

Owner G. A. GREEN Mailing Address Permit No. 15984 Cost \$ 25,600.
 Lot 1 Block 2 Subdivision SUNSET LAKE Address 2581 Lake Avenue
 General Contractor B.E. MEYERS Ext 10,077 Bond No. 2757 3227-10-007
 Architect Alexander Lewis Engineer R.A. Belsham
 Zoning Regulations: Use RD Area 7 Lot Size irregular
 Building Size: Front 82' Depth 79' Height 27' Stories 2
 Certificate of Occupancy No. Use Residence- 10 rms & 2 car garage
 Type of Construction c-b-s- Foundation Concrete Piling Roof Tile attached Date Mar. 13-1941

Plumbing Contractor J.B. Forbes # 15163

Sewer Connection 1 (septic) Date 4/1/1941

Temporary Closet 1

Plumbing Contractor

Laundry trays 1 Date

Water Closets 6

Bath Tubs 4

Floor Drains

Lavatories 5

Showers 2

Grease Traps

Urinals

Sinks 1

Drinking Fountains

Gas Stoves

Gas Heaters

Rough Approved Date

#15630 - J.B. Forbes

Gas Radiators 12, 7/24/41

Gas Turn On Approved

Septic Tank Contractor # 15147- Pittard Septic Tank

Tank Size 900 gals Date 3-25-1941

1- Oil Burner Contractor Gibbs Oil Co. # 15460

Tank Size - 275 gals Date 6/12/1941

Sprinkler System

Electrical Contractor East Coast Electric Co. # 17034

Address Date Apr. 15-1941

Switch 43

Range 1 Motors 5

Fans 1 Temporary Service

OUTLETS Light 46

HEATERS Water

Receptacles 54

Space

Centers of Distribution 5

Refrigerators 1

Bell transformer 1

Irons 1

Sign Outlets

No. FIXTURES

Electrical Contractor

Date

FINAL APPROVED BY

Date of Service

Alterations or Repairs—Over Government permit SAKGW 3 800.81

23229-- Timber wharf and 5 single mooring piles 10' x 15' G.O. Reed \$ 800: Oct. 1, 1946

ALTERATIONS & ADDITIONS

Building Permits: # 36837 2nd story addition - frame 2 x 6 studs - 21' x 30' x 14' - 2 story, Alex. Lewis arch: R.A. Belaham, engr: Star Constr. Co., contr. \$6,000. Sept. 14, 1951

ADDITION OF ONE ROOM (bedroom and bath) 17' x 20' x 12'..M. S. Weintraub, architect: Bing Construction Company: concrete piling and tile roof: \$1500 Oct. 27, 1954

OK, Fidler 8/30/1956 51215 Lowry Electric Co., Inc: Install 2 - 3/4 ton Units \$400..Aug. 14, 1956 #66058 - Sears Roebuck: install 1 2 HP wall unit air conditioner - \$400 - 10/9/61 #66171 Sears, Roebuck and Co.: 1 - 2 hp window unit air conditioner - \$400. - 10/20/61

#77558 H. N. Henry: For sale sign - \$5.00 - 12/16/66 #88041-Aqua Clear Pool-28,400 gals.-\$4000-5-24-72 #25811 8/29/84 Truly Nolen tent fumigation \$1,209.

Plumbing Permits: # 29169 Superior Septic Tank Co.: relay 175 ft. drain tile - Dec. 13, 1949

#32422 B K Gunn & Son: 1 Water closet, 1 lavatory, 1 shower: Oct. 3, 1951 rough 10-8-51 LR Final OK-L.R. 1/28/52 #36542 Futch & Associates...one water closet, 1 lavatory, 1 shower, 1 laundry tray, 1 laundry washing machine: November 8, 1954 OK, Rothman 2/9/55 #36593 Acme Septic Tank Co....1 600 gallon septic tank...Nov. 22, 1954 OK Rothman 11/24/54

#39092 Stolpman Plmbg: 1 4" Sewer - Feb. 13, 1957

#49162-Aqua Clear Pools - 1 Pool Piping-5-24-72

Electrical Permits: # 35285 Lowry Electric Co.: 4 switch outlets, 9 receptacles, 4 light outlets, 1 center of distribution, 1 air conditioning unit-Oct. 18, 1951 #35322 Lowry Electric: 1 space heater (bath) - Oct. 23, 1951

#36838 Astor Electrical Service: 1 center of distribution, 4 motors-June 23, 1952 OK-Meglin 9/4/52 #41089 Hart Elec: 1 Motor (1 HP): Dec 22, 1953 OK, Flaag, 1/27/54

OK, Flaag 12/9/54

#41886 Astor Electric: 1 center of distribution, 1 motor: May 10, 1954 #43588 Astor Electric: 5 switch outlets, 2 receptacles, 7 light outlets, 7 fixture 1 iron outlet, 1 space heater, 2 appliance outlets, 2 centers of distribution 1 motor...December 7, 1954 OK, Flaag 2/7/1956

OK, Fidler 8/29/1956 46160 Astor Electric Service, Inc: one motor August 3, 1956 #76738 Ocean Electric Co/repair service/11-13-80

ELECTRICAL PERMITS

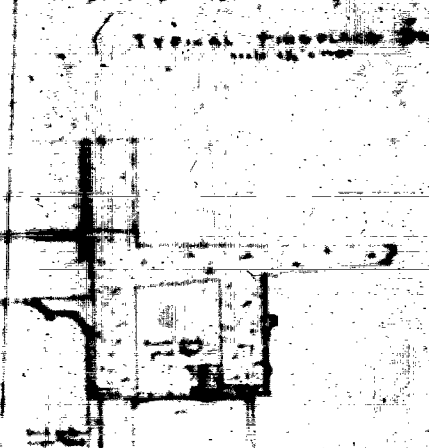
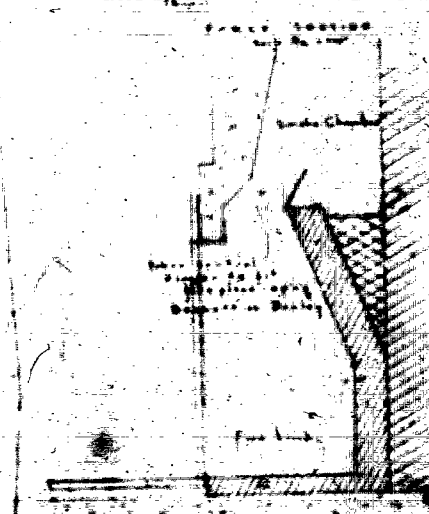
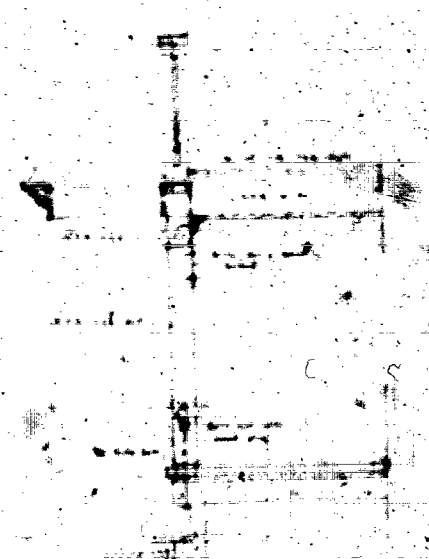
PLUMBING PERMITS

BUILDING PERMITS #M06995 10/11/84 Lestore G. Ramsdell 107 ton air cond wind
#28901 7/22/86 Ken Mailcoat Rfg reroof 6 sqs \$ 1,900.

ALTERATIONS & ADDITIONS

LOT: 1 BLOCK: 2 SUBDIVISION: *Summit Lake* ADDRESS: *9581 Lake Ave*

10,077



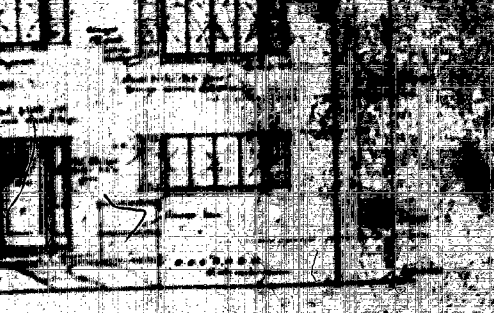
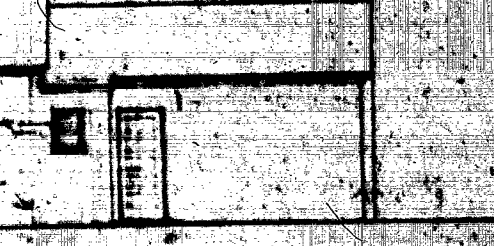
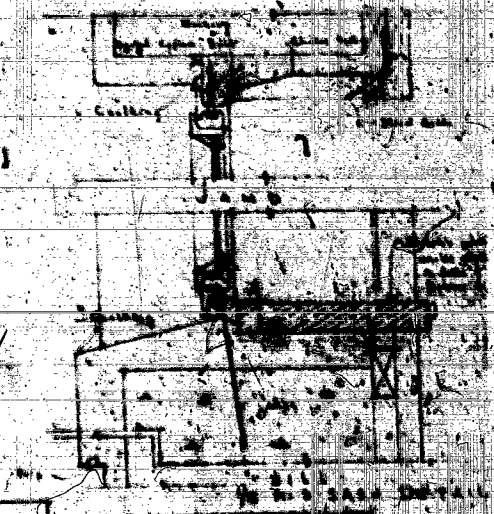
SECTION THROUGH SECTION
Looking East & Beyond Street
Scale 1/8" = 1'-0"



EAST ELEVATION
Scale 1/8" = 1'-0"

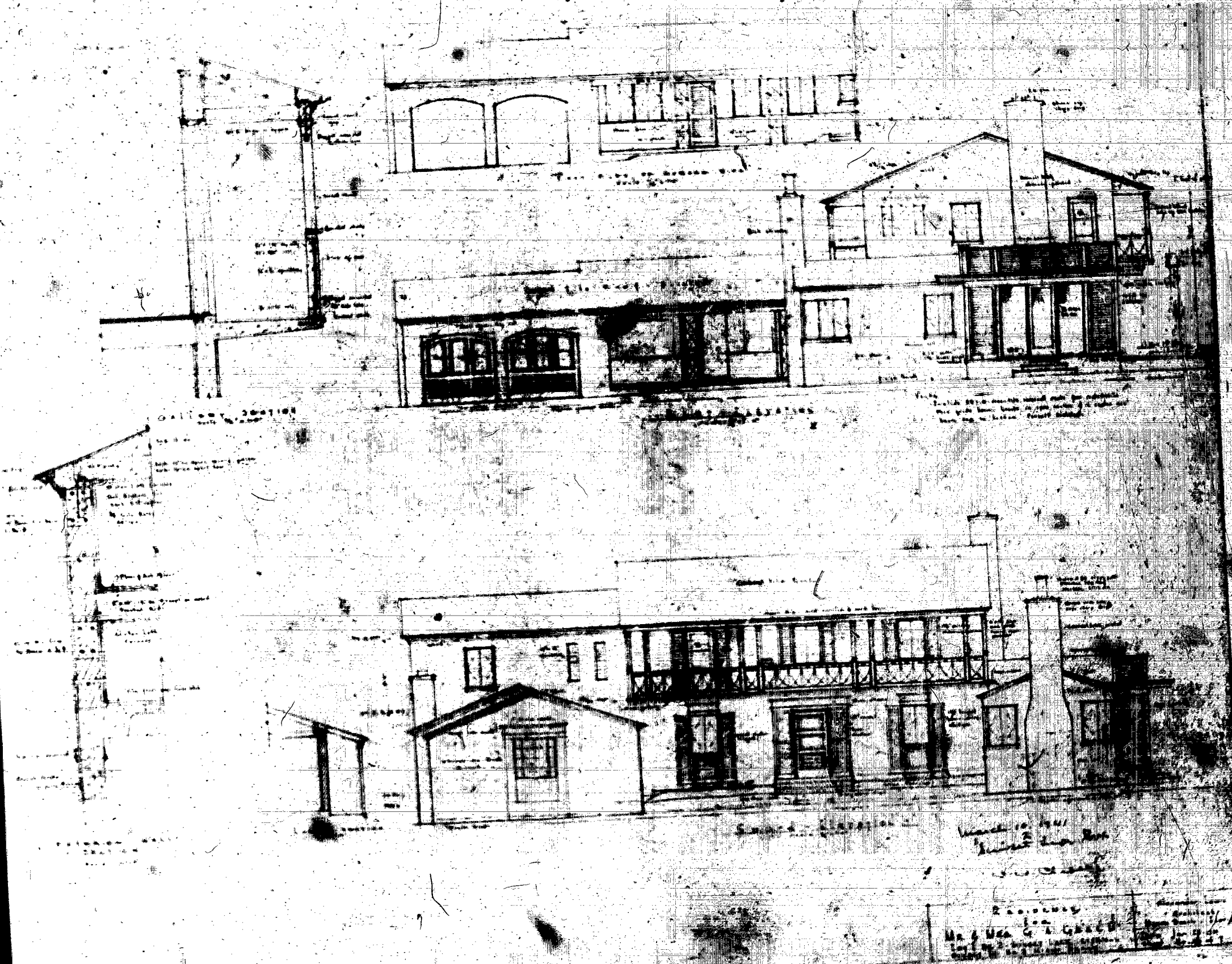
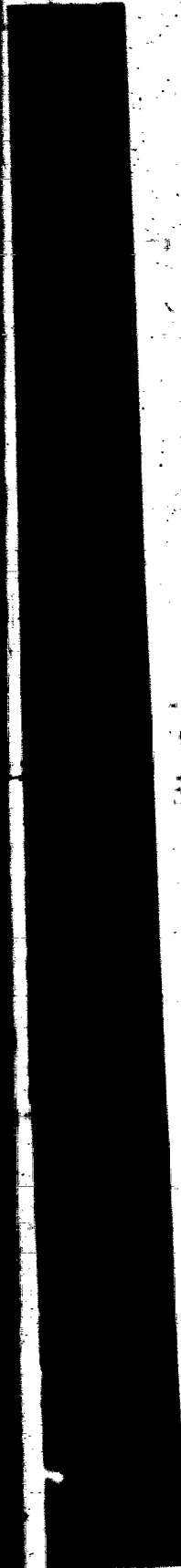


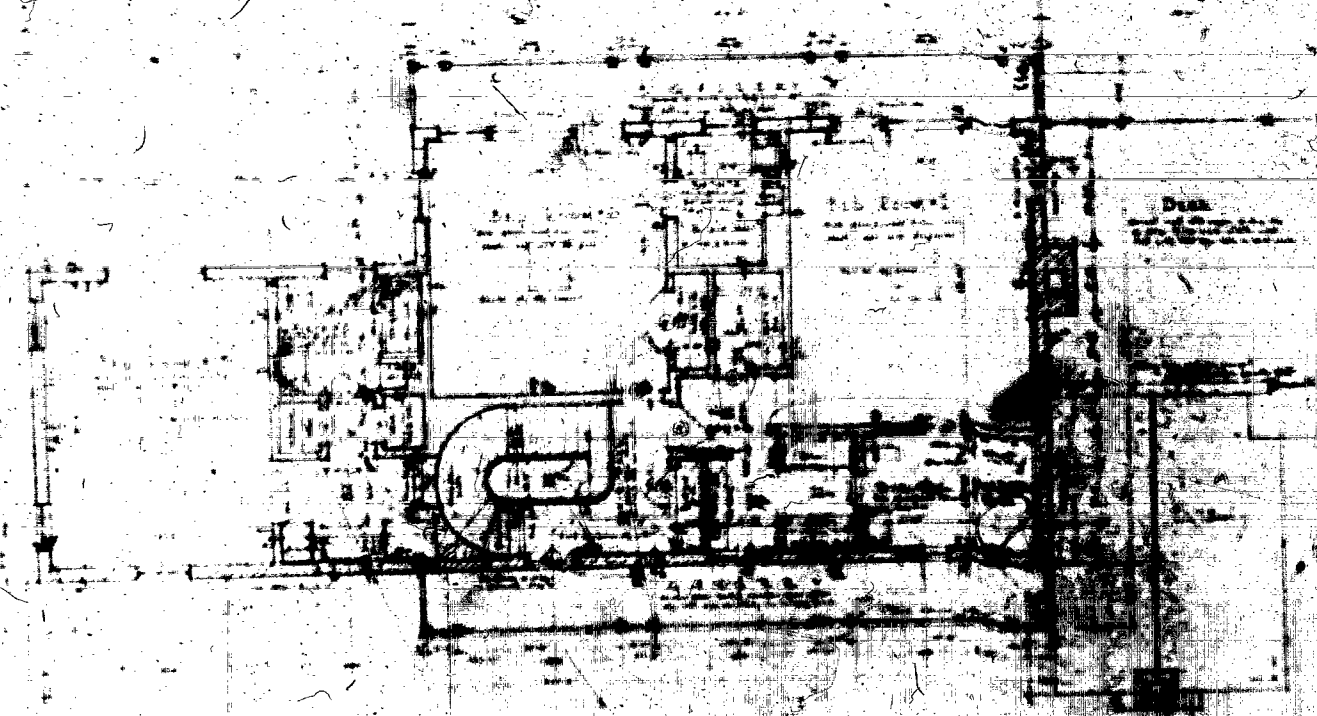
WEST ELEVATION
Scale 1/8" = 1'-0"



SECTION THROUGH SECTION
Looking West & Beyond Street
Scale 1/8" = 1'-0"

RESIDENCE
FOR
MR. & MRS. G. J. GREEN
1010 E. 2nd St., Los Angeles, Calif.
Designed by G. J. Green
March 10, 1941
Architect
G. J. Green

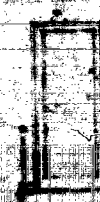
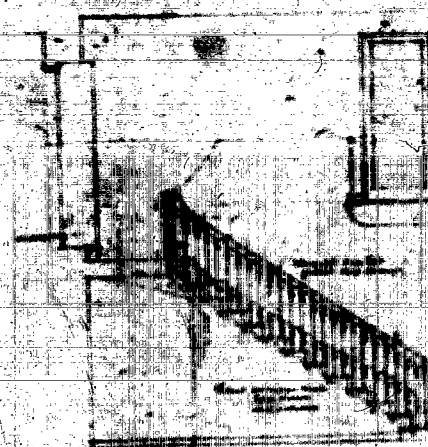




SECOND FLOOR PLAN



Bed Room, 10' x 12', with built-in wardrobe, 1' x 1' x 1' and 1' x 1' x 1'.

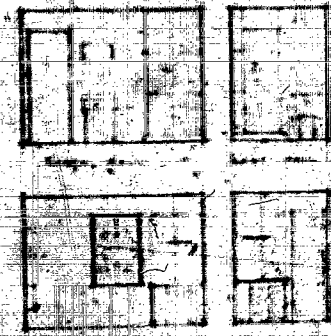


March 10, 1941
Architect's Office
on plan



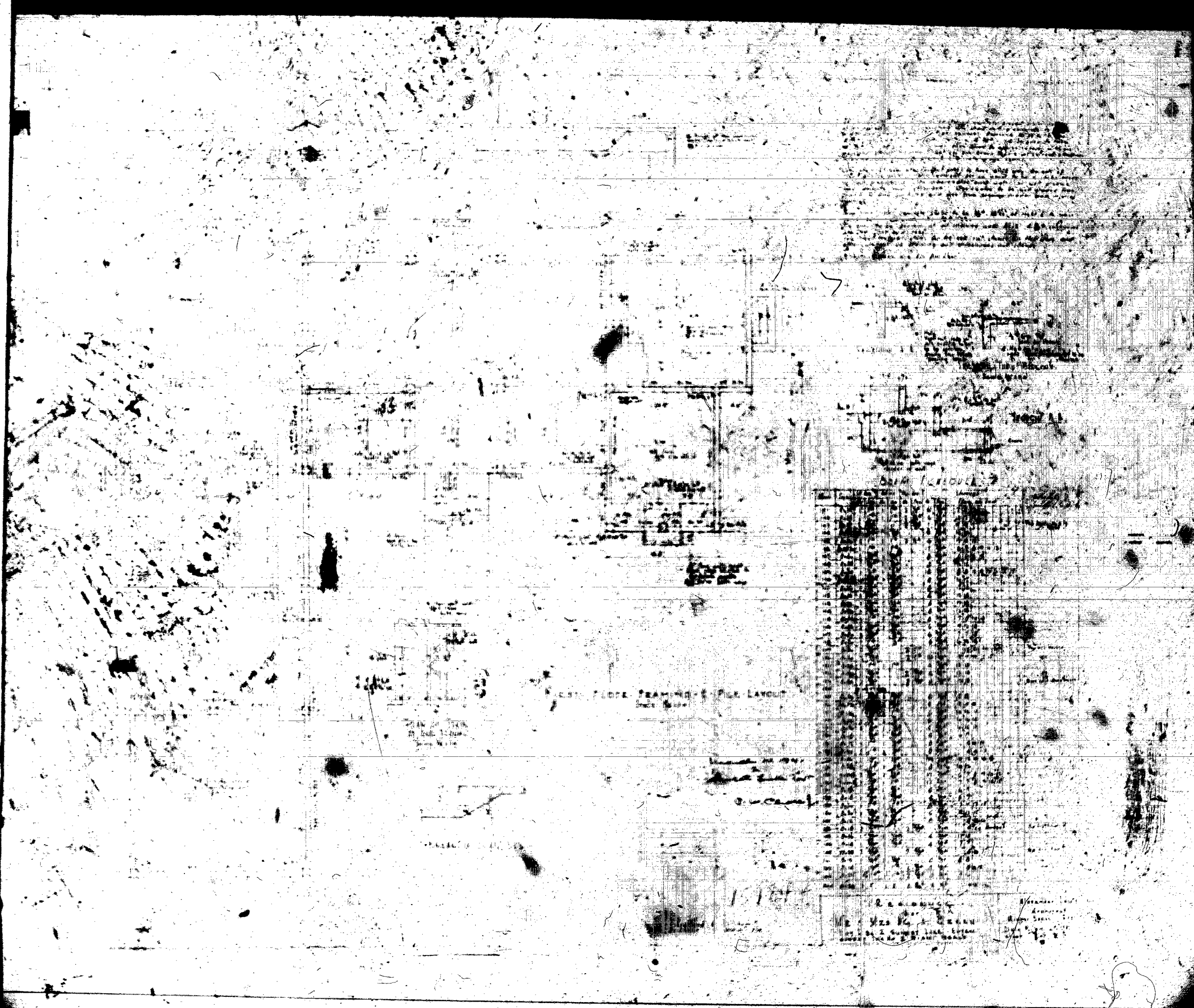
Living Room

RESIDENCE
No. 1, 101 G. A. GREEN
101 G. A. GREEN
101 G. A. GREEN
101 G. A. GREEN



Received from [illegible] \$ [illegible]
for [illegible]

2. <u>Mr. & Mrs. G. A. Green</u> <u>Lot 102, Survey 1420, Section 14,</u> <u>Range 11, North, Range 12, East</u>	Alexander, John 20. 10. 1897 Miss. Death - Florida Date 10. 18. 1897 Sheet No. 2 of 4
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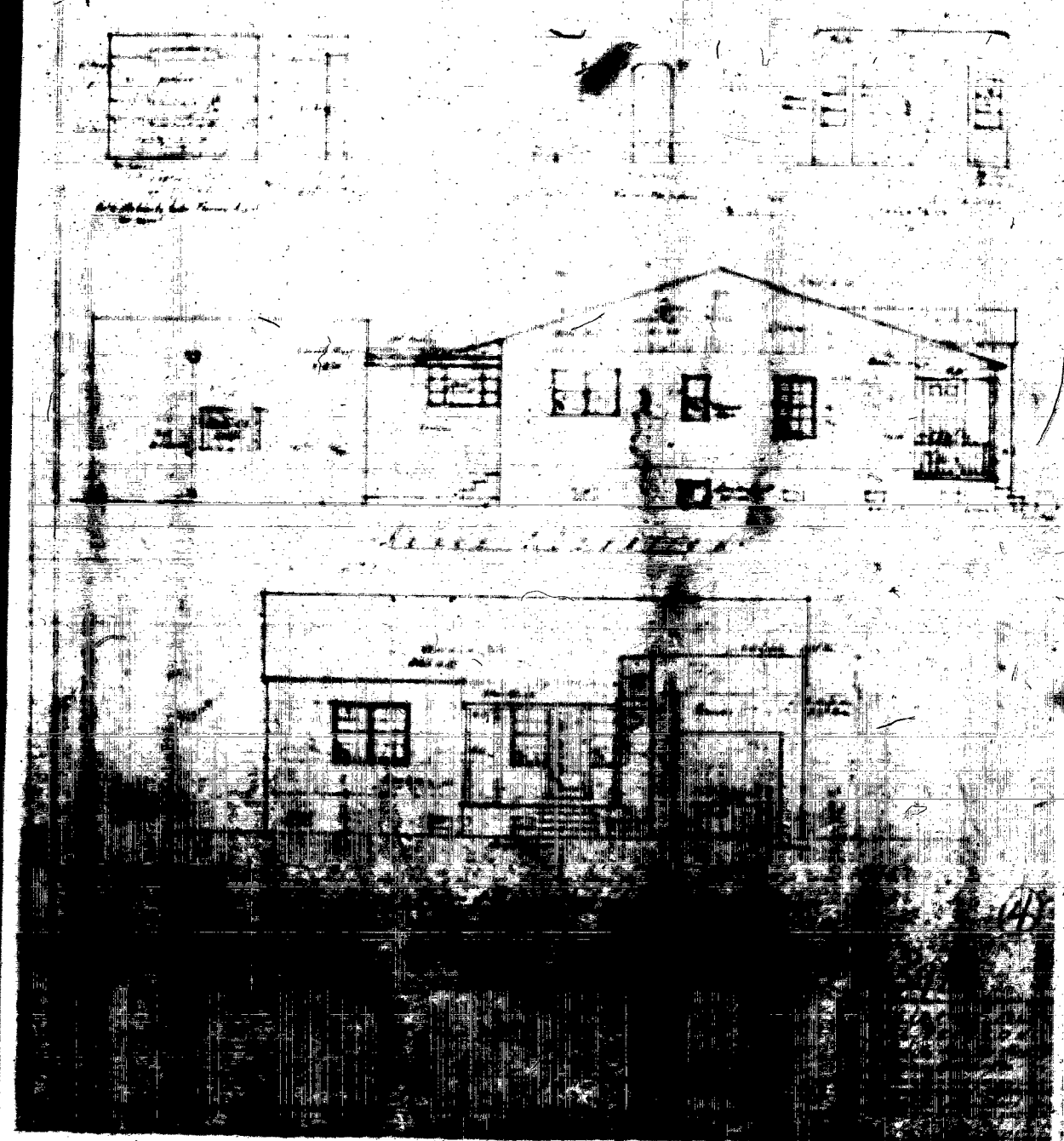


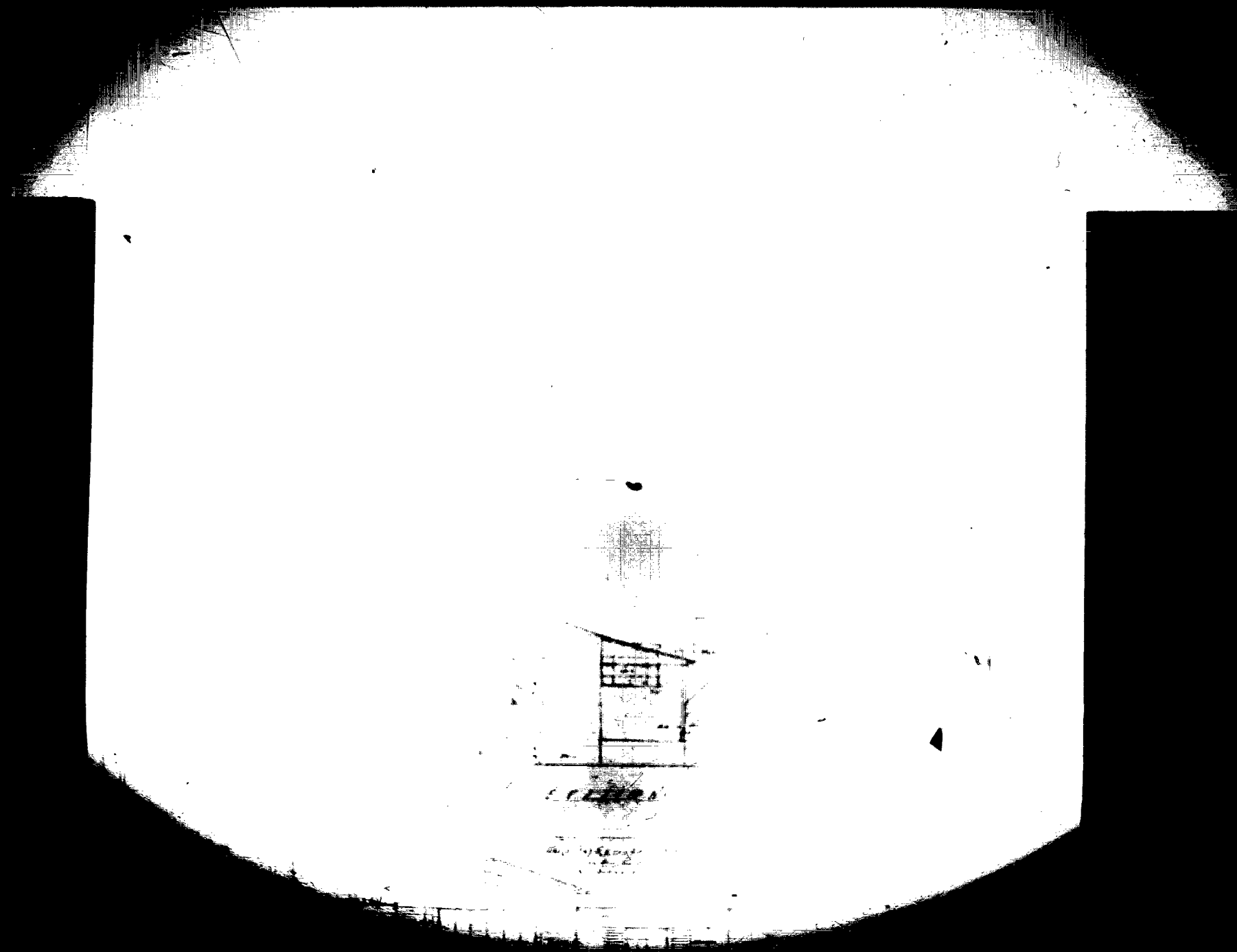
PLAN OF THE LAYOUT

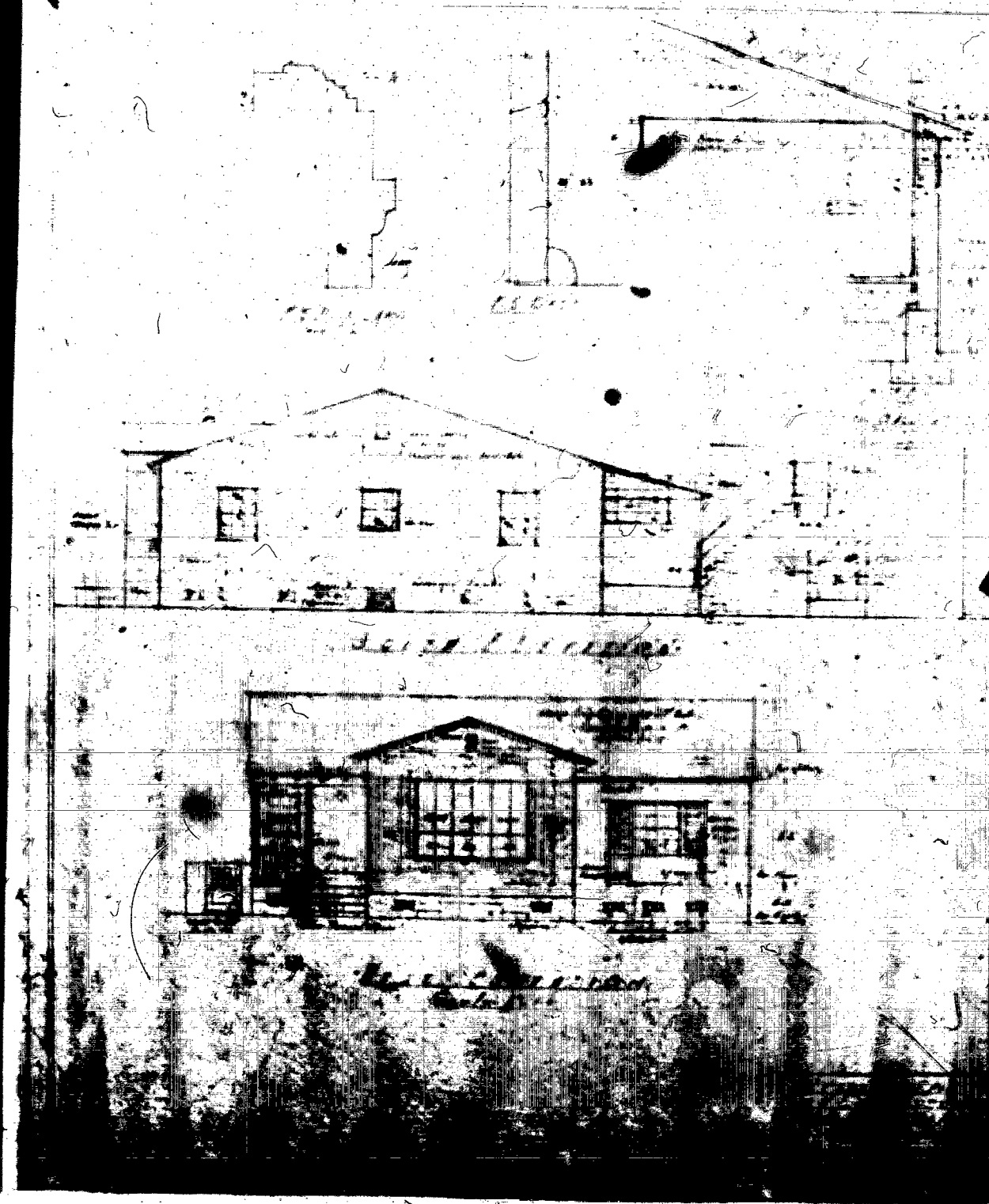
PLAN OF THE LAYOUT

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GENERAL NOTES:

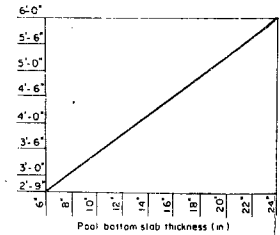
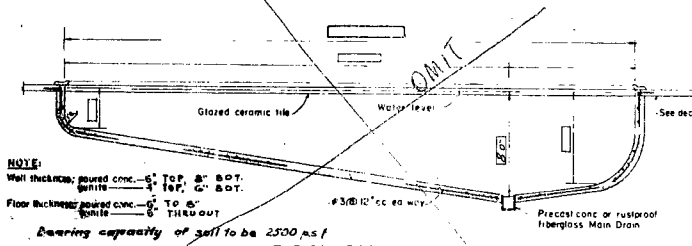
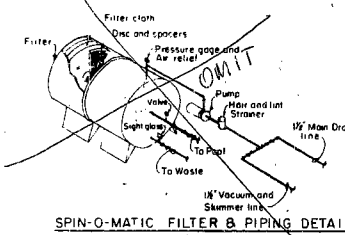
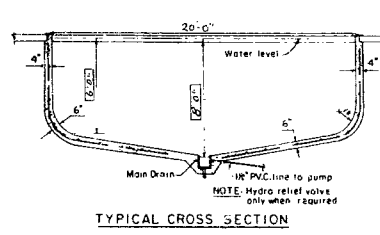
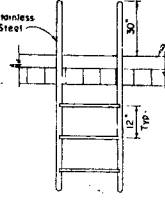
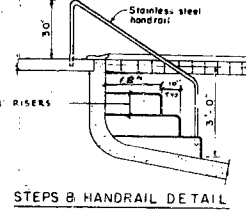
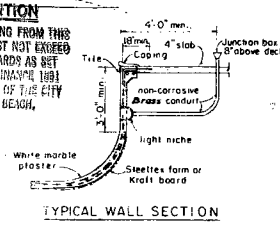
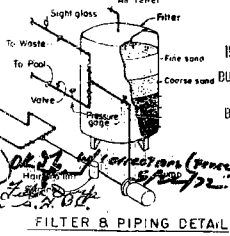
- All swimming pools shall bear on rock or undisturbed sand.
- All reinforcing steel shall be intermediate grade steel conforming to A.S.T.M. A-305. Steel shall be bent, lapped and placed in accordance with A.C.I. standards and specifications.
- Grafe # Main Drain shall have a free area four times the area of the suction line.
- All pool piping shall be P.V.C. Sched. 40 on-thread, NSF approved.
- Water supply and disposal shall be installed in a way so that there is no cross connection with a domestic water supply or water disposal system.
- Hair and lint strainer shall have removable screen with Aperture one size larger than suction line.
- All metallic conduits, piping system, reinforcing steel, lighting fixtures and fixture housing, metal parts of ladders, diving boards and their supports shall be bonded together and grounded to a common ground. The bonding conductor shall not be smaller than # 8 copper.
- No a/c wiring within 10' of pool.
- Responsibility of backfilling and compaction around pool and pool deck by General Contractor, not pool Contractor.
- Backwash shall be to an under pool sump of 100 sq.ft. min. area of washed drain rock, waterway, etc. in accordance with local ordinance.
- Disposal of poolwater shall conform to Sec. 5004 of the S.F.B.C. Surface grading shall confine ponding of pool water to within lot lines and such ponding shall not persist for more than 1hr. after discharge.

HOUSE C. 1193
EQUIPMENT
POINT IN ORDINANCE
SECTION 7-4 A. OF THE CITY

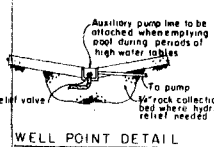
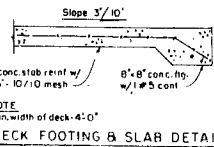
APPROVED
CITY OF MIAMI BEACH

DESIGNED BY: *[Signature]*
CHECKED BY: *[Signature]*
DATE: 5/2/72
DRAWN BY: *[Signature]*
P.L.S. 10/10/72
ELECTRICAL BY: *[Signature]*
MECHANICAL BY: *[Signature]*
FIRE PREVENTION

ENGINEERING
ATTENTION
NOISE EMANATING FROM THIS EQUIPMENT MUST NOT EXCEED ABOVE STANDARDS AS SET FORTH IN ORDINANCE 1181 SECTION 7-4 A. OF THE CITY OF MIAMI BEACH.



Pool Top Fin Grade
Flood Criteria: 3'-0" ft.
Pool Bottom: 1'-0" hd. - 2" (HV) - 1" allow for struct. - 1'-0" hd.
Use 6" slab



POOL DATA	
POOL CAPACITY	28420
FILTER AREA	3.1
FILTRATION RATE	60GPM
BACKWASH RATE	40GPM
TURNOVER RATE	7 HRS
PUMP SIZE	1 HP

SCHEDULE			
Board	A	B	C
8'-0"	3'-0"	2'-4"	2'-0"
10'-0"	3'-0"	2'-4"	2'-0"
12'-0"	3'-0"	3'-0"	2'-0"
14'-0"	4'-0"	3'-0"	2'-0"

AQUA-CLEAR POOLS, INC.
1580 NE 123 St. No. Miami, Fla.
MR. GEORGE ALLEN
2581 LAKE AVENUE
MIAMI BEACH, FLORIDA
JAMES RODGERS
CONSULTING ENGINEER
APP. 10/10/72

88041-

17:1

PERMIT NUMBER

BS 943 213

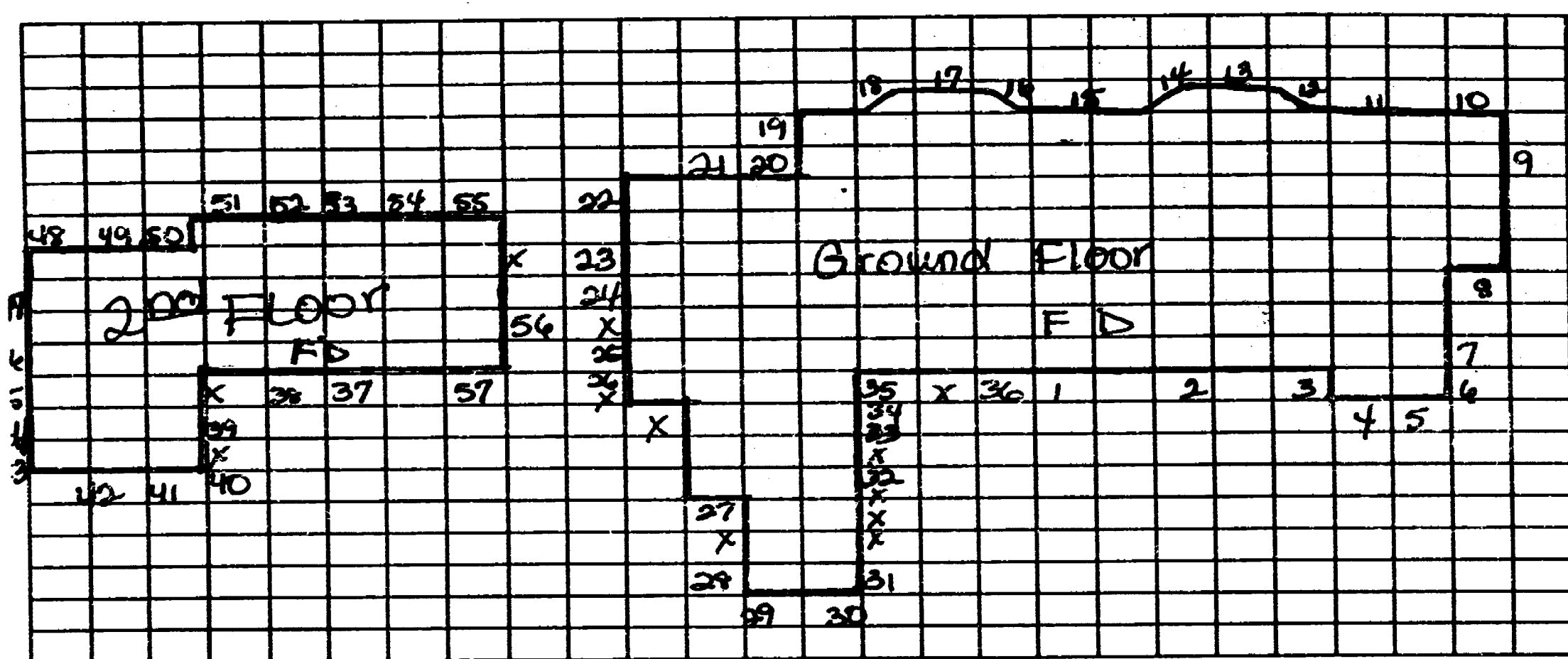
ADDRESS

17

JOB # 94-0707103
 JOB NAME: Mr. & Mrs. Allen
 JOB ADDRESS: 2581 Lake Ave., Sunset Island, FL

Homeshield
 INDUSTRIES, INC.
 3585 E. 10TH COURT, HIALEAH, FLORIDA 33013
 DADE: (305) 691-2888 • BROWARD (305) 761-3709
 FL TOLL FREE (800) 962-5292 • FAX: (305) 691-2244

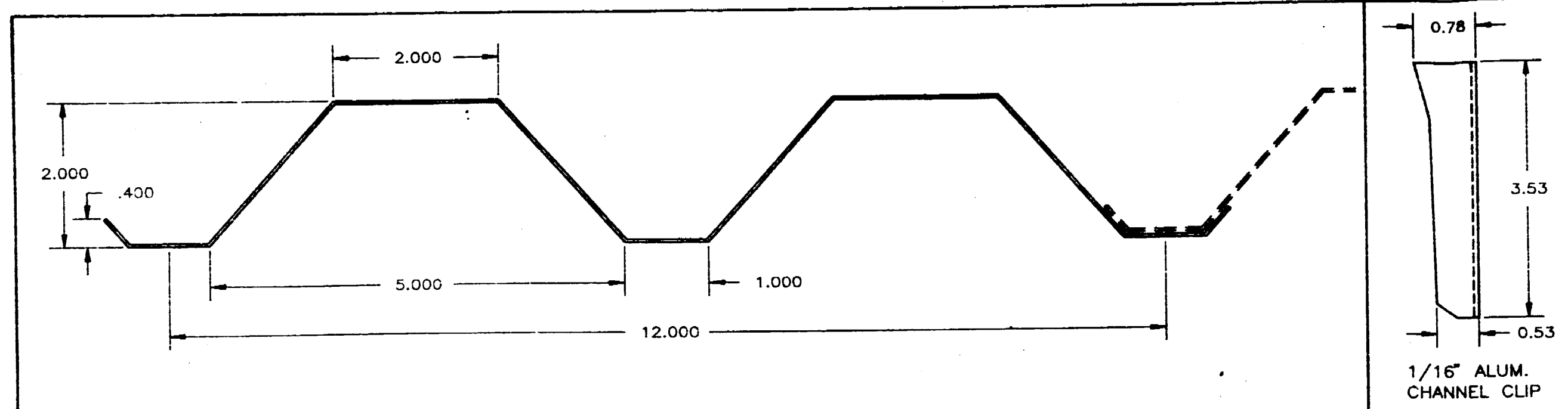
HOMESHIELD INDUSTRIES, INC.



