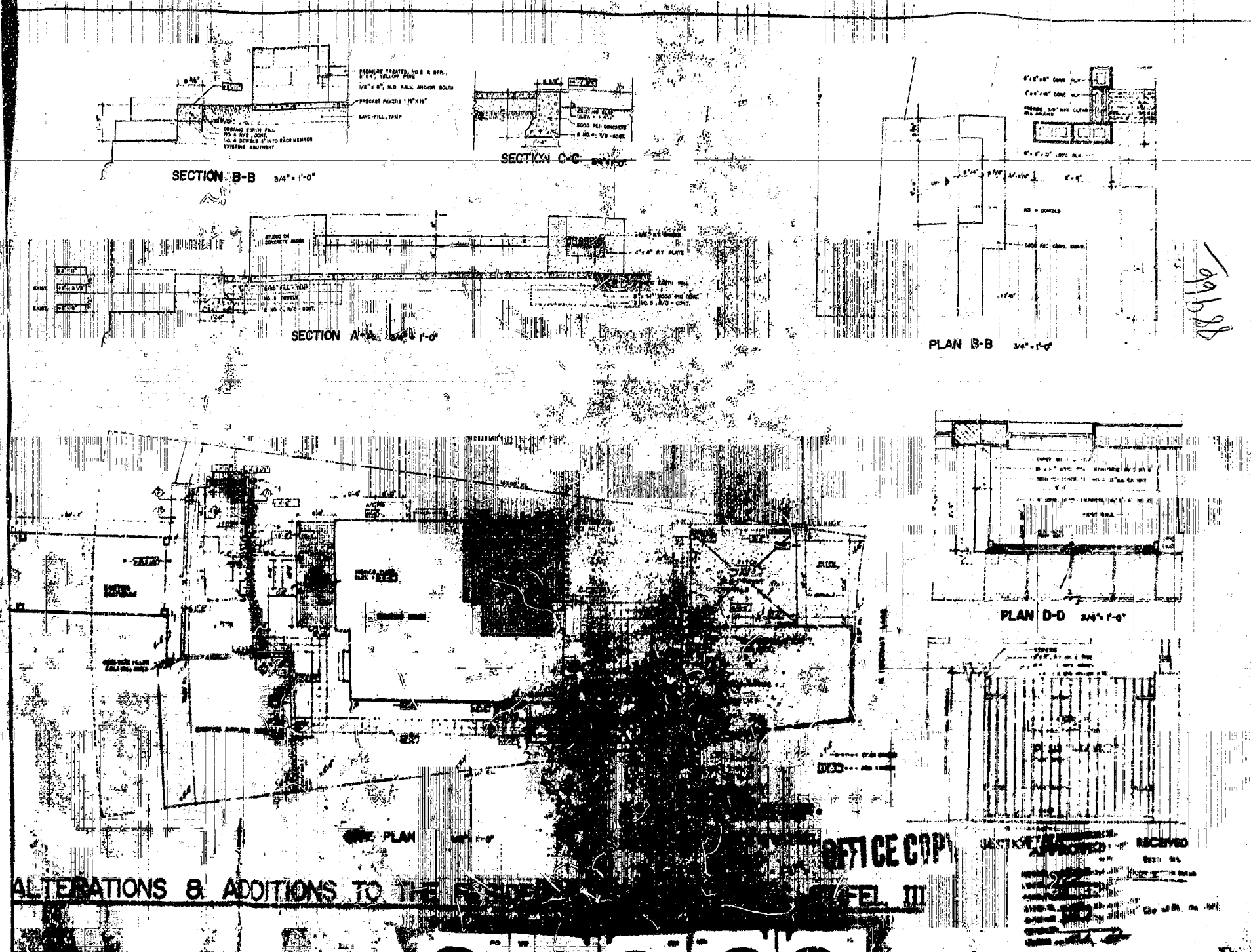
DATE

BY

FOR

88966





88066

CITY OF MIAMI BEACH
BUILDING INSPECTION DIVISION
ATTN: BUILDING OFFICIAL

I certify that I am the legal owner of the property described as:
210 N. Coconut Lane, Room 1, Miami Beach, Florida 33139
WILL ALFRED SAMPSON, JR.

The applicant for the building permit is my son: **and agent.**
APPLICANT FOR LEGAL POWER, WILLIAM EDWARD SAMPSON

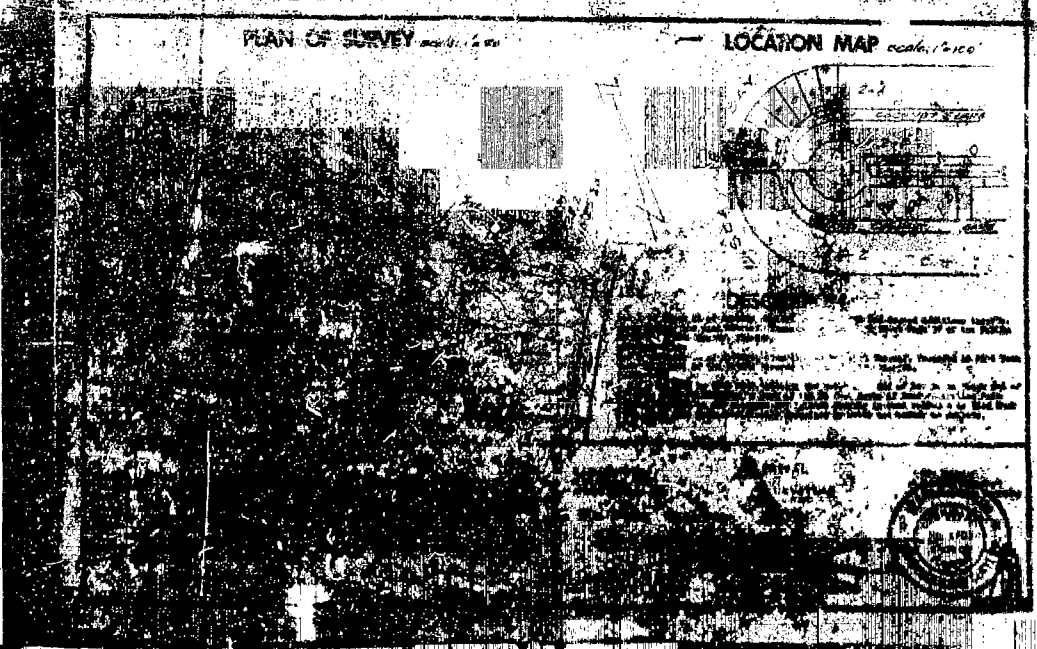
State of Florida
County of Dade

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

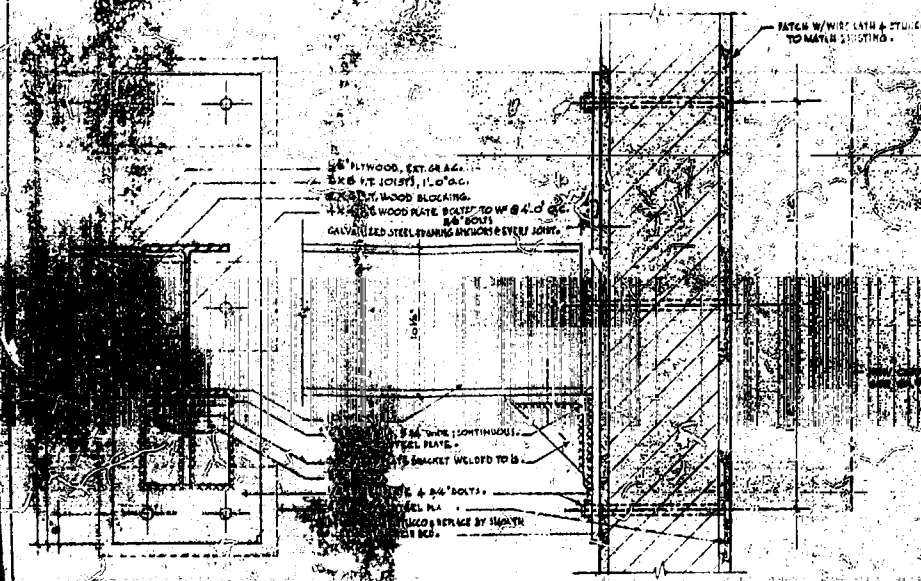
LEGAL OWNER: *Will Alfred Sampson, Jr.*
AUTHORIZED AGENT: *William Edward Sampson*

Sworn to and subscribed before me this 5 day of June, 1966

William E. Simpson
Notary Public
State of Florida at Large

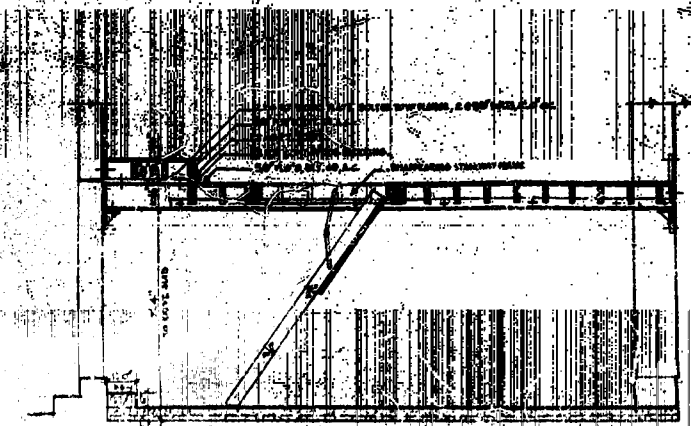
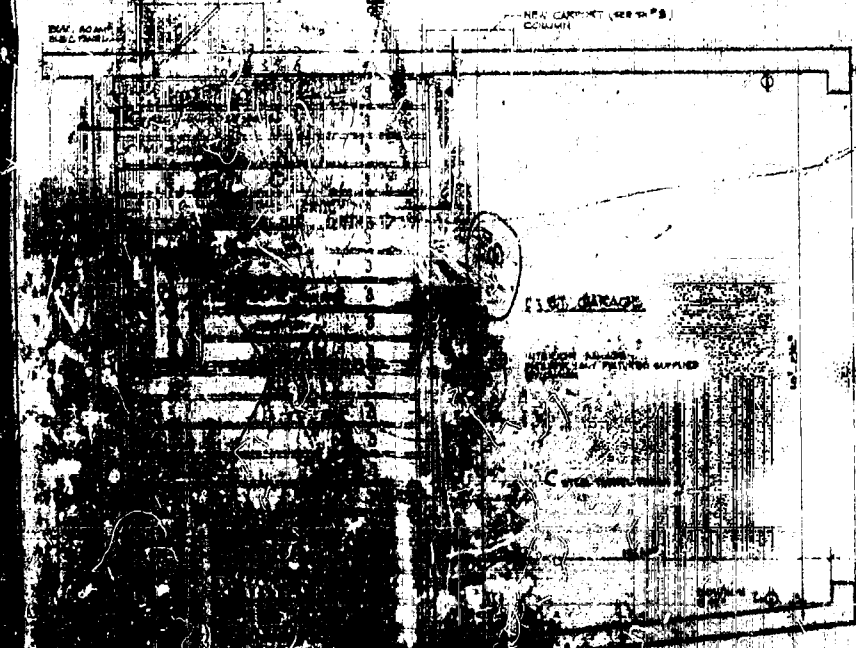


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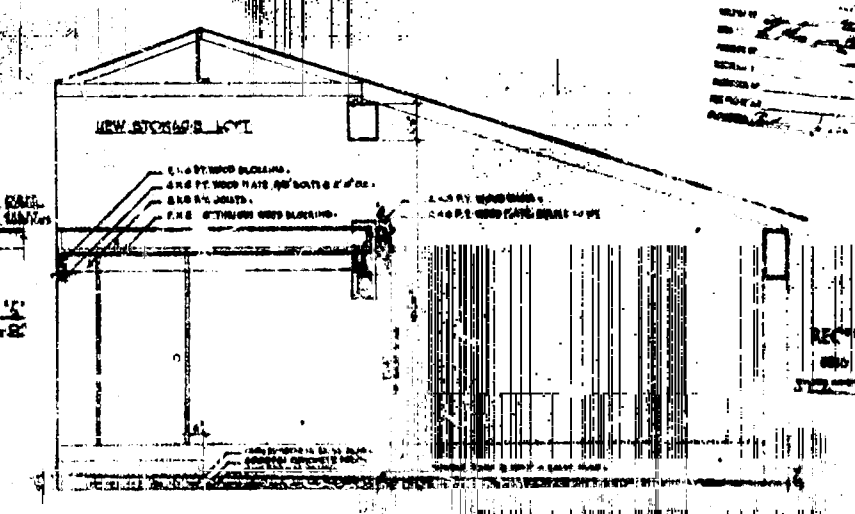


DETAIL 'A'

DETAIL 'B'



SECTION 'D-D'



SECTION 'C-C'

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APPROVED

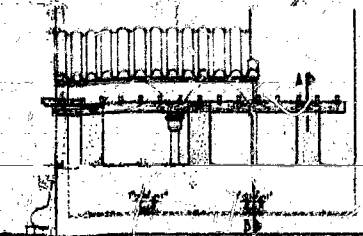
88966

MAN HOODSTON AIA ARCHITECT
 1000 10TH AVENUE, SUITE 1000
 DENVER, CO 80202
 PHONE (303) 733-1111
 FAX (303) 733-1112
 E-MAIL: MAN@HOODSTONARCHITECTS.COM
 PROJECT: STORAGE LOFT, 1000 10TH AVENUE, DENVER, CO 80202
 DATE: 10/1/00
 DRAWING NO.: 1000 10TH AVENUE, DENVER, CO 80202

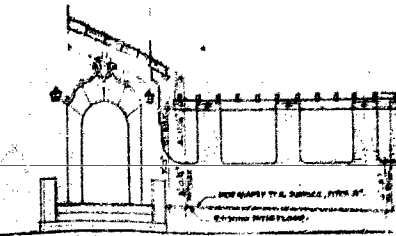
[illegible]

2"X 4"X 8" STEEL W/ST.
RED CEDAR D.B.S.
2"X 8" RED CEDAR, 2" ABOVE
2"X 4"X 8" STEEL W/ST. 1/2"X 4"X 8" W/ST. IN
2"X 4"X 8" RED CEDAR,
PAINT 1/2" PARTS BLACK.
PVC BREEZE TO MATCH DOOR
RIGHT. CONC. ASP. FILLING
1/2"X 4"X 8" CONC. BLOC
STUCK TO MATCH PAINT.
2"X 8" D.B. CONVL 1/2"
INTO EXIST. MASONRY.

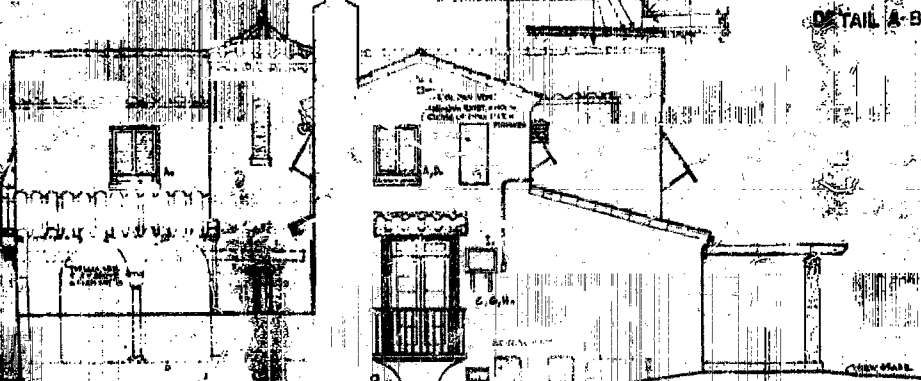
GALV. WIRE LATH
SCUPPILL
6" x 1/2" CUNYRY TILE
3/4" MORTAR BED
LEVELING BE.
FINISHING S.A.B.



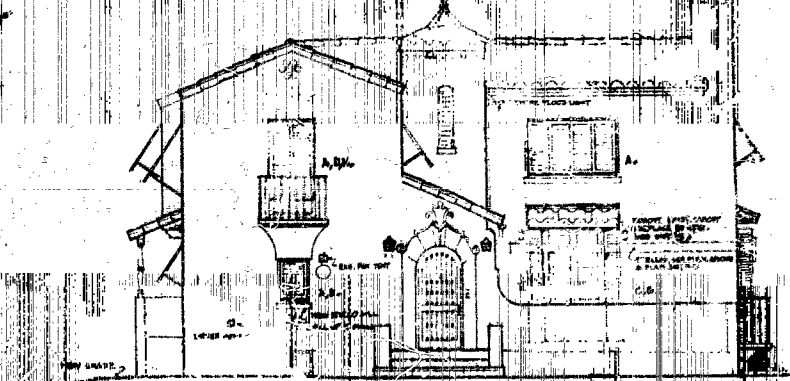
TRELLIS, NORTH ELEVATION 1/4" = 1'-0"



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




NORTH ELEVATION



EAST ELEVATION

OFFICE COPY CITY OF MIAMI BEACH
APPROVED

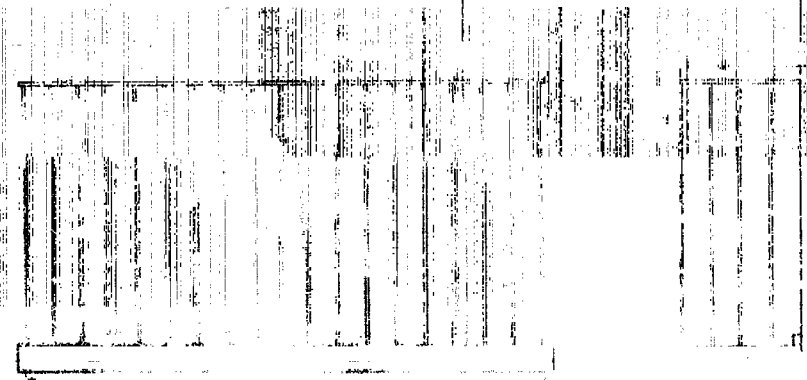
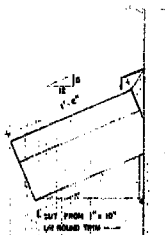
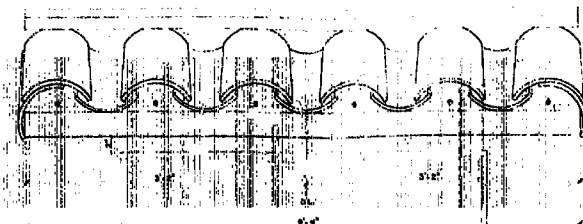


OUTN EN



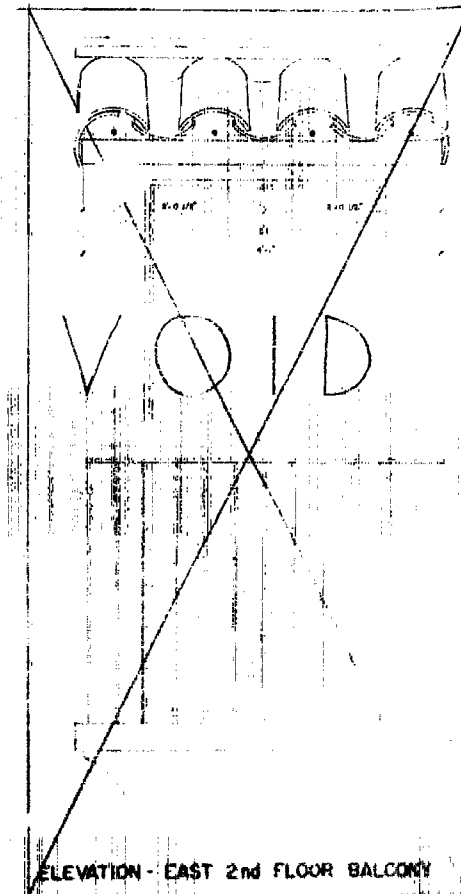
WEST ELEVATION

889 66

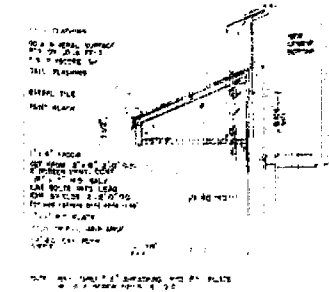


ELEVATION - WEST D.R. BALCONY
NORTH L.R.

END ELEVATION



ELEVATION - EAST 2nd FLOOR BALCONY



CITY OF MINNEAPOLIS
APPROVED
[Signature]
[Stamp]

OFFICE COPY

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

88966

MIAMI BEACH RFR 1900905

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 districts, state agencies, or federal agencies. The City of Miami Beach assumes no responsibility for accuracy of results from these plans which are approved subject to compliance with all Federal, State, and Local Laws, Rules, and Regulations.

NOTIFIED 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 contents of the permit form. The owner's initials in the designated space indicates that the item has been explained.

City of Miami Beach
Building Department
Roofing Permit
OFFICE COPY

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.

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).

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.

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.

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.

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*.

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: Quiana D. 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 districts, state agencies, or federal agencies. The City of Miami Beach assumes no responsibility for accuracy of results from these plans which are approved subject to compliance with all Federal, State, and Local Laws, Rules, and Regulations.

MIAMI BEACH

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

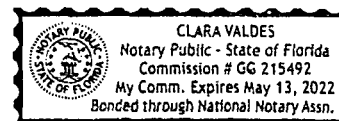
Print Name:

STATE OF FLORIDA COUNTY OF MIAMI-DADE

Sworn to and subscribed before me this 11

day of July, 20 19,

Clara Valdes
(SEAL)



☒ 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.

MIAMI BEACH

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: _____

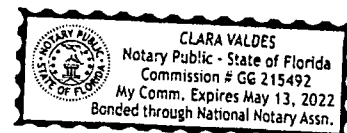
Dolores T Hernandez
Print Name:

STATE OF FLORIDA COUNTY OF MIAMI-DADE

Sworn to and subscribed before me this 11th

day of July, 20 19

Clara Valdes
(SEAL)



✓ Personally known _____ or Produced Identification: _____

MIAMI BEACH

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.F.

Roofing Permit Number: _____

Dear Building Official:

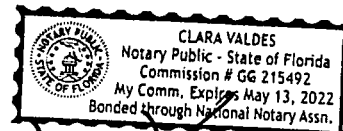
I, Dolores T Hernandez, certify that the roof decking attachment
and fasteners have been strengthened and corrected and a secondary water barrier has
been provided as required by the "Manual of Hurricane Mitigation Retrofits for Existing
Site-Built, Single-Family Structures" adopted by the **Florida 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

(SEAL) ✓ Personally known _____ or Produced Identification: _____

MIAMI BEACH

City of Miami Beach HVHZ Electronic Roof Permit Form

Section A (General Information)

Master Permit No: Process No: Contractor's Name: Florida Roofing, IncJob Address: 317 N Coconut Lane Miami Beach, Fl.

Roof Category

- ☒ Low Slope ☐ Mechanically Fastened Tile ☒ Mortar/Adhesive Set Tile
☐ Asphaltic Shingles ☐ Metal Panel/Shingles ☐ Wood Shingles/Shakes
☐ Sprayed Polyurethane Foam ☐ Other:

Roof Type

- ☐ New Roof ☒ Re-Roofing ☐ Recovering ☐ Repair ☐ Maintenance

Are there Gas Vent Stacks located on the roof? ☐ Yes ☒ No If yes, what type? ☐ Natural ☒ LPGX

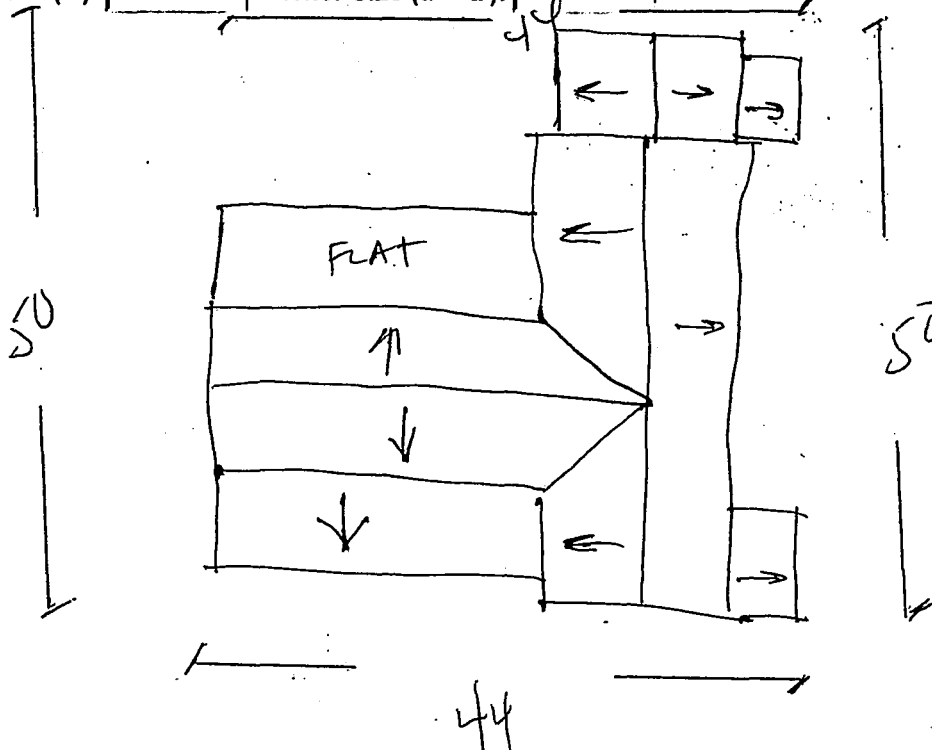
Roof System Information

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' x a'):



MIAMI BEACH

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

Roof System Manufacturer:

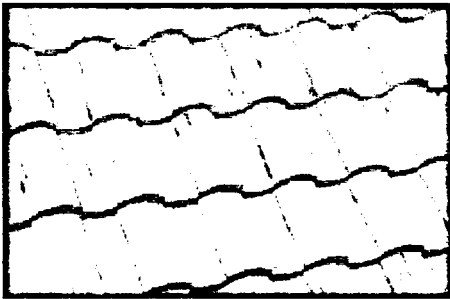
Notice of Acceptance Number (NOA):

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

P 1: P 2: P 3:

Maximum Design Wind Pressures, (From the NOA Specific system): 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: "/12"

Roof Mean Height: ft.