REPAIR LIST

1		21	
2		22	
3		23	
4		24	
5		25	
6		26	
7		27	
8		28	
9	203 x 96 = 135 sq. .050 s/p	29	
10	116 x 95 = 110 sq. .050 s/p	30	
11	35 x 73 = 192 sq. .050 s/p	31	
12	39 x 80 = 216 sq. .050 s/p	32	
13	76 x 80 = 428 sq. .050 s/p	33	
14	39 x 80 = 216 sq. .050 s/p	34	
15		35	
16	39 x 80 = 216 sq. .050 s/p	36	
17	77 x 80 = 428 sq. .050 s/p	37	
18	39 x 80 = 216 sq. .050 s/p	38	
19		39	
20	68 x 82 = 39 sq. .050 s/p	40	

17



DESIGN LOADS - PER SOUTH FLORIDA BLDG. CODE (1988)

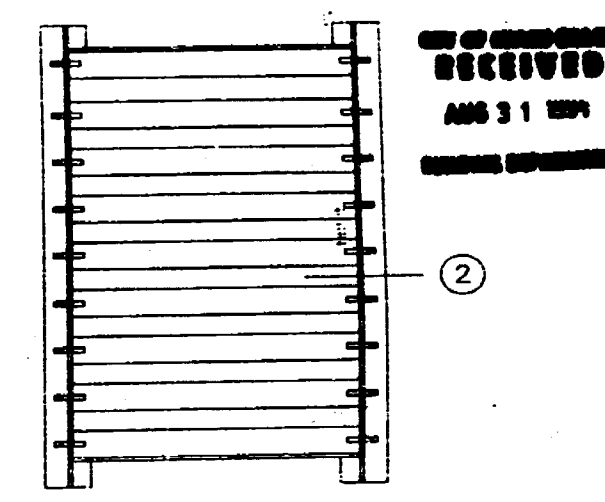
ELEV. F.T.	STANDARD EXPOSURE		COASTAL EXPOSURE	
	ALL BLDGS.	BLDGS. < 60'	INTERIOR	END
0 - 5	24.2	24.6	28.6	26.4
5 - 15	29.7	30.2	35.1	32.4
15 - 25	36.3	37.0	42.9	39.6
25 - 35	40.7	41.4	48.1	44.4
35 - 55	45.1	45.9	55.3	49.2
55 - 75	50.6	-	-	55.2
75 - 100	55.0	-	-	60.0
100 - 150	60.5	-	-	66.0
150 - 250	69.3	-	-	75.6

- ANCHOR (A) = 1/4" TAPCON 1-3/4" EMBEDMENT TO CONCRETE 1-1/4" EMBEDMENT TO BLOCK
- ANCHOR (B) = 1/4" S.M.S. W/ RAWL SCRU-LEAD INTO CONCRETE 1-1/4" EMBEDMENT.
- ANCHOR (C) = 1-1/4" HILTI METAL HIT ANCHORS EMBEDMENT TO CONCRETE OR BLOCK
- ANCHOR (D) = 1/4" CALK-IN, TOTAL ANCHOR BODY INTO CONC.
- ANCHOR (E) = 1/4" S.M.S. INTO WOOD, 1-1/2" MIN. EMBEDMENT (SEE DETAIL 47)
- NOTE: ANCHORS USE FULL EMBEDMENT IN CONCRETE BEYOND THE CURING (STUCCO, TILES, ETC.)

FOR ASCE 7-88 WIND LOAD REQUIREMENTS REFER TO SEPARATE TABLES

GENERAL NOTES

- THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FL. BLDG. CODE 1988 EDITION FOR DADE COUNTY, 1992 EDITION FOR BROWARD COUNTY ALSO FOR WIND LOADS AS PER ASCE 7-88 USING CORRESPONDING LOADS.
- DESIGN CRITERIA FOR ALUMINUM, MINIMUM MECHANICAL PROPERTIES, & SAFETY FACTORS ARE IN ACCORDANCE WITH THE "ALUMINUM CONSTRUCTION MANUAL" LATEST EDITION.
- ALUMINUM ALLOYS: ALL EXTRUSIONS SHALL BE ALLOY 6063-T6. PANELS SHALL BE ALLOY 3003-H16. STEEL PANEL MINIMUM YIELD STRENGTH = 40 KSI
- STEEL SURFACES TO BE PLACED IN CONTACT WITH ALUMINUM SHALL BE GIVEN ONE COAT OF ZINC CHROMATE PRIMER IN ACCORDANCE WITH FEDERAL SPEC. NO. TTP-645, OR BE GALVANIZED.
- ANCHORS SHALL BE AS LISTED, SPACED AS PER CHARTS AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ALL BOLTS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL OR ALUMINUM ALLOY 2024-T4 OR 7075-T6, OR PLATED STEEL.
- THE DESIGN OF ANY PANEL AT A GIVEN ELEVATION SHALL COMPLY WITH THE TABLES PERTAINING TO THE EXPOSURE/ZONE.
- DESIGN CRITERIA FOR PANELS: MAX DEFLECTION $\leq L/30$ OR 2"
- ANCHORING OR LOADING CONDITIONS OTHER THAN THOSE SHOWN IN THESE DETAILS ARE TO BE ENGINEERED SEPARATELY.



TYPICAL ELEVATIONS

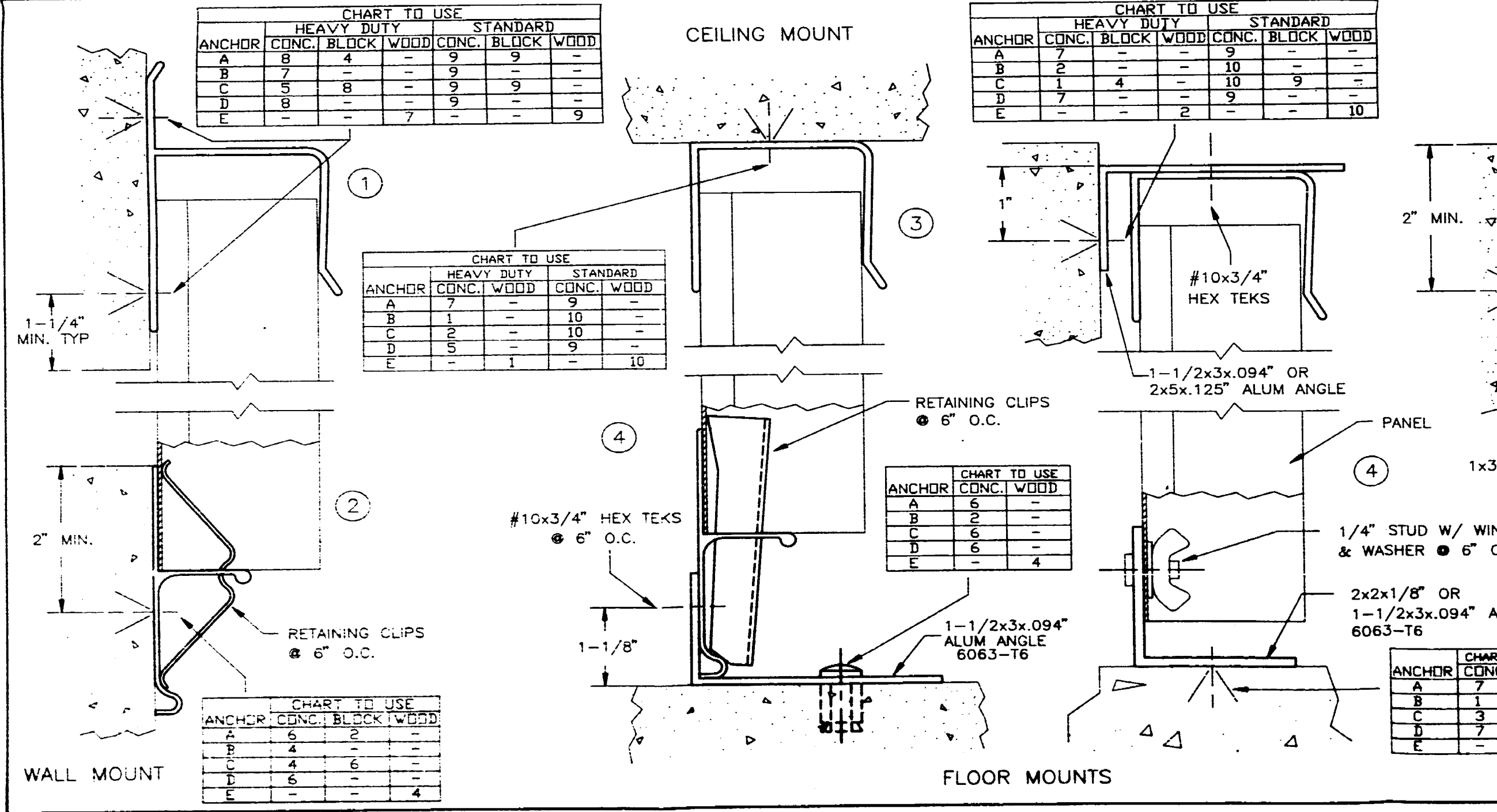
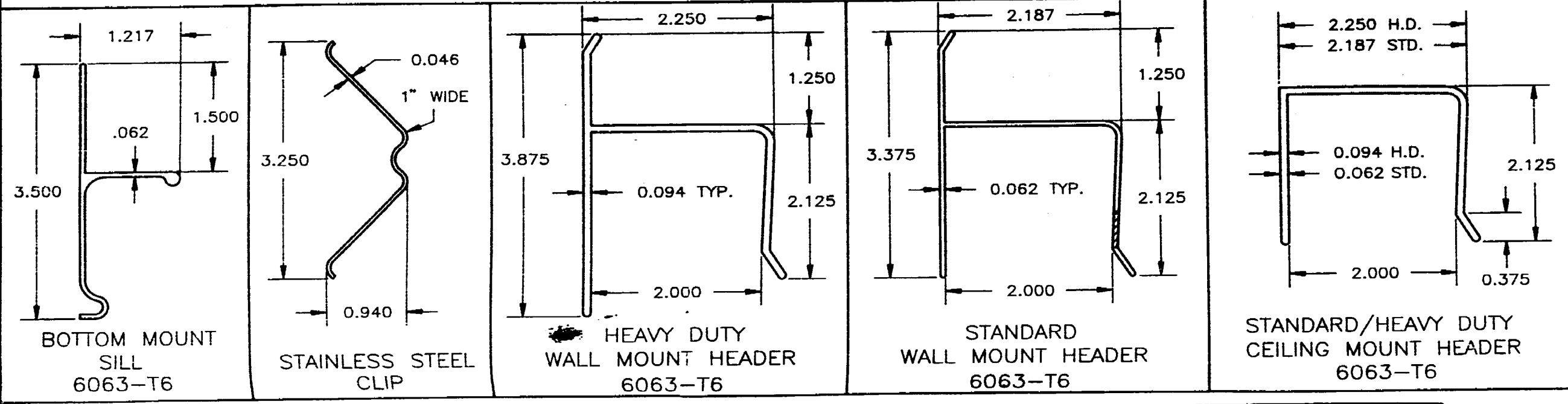
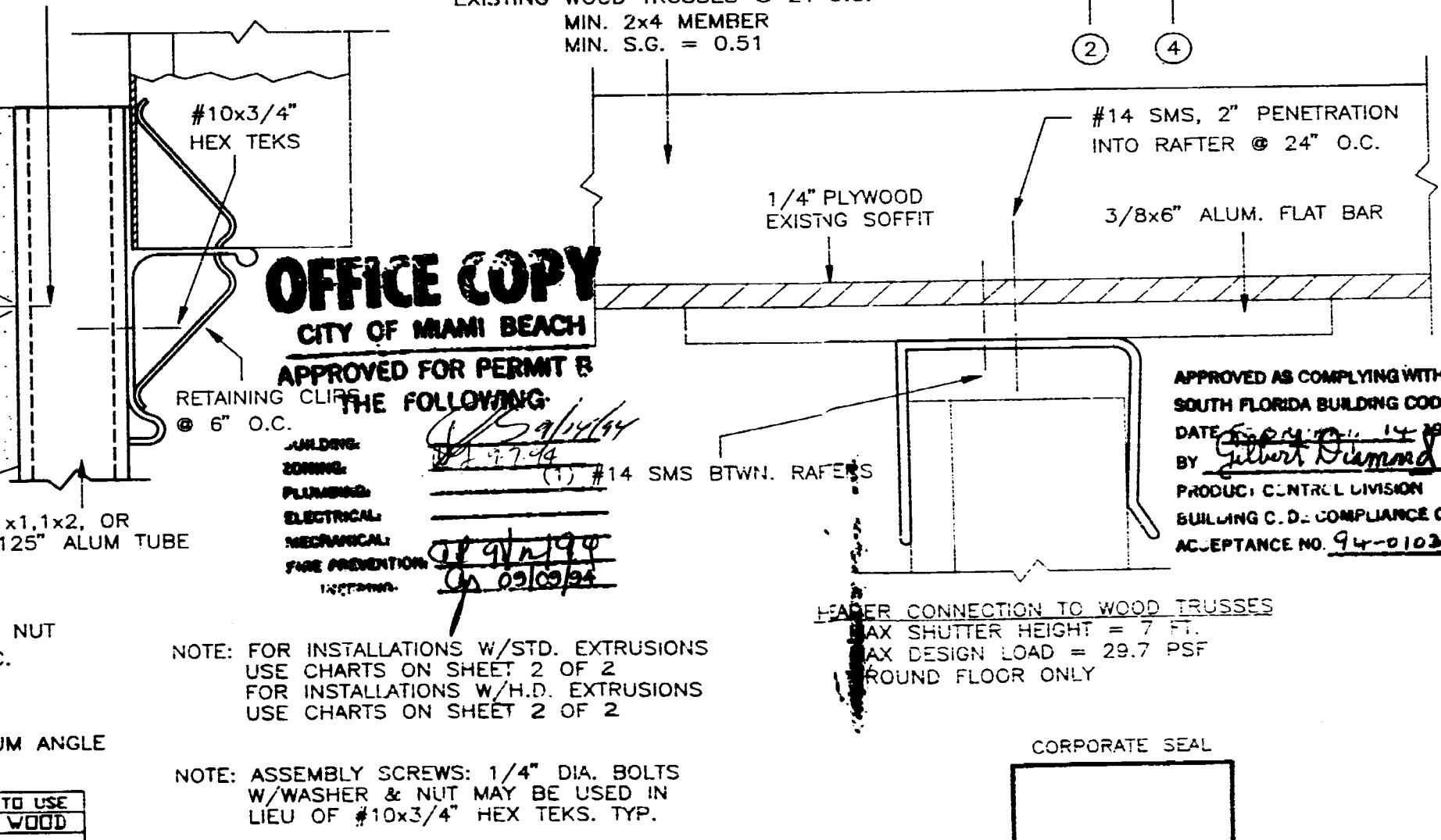


CHART TO USE

ANCHOR	CONC.	BLOCK	WOOD
A	6	2	-
B	4	4	-
C	4	6	-
D	6	-	-
E	-	-	4



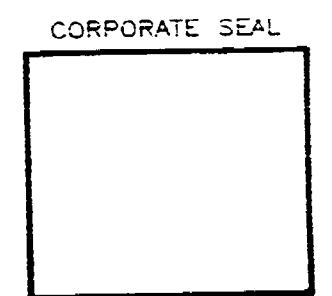
OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:

DATE: 8/29/94
BY: [Signature]
BUILDING: [Signature]
ZONING: [Signature]
PLUMBING: [Signature]
ELECTRICAL: [Signature]
MECHANICAL: [Signature]
FIRE PREVENTION: [Signature]
INSPECTION: [Signature]

NOTE: FOR INSTALLATIONS W/STD. EXTRUSIONS USE CHARTS ON SHEET 2 OF 2
FOR INSTALLATIONS W/H.D. EXTRUSIONS USE CHARTS ON SHEET 2 OF 2

NOTE: ASSEMBLY SCREWS: 1/4" DIA. BOLTS W/WASHER & NUT MAY BE USED IN LIEU OF #10x3/4" HEX TEKS, TYP.

ATTN. BLDG. OFFICIALS DO NOT ACCEPT THIS DRAWING W/O HOMESHIELD INDUSTRIES RAISED CORPORATE SEAL.



AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT TESTING

1235 SW 87 AVE
MIAMI, FLORIDA 33174
(305) 264-8100

HOMESHIELD

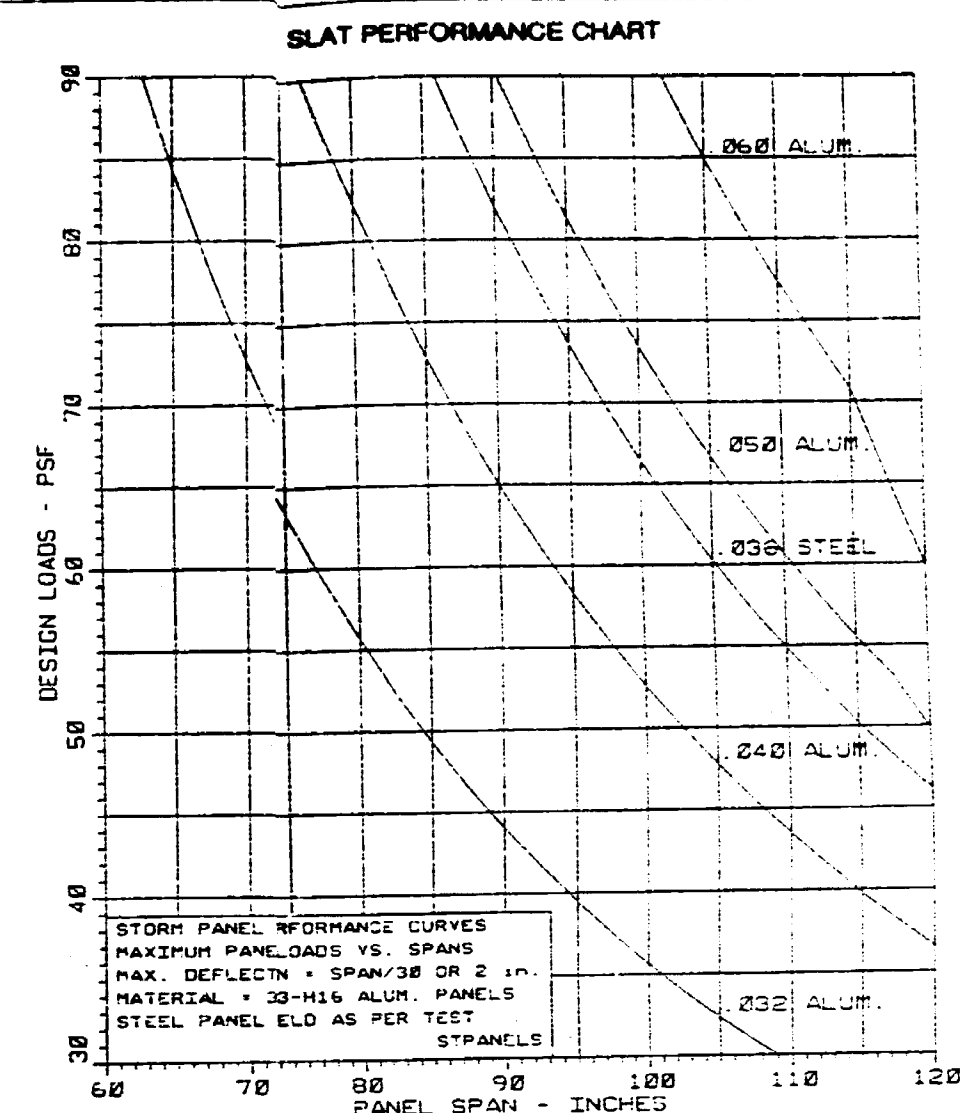
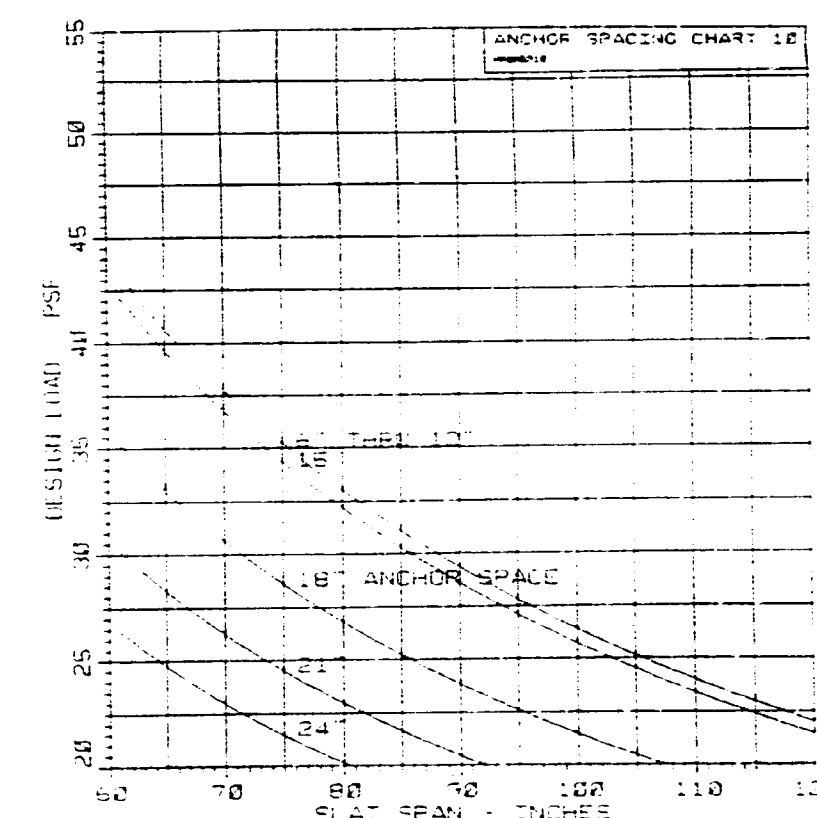
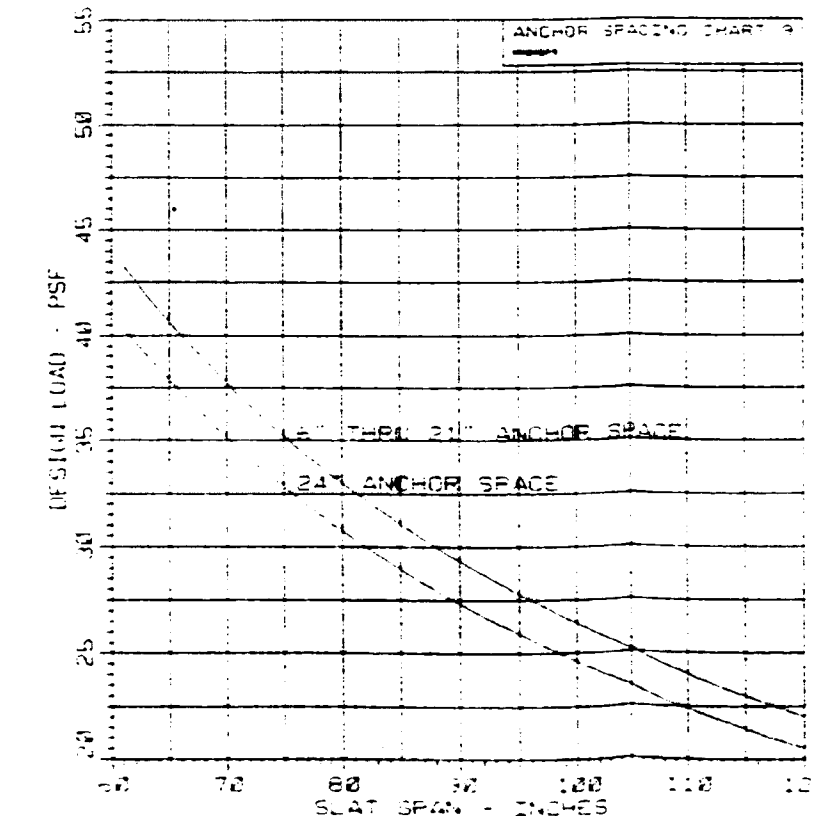
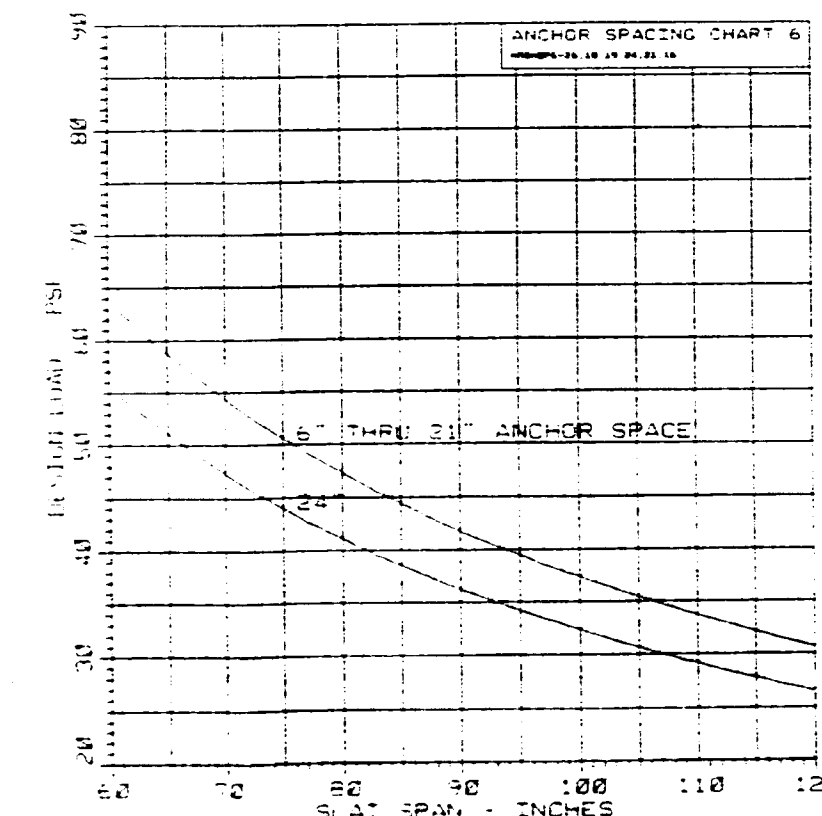
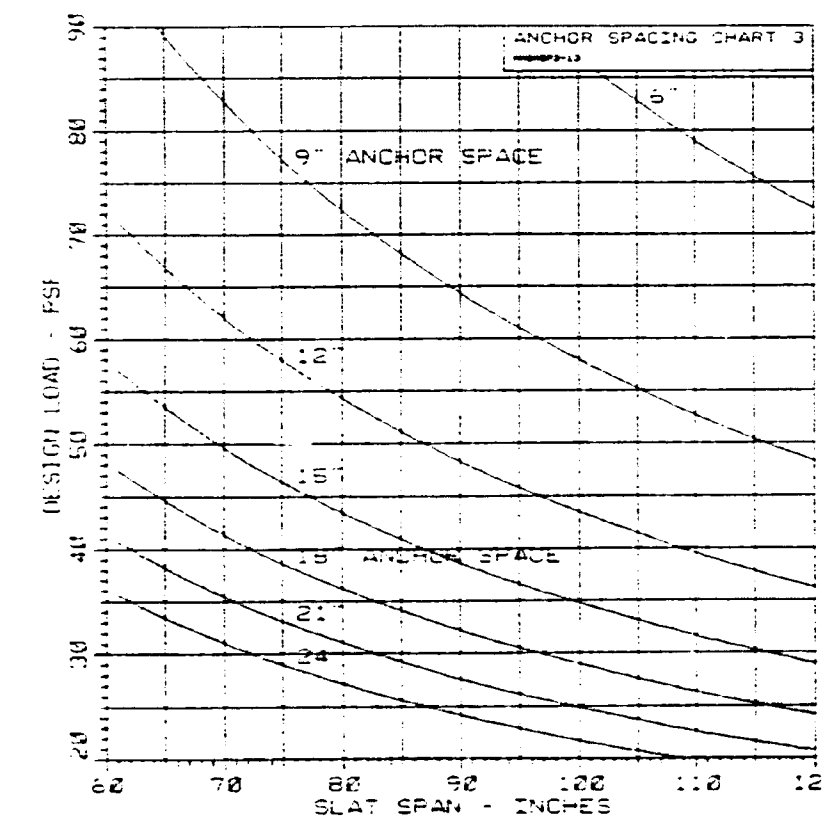
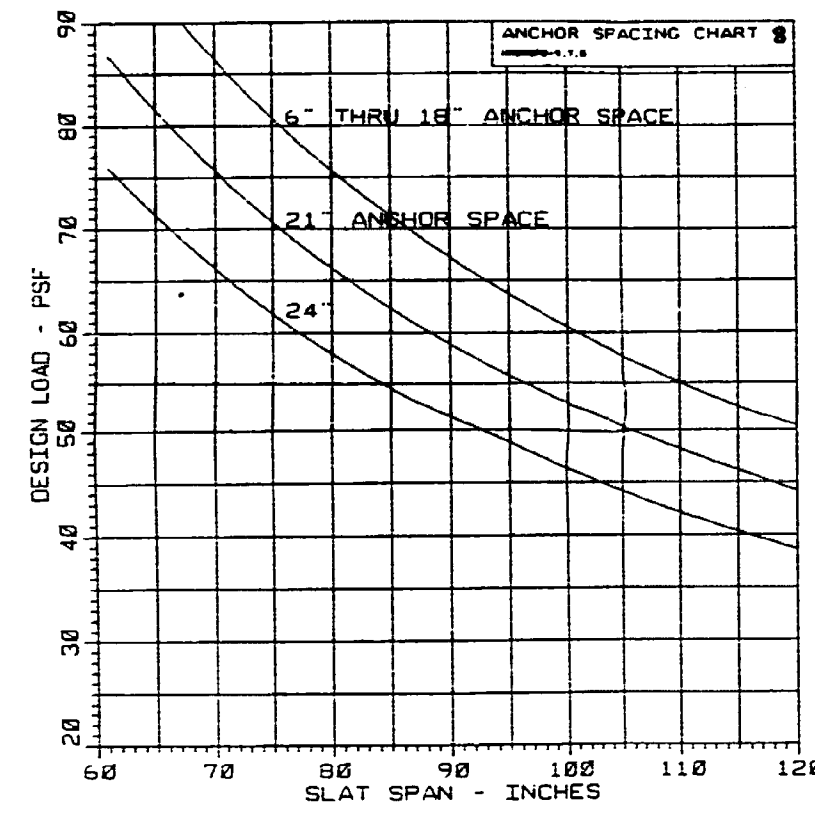
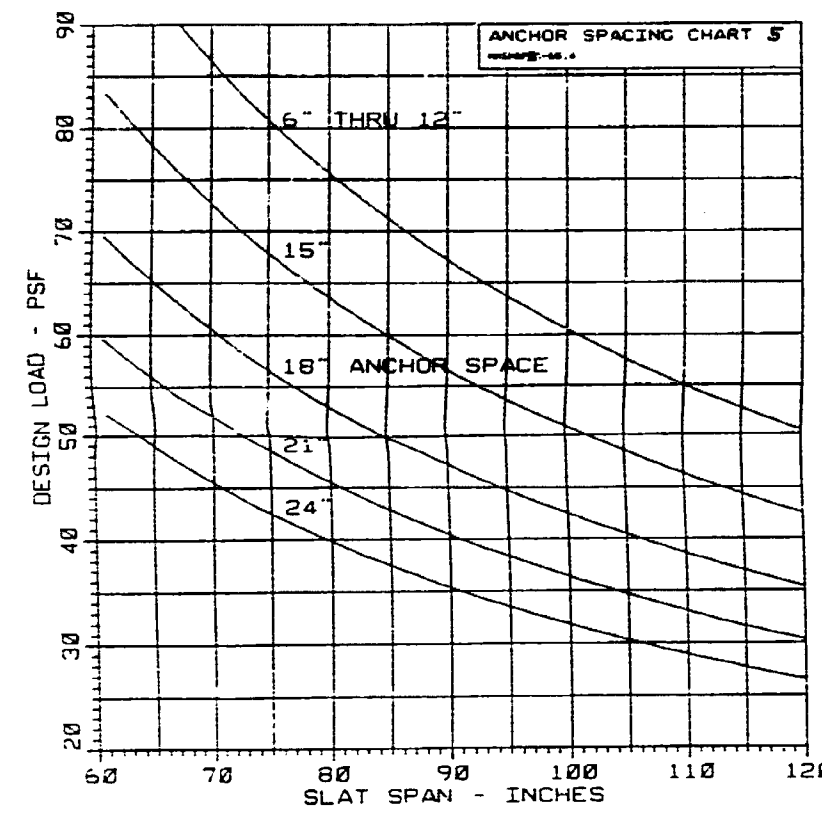
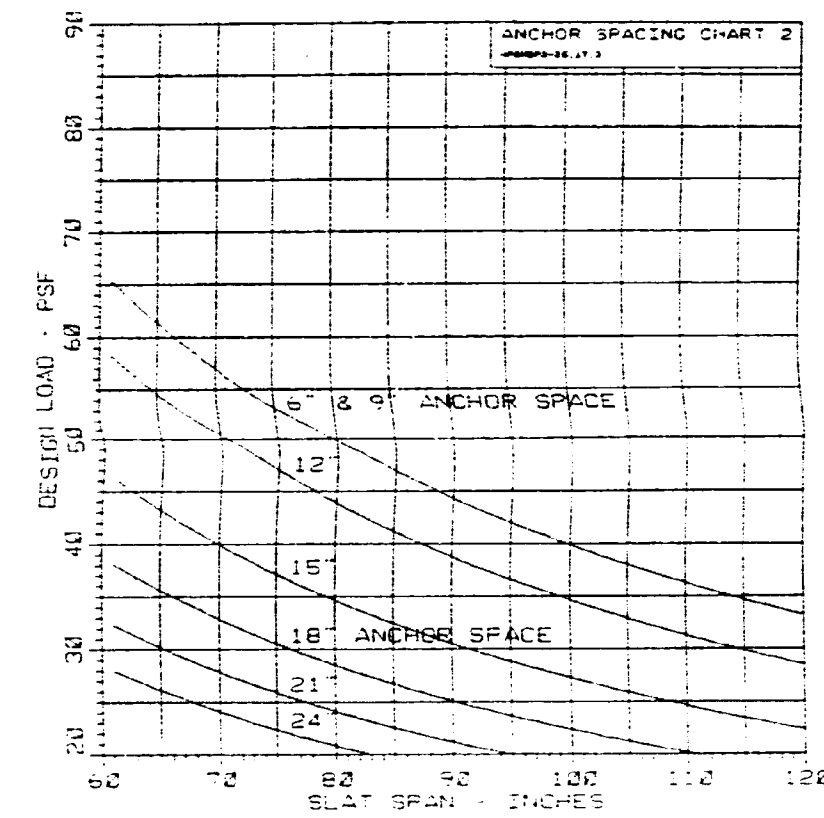
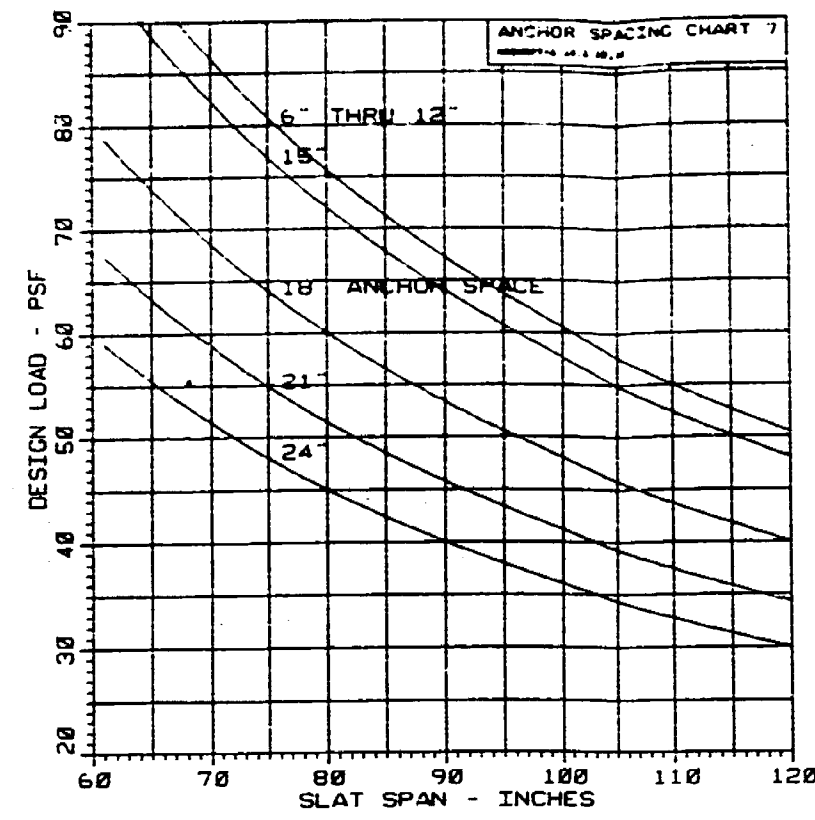
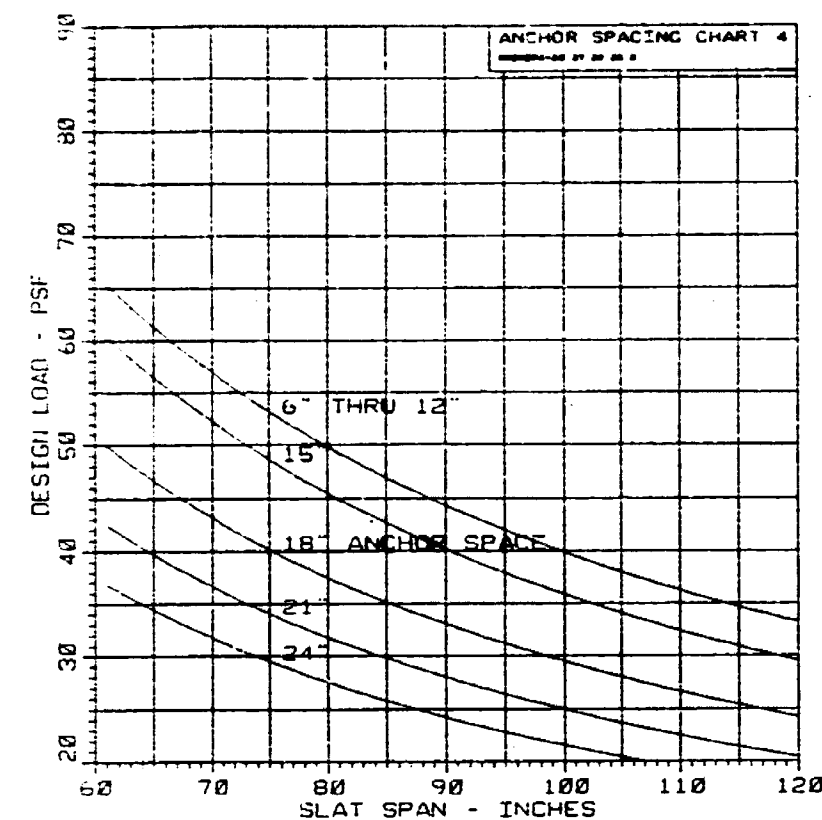
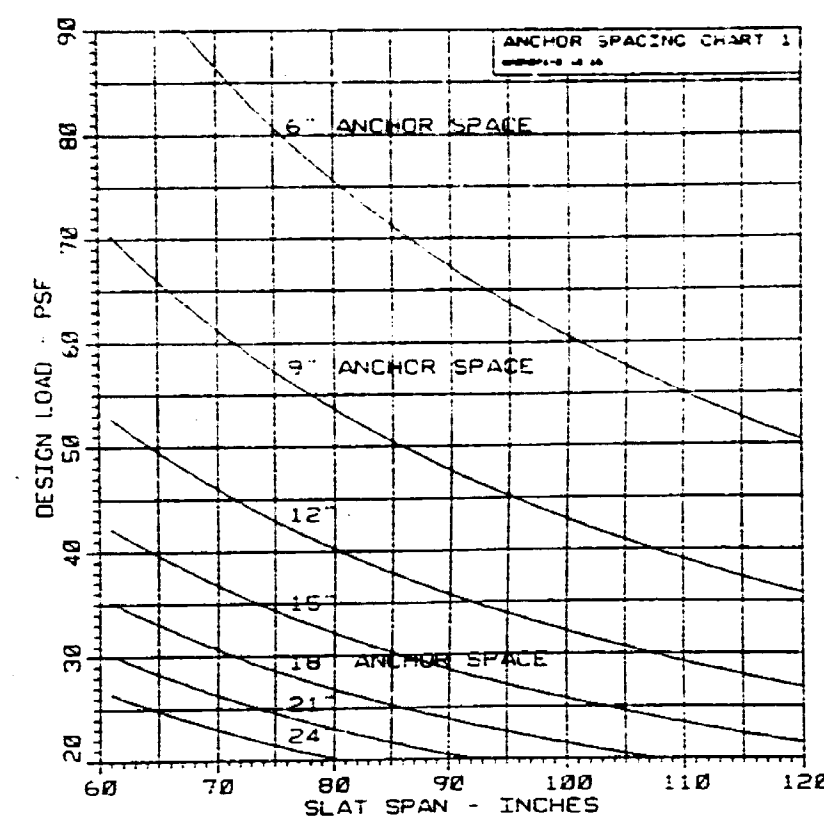
HOMESHIELD INDUSTRIES, INC.
3585 E. 10th COURT
HIALEAH, FL 33013
(305) 691-2888

Revisions: [Table with columns for date, description, and initials]

date: 12-21-93
scale: FULL
design by:
drawn by: RLG
checked by:

drawing no. 93-52
sheet 1 of 2

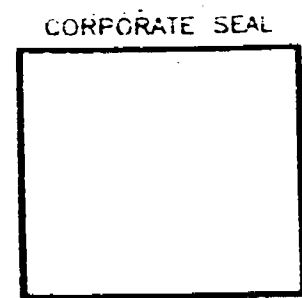
JUL 20 1994



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

JUL 20 1994

ATTN. BLDG. OFFICIALS
DO NOT ACCEPT THIS DRAWING
W/O HOMESHIELD INDUSTRIES
RAISED CORPORATE SEAL.



AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT TESTING
1235 SW 87 AVE
MIAMI, FLORIDA 33174
(305) 264-8100

STORM PANEL DETAILS
HOMESHIELD INDUSTRIES, INC.
3585 E. 10th COURT
HIALEAH, FL 33013

revisions:
no date by description

date: 11-23-93
scale: FULL
design by:
drawn by: HLG
checked by:

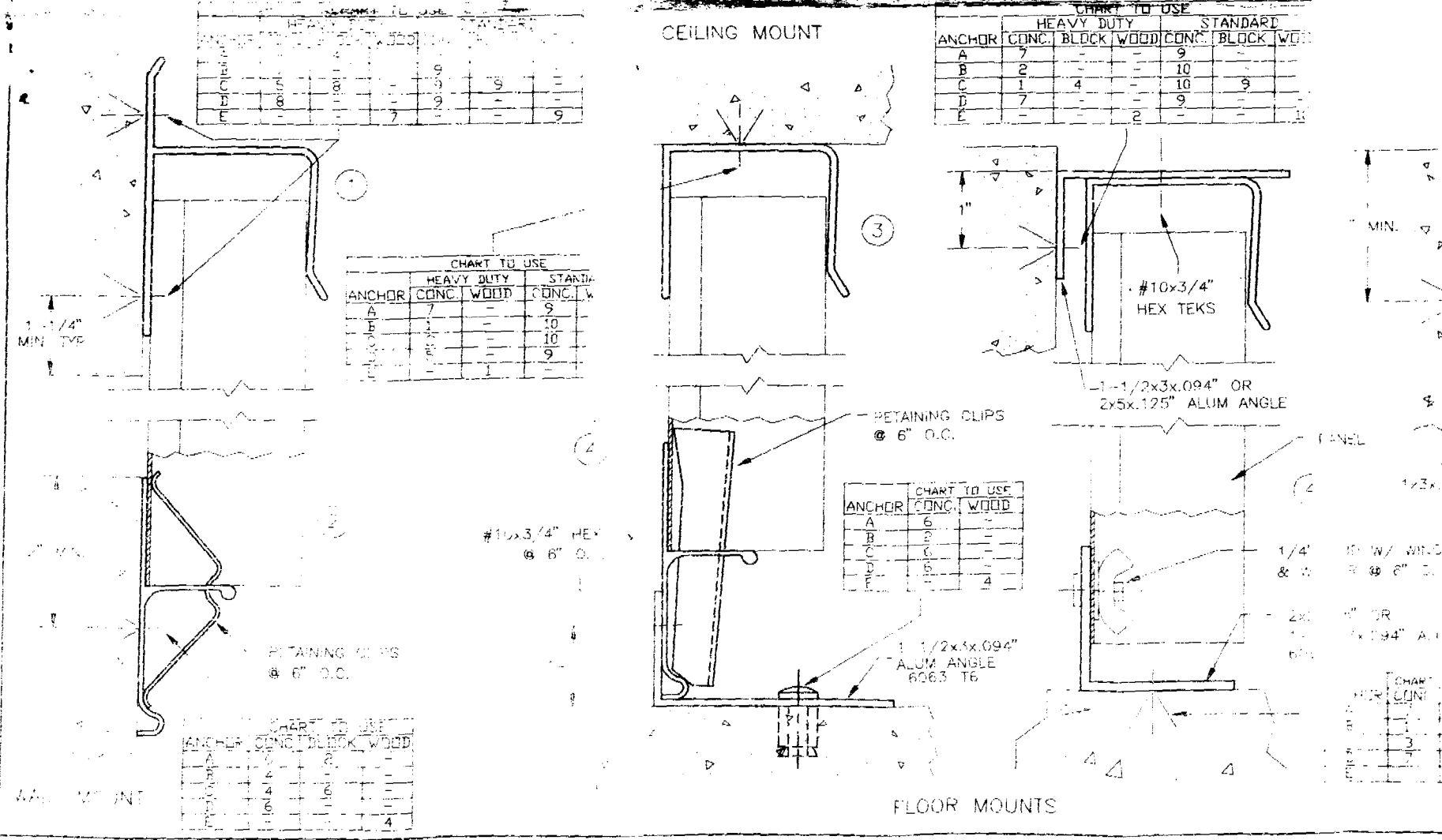
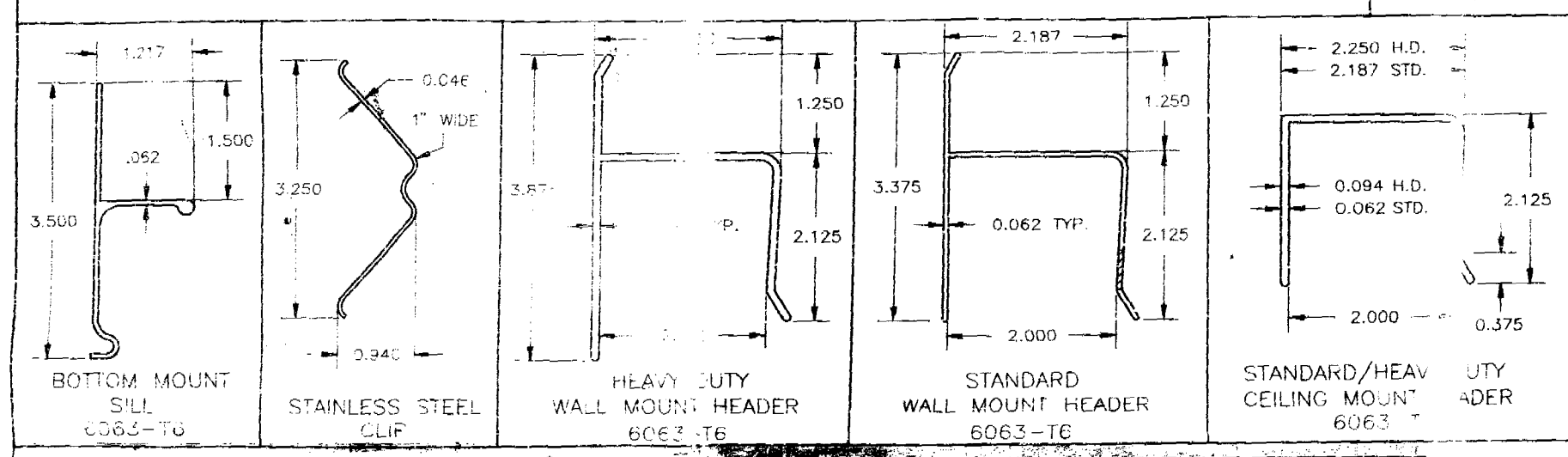
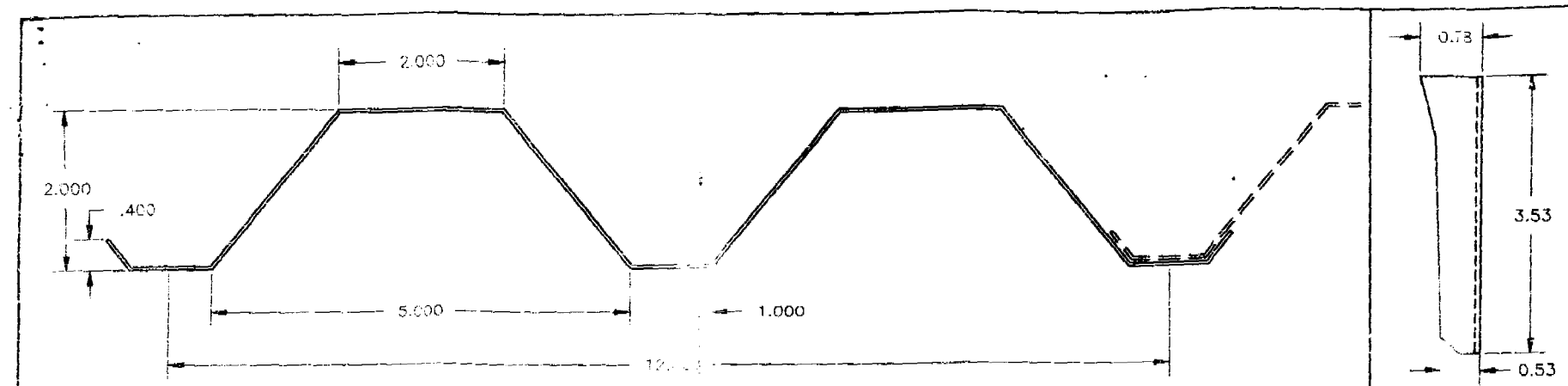
drawing no.
93-52
sheet 2 of 2

65913913

LASON
The Information Management Company

PERMIT #

B0001806



DESIGN LOADS - PER SOUTH FLORIDA BLDG. CODE (1988)

ELEV. FT.	COASTAL EXPOSURE			
	ALL BLDGS.	BLDGS. ≤ 60'	BLDGS. > 60'	END
0 - 5	24.2	24.6	28.6	41.8
5 - 15	29.7	30.2	35.1	51.3
15 - 25	36.3	37.0	42.9	62.7
25 - 35	40.7	41.4	48.1	70.3
35 - 45	45.1	45.9	53.3	77.9
45 - 55	48.6	49.4	57.8	84.4
55 - 75	55.0	55.9	63.7	95.0
75 - 100	60.5	61.4	69.6	104.5
100 - 150	69.3	70.2	79.4	119.7
150 - 250	79.3	80.2	90.4	139.7

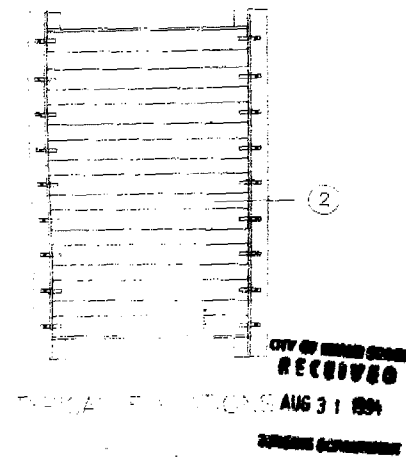
FOR ASCE 7-88 WIND LOAD REQUIREMENTS REFER TO SEPARATE TABLES

- GENERAL NOTES
- THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FL. BLDG. CODE 1988 EDITION FOR DADE COUNTY 1992 EDITION FOR BROWARD COUNTY ALSO FOR WIND LOADS AS PER ASCE 7-88 USING CORRESPONDING DADS.
 - DESIGN CRITERIA FOR ALUMINUM: MINIMUM MECHANICAL PROPERTIES & SAFETY FACTORS ARE IN ACCORDANCE WITH THE "ALUMINUM CONSTRUCTION MANUAL" LATEST EDITION.
 - ALUMINUM ALLOYS: ALL EXTRUSIONS SHALL BE ALLOY 6063-T6. PANELS SHALL BE ALLOY 3003-H14. STEEL PANEL MINIMUM YIELD STRENGTH = 40 KSI.
 - STEEL SURFACES TO BE PLACED IN CONTACT WITH ALUMINUM SHALL BE GIVEN ONE COAT OF ZINC CHROMATE PRIMER IN ACCORDANCE WITH FEDERAL SPEC. NO. TT-P-645, OR AN EQUIVALENT.
 - ANCHORS SHALL BE AS LISTED, SPACED AS PER CHARTS AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
 - ALL BOLTS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL OR ALUMINUM ALLOY 2024-T4 OR 7075-T6, OR PLATED STEEL.
 - THE DESIGN OF ANY PANEL AT A GIVEN ELEVATION SHALL COMPLY WITH THE TABLES PERTAINING TO THE EXPOSURE/ZONE.
 - DESIGN CRITERIA FOR PANELS: MAX DEFLECTION ≤ L/30 OR 2".
 - ANCHORING OR LOADING CONDITIONS OTHER THAN THOSE SHOWN ON THESE DETAILS ARE TO BE ENGINEERED SEPARATELY.

ANCHOR CHART TO USE

ANCHOR	CONC.	BLOCK	WOOD	CONC.	BLOCK	WOOD
A	1	2	3	4	5	6
B	1	2	3	4	5	6
C	1	2	3	4	5	6
D	1	2	3	4	5	6
E	1	2	3	4	5	6

- ANCHOR ① 4" TAPCON 1-3/4" EMBEDMENT TO CONCRETE 1-1/4" EMBEDMENT TO BLOCK
- ANCHOR ② 4 S.M.S. W/ RAWL SCRU-1600 INTO CONCRETE 1/2" EMBEDMENT.
- ANCHOR ③ 4" x 1-1/4" HILTI METAL HIT ANCHORS EMBEDMENT TO CONCRETE OR BLOCK
- ANCHOR ④ 4" RAWL CALK-IN, TOTAL ANCHOR BODY INTO CONCRETE
- ANCHOR ⑤ 4 S.M.S. INTO WOOD, 1-1/2" MIN. EMBEDMENT (S=0.47)
- NOTE: ANCHOR THE USE FULL EMBEDMENT IN CONCRETE BEYOND 1" (STUCCO, TRUSS, ETC.)



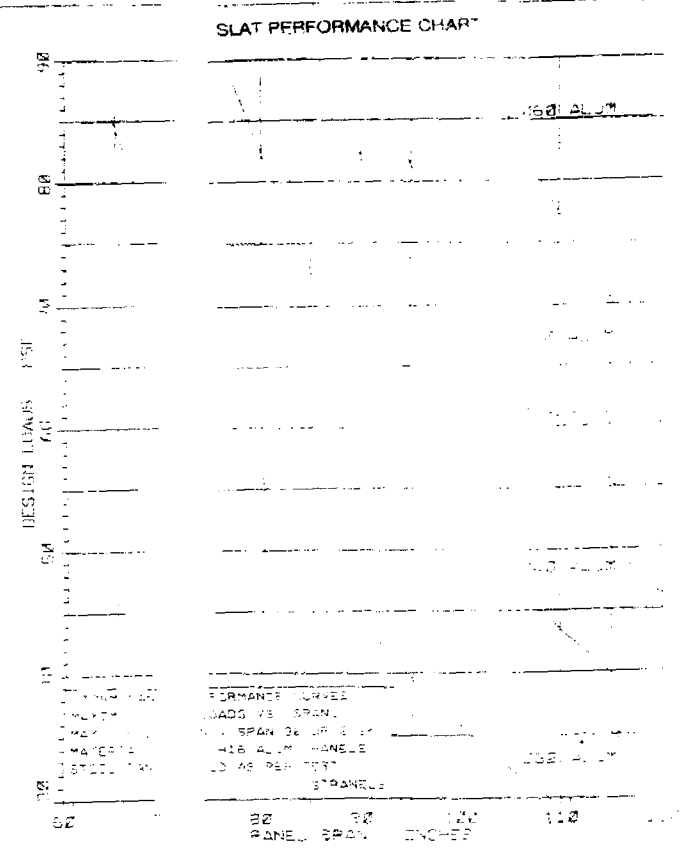
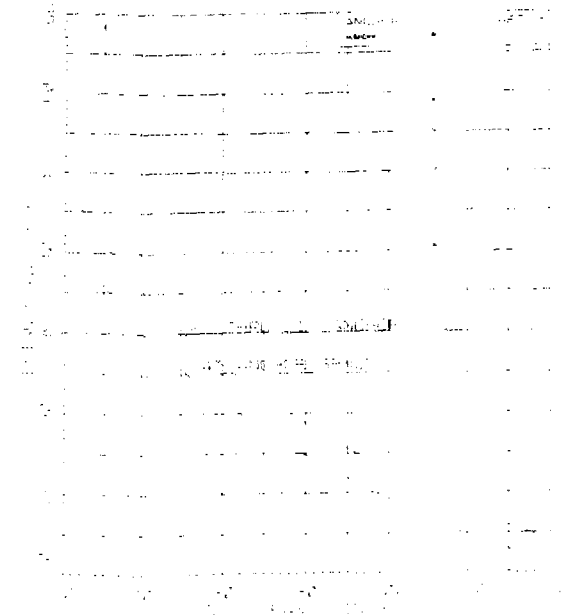
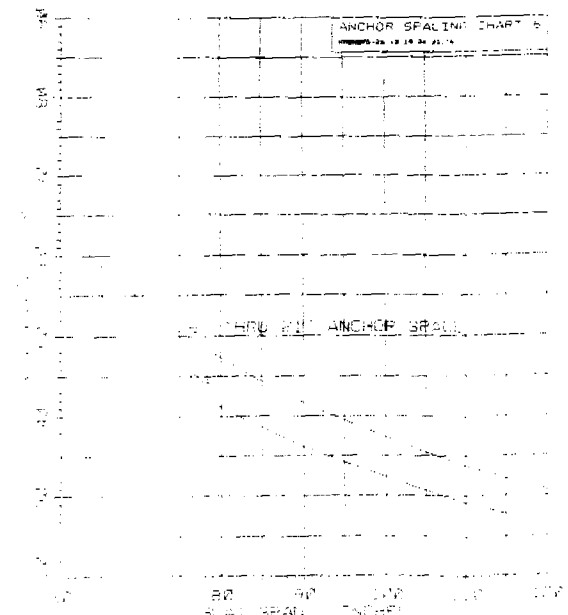
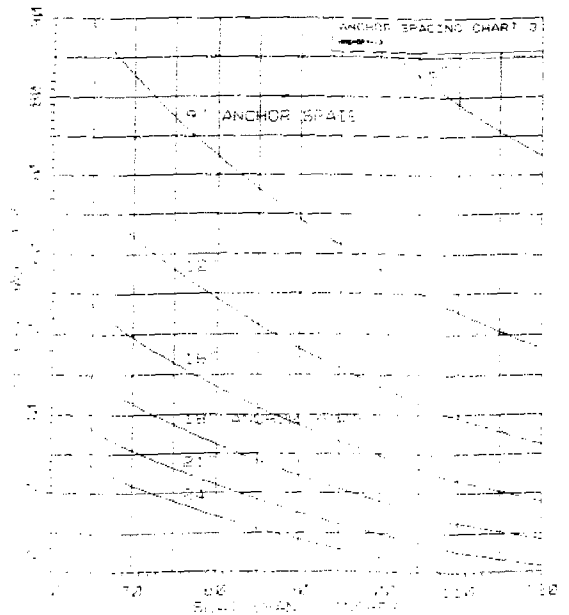
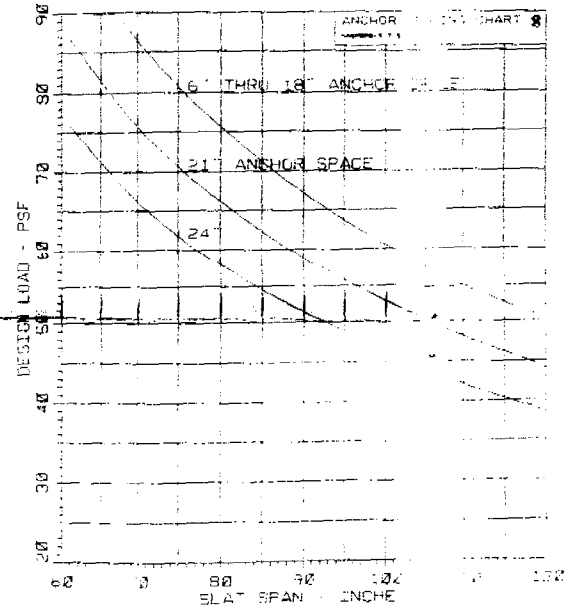
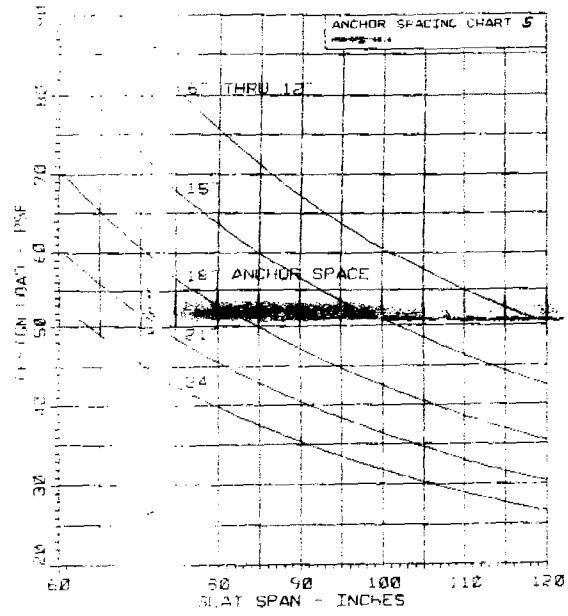
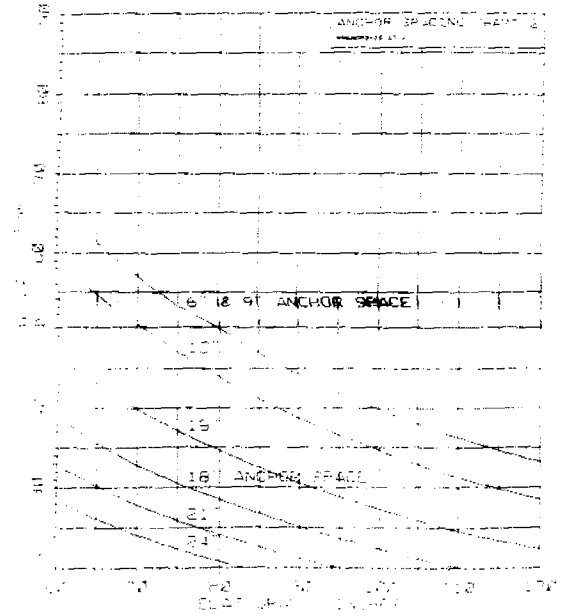
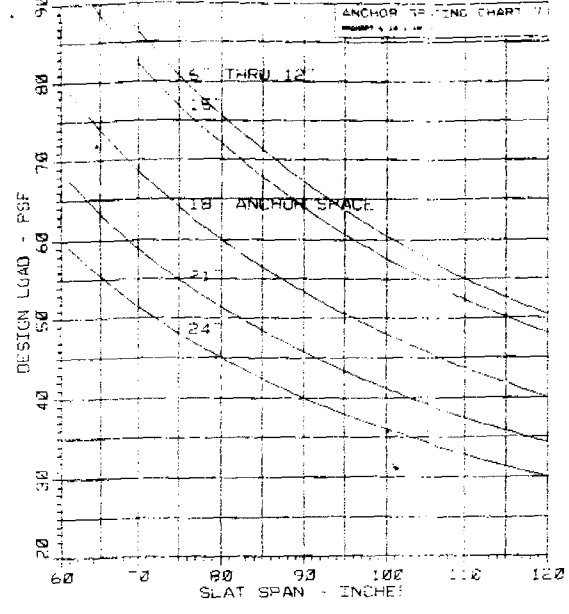
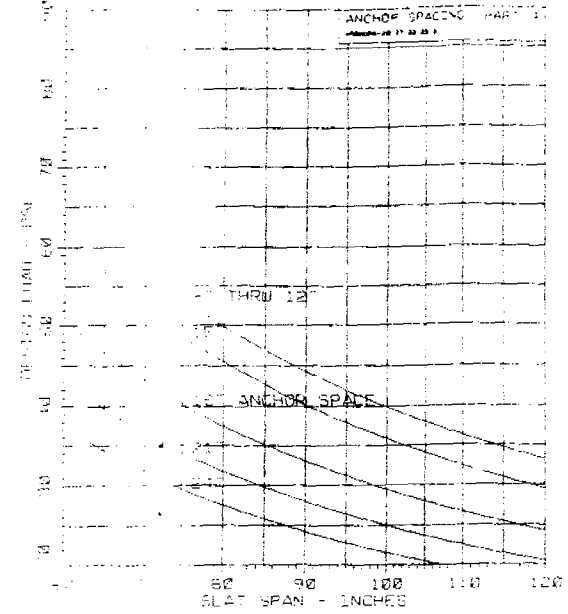
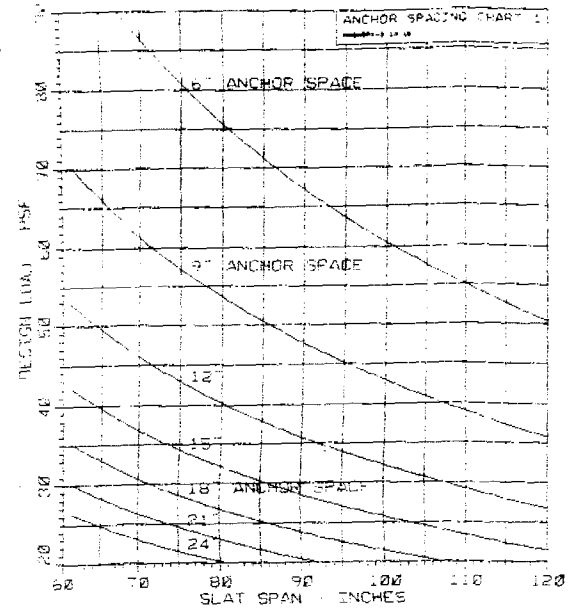
JOB COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:

DATE: 9/27/94
BY: [Signature]

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: 9/27/94
BY: [Signature]

DATE: 9/27/94
BY: [Signature]

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT TESTING
1235 SW 87 AVE
MIAMI, FLORIDA 33174
(305) 264-8100



ORIGINAL COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT
THE FOLLOWING

JOB COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT
THE FOLLOWING

ENGINEERING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING

ATTN: BUILDING DEPT.
DO NOT ACCEPT THIS PERMIT
W/O HOME-SHIELD INSPECTION
RAISED CORPORATE SEAL

JUL 7, 1984

B2043518

(3)
B0001806

~~2581 Lake Ave. Sunset 2.~~
2581 Lake Ave. Sunset 2.

2581 LAKE AVE. SUNSET II
5607225

B0001806
2581 LAKE AVE.

B0001806

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2nd
The word "unimpaired" is spelled as I was in school
with lower "U". I don't know if it's
the same person who wrote the book or not.
I'm pretty sure it's the same one.

-H.F.

[illegible]

08/06/1968 By "NONET" Agent FOI 00110406
WFO: J. T. [unclear]



PERMIT #

B0303930

38

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

PRODUCT CONTROL NOTICE OF ACCEPTANCE
Hurst Awning Co., Inc.
6845 NW 36th Street
Miami, FL 33147

MIAMI-DADE COUNTY, FLORIDA
BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1403
MIAMI, FLORIDA 33136-1403
(305) 375-2701 FAX (305) 375-2708
(305) 375-2701 FAX (305) 375-2708
CONTRACTOR LICENSING SECTION
(305) 375-2707 FAX (305) 375-2708
INSPECTION DIVISION
(305) 375-2708 FAX (305) 375-2708

Your application for Notice of Acceptance (NOA) of:
28 ga. Steel Storm Panel System
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 accept this product or material at any time from a job site or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may require, 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.: 01-122-1.01
EXPIRES: 02/16/2007

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

This application for Product Approval has been reviewed by the Building Code and Product Review Committee to be used in Miami-Dade County.

**City of Miami Beach
Building Department
Shutter Permit
OFFICE COPY**

Review Type	Initials	Date
Building	MS	1/19/07
Zoning	JS	1/19/07

APPROVED: 01-122-1.01

303930

REVIEWED FOR CODE COMPLIANCE
Section 104.5.3

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

Internet web address: <http://www.bccco.com>

Hurst Awning Company, Inc.

ACCEPTANCE No.: 01-122-1.01
APPROVED: January 31, 2007
EXPIRES: February 16, 2007

NOTICE OF ACCEPTANCE - SPECIFIC CONDITIONS

1. **SCOPE**
1.1 This Notice of Acceptance (NOA) No. 01-122-1.01, which was issued on November 22, 2006, it reserves the approval of an aluminum fixed window, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. **PRODUCT DESCRIPTION**
2.1 The 28 Gauge Galvanized Steel Storm Panel Shutter and its components shall be constructed in strict compliance with the following documents: Drawing No. 98-218, Sheets 1 through 8 of 8, titled "20 Ga. Steel Storm Panel," prepared by Knevezich & Associates, Inc., dated 9/10/98 and revised on 2/4/99, bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. **LIMITATIONS**
3.1 All permanent set components, included but not limited to embedded anchor bolts, threaded cones, metal shields, headers and sills, must be protected against corrosion, contamination and damage at all times.

4. **INSTALLATION**
4.1 The 28 gauge galvanized steel storm panels shutter and its components shall be installed in strict compliance with the approved drawings.

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

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

Raul Rodriguez, Chief
Product Control Division

Hurst Awning Company, Inc.

ACCEPTANCE No.: 01-122-1.01
APPROVED: January 31, 2007
EXPIRES: February 16, 2007

NOTICE OF ACCEPTANCE - STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.

2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.

3. Renewals of Acceptance will not be considered if:
a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code 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 preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.

7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not resubmit the copies.

8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.

9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.
END OF THIS ACCEPTANCE

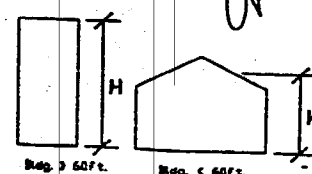
Raul Rodriguez, Chief
Product Control Division

38

Site Specific: Wind Loads
(Based on data from Encl. 5)

(Based on data from E-11, 5-1-64)

- Client Ref:**



10/10/2007

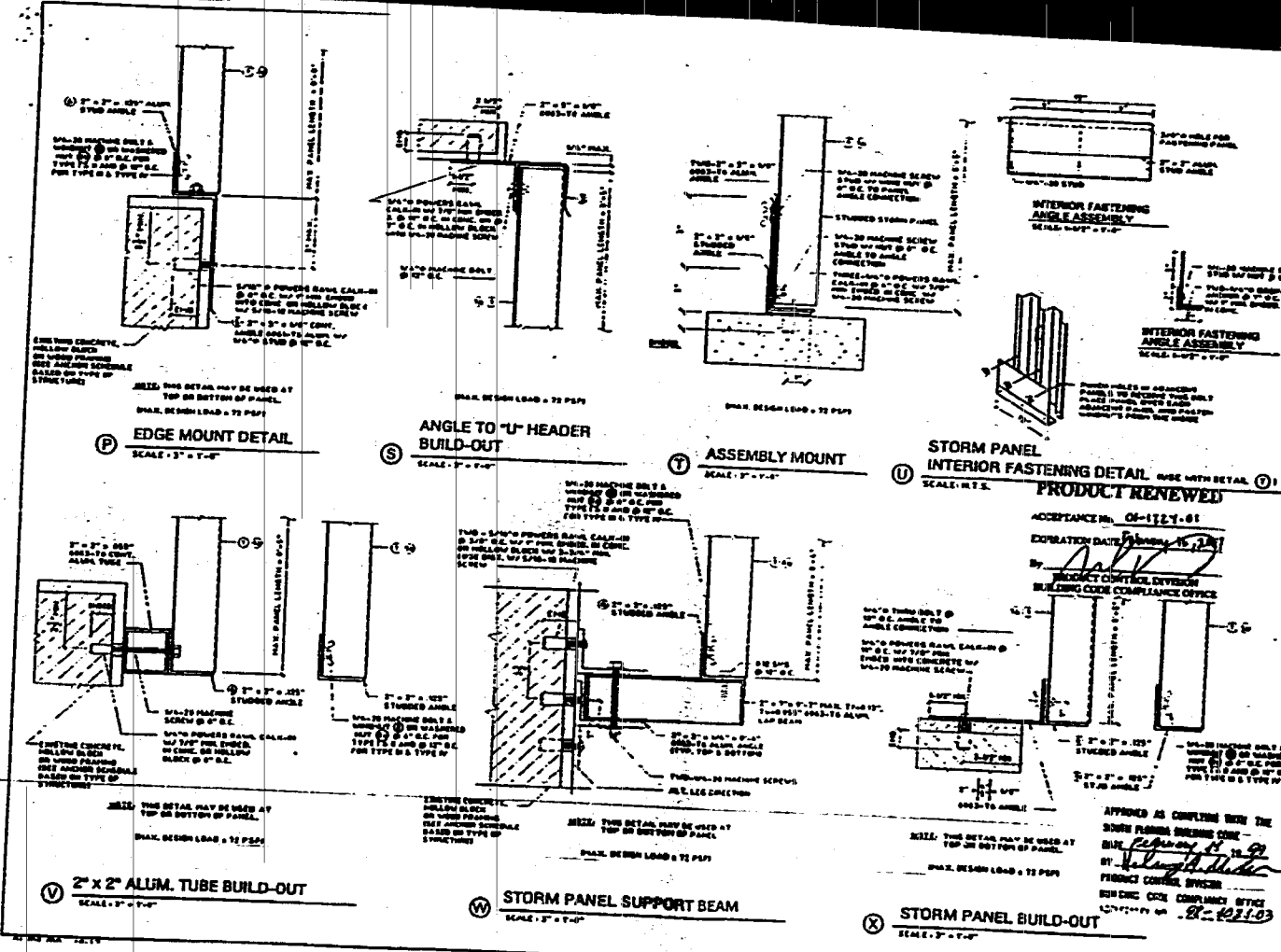
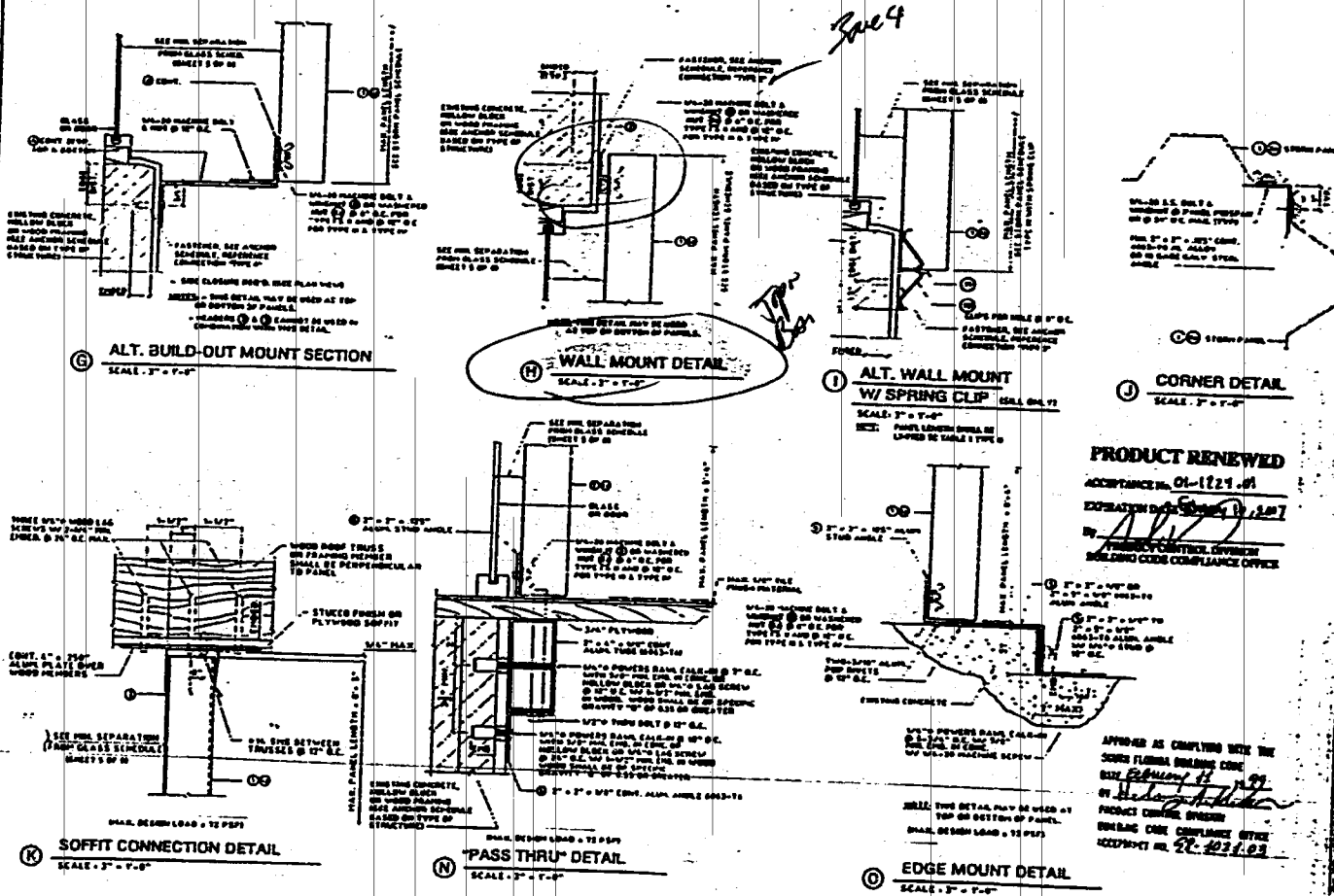
TRINCH INCORPORATED 2801 LAKE AVE MIAMI BEACH, FL		COLLATERAL INFORMATION 		Wind Speed Input Importance Factor Exposure Category		1.00 1.00 C	Shore Wind Height (ft) (H) Height Above Ground Level (ft) (H) Horizontal Diameter of Bluff (ft) Roof Slope (deg.) Type of Building		25.00 25.00 80.00 >10 With Impact Protection
Coastline Kit 0.95	Coastline Kit 1.00	Coastline Kit 0.95	Coastline Kit 1.00	Coastline Kit 1.00		Coastline Kit 1.00			
Vehicle Pressure Evaluated (Qr) (psf) (psf-2) 51.84		Vehicle Pressure Evaluated (Qr) (psf) (psf-2) 51.84		Vehicle Pressure Evaluated (Qr) (psf) (psf-2) 51.84		Vehicle Pressure Evaluated (Qr) (psf) (psf-2) 51.84			

Wind	Cladding Type	Component Size			Grip Coefficients			Grip Coeff.			Design Wind Pressure (psf-2)			In Zone
		W (ft)	H (ft)	S (ft)	A1P2	Z4+	Z5+	Z6+	Zone	Zone	Zone	Zone		
1	St Panel	76.00	14.06	0.97	0.97	-1.07	-1.20	0.18	-0.18	58.8	-58.8	58.8	-79.2	25
2, 5, 6, 10, 18	Panel	76.00	1.00	1.00	-1.10	-1.40	0.18	-0.18	61.2	-61.2	61.2	-91.8	24	
3, 5, 6, 10, 18	Panel	76.00	1.00	1.00	-1.10	-1.40	0.18	-0.18	61.2	-61.2	61.2	-91.8	24	
4, 7	St Panel	79.00	14.06	0.97	0.97	-1.07	-1.24	0.18	-0.18	58.7	-58.7	58.7	-79.8	25
9	St Panel	76.00	18.34	0.95	0.95	-1.05	-1.31	0.18	-0.18	58.8	-58.8	58.8	-77.1	25
9	11.12, 14.06 Panel	76.00	18.34	0.95	0.95	-1.05	-1.31	0.18	-0.18	58.8	-58.8	58.8	-77.1	24
9, 15, 18, 20	Panel	76.00	1.00	1.00	-1.10	-1.40	0.18	-0.18	61.2	-61.2	61.2	-91.8	25	
16, 17	St Panel	86.00	17.83	0.90	0.90	-1.00	-1.21	0.18	-0.18	58.9	-58.9	58.9	-77.3	25
19, 20	St Panel	76.00	1.00	1.00	-1.10	-1.40	0.18	-0.18	61.2	-61.2	61.2	-91.8	24	

ARCH 7-10 BRIND LEADS ON COMPONENTS AND CLADDING / AL-FAROOQ CORPORATION, 7235 S.W. 87th AVE, MIAMI FL 33174, TEL:305-254-5100

06/2003 10:34:17 AM

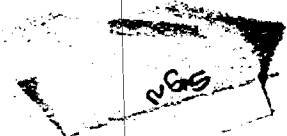
Engineers Seal Engineers Name And Signature Designer Date Designer Reference Number



B0303930

2581 LAKE AVE

SUNSET 8





BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
MIAMI-DADE FLAGLER BUILDING
WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Smith Mountain Impact Systems by Pande Pane
11305 N.W. 128 Street
Medley, FL 33178

SCOPE:

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

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

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

DESCRIPTION: Series "SMI-175" Aluminum Window Wall System - L.M.I.