Method of Tile Attachment:

Alternate Method of Tile Attachment per NOA:

Drip Edge Size & Gauge:

Drip Edge Material Type:

Drip Edge Fastener Type:

Hook Strip/Cleat gauge or weight:

Deck Type:

Optional Insulation:

Optional Nailable Substrate:

Optional Nailable Substrate Attachment:

Basesheet Type:

Fastener Type for Basesheet Attachment:

Tile Underlayment (Cap Sheet) Type:

Tile Underlayment Attachment Method:

Tile Profile:

MIAMI BEACH

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.

$$\begin{aligned}
 P1: & \boxed{51.4} \times \boxed{301} = \boxed{15.47} - Mg: \boxed{6.90} = Mr1: \boxed{6.57} \leq \boxed{38.7} \text{ NOA Mf} \\
 P2: & \boxed{36.2} \times \boxed{301} = \boxed{25.95} - Mg: \boxed{6.90} = Mr2: \boxed{19.05} \leq \boxed{38.7} \text{ NOA Mf} \\
 P3: & \boxed{129.7} \times \boxed{301} = \boxed{39.04} - Mg: \boxed{6.90} = Mr3: \boxed{32.14} \leq \boxed{38.7} \text{ NOA Mf}
 \end{aligned}$$

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.

$$\begin{aligned}
 P1: & \boxed{} \times l: \boxed{} = \boxed{} \times w: \boxed{} = \boxed{} - W: \boxed{} = \boxed{} \times \cos q: \boxed{} = Fr1: \boxed{} \leq \boxed{} \text{ NOA F'} \\
 P2: & \boxed{} \times l: \boxed{} = \boxed{} \times w: \boxed{} = \boxed{} - W: \boxed{} = \boxed{} \times \cos q: \boxed{} = Fr2: \boxed{} \leq \boxed{} \text{ NOA F'} \\
 P3: & \boxed{} \times l: \boxed{} = \boxed{} \times w: \boxed{} = \boxed{} - W: \boxed{} = \boxed{} \times \cos q: \boxed{} = Fr3: \boxed{} \leq \boxed{} \text{ NOA F'}
 \end{aligned}$$

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	l	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*



NOA No.: 19-0408.02
Expiration Date: 04/26/22
Approval Date: 05/16/19
Page 1 of 7

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

<u>Manufactured by</u> <u>Applicant</u>	<u>Dimensions</u>	<u>Test</u> <u>Specifications</u>	<u>Product</u> <u>Description</u>
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

<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer</u> <u>(With Current NOA)</u>
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



NOA No.: 19-0408.02
Expiration Date: 04/26/22
Approval Date: 05/16/19
Page 2 of 7

2.3 SUBMITTED EVIDENCE:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
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 PRI Construction Materials Technologies	RT0617.03-16 COPO-002-02-10	TAS 112 Static Uplift Testing TAS 101 (Adhesive Set)	06/29/16 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 (ft³)

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 Adhesive¹ 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**

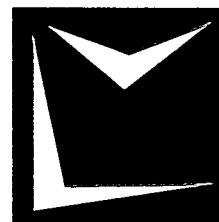
Tile Profile	Tile Application	Attachment Resistance
Barcelona 900	Mortar Set ⁹	24.5 ⁹
9 See specific mortar manufacturers Notice of Acceptance		

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**

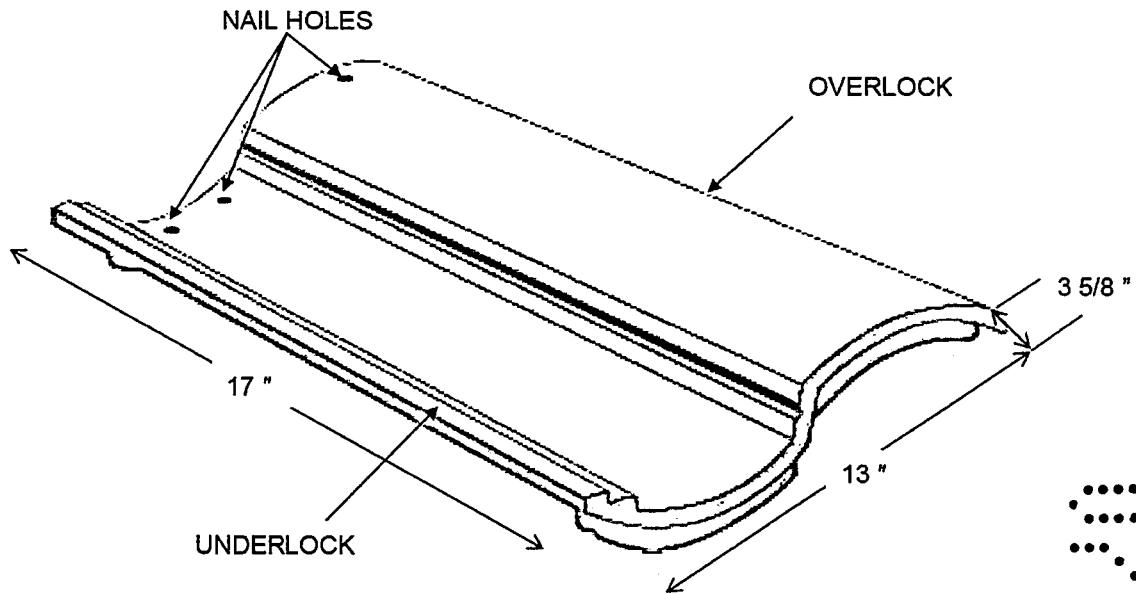
6. BUILDING PERMIT REQUIREMENTS

- 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.



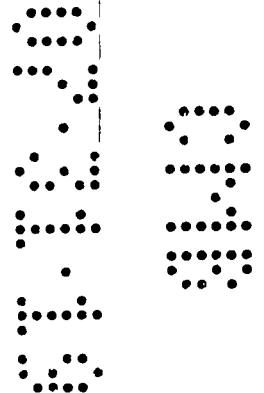
NOA No.: 19-0408.02
Expiration Date: 04/26/22
Approval Date: 05/16/19
Page 6 of 7

PROFILE DRAWING



BARCELONA 900 CONCRETE ROOF TILE

END OF THIS ACCEPTANCE





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

NOTICE OF ACCEPTANCE (NOA)

**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

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.



NOA No.: 17-0322.03
Expiration Date: 05/10/22
Approval Date: 04/27/17
Page 1 of 11

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:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
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:

<u>Property</u>	<u>Test</u>	<u>Results</u>
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.

MIAMI-DADE COUNTY
APPROVED

NOA No.: 17-0322.03
Expiration Date: 05/10/22
Approval Date: 04/27/17
Page 2 of 11

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
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.



NOA No.: 17-0322.03
 Expiration Date: 05/10/22
 Approval Date: 04/27/17
 Page 3 of 11

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.

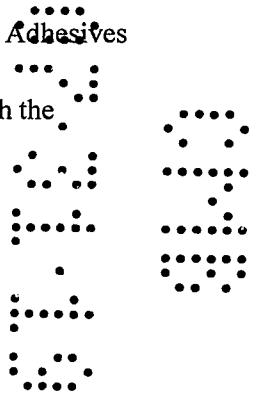


Table 1: Adhesive Placement For Each Generic Tile Profile

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

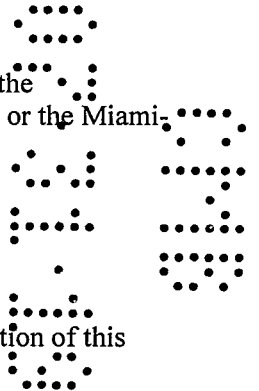
LABELING:

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.

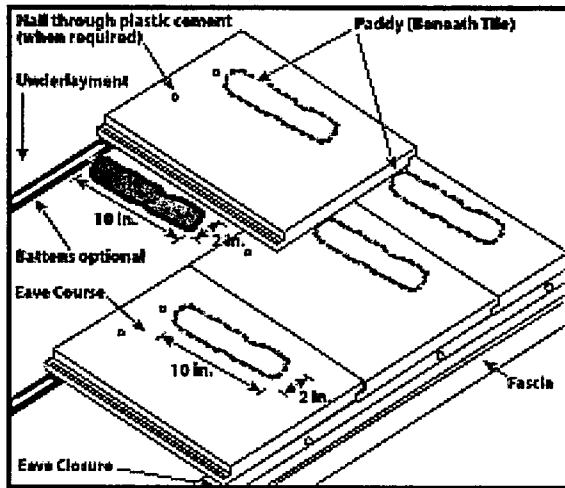


BUILDING PERMIT REQUIREMENTS:

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

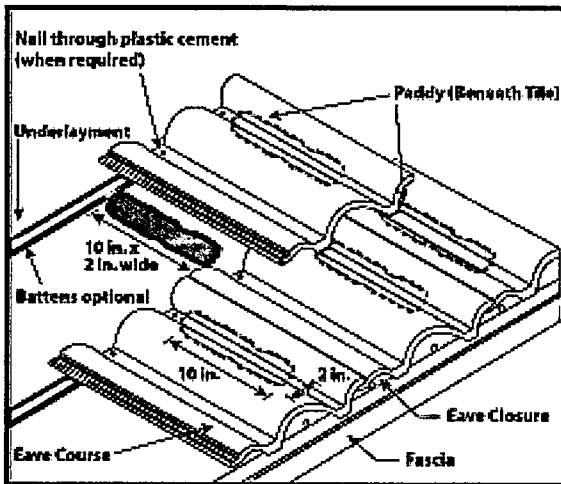


ADHESIVE PLACEMENT DETAIL # 1



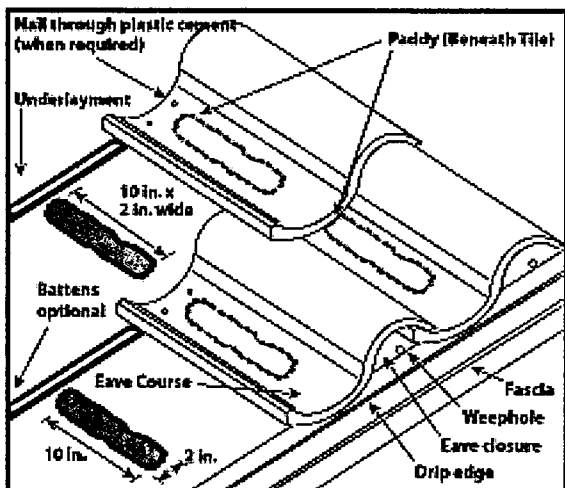
Flat/Low Profile Tile

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 cm²) – 23 (148.4 cm²) square inch adhesive contact with the underside of the tile.



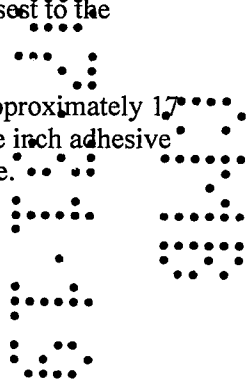
Medium Profile / Double Pan Tile

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 cm²) – 23 (148.4 cm²) square inch adhesive contact with the underside of the tile.

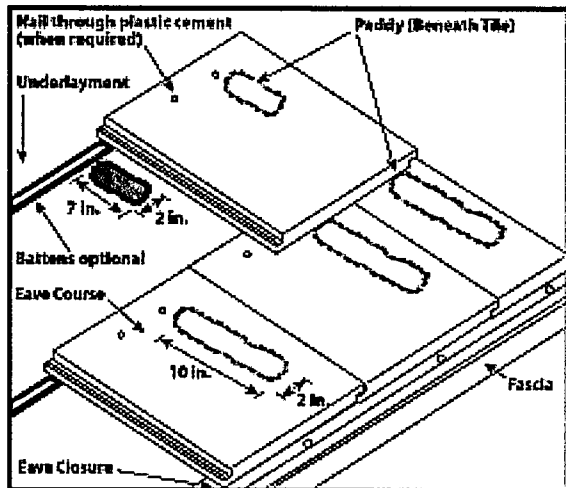


High Profile / Single Pan Tile

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 cm²) – 23 (148.4 cm²) square inch adhesive contact with the underside of the tile.

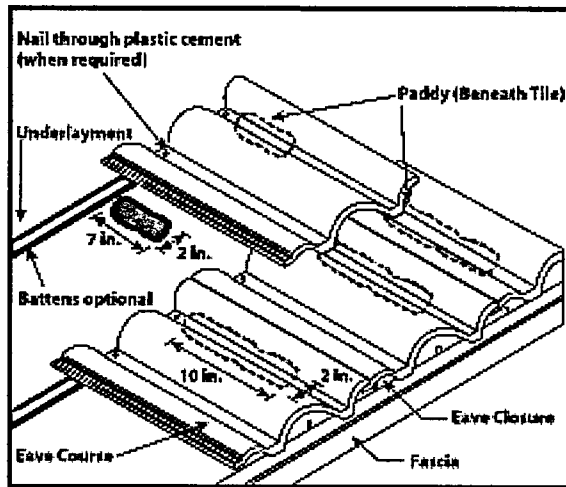


ADHESIVE PLACEMENT DETAIL # 2



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 cm²) – 23 (148.4 cm²) 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 cm²) - 12 (77.4 cm²) square inch adhesive contact with the underside of the tile.

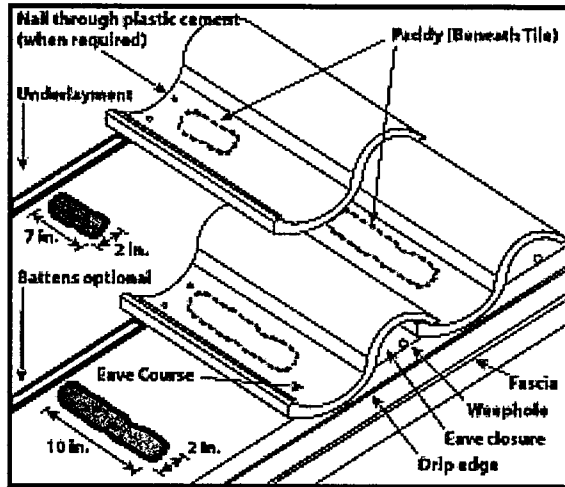


Medium Profile / Double Pan Tile

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 cm²) – 23 (148.4 cm²) 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 cm²) square inch adhesive contact with the underside of the tile.

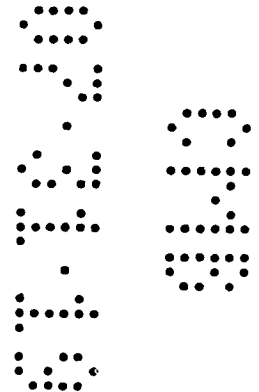
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ADHESIVE PLACEMENT DETAIL # 2 (CONTINUED)

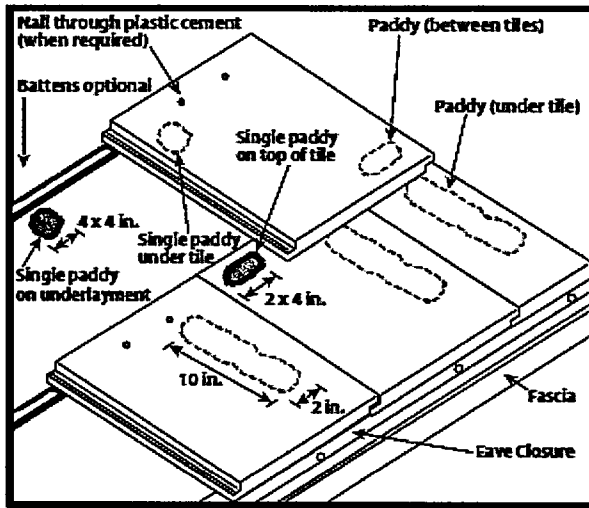


High Profile / Single Pan Tile

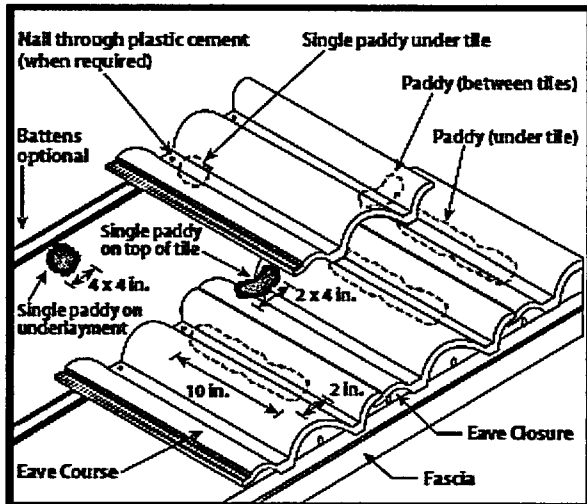
1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set. Insure approximately 17 (109.7 cm²) – 23 (148.4 cm²) square inch adhesive contact 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 cm²) - 19 (122.6 cm²) square inch adhesive contact with the underside of the tile.



ADHESIVE PLACEMENT DETAIL # 3



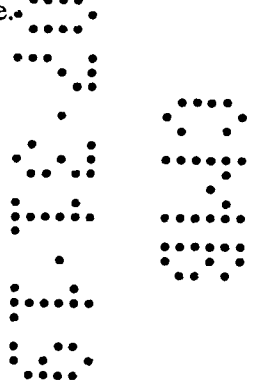
Flat/Low Profile Tile



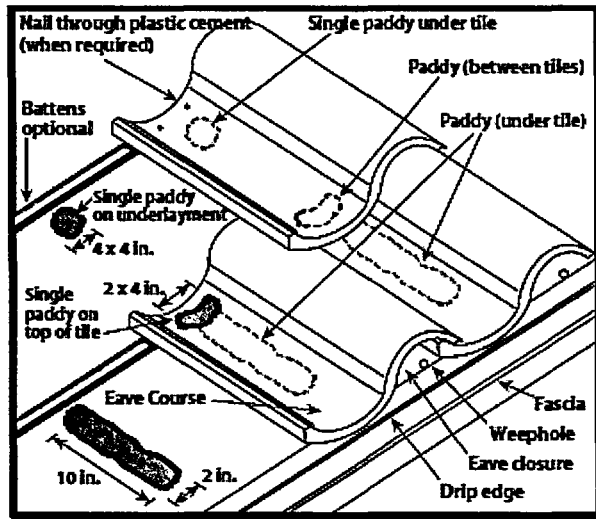
Medium Profile Tile

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 in² (109.7-148.4 cm²) 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 in² (51.6-58.1 cm²) of adhesive contact with the underside of the tile.

(Instructions continued on next page)

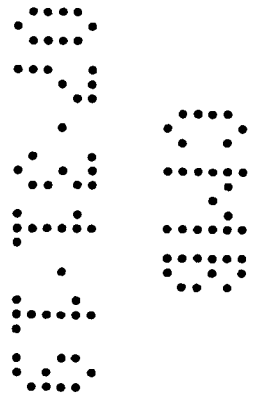


ADHESIVE PLACEMENT DETAIL # 3 (CONTINUED)

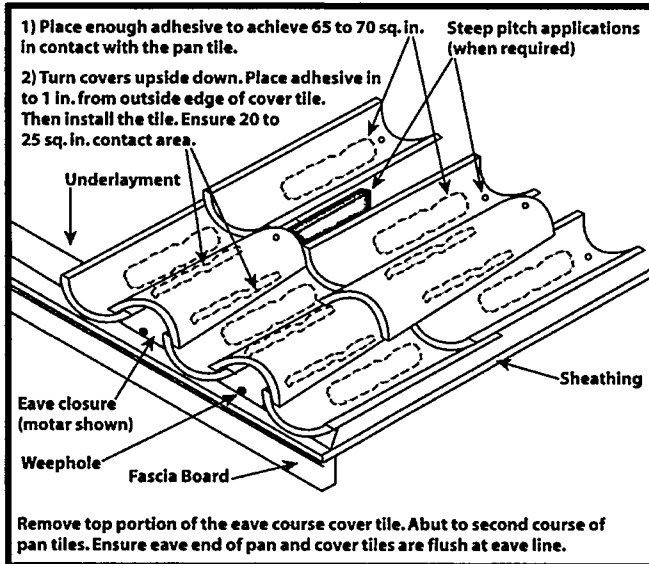


High Profile Tile

- Also apply a 2" (50.8 mm) x 4" (101.6 mm) x 3/4" (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 cm²) - 11 (71cm²) square inch adhesive contact with the underside of the tile at the overlap and 7 (45.2 cm²) - 9 (58.1 cm²) 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 cm²) – 70 (451.6 cm²) 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 cm²) - 25 (161.3 cm²) 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



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*, 



NOA No.: 17-0614.22
Expiration Date: 09/13/21
Approval Date: 07/06/17
Page 1 of 8

ROOFING COMPONENT APPROVAL

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

PRODUCTS DESCRIPTION:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Polystick IR-Xe <i>Manufacturing Location #1 & #2</i>	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 <i>Manufacturing Location #2</i>	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 <i>Manufacturing Location #2</i>	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 <i>Manufacturing Location #1 & #2</i>	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 <i>Manufacturing Location #2</i>	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) <i>Manufacturing Location #1 & #2</i>	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 <i>Manufacturing Location #2</i>	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 <i>Manufacturing Location #2</i>	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 <i>Manufacturing Location #2</i>	32'10" x 3'3- ³ / ₈ "	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

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
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.



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.



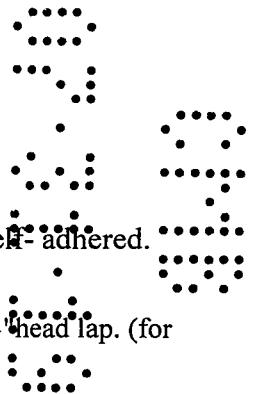
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INSTALLATION PROCEDURES:

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 remove 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 preceding 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
Hazleton, 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

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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.

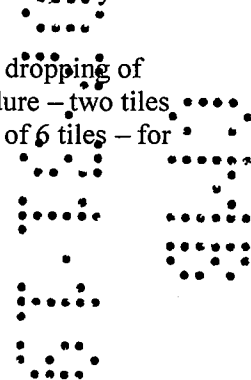
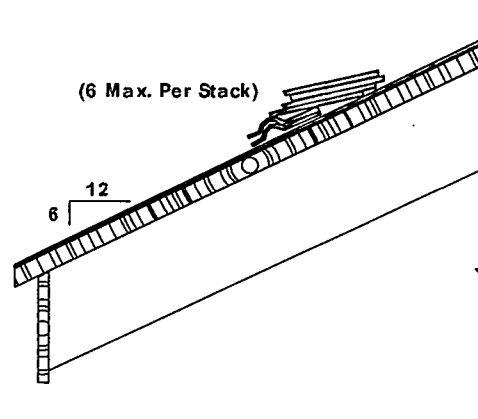
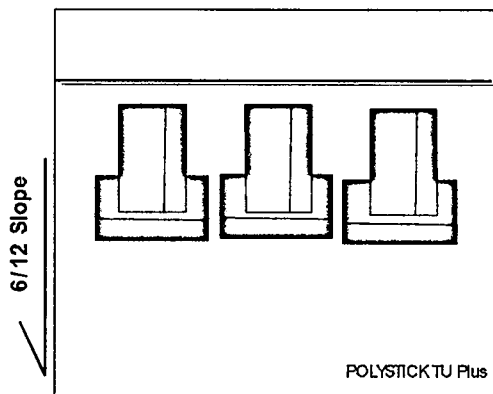
Polystick TU P may be used in mechanically fastened roof tile applications with the exception of mortar set tile applications.

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.

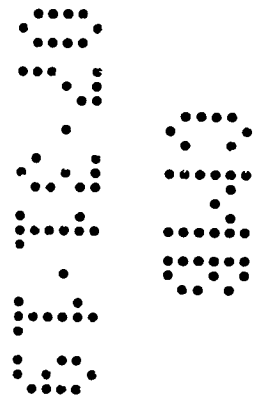
LOCAL CODES MAY SUPERSEDE POLYGLASS REQUIREMENTS AND RECOMMENDATIONS.

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 5/8" 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 1/4"/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



NOA No.: 17-0614.22
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MIAMI BEACH

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 ls 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:

TorchedSurfacing: White Granule

SINGLE PLY MEMBRANE:

Single Ply Manufacturer / Type:

N/ASingle 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 ATTACHMENT1. Field: 9 " o/c @ Laps & 4 rows 9 " o/c2. Perimeter: 6 " o/c @ Laps & 4 rows 6 " o/c3. 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/ACoping 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

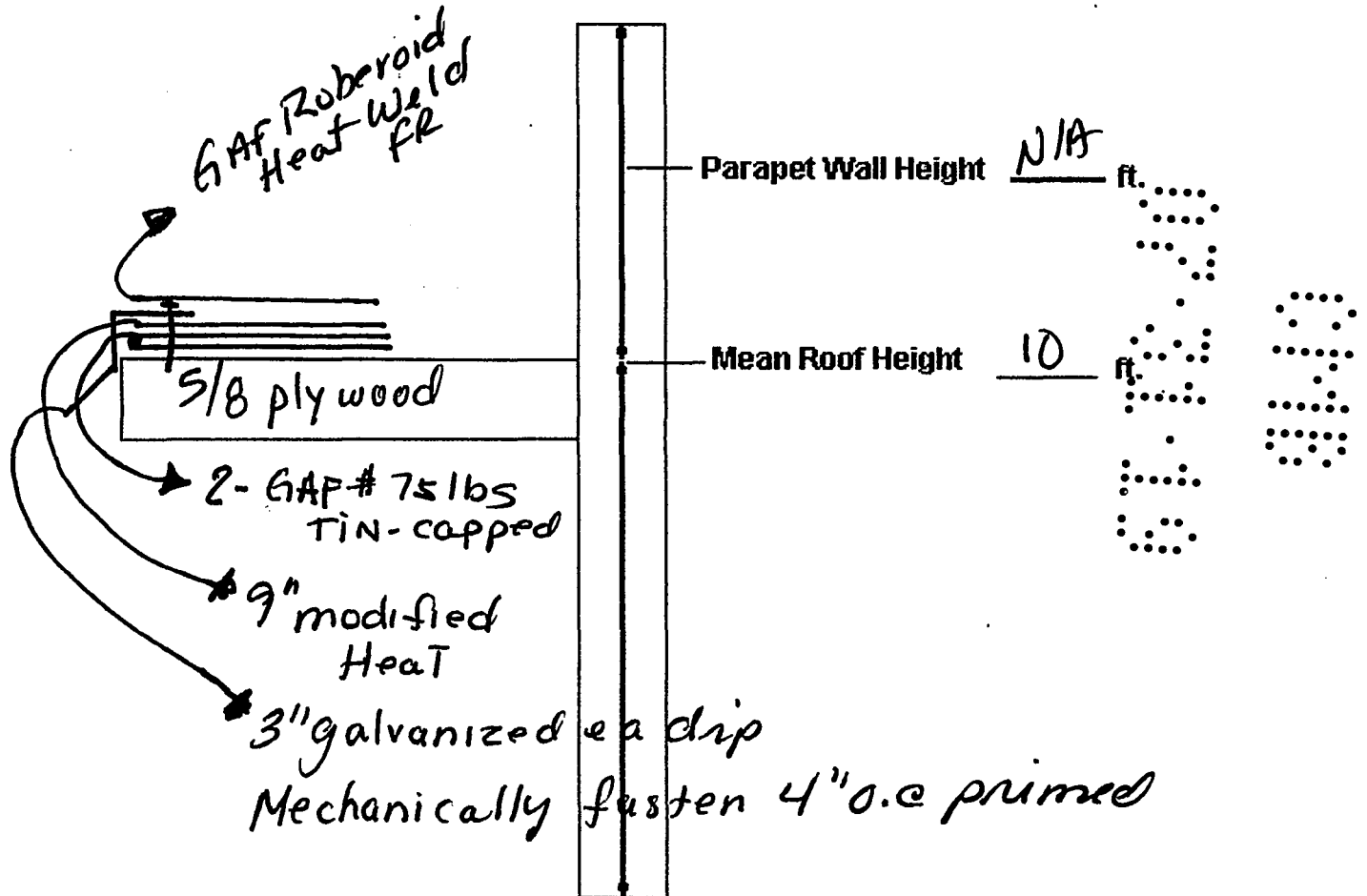
MIAMI BEACH City of Miami Beach HVHZ Electronic Roof Permit Form

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.





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

NOTICE OF ACCEPTANCE (NOA)

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

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.



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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

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
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.



NOA No.: 18-0919.12
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<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
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.



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<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
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.



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<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
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:

<u>Product Name</u>	<u>Table 2 Product Description</u>	<u>Manufacturer (With Current NOA)</u>
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 perlite	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



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APPROVED FASTENERS:

Fastener Number	Product Name	TABLE 3 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:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
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	11/11/10
	G30250.02.10-3-R2	ASTM D3909	06/03/15
	G31360.03.10	ASTM D6164	03/31/10
	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)

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
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	01/04/11
		ASTM D6083	
	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	09/16/16
	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



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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: 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.
(optional)

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:	<p>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.</p> <p><u>Not for use with DensDeck or SECUROCK Fire Barrier</u></p> <p><i>(Maximum Design Pressure –60 psf. See General Limitation #7)</i></p>
Fastening Option #6:	<p>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.</p> <p><i>(Maximum Design Pressure –45 psf. See General Limitation #9)</i></p>
Ply Sheet:	<p>(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.</p>
Membrane:	<p>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.</p> <p>Or</p> <p>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.</p>
Surfacing:	<p>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.</p> <ol style="list-style-type: none"> Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of Approved asphalt at 60 lbs./sq. 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. 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. <p>OR</p> <p>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.</p> <ol style="list-style-type: none"> 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



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FLAT APP

2/13/18, 1:

Base Sheet: — One ply Type G2 "GAFLAS® #75 Base Sheet" or "Tri-Ply® #75 Base Sheet" or "GAFLAS® Flex Ply 6" or "GAFLAS® #80 Ultima™ Base Sheet" or "GAFLAS® Stratavent® Nailable Venting Base Sheet", fully adhered with hot roofing asphalt.
Ply Sheet: — Two or more plies Type G1 "GAFLAS® Ply 4" or "Tri-Ply® Ply 4" or "GAFLAS® 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® EnergyCote™ 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 "GAFLAS® #75 Base Sheet" or Tri-Ply® #75 Base Sheet" or "GAFLAS® #80 Ultima™ Base Sheet" or "GAFLAS® 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 "GAFLAS® Ply 4" or "Tri-Ply® Ply 4" or "GAFLAS® Flex Ply 6" or "Tri-Ply® Ultra-Flexible Ply 6" or Type G2 "GAFLAS® #75 Base Sheet" or "Tri-Ply® #75 Base Sheet" or "GAFLAS® #80 Ultima™ Base Sheet" or "GAFLAS® 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 "GAFLAS® Ply 4" or "Tri-Ply® Ply 4" or "GAFLAS® Flex Ply 6" or "Tri-Ply® Ultra-Flexible Ply 6" or Type G2 "GAFLAS® #75 Base Sheet" or "Tri-Ply® #75 Base Sheet" or "GAFLAS® #80 Ultima™ Base Sheet" or "GAFLAS® Stratavent® Nailable Venting Base Sheet" or "GAFLAS® 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

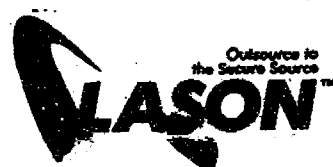
Incline: 1/2

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.

RFR1900905

317 N Coconut
Ln

222
222
222



PERMIT #

B030.3409



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: Perisod to perform special inspector services under the Florida Building Code at the Perisod Real 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): _____

☒ Special Inspector for Pilings, FBC 1822.1.20
☐ Special Inspector for Soil Compaction, FBC 1820.3.1
☐ Special Inspector for Precast Attachment, FBC 1927.12.2 (By P.E. or R.A.)
☐ Special Inspector for Reinforced Masonry, FBC 2122.4
☐ Special Inspector 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 individuals employed by this firm or me are authorized representatives to perform inspections:

1. Paul Perisod
2. Danica Gelfin
3. Edmund Davis
4. George Clifton

*NOTE: FBC 2001 HVZ sections 1927.12.2, 2218.2, 2319.17.2.4.2 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 in the presence of the Building Inspector. 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 form and make statement that, to the best of my knowledge, belief and professional judgment, these inspections performed above meet the intent of the Florida Building Code and are in accordance with the approved plans.

Architect/Engineer Signature: [Signature]
Name Printed: PAUL PERISOD
Address: 5450 GELFAN RD, DANIA, FL
Phone Number: (954) 584-1115
Owner/Agent Signature: [Signature]
Name Printed: PERISOD
Building Department Accepted By: 6/10/03

RESIDENTIAL POOL FOR
PERISOD RESIDENCE
317 NW GILBERT LANE
MIAMI, BEACH, FLA.

CRITICAL PANEL = 60 SQ. FT.
 $W = 5'6.3" \times 0.83' \times 150 = 440 \text{ PSI}$
PANEL LOAD = $440 \times 60 = 26400$
CONCRETE WALL LOAD =
 $6' \times 0.5' \times 150 \times 8.5 = 3900$
TOTAL FLS LOAD = 32240

PUNCHING SLAB -
 $D = 10" \times (6' \times 4') = 12" \quad d = 12' \times 3' = 9" \quad c = (12' \times 9') = 72"$

$W = 32240 / 4 \times 72 = 49.8 \text{ PSI} \times 2 \text{ FT.} =$
SHAPE @ 49.8 PSI

IF 32240 / 7' x 14' = 32 PSI OK

PANEL MOMENT -

$H = 0.07 \times 26400 \times 11.5 \times 8.75 = 26200 \text{ FT}$

$-H = 0.5 \times 26200 = 13150 \text{ FT}$

$+H = 0.2 \times 26200 = 5240 \text{ FT}$

DISEMPOWERED JOINT MOMENTS OF +15% & -15% AND APPLY
MAJOR MOMENTS THROUGH SLAB

RESIDENTIAL POOL FOR
PERISOD RESIDENCE
317 NW GILBERT LANE
MIAMI, BEACH, FLA.

$-A_5 = 13150 \times 12 / 20000 \times 8.74 \times 7 = 1.29$
 $+A_5 = 5240 \times 12 / 20000 \times 8.74 \times 7 = 0.52$
 $1.09 / 0.2 = 4.9 \quad 0.52 / 0.2 = 2.6$

STEP WIDTH -
 $8.75 / 2 = 4.375' = 52"$

$52 / 4.3 = 12 \rightarrow \#5 \text{ AT } 12" \text{ CL TOP}$

$52 / 2.6 = 20 \rightarrow \#4 \text{ AT } 20" \text{ CL BOTTOM}$

UP/LIFT -
 $W = 5162.4 - 0.83 \times 150 = 190 \text{ PSI}$

$H = 190 \times 11.5 \times 8 = 2000 \text{ FT}$

$A_5 = 2000 \times 12 / 20000 \times 8.74 \times 7 = 0.29$

$\#5 \text{ AT } 12" \text{ CL PROVIDED} = 0.3 \text{ OK}$

USE TOP MAT OF $\#5 \text{ AT } 12" \text{ CL}$

BOTTOM MAT OF $\#4 \text{ AT } 13" \text{ CL (ENGINERING'S MINIMUM)}$

RESIDENTIAL PERMITS
 1000 Michigan Avenue
 Suite 8701
 Miami Beach, FL 33139

Pool Wall -
 Backfill Varies -
 $0.5784 \times 5 \times 100 = 7170 \text{ ft}^3$
 Water Main -
 $2 \times 62.4 \times 5^3 = 15600 \text{ ft}^3$
 $P = 0.2867 \times 1 \times 100^2 = 2905 \text{ ft}^3$
 $P_2 = 0.2867 \times 6 \times 100 = 1720 \text{ ft}^3$
 $H = (6-1)/2 \times (172+29) = 503 \text{ ft}^3$
 $X = ((6-1)(172-2(29)))/3(172+29) = 1.91$
 $M = 503 \times 1.91 \times 12 = 11530 \text{ ft}^3$
 $15600 + 7170 + 8490 = 31260 \text{ ft}^3$
 Live Load - $11530 + 7170 + 4960 = 23660 \text{ ft}^3$
 $M_2 = 4960 \times 17 + 7170 \times 14 = 17450 \text{ ft}^3$
 $A_2 = 17450 / 0.9 \times 60 \times 3 = 0.11 \text{ ft}^3$
 USE # 24 M 9" x 6" WREN WAP

6/19/03

CITY OF MIAMI BEACH - BUILDING DEPARTMENT - APPENDIX 3
 AFFIDAVIT OF CONSTRUCTION

DATE: _____
 City of Miami Beach
 Building Department
 1000 Michigan Avenue
 Suite 8701
 Miami Beach, FL 33139
 Owner: LUCIA A. PETERS
 Address of Project: 317 NORTH CHURCH AVE
 Permit #: _____
 Contractor's Name: ESSIE POLES INC.

I, LUCIA PETERS, 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 warrant 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 have been performed in accordance with Section 305.2(4) 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 have any questions or need additional information, please do not hesitate to contact me.
 Sincerely: [Signature]
 Signature of Qualifier
 STATE OF FLORIDA
 Sworn to and subscribed before me this 17 day of July
 2003 by _____
 Personally Known to me: ☒ or Procured Identification
 Type of Identification: ☒ DID TAKE OATH
 Signature of Notary Public
 My Comm. Exp. 03/24/2007
 Comm. No. 00132405

REV 1/97

WL WINGERTER
 LABORATORIES INC.
 Engineering Testing and Inspection Service
 Established 1949

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

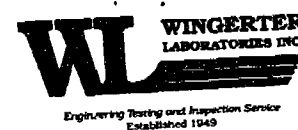
ADDITION TO RESIDENCE
PALM ISLAND, MIAMI BEACH, FLORIDA

FEBRUARY 2003

Prepared for:

MRS. LUCIA PENROD
MIAMI BEACH, FLORIDA

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



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. Fina
Rafael M. Fina, 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 • 1-800-345-SOIL • Fax: (305) 948-8696
Broward: (954) 766-0472 • Duval: (904) 942-1328
STEEL • CEMENT • CONCRETE • PAVEMENT INSPECTIONS • TEST BORINGS • SPECIFICATIONS • CONSULTATIONS
Florida Certificate # F-614

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INTRODUCTION

Wingert 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 Boring, 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 to 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 unsuitable 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 extending 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 consists 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 Pile) 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 1/2 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 subsurface 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.

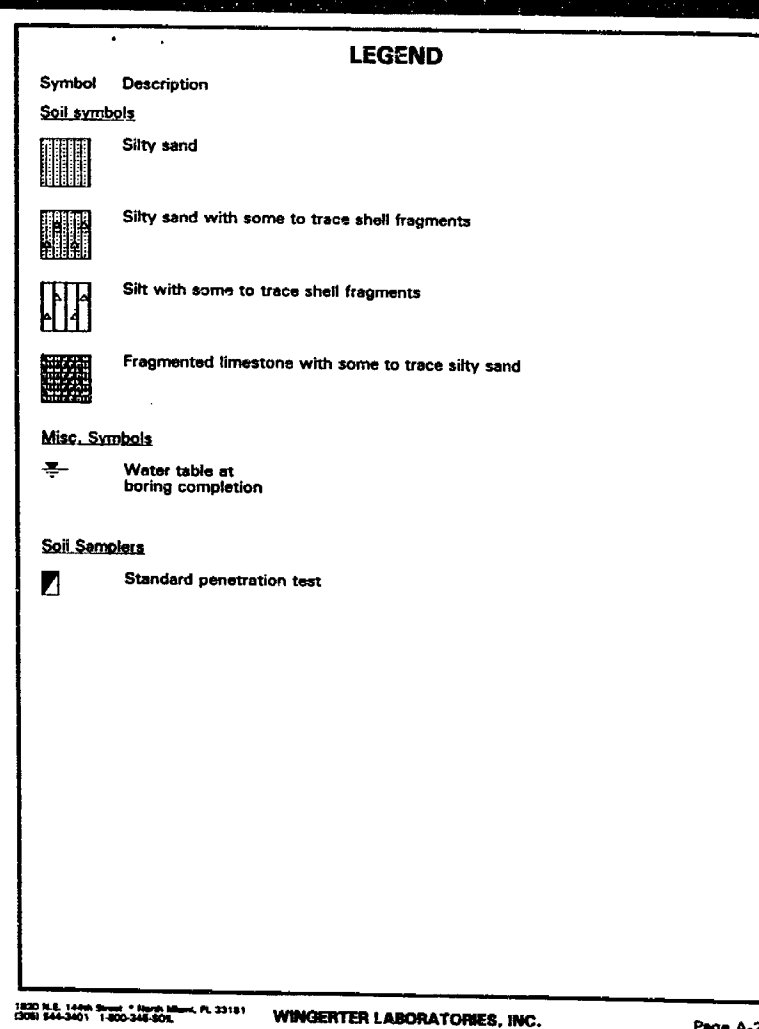
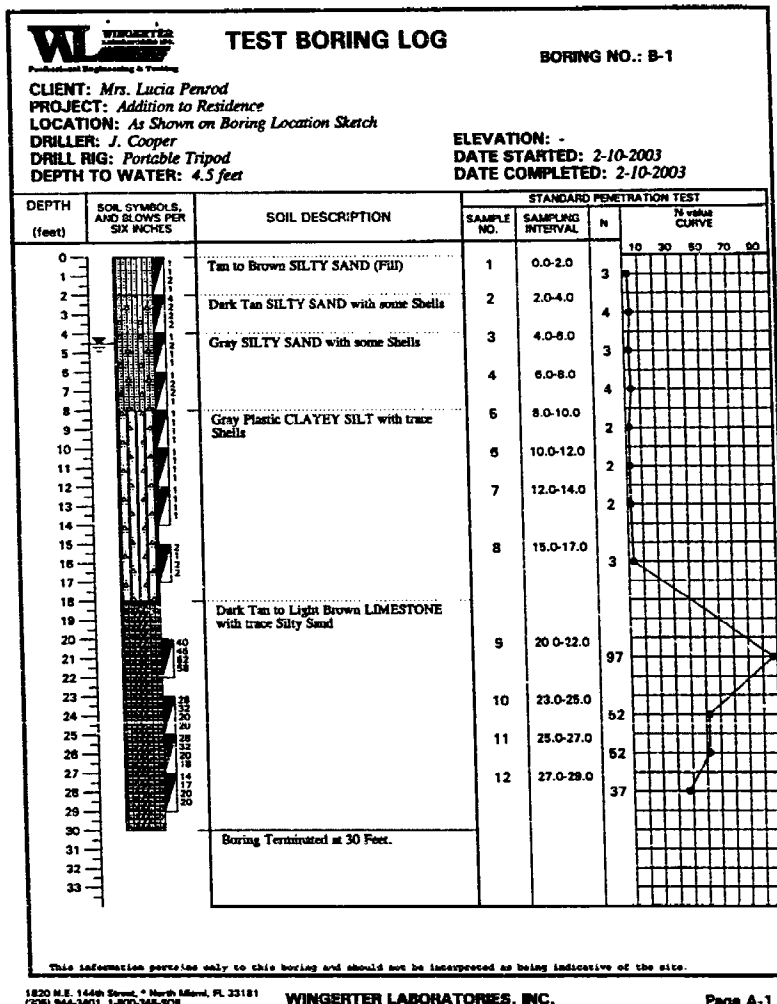
SPECIAL REMARKS & ANNOTATIONS

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 warranty, 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.

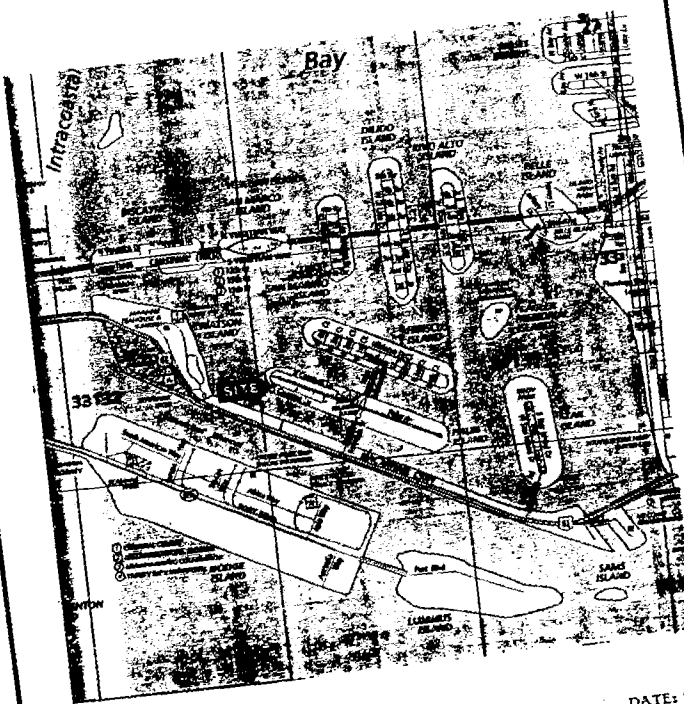
Also, since the criteria furnished to WLI constitutes our total knowledge and understanding of the project, inaccuracies, deviations or alterations of the criteria may invalidate these recommendations to the extent they impact the magnitude, distribution, and elevation of applied loads, or impact the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

APPENDIX A
TEST BORING LOGS



APPENDIX B
TEST BORING LOCATION MAP & SKETCH

TEST BORING LOCATION MAP



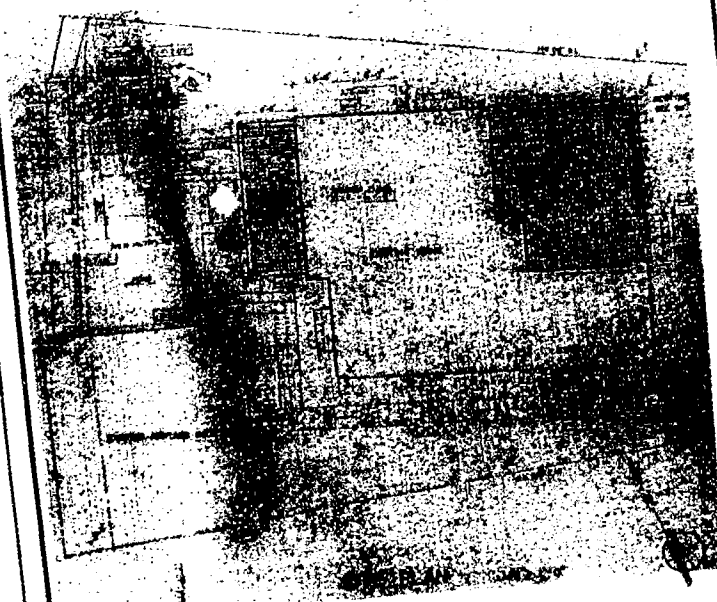
PREPARED BY: RD DATE: 2-11-05



Mrs. Lucia Penrod
Addition to Residence
317 North Coconut Lane, Palm Island, Miami
Beach, FL

Page: B-1

TEST BORING LOCATION SKETCH

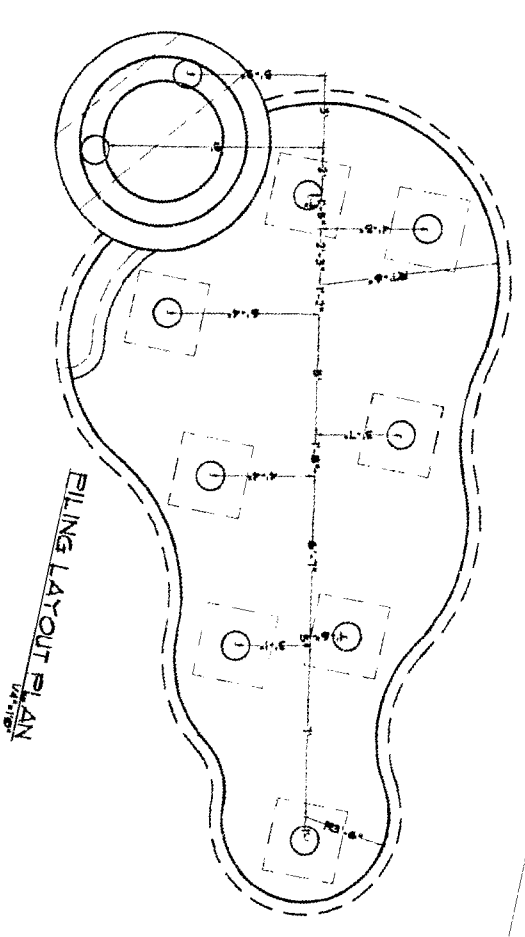
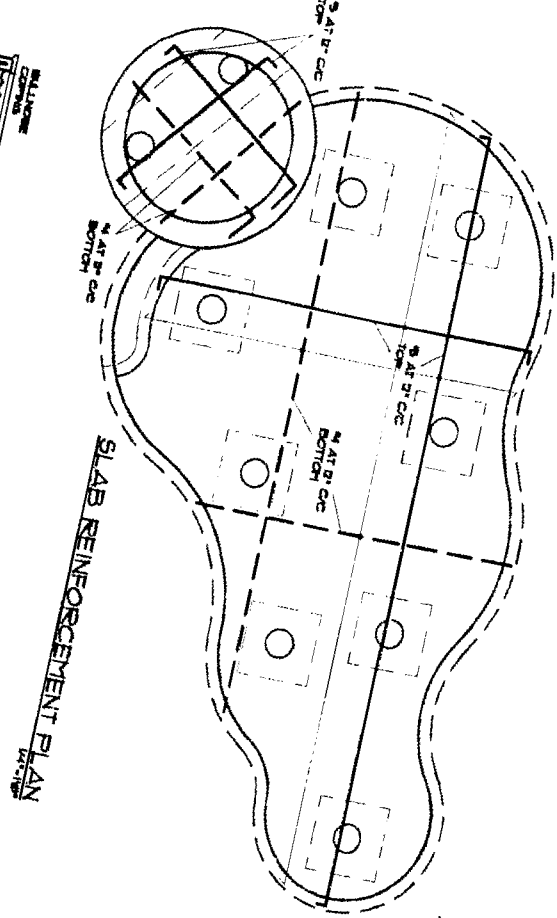
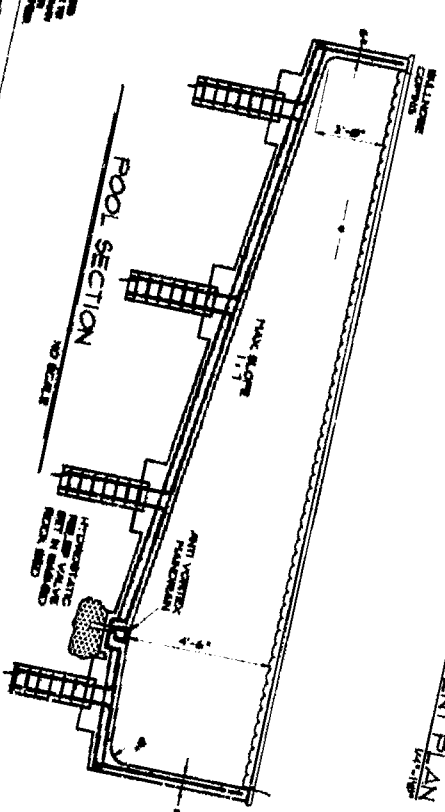


PREPARED BY: RD DATE: 2/11/05

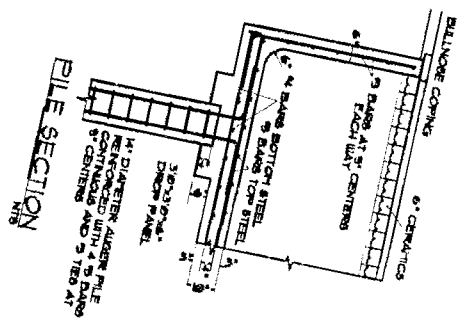
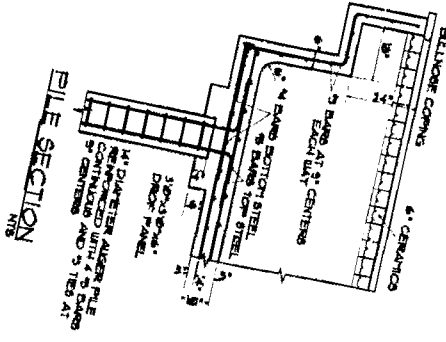
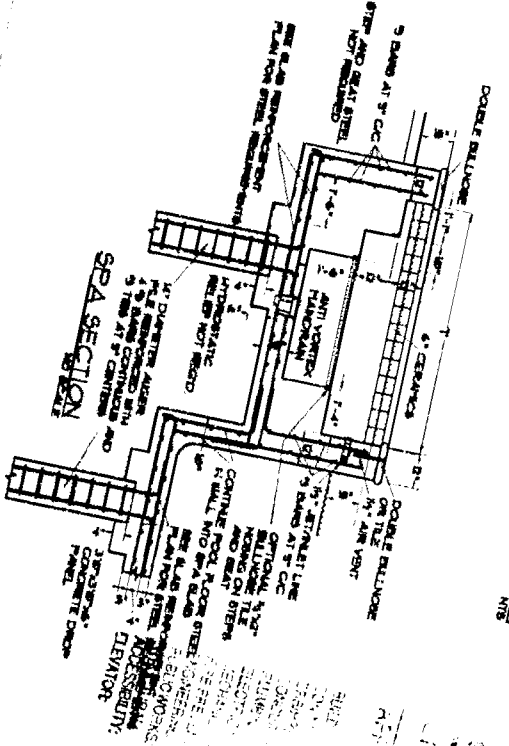


Mrs. Lucia Penrod
Addition to Residence
317 North Coconut Lane, Palm Island, Miami
Beach, FL

Page: B-2



STRUCTURAL NOTES:
 1. ALL REINFORCING BARS SHALL BE #4 OR LARGER UNLESS OTHERWISE NOTED.
 2. ALL REINFORCING BARS SHALL BE LAP SPICED AT 48" ON CENTER.
 3. ALL REINFORCING BARS SHALL BE DEVELOPED AS SHOWN.
 4. ALL REINFORCING BARS SHALL BE PROTECTED BY 1" MINIMUM CONCRETE COVER.
 5. ALL REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
 6. ALL REINFORCING BARS SHALL BE TIED TOGETHER AT ALL JOINTS.
 7. ALL REINFORCING BARS SHALL BE TIED TOGETHER AT ALL JOINTS.
 8. ALL REINFORCING BARS SHALL BE TIED TOGETHER AT ALL JOINTS.
 9. ALL REINFORCING BARS SHALL BE TIED TOGETHER AT ALL JOINTS.
 10. ALL REINFORCING BARS SHALL BE TIED TOGETHER AT ALL JOINTS.



As Per Florida Building Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE



RESIDENTIAL POOL FOR
PENROD RESIDENCE
 317 NORTH COCONUT LANE
 MIAMI BEACH, FLORIDA 33139
 3/28/88

KENNETH R. FEFFER, P.E.
 3315 SW 17TH AVENUE
 APT. 101
 MIAMI, FLORIDA 33135
 (305) 341-0001

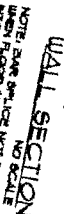
LEGAL:
 LOT 1 OF BLOCK 112
 RIVERA PALM ISLAND
 PLAT BOOK 31, AT PAGE 31
 MIAMI-DADE COUNTY, FLORIDA

ESSIG POOLS, INC.
 1800 N.W. 51 STREET
 NORTH MIAMI, FLORIDA 33163
 (305) 342-0000

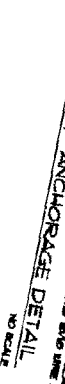
SHEET
 2
 3



...AND LOCATED IN A SUITABLE LOCATION, IF NECESSARY, TO
...FACTORY FROM EXPOSURE TO THE ELEMENTS.

[illegible]

WID WALL



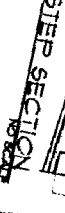
100



~~NO SCALE~~

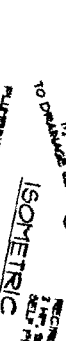


...ED ENGINEERING
...ON THESE PLANS
...STEEL BODIES SHALL BE BY HAND WITHOUT
...HEAT TO THE STEEL.

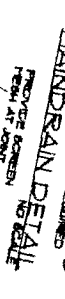


1

As per Florida Funding Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE

[illegible]

WE WILL NOT
ALL THE PEOPLE AND EQUIPMENT
ON BOARD AND ON



Top of foot on area
containing 1/2" x 1/2"



SKINNER SECTION
NO. 8242

[illegible][illegible]

317 NORTH COCONUT LANE
MIAMI BEACH, FLORIDA
305-535-1800

9375 SW 11th Avenue
Apartment 1026
Miami, Florida 33156
(305) 271-8863

LOT _____ OF BLOCK _____
AT BLOCK _____ AT PAGE _____
MIAMI-DADE COUNTY, FLORIDA

1000 NW 151 STREET
NORTH MIAMI, FLORIDA 33167
(305) 349-6000

SHEET
2

B0303409
317 N COCONUT
LA



PERMIT #

B0400039

41

10/6/03

1. Review C.A.C. for Project 88017

CITY OF
APPROVAL OF THE FOLLOWING:

BUILDING
ZONING
DRB/HPB
CONCURRENCE
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING
PUBLIC WORKS
STRUCTURAL
ACCESSIBILITY
ELEVATOR

FOR THE FOLLOWING:

PLUMBING
P.L. 100-1000
Phone 305-475-1000 Fax 305-475-1000
THIS PLAN REVIEW CONSTITUTES APPROVAL FOR THE CITY OF POMPANO BEACH, FLORIDA. IT DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED BY THE SUBMITTER. THE SUBMITTER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF POMPANO BEACH, FLORIDA. THE SUBMITTER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF POMPANO BEACH, FLORIDA. THE SUBMITTER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF POMPANO BEACH, FLORIDA.

As per Florida Building Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE

10/6/03

1. Review C.A.C. for Project 88017

CITY OF
APPROVAL OF THE FOLLOWING:

BUILDING
ZONING
DRB/HPB
CONCURRENCE
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING
PUBLIC WORKS
STRUCTURAL
ACCESSIBILITY
ELEVATOR

FOR THE FOLLOWING:

PLUMBING
P.L. 100-1000
Phone 305-475-1000 Fax 305-475-1000
THIS PLAN REVIEW CONSTITUTES APPROVAL FOR THE CITY OF POMPANO BEACH, FLORIDA. IT DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED BY THE SUBMITTER. THE SUBMITTER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF POMPANO BEACH, FLORIDA. THE SUBMITTER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF POMPANO BEACH, FLORIDA. THE SUBMITTER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF POMPANO BEACH, FLORIDA.

As per Florida Building Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE

JOHN D. BLEROSSE
P.E. 0050867
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
Permit Residence
177 N. Coconut Lane
Miami Beach, FL

October 2003

Submitted by:

JOHN D. BLEROSSE
P.E. 0050867
3450 N.E. 6TH TERRACE
POMPANO BEACH, FL. 33064
1-800-813-1822

WIND CALCULATIONS: BUILDING - PROJECTED BLADE

317 N. COCONUT AVE
MIAMI BEACH FL

DESCRIPTION: 30" DIA. 30' TALL CURVED BLADES
WITH SPARE BLADES AT LOW END. LENGTH RAILS
FROM 4' (MIN) TO 8' (MAX). ALL WIND BEHIND BLADES.