APPROVAL DOCUMENT: Drawing No. W03-64, titled "Series SMI-175 Aluminum Window Wall (L.M.I.)", sheets 1 through 8 of 8, dated 08/11/2003 with revision c dated 09/26/2007, prepared by Al Farooq Corporation, DATED 06/08/2007, signed and sealed by Humayoun Farooq, P.E. including the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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

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

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or 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 and renews** NOA # 03-0925.01 and 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 **Jaime D. Gascon, P.E.**



J. Gascon
10/24/07

NOA No. 07-0924.02
Expiration Date: November 21, 2012
Approval Date: November 15, 2007
Page 1

Smith Mountain Impact Systems by Pande Pane

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-64**, titled "Series SMI-175 Aluminum Window Wall (L.M.I.)", sheets 1 through 8 of 8, dated 08/11/2003 with revision c dated 09/26/2005, prepared by Al-Farooq Corporation, DATED 06/08/2007, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 3721** dated 03/26/2003, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA#03-0925.01)
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 3833** dated 08/05/2003, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA#03-0925.01)
3. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 3465** dated 7/17/2002, signed and sealed by James Worth, P.E.
(Submitted under NOA#03-0925.01)



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 07-0924.02

Expiration Date: November 21, 2012
Approval Date: November 15, 2007

Smith Mountain Impact Systems by Pande Pane

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 06/08/2007, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1300-02

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

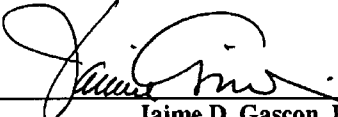
1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex III Clear or colored Interlayer**" dated 05/04/2006, expiring on 05/21/2011.
2. Notice of Acceptance No. **03-1117.05** issued to Surface Specialties, Inc. for their "**Uvekols - Liq. Resin to adhere Glass**" dated 01/29/2004, expiring on 02/08/2009.

F. STATEMENTS

1. Statement letter of conformance, no financial interest and independent, dated 04/26/2007, signed and sealed by Humayoun Farooq, P.E.
2. Laboratory compliance letter for Test Report no. FTL 02051, issued by Fenestration Testing Laboratory, Inc., dated 8/8/02, signed and sealed by James Worth, P.E.
(Submitted under NOA#03-0925.01)
3. Laboratory compliance letter for Test Report no. FTL 3721 issued by Fenestration Testing Laboratory, Inc., dated 4/15/03, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA#03-0925.01)
4. Laboratory compliance letter for Test Report no. FTL 3833 issued by Fenestration Testing Laboratory, Inc., dated 8/7/03, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA#03-0925.01)

G. OTHER

1. Notice of Acceptance No. **03-0925.01**, issued to Smith Mountain Impact Systems by Pande Pane for their Series "SMI-175 Aluminum Window Wall (L.M.I.)", approved on 12/04/2003 and expiring on 11/21/2007.



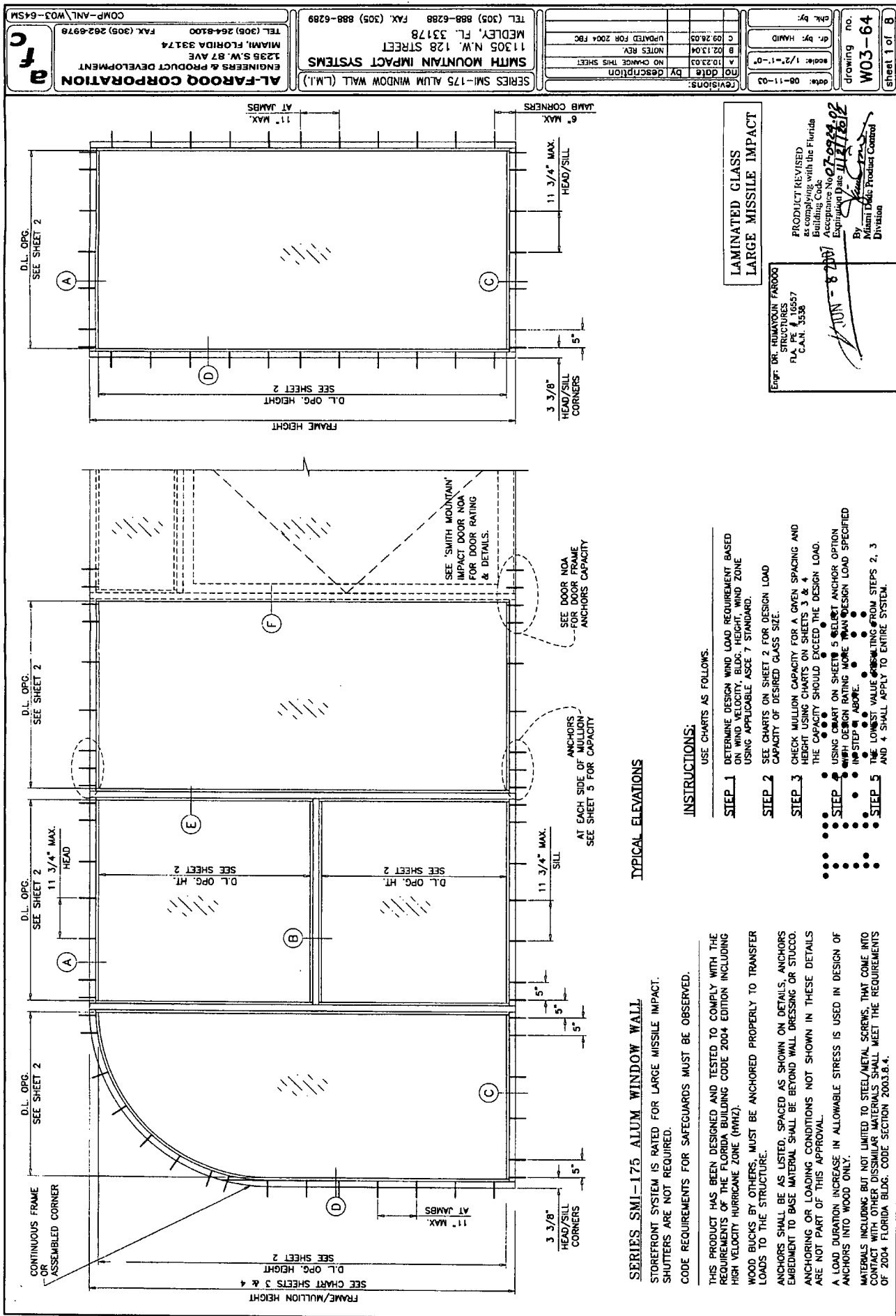
Jaime D. Gascon, P.E.

Chief, Product Control Division

NOA No. 07-0924.02

Expiration Date: November 21, 2012

Approval Date: November 15, 2007



TYPICAL ELEVATIONS

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

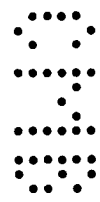
- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 3 & 4. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHART ON SHEET 5 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 3 ABOVE.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

SERIES SMI-175 ALUM. WINDOW WALL
 STOREFRONT SYSTEM IS RATED FOR LARGE MISSILE IMPACT.
 SHUTTERS ARE NOT REQUIRED.
 CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

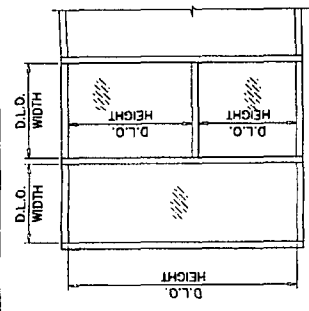
THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
 WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
 ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
 A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
 MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.

**LAMINATED GLASS
 LARGE MISSILE IMPACT**

Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 6557
 C.A.N.T. 3536
 JUN - 8 2007
 07-0954-02
 11/21/02
 PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0954-02
 Expiration Date 11/21/12
 By *[Signature]*
 Miami Data Product Control
 Division

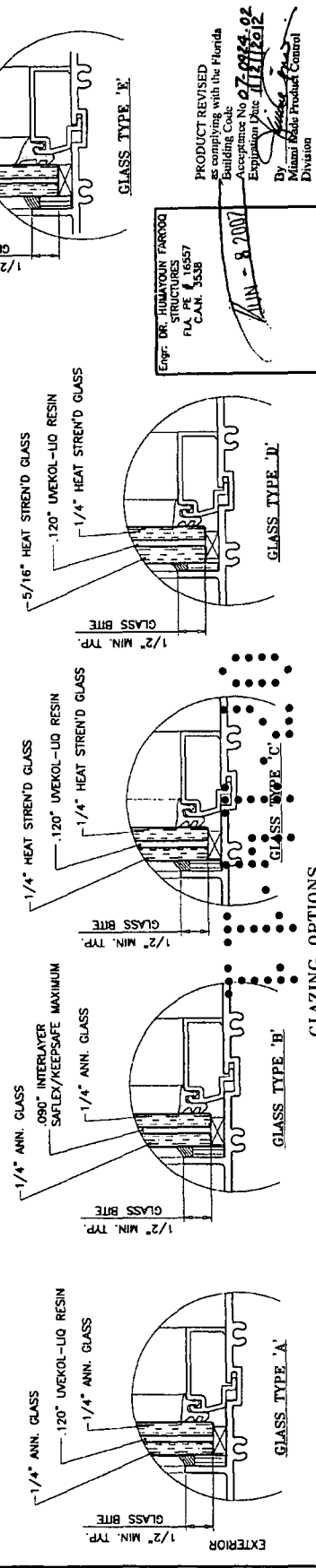


AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL (305) 264-8100 FAX (305) 262-6978 COMP-ANL\W03-64-SM		SMITH MOUNTAIN IMPACT SYSTEMS 11305 N.W. 128 STREET MEDLEY, FL 33178 TEL (305) 888-6288 FAX (305) 888-6289		REVISIONS: NO. DATE BY DESCRIPTION A 10/23/03 NO CHANGE THIS SHEET B 02/13/04 NOTES REV. C 09/26/05 UPDATED FOR 2004 FBC	chg. by: HAMID dr. by: HAMID scale: 1/2"=1'-0" date: 08-11-03 drawing no. W03-64 sheet 1 of 8
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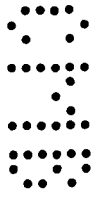


NOMINAL DIMS.		GLASS LOAD CAPACITY - PSF											
		GLASS TYPE 'A'			GLASS TYPE 'B'			GLASS TYPE 'C'			GLASS TYPE 'D'		
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) / INT. (-)	EXT. (+) / INT. (-)	EXT. (+) / INT. (-)	EXT. (+) / INT. (-)	EXT. (+) / INT. (-)	EXT. (+) / INT. (-)	EXT. (+) / INT. (-)	EXT. (+) / INT. (-)	EXT. (+) / INT. (-)	EXT. (+) / INT. (-)	EXT. (+) / INT. (-)	EXT. (+) / INT. (-)
20"	20"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
26"	26"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
32"	32"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
38"	38"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
44"	44"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
50"	50"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
56"	56"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
60"	60"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
66"	66"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
20"	20"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
26"	26"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
32"	32"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
38"	38"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
44"	44"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
50"	50"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
56"	56"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
60"	60"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
66"	66"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
20"	20"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
26"	26"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
32"	32"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
38"	38"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
44"	44"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
50"	50"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
56"	56"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
60"	60"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
66"	66"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
20"	20"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
26"	26"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
32"	32"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
38"	38"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
44"	44"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
50"	50"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
56"	56"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
60"	60"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
66"	66"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
20"	20"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
26"	26"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
32"	32"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
38"	38"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
44"	44"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
50"	50"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
56"	56"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
60"	60"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0
66"	66"	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	100.0	100.0	90.0

NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02 (3 SEC. GUSTS).



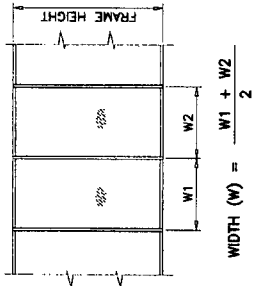
GLAZING OPTIONS



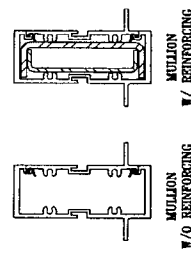
PRODUCT REVISED
as complying with the Florida
Building Code
Expiry Date: 07-09-02
By: [Signature]
Division: Miami Code Product Control

DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557
C.A.N. 3538

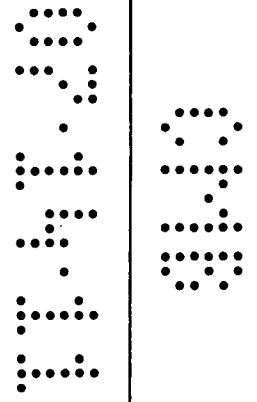
JUN - 8 2007



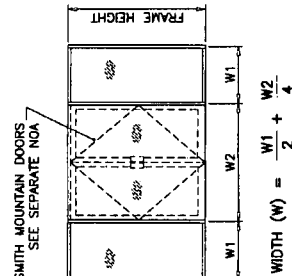
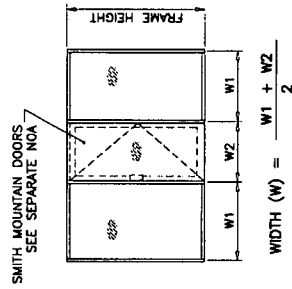
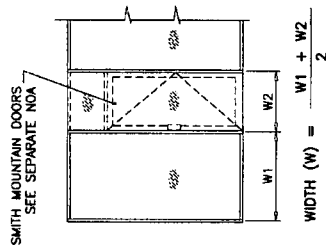
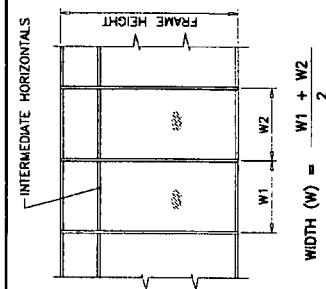
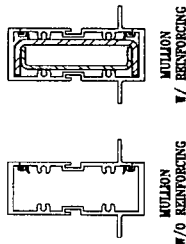
MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	108"	100.0	100.0	100.0	120.0
30"		90.3	90.3	100.0	120.0
36"		76.3	76.3	100.0	120.0
42"		66.5	66.5	100.0	119.9
48"		59.3	59.3	90.0	100.0
54"	114"	-	-	90.0	99.2
60"		-	-	90.0	99.2
66"		-	-	90.0	92.5
24"	120"	94.7	94.7	100.0	120.0
30"		76.5	76.5	100.0	120.0
36"		64.6	64.6	100.0	120.0
42"		56.2	56.2	100.0	100.0
48"		-	-	90.0	100.0
54"	120"	-	-	90.0	96.0
60"		-	-	90.0	88.0
66"		-	-	81.1	81.1
24"	120"	81.1	81.1	100.0	120.0
30"		65.4	65.4	100.0	120.0
36"		55.1	55.1	100.0	120.0
42"		47.9	47.9	90.0	100.0
48"		-	-	90.0	95.3
54"	120"	-	-	85.9	85.9
60"		-	-	78.7	78.7
66"		-	-	-	-



MULLION LOAD CAPACITY - PSF WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	72"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"	78"	100.0	100.0	100.0	120.0
60"		100.0	100.0	90.0	100.0
66"		100.0	100.0	90.0	100.0
24"	84"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"	90"	100.0	100.0	100.0	119.9
60"		99.9	99.9	90.0	100.0
66"		99.9	99.9	90.0	100.0
24"	96"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"	102"	90.2	90.2	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	108"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"	114"	84.9	84.9	90.0	100.0
60"		77.3	77.3	90.0	100.0
66"		-	-	90.0	100.0
24"	120"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"	120"	91.1	91.1	100.0	120.0
60"		79.5	79.5	100.0	120.0
66"		71.1	71.1	90.0	100.0
24"	120"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"	120"	90.0	90.0	90.0	100.0
60"		90.0	90.0	90.0	100.0
66"		90.0	90.0	90.0	100.0



MULLION LOAD CAPACITY - PSF				MULLION LOAD CAPACITY - PSF			
WITH INTERMEDIATE HORIZONTALS				WITH INTERMEDIATE HORIZONTALS			
NOMINAL DIMS.	EXT.(+)	INT.(+)	INT.(-)	NOMINAL DIMS.	EXT.(+)	INT.(+)	INT.(-)
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(+)	WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(+)
24"	100.0	100.0	100.0	24"	100.0	100.0	100.0
30"	100.0	100.0	100.0	30"	100.0	100.0	100.0
36"	100.0	100.0	100.0	36"	100.0	100.0	100.0
42"	100.0	100.0	100.0	42"	100.0	100.0	100.0
48"	100.0	100.0	100.0	48"	100.0	100.0	100.0
54"	100.0	100.0	100.0	54"	100.0	100.0	100.0
60"	100.0	100.0	100.0	60"	100.0	100.0	100.0
66"	100.0	100.0	100.0	66"	100.0	100.0	100.0
24"	100.0	100.0	100.0	24"	100.0	100.0	100.0
30"	100.0	100.0	100.0	30"	100.0	100.0	100.0
36"	100.0	100.0	100.0	36"	100.0	100.0	100.0
42"	100.0	100.0	100.0	42"	100.0	100.0	100.0
48"	100.0	100.0	100.0	48"	100.0	100.0	100.0
54"	100.0	100.0	100.0	54"	100.0	100.0	100.0
60"	100.0	100.0	100.0	60"	100.0	100.0	100.0
66"	100.0	100.0	100.0	66"	100.0	100.0	100.0
24"	100.0	100.0	100.0	24"	100.0	100.0	100.0
30"	100.0	100.0	100.0	30"	100.0	100.0	100.0
36"	100.0	100.0	100.0	36"	100.0	100.0	100.0
42"	100.0	100.0	100.0	42"	100.0	100.0	100.0
48"	100.0	100.0	100.0	48"	100.0	100.0	100.0
54"	100.0	100.0	100.0	54"	100.0	100.0	100.0
60"	100.0	100.0	100.0	60"	100.0	100.0	100.0
66"	100.0	100.0	100.0	66"	100.0	100.0	100.0
24"	100.0	100.0	100.0	24"	100.0	100.0	100.0
30"	100.0	100.0	100.0	30"	100.0	100.0	100.0
36"	100.0	100.0	100.0	36"	100.0	100.0	100.0
42"	100.0	100.0	100.0	42"	100.0	100.0	100.0
48"	100.0	100.0	100.0	48"	100.0	100.0	100.0
54"	100.0	100.0	100.0	54"	100.0	100.0	100.0
60"	100.0	100.0	100.0	60"	100.0	100.0	100.0
66"	100.0	100.0	100.0	66"	100.0	100.0	100.0
24"	100.0	100.0	100.0	24"	100.0	100.0	100.0
30"	100.0	100.0	100.0	30"	100.0	100.0	100.0
36"	100.0	100.0	100.0	36"	100.0	100.0	100.0
42"	100.0	100.0	100.0	42"	100.0	100.0	100.0
48"	100.0	100.0	100.0	48"	100.0	100.0	100.0
54"	100.0	100.0	100.0	54"	100.0	100.0	100.0
60"	100.0	100.0	100.0	60"	100.0	100.0	100.0
66"	100.0	100.0	100.0	66"	100.0	100.0	100.0



Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Exception No. 07-0924-02
Expiration Date: 11/17/2012
By: [Signature]
Miami Trade Product Control
Division

3430

3430

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL W03-64SM

SMITH MOUNTAIN IMPACT SYSTEMS
11305 N.W. 128 STREET
MEDLEY, FL 33178
TEL (305) 888-6288 FAX (305) 888-6289

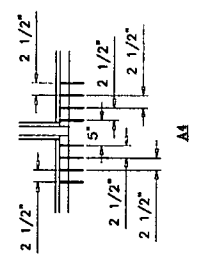
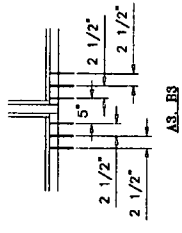
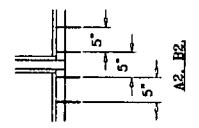
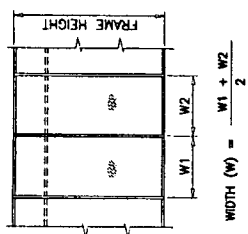
REVISIONS:
no. date by description
c 09.26.05 SHEET ADDED

chk. by: HAMID
d. by: HAMID
scale: 1/2"=1'-0"
date: 08-11-03
drawing no. W03-64
sheet 4 of 8

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)									
NOMINAL DIMS.		ANCHORS TYPE 'A'				ANCHORS TYPE 'B'			
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	A5	B2	B3	B4	B5
24"	108"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30"		100.3	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		83.6	120.0	120.0	120.0	117.0	120.0	120.0	120.0
42"		71.6	107.4	120.0	120.0	100.3	120.0	120.0	120.0
48"		62.7	94.0	120.0	120.0	87.8	120.0	120.0	120.0
54"	114"	55.7	83.6	111.4	78.0	117.0	120.0	120.0	120.0
60"		50.1	75.2	100.3	70.2	105.3	120.0	120.0	120.0
66"		45.6	68.4	91.2	63.8	95.8	120.0	120.0	120.0
72"		118.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0
78"		95.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"	120"	79.2	118.7	120.0	110.9	120.0	120.0	120.0	120.0
90"		67.8	101.8	120.0	95.0	120.0	120.0	120.0	120.0
96"		59.4	89.1	118.7	83.2	120.0	120.0	120.0	120.0
102"		52.8	79.2	105.5	73.9	110.9	120.0	120.0	120.0
108"		47.5	71.2	95.0	66.5	99.8	120.0	120.0	120.0
114"	126"	112.8	120.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		90.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0
126"		75.2	112.8	120.0	105.3	120.0	120.0	120.0	120.0
132"		64.5	96.7	120.0	90.3	120.0	120.0	120.0	120.0
138"		58.4	84.6	112.8	79.0	118.5	120.0	120.0	120.0
144"	132"	50.1	75.2	100.3	70.2	105.3	120.0	120.0	120.0
150"		45.1	67.7	90.2	63.2	94.8	120.0	120.0	120.0
156"		40.1	59.2	80.2	55.2	84.8	120.0	120.0	120.0
162"		35.1	51.7	70.2	49.2	74.8	120.0	120.0	120.0
168"		30.1	44.2	60.2	43.2	64.8	120.0	120.0	120.0

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)									
NOMINAL DIMS.		ANCHORS TYPE 'A'				ANCHORS TYPE 'B'			
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	A5	B2	B3	B4	B5
24"	72"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42"		107.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		94.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54"	78"	83.6	120.0	120.0	117.0	120.0	120.0	120.0	120.0
60"		75.2	112.8	120.0	105.3	120.0	120.0	120.0	120.0
66"		68.4	102.5	120.0	95.8	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
78"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"	84"	115.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0
90"		98.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		86.8	120.0	120.0	120.0	120.0	120.0	120.0	120.0
102"		77.1	115.7	120.0	108.0	120.0	120.0	120.0	120.0
108"		69.4	104.1	120.0	97.2	120.0	120.0	120.0	120.0
114"	88"	63.1	94.7	120.0	88.4	120.0	120.0	120.0	120.0
120"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
126"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
132"		107.4	120.0	120.0	120.0	120.0	120.0	120.0	120.0
138"		92.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0
144"	90"	80.6	120.0	120.0	112.9	120.0	120.0	120.0	120.0
150"		71.6	107.4	120.0	100.3	120.0	120.0	120.0	120.0
156"		64.5	96.7	120.0	90.3	120.0	120.0	120.0	120.0
162"		58.4	84.6	112.8	79.0	118.5	120.0	120.0	120.0
168"		50.1	75.2	100.3	70.2	105.3	120.0	120.0	120.0
174"	96"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
180"		112.8	120.0	120.0	120.0	120.0	120.0	120.0	120.0
186"		94.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
192"		80.6	120.0	120.0	112.9	120.0	120.0	120.0	120.0
198"		70.5	105.6	120.0	98.8	120.0	120.0	120.0	120.0
204"	102"	62.7	94.0	120.0	87.8	120.0	120.0	120.0	120.0
210"		56.4	84.6	112.8	79.0	118.5	120.0	120.0	120.0
216"		51.3	76.9	102.5	71.8	107.7	120.0	120.0	120.0
222"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
228"		106.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0
234"	108"	88.5	120.0	120.0	120.0	120.0	120.0	120.0	120.0
240"		75.8	113.7	120.0	106.2	120.0	120.0	120.0	120.0
246"		66.4	99.5	120.0	92.9	120.0	120.0	120.0	120.0
252"		59.0	88.5	118.0	82.6	120.0	120.0	120.0	120.0
258"		53.1	79.6	106.2	74.4	111.5	120.0	120.0	120.0
264"	114"	48.3	72.4	96.5	67.6	101.4	120.0	120.0	120.0
270"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
276"		112.8	120.0	120.0	120.0	120.0	120.0	120.0	120.0
282"		94.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
288"		80.6	120.0	120.0	112.9	120.0	120.0	120.0	120.0
294"	120"	70.5	105.6	120.0	98.8	120.0	120.0	120.0	120.0
300"		62.7	94.0	120.0	87.8	120.0	120.0	120.0	120.0
306"		56.4	84.6	112.8	79.0	118.5	120.0	120.0	120.0
312"		51.3	76.9	102.5	71.8	107.7	120.0	120.0	120.0
318"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
324"	126"	106.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0
330"		88.5	120.0	120.0	120.0	120.0	120.0	120.0	120.0
336"		75.8	113.7	120.0	106.2	120.0	120.0	120.0	120.0
342"		66.4	99.5	120.0	92.9	120.0	120.0	120.0	120.0
348"		59.0	88.5	118.0	82.6	120.0	120.0	120.0	120.0
354"	132"	53.1	79.6	106.2	74.4	111.5	120.0	120.0	120.0
360"		48.3	72.4	96.5	67.6	101.4	120.0	120.0	120.0
366"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
372"		112.8	120.0	120.0	120.0	120.0	120.0	120.0	120.0
378"		94.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0

ANCHORS TYPES: SEE SHEET 6 FOR DESCRIPTION
 A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
 B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION
 A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
 B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION
 A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
 ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.



Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 18557
 C.A.N. 3538

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 07-19-02
 Expiration Date: 11/1/2007
 By: [Signature]
 Division

JUN - 8 2007

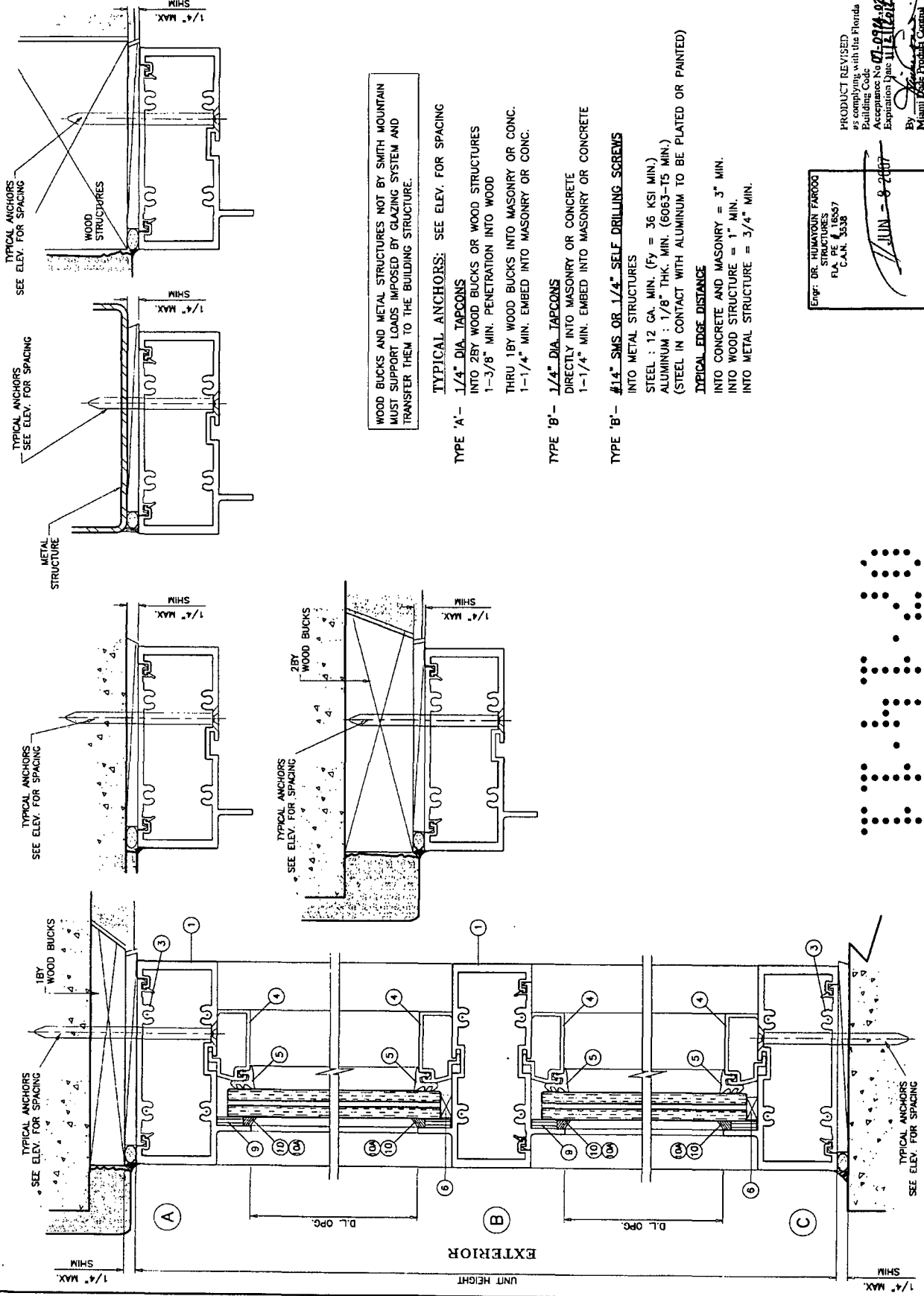
sheet 5 of 8
 W03-64
 drawing no.

revisions:	date	by	description
A	10.23.03		NO CHANGE THIS SHEET
B	02.13.04		CHART REV.
C	09.26.05		CHART REV.

SERIES SMI-175 ALUM WINDOW WALL (L.M.I.)
 SMITH MOUNTAIN IMPACT SYSTEMS
 11305 N.W. 128 STREET
 MEDLEY, FL 33178
 TEL (305) 888-6288 FAX (305) 888-6289

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1238 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL (305) 264-8100 FAX (305) 262-6978
 COMP-AVL-W03-64-SM

AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL (305) 264-8100 FAX (305) 262-6978 COMP-ANL\W03-64SM		SMITH MOUNTAIN IMPACT SYSTEMS 11305 N.W. 128 STREET MEDLEY, FL 33178 TEL (305) 888-6288 FAX (305) 888-6289		REVISIONS: NO. 102.03 BY DESCRIPTION NO. 102.04 NO CHANGE THIS SHEET NO. 09.26.05 ANCHORS REV.	CHK. BY: HAMD DATE: 08-11-03 SCALE: 1/2" = 1" DRAWING NO. W03-64 SHEET 6 OF 8
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1236 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-9978

SMITH MOUNTAIN IMPACT SYSTEMS
11305 N.W. 128 STREET
MEDLEY, FL 33178
TEL (305) 888-6288 FAX (305) 888-6289

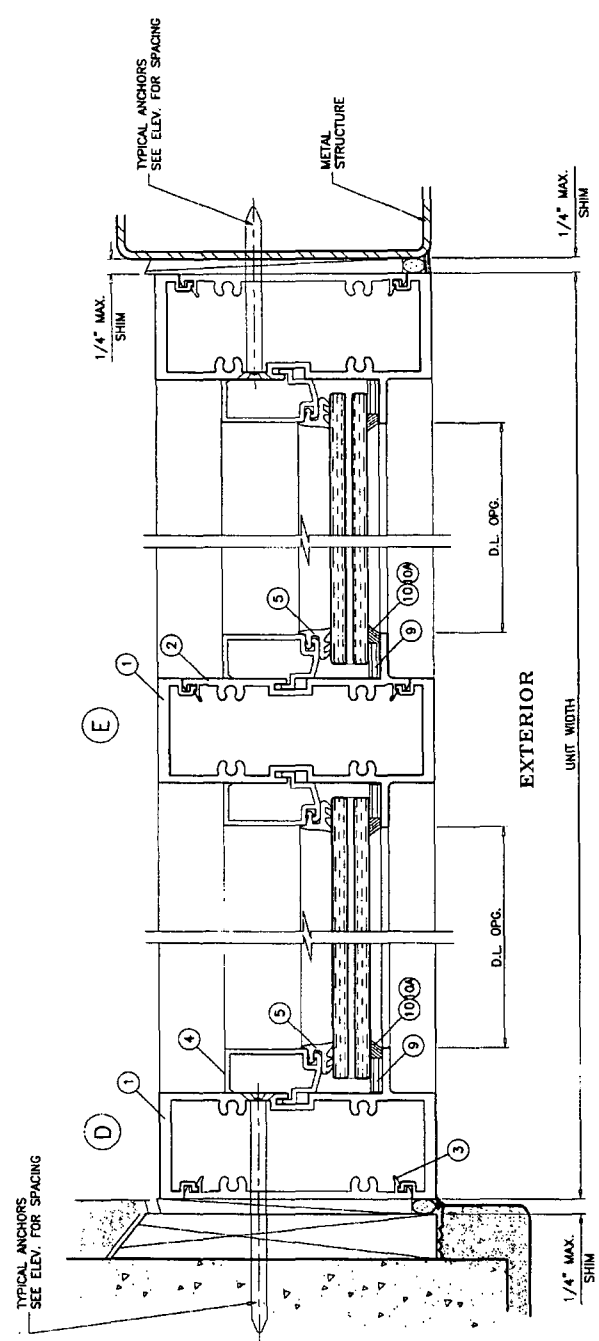
COMP-ANL\W03-64SM

REVISIONS:

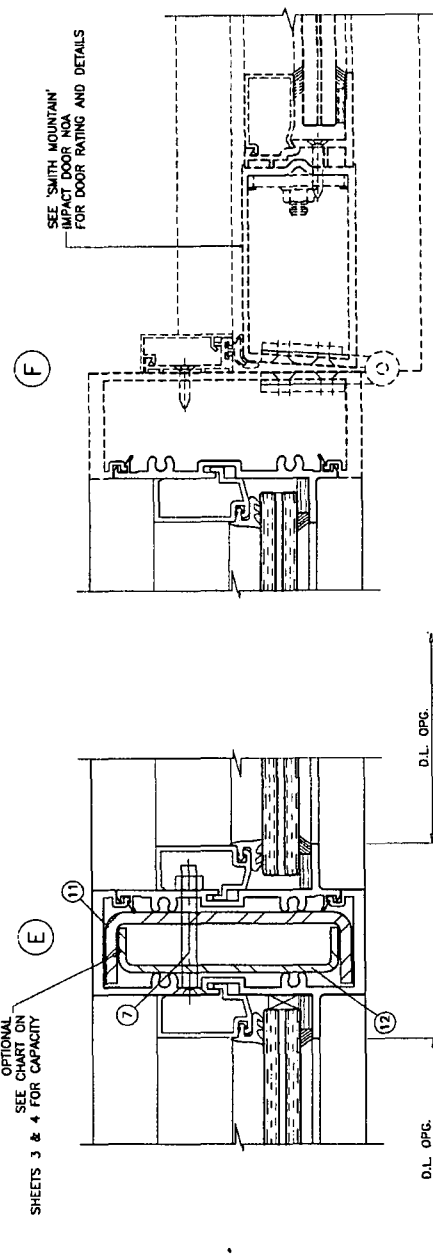
NO	DATE	BY	DESCRIPTION
A	10/23/03		GLAZING COMPOUND 10A ADDED
B	02/13/04		NO CHANGE THIS SHEET
C	09/26/05		ANCHORS REV.

CHK. BY: HAMD
DR. BY: HAMD
SCALE: 1/2" = 1'-0"
DATE: 08-11-03

DRAWING NO. **W03-64**
SHEET 7 OF 8



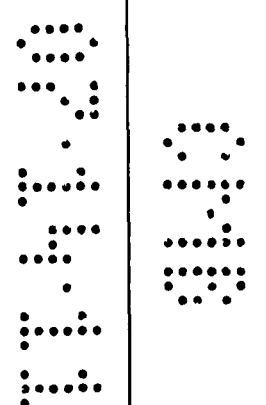
FULL LENGTH REINFORCING
OPTIONAL
SEE CHART ON
SHEETS 3 & 4 FOR CAPACITY

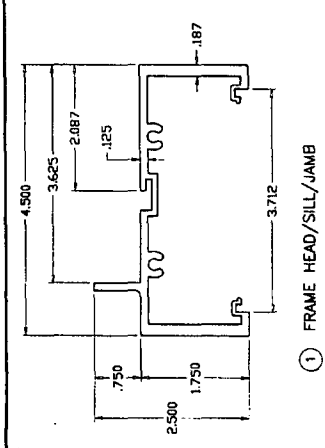


SEE 'SMITH MOUNTAIN'
IMPACT SYSTEMS
FOR DOOR RATING AND DETAILS

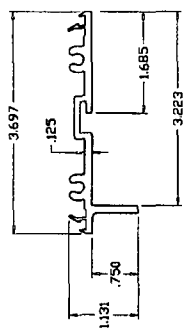
ENGR. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16537
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **07-0924-OR**
Expiration Date **11/11/2012**
By *[Signature]*
Miami-Dade Product Control
Division

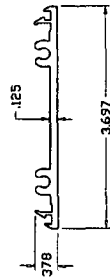




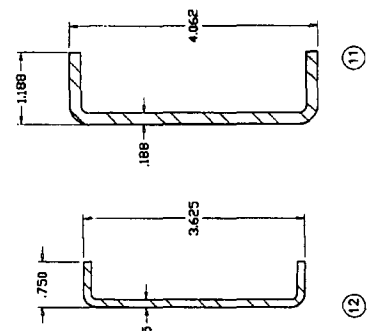
1 FRAME HEAD/SILL/JAMB



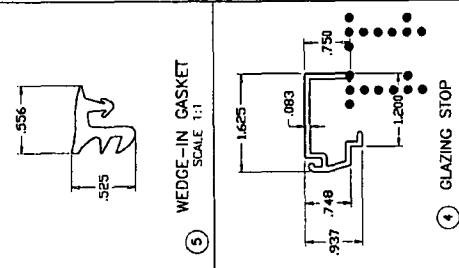
2 INTERMEDIATE SNAP-IN



3 POCKET FILLER



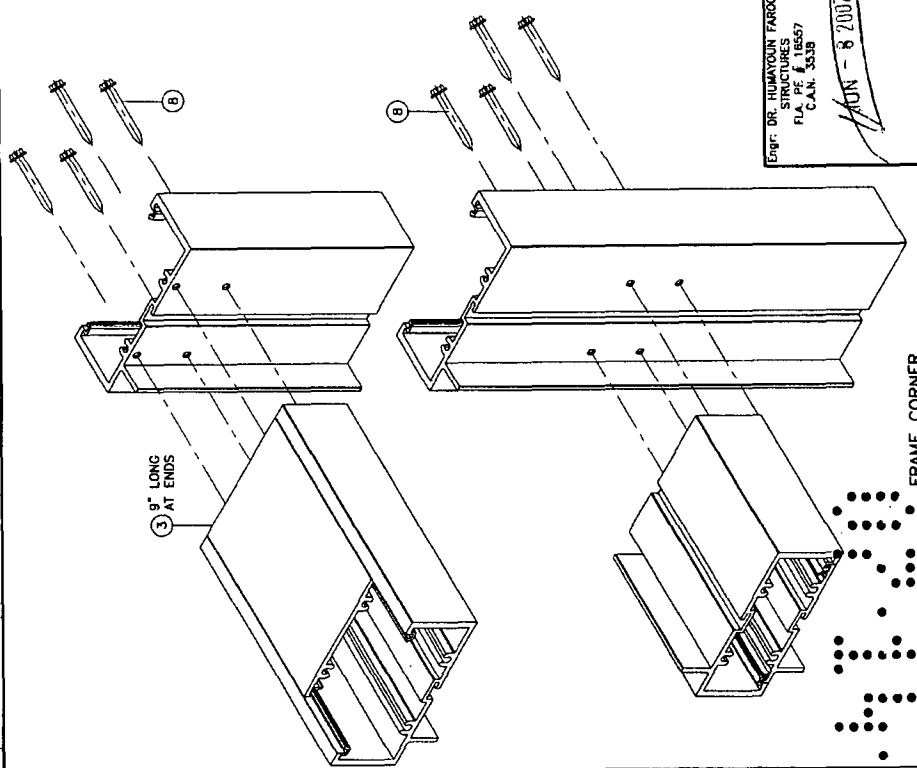
POCKET FILLER



5 WEDGE-IN GASKET
SCALE 1:1

4 GLAZING STOP

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SMI-001	AS REQD.	FRAME HEAD/SILL/JAMB	6063-T6	SMITH MOUNTAIN
2	SMI-003	AS REQD.	INTERMEDIATE SNAP-IN	6063-T6	SMITH MOUNTAIN
3	SMI-004	AS REQD.	FLAT FILLER	6063-T6	SMITH MOUNTAIN
4	SMI-002	1/ CORNER	GLASS STOP	6063-T6	SMITH MOUNTAIN
5	SMI-001	AS REQD.	GLAZING GASKET	EPDM 70 ±5	GLAZING RUBBER PRODUCTS
6	SMI-003	AS REQD.	SETTING BLOCK (1/4" X 1/2" X 2" LONG)	FRANK LOWE	
7	1/4-20 X 2-1/4"	AS REQD.	MULLION SCREWS WITH NUT & WASHER	-	AT 9" FROM ENDS & 24" O.C.
8	#12 X 1-1/2"	2 PER CORNER	FRAME ASSEMBLY SCREWS	-	HEX H SELF DRILLING
9	SMI-002	-	ADHESIVE FOAM TAPE (1/4" X 1/2")	-	FRANK LOWE/BUTNICK
10	995	-	GLAZING COMPOUND	-	DOW CORNING
10A	895	-	GLAZING COMPOUND	-	PECORA
11	-	-	REINFORCING CHANNEL	STEEL	1-3/16" X 4-1/16" X 1-3/16" X 3/16" THK.
12	-	-	REINFORCING CHANNEL	STEEL	3/4" X 3-5/8" X 3/4" X 1/8"



FRAME CORNER

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FL. 11, BOX 657
C.A.N. 3338

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 101
Expiration Date 11/21/2012
By: [Signature]
Miami Trade Product Control
Division

07-0924.02
11/21/2012

date: 08-11-03
drawing no. W03-64
sheet 8 of 8

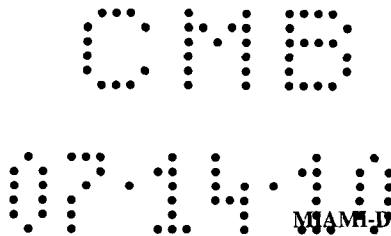
revisions:	no	date	by	description
	A	10.23.03		GLAZING COMPOUND 10A ADDED
	B	10.13.04		NO CHANGE THIS SHEET
	C	09.26.05		FRAME ALLOY REV.

SERIES SMI-175 ALUM WINDOW WALL (L.M.I.)
SMITH MOUNTAIN IMPACT SYSTEMS
11305 N.W. 128 STREET
MEDLEY, FL. 33178
TEL. (305) 888-6288 FAX. (305) 888-6289

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1236 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100
FAX. (305) 262-6978
COMP-ANL\W03-64.SM



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION



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

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
1070 Technology Drive
Nokomis, FL 34275

SCOPE:

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

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

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

DESCRIPTION: Series 2"x Heavy Wall Aluminum Tube Clipped Mullion - L.M.I.

APPROVAL DOCUMENT: Drawing No. 6223, titled "2" Heavy Wall, Elevations Aluminum Tube Clipped Mullion", sheets 1 through 5 of 5, dated 04/28/00, with revision "C" dated 05/03/06, prepared by PGT Industries, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Renewal Stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate 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 # 04-0528.06** and 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 **Jaime D. Gascon, P.E.**



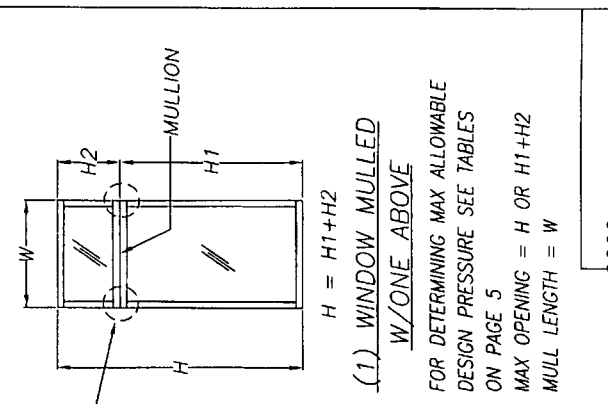
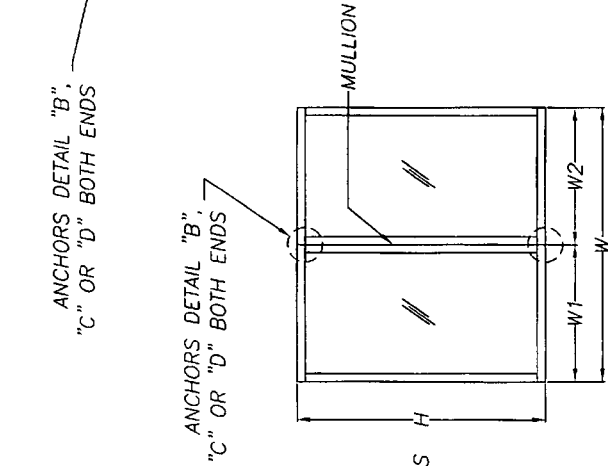
J. Gascon
5/16/06

NOA No 06-0125.08
Expiration Date: June 28, 2011
Approval Date: June 08, 2006
Page 1

ANCHORS DETAIL "B",
"C" OR "D" AT BOTH
ENDS AND AT BOTTOM

ANCHORS DETAIL "B",
"C" OR "D" AT BOTH
ENDS

ANCHORS DETAIL "B",
"C" OR "D" BOTH ENDS



(2) WINDOWS MULLED

W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5

- M1) MAX OPENING = H OR H1+H2
- MULL LENGTH = W OR W1+W2
- M2) MAX OPENING = W OR W1+W2
- MULL LENGTH = H1

MULTIPLE WINDOWS MULLED

W/ONE ABOVE

FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5

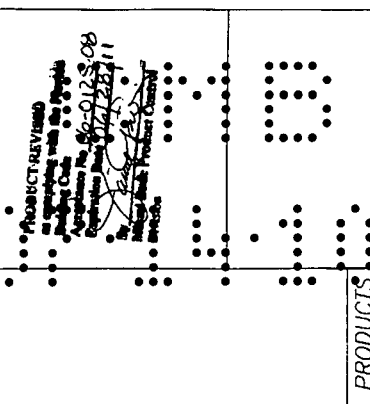
- M3) MAX OPENING = H OR H1+H2
- MULL LENGTH = W OR W1+W2+W3
- M4) MAX OPENING = W1+W2 OR W2+W3
- MULL LENGTH = H1

(2) WINDOWS MULLED TOGETHER

W = W1+W2

FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5

- MAX OPENING = W OR W1+W2
- MULL LENGTH = H



NOTES:

1. THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. FOR ANCHORAGE TYPE, QUANTITY AND LOCATION, REFER TO SHEETS 2, 3 AND 5.
2. WINDOWS AND DOORS OR COMBINATIONS THEREOF MAY BE MULLED TO A MAXIMUM OF (7) UNITS.
3. MULLIONS ARE APPROVED FOR IMPACT AND NON-IMPACT APPLICATIONS.
4. REFERENCE TEST REPORTS: FTL-2902, 2903 AND 2975.

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

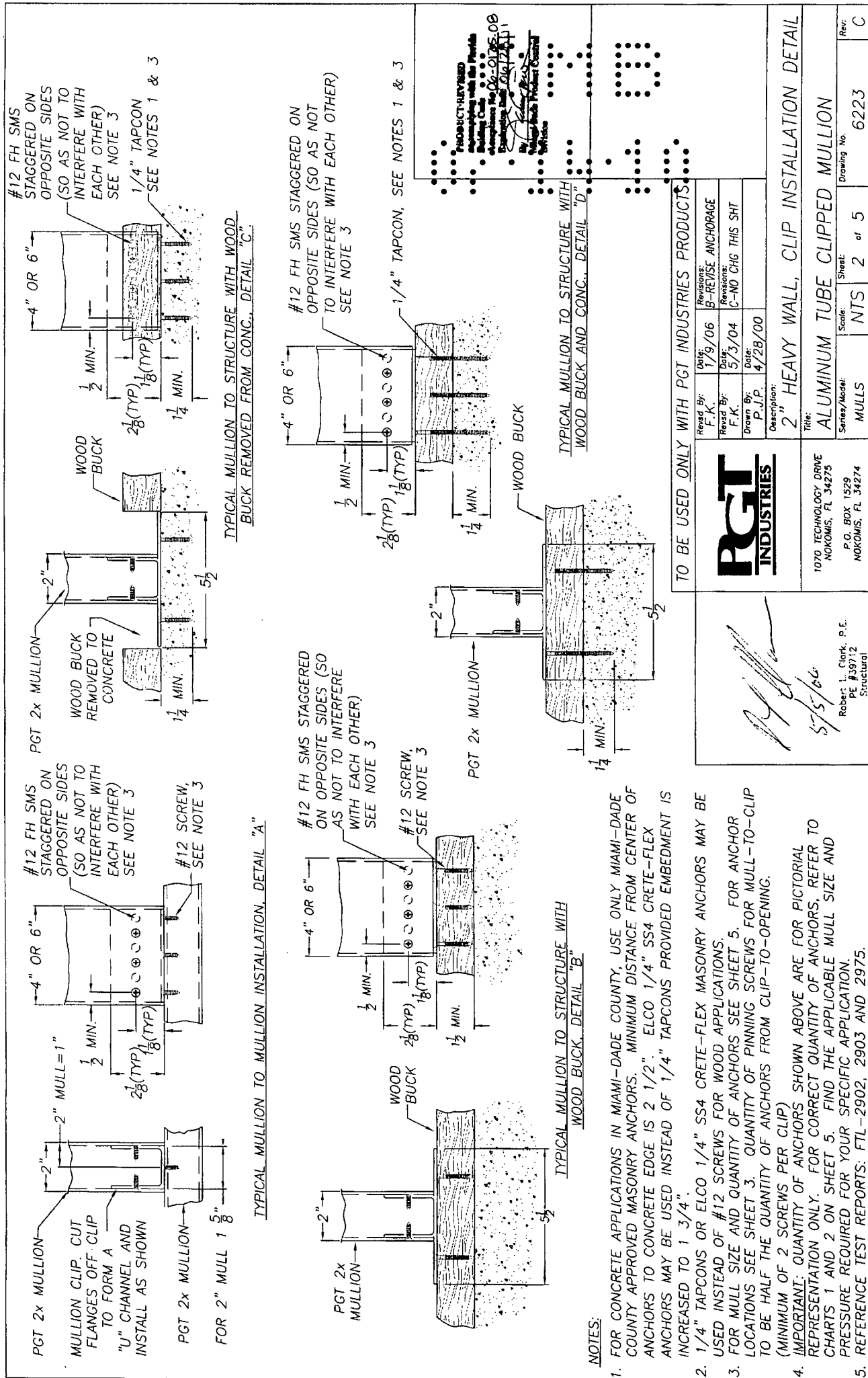


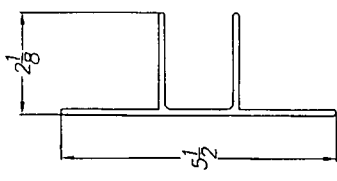
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

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

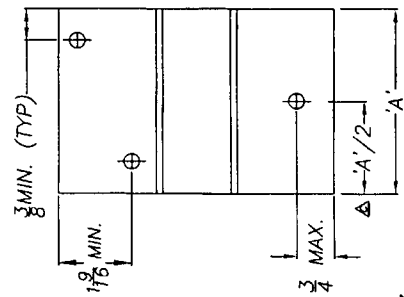
5/5/16

Revised By: F.K.	Date: 1/9/06	Revisions: B-REVISE ANCHORAGE
Revised By: F.K.	Date: 5/3/06	Revisions: C-NO CHG THIS SHIT
Drawn By: P.J.P.	Date: 4/28/00	
Description: 2" HEAVY WALL, ELEVATIONS		
Title: ALUMINUM TUBE CLIPPED MULLION		
Series/Model: MULLS	Scale: NTS	Sheet: 1 of 5
Drawing No. 6223		Rev: C

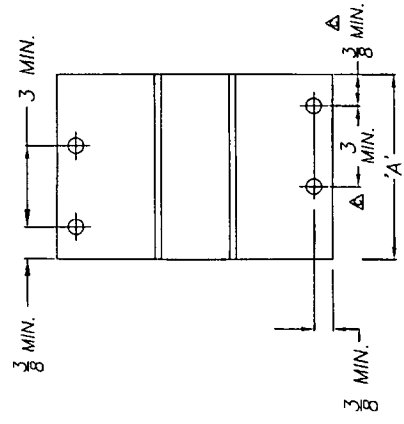




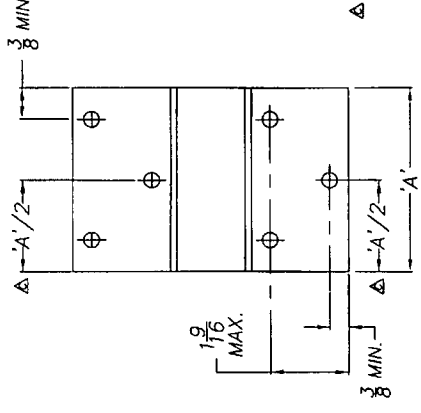
2" MULL CLIP
EXTRUSION DWG #513



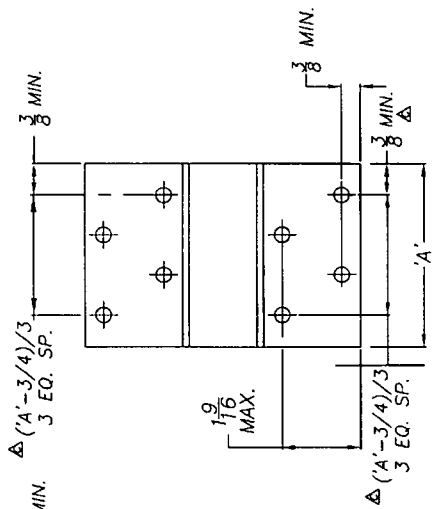
(3) ANCHOR LOCATIONS



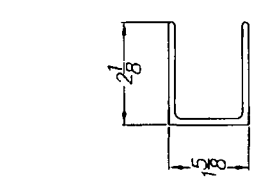
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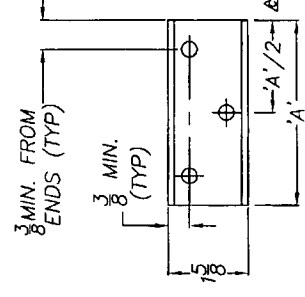
(6) ANCHOR LOCATIONS



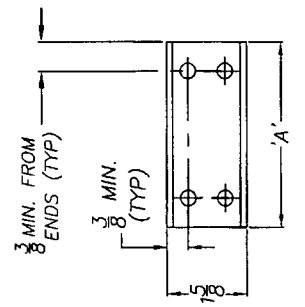
(8) ANCHOR LOCATIONS



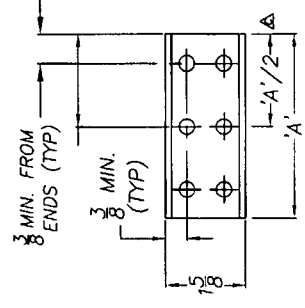
2" MULL CLIP
W/TABS REMOVED
EXTRUSION DWG #513



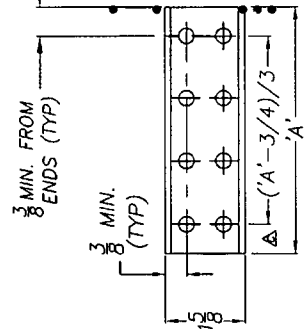
(3) ANCHOR LOCATIONS



(4) ANCHOR LOCATIONS



(6) ANCHOR LOCATIONS



(8) ANCHOR LOCATIONS

NOTES:

- IMPORTANT: QUANTITY OF ANCHORS SHOWN ARE FOR PICTORIAL REPRESENTATION ONLY. FOR CORRECT QUANTITY OF ANCHORS, PLEASE REFER TO CHARTS 1 AND 2 ON SHEET 5. FIND THE CORRECT MULL SIZE AND PRESSURE REQUIRED FOR YOUR SPECIFIC APPLICATION.
- REFERENCE TEST REPORTS: FTL-2902, 2903 AND 2975.

CLIP LENGTH CHART FOR 1x MULL	
MULL SIZE	A'
2 x 4 x 1/4	3 7/16
2 x 6 x 1/4	5 7/16

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS



1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

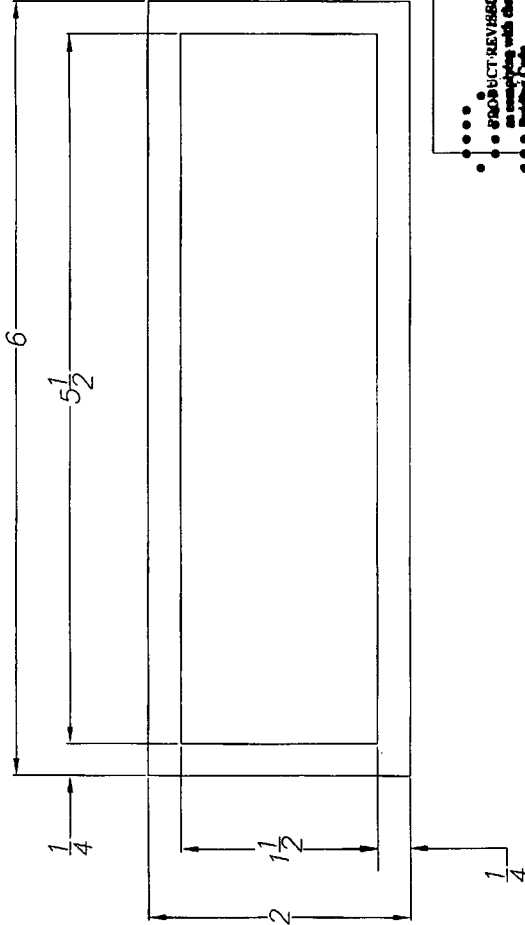
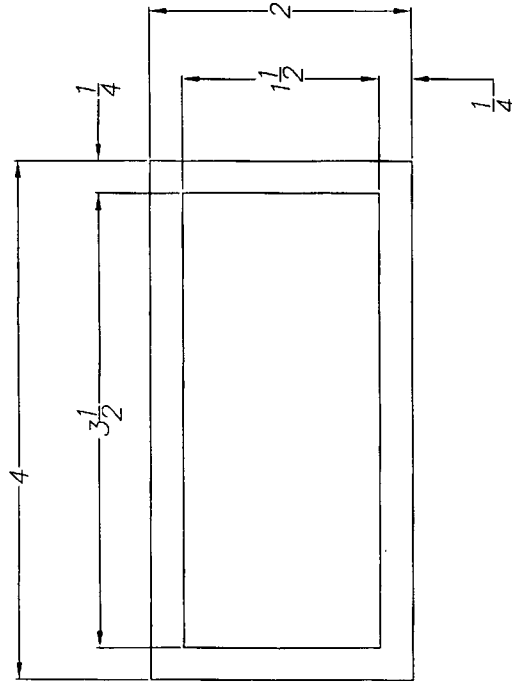
Revised By:	F.K.	Date:	1/9/06	Revisions:	B-ADD 3-4 HOLE APP.
Revised By:	F.K.	Date:	5/3/06	Revisions:	C-ADD MISSING DIM.
Drawn By:	P.J.P.	Date:	4/28/00		
Description:					

2" HEAVY WALL, ANCHOR LOCATIONS

ALUMINUM TUBE CLIPPED MULLION

Series/Model:	MULLS	Scale:	NTS	Sheet:	3 of 5	Drawing No.	6223	Rev:	C
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PRODUCT REVISED
In accordance with the
Building Code
Adoption No. 02-0125.28
Examination Date: 02/01/06
By: [Signature]
PGT Industries Product Control
Division



2x HEAVY WALL MULLS

MAT'L: 6063-T6

NOTE:

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

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS



1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

Revised By: F.K.	Date: 1/9/06	Revisions: B-NO CHG. THIS SHIT.
Revised By: F.K.	Date: 5/3/06	Revisions: C-NO CHG THIS SHIT
Drawn By: P.J.P.	Date: 4/28/00	

Description:

2" HEAVY WALL, MULLION PROFILES

Title:

ALUMINUM TUBE CLIPPED MULLION

Series/Model:

MULLS

Scale:

1X

Sheet:

4 of 5

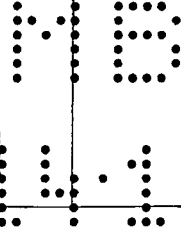
Drawing No.

6223

Rev:

C

PROBECT REVIEWED
as complying with the Florida
Building Code
Permit No. 06-01245-08
Expedited Based on 12/2/01
11
PGT Industries
Nokomis, FL 34275





BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

ONE

07-14-10

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

NOTICE OF ACCEPTANCE (NOA)

Doralum Corporation
7040 N. W. 77 Terri
Medley, FL 33166

SCOPE:

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

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

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

DESCRIPTION: Series "100" Aluminum Out swing Doors w/ Sidelites - Impact

APPROVAL DOCUMENT: Drawing No. W01-20, titled "Series 100 Alum Swing Door w/ Sidelites", sheets 1 through 6 of 6, prepared by Al Farooq Corp., dated 01-24-02 last revised on Mar 21, 2007, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

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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 & renews** NOA # 01-0724.10 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



3/23/17

NOA No 07-0109.08
Expiration Date: April 11, 2012
Approval Date: April 12, 2007
Page 1

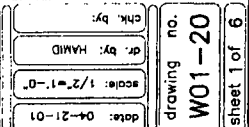
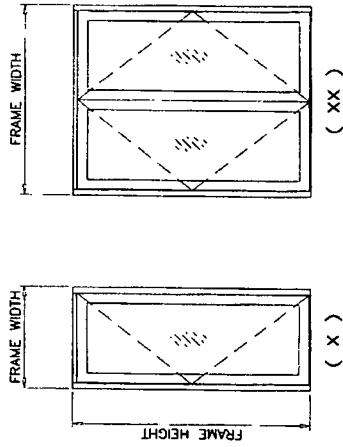


CHART A (FOR X & XX DOORS)

DOORS WITHOUT SIDELITES			
DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.	GLASS TYPES 'A', 'B' OR 'C'		
PANEL WIDTH FT./IN.	DOOR HEIGHT FT./IN.	EXT. (+)	INT. (-)
2/6	6/8	62.0	81.0
3/0	6/8	62.0	81.0
2/6	8/0	62.0	81.0
3/0	8/0	62.0	81.0



HEIGHTS:

NOMINAL HEIGHT	FRAME HEIGHT	LEAF HEIGHT	DAYLITE OPG.
6/8	79-7/8"	77-3/8"	67-5/8"
8/0	95-7/8"	93-3/8"	83-5/8"

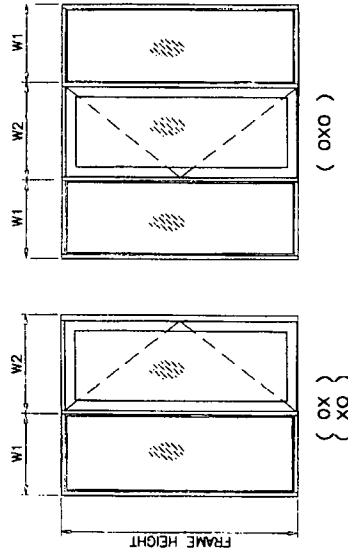
WIDTHS:

NOMINAL WIDTH	FRAME WIDTH	LEAF WIDTH	DAYLITE OPG.
2/6 (X)	31-1/2"	28-11/16"	18-15/16"
3/0 (X)	37-1/2"	34-11/16"	24-15/16"
5/0 (XX)	59-3/4"	28-11/16"	18-15/16"
6/0 (XX)	71-3/4"	34-11/16"	24-15/16"

NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-02 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

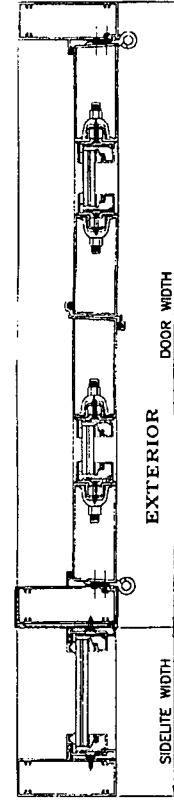
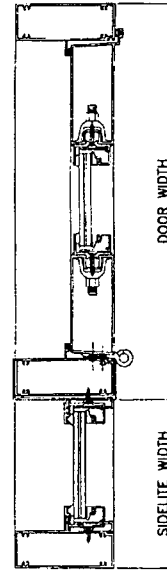
CHART B

STATIONARY PANEL (O) OR DOORS WITH SIDELITES					
DESIGN LOAD CAPACITY - PSF					
WIDTH (W) INCHES	FRAME HEIGHT FT./IN.	GLASS TYPE 'A'		GLASS TYPE 'B' & 'C'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
32	7/0	62.0	81.0	62.0	81.0
33		62.0	78.3	62.0	81.0
34		62.0	69.8	62.0	81.0
35		62.0	66.5	62.0	81.0
36	8/0	62.0	63.1	62.0	81.0
32		62.0	81.0	62.0	81.0
33		62.0	78.3	62.0	79.2
34		62.0	69.8	62.0	78.3
35		62.0	66.5	62.0	77.6
36		62.0	63.1	62.0	76.5



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

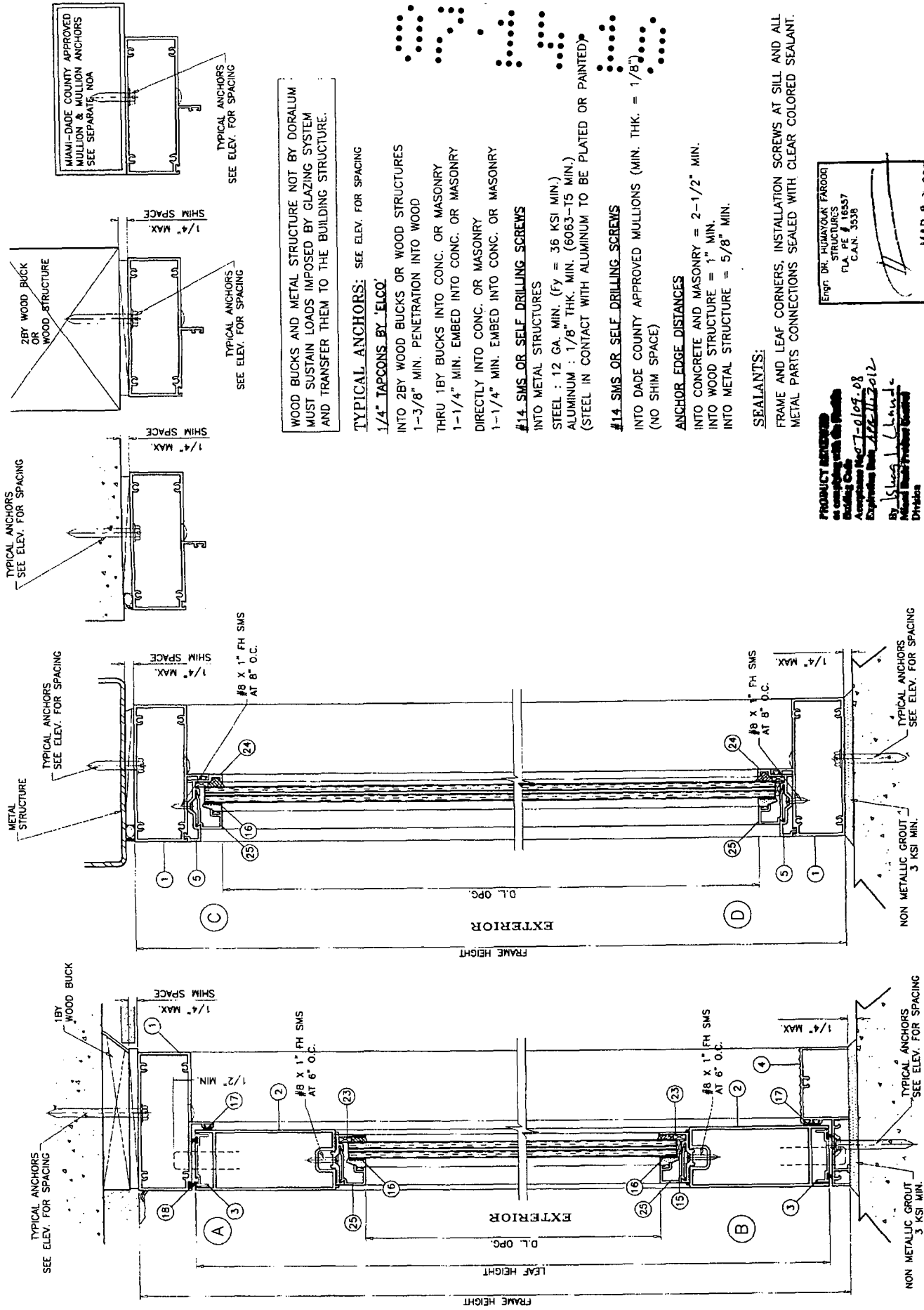
(FOR DOORS WITH SIDELITES)



PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 07-0090
Expiration Date 2008.11.30
By: [Signature]
Division

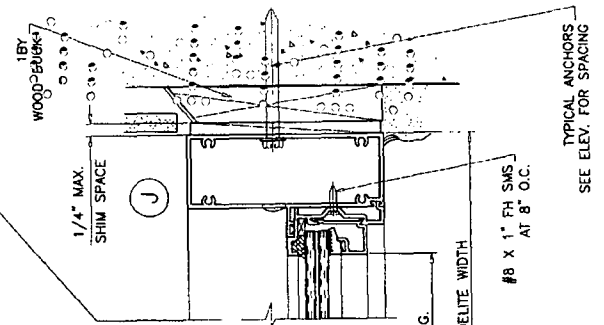
ENR. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3338

MAR 21 2007



PRODUCT REVIEWED
as complying with the Florida
Building Code
Adopted Code 7-0109.08
Expiration Date 12/21/2012
By: [Signature]
Division

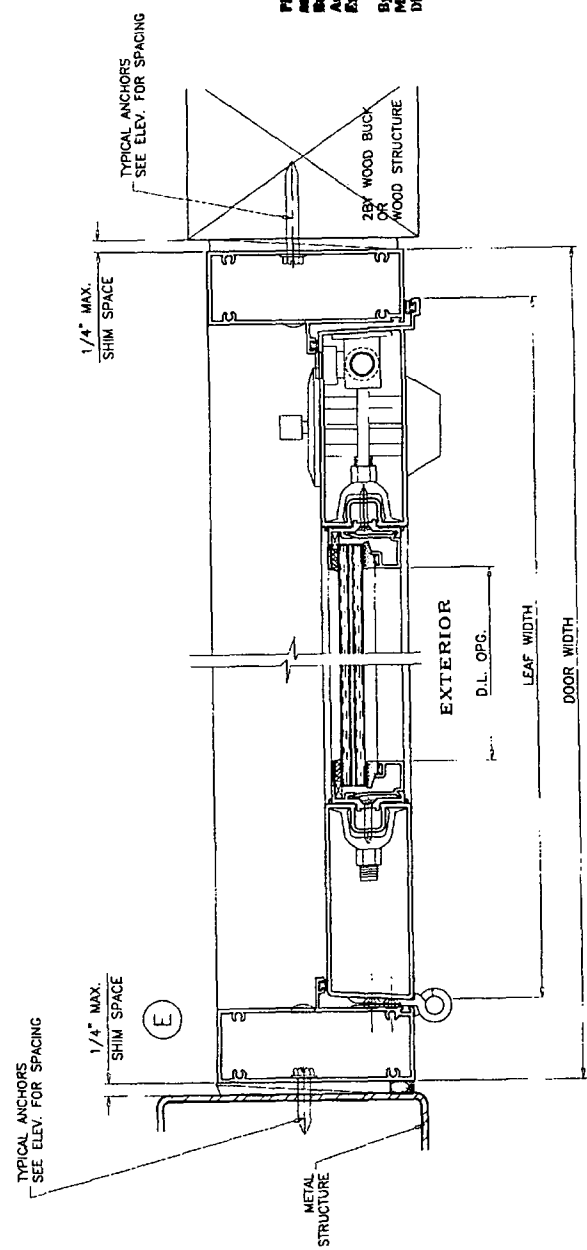
Eng. DR. HUMAYOON FAROQI
STRUCTURES
FLA. REG. NO. 18337
C.A.N. 3330
MAR 21 2007

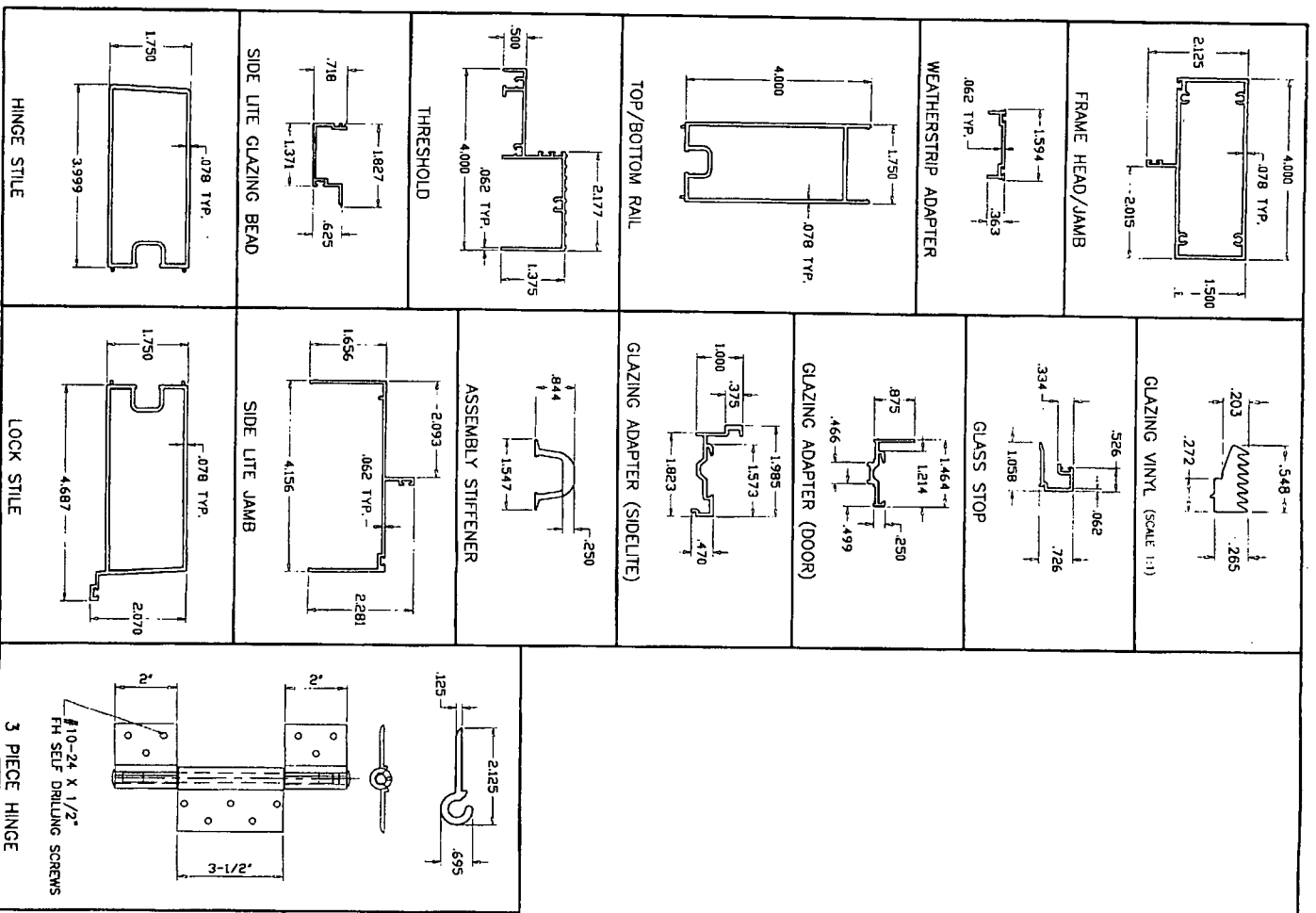


PRODUCT REVIEWED
is complying with the Florida
Building Code
Approvers No. 07-0103.08
Expiration Date 12/11/2012
By: [Signature] / [Signature]
Miami Data Product Control
Division

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

MAR 21 2007





ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SW-28899	3/DOOR	FRAME HEAD/JAMB	6063-T6	-
2	SW-28900	2/LEAF	DOOR TOP/BOTTOM RAIL	6061-T6	-
3	SW-28904	AS REQD.	WEATHERSTRIP ADAPTER	6063-T6	-
4	SW-28898	1/DOOR	THRESHOLD	6063-T6	-
6	SW-28896	1/LEAF	HINGE STILE	6063-T6	-
7	SW-28901	1/LEAF	LOCK STILE	6063-T6	-
8	SW-28897	AS REQD.	SIDELITE JAMB	6063-T6	-
9	SW-28903	1/CORNER	ASSEMBLY STIFFENER	6063-T6	-
10	SW-29244	3/LEAF	HINGE DOOR PORTION	6063-T6	-
11	SW-29245	3/LEAF	HINGE FRAME PORTION	6063-T6	-
12	-	2/LEAF	3/8" X 16 X 32" LONG THREADED ROD	STEEL	-
13	-	2/LEAF	3/8" X 16 NUT	-	-
14	-	1/HINGE	5/16" X 6" ROD	STEEL	PLATED STEEL
15	-	8/LEAF	1/4" SETTING BLOCK	NYLON	-
16	-	AS REQD.	GLAZING VINYL	VINYL	-
17	PW-101	AS REQD.	BUILD WEATHERSTRIPPING	VINYL	-
18	PB-B400	AS REQD.	PILE WEATHERSTRIPPING	-	SCHLEGEL
19	SILICONE PLUS	-	SILICONE	-	DOW CORNING
20	5025	AS REQD.	FLUSH BOLTS	-	DELTA IND.
21	CP-B111	-	ENTRY LOCKSET	-	TACO OR WESTLOCK
22	8BX3/4 PHISMS	AS REQD.	ASSEMBLY SCREWS	6063-T6	AT ALL FRAME JOINTS
23	DOOR-018	AS REQD.	GLAZING ADAPTER (DOOR)	6063-T6	-
24	DOOR-017	AS REQD.	GLAZING ADAPTER (SIDELITE)	6063-T6	-
25	DOOR-019	AS REQD.	GLASS STOP	6063-T6	-

LOCKS:

STANDARD STEEL THROW BOLT LOCK, KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR AT EACH ACTIVE LEAF LOCK STILE, 45" FROM BOTTOM CONVENTIONAL LOCKSET WITH KNOB, KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR AT EACH ACTIVE LEAF LOCK STILE, 38" FROM BOTTOM MANUALLY OPERATED CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF EACH LEAF LOCK STILE (FLUSH BOLTS AT TOP & BOTTOM OF ACTIVE AND INACTIVE LEAFS TO BE ENGAGED DURING PERIODS OF HURRICANE WARNING)

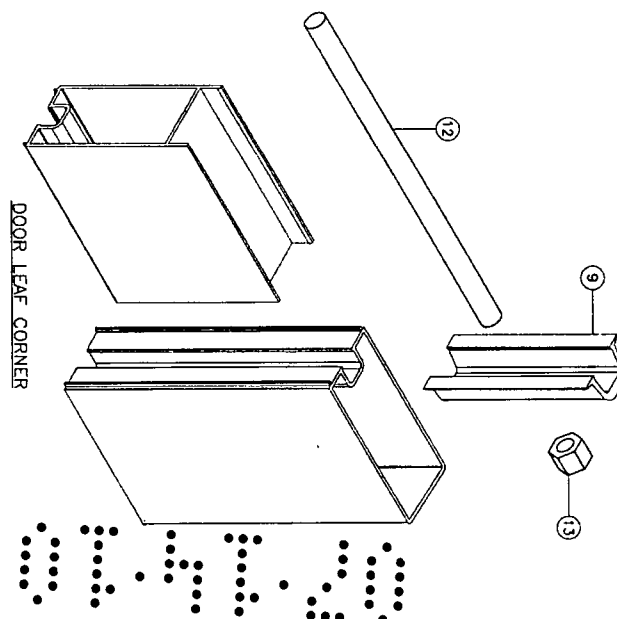
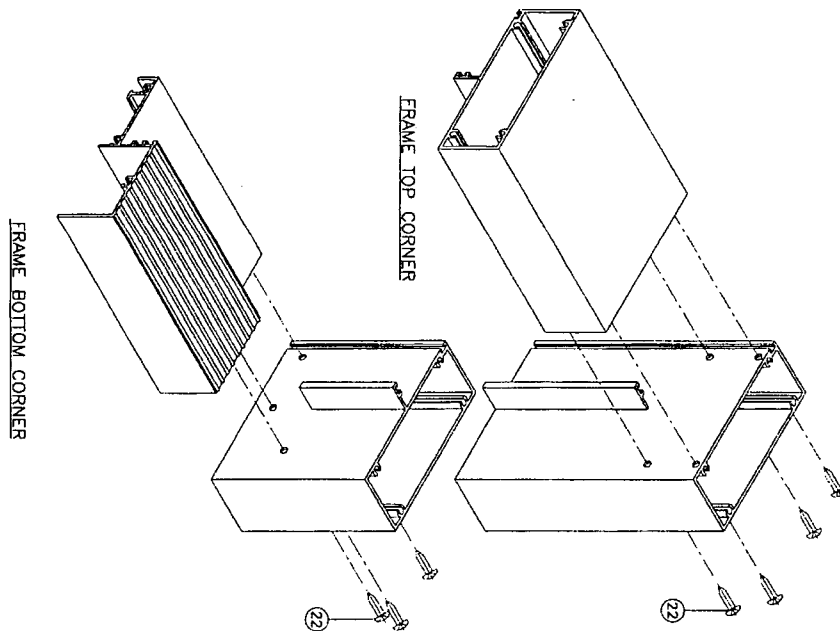
HINGES:

EXTRUDED ALUMINUM BUTT HINGE 1/8" THICK AND 7-1/2" LONG WITH 5/16" PLATED STEEL ROD AT EACH LEAF JAMB STILE ONE EACH AT 10" FROM TOP & BOTTOM AND ONE AT MIDSPAN

PRODUCT REVIEWED
as meeting with the Product
Development Team
Approved Date: 07-01-05-08
Approved By: JEFFREY L. BROWN
By: JEFFREY L. BROWN
Material Dept Product Design
Division

Engr. BR. JUANJOAN FARROO
FLA. PE # 15457
CAN. 3538
MAR 2 2007

drawing NO. W01-20	date: 04-21-01	revisions:	SERIES-100 ALUM SWING DOOR W/ SIDELITES DORALUM CORPORATION 2048 N.W. 77 TH TER. MIDDLEY, FL. 33166 TEL. (305) 884-3922 FAX (305) 884-1464	AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL (305) 264-8100 FAX (305) 262-6978 COMP-ANL\W01-20DAC
	scale: 3/8" = 1"	no. date by description		
dr. by: HAMID	8 12.12.06	UPDATED FOR 2208 615		
chk. by:				
Sheet 5 of 6				



PRODUCT RENEWED
as complying with the Florida
Building Code
Approved On: 07-01-08
Expiration Date: 08-11-2012
By: [Signature]
Internal Design Products Division

Engr. DR. TUMAYAN FAROOQ
STRUCTURES
P.E. # 18337
CAN. 3538

MAR 2 1 2007

Sheet 6 of 6	drawing no. W01-20	date: 04-21-01	revisions:	SERIES-100 ALUM SWING DOOR W/ SIDELITES DORALUM CORPORATION 7080 N.W. 77 th TER. MIDDLEBURY, FL 33166 TEL (305) 884-3922 FAX (305) 884-1464	AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL (305) 264-8100 FAX (305) 262-6978 COMP-ANL\W01-20DAC	
		scale: 3/8" = 1"	no date by description			
		dr. by: HAMID	B 12.12.06 UPDATED FOR 204 FBC			
		chk. by:				

CMB
DESIGN WIND PRESSURE CALCULATIONS
07.14.10

PROJECT:

Windows and Doors Installation at:

2581 LAKE AVENUE
MIAMI BEACH, FLORIDA 33139

JORGE LLAMA, P.E. # 60156, C.A. # 27710
A & A ENGINEERING
10010 S.W. 23rd TERRACE
MIAMI, FLORIDA 33165
TEL: (305) 992-3048

6/28/2010


6/28/10

DESIGN WIND PRESSURE CALCULATIONS - ASCE 7-05

Job: 2581 LAKE AVENUE, MIAMI BEACH, FLORIDA 33139

Design Pressures have been determined in accordance with ASCE 7-05 based on the following criteria:

Building Category: II
 Exposure Category: C
 Building Mean Roof Height (Ht): 23.0 ft.
 Minimum Building Width: 79.9 ft.
 Roof Slope: 6 :12 26.6 Deg.
 Basic Wind Speed (V): 146 mph
 Kz: 0.93
 Kd: 0.85
 I: 1

Design Velocity Pressure; $q = 0.00256 \cdot K_z \cdot K_{zt} \cdot K_d \cdot V^2 \cdot I$
 $q = 43.08$ psf

Internal Pressure Coefficient; $G_{cpi} = \pm 0.18$
 Design Pressure; $P = q [(G_{cp}) \pm (G_{cpi})]$

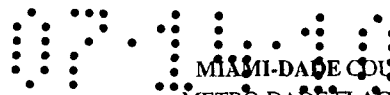
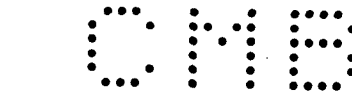
Notes:

1. Wind load calculations are based upon a mean roof height and tributary area as noted. Contractor shall verify mean roof height in field and notify if higher than noted.
2. "END Zones" pressure are applicable to openings that are within: 8.0 ft. of building corners.