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

FOR BLADES WITH CURBS IN PLACE:

$V = 75 \text{ mph}$, $I = 1.00$, $K = 20$ OR LESS,

FOR EXPOSURE "C", $K_z = 0.90$ (MAX), $K_{zt} = 1.0$, $K_{d1} = 1.0$

$q = 0.0025 K_z K_{zt} K_d V^2 I = 1.30 \text{ psf}$ - OR 15 psf

FOR BLADES WITH CURBS REMOVED:

$V = 150 \text{ mph}$, $I = 1.00$, $K = 20$ OR LESS,

$K_z = 0.90$, $K_{zt} = 1.0$, $K_d = 1.0$

$q = 51.8 \text{ psf}$

DESIGN PRESSURE

SUBJECT CASE - 3' MAX LENGTH BLADE

FOR WIND 10° UPWARD & 10° DOWN RAILS:

PROJECTED AREA = 2.5 (3.2) SQ 10° = 3.56 sq ft

$GCF = +1.0$, 1.4 FOR ZONE 3 (WIND CASE)

WIND LOAD = 15.0 (3.56) (1.4) = 75 LBS

UPWARD COMPONENT = 75 SQ 10° = 13 LBS

LATERAL COMPONENT = 75 COS 10° = 74 LBS

MAX FACTORIAL LOAD = 15 LBS

SHEET 1 OF 2

WIND CALCULATIONS: BUILDING - PROJECTED BLADE

317 N. COCONUT AVE
MIAMI BEACH FL

DESIGN PRESSURE - BUILDING

FOR WIND 10° UPWARD & 10° DOWN RAILS:

PROJECTED AREA = 2.56 sq ft

$GCF = +1.0$, 1.4 FOR ZONE 3 (WIND CASE)

WIND LOAD = 51.8 (2.56) (1.4) = 162 LBS

UPWARD COMPONENT = 162 SQ 10° = 28 LBS

LATERAL COMPONENT = 162 COS 10° = 160 LBS

MAX FACTORIAL LOAD = 162 LBS - OK

SHEET 2 OF 2

BO-400039

317 N COCONUT
LN

41



PERMIT #

B0402754.

19

COCOA 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. PEROD
JOB NUMBER: 317 W. COCOA LANE MIAMI BEACH, FL. DATE: 4/15/2004
DESCRIPTION: IMPACT WINDOW REPLACEMENTS

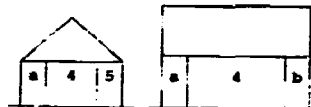
*** DESIGN WIND LOADS - ASCE 7-98 ***
*** COMPONENTS AND CLADDING ***

WIND VELOCITY = 145 MPH
EXPOSURE CATEGORY = C
BUILDING CATEGORY = 2
IMPORTANCE FACTOR = 1.00
K_z = 1.00

ROOF SLOPE = 0.00 : 12 (0.00 DEG)
TRIANGULAR AREA = 11.0 FT² K_z = 0.92 q_h = 30.2 PSF
MEAN ROOF HEIGHT = 22.0 FT K_z = 0.92 q_e = 48.1 PSF
DISTANCE, S = 18.0 FT

WIND LOADS		
	4	5
GCP (+)	0.882	0.882
GCP (-)	-0.972	-1.224
PRESSURE (psf)	53.3	53.3
	14.88*	14.88*
SUCTION (psf)	-57.8	-70.5
	-14.88*	-17.78*

FOR WINDOW MARK ④



$P = q_h(GCP) - (GCP)$
 $GCP = \pm 0.18$
BUILDING WIDTH = 23.0 FT
CORNER DISTANCE, a = 3.0 FT

Edmund J. Quintana
4-15-04

MIAMI-DADE COUNTY, FLORIDA
METRODADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRODADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1400
MIAMI, FLORIDA 33120-1400
(305) 375-2901 FAX (305) 375-2908
CONSTRUCTION INSPECTION SERVICE
(305) 375-2927 FAX (305) 375-2928
CONTRACTOR INFORMATION SYSTEM
(305) 375-2903 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2903 FAX (305) 375-2908

PRODUCT CONTROL NOTICE OF ACCEPTANCE
PCT Industries
1870 Technology Drive
Nokomis, FL 34275

Your application for Notice of Acceptance (NOA) of:
Series PW-781 Aluminum Fixed Window - Non-Impact & Impact Resistant
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternative 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: SEP 13 2006

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.

APPROVED: 09/13/2001

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

Internet mail address: postmaster@buildingcodeonline.com Homepage: <http://www.buildingcodeonline.com>

PCT Industries

ACCEPTANCE NO.: 01-0102-01
APPROVED: SEP 13 2001
EXPIRES: SEP 13 2006

NOTICE OF ACCEPTANCE - SPECIFIC CONDITIONS

- SCOPE
 - 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.
- PRODUCT DESCRIPTION
 - The Series PW-781 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 4 of 8, titled "PW-781 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.
- LIMITATIONS
 - This approval applies to single unit applications only, as shown in approved drawings.
 - Non-Impact Resistant windows, for Design Pressure Rating vs. Window Size, see Comparative Analysis Tables in Sheet 3 of 8 of approved drawings.
 - Impact Resistant windows, see Design Pressure Rating in Sheet 1 of 8 of approved drawings.
- INSTALLATION
 - The aluminum fixed window and its components shall be installed in strict compliance with the approved drawings.
 - Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.
- 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".
- BUILDING PERMIT REQUIREMENTS
 - Application for building permit shall be accompanied by copies of the following:
 - This Notice of Acceptance
 - 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.
 - 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 Lopez
Manuel Lopez, P.E. Product Control Examiner
Product Control Division

PCT Industries

ACCEPTANCE No.: 01-0192.01
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 Approval", 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 on 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 must be 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 resal 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
Manuel Perez, P.E., Product Control Examiner
Product Control Division

3

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. PENRUD 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 (1.00 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 = 19.0 FT

WIND LOADS		
WALL AREA		
	4	5
GCP (+)	0.900	0.900
GCP (-)	-0.990	-1.260
PRESSURE (psf)	54.2	54.2
	+46.07	+46.07
SUCTION (psf)	-58.7	-72.3
	-48.90	-61.46

$$p = qh[(GCP) - (GCP)]$$

$$GCP1 = 0.19$$

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

a 4 5

a 4 b

Manuel Perez
3-30-04

Printed By: PCT INDUSTRIES-PRODUCTION: 041 480 0907: 23 Oct 03 01:39PM: 00 44: Page 4

MIAMI-DADE COUNTY, FLORIDA
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
MIAMI-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 140
MIAMI, FLORIDA 33136-1562
(305) 375-2801 FAX (305) 375-2866

NOTICE OF ACCEPTANCE (NOA)

PCT 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 as 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 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 Division 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 Approval", 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.

ADVERTISING: 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 03-0411.02
Expiration Date: May 22, 2008
Approval Date: October 9, 2003
Page 1

19

EMERAC SIGNS
PLAN REVIEW NOTICE
Phone 305-673-7330 Fax 305-673-7330

**THIS PLAN REVIEW CONSTITUTES APPROVAL FOR
OBTAINING BUILDING PERMITS ONLY.**

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

Permit Requirements: Proof of existing sidewalk, street area conditions
gathered and/or posting of signs in roadway (before
start of work) inspection of the right-of-way will be required prior to
(start sign-off on the C.C., C.O., or the release of bonds.)

Approved Date: *ENC 04/06/2004*

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

Sunshine One-Call 1-800-422-4770
City of Miami Beach 305-673-7330

Visual Tech/Progressive Glass Technology

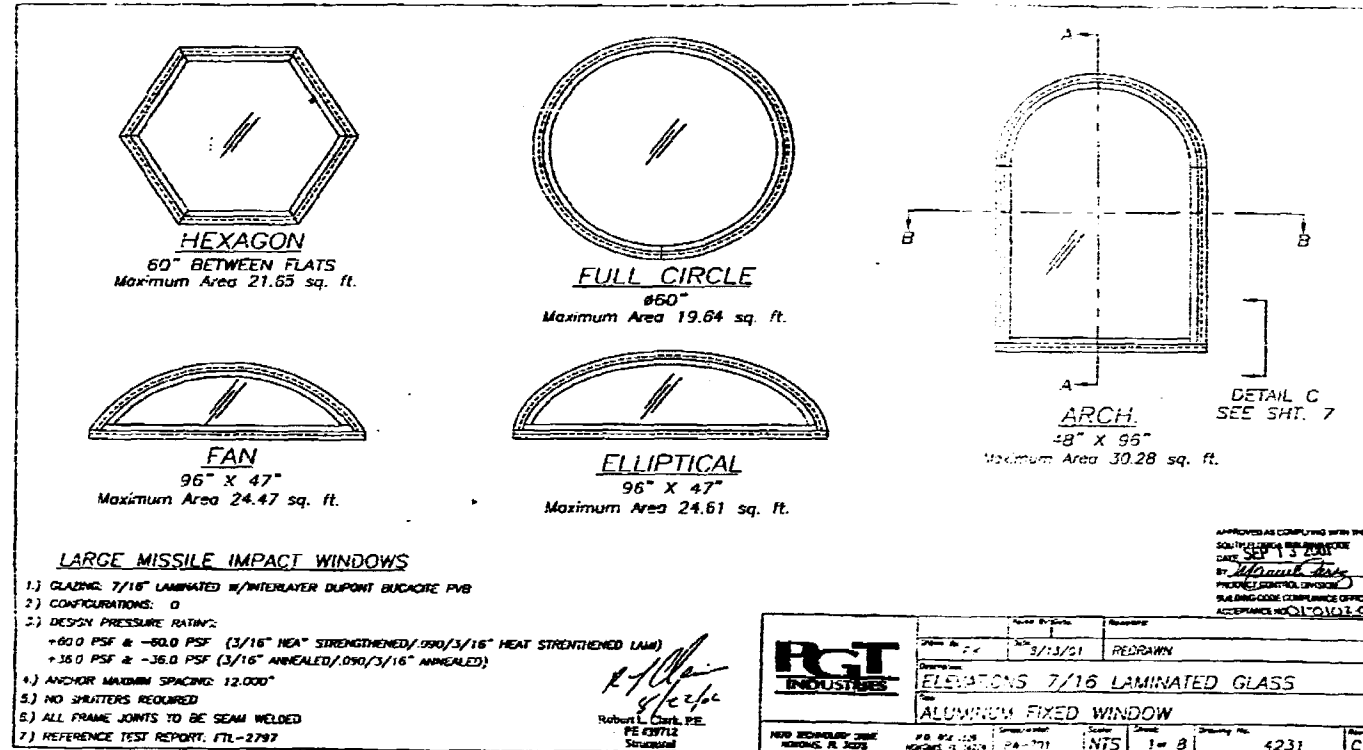
ACCEPTANCE No. : 01-9625.06
APPROVED : November 01, 2001
EXPIRES : November 01, 2006

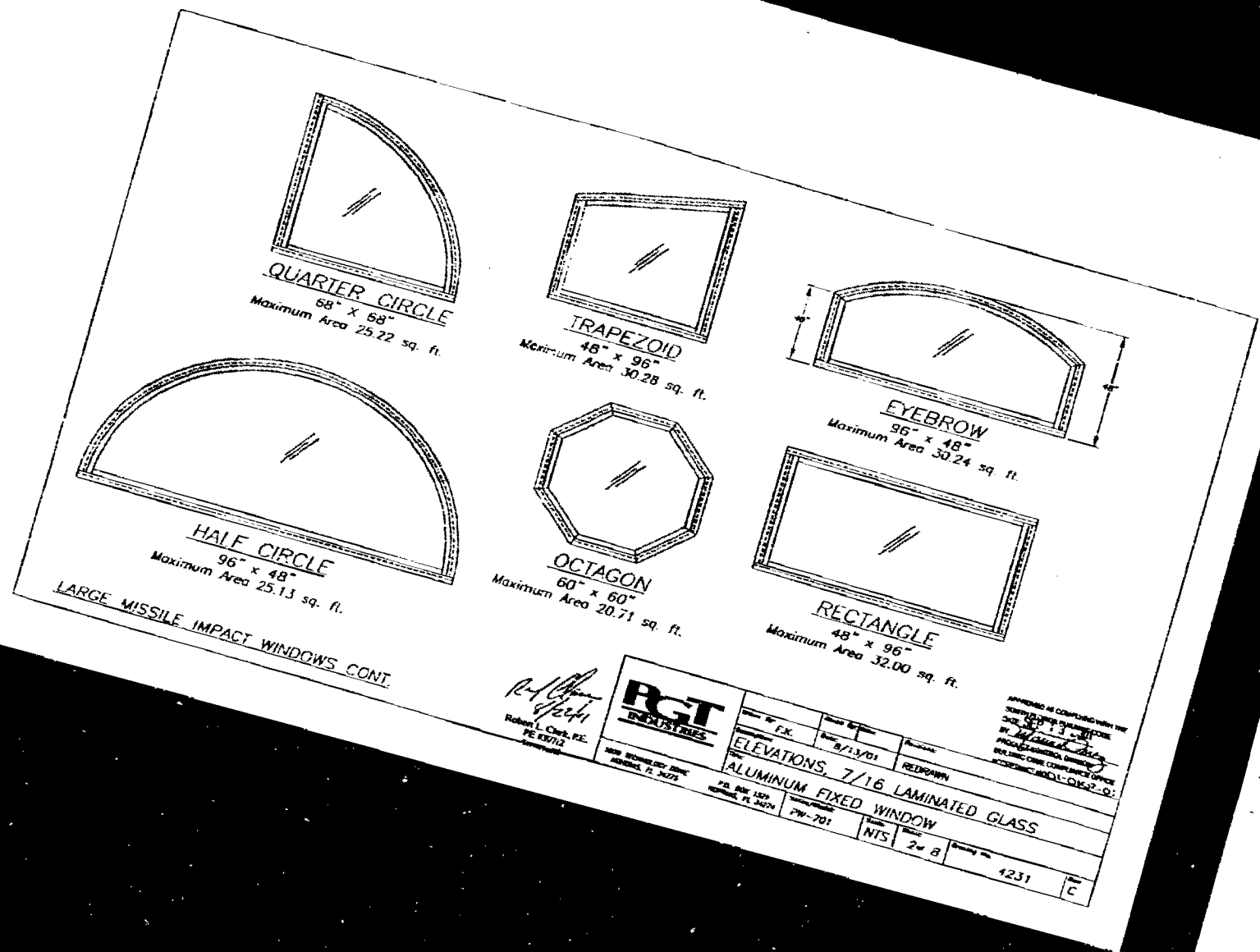
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

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 Approval", 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 change.
 - 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 provided 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 retain 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

Isabel L. Chaudh
Isabel L. Chaudh, P.E., Product Control Examiner
Product Control Division

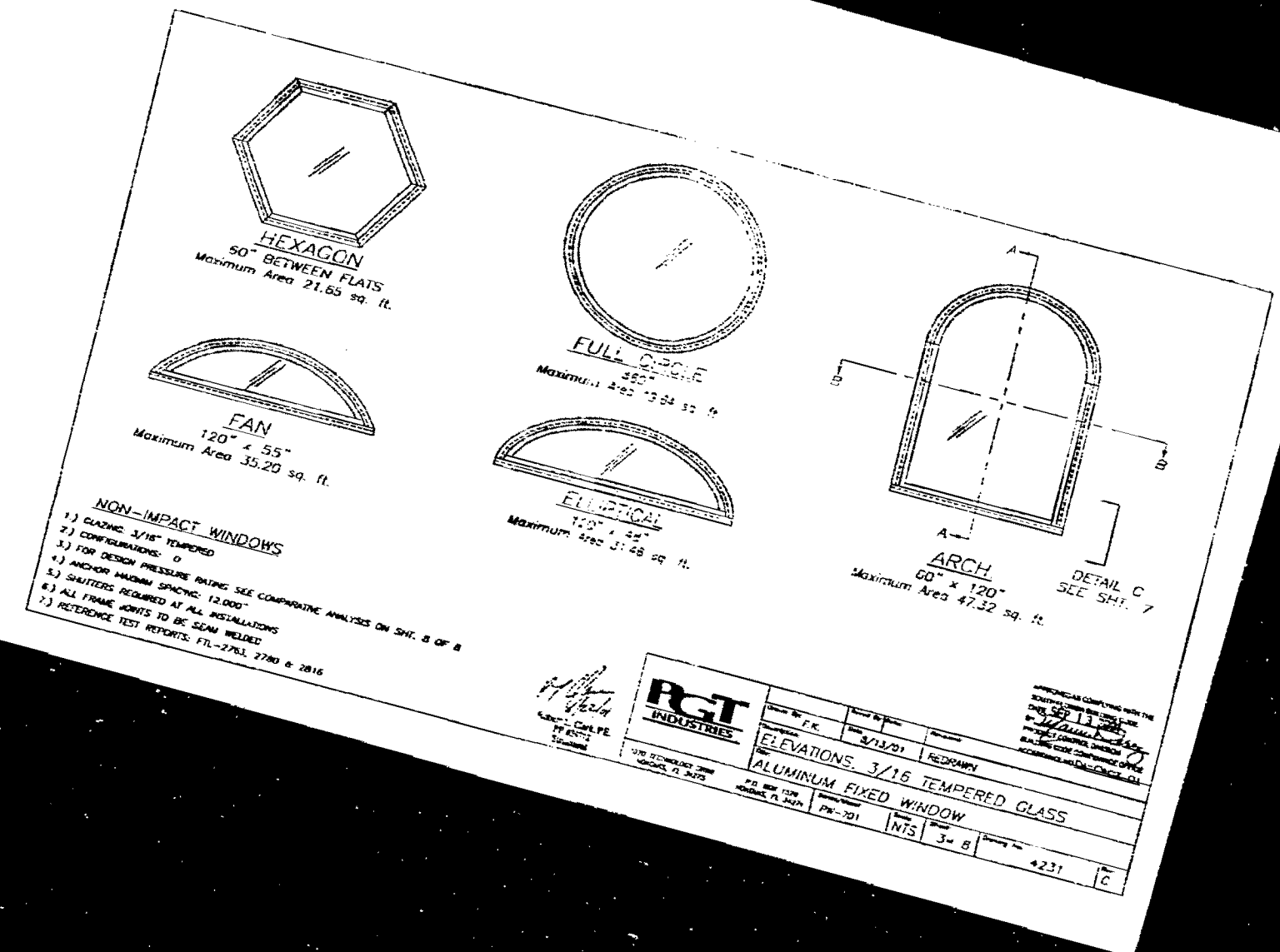




RGT INDUSTRIES
1400 S. W. 10th Ave.
Fort Lauderdale, FL 33304

Drawn by: *[Signature]*
Checked by: *[Signature]*
Date: 8/11/01

ELEVATIONS 7/16 LAMINATED GLASS	
ALUMINUM FIXED WINDOW	NTS 2x B
4231	C



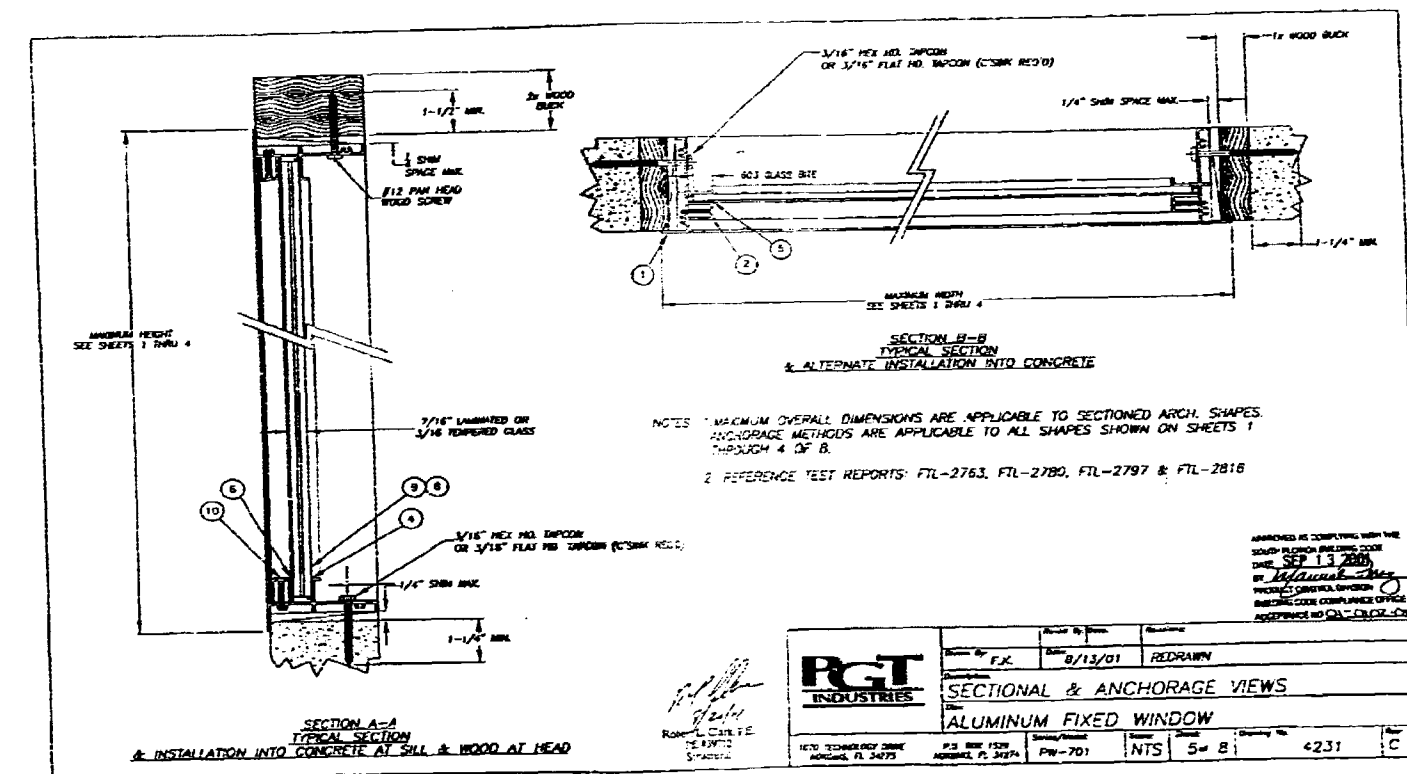
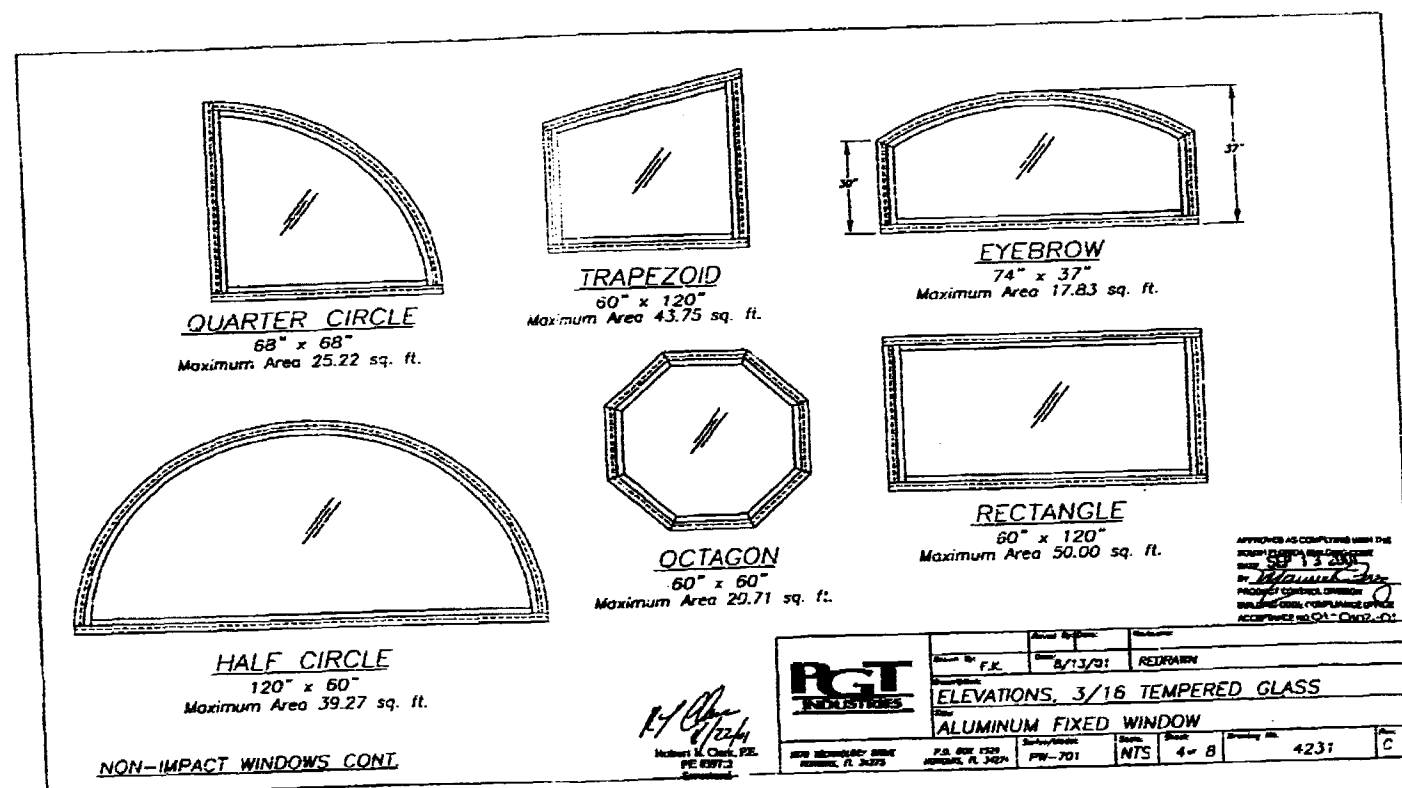
NON-IMPACT WINDOWS