Mk	Description	Width (inches)	Height (inches)	Trib.Area (Sq.Ft.)	Zone	Conf.	GCp		Design Press.(psf)	
							Max	Min	Positive	Negative
WW1	WINDOW WALL	29	80	16.11	4	O	0.96	-1.06	49.26	-53.57
WW1a	WINDOW WALL	29	80	16.11	5	O	0.96	-1.33	49.26	-64.92
WW2a	WINDOW WALL	53 1/8	80	29.51	5	O	0.92	-1.23	47.26	-60.92
WW3	WINDOW WALL	17 1/2	80	9.72	4	O	1.00	-1.10	50.84	-55.14
WW3a	WINDOW WALL	17 1/2	80	9.72	5	O	1.00	-1.40	50.84	-68.07
WW4a	WINDOW WALL	43 3/8	80	24.09	5	O	0.93	-1.27	47.93	-62.26
WW5a	WINDOW WALL	75 7/8	80	42.15	5	O	0.89	-1.18	46.08	-58.56
WW6a	WINDOW WALL	79 3/8	33 3/8	18.39	5	O	0.95	-1.31	48.82	-64.04
WW7	WINDOW WALL	20	81	11.25	4	O	0.99	-1.09	50.45	-54.76
WW7a	WINDOW WALL	20	81	11.25	5	O	0.99	-1.38	50.45	-67.29
FD1	ALUMINUM DOOR	72	80	20.00	4	XX	0.95	-1.05	48.55	-52.85
FD2a	ALUMINUM DOOR	72	85	21.25	5	XX	0.94	-1.28	48.35	-63.09
FD3a	ALUMINUM DOOR	68	85	20.06	5	XX	0.95	-1.29	48.54	-63.47
FD4	ALUMINUM DOOR	36	85	21.25	4	X	0.94	-1.04	48.35	-52.65
FD4a	ALUMINUM DOOR	36	85	21.25	5	X	0.94	-1.28	48.35	-63.09
FD5	ALUMINUM DOOR	64	82	18.22	4	XX	0.95	-1.05	48.85	-53.16
FD5a	ALUMINUM DOOR	64	82	18.22	5	XX	0.95	-1.31	48.85	-64.10
FD6	ALUMINUM DOOR	53	87	16.01	4	XX	0.96	-1.06	49.28	-53.59



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Smith Mountain Impact Systems by Pande Pane
11305 N.W. 128 Street
Medley, FL 33178

SCOPE:

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

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

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

DESCRIPTION: Series "SMI-175" Aluminum Window Wall System - L.M.I.

APPROVAL DOCUMENT: Drawing No. **W03-64**, titled "Series SMI-175 Aluminum Window Wall (L.M.I.)", sheets 1 through 8 of 8, dated 08/11/2003 with revision c dated 09/26/2005, prepared by Al-Farooq Corporation, DATED 06/08/2007, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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

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

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or 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 and renews** NOA # **03-0925.01** and 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 **Jaime D. Gascon, P.E.**



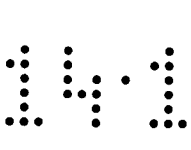
J. Gascon
10/24/07

NOA No. 07-0924.02

Expiration Date: November 21, 2012

Approval Date: November 15, 2007

Page 1



Eng: DR. HUMAYOUN FAROOQ
STRUCTURES
PLA PE # 16537
CAN. 3536

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3** CHECK MILLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 3 & 4. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHART ON SHEETS 5 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

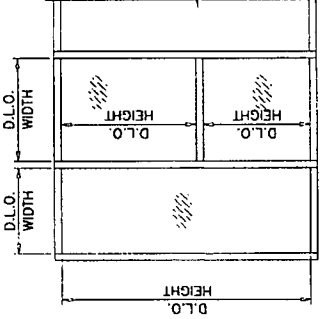
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

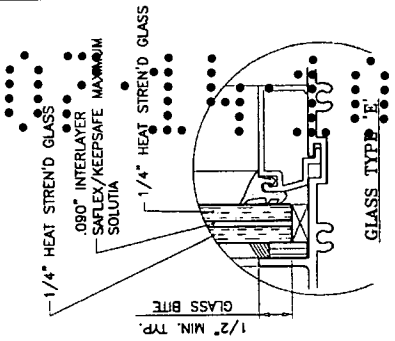
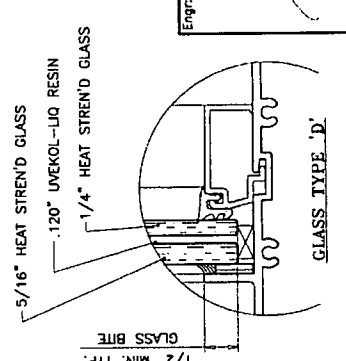
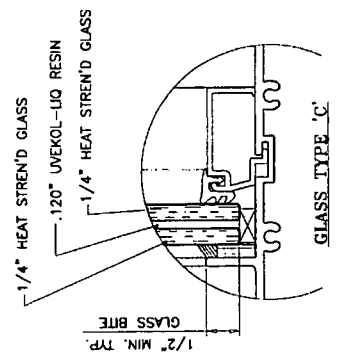
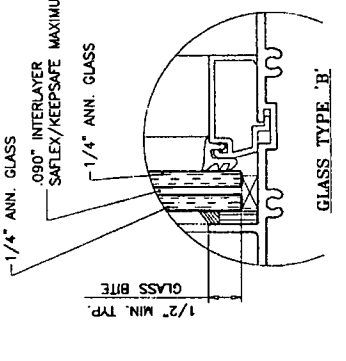
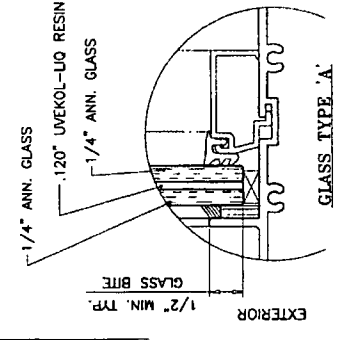
A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ANCHORS INTO WOOD ONLY.
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.



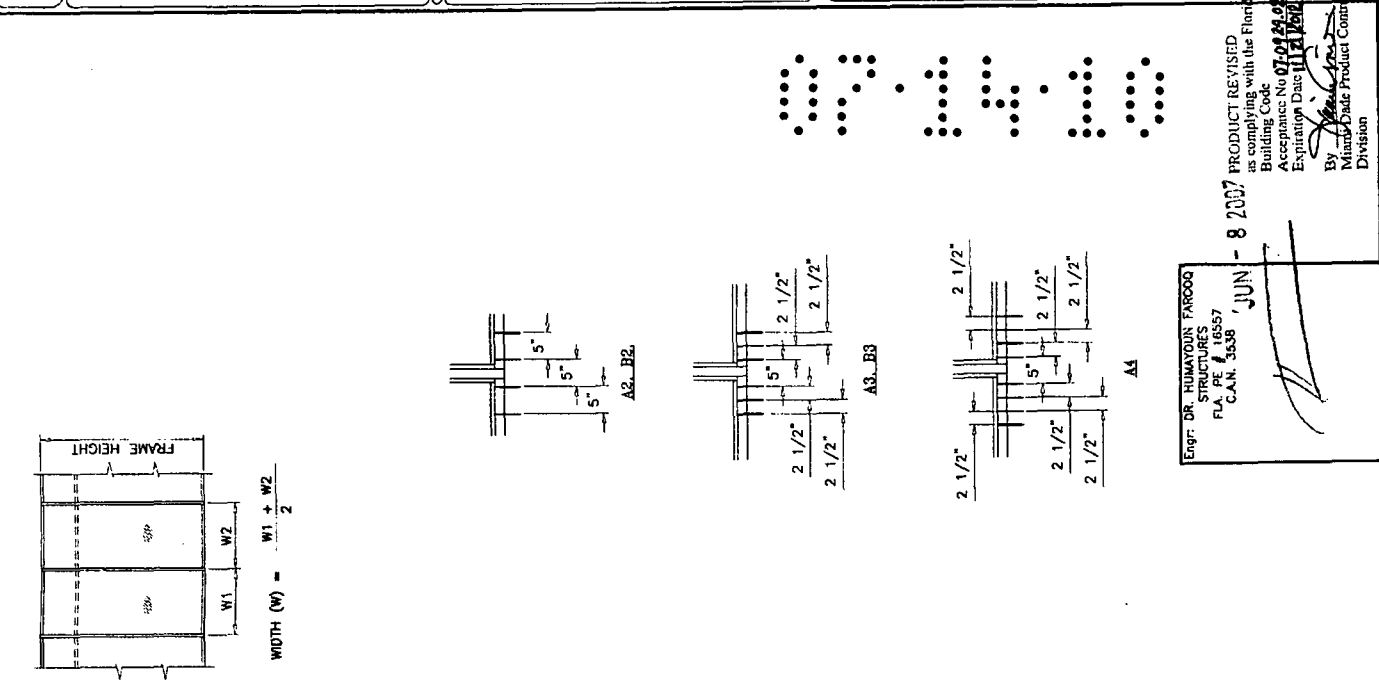
GLASS LOAD CAPACITY - PSF									
NOMINAL DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'		GLASS TYPE 'D'	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) & INT. (-)	EXT. (+) & INT. (-)	EXT. (+) & INT. (-)	EXT. (+) & INT. (-)	EXT. (+) & INT. (-)	EXT. (+) & INT. (-)	EXT. (+) & INT. (-)	EXT. (+) & INT. (-)
20"	20"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
26"	26"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
32"	32"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
38"	38"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
44"	44"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
50"	50"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
56"	56"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
60"	60"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
66"	66"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
20"	26"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
26"	32"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
32"	38"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
38"	44"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
44"	50"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
50"	56"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
56"	60"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
60"	66"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
20"	20"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
26"	26"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
32"	32"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
38"	38"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
44"	44"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
50"	50"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
56"	56"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
60"	60"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
66"	66"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
20"	20"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
26"	26"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
32"	32"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
38"	38"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
44"	44"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
50"	50"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
56"	56"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
60"	60"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
66"	66"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
20"	20"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
26"	26"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
32"	32"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
38"	38"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
44"	44"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
50"	50"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
56"	56"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
60"	60"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0
66"	66"	63.0	63.0	63.0	63.0	120.0	120.0	100.0	90.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-02 (3 SEC. GUSTS).



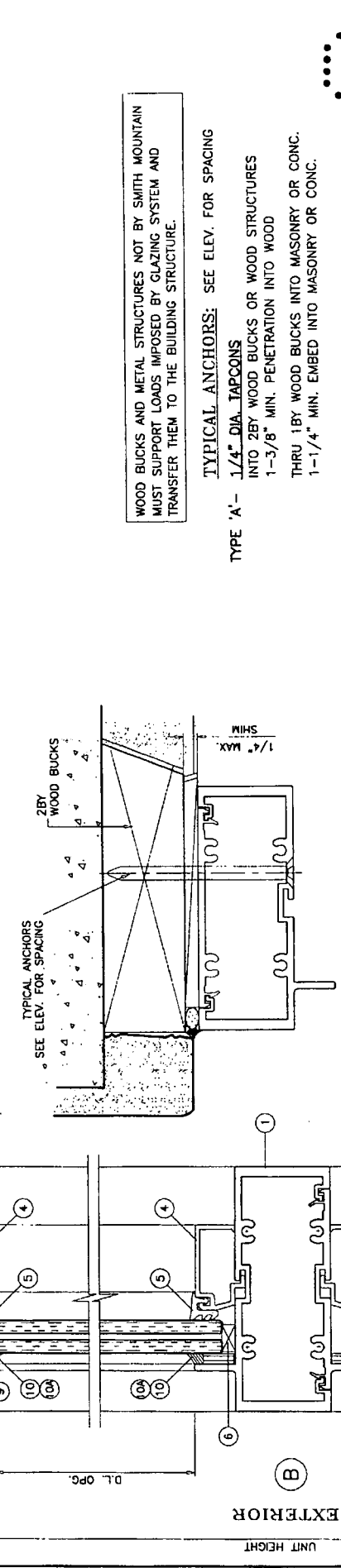
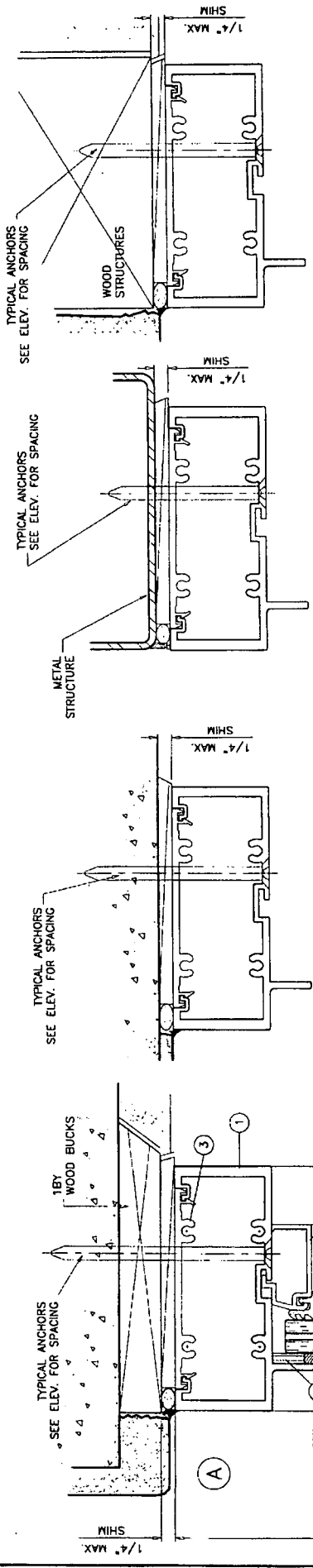
Engr. DR. HUSAYIN FAROOQ
STRUCTURES
FLA. REG. # 16557
C.A.N. # 5338
DATE: 8/2007
By: *[Signature]*
Miami Code Product Control
Division

GLAZING OPTIONS



ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)					
NOMINAL DIMS. WIDTH (W) FRAME HEIGHT	ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	
	A2	A3	A4	B2	B3
24"	120.0	120.0	120.0	120.0	120.0
30"	120.0	120.0	120.0	120.0	120.0
36"	120.0	120.0	120.0	120.0	120.0
42"	120.0	120.0	120.0	120.0	120.0
48"	120.0	120.0	120.0	120.0	120.0
54"	120.0	120.0	120.0	120.0	120.0
60"	120.0	120.0	120.0	120.0	120.0
66"	120.0	120.0	120.0	120.0	120.0

ANCHORS TYPES: SEE SHEET 6 FOR DESCRIPTION
 A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
 B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION
 A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
 B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION
 A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION
 ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.



WOOD BUCKS AND METAL STRUCTURES NOT BY SMITH MOUNTAIN MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 1/4" DIA. TAPCONS
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD
THRU 18Y WOOD BUCKS INTO MASONRY OR CONC.
1-1/4" MIN. EMBED INTO MASONRY OR CONC.

TYPE 'B' - 1/4" DIA. TAPCONS
DIRECTLY INTO MASONRY OR CONCRETE
1-1/4" MIN. EMBED INTO MASONRY OR CONCRETE

TYPE 'B' - #14" SMS OR 1/4" SELF DRILLING SCREWS
INTO METAL STRUCTURES
STEEL : 12 GA. MIN. (FY = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

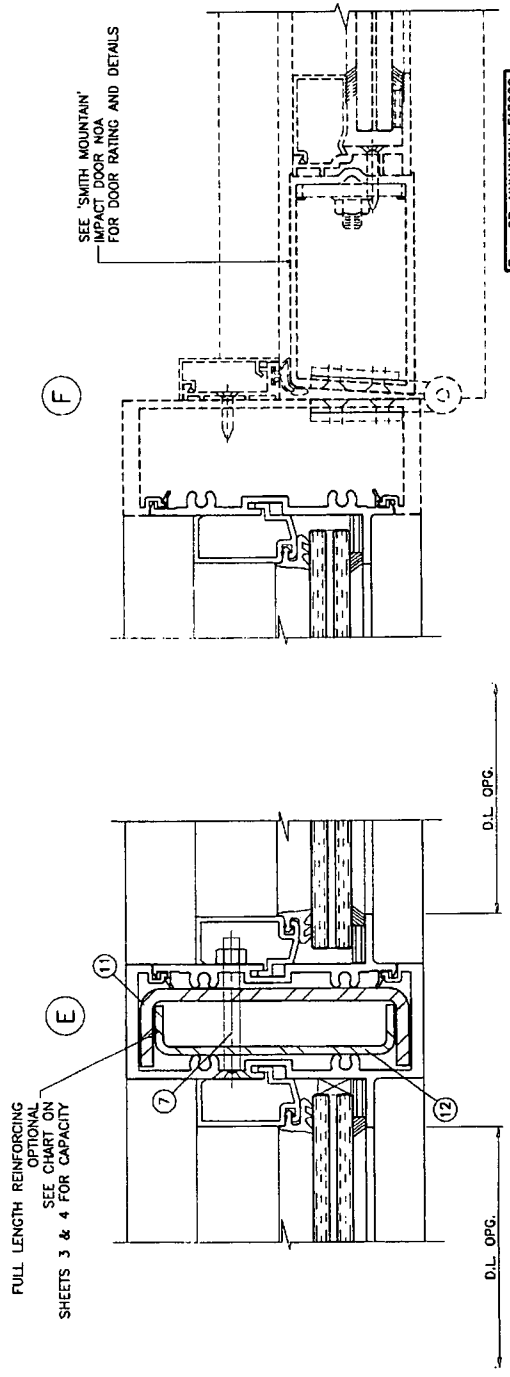
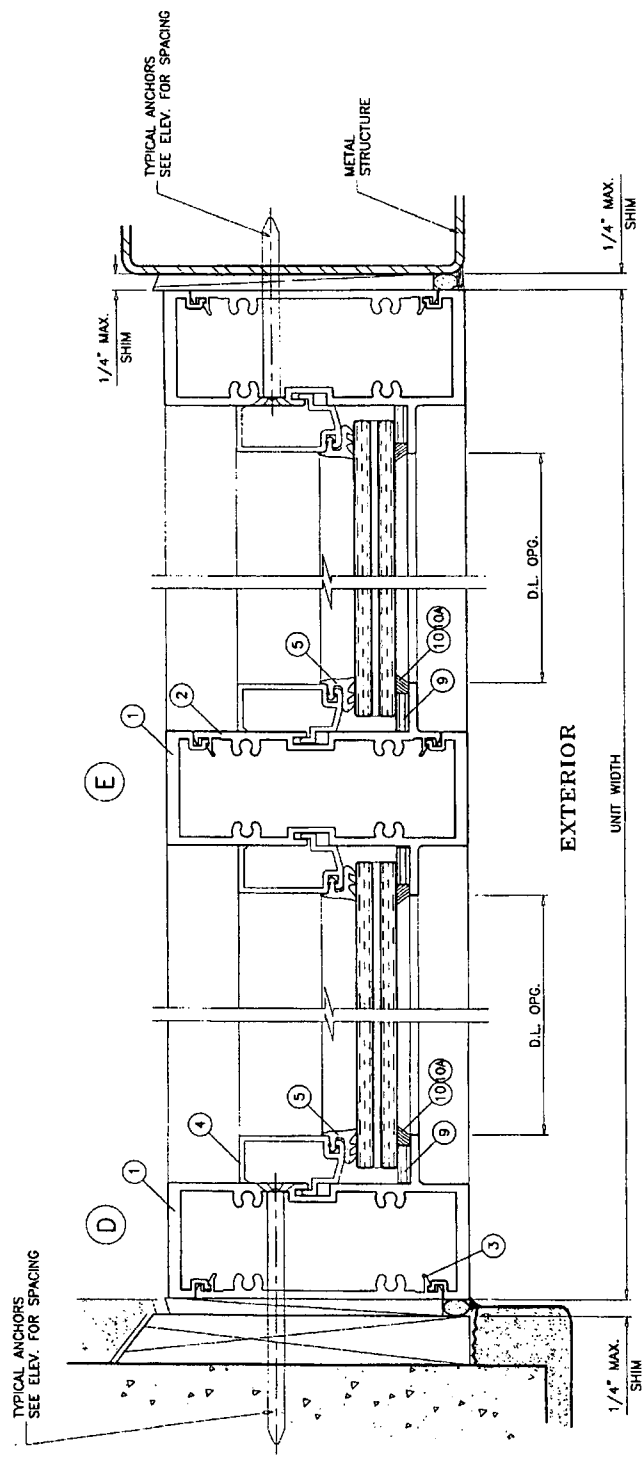
TYPICAL EDGE DISTANCE
INTO CONCRETE AND MASONRY = 3" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

Eng: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. \$538

PRODUCT REVISED
92 complying with the Florida
Building Code
Acceptance No. 07-0914-02
Expiration Date 11/11/2012

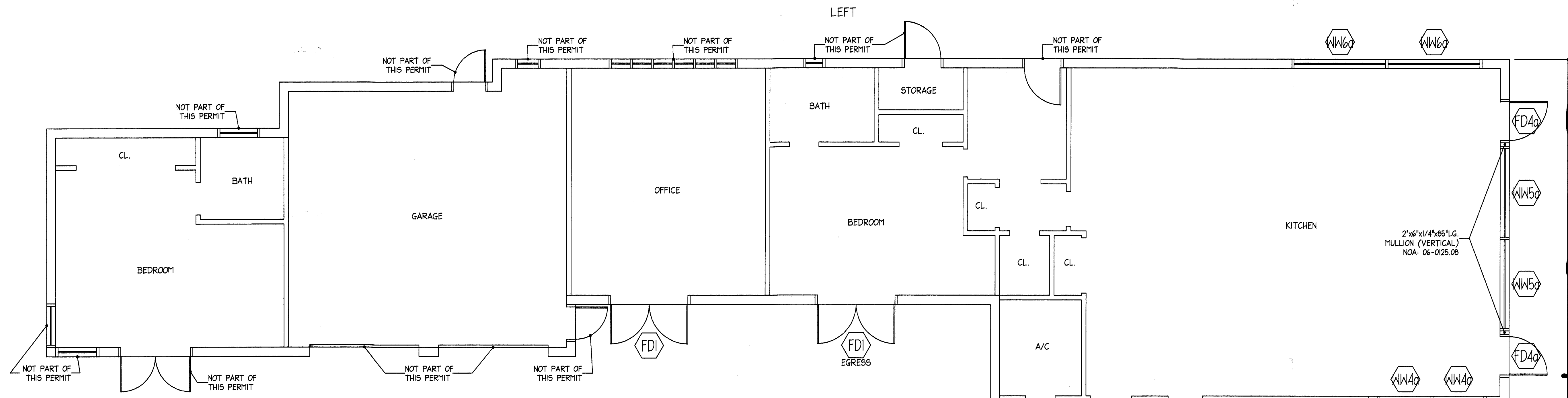
By: *[Signature]*
Miami Trade Products Control
Division

JUN - 8 2007



ENGR. DR. HUMAYOON FAROOG
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

11/11/2012



- NOTES:**
1. WINDOW FRAMES / MULLION ANCHORAGE TO MAIN STRUCTURE SHALL BE IN ACCORDANCE WITH THE UNIT'S NOTICE OF ACCEPTANCE (REFER TO PRODUCTS CONTROLS).
 2. ONLY THE OPENINGS THAT ARE IDENTIFIED WITH THEIR SIZES AND DESIGN PRESSURES ARE PART OF THIS PERMIT. ALL OTHER OPENINGS ARE NOT PART OF THIS PERMIT.
 3. THE MAIN WIND FORCE RESISTING SYSTEM OF THE STRUCTURE (I.E.: BEAMS, COLUMNS, FRAMING, ETC.) SHALL BE DESIGNED TO WITHSTAND THE LOADS POSED BY THE GLAZING. NO CALCULATIONS HAVE BEEN PERFORMED TO VERIFY THEIR ADEQUACY.
 4. EGRESS WINDOWS TO HAVE A MINIMUM OPENING AREA OF 5.7 SQ. FT. (5.0 SQ. FT. FOR GROUND FLOOR) (FBC 1026.2), AND 24" HEIGHT MINIMUM, 20" WIDTH MINIMUM (FBC 1026.2.1).
 5. EGRESS WINDOWS TO BE NOT MORE THAN 44" ABOVE THE FLOOR (FBC 1026.3).

GLASS DESCRIPTION	
WINDOW WALL, 9/16" LAMINATED TYPE E:	
GLAZING: 9/16" LAMINATED IMPACT RESISTANT GLASS	
EXTERIOR LITE: 1/4" HEAT STRENGTHENED GLASS	
.090" INTERLAYER SAFEX/KEEPSAFE MAXIMUM SOLUTIA	
INTERIOR LITE: 1/4" HEAT STRENGTHENED GLASS	
WINDOW WALL, 5/8" LAMINATED TYPE C:	
GLAZING: 5/8" LAMINATED IMPACT RESISTANT GLASS	
EXTERIOR LITE: 1/4" HEAT STRENGTHENED GLASS	
.120" UVEKOL-LIG RESIN	
INTERIOR LITE: 1/4" HEAT STRENGTHENED GLASS	
ALUMINUM DOOR, OPTION B:	
GLAZING: 7/16" LAMINATED IMPACT RESISTANT GLASS	
EXTERIOR LITE: 3/16" HEAT STRENGTHENED GLASS	
.090" PVB INTERLAYER SAFEX IIG BY 'SOLUTIA'	
INTERIOR LITE: 3/16" HEAT STRENGTHENED GLASS	

GENERAL NOTES:

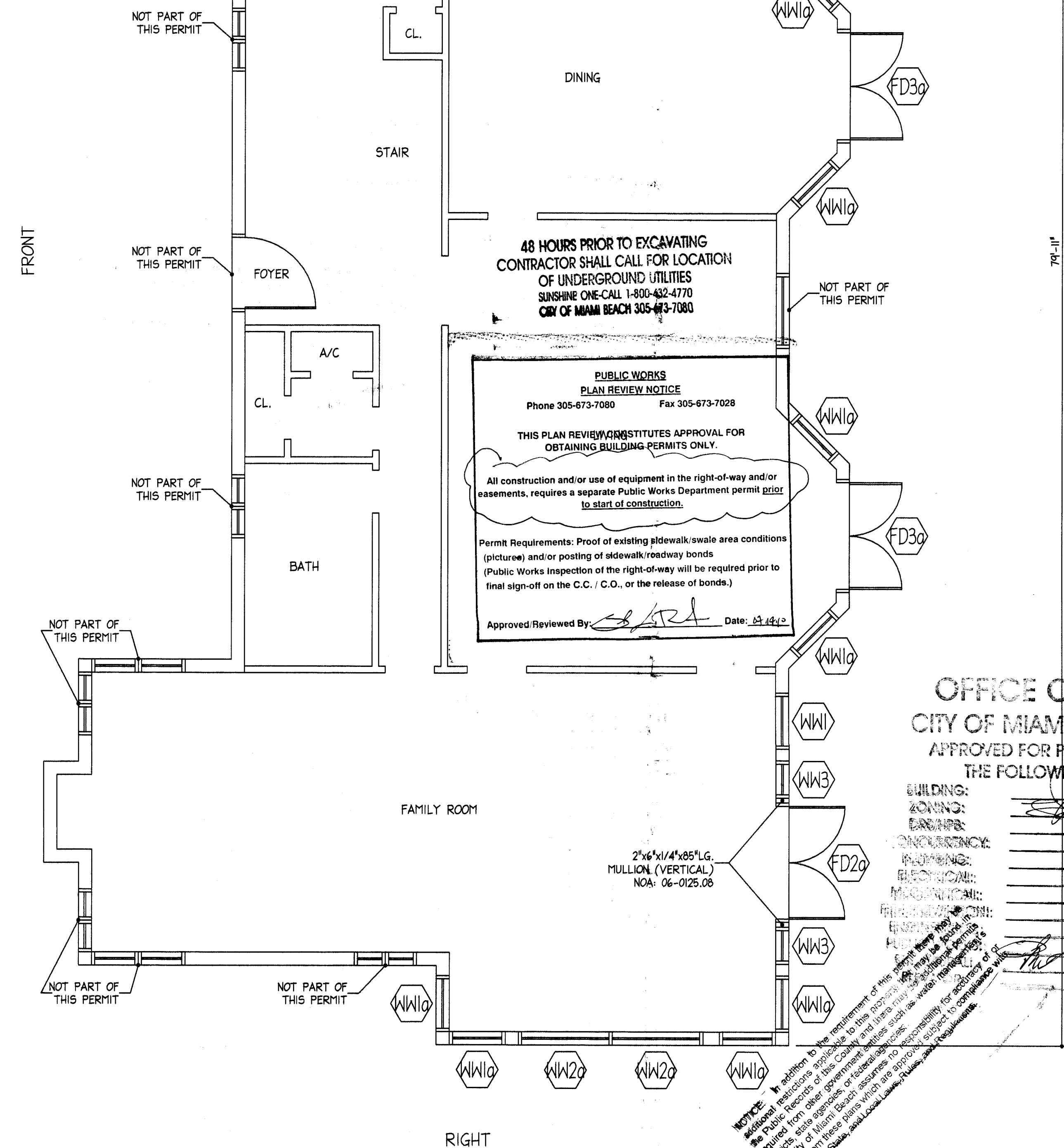
- 2 STORY BLDG. (23'-0" MEAN ROOF HEIGHT)
- BUILDING CATEGORY: II
- EXPOSURE 'C'
- ASSUME BUILDING FULLY ENCLOSED - ALL EXTERIOR OPENINGS ARE SHUTTERED OR IMPACT
- 146 M.P.H. WIND VELOCITY
- K.D. = 0.85
- ASCE 7-05 WIND CODE
- BASED UPON A MEAN ROOF HEIGHT & TRIBUTARY AREA AS SHOWN
- CONTRACTOR TO VERIFY DIMENSIONS

PRODUCT CONTROL APPROVAL:

- SERIES 'SMI-175' ALUMINUM WINDOW WALL SYSTEM-IMPACT BY SMITH MOUNTAIN IMPACT SYSTEMS BY PANDE PANE ACCEPTANCE #: 07-0924.02
- SERIES '100' ALUMINUM OUTSWING DOORS W/ SIDELITES-IMPACT BY DORALUM CORPORATION ACCEPTANCE #: 07-0109.08
- 2" x HEAVY WALL-ALUMINUM TUBE CLIPPED MULLIONS-IMPACT BY P.G.T. INDUSTRIES ACCEPTANCE #: 06-0125.08

LOAD TABLE FOR WINDOWS AND DOORS

MKS.	DESCRIPTION	WIDTH (Inches)	HEIGHT (Inches)	TRIBUT. AREA (Sq.Ft.)	ZONE	CONF.	DESIGN Press. (+psf) (-psf)	APPROVED Press. (+psf) (-psf)	MANUF.	RATING	GLAZE	PRODUCT APPROVAL N.O.A.#
WM1	WINDOW WALL	29	80	16.11	4	O	49.26 -53.57	90 -90	SMITH MOUNTAIN	IMPACT	GLAZING OPTION E	07-0924.02
WM1a	WINDOW WALL	29	80	16.11	5	O	49.26 -64.92	90 -90	SMITH MOUNTAIN	IMPACT	GLAZING OPTION E	07-0924.02
WM2a	WINDOW WALL (W/ REINF. & ANCHOR 'A3')	53.125	80	29.51	5	O	47.26 -60.92	100 -100	SMITH MOUNTAIN	IMPACT	GLAZING OPTION C	07-0924.02
WM3	WINDOW WALL	17.5	80	9.72	4	O	50.84 -55.14	90 -90	SMITH MOUNTAIN	IMPACT	GLAZING OPTION E	07-0924.02
WM3a	WINDOW WALL	17.5	80	9.72	5	O	50.84 -68.07	90 -90	SMITH MOUNTAIN	IMPACT	GLAZING OPTION E	07-0924.02
WM4a	WINDOW WALL (ANCHOR 'A2')	43.375	80	24.09	5	O	47.93 -62.26	90 -90	SMITH MOUNTAIN	IMPACT	GLAZING OPTION E	07-0924.02
WM5a	WINDOW WALL (W/ REINF. & ANCHOR 'A3')	75.875	80	42.15	5	O	46.08 -58.56	97.9 -97.9	SMITH MOUNTAIN	IMPACT	GLAZING OPTION C	07-0924.02
WM6a	WINDOW WALL (ANCHOR 'A2')	79.375	33.375	18.39	5	O	48.82 -64.04	90 -90	SMITH MOUNTAIN	IMPACT	GLAZING OPTION E	07-0924.02
WM7	WINDOW WALL	20	81	11.25	4	O	50.45 -54.76	90 -90	SMITH MOUNTAIN	IMPACT	GLAZING OPTION E	07-0924.02
WM7a	WINDOW WALL	20	81	11.25	5	O	50.45 -67.29	90 -90	SMITH MOUNTAIN	IMPACT	GLAZING OPTION E	07-0924.02
FD1	ALUMINUM DOOR	72	80	20	4	XX	48.55 -52.85	62 -81	DORALUM	IMPACT	GLAZING OPTION B	07-0109.08
FD2a	ALUMINUM DOOR	72	85	21.25	5	XX	48.35 -63.09	62 -81	DORALUM	IMPACT	GLAZING OPTION B	07-0109.08
FD3a	ALUMINUM DOOR	68	85	20.06	5	XX	48.54 -63.47	62 -81	DORALUM	IMPACT	GLAZING OPTION B	07-0109.08
FD4	ALUMINUM DOOR	36	85	21.25	4	X	48.35 -52.65	62 -81	DORALUM	IMPACT	GLAZING OPTION B	07-0109.08
FD4a	ALUMINUM DOOR	36	85	21.25	5	X	48.35 -63.09	62 -81	DORALUM	IMPACT	GLAZING OPTION B	07-0109.08
FD5	ALUMINUM DOOR	64	82	18.22	4	XX	48.85 -53.16	62 -81	DORALUM	IMPACT	GLAZING OPTION B	07-0109.08
FD5a	ALUMINUM DOOR	64	82	18.22	5	XX	48.85 -64.1	62 -81	DORALUM	IMPACT	GLAZING OPTION B	07-0109.08
FD6	ALUMINUM DOOR	53	87	16.01	4	XX	49.28 -53.59	62 -81	DORALUM	IMPACT	GLAZING OPTION B	07-0109.08
FD6a	ALUMINUM DOOR	53	87	16.01	5	XX	49.28 -64.96	62 -81	DORALUM	IMPACT	GLAZING OPTION B	07-0109.08
FD7a	ALUMINUM DOOR	72	86	21.5	5	XX	48.31 -63.01	62 -81	DORALUM	IMPACT	GLAZING OPTION B	07-0109.08



FIRST FLOOR PLAN

DATE: 06/18/10
DRAWN BY: A.A.D.S.
SCALE: 1/4"=1'
JOB #: 08-20-061610
CONTENT: WINDOWS INSTALLATION SHEET

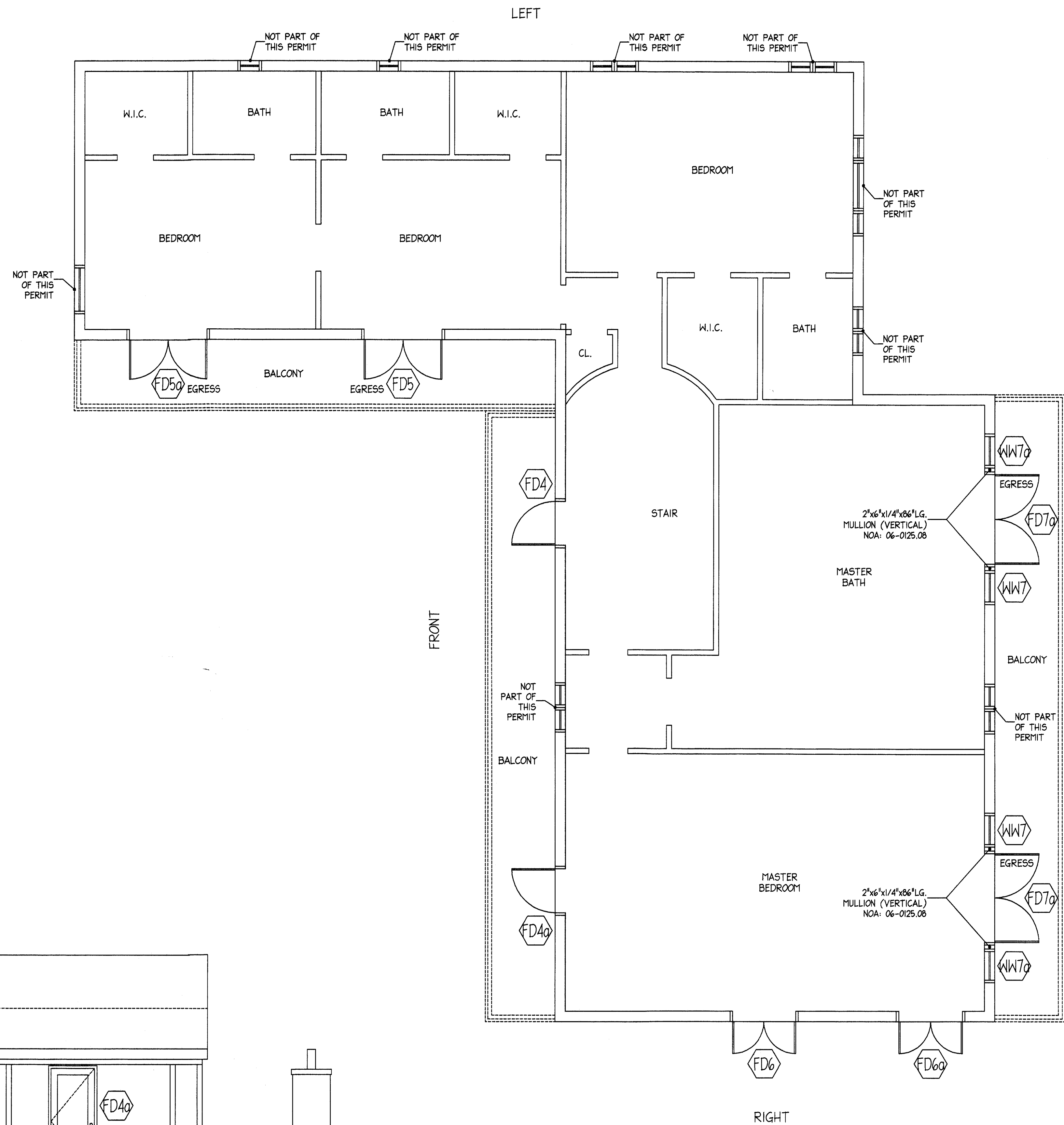
Residence located at:
2581 LAKE AVENUE
MIAMI BEACH, FLORIDA 33139

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

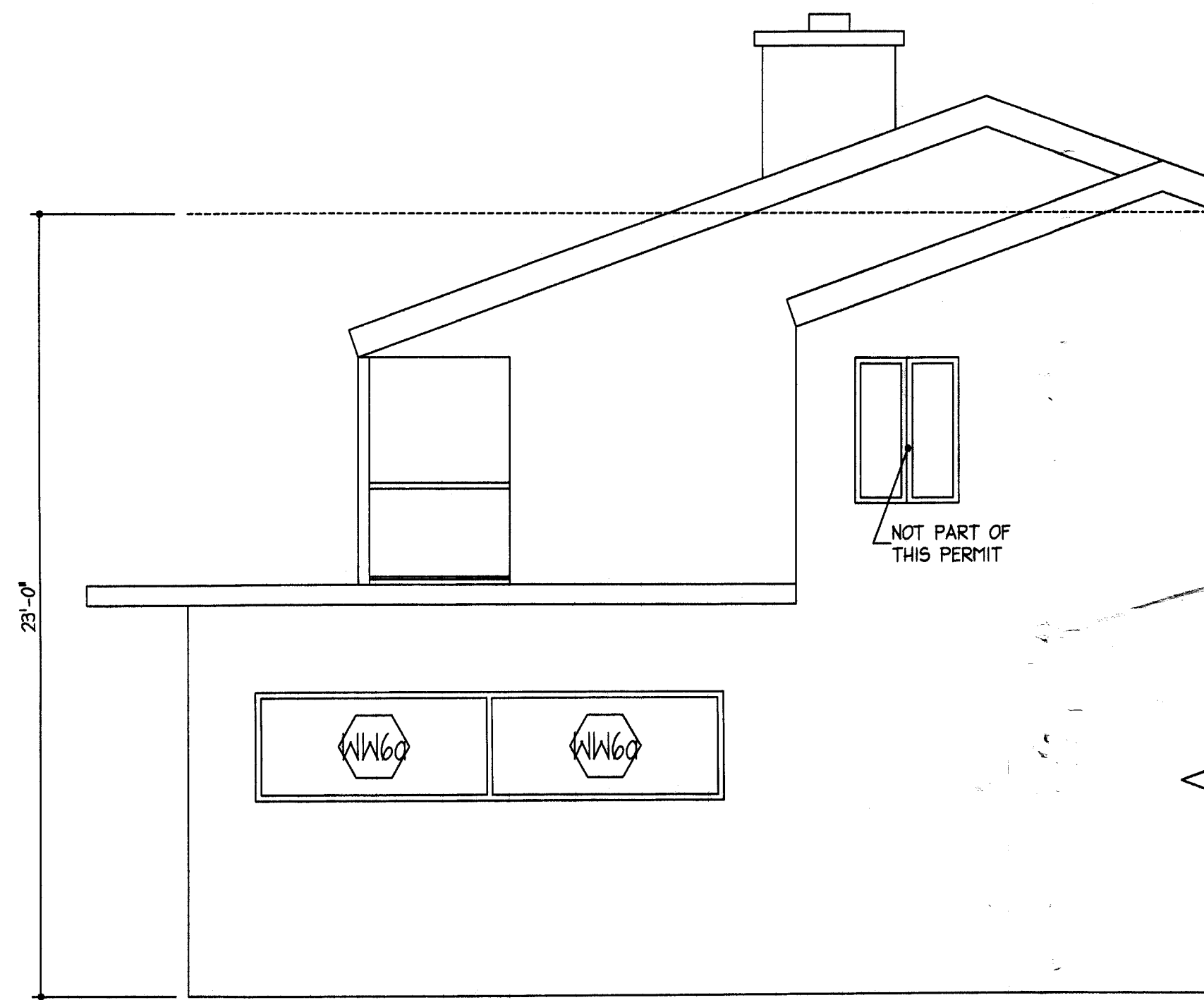
JORGE LLAMA
P.E. No. 60156
C.A. No. 27710
10010 SW 23rd TERRACE
MIAMI, FL 33165
PHONE: 305-892-3048
e-mail: jorgellama@hotmail.com

NOTE: In addition to the requirements of this permit, there may be additional restrictions applicable to this project. The contractor shall be responsible for obtaining all necessary permits from the City of Miami Beach and the Florida Department of Transportation. The City of Miami Beach reserves the right to modify or cancel this permit at any time without notice. The contractor shall be responsible for obtaining all necessary permits from the City of Miami Beach and the Florida Department of Transportation.