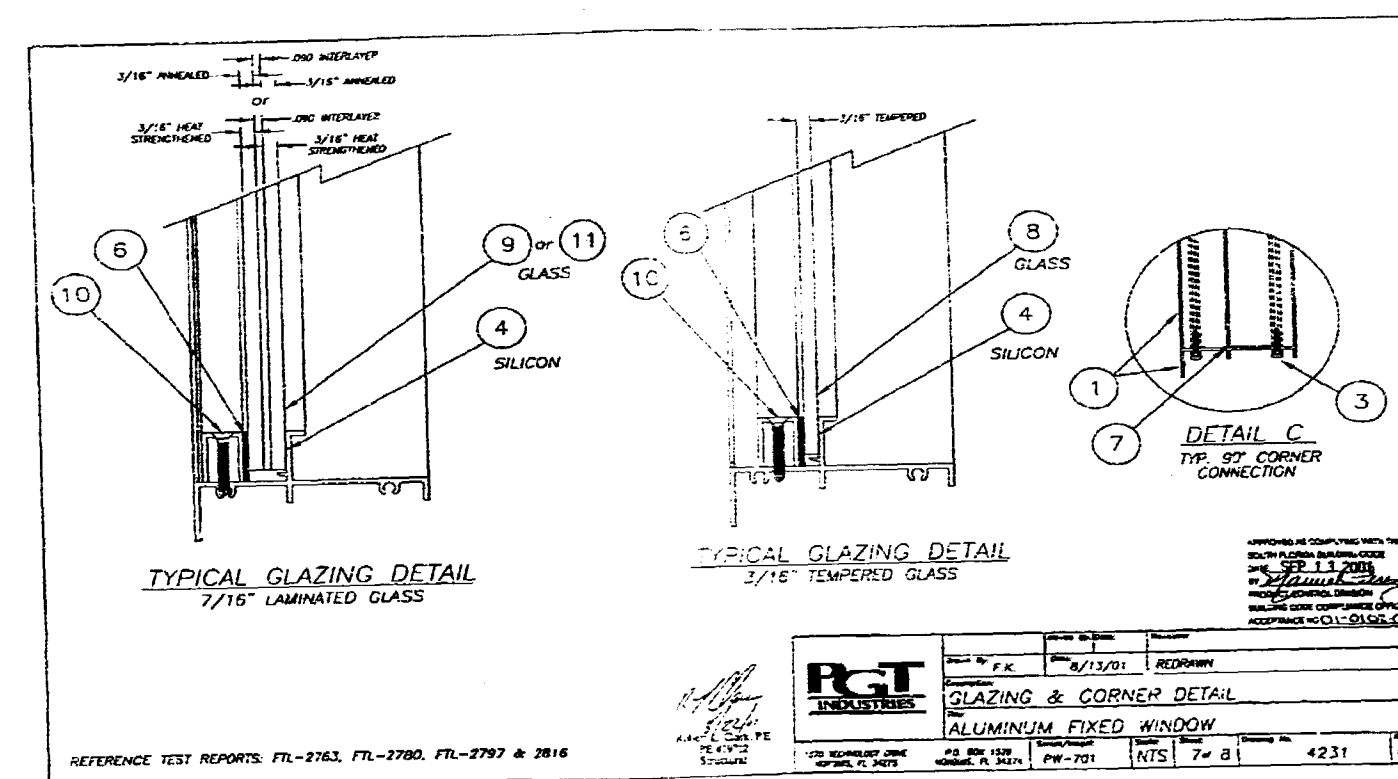
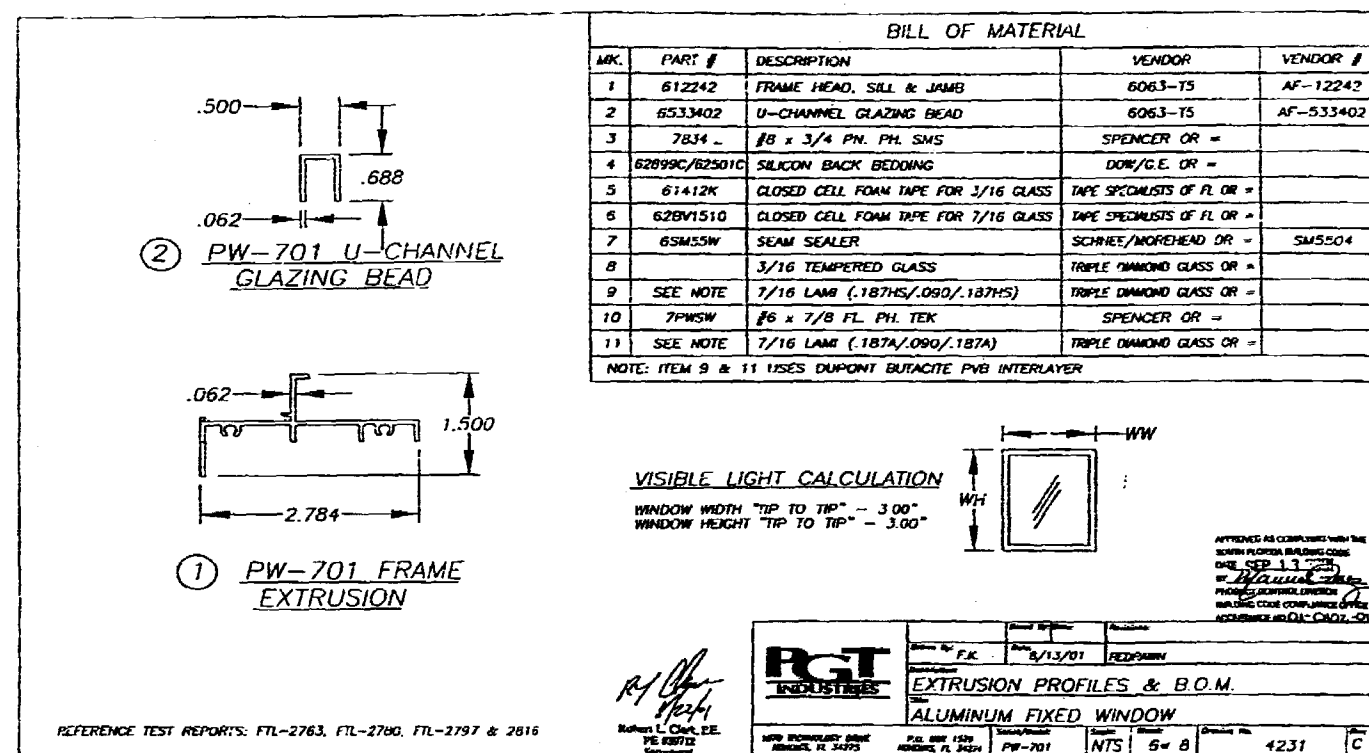
- 1.) GLASSING 1/16" TEMPERED
- 2.) CONFIGURATION: 0
- 3.) FOR DESIGN PRESSURE: 0
- 4.) ANCHOR HOOKS: SEE COMPARATIVE ANALYSIS ON SH. 8 OF 8
- 5.) SHUTTERS REQUIRED AT ALL INSTALLATIONS
- 6.) ALL FRAME JOINTS TO BE SEAM WELDED
- 7.) REFERENCE TEST REPORTS: FL-2701, 2702 & 2816

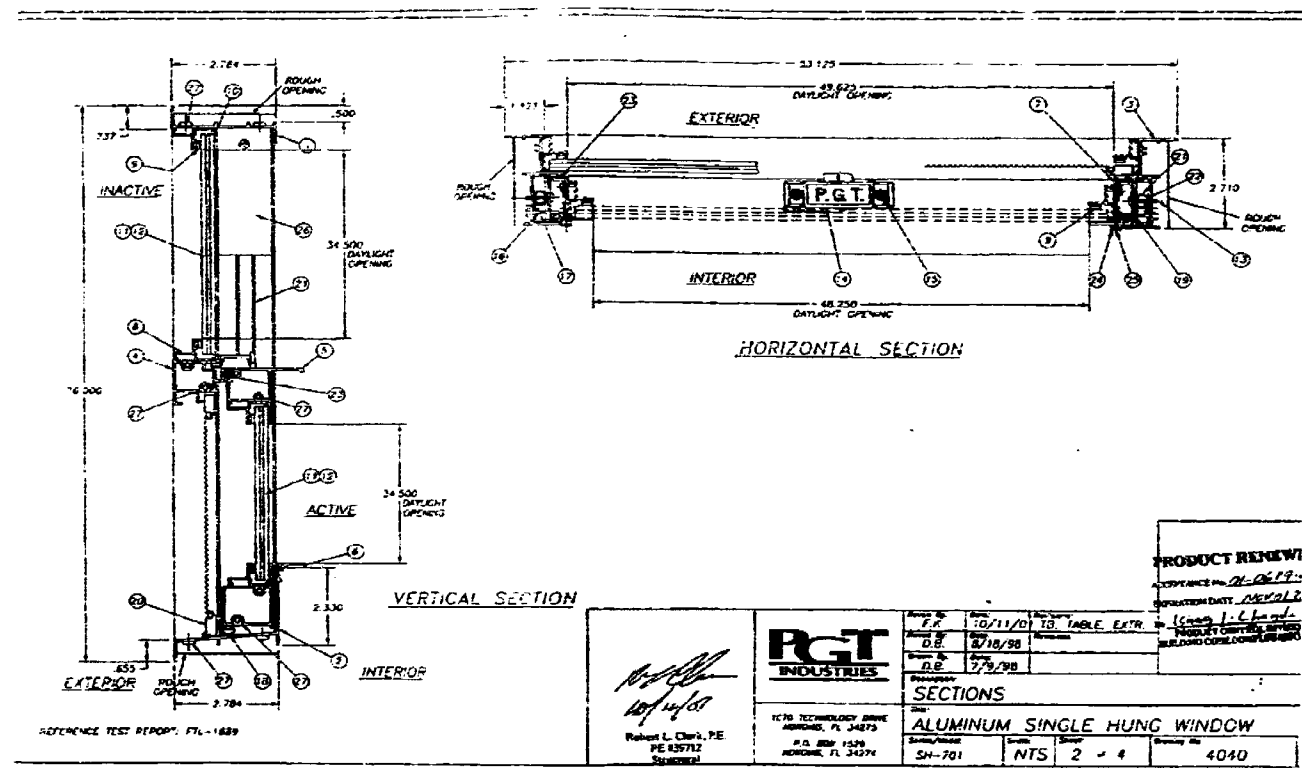
RGT INDUSTRIES
1400 S. W. 10th Ave.
Fort Lauderdale, FL 33304

Drawn by: *[Signature]*
Checked by: *[Signature]*
Date: 8/11/01

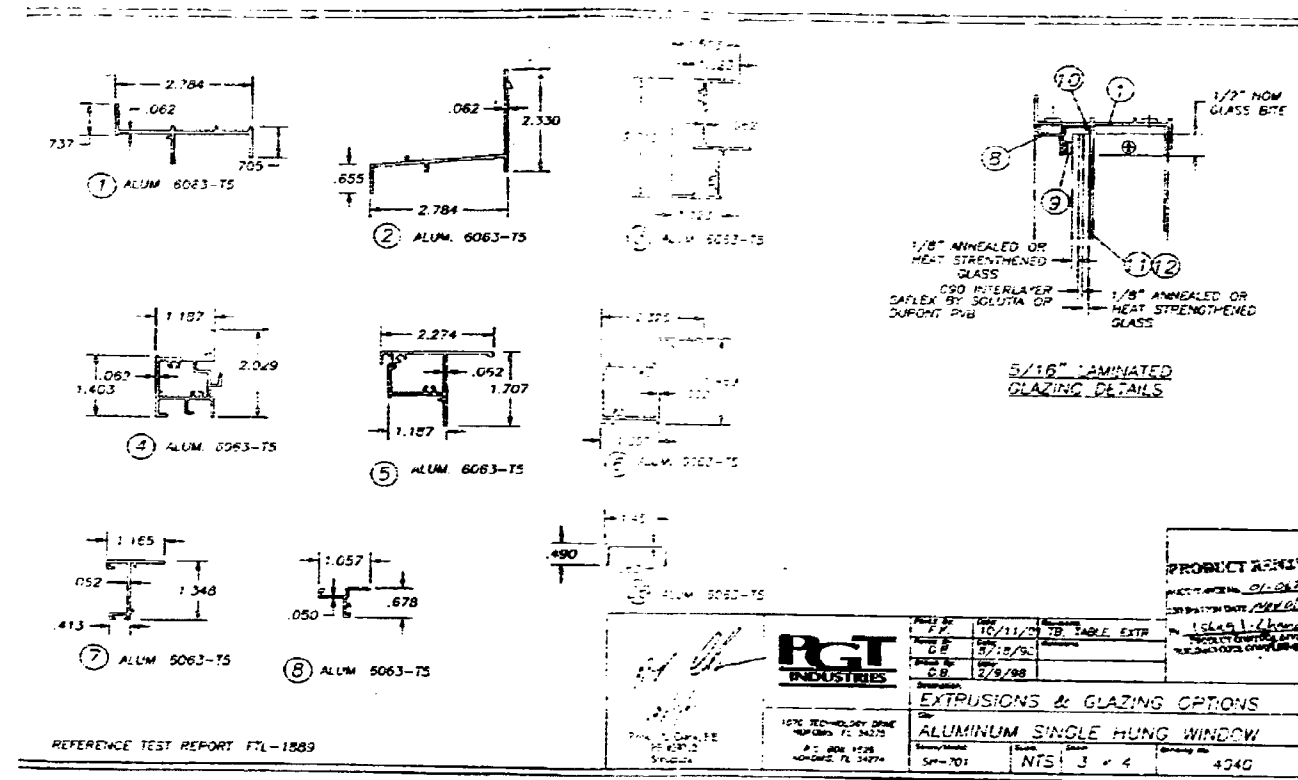
ELEVATIONS 3/16 TEMPERED GLASS	
ALUMINUM FIXED WINDOW	NTS 3x B
4231	C





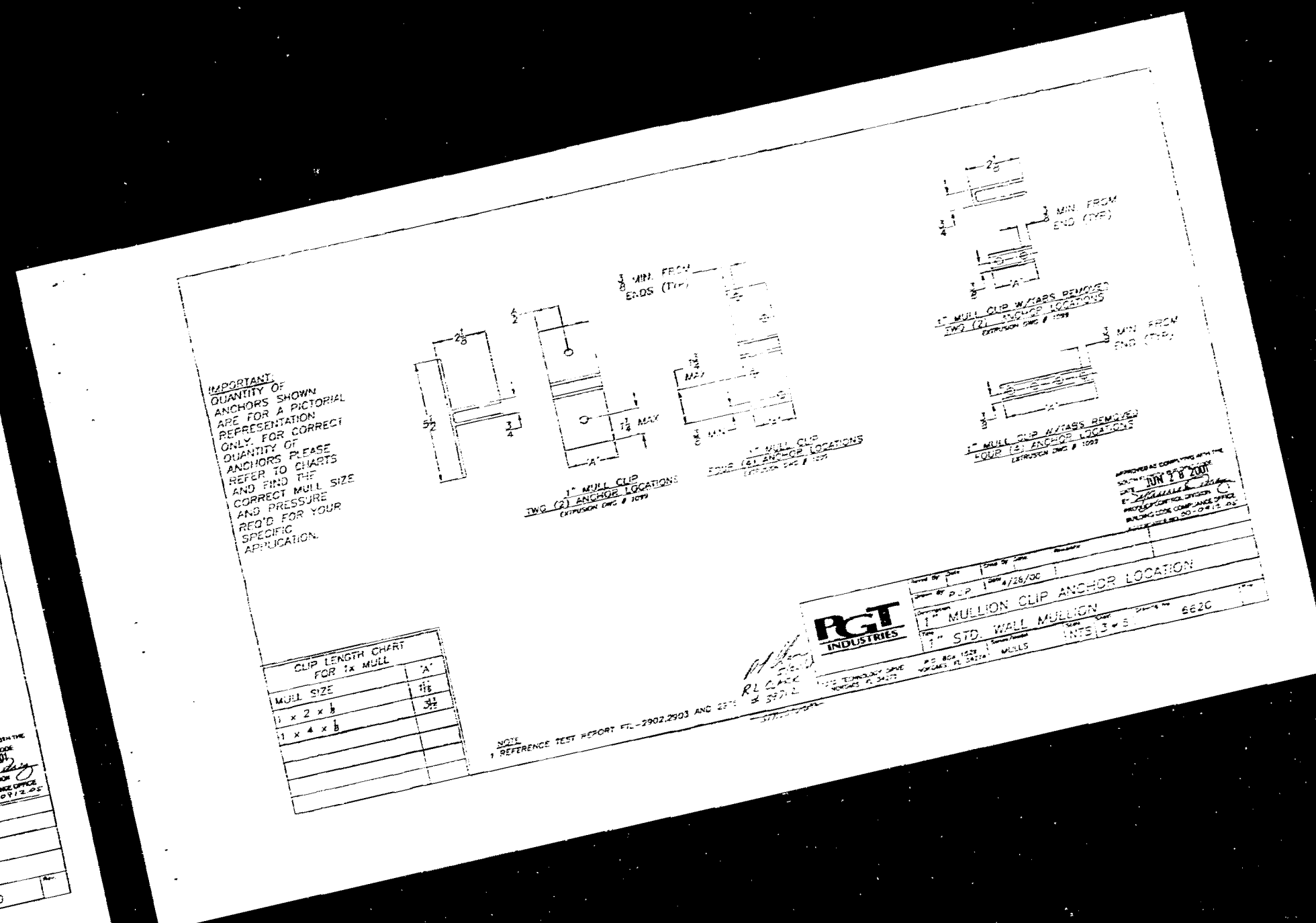


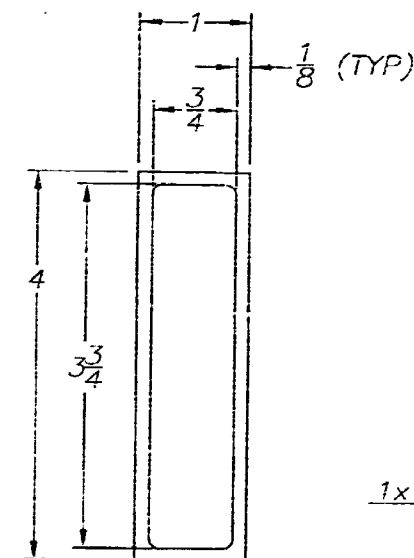
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11-02-01 12:15:00 FROM: RGT INDUSTRIES
36533921
12/24/01 10:17:11
Page 006



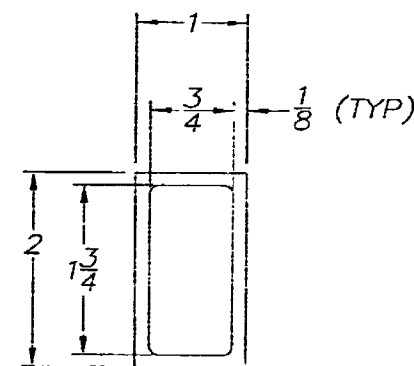
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36533921
12/24/01 10:17:11
Page 006







1x STD. WALL MULLS
MAT'L: 6063-T6



APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUN 28 2000
BY [Signature]
PROJECT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. D.D.-0710-05



Project No. Date: 4/28/00
Drawn By: P.J.P.
Description: PROFILES

1" STD. WALL MULLION

1070 TECHNOLOGY DRIVE
NORFOLK, VA 24070
P.O. BOX 1329
NORFOLK, VA 24074
MULLS
NTS 4 x 5
Drawing No. 6620

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

[Signature]
Robert L. Clark, P.E.
EE-039712
Structural

1x2x.125 2 Anchors		OPENING WIDTH IN INCHES										
MULL LENGTH IN INCHES	1	50	60	70	80	90	100	110	120	130	140	150
	42	129	115	107	104	103	103	103	103	103	103	103
	48	83	73	67	63	61	61	61	61	61	61	61
	50.625	70	61	55	52	50	49	49	49	49	49	49
	54	57	49	44	41	39	38	38	38	38	38	38
	60	41	35	31	29	27	26	25	25	25	25	25
	63	35	30	27	24	23	22	21	20	20	20	20
	66	30	26	23	21	19	18	18	17	17	17	17
	72	23	20	17	16	15	15	14	14	14	14	14
	76	20	17	15	14	13	13	12	12	12	12	12
	78	18	15	14	13	12	12	11	11	11	11	11
	84	14	12	11	10	9	9	8	8	8	8	8
	90	11	9	8	7	6	6	5	5	5	5	5
	96	9	7	6	5	4	4	3	3	3	3	3
	108	7	5	4	3	2	2	1	1	1	1	1
	111	6	4	3	2	1	1	0	0	0	0	0
	144	1	0	0	0	0	0	0	0	0	0	0

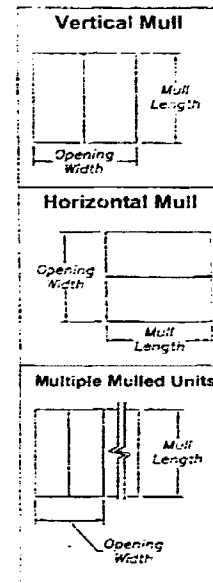
NOTES:
1. MAXIMUM ALLOWABLE PRESSURE IN PSF.
2. DESIGN IS BASED ON OPENING WIDTH. FOR MULTIPLE UNITS, CONSIDER ONLY TWO ADJACENT UNITS AT A TIME. SEE SHEET :
3. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975



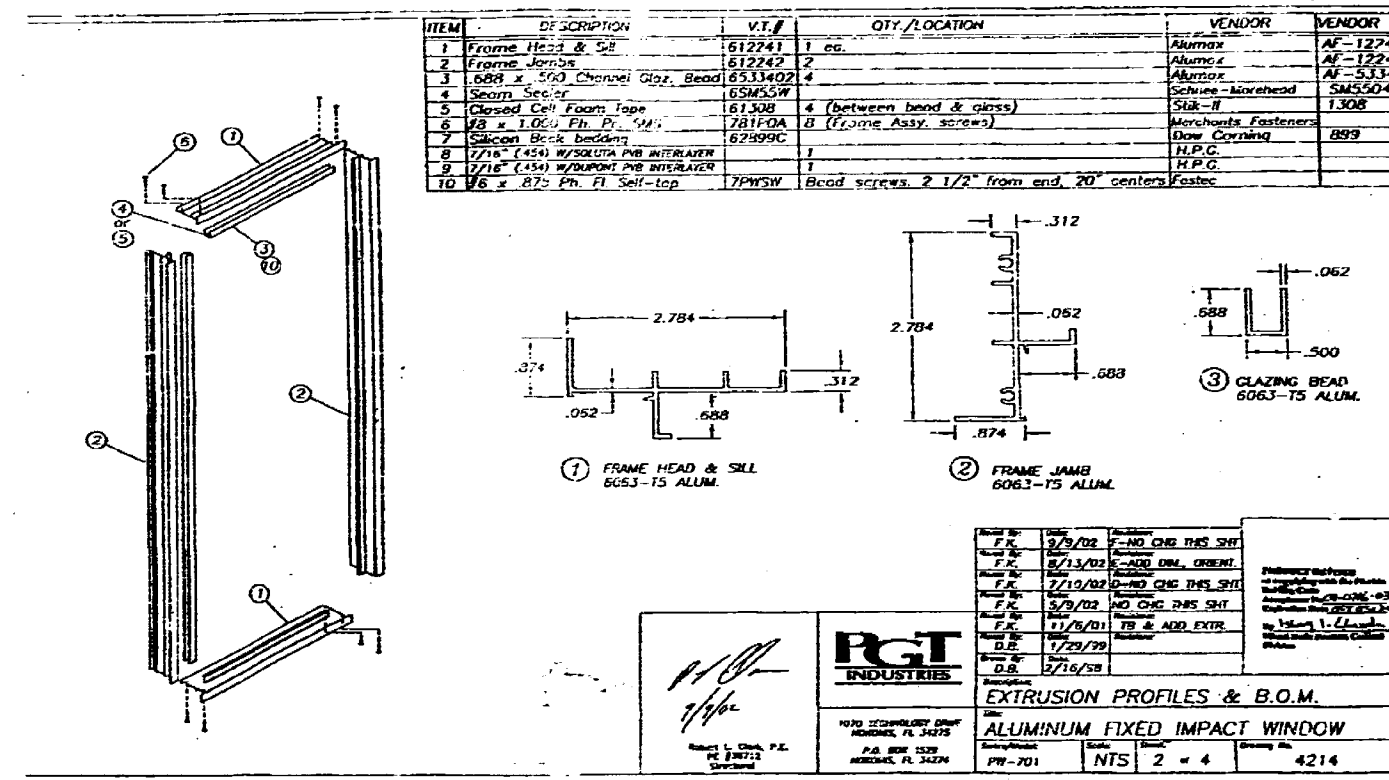
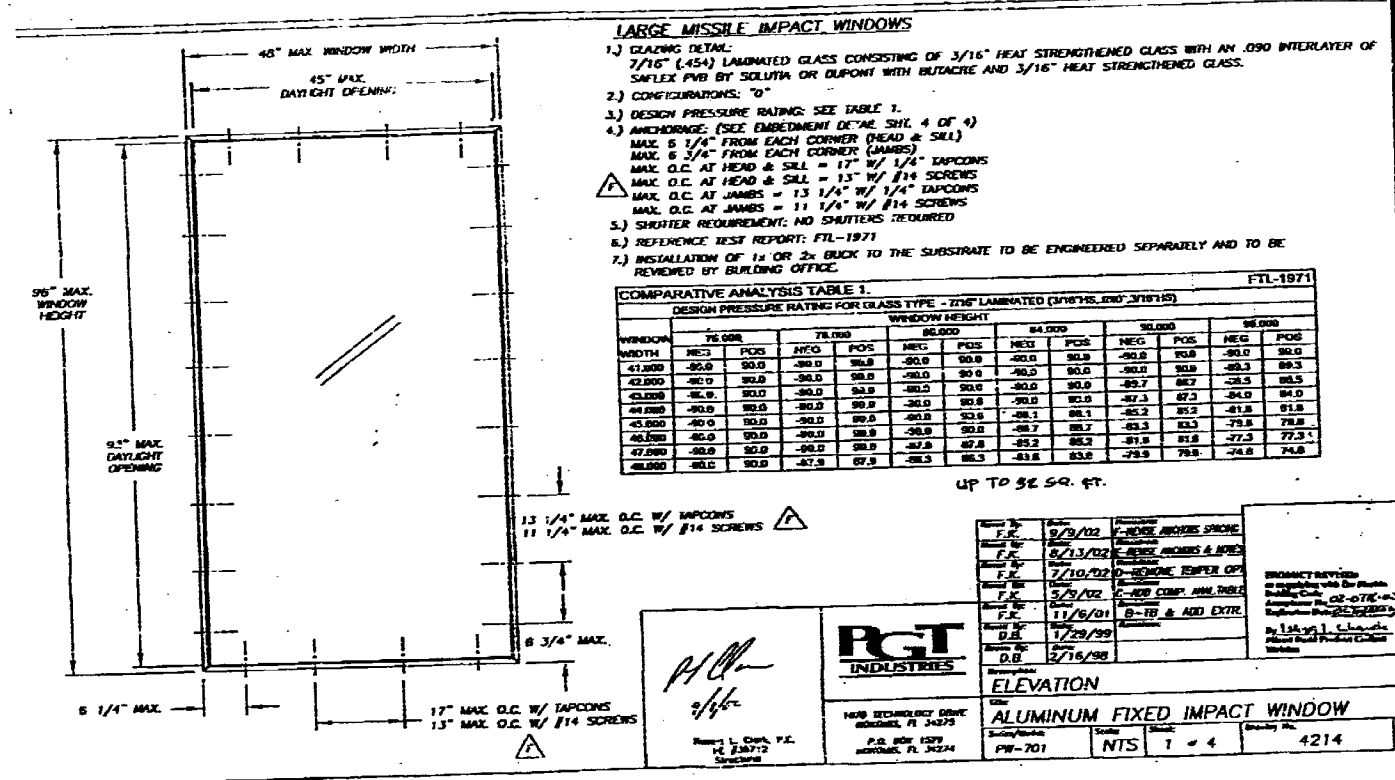
Project No. Date: 4/28/00
Drawn By: P.J.P.
Description: PRESSURE CHARTS

1" STD. WALL MULLION

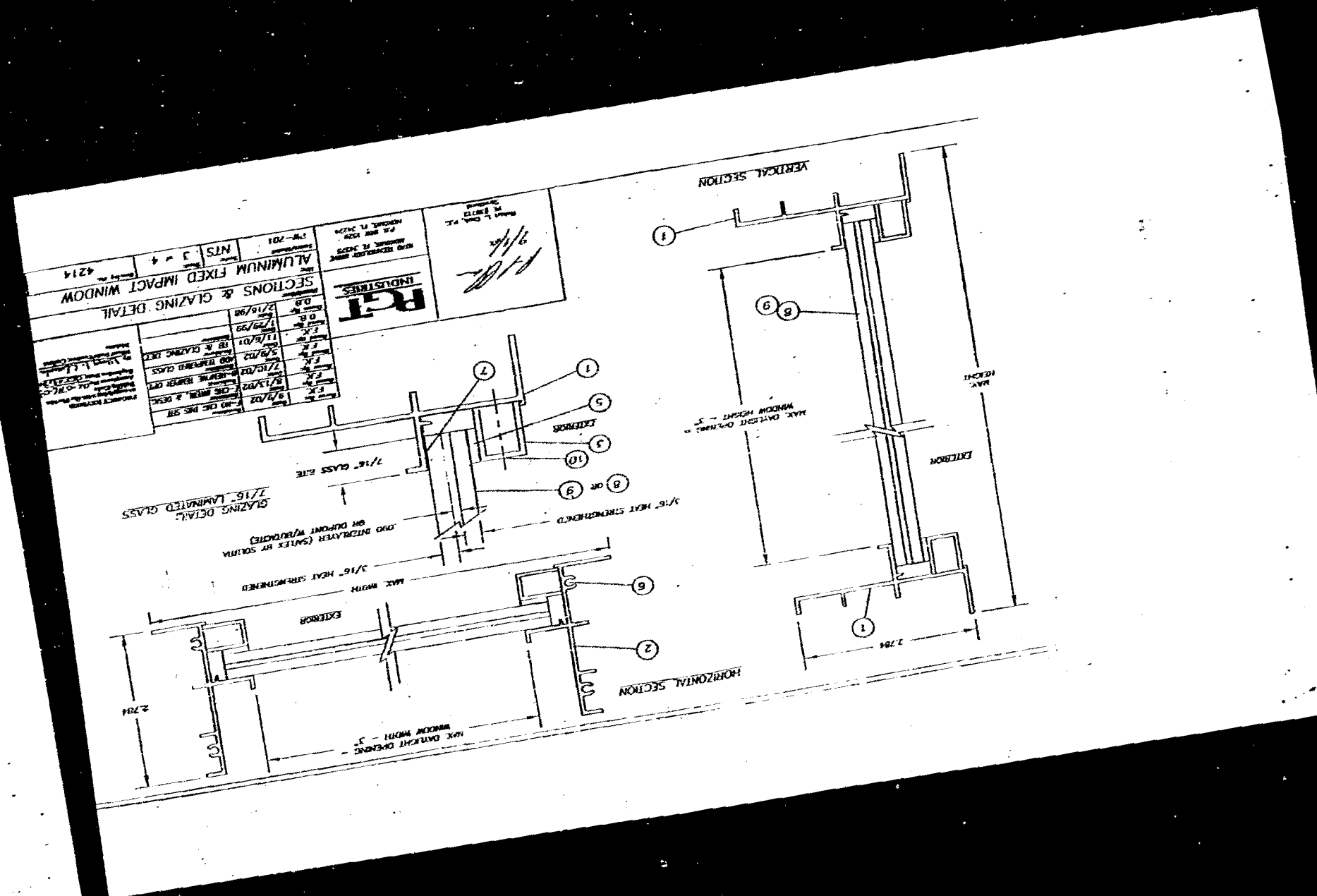
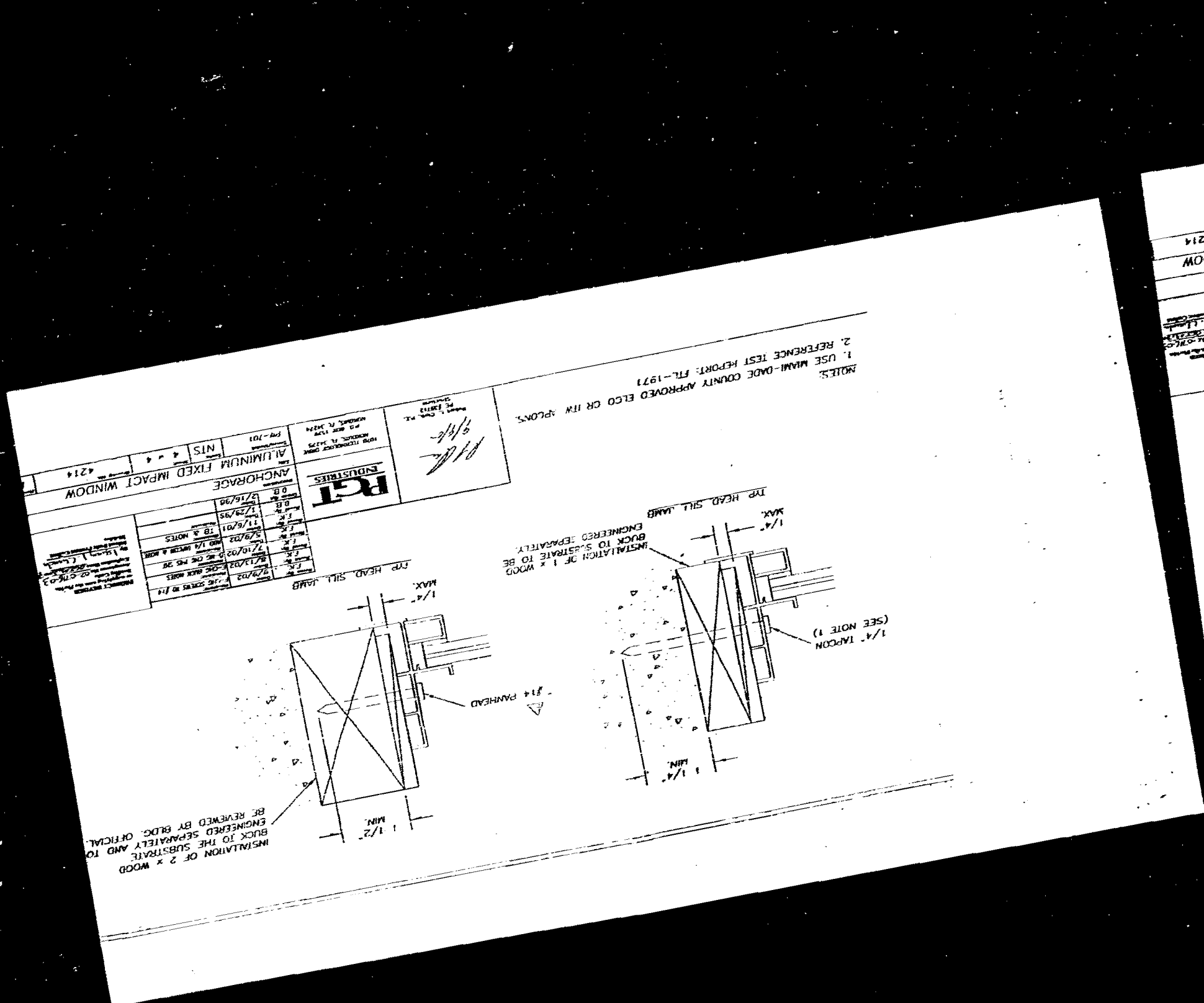
1070 TECHNOLOGY DRIVE
NORFOLK, VA 24070
P.O. BOX 1329
NORFOLK, VA 24074
MULLS
NTS 5 x 5
Drawing No. 6620



APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUN 28 2000
BY [Signature]
PROJECT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. D.D.-0710-05



61



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 WITH AN .080 INNER LAYER OF SOLUTIA OR DUPONT PVB.

B. 5/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .080 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 WITH AN .080 INNER LAYER OF SOLUTIA OR DUPONT PVB.

D. 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .080 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 3/16" AIR SPACE. 5/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .080 SOLUTIA OR DUPONT INNER LAYER.

2. CONFIGURATIONS: X, XO, 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 "XO" CONFIGURATIONS SEE SHEET 4.

F. FOR "XOX" & "OX" CONFIGURATIONS SEE SHEET 5.

G. FOR "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. 12" SPACING ON FIXED LITES
(2) ANCHORS 3" APART AT MID-SPAN ON FIXED LITE ONLY
MAX. 4" FROM CORNERS
MAX. 12" SPACING
(2) ANCHORS 3" APART AT MID-SPAN

JAMBS: MAX. 4" FROM CORNERS
MAX. 12" 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

1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10
11	11	11	11	11	11
12	12	12	12	12	12

NOA DRAWING TABLE OF CONTENTS

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
Reviewed by: [Signature]
Date: 03-04-02
Reviewed by: [Signature]
Date: 03-04-02

PGI NOTES AND TABLE OF CONTENTS
ALUMINUM CASEMENT WINDOW, IMPACT
CA-68 NTS 1 - 12 7045-8 C

1/8" ANNEALED GLASS 090 SOLUTIA OR DUPONT PVB INNER LAYER
1/8" HEAT STRENGTHENED GLASS
65" NOM. GLASS BITE

5/16" LAMINATED GLAZING DETAIL

3/16" ANNEALED OR HEAT STRENGTHENED GLASS 090 SOLUTIA OR DUPONT PVB INNER LAYER
3/16" HEAT STRENGTHENED GLASS
65" NOM. GLASS BITE

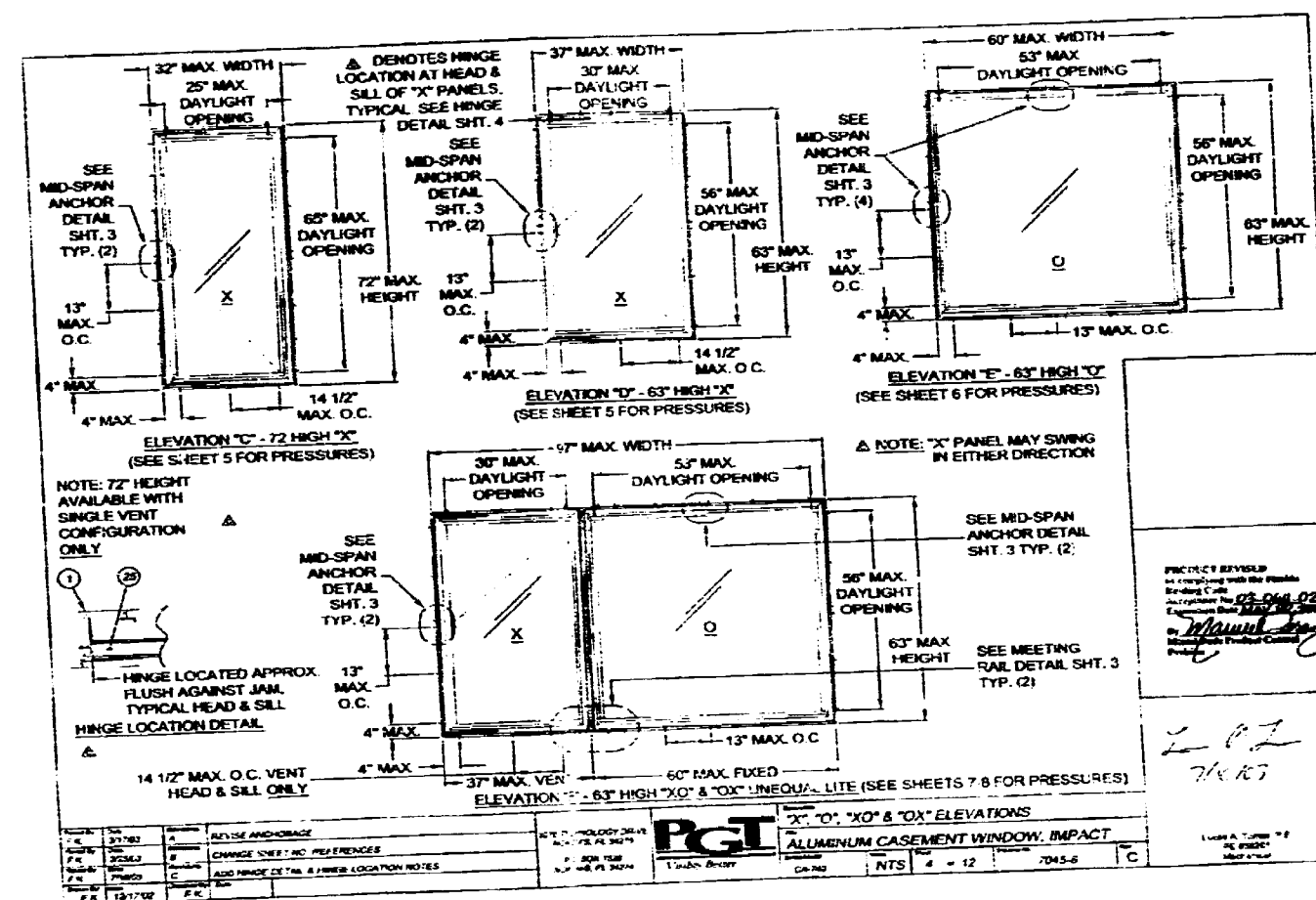
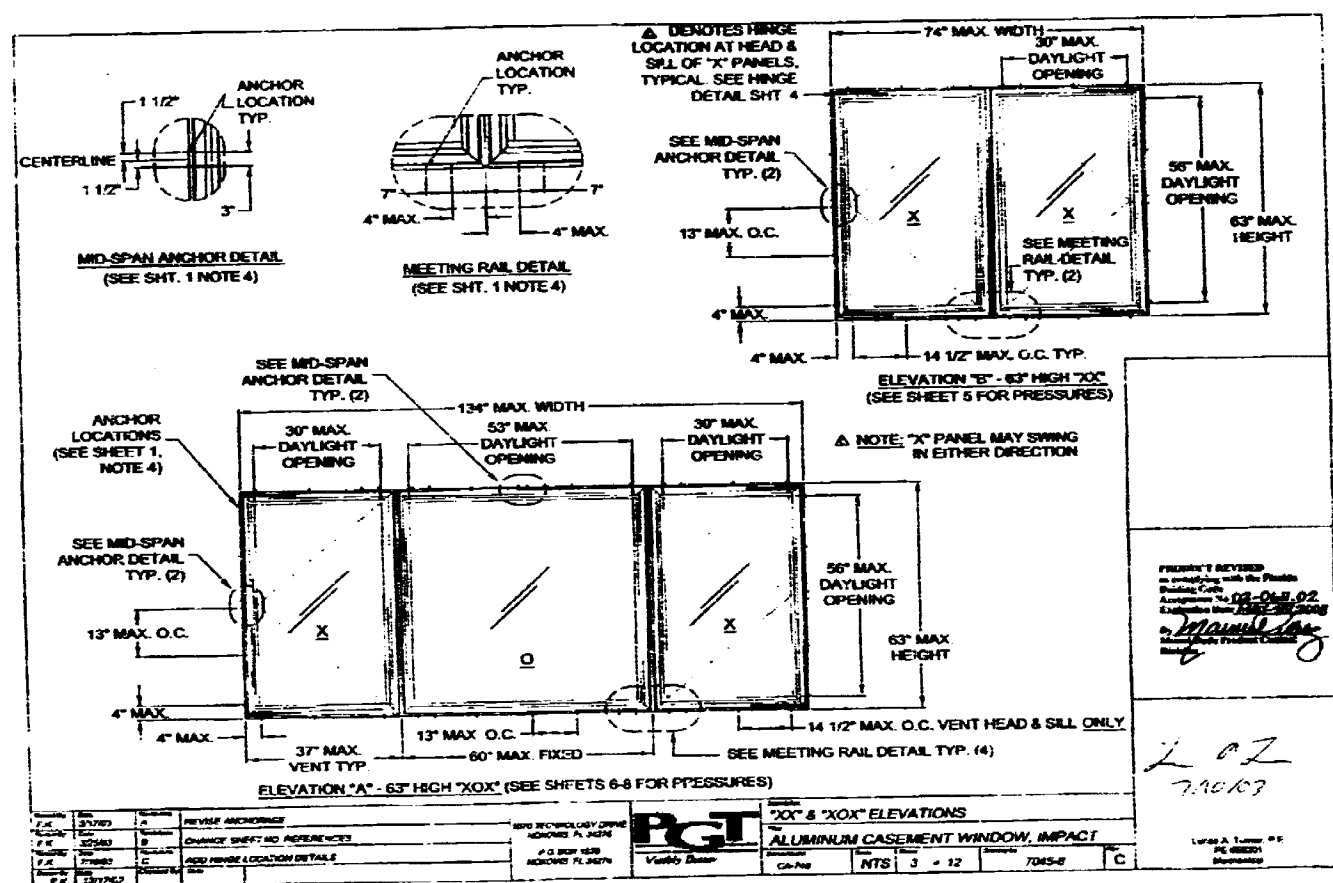
7/16" LAMINATED GLAZING DETAIL

13/16" I.G. GLAZING DETAIL

5/16" LAMINATED COMPONENT 1/8" HEAT STRENGTHENED GLASS
090 SOLUTIA OR DUPONT PVB INNER LAYER
1/8" HEAT STRENGTHENED GLASS
3/8" AIR SPACE
65" NOM. GLASS BITE

PRODUCT REVIEWED
Reviewed by: [Signature]
Date: 03-04-02
Reviewed by: [Signature]
Date: 03-04-02

PGI GLAZING DETAILS
ALUMINUM CASEMENT WINDOW, IMPACT
CA-68 NTS 2 - 12 7045-8 C



[illegible]

COMPANION FORM TABLE 6 (BASED ON 1/4" TAPCONCS ON #14 SCREWS)
CLASING OPTIONS

A - 3/16" LAMB (1067 X 1000 SPFT) B - 1/2" LAMB (1067 X 1000 SPFT) C - 7/8" LAMB (1067 X 1000 SPFT)
E - 1/2" LAMB (1067 X 1000 SPFT) F - 3/4" LAMB (1067 X 1000 SPFT) G - 1" LAMB (1067 X 1000 SPFT)

20,000 31,000 42,000 53,000 64,000 75,000 86,000 97,000 108,000 119,000 130,000 141,000 152,000 163,000 174,000 185,000 196,000 207,000 218,000 229,000 240,000 251,000 262,000 273,000 284,000 295,000 306,000 317,000 328,000 339,000 350,000 361,000 372,000 383,000 394,000 405,000 416,000 427,000 438,000 449,000 460,000 471,000 482,000 493,000 504,000 515,000 526,000 537,000 548,000 559,000 570,000 581,000 592,000 603,000 614,000 625,000 636,000 647,000 658,000 669,000 680,000 691,000 702,000 713,000 724,000 735,000 746,000 757,000 768,000 779,000 790,000 801,000 812,000 823,000 834,000 845,000 856,000 867,000 878,000 889,000 900,000 911,000 922,000 933,000 944,000 955,000 966,000 977,000 988,000 999,000

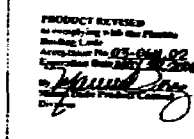
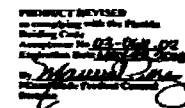
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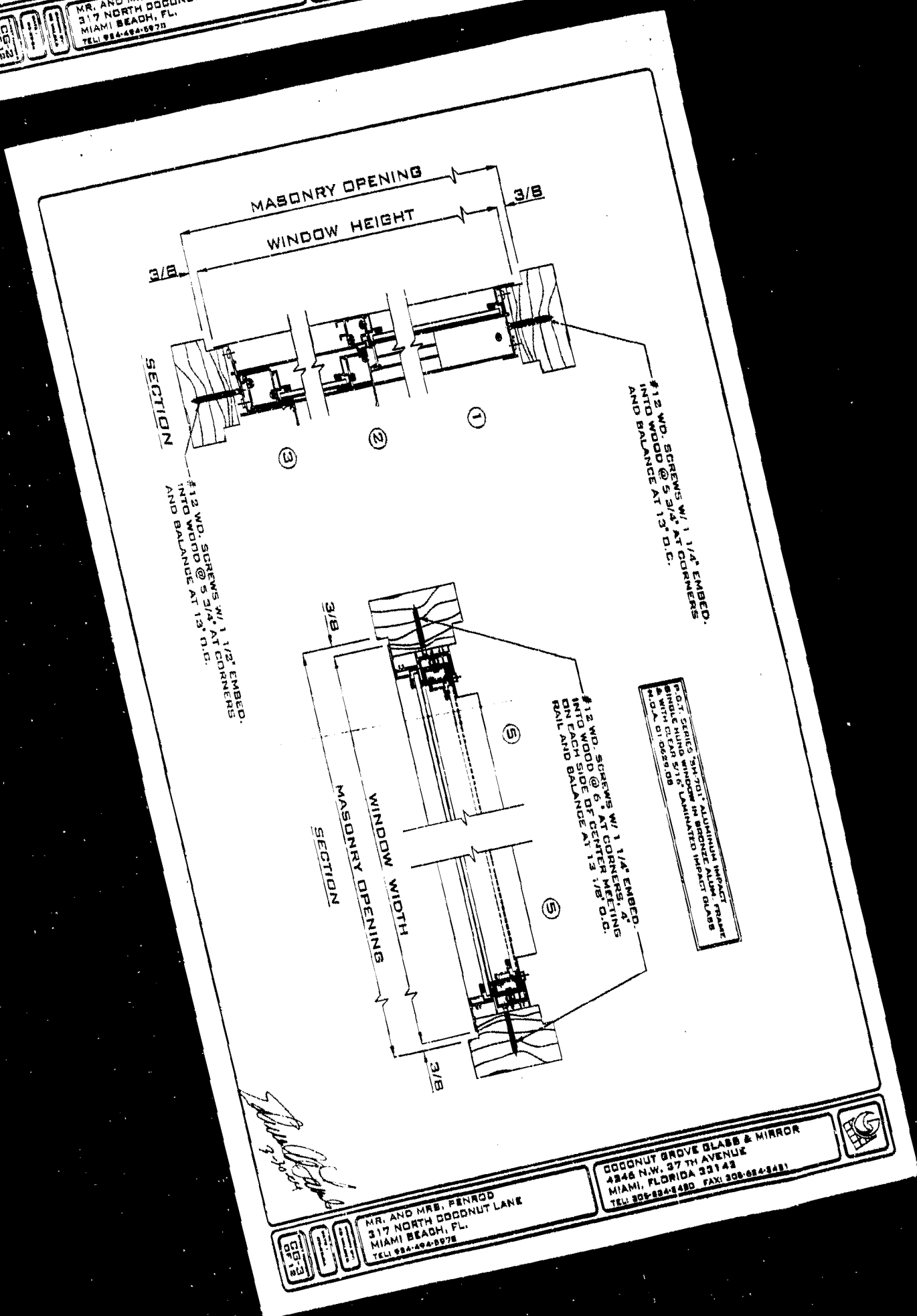
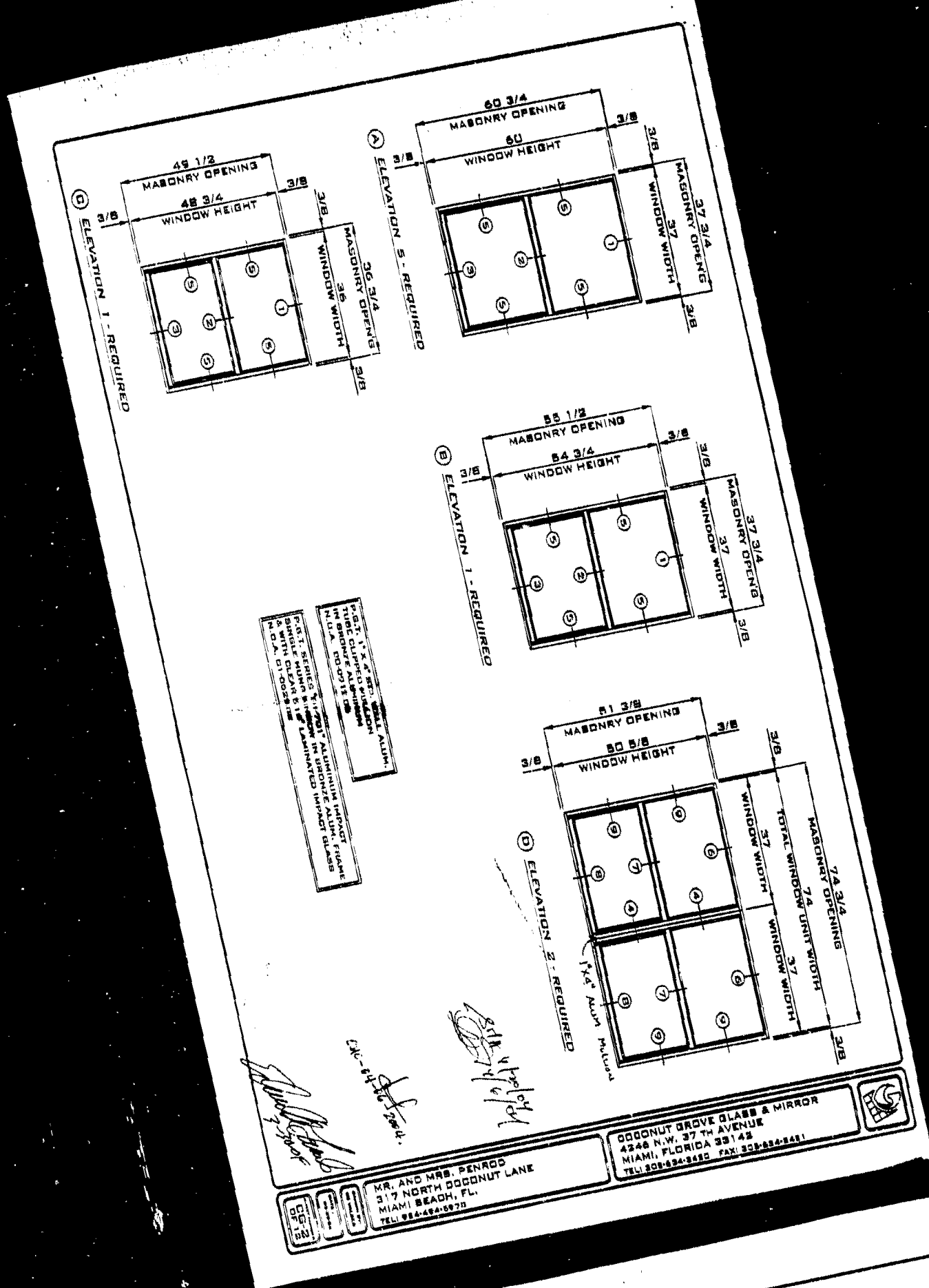
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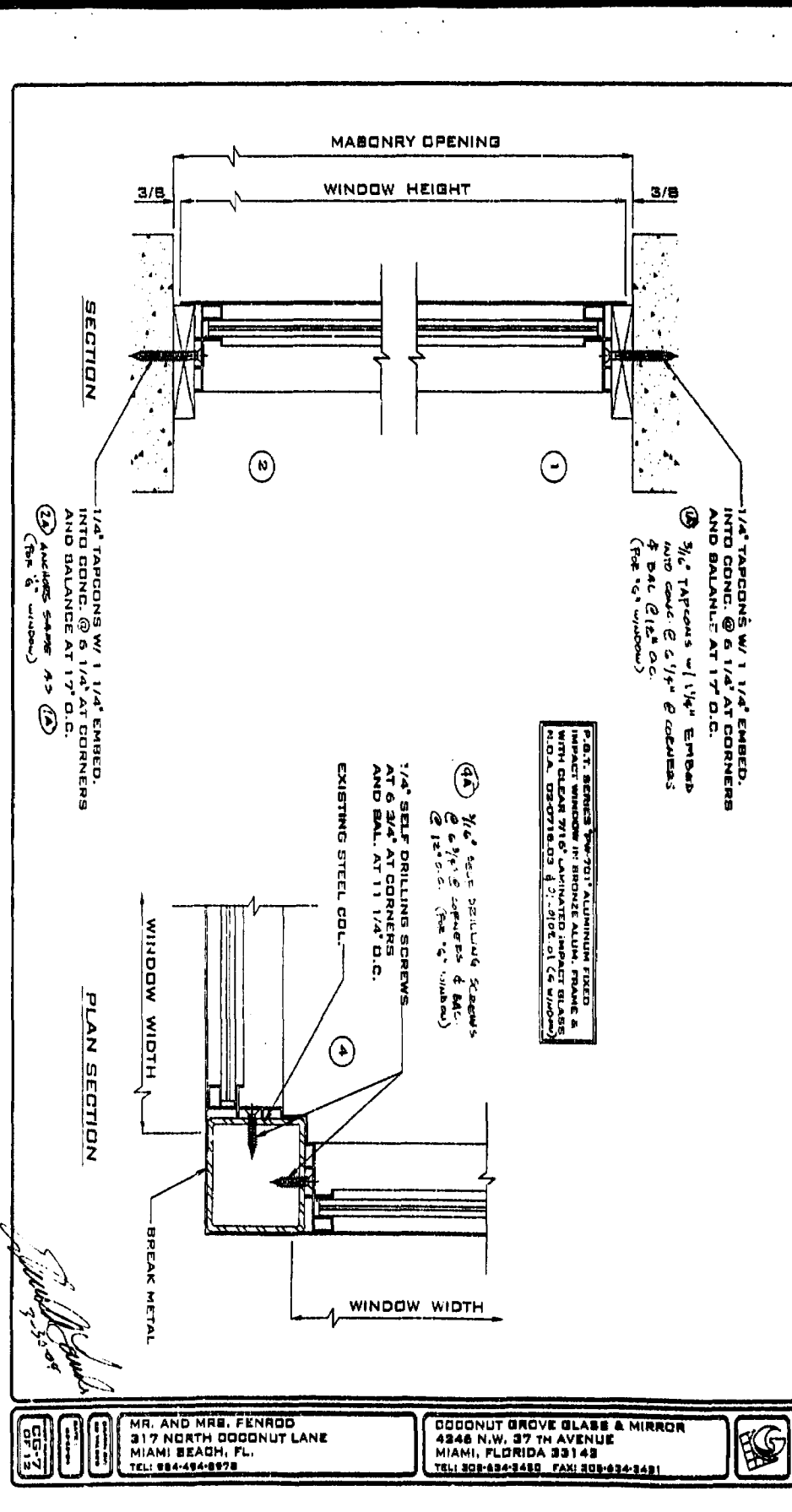
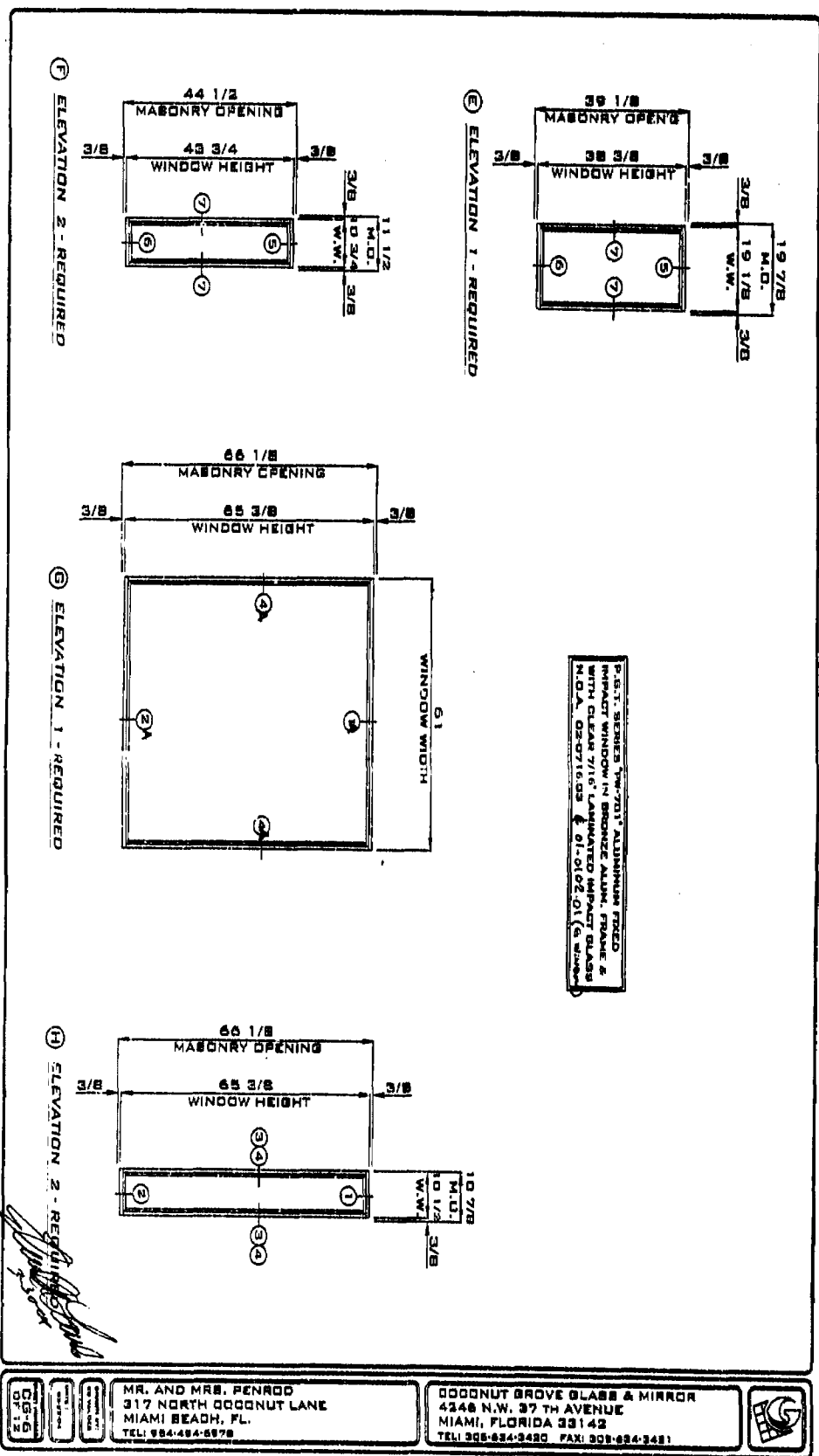
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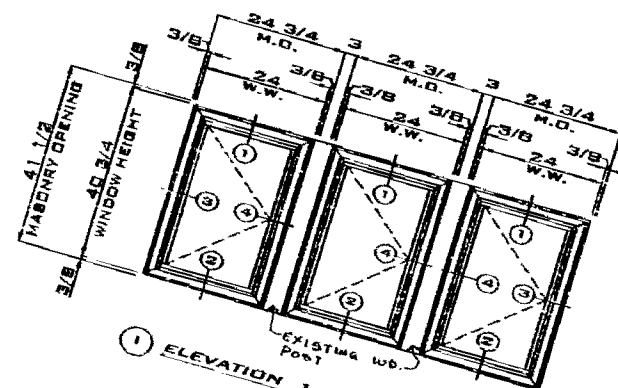
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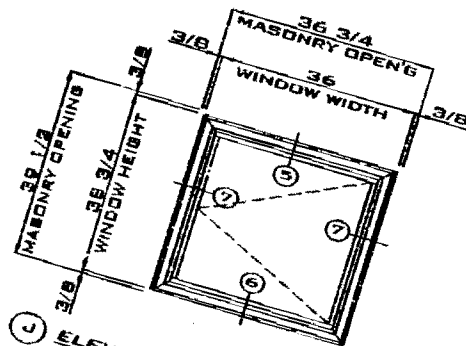