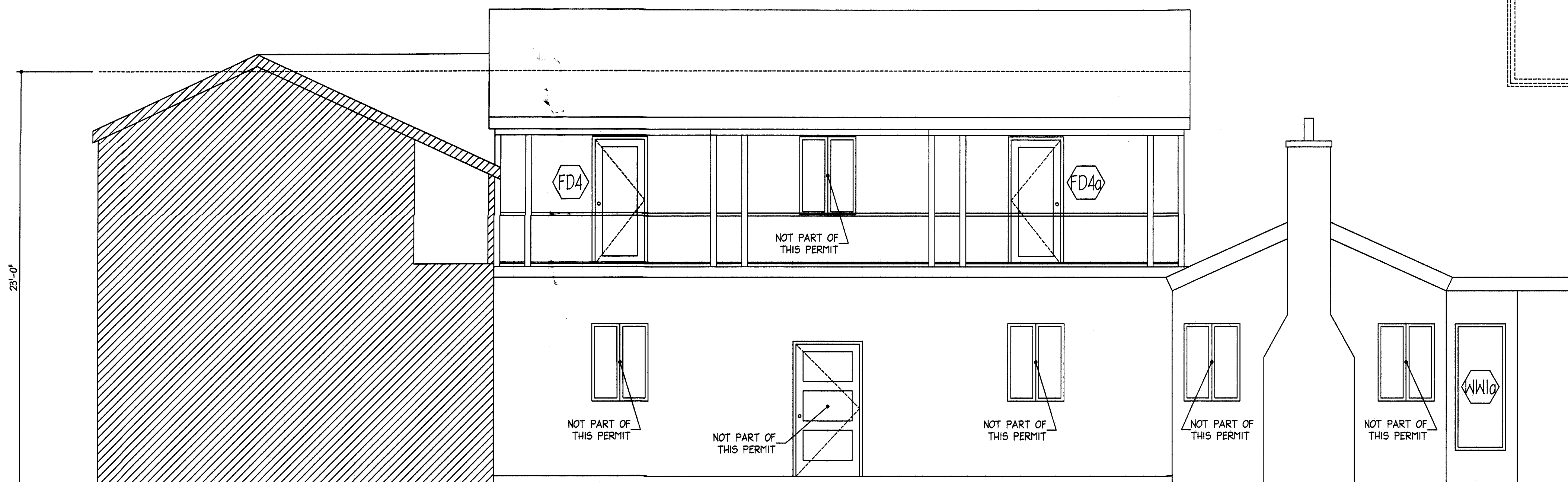
- NOTES:**
1. WINDOW FRAMES / MULLION ANCHORAGE TO MAIN STRUCTURE SHALL BE IN ACCORDANCE WITH THE UNIT'S NOTICE OF ACCEPTANCE (REFER TO PRODUCTS CONTROLS).
 2. ONLY THE OPENINGS THAT ARE IDENTIFIED WITH THEIR SIZES AND DESIGN PRESSURES ARE PART OF THIS PERMIT. ALL OTHER OPENINGS ARE NOT PART OF THIS PERMIT.
 3. THE MAIN WIND FORCE RESISTING SYSTEM OF THE STRUCTURE (I.E.: BEAMS, COLUMNS, FRAMING, ETC.) SHALL BE DESIGNED TO WITHSTAND THE LOADS POSED BY THE GLAZING. NO CALCULATIONS HAVE BEEN PERFORMED TO VERIFY THEIR ADEQUACY.
 4. EGRESS WINDOWS TO HAVE A MINIMUM OPENING AREA OF 5.7 SQ. FT. (5.0 SQ. FOR GROUND FLOOR) (FBC 1026.2), AND 24" HEIGHT MINIMUM, 20" WIDTH MINIMUM (FBC 1026.2.1)
 5. EGRESS WINDOWS TO BE NOT MORE THAN 44" ABOVE THE FLOOR (FBC 1026.3)



SECOND FLOOR PLAN



PARTIAL LEFT ELEVATION

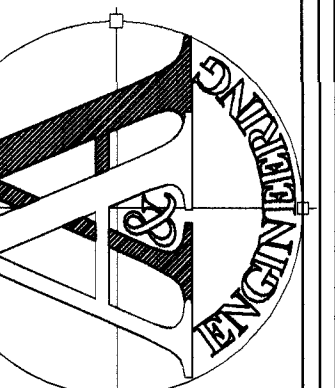


FRONT ELEVATION

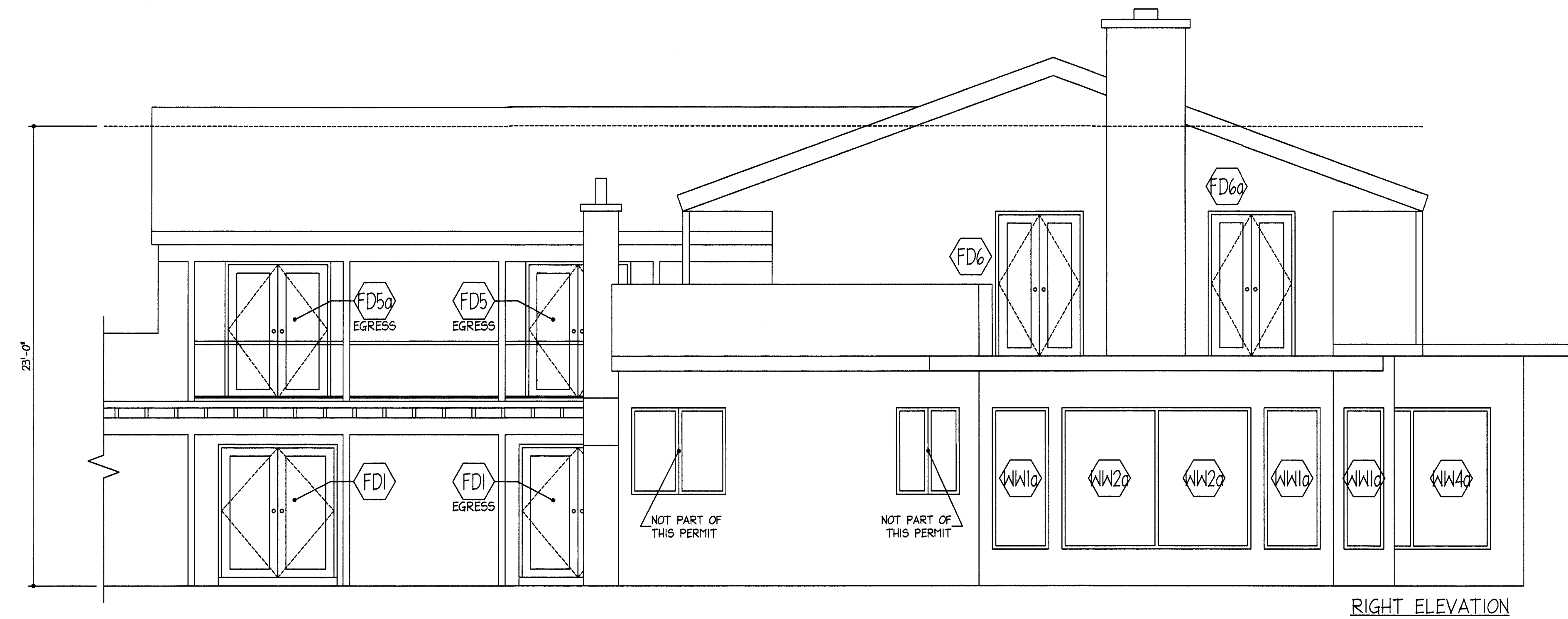
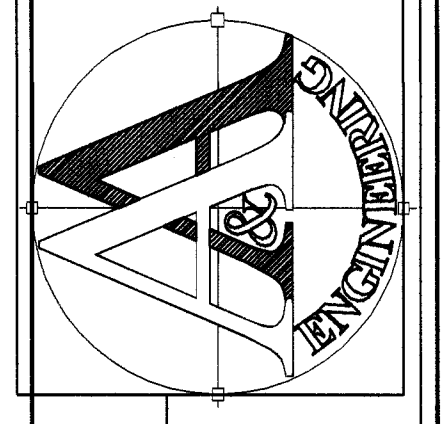
DATE: 06/18/10
DRAWN BY: A.A.D.S.
SCALE: 1/4"=1'
JOB #: 08-20-061610
CONTENT:
WINDOWS INSTALLATION
SHEET
2

Residence located at:
2581 LAKE AVENUE
MIAMI BEACH, FLORIDA 33139

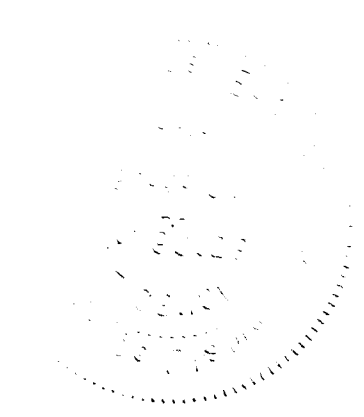
JORGE LLAMA
P.E. No. 60156
C.A. No. 27710
10010 SW 23rd TERRACE
MIAMI, FL 33165
PHONE: 305-992-3048
e-mail: jorgellama@hotmail.com



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PHONE: 305-992-3048
e-mail: jorgellama@hotmail.com



B1003864
8581 Lake A
Sunset 2
Office Copy



OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
BUILDING: 11/16/15
ZONING: 11/16/15
DRAINAGE: 11/16/15
CONCRETE: 11/16/15
PLUMBING: 11/16/15
ELECTRICAL: 11/16/15
MECHANICAL: 11/16/15
FIRE: 11/16/15
ENGINEERING: 11/16/15
PUBLIC WORKS: 11/16/15
STREET: 11/16/15

011170
011170

PERMIT #

BM50102175



CITY OF MIAMI BEACH
Building Department
1700 Convention Cir Drive, 2nd Floor
Miami Beach, Florida 33139
Inspection: (305) 673-7378 Office: (305) 673-7618

Miscellaneous Receipt

85-17-2801

Activity Number: BMS0102175

Status: APPROVED
Site Address: 2581 LAKE AV SE/SET 2 MBRH
Parcel #: 12270100070
Valuation: \$0.00
Applicant: JOHN A. TURCHIN CONSTRUCTION
1835 PURDY AVE
MIAMI BEACH FL 33139
905-672-4702
Property Owner: JTD INC
1835 PURDY AVE
MIAMI BEACH FL 33139
905-672-4702
Description: Revis to B0102055 (Elec/Mech/Plumb/Sprink)
Inspector Area: 5
Class Code: REVIS
Fees Summary
Total of All Fees: \$200.00
Total of Payments: \$200.00
Balance Due: \$0.00

CITY OF MIAMI BEACH
Building Department
1700 Convention Cir Drive, 2nd Floor
Miami Beach, Florida 33139
Inspection: (305) 673-7378 Office: (305) 673-7618

Miscellaneous Receipt

85-18-2901

Activity Number: BMS0102175

Name: APPROVED
Site Address: 2581 LAKE AV SE/SET 2 MBRH
Parcel #: 12270100070
Valuation: \$0.00
Applicant: JOHN A. TURCHIN CONSTRUCTION
1835 PURDY AVE
MIAMI BEACH FL 33139
905-672-4702
Property Owner: JTD INC
1835 PURDY AVE
MIAMI BEACH FL 33139
905-672-4702
Description: Revis to B0102055 (Elec/Mech/Plumb/Sprink)
Inspector Area: 5
Class Code: REVIS
Fees Summary
Total of All Fees: \$200.00
Total of Payments: \$200.00
Balance Due: \$0.00

CITY OF MIAMI BEACH
BMS 0102175 / 2581 Lake Ave / Turchin Res.
Renovating (Revision to B0102055)

Review by M. S. KHAN, P.E. (REVISION MARKED)
A/E: KLEIN DESIGN GROUP

1. Refer to Tralls detail on Sh. A-3; Tralls require to uplift about same top reinforcement.
 2. Provide Mr. Dade NOA for the post anchors & other anchors shown on Sh. A-3; Tralls detail.
 3. Refer to Sh. A-2; Existing header detail / elevations plan & 1/4" scale plan of the same; show on 1/4" plan the header span and replacement area correctly; coordinate w/ 1/4" plans. Provide notes for double studs connections @ top & bottom for horizontal wind loads from the slab/diaphragms. Provide NOA for the anchors specified and verify shear capacity against lateral loads and uplift capacity against roof uplift. Coordinate stud sizes & rebar discrepancies.
- On Sh. A-5 joint repair note: add reference to the detail shown on Sh. A-2 & provide NOA for all anchors specified; same applies to Sh. A-7.

09

Phone: (305) 673-7610
Fax: (305) 673-7857

Address _____
Date _____
Record Number _____

DESCRIPTION OF WORK
ARCHITECT/ENGINEER INFORMATION
NAME _____ TELEPHONE _____

The following revisions, corrections or added information to the submitted plans shall be required or is suggested:

1. What is the purpose of the experiment?
 2. What are the variables in the experiment?
 3. What is the hypothesis of the experiment?
 4. What are the results of the experiment?
 5. What are the conclusions of the experiment?
 6. What are the limitations of the experiment?
 7. What are the implications of the experiment?
 8. What are the future directions of the experiment?
 9. What are the ethical considerations of the experiment?
 10. What are the safety considerations of the experiment?

All comments summarized on this sheet represent the preliminary findings of City Staff based upon material reviewed with the applicant(s). These findings may be subject to change based upon review of new material submitted to address the comments and concerns herein.

Planning Sept

• BOUNDARY SURVEY.

LEGAL DESCRIPTION:
LOT 7, BLOCK 2, SUNSET LAKE EXTENSION, adjoining to the SW 1/4 of
thereof, as recorded in Plat Book 40, Page 21, of the Public
Records of Miami-Dade County, Florida.

SURVEY FOR:
John A. Turchin Construction, Inc.
2531 Lake Avenue, Miami Beach, FL 33140

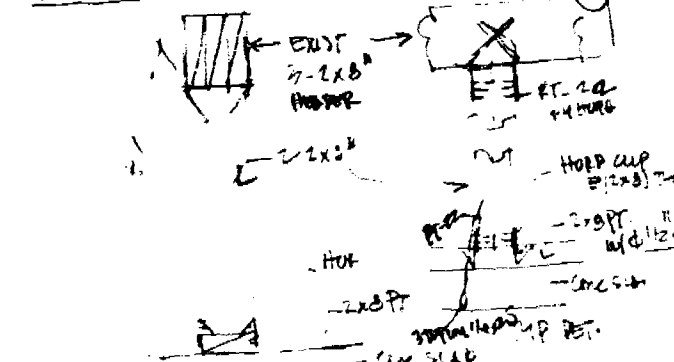
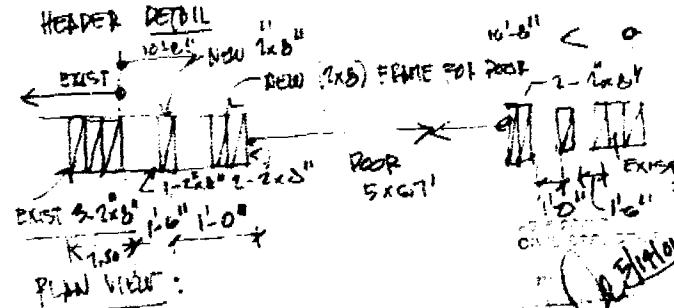
CERTIFIED TO:
John A. Darchin Construction, Inc.

LOCATION MAP

09

4/27/01
SECTION
2501 LANE DR

Page 6.2
SECOND FLOOR
P = 58.3 per ft
P = 38.3 x 2.5 = 146.5 ft
M = 8.3 x 146.5 = 1176 ft-ft



4/27/01

TUPSON
2501 LANE DR

2-1x8

M = 1176 ft-ft

G = 117 x 12 = 14.04 in

1x8

1x8 → 1.17 x 12 = 1.41 in

G = 16.8 in

2-2x8

2-2x8 → 2.34 x 12 = 28.08 in

G = 16.8 in

4x8

P = 8 x 116 = 928

4x8 → 584 = 146 ft

2x8 → 184 = 46 ft

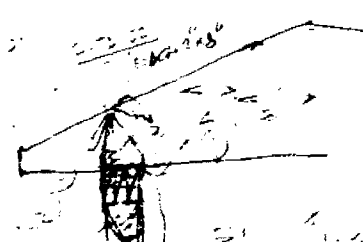
2x8

1x8

2x8

2x8

2x8



2x8

2x8

2x8

2x8

2x8

2x8

2x8

2x8

2x8

2x8

2x8

09

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE PLASTER BUILDING
BUILDING CODE COMPLIANCE OFFICE
METRO-DADE PLASTER BUILDING
140 WEST FLAGLER STREET, SUITE 1400
MIAMI, FLORIDA 33136-1883
(305) 375-2901 FAX (305) 375-2908

PRODUCT CONTROL NOTICE OF ACCEPTANCE
Southeastern Metals Manufacturing Co., Inc.
11801 Industry Drive
Jacksonville FL 32216

CONTRACTOR EXEMPTION SECTION
(305) 375-2377 FAX (305) 375-2358

CONTRACTOR EXEMPTION SECTION
(305) 375-2901 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2907 FAX (305) 375-2350

Your application for Product Approval of *Marine Anchors & Joint Supports* under Chapter 8 of the Metropolitan Dade County Code governing the use of Alternate Materials and Types of Construction, and completely described in the plans, specifications and calculations as submitted by applicant, along with drawings prepared by *Sevco and less reports prepared by Atac Associates, Inc. and Product Testing, Inc.* has been recommended for acceptance by the Building Code Compliance office to be used in Dade County, Florida under the specific conditions set forth on pages 2 et seq. and the Standard Conditions on page 3.

This approval shall not be valid after the expiration date stated below. The Office of Code Compliance reserves the right to require this product or material to be tested by a laboratory or manufacturer's plant for quality control testing. If this product or material fails to perform as the approved manner, the Code Compliance Office may revoke, modify, or suspend the use of such product or material immediately. The applicant shall re-evaluate this product or material should any nonconformance to the South Florida Building Code be enacted affecting this product or material. The Building Code Compliance Office reserves the right to revoke this approval, if it is determined by the Building Code Compliance Office 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: 98-1816-01
Expires: 01/11/02

Paul Rodriguez
Product Control Supervisor

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

BUILDING CODE COMMITTEE
This application for Product Approval has been reviewed by the Metropolitan Dade County Building Code Compliance Department and approved by the Building Code Committee to be used in Dade County, Florida under the conditions set forth above.

Chris Dwyer
Director
Building Code Compliance Dept
Metropolitan Dade County

Approved: 12/15/98

Internet email address: productcontrol@buildingcode.com Homepage: <http://www.buildingcode.com>

Southeastern Metals Mfg. Co., Inc.

ACCEPTANCE NO: 98-1816-01
APPROVED: DEC 15 1998
EXPIRES: 01/11/02

NOTICE OF ACCEPTANCE-SPECIFIC CONDITIONS

1. **SCOPE**
This Notice of Acceptance No. 98-1816-01 which was issued on 12/11/98, it approves and certifies the use of the product 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 actual loads as determined by SFBC Chapter 21, do not exceed the design load indicated in the approved drawings.
2. **PRODUCT DESCRIPTION**
The *Sevco Weld Connectors* shall be fabricated and used in strict compliance with the following documents:
Drawing No. 98-1816-01, titled "Marine Anchors & Joint Supports", prepared by Southeastern Metals Mfg. Co., Inc., dated 11/03/98 sheet 1 and 2 of 2, bearing the *Metropolitan Dade County Product Control Approval* stamp with the Notice of Acceptance number and approved date by the Miami-Dade Product Control Division. These documents shall hereinafter be referred to as the approved drawings.
3. **LIMITATIONS**
3.1 Allowable loads are for Southern Yellow Pine with a specific gravity of 0.55 and moisture content of 19% or less.
3.2 Allowable loads are based on testing per ASTM D1761 and calculations per National Design Specifications for wood construction 1991 Edition.
4. **INSTALLATION**
The wood connection shall be installed in strict compliance with the approved drawings.
- 4.1
5. **LABELING**
5.1 Each wood connection shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved".
6. **BUILDING PERMIT**
6.1 Application for Building Permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance
6.1.2 Duplicate copies of the approved drawings as identified in Section 2 of this Notice of Acceptance, clearly marked to show the locations and angles selected for the proposed installation.
6.1.3 Any other documents required by the Building Official or the SFBC in order to properly evaluate the installation of these products.

Paul Rodriguez
Paul Rodriguez, P.E., Sr. Product Control Examiner
Product Control Division

-2-

Southeastern Metals Mfg. Co., Inc.

ACCEPTANCE NO: 98-1816-01
APPROVED: DEC 15 1998
EXPIRES: 01/11/02

NOTICE OF ACCEPTANCE-STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance: will not be considered if:
a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code 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 preceded by the word: 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 distributor and shall be available for inspection at the job site at all time. The engineer need 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 this last page 3.

Paul Rodriguez
Paul Rodriguez, P.E., Sr. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

09

GENERAL NOTES:

1. All steel shall be A36 or A572 Gr. 50, unless otherwise specified.
2. All steel shall be galvanized to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.2.
3. All steel shall be painted to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.3.
4. All steel shall be fireproofed to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.4.
5. All steel shall be tested to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.5.
6. All steel shall be installed to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.6.
7. All steel shall be maintained to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.7.
8. All steel shall be replaced to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.8.
9. All steel shall be repaired to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.9.
10. All steel shall be removed to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.10.

SEMCOR
 1000 N. W. 10th Ave., Suite 100
 Fort Lauderdale, FL 33304
 (305) 555-1000
 FAX (305) 555-1001
 WWW.SEMCOR.COM

GENERAL NOTES:

1. All steel shall be A36 or A572 Gr. 50, unless otherwise specified.
2. All steel shall be galvanized to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.2.
3. All steel shall be painted to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.3.
4. All steel shall be fireproofed to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.4.
5. All steel shall be tested to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.5.
6. All steel shall be installed to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.6.
7. All steel shall be maintained to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.7.
8. All steel shall be replaced to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.8.
9. All steel shall be repaired to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.9.
10. All steel shall be removed to meet the requirements of the Florida Building Code, Chapter 9, Section 905.2.10.

SEMCOR
 1000 N. W. 10th Ave., Suite 100
 Fort Lauderdale, FL 33304
 (305) 555-1000
 FAX (305) 555-1001
 WWW.SEMCOR.COM

METROPOLITAN DADE COUNTY, FLORIDA
METRO DADE FLAGLER BUILDING
BUILDING CODE COMPLIANCE OFFICE
 142 WEST FLAGLER STREET, SUITE 1603
 MIAMI, FLORIDA 33135-2903
 (305) 375-2903
 FAX (305) 375-2904

PRODUCT CONTROL NOTICE OF ACCEPTANCE

United Steel Products, Inc.
 783 Rogers Drive
 Montgomery, MN 56069

PRODUCT CONTROL DIVISION
 (305) 375-2902
 FAX (305) 375-2903

Your application for Product Approval of **Face Mount Joist Hangers and Framing Angles** governing the use of Alternate Materials and under Chapter 8 of the Metropolitan Dade County Code, governing the use of Alternate Materials and Types of Construction, and completely described in the plans, specifications and calculations as submitted by Applicant, along with United Steel Products drawing # MDADE 2, sheet 1 of 1, dated 05/12/98, signed and sealed by T.A. Kalden P.E. has been recommended for acceptance by the Building Code Compliance office to be used in Dade County, Florida under the specific conditions set forth on pages 2 et. seq. and the Standard Conditions on page 3.

This approval shall not be valid after the expiration date stated below. The Office of Code Compliance reserves the right to secure this product or material at anytime from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, the Code Compliance Office may revoke, modify, or suspend the use of such product or material immediately. The applicant shall re-evaluate this product or material should any amendments to the South Florida Building Code be enacted affecting this product or material. The Building Code Compliance Office reserves the right to revoke this approval, if it is determined by the Building Code Compliance Office 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.: **98-0421.04**
 Expires: **07/09/01**

Karl Rodriguez
 Product Control Supervisor

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

BUILDING CODE COMMITTEE

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

Conner Dargatzis
 Director
 Building Code Compliance Dept.
 Metropolitan Dade County

Approved: **07/09/98**

Internet Mail Address: postmaster@buildingcode.com Homepage: http://www.bldgcode.com



United Steel Products, Inc.

ACCEPTANCE NO.: 98-0421.06
APPROVED : JUL 0 5 1999
EXPIRES : JUL 0 9 2001

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE
1.1 This approval United Steel Products, Joist Hangers Series JUS and Framing Angles Series C, JA & MP, 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 actual loads as determined by SFBC Chapter 23, do not exceed the allowable load indicated in the approved drawings.
2. PRODUCT DESCRIPTION
2.1 The United Steel Products, Joist Hangers Series JUS and Framing Angles Series C, JA & MP shall be fabricated and used in strict compliance with the following documents: Drawing No. MDADE 2, titled "JUS Face Mount Hangers and C, JA & MP Framing Angles", approved by United Steel Products Company, dated 05/12/98 sheet 1 of 1, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade Product Control Division. These documents shall hereinafter be referred to as the approved drawings.
3. LIMITATIONS
3.1 Allowable loads are for Southern Yellow Pine with a specific gravity of 0.55 and moisture content of 19% or less.
3.2 Allowable loads are based on testing per ASTM D1761 and calculations per National Design Specifications for wood construction 1991 Edition.
4. INSTALLATION
4.1 The Joist Hangers and Framing Angles shall be installed in strict compliance with the approved drawings.
5. LABELING
5.1 Each hanger and angle shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved".
6. BUILDING PERMIT
6.1 Application for Building Permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance
6.1.2 Duplicate copies of the approved drawings as identified in Section 2 of this Notice of Acceptance, clearly marked to show the hangers and angles selected for the proposed installation.
6.1.3 Any other document required by the Building Official or the SFBC in order to properly evaluate the installation of these products.

Candido Font, P.E. Sr. Product Control Examiner
Product Control Division

United Steel Products, Inc.

ACCEPTANCE NO.: 98-0421.06
APPROVED : JUL 0 9 1998
EXPIRES : JUL 0 9 2001

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
b) The product is no longer the same product (identical) as the one originally approved.
c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, size, 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 times. The engineer need not reveal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

Candido Font, P.E. Sr. Product Control Examiner
Product Control Division
END OF THIS ACCEPTANCE

JUS JOIST HANGERS

JOIST SIZE	HANGER SIZE	ALLOWABLE LOAD (LB)
2x6	2x6	1000
2x8	2x8	1200
2x10	2x10	1400
2x12	2x12	1600
2x14	2x14	1800
2x16	2x16	2000
2x18	2x18	2200
2x20	2x20	2400
2x22	2x22	2600
2x24	2x24	2800
2x26	2x26	3000
2x28	2x28	3200
2x30	2x30	3400
2x32	2x32	3600
2x34	2x34	3800
2x36	2x36	4000
2x38	2x38	4200
2x40	2x40	4400
2x42	2x42	4600
2x44	2x44	4800
2x46	2x46	5000
2x48	2x48	5200
2x50	2x50	5400
2x52	2x52	5600
2x54	2x54	5800
2x56	2x56	6000
2x58	2x58	6200
2x60	2x60	6400
2x62	2x62	6600
2x64	2x64	6800
2x66	2x66	7000
2x68	2x68	7200
2x70	2x70	7400
2x72	2x72	7600
2x74	2x74	7800
2x76	2x76	8000
2x78	2x78	8200
2x80	2x80	8400
2x82	2x82	8600
2x84	2x84	8800
2x86	2x86	9000
2x88	2x88	9200
2x90	2x90	9400
2x92	2x92	9600
2x94	2x94	9800
2x96	2x96	10000
2x98	2x98	10200
2x100	2x100	10400
2x102	2x102	10600
2x104	2x104	10800
2x106	2x106	11000
2x108	2x108	11200
2x110	2x110	11400
2x112	2x112	11600
2x114	2x114	11800
2x116	2x116	12000
2x118	2x118	12200
2x120	2x120	12400
2x122	2x122	12600
2x124	2x124	12800
2x126	2x126	13000
2x128	2x128	13200
2x130	2x130	13400
2x132	2x132	13600
2x134	2x134	13800
2x136	2x136	14000
2x138	2x138	14200
2x140	2x140	14400
2x142	2x142	14600
2x144	2x144	14800
2x146	2x146	15000
2x148	2x148	15200
2x150	2x150	15400
2x152	2x152	15600
2x154	2x154	15800
2x156	2x156	16000
2x158	2x158	16200
2x160	2x160	16400
2x162	2x162	16600
2x164	2x164	16800
2x166	2x166	17000
2x168	2x168	17200
2x170	2x170	17400
2x172	2x172	17600
2x174	2x174	17800
2x176	2x176	18000
2x178	2x178	18200
2x180	2x180	18400
2x182	2x182	18600
2x184	2x184	18800
2x186	2x186	19000
2x188	2x188	19200
2x190	2x190	19400
2x192	2x192	19600
2x194	2x194	19800
2x196	2x196	20000
2x198	2x198	20200
2x200	2x200	20400
2x202	2x202	20600
2x204	2x204	20800
2x206	2x206	21000
2x208	2x208	21200
2x210	2x210	21400
2x212	2x212	21600
2x214	2x214	21800
2x216	2x216	22000
2x218	2x218	22200
2x220	2x220	22400
2x222	2x222	22600
2x224	2x224	22800
2x226	2x226	23000
2x228	2x228	23200
2x230	2x230	23400
2x232	2x232	23600
2x234	2x234	23800
2x236	2x236	24000
2x238	2x238	24200
2x240	2x240	24400
2x242	2x242	24600
2x244	2x244	24800
2x246	2x246	25000
2x248	2x248	25200
2x250	2x250	25400
2x252	2x252	25600
2x254	2x254	25800
2x256	2x256	26000
2x258	2x258	26200
2x260	2x260	26400
2x262	2x262	26600
2x264	2x264	26800
2x266	2x266	27000
2x268	2x268	27200
2x270	2x270	27400
2x272	2x272	27600
2x274	2x274	27800
2x276	2x276	28000
2x278	2x278	28200
2x280	2x280	28400
2x282	2x282	28600
2x284	2x284	28800
2x286	2x286	29000
2x288	2x288	29200
2x290	2x290	29400
2x292	2x292	29600
2x294	2x294	29800
2x296	2x296	30000
2x298	2x298	30200
2x300	2x300	30400
2x302	2x302	30600
2x304	2x304	30800
2x306	2x306	31000
2x308	2x308	31200
2x310	2x310	31400
2x312	2x312	31600
2x314	2x314	31800
2x316	2x316	32000
2x318	2x318	32200
2x320	2x320	32400
2x322	2x322	32600
2x324	2x324	32800
2x326	2x326	33000
2x328	2x328	33200
2x330	2x330	33400
2x332	2x332	33600
2x334	2x334	33800
2x336	2x336	34000
2x338	2x338	34200
2x340	2x340	34400
2x342	2x342	34600
2x344	2x344	34800
2x346	2x346	35000
2x348	2x348	35200
2x350	2x350	35400
2x352	2x352	35600
2x354	2x354	35800
2x356	2x356	36000
2x358	2x358	36200
2x360	2x360	36400
2x362	2x362	36600
2x364	2x364	36800
2x366	2x366	37000
2x368	2x368	37200
2x370	2x370	37400
2x372	2x372	37600
2x374	2x374	37800
2x376	2x376	38000
2x378	2x378	38200
2x380	2x380	38400
2x382	2x382	38600
2x384	2x384	38800
2x386	2x386	39000
2x388	2x388	39200
2x390	2x390	39400
2x392	2x392	39600
2x394	2x394	39800
2x396	2x396	40000
2x398	2x398	40200
2x400	2x400	40400
2x402	2x402	40600
2x404	2x404	40800
2x406	2x406	41000
2x408	2x408	41200
2x410	2x410	41400
2x412	2x412	41600
2x414	2x414	41800
2x416	2x416	42000
2x418	2x418	42200
2x420	2x420	42400
2x422	2x422	42600
2x424	2x424	42800
2x426	2x426	43000
2x428	2x428	43200
2x430	2x430	43400
2x432	2x432	43600
2x434	2x434	43800
2x436	2x436	44000
2x438	2x438	44200
2x440	2x440	44400
2x442	2x442	44600
2x444	2x444	44800
2x446	2x446	45000
2x448	2x448	45200
2x450	2x450	45400
2x452	2x452	45600
2x454	2x454	45800
2x456	2x456	46000
2x458	2x458	46200
2x460	2x460	46400
2x462	2x462	46600
2x464	2x464	46800
2x466	2x466	47000
2x468	2x468	47200
2x470	2x470	47400
2x472	2x472	47600
2x474	2x474	47800
2x476	2x476	48000
2x478	2x478	48200
2x480	2x480	48400
2x482	2x482	48600
2x484	2x484	48800
2x486	2x486	49000
2x488	2x488	49200
2x490	2x490	49400
2x492	2x492	49600
2x494	2x494	49800
2x496	2x496	50000
2x498	2x498	50200
2x500	2x500	50400
2x502	2x502	50600
2x504	2x504	50800
2x506	2x506	51000
2x508	2x508	51200
2x510	2x510	51400
2x512	2x512	51600
2x514	2x514	51800
2x516	2x516	52000
2x518	2x518	52200
2x520	2x520	52400
2x522	2x522	52600
2x524	2x524	52800
2x526	2x526	53000
2x528	2x528	53200
2x530	2x530	53400
2x532	2x532	53600
2x534	2x534	53800
2x536	2x536	54000
2x538	2x538	54200
2x540	2x540	54400
2x542	2x542	54600
2x544	2x544	54800



PRODUCT CONTROL NOTICE OF ACCEPTANCE

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
BUILDING CODE COMPLIANCE DEPT.
METRO-DADE FLAGLER BUILDING
144 WEST FLAGLER STREET, SUITE 1400
MIAMI, FLORIDA 33135-1400
(305) 375-2901 FAX (305) 375-2908
CONTRACTOR LICENSING SECTION
(305) 375-2327 FAX (305) 375-2328
CONTRACTOR EXAMINER SECTION
(305) 375-2906 FAX (305) 375-2908
PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 375-2918

Your application for Product Approval of:
Wood Connectors
under Chapter 9 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Officer (BCCO) under the conditions specified herein.

This approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material in any time from a job site 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 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.: **98-1016-08**

Expires: **02/15/2002**

Rafael Rodriguez
Rafael Rodriguez
Chief Product Control Division

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

BUILDING CODE & PRODUCT REVIEW COMMITTEE

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

Francisco J. Quintana, R.A.
Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Officer

Approved: **02/11/1999**

1 of 3

Southeastern Metals Mfg. Co., Inc.

ACCEPTANCE NO.: **98-1016-08**

APPROVED: **FEB 11 1999**

EXPIRES: **02/15/2002**

NOTICE OF ACCEPTANCE-SPECIFIC CONDITIONS

1. SCOPE
1.1 This notice of Acceptance No. 98-1016-08 is issued on 02/11/99. It approves wood connectors, 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 actual loads as determined by SFBC Chapter 23, do not exceed the design load indicated in the approved drawings.
2. PRODUCT DESCRIPTION
2.1 The *Southern Wood Connectors* shall be fabricated and used in strict compliance with the following documents:
Drawing No. 98-0624 01, titled "Wood Connectors", prepared by *Southeastern Metals Mfg. Co., Inc.*, dated 1/15/99 sheet 1 of 1. The drawings shall bear the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.
3. LIMITATIONS
3.1 Allowable loads are for Southern Yellow Pine with a specific gravity of 0.51 and moisture content of 19% or less.
3.2 Allowable loads are based on testing per ASTM D1761 and calculations per National Design Specifications for wood construction 1991 Edition.
4. INSTALLATION
4.1 The wood connectors shall be installed in strict compliance with the approved drawings.
5. LABELING
5.1 Each wood connector shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved"
6. BUILDING PERMIT
6.1 Application for Building Permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance
6.1.2 Duplicate copies of the approved drawings as identified in Section 2 of this Notice of Acceptance, clearly marked to show the hanger's end angles selected for the proposed installation
6.1.3 Any other document required by the Building Official or the SFBC in order to properly evaluate the installation of these products.

Candido Fari, P.E., Sr.
Candido Fari, P.E., Sr.
Product Control Examiner
Product Control Division

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Southeastern Metals Mfg. Co., Inc.

ACCEPTANCE NO.: **98-1016-08**

APPROVED: **FEB 11 1999**

EXPIRES: **02-15-2002**

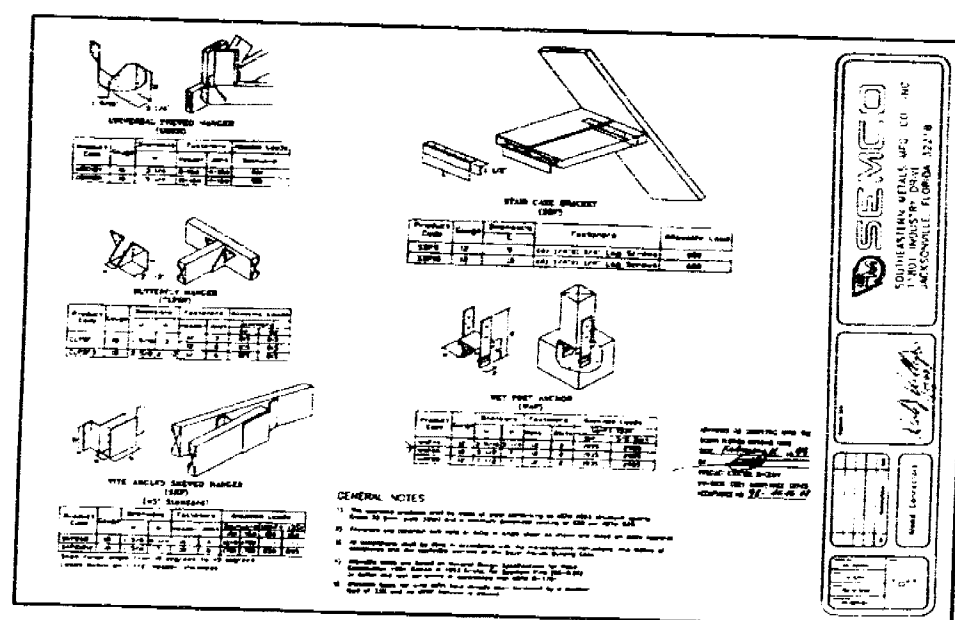
NOTICE OF ACCEPTANCE-STANDARD CONDITIONS

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 approval: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
b) The product is no longer the same product (identical) as the one originally approved.
c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, or/and 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 the product or process.
b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words 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, when 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 need 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 this last page 3.