1 ELEVATION 1 - REQUIRED



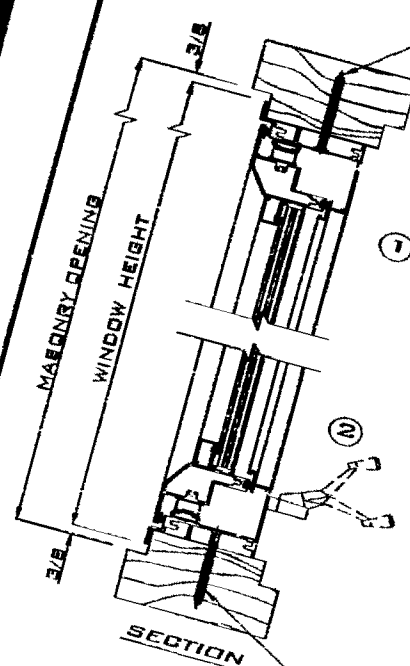
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P.R.T. SERIES "C-740" ALUMINUM IMPACT
CASEMENT WINDOW IN BRONZE FRAME AND
WITH CLEAR 5/16" LAMINATED IMPACT GLASS
N.O.A. 03-0611.02

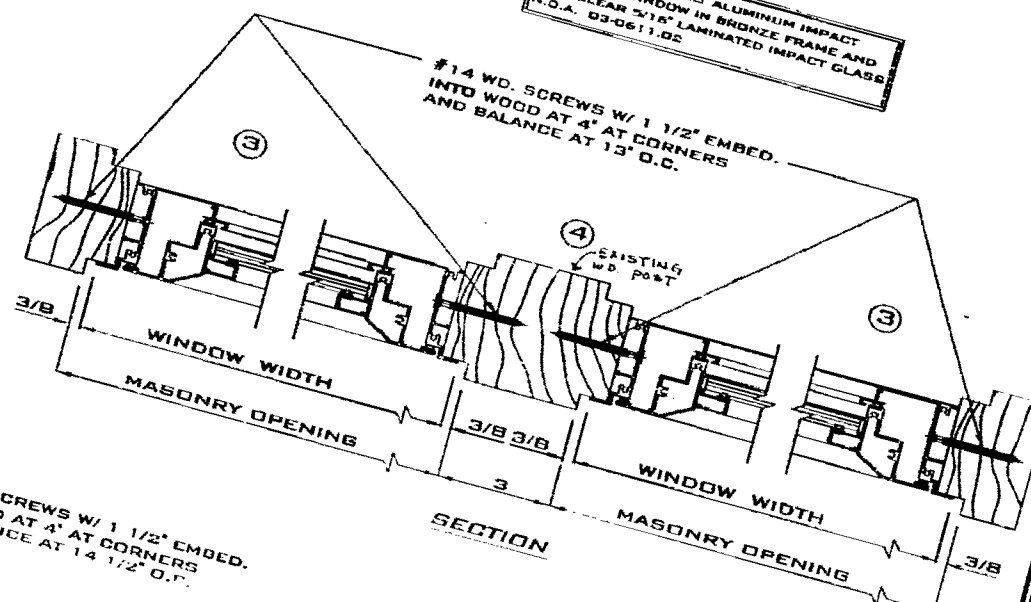
EXISTING W.D.
PORT

MR. AND MRS. PERIOD
317 NORT. OCEAN BLVD.
MIAMI BEACH, FL.
TEL. 854-541-1275

Handwritten signature
7-30-04



#14 WD. SCREWS W/ 1 1/2" EMBED.
INTO WOOD AT 4" AT CORNERS
AND BALANCE AT 14 1/2" O.C.

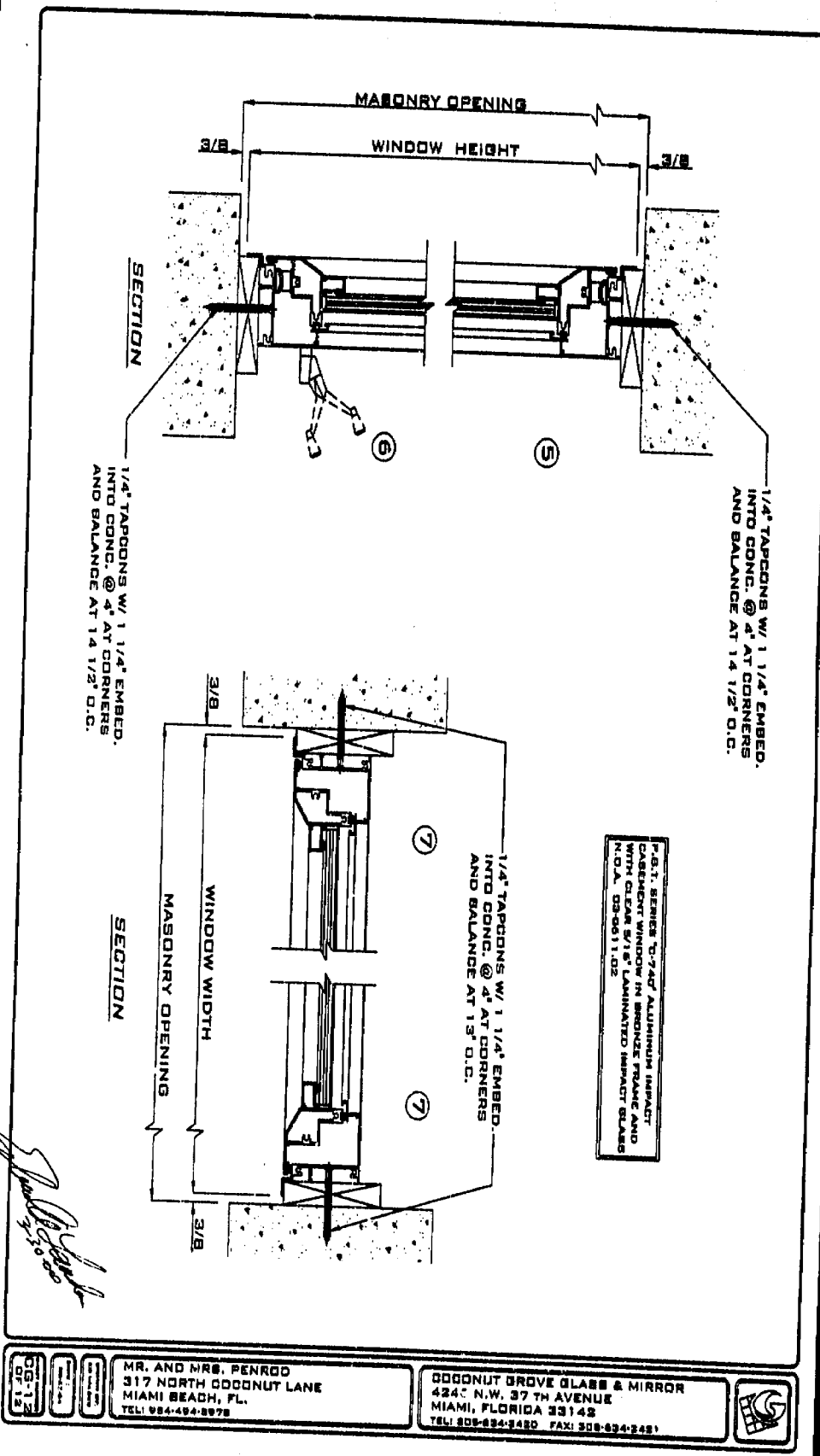


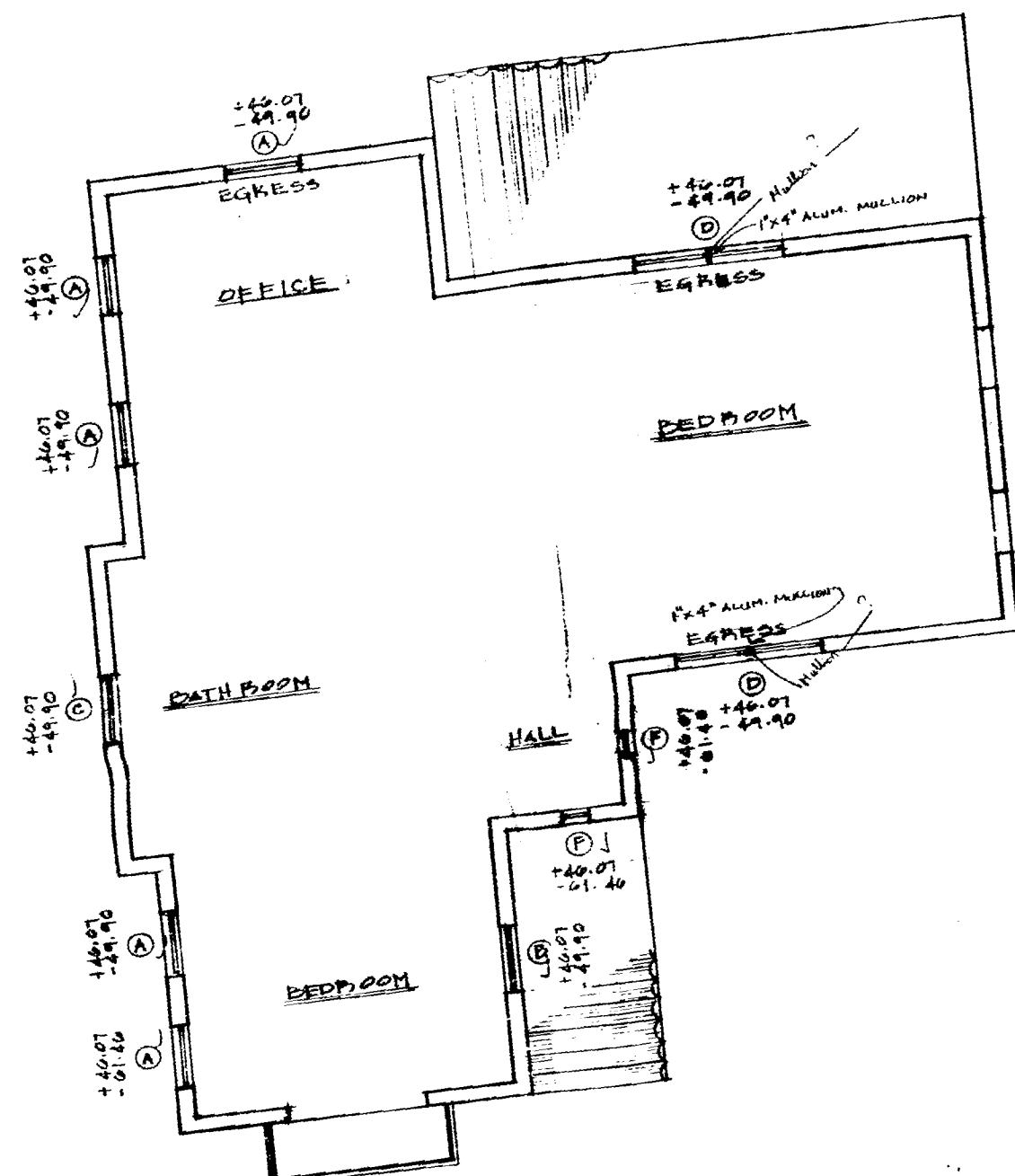
P.R.T. SERIES "C-740" ALUMINUM IMPACT
CASEMENT WINDOW IN BRONZE FRAME AND
WITH CLEAR 5/16" LAMINATED IMPACT GLASS
N.O.A. 03-0611.02

EXISTING
W.D. POST

MR. AND MRS. PERIOD
317 NORT. OCEAN BLVD.
MIAMI BEACH, FL.
TEL. 854-541-1275

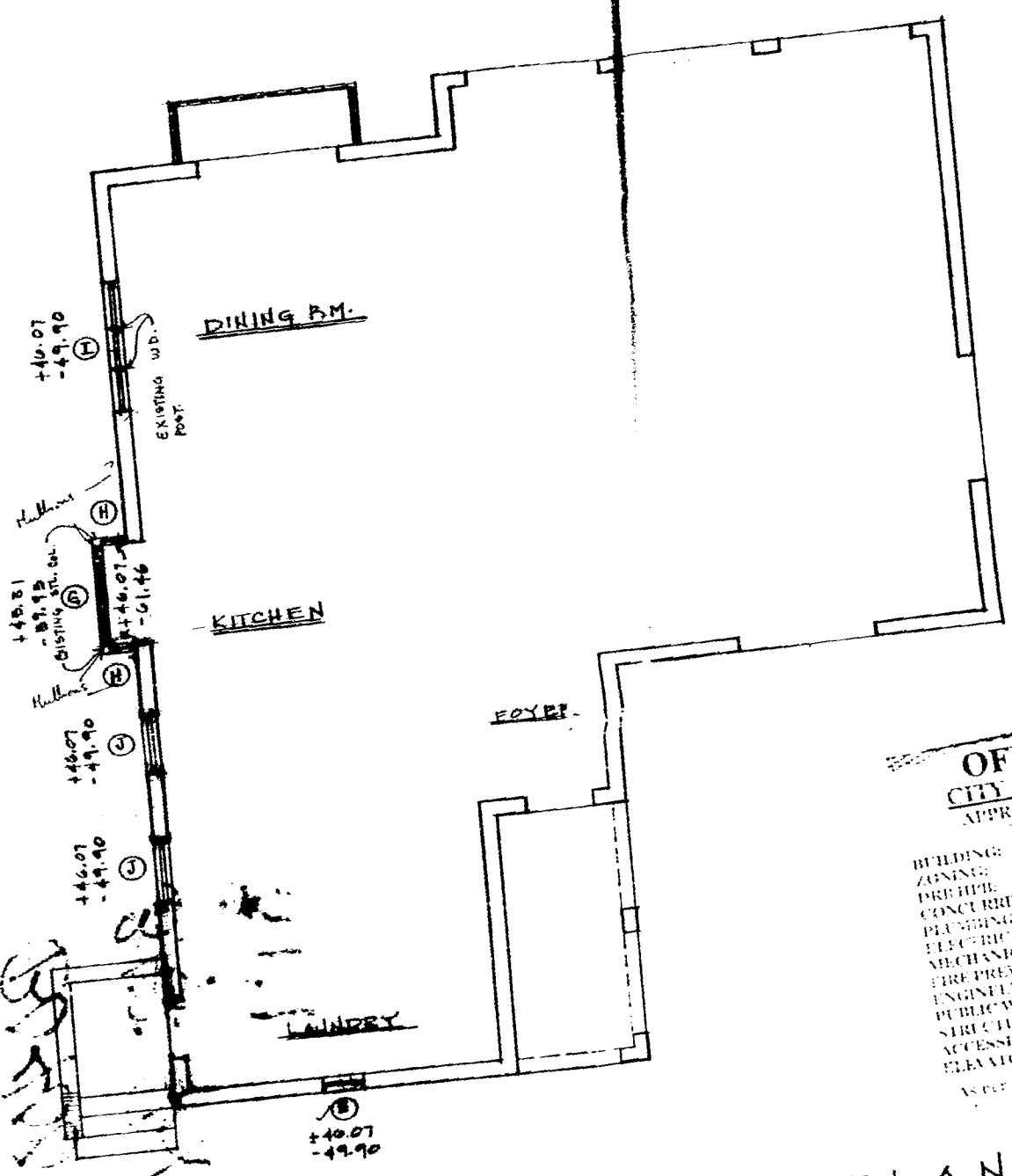
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7-30-04





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

- P&T. SERIES "54-701" ALUMINUM IMPACT SINGLE HING WINDOW IN BRONZE ALUM. FRAME WITH CLEAR 5/8" LAMINATED IMPACT GLASS N.O.A. 01-0027.00
- P&T. SERIES "P4-701" ALUMINUM FIXED IMPACT WINDOW IN BRONZE ALUM. FRAME WITH CLEAR 5/8" LAMINATED IMPACT GLASS N.O.A. 02-0716.00 & 01-0027.01 (P&T 4 WINDOW)
- P&T. SERIES "C-740" ALUMINUM IMPACT CASEMENT WINDOW IN BRONZE FRAME WITH CLEAR 5/8" LAMINATED IMPACT GLASS N.O.A. 03-0011.02
- P&T. 1"x4" STD. RAIL ALUM. TUBE CLIPPED MULLION IN BRONZE ALUMINUM N.O.A. 00-0912.05
- 1A 36"x61" SINGLE HING WINDOW
- 1B 36"x54 3/4" SINGLE HING WINDOW
- 1C 36"x45 3/4" SINGLE HING WINDOW
- 1D 2-37"x50 5/8" SINGLE HING WINDOW
- 1E 19 1/8"x20 5/8" FIXED WINDOW
- 1F 19 3/4"x43 3/4" FIXED WINDOW
- 1G 61"x66 3/8" FIXED WINDOW
- 1H 10 1/2"x65 7/8" FIXED WINDOW
- 1I 2-24"x40 3/4" CASEMENT WINDOW
- 1J 26"x38 3/4" CASEMENT WINDOW



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

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
BUILDING
ZONING
PRELIM.
CONCRETE
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING
PUBLIC WORKS
STRUCTURAL
ACCESSIBILITY
ELEVATOR

PUBLIC WORKS
EXAMINATION NOTICE
Phone 361-7300 Fax 361-7300
THIS PLAN WHEN CONSTITUTES APPROVAL FOR
OBTAINING BUILDING PERMITS ONLY.
All construction shall conform to the right of way and all
other applicable codes and regulations. The City of Miami Beach
will not be responsible for any errors or omissions in this plan.
Date: 04/26/2004

48 HOURS PRIOR TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION OF
UNDERGROUND UTILITIES.
1-800-487-4773
305-261-2000

COCONUT GROVE GLASS & MIRROR
4260 N.W. 37th AVE. MIAMI, FL. 33142
Phone: 361-22-0211
MR. AND MRS. LANE PERIOD
317 N. COCONUT LANE MIAMI BEACH, FL.
IMPACT WINDOW REPLACEMENT CG-100R

B0462754

~~B0462754~~

~~317 Coconut Lane~~

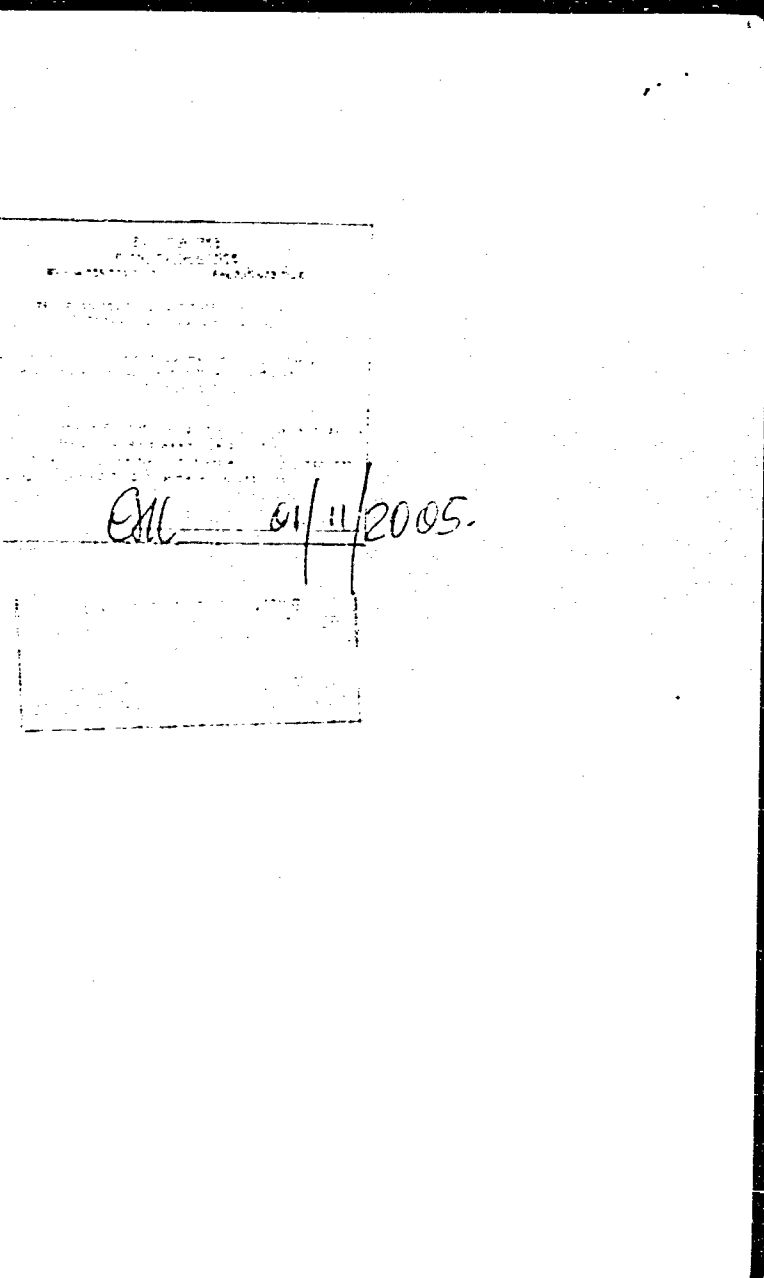
317 Coconut Lane



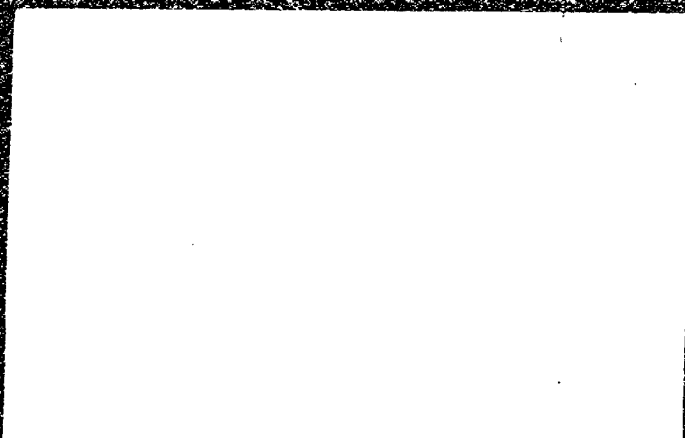
PERMIT #

B0501679

66



BD501679
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 Building/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

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 Enclosure/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
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Lost Plan Fee - SF:		\$0.00
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Lost Plan Fee - Other:		\$0.00
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Overtime Inspection Fees:		\$0.00
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Total of All Fees:		\$116.20
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Total of Payments:		\$116.20
--------------------	--	----------

Balance Due:		\$0.00
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WORK PERMIT APPLICATION

(PLEASE FILL OUT COMPLETELY)

DATE: 6 17 107CODE IN EFFECT: FLORIDA BUILDING CODE

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

B 0704919

LOCATION OF IMPROVEMENTS		CONTRACTOR INFORMATION	
JOB ADDRESS:	<u>317 N. Coconut Lane</u>	LICENSE #:	<u>CC E 981801</u>
FOLIO NUMBER:	<u>02-4205-002-0010</u>	SS #	<u>263-97-1341</u>
LOT:	<u>1</u>	COMPANY:	<u>Ronan Const. Inc.</u>
BLOCK:	<u>2</u>	QUALIFIER:	<u>Roger Ricardo</u>
SUBDIVISION:	<u>Riviera First & Second Additions</u>	ADDRESS:	<u>10260 SW 135 ST</u>
P. B. PAGE:	<u>32 - 37</u>	CITY/STATE/ZIP:	<u>Miami, FL 33176</u>
YEAR BUILT:		PHONE #:	<u>305-235-3154</u>

TYPE OF IMPROVEMENTS			
DESCRIPTION OF WORK: <u>Resurfacing existing concrete driveway with Old Chicago Brick</u>			
VALUE OF WORK: <u>\$7,000.00</u>	NO BLDGS.: _____	NO OF UNITS: _____	NO OF FLOORS: _____
SQUARE FEET: <u>1,700.</u>	LINEAL FEET: _____	POOL GALLONAGE: _____	

<input type="checkbox"/> NEW CONSTRUCTION ON VACANT LAND	<input type="checkbox"/> FOUNDATION ONLY	<input type="checkbox"/> SHELL ONLY	<input type="checkbox"/> SIGNS
<input type="checkbox"/> ALTERATION INTERIOR	<input checked="" type="checkbox"/> REPAIR	<input type="checkbox"/> ADDITION ATTACHED	<input type="checkbox"/> SWIMMING POOL/SPA
<input type="checkbox"/> ALTERATION EXTERIOR	<input type="checkbox"/> REPAIR DUE TO FIRE	<input type="checkbox"/> ADDITION DETACHED	<input type="checkbox"/> HURRICANE SHUTTERS
<input type="checkbox"/> STRUCTURE RELOCATION	<input type="checkbox"/> DEMOLISH	<input type="checkbox"/> AWNING/CANOPIES	<input type="checkbox"/> WINDOWS/SLIDING DOORS
		<input type="checkbox"/> FENCING	

ROOFING	
<input type="checkbox"/> (92) LOW SLOPE APPLICATION (GRAVEL, SMOOTH MODIFIED, SINGLE PLY)	SQUARE FEET _____
<input type="checkbox"/> (95) SHINGLES (ASPHALT, FIBERGLASS)	<input type="checkbox"/> SINGLE FAMILY
<input type="checkbox"/> (96) SHINGLES (METAL ROOFS/WOOD SHINGLES & SHAKE)	<input type="checkbox"/> MULTI-FAMILY
<input type="checkbox"/> (0107) TILE ROOF	<input type="checkbox"/> COMMERCIAL
<input type="checkbox"/> LIGHT WEIGHT	

PERMIT TYPE		CHANGE TO EXISTING	
<input checked="" type="checkbox"/> BUILDING	<input type="checkbox"/> MECHANICAL	<input type="checkbox"/> CHANGE CONTRACTOR	<input checked="" type="checkbox"/> PERMIT UPGRADE
<input type="checkbox"/> ELECTRICAL	<input type="checkbox"/> PLUMBING	<input type="checkbox"/> REVISIONS	<input type="checkbox"/> SUPPLEMENTAL
<input type="checkbox"/> FIRE			

OWNER'S INFORMATION		MORTGAGE LENDER'S INFORMATION	
NAME:	<u>Jack Penrod</u>	NAME:	_____
ADDRESS:	<u>317 N. Coconut Lane</u>	ADDRESS:	<u>N/A</u>
CITY/STATE/ZIP:	<u>Miami Beach, FL 33139</u>	CITY/STATE/ZIP:	_____
PHONE NUMBER:	_____	PHONE NUMBER:	_____

ARCHITECT'S INFORMATION		ENGINEER'S INFORMATION	
NAME:	_____	NAME:	_____
ADDRESS:	<u>N/A</u>	ADDRESS:	<u>N/A</u>
CITY/STATE/ZIP:	_____	CITY/STATE/ZIP:	_____
PHONE NUMBER:	_____	PHONE NUMBER:	_____
LICENSE #	_____	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:

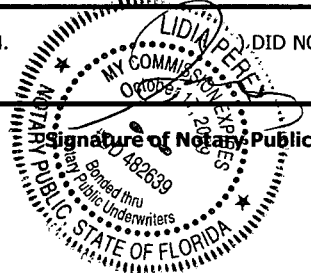
Roger Ricardo

PLEASE PRINT QUALIFIER'S NAME

(☒) Personally Known to me. () Procured Identification:

Type of Identification: _____

() DID TAKE OATH. () DID NOT TAKE OATH



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.

Jack Penrod
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

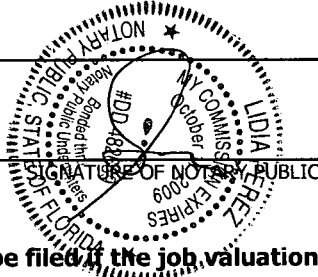
☒ Personally Known to me.

☐ Produced Identification

Type of Identification: _____

☐ DID TAKE OATH

☐ DID NOT TAKE OATH



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



N

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:

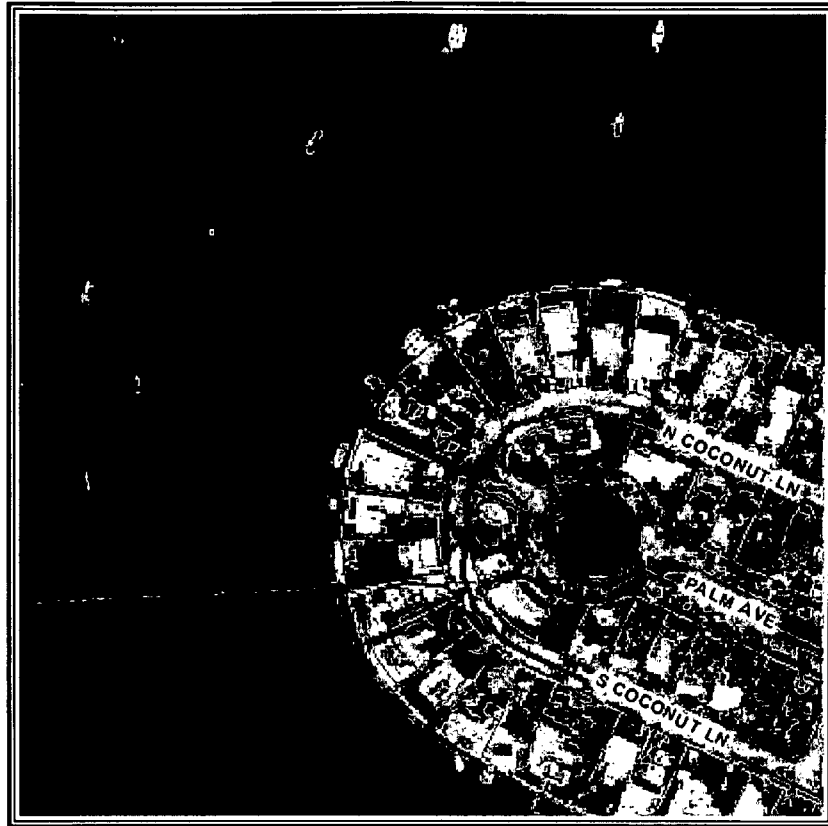
Primary Zone:	0100 SINGLE FAMILY RESIDENCE
CLUC:	0001 RESIDENTIAL- SINGLE FAMILY
Beds/Baths:	4/3
Floors:	1
Living Units:	2
Adj Sq Footage:	2,751
Lot Size:	7,924 SQ FT
Year Built:	1925
Legal Description:	RIVIERA 1ST & 2ND ADDN AMD PB 32-37 LOT 1 BLK 2 A LOT SIZE 7924 SQ FT OR 20948-3342 12 2002 4

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
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RONAN CONST.:INC.

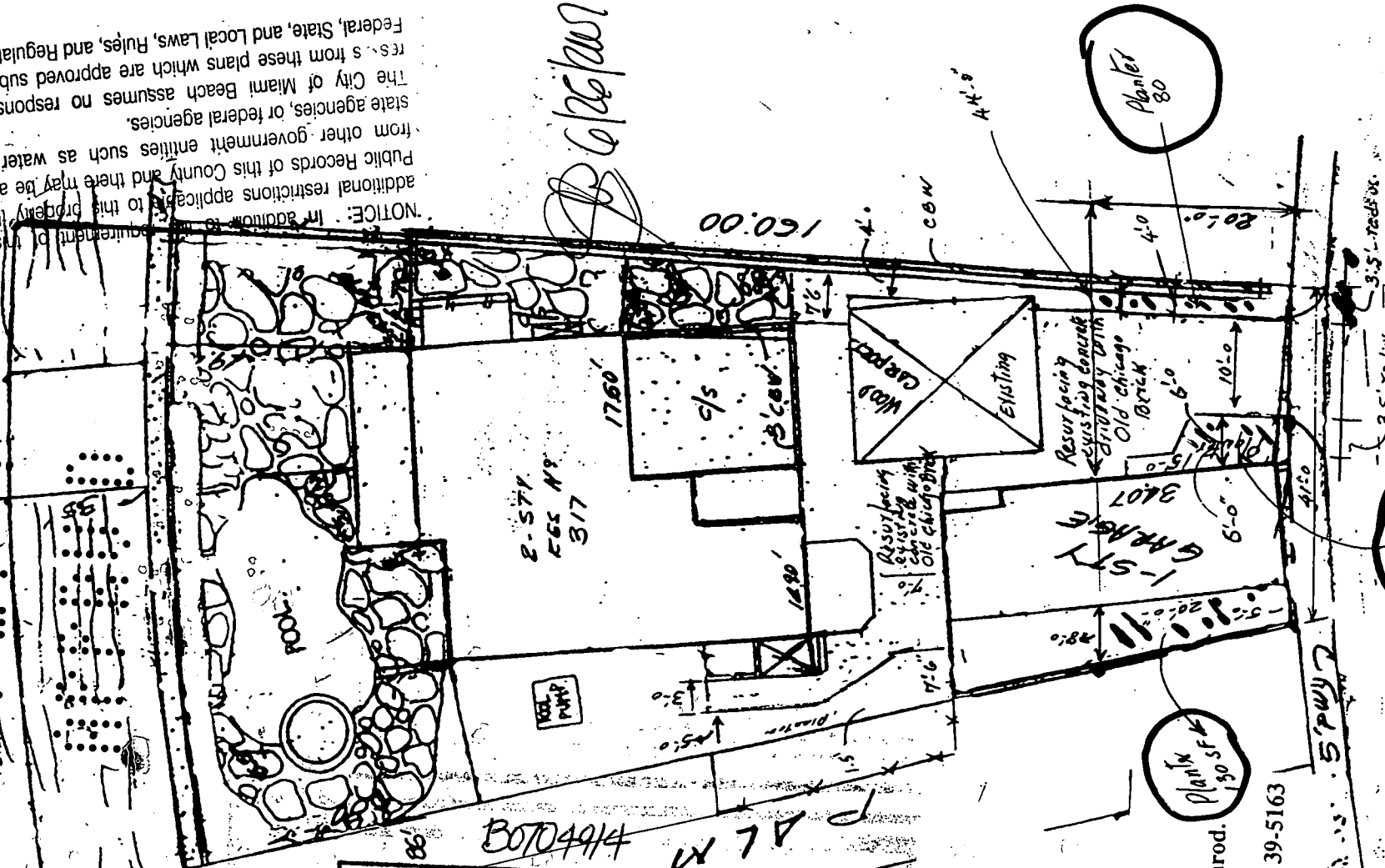
10260 SW 135th St. Miami, FL 33176: CC# E981801

Contact Name: Roger, Ricardo
Phone Number: 305-962-1739

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

Ph# 305-232-4051

Scale: 1" = 20'



City of Miami Beach Building Department Shutter Permit OFFICE COPY

Review Type	Initials	Date
Building	06/26/07	98
Zoning		

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

Planter 80 sq ft

Front 850 SF total
Landscaping 300 SF = 35%

PUBLIC WORKS ENC 06-28-2007

PUBLIC WORKS
PLAN REVIEW NOTICE

Phone 305-673-7080

Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR
OBTAINING BUILDING PERMITS ONLY.

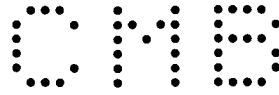
All construction and/or use of equipment in the right-of-way and/or
easements, requires a separate Public Works Department permit prior
to start of construction.

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:

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**



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 IMBEDDED 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.)

04.08.11

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, Block 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 or less to the Point of Beginning.

0183

5582 N.W. 7th STREET, SUITE 202
MIAMI, FLORIDA 33128
TELEPHONE: (305) 220-3171
FAX: (305) 554-7822

DRAWN BY:

Notia Surveyors Inc.
LAND SURVEYORS

SURVEY No. 98-0006649

SHEET NO. 1 OF 3

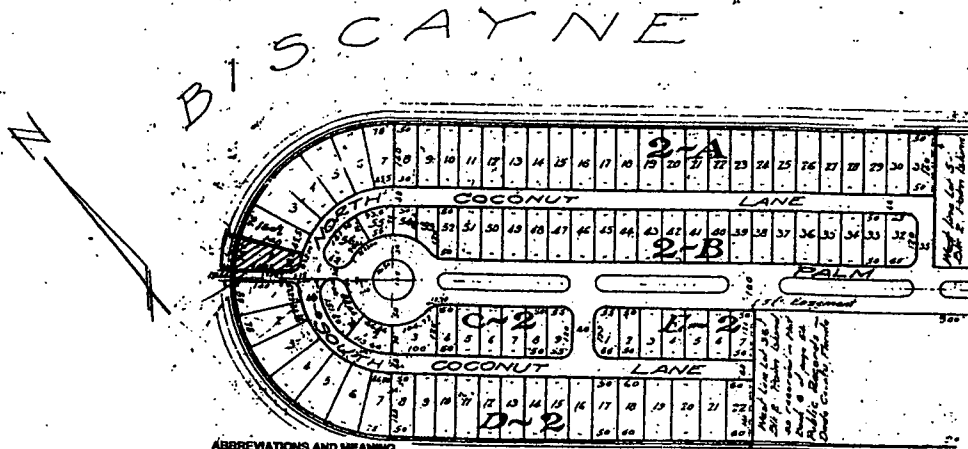
SEE LEGAL DESCRIPTION ON PAGE 3 OF 3

Property Address: 317 N COCONUT LANE, MIAMI BEACH, FL 33139
For: JACK V. PENROD

Date: 09/11/1998

LOCATION SKETCH

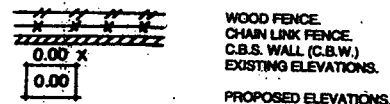
Scale 1" = N.T.S.



ABBREVIATIONS AND MEANING

- | | | |
|---|---|--|
| <p>A = ARC.
A/C = AIR CONDITIONER PAD.
A.E. = ANCHOR EASEMENT.
A/R = ALUMINUM ROOF.
A/S = ALUMINUM SHED.
ASPH. = ASPHALT.
B.C. = BLOCK CORNER.
B.D.G. = BUILDING.
B.M. = BENCH MARK.
B.O.B. = BASIS OF BEARINGS.
C. = CALCULATED.
C.B. = CATCH BASIN.
C.B.S. = CONCRETE BLOCK STRUCTURE.
CBW = CONCRETE BLOCK WALL.
CH. = CHORD DISTANCE.
CH.B. = CHORD BEARING.
CL. = CLEAR.
C.L.F. = CHAIN LINK FENCE.
C.M.E. = CANAL MAINTENANCE EASEMENT.
CONC. = CONCRETE.
C.P. = CONC. PORCH.
C.S. = CONCRETE SLAB.
D.E. = DRAINAGE EASEMENT.
D.M.E. = DRAINAGE MAINTENANCE EASEMENT.
DRIVE = DRIVEWAY.
D = DEGREES.
E = EAST.
E.T.P. = ELECTRIC TRANSFORMER PAD.
ELEV. = ELEVATION.
ENCR. = ENCROACHMENT.
F.H. = FIRE HYDRANT.
F.I.P. = FOUND IRON PIPE.
F.I.R. = FOUND IRON ROD.
F.F.E. = FINISHED FLOOR ELEVATION.</p> | <p>F.N.D. = FOUND NAIL & DISK.
FR. = FRAME.
FT. = FEET.
F.N.P. = FEDERAL NATIONAL INSURANCE PROGRAM.
F.N. = FOUND NAIL.
H. = HIGH (HEIGHT).
IN. & EG. = INGRESS AND EGRESS EASEMENT.
L.P. = LIGHT POLE.
L.F.E. = LOWEST FLOOR ELEVATION.
L.M.E. = LAKE MAINTENANCE EASEMENT.
M. = MINUTES.
M.D. = MEASURED DISTANCE.
MON. = MONUMENT.
M.H. = MANHOLE.
M.W. = MONUMENT LINE.
N.A.P. = NOT A PART OF.
NGVD = NATIONAL GEODETIC VERTICAL DATUM.
N. = NORTH.
N.T.S. = NOT TO SCALE.
= NO. = NUMBER.
O.S. = OFFSET.
OH. = OVERHEAD.
O.U.L. = OVERHEAD UTILITY LINES.
O.V. = OVERHANG.
O.R.B. = OFFICIAL RECORD BOOK.
P.V.M.T. = PAVEMENT.
PL. = PLANTER.
P.L. = PROPERTY LINE.
P.C.C. = POINT OF COMPOUND CURVE.
P.C. = POINT OF CURVE.
P.T. = POINT OF TANGENCY.
P.O.C. = POINT OF COMMENCEMENT.
P.O.B. = POINT OF BEGINNING.</p> | <p>P.R.C. = POINT OF REVERSE CURVE.
PROP. COR. = PROPERTY CORNER.
P.B. = PLAT BOOK.
P.G. = PAGE.
P.W. = PARKWAY.
PRM = PERMANENT REFERENCE MONUMENT.
P.L.S. = PROFESSIONAL LAND SURVEYOR.
R. = RECORDED DISTANCE.
RR. = RAILROAD.
RES. = RESERVE.
R.W. = RIGHT-OF-WAY.
RAD. = RADIUS OR RADIAL.
R.P. = RADIUS POINT.
RGE. = RANGE.
SEC. = SECTION.
STY. = STORY.
SWK. = SIDEWALK.
S.I.P. = SET IRON PIPE L.S. #8044.
S. = SOUTH.
S.N.D. = SET NAIL & DISK L.S. #8044.
SP. = SCREENED PORCH.
" = SECONDS.
T. = TANGENT.
TWP. = TOWNSHIP.
U.E. = UTILITY EASEMENT.
UTIL. = UTILITY.
U.P. = UTILITY POLE.
W.M. = WATER METER.
W.F. = WOOD FENCE.
W.S. = WOOD SHED.
Δ = CENTRAL ANGLE.
W. = WEST.
C. = CENTER LINE.
∠ = ANGLE.</p> |
|---|---|--|

LEGEND TYPICAL



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 NATHAN BEACH.

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.

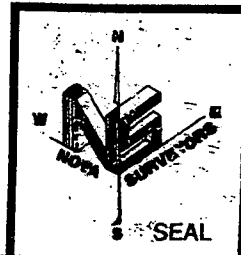
I HEREBY CERTIFY THAT THIS "BOUNDARY SURVEY" OF THE PROPERTY DESCRIBED HEREON, AS RECENTLY SURVEYED AND DRAWN UNDER MY SUPERVISION, COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 81G17-6, FLORIDA ADMINISTRATIVE CODE PURSUANT TO 472.027, FLORIDA STATUTES.

BY: George Barra
GEORGE BARRA (DATE OF FIELD WORK) 7/14/98
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 02/13/04 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 PLAT 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 HAS 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**



6802 N.W. 11TH STREET, SUITE 202
MIAMI, FLORIDA 33150
TELEPHONE (305) 534-7171
FAX (305) 534-7122

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, Block 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 or less to the Point of Beginning.

ONE

2002 N.W. 7th STREET, SUITE 202
MIAMI, FLORIDA 33135
TELEPHONE: (305) 224-1171
FAX: (305) 554-7253

DRAWN BY:

Nova Surveyors Inc.
LAND SURVEYORS

SURVEY No. 98-0006649

SHEET NO. 1 OF 3

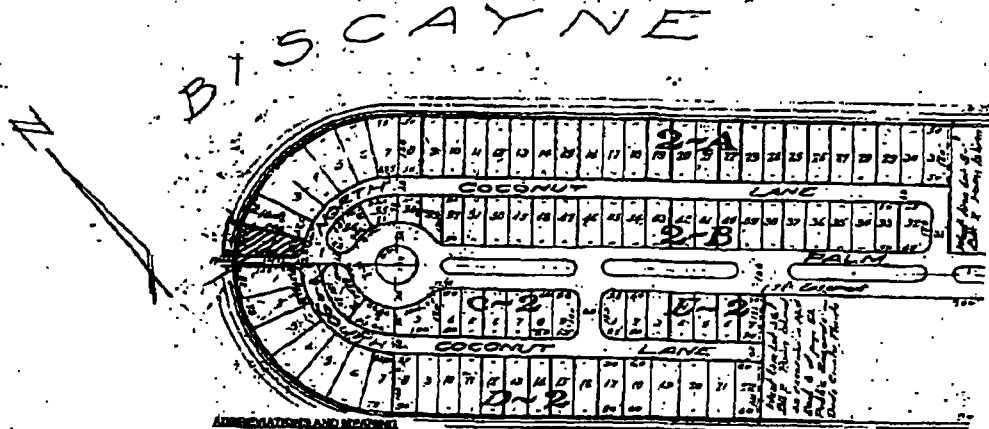
SEE LEGAL DESCRIPTION ON PAGE 3 OF 3

Property Address: 317 N COCONUT LANE, MIAMI BEACH, FL 33139
For: JACK V. PERROD

Date: 09/11/1998

LOCATION SKETCH

Scale 1" = N.T.S.

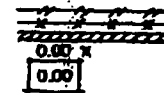


A - ARC
AFC - AIR CONDITIONER PAD
A.E. - ANCHOR EASEMENT
AR - ALUMINUM ROOF
AS - ALUMINUM SHED
ASPH - ASPHALT
B.C. - BLOCK CORNER
BLDG. - BUILDING
B.M. - BENCH MARK
B.O.B. - BASIS OF BEARINGS
C - CALCULATED
C.B. - CATCH BASIN
C.B.S. - CONCRETE BLOCK STRUCTURE
CBW - CONCRETE BLOCK WALL
CH. - CHORD DISTANCE
CH. B. - CHORD BEARING
CL - CLEAR
CL.F. - CHAIN LINK FENCE
C.M.E. - CANAL MAINTENANCE EASEMENT
CONC. - CONCRETE
C.P. - CONC. PORCH
C.S. - CONCRETE SLAB
D.E. - DRAINAGE EASEMENT
D.M.E. - DRAINAGE MAINTENANCE EASEMENT
DRIVE - DRIVEWAY
E - EAST
E.T.P. - ELECTRIC TRANSFORMER PAD
ELEV. - ELEVATION
ENCR. - ENCROACHMENT
F.H. - FIRE HYDRANT
F.P. - FOUND FROM PIPE
F.R. - FOUND FROM ROAD
F.F.E. - FINISHED FLOOR ELEVATION

F.N.D. - FOUND NAIL & DISK
FR. - FRAME
FT. - FEET
FED. - FEDERAL NATIONAL INSURANCE PROGRAM
F.N. - FOUND NAIL
H. & E.D. - HIGHER AND EXPRESS EASEMENT
L.P. - LIGHT POLE
L.F.E. - LOWEST FLOOR ELEVATION
L.M.E. - LAKE MAINTENANCE EASEMENT
M. - MINUTES
M. - MEASURED DISTANCE
MON. - MONUMENT
M.H. - MANHOLE
M.L. - MOUND/LINE
M.A.P. - MEET A PART OF
M.O.V. - NATIONAL BOUNDARY VERTICAL DATUM
N - NORTH
N.T.S. - NOT TO SCALE
P - NO. - NUMBER
O.S. - OFFSET
O.H. - OVERHEAD
O.H.L. - OVERHEAD UTILITY LINES
O.H.R. - OVERHEAD
O.B.R. - OFFICIAL RECORD BOOK
P.M.T. - PAVEMENT
PL. - PLANTER
P.L. - PROPERTY LINE
P.C.D. - POINT OF COMPOUND CURVE
P.C. - POINT OF CURVE
P.T. - POINT OF TANGENCY
P.O.C. - POINT OF COMMENCEMENT
P.O.B. - POINT OF BEGINNING

P.R.C. - POINT OF REVERSE CURVE
PROP. COR. - PROPERTY CORNER
P.B. - PLATBOOK
P.D. - PAGE
P.W. - PARKWAY
P.R.M. - PERMANENT REFERENCE MONUMENT
P.L.S. - PROFESSIONAL LAND SURVEYOR
P. - RECORD DISTANCE
P.R. - PLATBOOK
RES. - RESIDENCE
R.W. - RIGHT-OF-WAY
R.D. - RADIAL OR RADIAL
R.P. - RADIAL POINT
R.O.E. - RANGE
SEC. - SECTION
STY. - STORY
SWK. - SIDEWALK
S.L.P. - SET FROM PIPE L.B. FROM
S. - SOUTH
S.O.D. - SET NAIL & DISK L.B. FROM
S.P. - SCHEDULED POINT
S. - SECOND
T. - TANGENT
T.W. - TOWNSHIP
U.E. - UTILITY EASEMENT
U.T. - UTILITY
U.P. - UTILITY POLE
W.A. - WATER METER
W.F. - WATER FENCE
W.S. - WOOD SHED
W. - WEST
C. - CENTER LINE
A. - ANGLE

LEGEND TYPICAL



WOOD FENCE
CHAIN LINK FENCE
C.B.S. WALL (C.B.V.)
EXISTING ELEVATIONS
PROPOSED ELEVATIONS

ADDITIONAL NOTES: 1. IF SHOWN BEARINGS ARE REFERRED TO AN ASSUMED MERIDIAN, BY THE DESCRIPTION OF THE PROPERTY, IF NOT, THEN BEARINGS ARE REFERRED TO COUNTY TOWNSHIP MAPS.

2. IF SHOWN, ELEVATIONS ARE REFERRED TO 1988 B.S.M.

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 17500 FT. I HEREBY CERTIFY THAT THIS "BOUNDARY SURVEY" OF THE PROPERTY DESCRIBED HEREON, AS RECENTLY SURVEYED AND DRAWN UNDER MY SUPERVISOR, COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 47S17-6, FLORIDA ADMINISTRATIVE CODE PURSUANT TO 47S27, FLORIDA STATUTES.

BY: *George Barra*
GEORGE BARRA (DATE OF FIELD WORK) 9/11/98
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 05/14/04 UP.MAC

REVISED ON

LEGAL NOTES TO ACCOMPANY SKETCH OF SURVEY (SURVEY):
EXAMINATION OF THE ABSTRACT OF TITLE WILL HAVE TO BE MADE TO DETERMINE RECORDS, INSTRUMENTS, IF ANY, AFFECTING THE PROPERTY. THIS SURVEY IS SUBJECT TO RECORDS, LIMITATIONS, RESTRICTIONS, RESERVATIONS OR EASEMENTS OF RECORD. LEGAL DESCRIPTIONS, PROVIDED BY CLIENT OR ATTESTING TITLE COMPANY.
BOUNDARY SURVEY: A DRAINAGE AND/OR A GRADED REPRESENTATION OF THE SURVEY WORK, PERFORMED IN THE FIELD, COULD BE DRAWN AT A KNOWN SCALE AND/OR NOT TO SCALE.
THE TOWN OF MIAMI HAS A DRAINAGE AND/OR A GRADED REPRESENTATION OF THE SURVEY WORK, PERFORMED IN THE FIELD, COULD BE DRAWN AT A KNOWN SCALE AND/OR NOT TO SCALE.
EASEMENTS AS SHOWN ARE PER PLAT BOOK, UNLESS OTHERWISE SHOWN.
THE TOWN OF MIAMI HAS A DRAINAGE AND/OR A GRADED REPRESENTATION OF THE SURVEY WORK, PERFORMED IN THE FIELD, COULD BE DRAWN AT A KNOWN SCALE AND/OR NOT TO SCALE.
ARCHITECTS SHALL VERIFY ZONING REGULATIONS, RESTRICTIONS AND SETBACKS AND THEY WILL BE RESPONSIBLE FOR SUBMITTING 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 ENTITLED NAMED HEREON. THE CERTIFICATE DOES NOT EXTEND TO ANY UNPAID PARTY.
THE 100' FLOOD MAPS HAVE DESIGNATED THE PROPERTY DESCRIBED LAND TO BE

Situated in Zone: AB Community/Panel/Suffix: 120651-0183-J
Date of Firm: 03/02/1994 Base Flood Elevation: 9 FT
Certified to: JACK V PERROD AND LUCIA REDRISO PERROD



CMB

photo.JPG



Image 1 of 1

Close

~~NO SIDEWALK~~
SIDEWALK

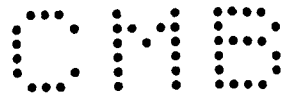
CMB

photo.JPG



Close

Public works
~~NO DRIVE WAY~~
SIDEWALK



What's New photo.jpg buttons for_email miami for_email Message

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Attention ~~Public Works~~! Public works!

CMB

04.08.11



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**

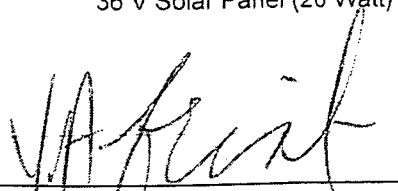
Name & Address of Manufacturer: Eagle Access Control Systems, Inc.
13745 Saticoy Street
Van Nuys, CA 91402

Identification of Property: Solar Electric Property

Make & Model Numbers of Qualified Property

MODEL NUMBER	DESCRIPTION	MODEL NUMBER	DESCRIPTION
Eagle-E7	24 VDC Swing Gate Operator	EG510	36 V Solar Panel (10 Watt)
Eagle-E7 SHORT	24 VDC Swing Gate Operator	EG515	36 V Solar Panel (15 Watt)
Eagle-100-DC	24 VDC Swing Gate Operator	EG520	36 V Solar Panel (20 Watt)
Eagle-200-DC	24 VDC Swing Gate Operator		
Eagle-1000-DC	24 VDC Slide Gate Operator		
Eagle-2000-DC	24 VDC Slide Gate Operator		

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 Affiat
President & CEO

810

11:00:00

B1102586

317 N Colanthe
Office Copy

OFFICE COPY
CITY OF LEAMING
APPROVED FOR FILING BY
THE FOLLOWING:

DURING:
ZONING:
PLANNING:
CONSERVATION:
ENVIRONMENTAL:
ELECTRICAL:
FIRE DEPARTMENT:
PUBLIC WORKS:
INVESTIGATION:
POLICE:

[Signature] 4/11/11

[Signature] 4/11/11

B. Dwyer 4/11/11
Av 4/11/11

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

[illegible]