Candido Fari, P.E., Sr.
Candido Fari, P.E., Sr.
Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE
3 of 3

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MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
11100 N. W. 11th Avenue, Suite 100
Miami, Florida 33150-1100
(305) 472-7800 FAX (305) 472-7801

PRODUCT CONTROL NOTICE OF ACCEPTANCE
United Steel Products Company
783 Rogers Drive (P.O. Box 89)
Montgomery, MN 56069

CONSTRUCTION LITIGATION SECTION
(305) 472-2227 FAX (305) 472-2228
CONTRACTS SECTION (305) 472-2229
DESIGN SECTION (305) 472-2230
PERMITS SECTION (305) 472-2231

Your application for Notice of Acceptance (NOA) of Various Connectors 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 public 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: **08-0913.07**
EXPIRES: **12/07/2008**

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: **12/07/2008**

Raul Rodriguez
Chief Product Control Division

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

United Steel Products Company

ACCEPTANCE NO: **08-0913.07**
APPROVED: **DEC 07 2008**
EXPIRES: **12/07/2008**

NOTICE OF ACCEPTANCE-SPECIFIC CONDITIONS

- SCOPE**
This notice and revised the Notice of Acceptance No. 97-0507.01, which was issued on 10/09/97. It approves wood connectors, 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 actual loads as determined by SFBC Chapter 23, do not exceed the design load indicated in the approved drawings.
- PRODUCT DESCRIPTION**
The USP Wood Connectors shall be fabricated and used in strict compliance with the following documents: Drawing No. 1000000 and sheets 1 & 2, titled "USP AND TA SERIES", prepared by United Steel Products Company, dated 10/06/00 with no revisions. The drawings shall bear 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**
Allowable loads are for Southern Yellow Pine or better with a specific gravity of 0.55 and moisture content of 19% or less.
Allowable loads are based on testing per ASTM D1761 and calculations per National Design Specifications for Wood Construction 1991 Edition & 1993 Edition.
- INSTALLATION**
The wood connectors shall be installed in strict compliance with the approved drawings.
- LABELING**
Each wood connector shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved".
- BUILDING PERMIT**
Application for Building Permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance.
6.1.2 Duplicate copies of the approved drawings as identified in Section 2 of this Notice of Acceptance, clearly marked to show the hangers and angles selected for the proposed installation.
6.1.3 Any other document required by the Building Official or the SFBC in order to properly evaluate the installation of these products.

Candido Fort, PE, Sr. Product Control Examiner
Product Control Division

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GENERAL NOTES

1. This document is for informational purposes only and does not constitute a contract.
2. The user of this document is responsible for obtaining the necessary permits and approvals from the appropriate authorities.
3. The user of this document is responsible for ensuring that the design and construction of the structure comply with the applicable building codes and standards.
4. The user of this document is responsible for ensuring that the structure is properly maintained and inspected.
5. The user of this document is responsible for ensuring that the structure is properly labeled and identified.

8" CHUTE PER SERIES

Product	Dimension	Feature	Aluminum Load
RT10	10"	10"	1000
RT12	12"	12"	1200
RT14	14"	14"	1400
RT16	16"	16"	1600
RT18	18"	18"	1800
RT20	20"	20"	2000
RT22	22"	22"	2200
RT24	24"	24"	2400
RT26	26"	26"	2600
RT28	28"	28"	2800
RT30	30"	30"	3000
RT32	32"	32"	3200
RT34	34"	34"	3400
RT36	36"	36"	3600
RT38	38"	38"	3800
RT40	40"	40"	4000
RT42	42"	42"	4200
RT44	44"	44"	4400
RT46	46"	46"	4600
RT48	48"	48"	4800
RT50	50"	50"	5000
RT52	52"	52"	5200
RT54	54"	54"	5400
RT56	56"	56"	5600
RT58	58"	58"	5800
RT60	60"	60"	6000
RT62	62"	62"	6200
RT64	64"	64"	6400
RT66	66"	66"	6600
RT68	68"	68"	6800
RT70	70"	70"	7000
RT72	72"	72"	7200
RT74	74"	74"	7400
RT76	76"	76"	7600
RT78	78"	78"	7800
RT80	80"	80"	8000
RT82	82"	82"	8200
RT84	84"	84"	8400
RT86	86"	86"	8600
RT88	88"	88"	8800
RT90	90"	90"	9000
RT92	92"	92"	9200
RT94	94"	94"	9400
RT96	96"	96"	9600
RT98	98"	98"	9800
RT100	100"	100"	10000

14 TRUSS BRIDGE SERIES

Product	Dimension	Feature	Aluminum Load
RT10	10"	10"	1000
RT12	12"	12"	1200
RT14	14"	14"	1400
RT16	16"	16"	1600
RT18	18"	18"	1800
RT20	20"	20"	2000
RT22	22"	22"	2200
RT24	24"	24"	2400
RT26	26"	26"	2600
RT28	28"	28"	2800
RT30	30"	30"	3000
RT32	32"	32"	3200
RT34	34"	34"	3400
RT36	36"	36"	3600
RT38	38"	38"	3800
RT40	40"	40"	4000
RT42	42"	42"	4200
RT44	44"	44"	4400
RT46	46"	46"	4600
RT48	48"	48"	4800
RT50	50"	50"	5000
RT52	52"	52"	5200
RT54	54"	54"	5400
RT56	56"	56"	5600
RT58	58"	58"	5800
RT60	60"	60"	6000
RT62	62"	62"	6200
RT64	64"	64"	6400
RT66	66"	66"	6600
RT68	68"	68"	6800
RT70	70"	70"	7000
RT72	72"	72"	7200
RT74	74"	74"	7400
RT76	76"	76"	7600
RT78	78"	78"	7800
RT80	80"	80"	8000
RT82	82"	82"	8200
RT84	84"	84"	8400
RT86	86"	86"	8600
RT88	88"	88"	8800
RT90	90"	90"	9000
RT92	92"	92"	9200
RT94	94"	94"	9400
RT96	96"	96"	9600
RT98	98"	98"	9800
RT100	100"	100"	10000

NOTICE OF ACCEPTANCE STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be requested after a renewal application has been filed and the original submitted documentation, including this supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code change.
 - b) The product is no longer the same product (identical) as the one originally approved.
 - c) If the manufacturer has not complied with all the requirements of this acceptance, including the correct submission 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, size, 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 Miami-Dade County, Florida, and followed by the expiration date may be displayed on 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 distributor and shall be available for inspection at the job site at all times. The engineer need 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 this last page 3.

END OF THIS ACCEPTANCE

Candice Fox, P.E., Sr. Product Control Engineer
Product Control Division

United Steel Products Company

ACCEPTANCE NO.: 88-0913.67
APPROVED: DEC 6 7 2000
EXPIRES: 10/09/2001

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Product Control Division

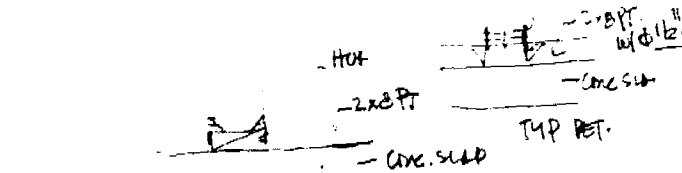
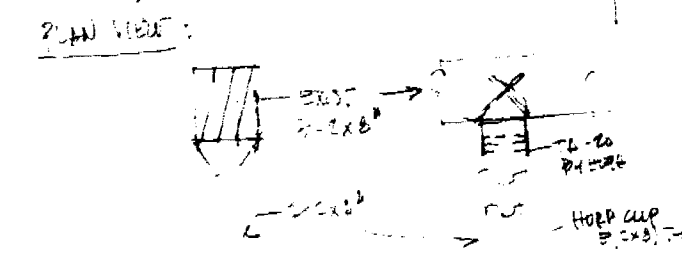
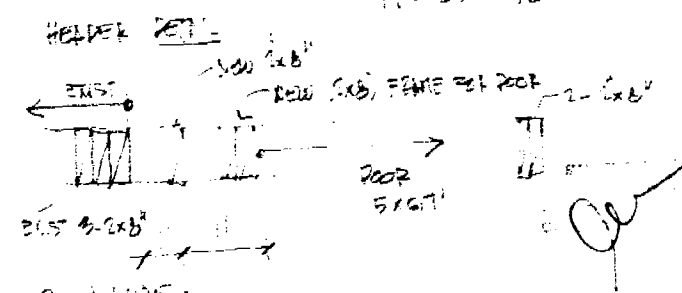


4.2.10
 2.2x8
 2.2x8

$$P = 50.2 \text{ kips}$$

$$F = 3.2 \times 2.5 = 8.0 \text{ kips}$$

$$M = 8.0 \times 14.6 / 3 = 117.6 \text{ ft-kips}$$



4.2.10
 2.2x8
 2.2x8

$$P = 50.2 \text{ kips}$$

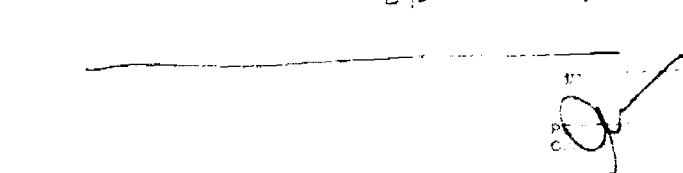
$$F = 3.2 \times 2.5 = 8.0 \text{ kips}$$

$$M = 8.0 \times 14.6 / 3 = 117.6 \text{ ft-kips}$$

$$P = 8.2 \times 14.6 = 58.4 \text{ kips}$$

$$4 \text{ HUBS CLIP } \frac{180}{4} = 45 \text{ kips}$$

$$2 \text{ TA-20 } = 18.4 \text{ kips} = 2.2 \times 8 \text{ OK}$$

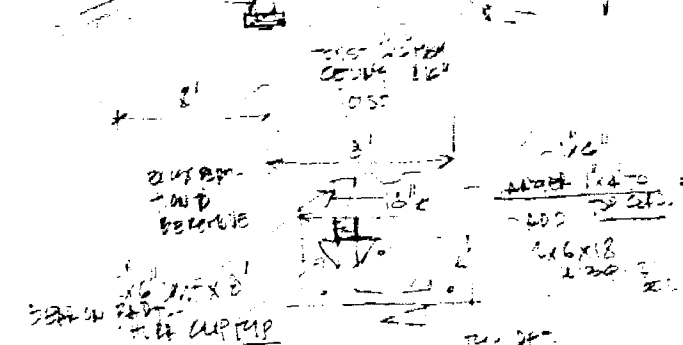


4.2.10
 2.2x8
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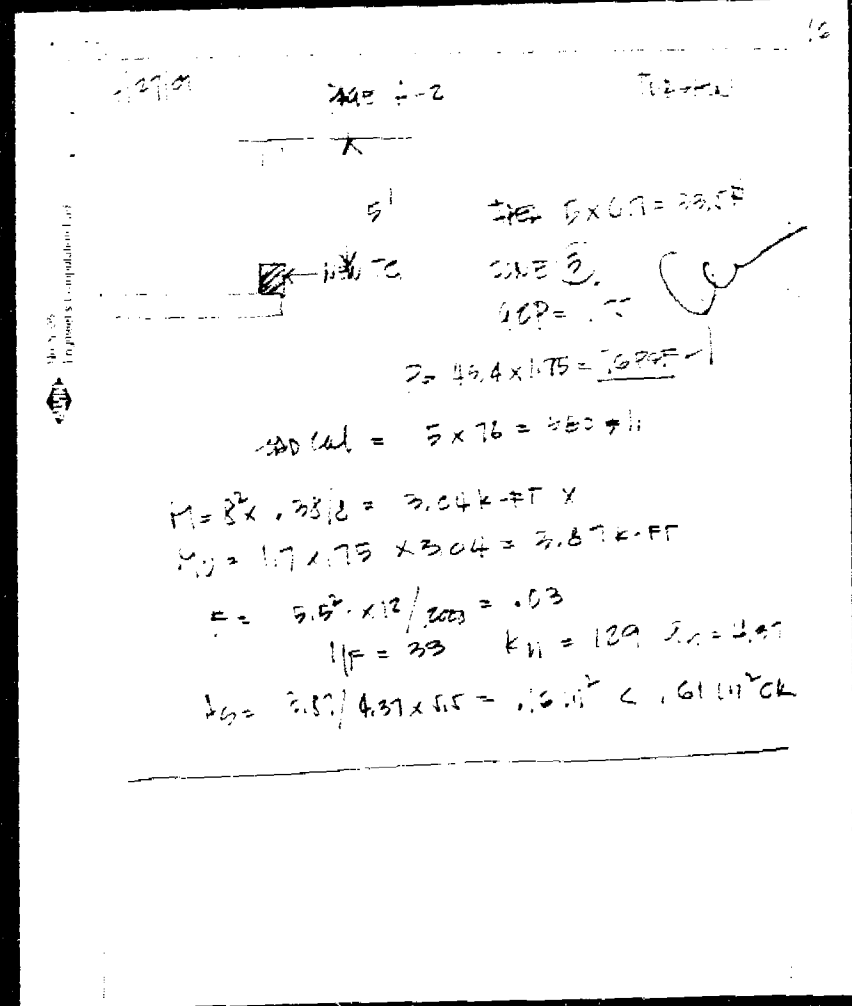
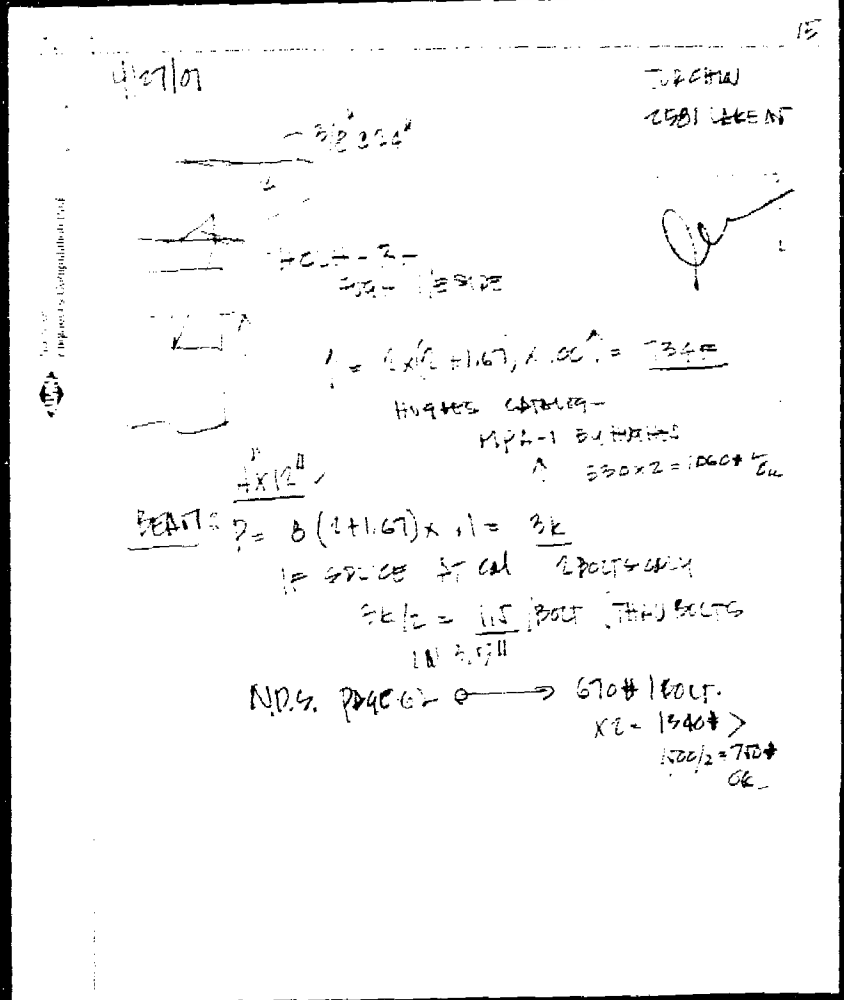
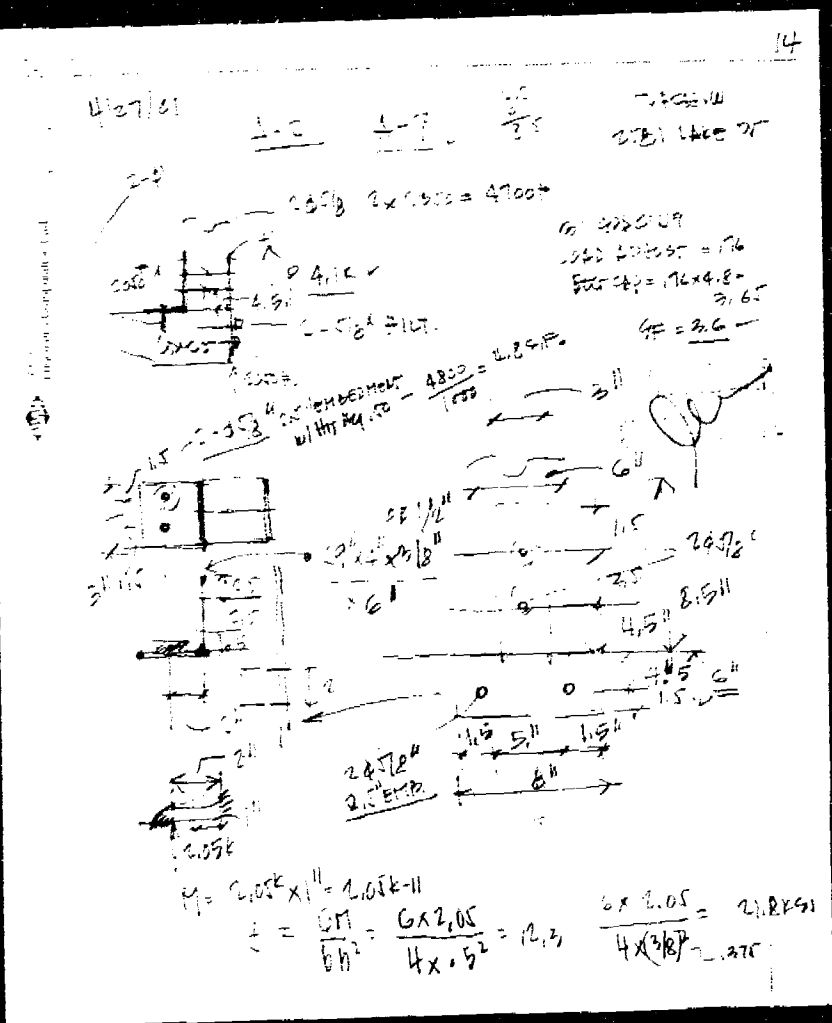


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$$2 \text{ TA-20 } = 18.4 \text{ kips} = 2.2 \times 8 \text{ OK}$$

09





EASTCOAST TESTING & ENGINEERING, INC.

4100 North Pinecrest Rd. - Suite G-1
Pompano Beach, FL 33073
(954) 873-7848 (FAX) - (954) 873-7848 (954) 873-7848 (954) 873-7848

FACSIMILE 804 871 8072
ESTABLISHED 1987

August 24, 2000

REPORT OF ENGINEERING EVALUATION FOR: Klein Design Architects
PROJECT: Proposed Single Family Residence
LOCATION: 2581 N. Bay Road
Miami Beach, Florida
ORDER #: 200242

Gentlemen:
As per your request we have performed the standard penetration test borings and conducted the required soils investigation at the above-named location. Following are the results of our findings and our recommendations.

SUMMARY:
The site is generally mantled by suitable and deleterious materials in a very well defined and conform condition varying from loose to very dense state of relative compaction. The subgrade will experience excessive erosion, cracks, and settlement if the proposed structure(s) are founded on a shallow foundation system. The depth of the deleterious soils encountered and the existence of a high ground water table elevation preclude the use of conventional methods of consolidation. It is therefore recommended to utilize piling for support of the proposed residence.

SUBSURFACE CONDITIONS:
One Standard Penetration Test Boring was performed at the above location on August 15, 2000. No elevations were established for the test borings and the depths, as recorded on the logs, represent the depths below the existing grade at the time of drilling. The subsurface conditions described in the borings are only representative of the areas tested. If unusual or varying field conditions are encountered during construction further engineering studies will be required.

A review of the logs reveals that below the ground surface a stratum of fine to medium grained sand exists to approximately -10.0 feet. Underlying this stratum is a layer of plastic silty sand. This layer of deleterious materials overlies a layer of brown to pale brown fine to medium grained sand, which varies in relative density from loose to very dense.



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Underlying this layer of silty sand was a layer of linerock which was in turn underlain by a layer of fine grained sand. Underlying this layer of fine grained sand, and extending past the terminal depth of our investigation was a layer of very dense linerock.

SITE EVALUATION:
The location of the proposed construction, the thickness and depth of the deleterious compressible soil creates the necessity of a pile foundation system. We recommend that the proposed structure and all slabs on grade, be supported on a 14 inches in diameter auger-cast piles. These piling will provide an allowable compressive capacity of 35 tons per pile. If installed to a depth of 32 feet below the existing ground surface.

An average grout factor in the order of 1.5 should be achieved during the pile installation or fabrication. For the purpose of this report we have assumed that the proposed footings will be approximately the same elevation as the existing natural ground surface.

The above calculations are based upon conditions noticed in the field at the time and locations of the borings. Situations in the field may require the pile tip's elevations to vary. To insure complete compliance of the designer's intent, the installation of the auger piles shall be witnessed by a Geotechnical Inspector from this laboratory. Without the ability to witness and verify field conditions, it is impossible for us to make any necessary modifications to the design which may be demanded by state changes or other unforeseen conditions. Our on site personnel will verify the existing field conditions and installation procedures. They will also confirm compliance with depth requirement, design assumptions, bearing capacity, continuity of grouting, grout factor, procedures, pile locations and reinforcement details.

The grout shall be sampled and test cylinders, or cubes shall be cast for 28 day strength confirmation at the frequency of no less than two samples per days production. Should you need our help in the investigation or any other technical aspect of this project or should you require our assistance with any other project, please do not hesitate to contact us.



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The Standard Penetration Test ASTM D-1586
The Standard Penetration Test is the most commonly employed tool utilized to identify in-situ subsurface soil conditions. The "N" values obtained from the boring provide an accurate estimation of internal soil characteristics such as relative density, internal shear strength, angle of internal friction, and the approximate range of the soil's unit weight. These "N" values represent the resistance of a 2 inch diameter split spoon sampler driven by a 140 pound hammer free falling 30 inches. Each drive of the 24 inch long split spoon is divided into four six inch increments. The second and third increments are totaled to produce the "N" value found on your report.

The Standard Penetration Test also allows for the recovery of soil samples which are returned to our laboratory and visually examined and classified. The SPT samples are available for laboratory testing if requested. Samples are generally held for 90 days unless otherwise directed by the client.

An approximate ground water table is obtained from the borehole upon completion of the drilling procedures. This water table is useful in the general evaluation of particular soil conditions, and may give the contractor some insight into what can be anticipated during construction. It should be noted that the ground water level will fluctuate seasonally. This level may also be affected by local drawdowns, soil conditions, and the water's contribution to the underlying aquifer. It should not be construed to be a measure of the soil's permeability, or of the dewatering characteristics of the site.

Although the standard penetration test is one of the most reliable methods used to identify soil characteristics and types, it may only represent a small fraction of the materials actually deposited at the site. As is common industry practice, we have assumed a uniformity of profile between borings to provide a subsol profile for engineering purposes. This profile is strictly based on the data obtained from the borings, and if unusual or varying conditions are found we should be notified immediately.

A test is expressly representative of the immediate location tested, and the reliability of the conclusions are a direct result of the quantity of tests performed. Any variation in location may reveal similarly some changes in the depth, thickness, texture, and conditions of the stratum encountered.

09



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Unless specifically stated otherwise, and specifically directed and prearranged by the client, all elevations are taken with respect to the existing ground surface at the time of testing. Boring locations are usually obtained in the field by pacing off distances and approximately right angles to landmarks and property corners. More precise locations may be obtained from site surveys and placement of the boring locations by a Land Surveyor. Registered in the State of Florida. These services are provided at additional costs and are beyond the scope of this report.

The data presented herein was obtained for the specific purposes stated in this report, and should not be misapplied to any other circumstance, project, or ancillary use unless so specified and addressed by the engineer of record.

Thank you for using EASTCOAST TESTING & ENGINEERING for your geotechnical needs. Should you need further assistance with this or any other project, please contact this office.

Respectfully Submitted,
EASTCOAST TESTING & ENGINEERING, INC.

Mark L. Blanc
D. Mark L. Blanc, V.P. P.E.
State of Florida #35683
Special Insp. No. 1122

F. Stewart Ward, E.I.T.

7 DATA W/TESTS/SP/20070602/02/000



EASTCOAST TESTING & ENGINEERING, INC.

4100 South Pineapple Ave. - Suite G-1
Pompano Beach, Florida 33072
Phone: (954) 872-7665 (SOL) - (FAX) (954) 872-7665
4381 Oceanbreeze Blvd. - Suite A-1
West Palm Beach, Florida 33409
Phone: (561) 825-7665 (SOL) - (FAX) (561) 825-7665

ESTABLISHED 1981

TEST BORING REPORT

LABORATORY NUMBER: 200424 OFFICE FAX: 854-872-8872 BORING NUMBER: 1

CLIENT: ALLEN DESIGN ARCHITECTS CUSTOMER: H.E.

PROJECT: PROPOSED RESIDENCE CREW CHIEF: E.M.

PROJECT LOCATION: 2321 LAKE AVENUE, BEACH BEACH DRILLER: E.M.

BORING LOCATION: APPROX. 5' E & 30' W OF EXISTING SE BLDG CORN. DRILL LOG: F-250

GROUND WATER: 4' 17" DATE: 08/15/04 Elev. APPROX. 1' BOWY CASING: 3PT

NOTE: SURVEY NOT GIVEN UNLESS NOTED. NO. 8. 08 ON EAST END BRIDGE. 10' 0" 08 ON WEST END BRIDGE.

DEPTH SAMPLE BORING NUMBER: PAGE NUMBER: 1

FEET NUMBER VISUAL SOIL CLASSIFICATION/ASTM D1585/ASTM D2487

1 1 Very silty fine sand medium grained sand, some shell fragments

2 2 Very silty fine sand medium grained sand, some shell fragments

3 3 Very silty fine sand medium grained sand, some shell fragments

4 4 Very silty fine sand medium grained sand, some shell fragments

5 5 Very silty fine sand medium grained sand, some shell fragments

6 6 Very silty fine sand medium grained sand, some shell fragments

7 7 Very silty fine sand medium grained sand, some shell fragments

8 8 Very silty fine sand medium grained sand, some shell fragments

9 9 Very silty fine sand medium grained sand, some shell fragments

10 10 Very silty fine sand medium grained sand, some shell fragments

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5 5 Very silty sand medium grained sand

6 6 Very silty sand medium grained sand

7 7 Very silty sand medium grained sand

8 8 Very silty sand medium grained sand

9 9 Very silty sand medium grained sand

10 10 Very silty sand medium grained sand

11 11 Very silty sand medium grained sand

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16 16 Very silty sand medium grained sand

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25 25 Very silty sand medium grained sand

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31 31 Very silty sand medium grained sand

32 32 Very silty sand medium grained sand

33 33 Very silty sand medium grained sand

34 34 Very silty sand medium grained sand

35 35 Very silty sand medium grained sand

36 36 Very silty sand medium grained sand

37 37 Very silty sand medium grained sand

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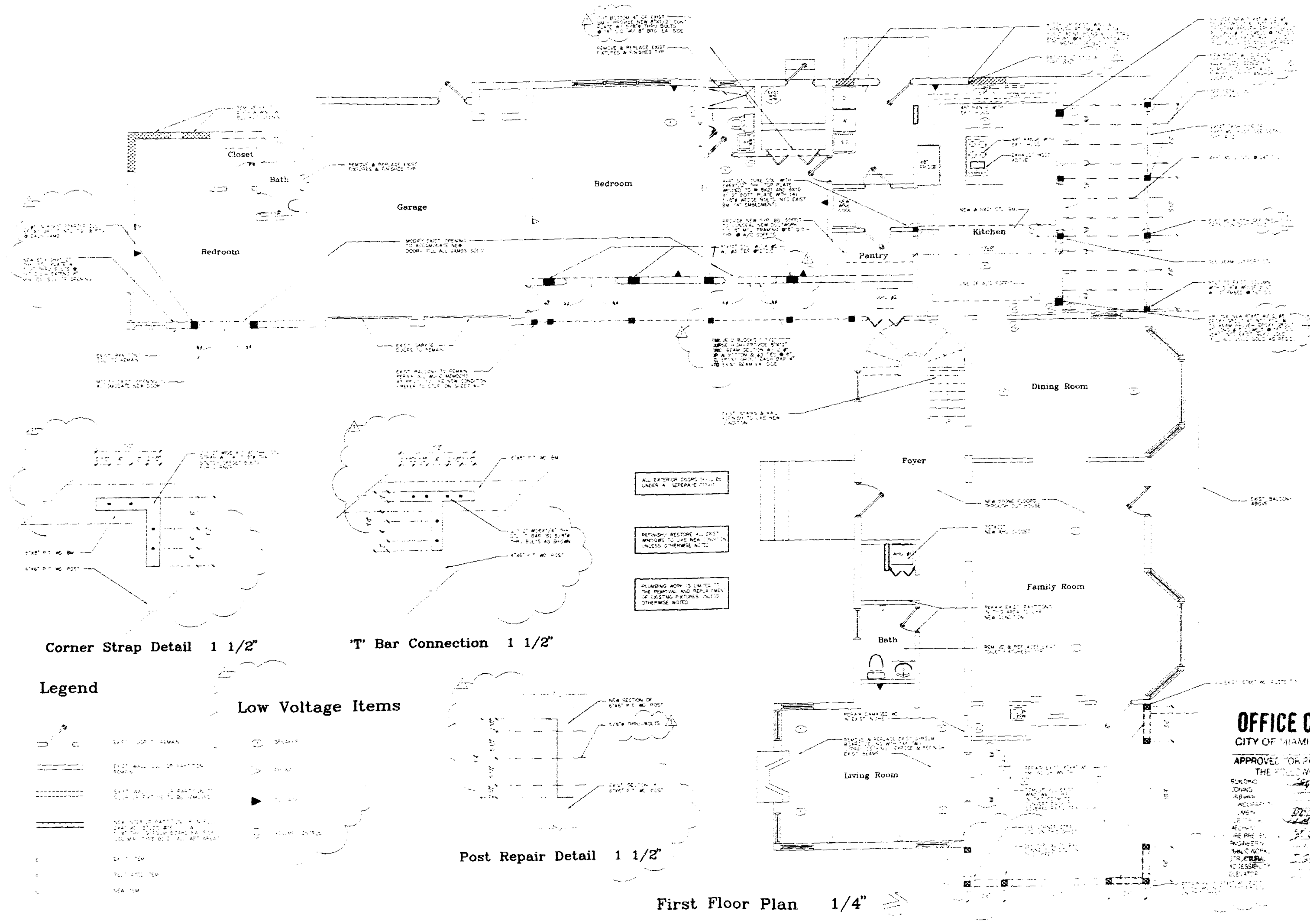
43 43 Very silty sand medium grained sand

44 44 Very silty sand medium grained sand

45 45 Very silty sand medium grained sand

46 46 Very silty sand medium grained sand

47 47 Very silty sand medium grained sand



Corner Strap Detail 1 1/2"

T Bar Connection 1 1/2"

Legend

- | | | | |
|--|---------------------------|--|------------|
| | EXIST. DOOR FRAME | | SPEAKER |
| | EXIST. WALL OR PARTITION | | DOOR |
| | EXIST. WALL TO BE REMOVED | | DOOR SWING |
| | NEW WALL OR PARTITION | | DOOR SWING |
| | EXIST. DOOR | | DOOR SWING |
| | NEW DOOR | | DOOR SWING |
| | EXIST. DOOR FRAME | | DOOR SWING |
| | NEW DOOR FRAME | | DOOR SWING |

Low Voltage Items

Post Repair Detail 1 1/2"

First Floor Plan 1/4"

OFFICE COPY
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY
THE FOLLOWING:

DATE: 10/15/14
BY: [Signature]
TITLE: [Title]
FIRM: [Firm Name]
ADDRESS: [Address]
CITY: [City]
STATE: [State]
ZIP: [ZIP]

KLEIN DESIGN GROUP
ARCHITECTURE
2581 LAKE AVENUE, MIAMI BEACH, FL 33134
PHONE: 305.672.6702

Turchin Residence
2581 Lake Avenue, Miami Beach, FL
Owner: The Turchin Companies Phone: 305.672.6702

Sheet	Revisions
A-1	



Low Voltage Items

- RECEIVER
- PHONE
- TV DATA
- VOLUME CONTROL

Extended Joist Detail 1 1/2"

Balcony Joist Repair Detail 3/4"

Legend

- EXIST. JOIST TO REMAIN
- REPAIR JOIST TO REMAIN
- NEW JOIST

OFFICE COPY CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY
THE FOLLOWING

BUILDING
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING
STRUCTURAL
ACCESSIBILITY

Ceiling Joist Connection 1 1/2"

Plan Framing Detail 3/4"

Existing Header Detail 3/4"

Second Floor Plan 1/4"

KLEIN DESIGN GROUP
ARCHITECTS
2581 LAKE AVENUE MIAMI BEACH, FL 33134
TEL: 305.672.0700 FAX: 305.672.0701

Turchin Residence
2581 Lake Avenue Miami Beach, FL
Owner: The Turchin Companies Phone: 305.672.0700

DATE: 10/1/00
COMMISSIONED BY: [Signature]
DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]
APPROVED BY: [Signature]
SCALE: 1/4" = 1'-0"

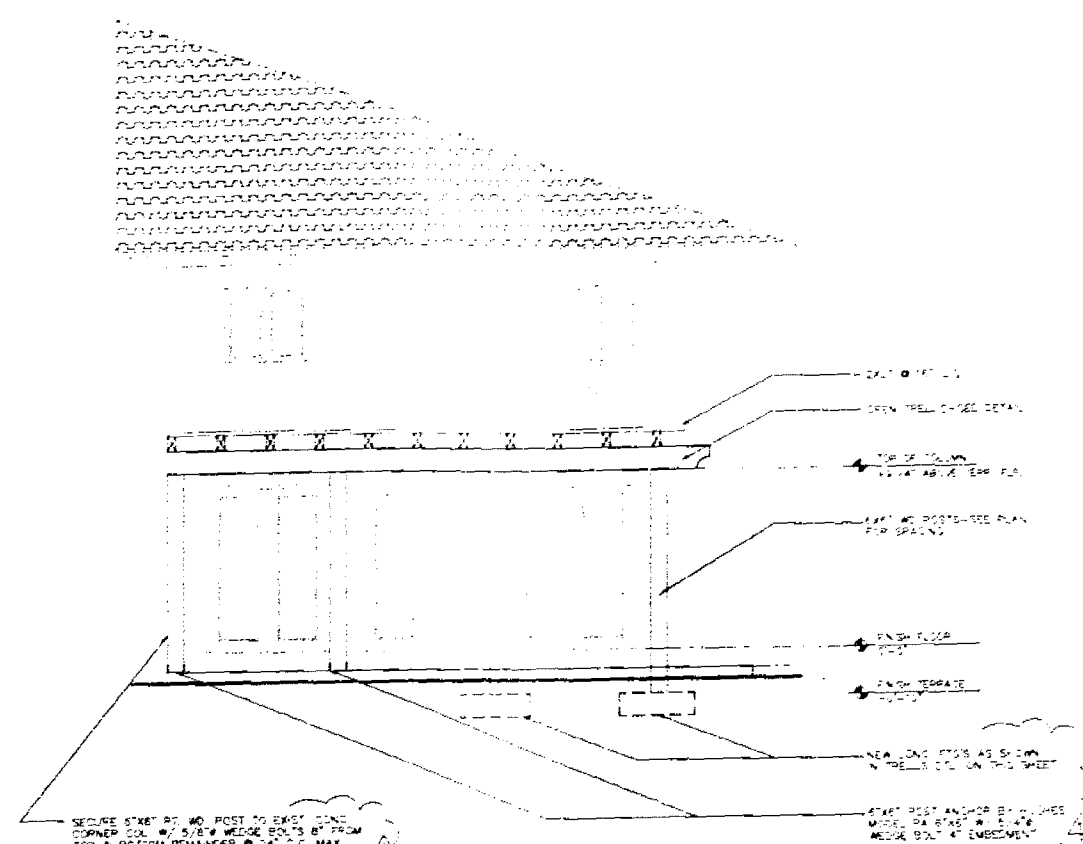
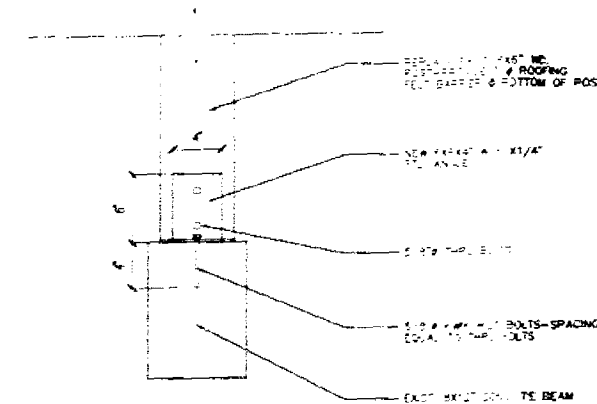
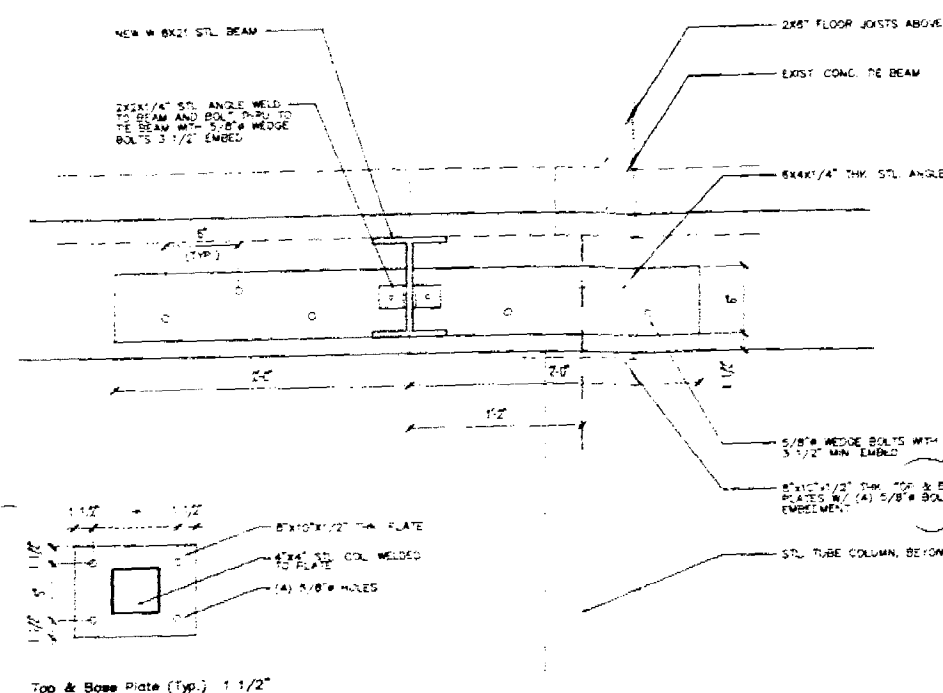
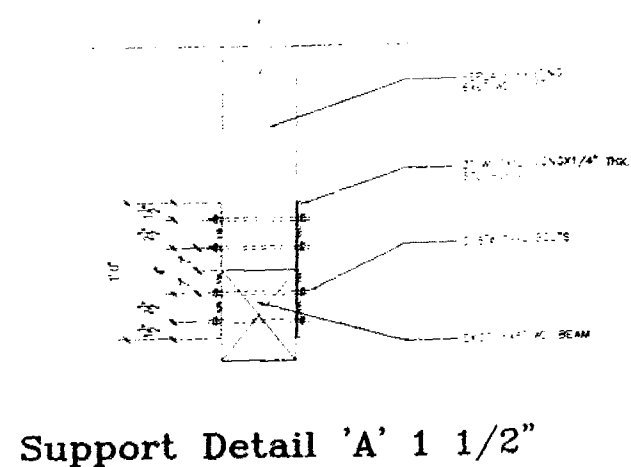
A-2

09

KLEIN DESIGN GROUP
ARCHITECTURAL ENGINEERING
1001 N.W. 10th Ave., Suite 1000
Miami, FL 33136
Phone: 305.375.1111
Fax: 305.375.1112

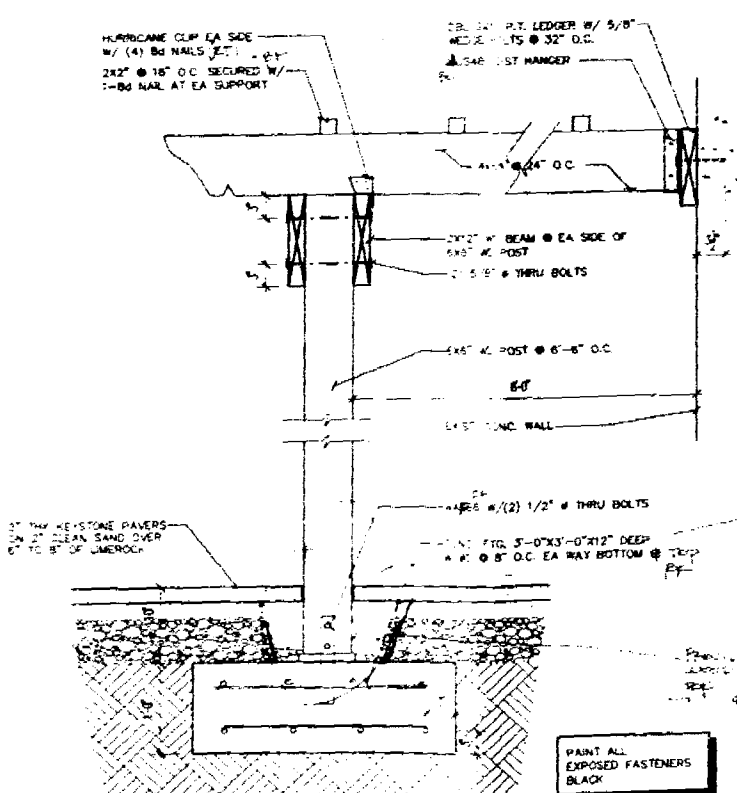
Turchin Residence
2581 Lake Avenue, Miami Beach, FL
Owner: The Turchin Companies Phone: 305.672.0702

Date	10/12/01
Commission	
Revisions	
Sheet	A-3

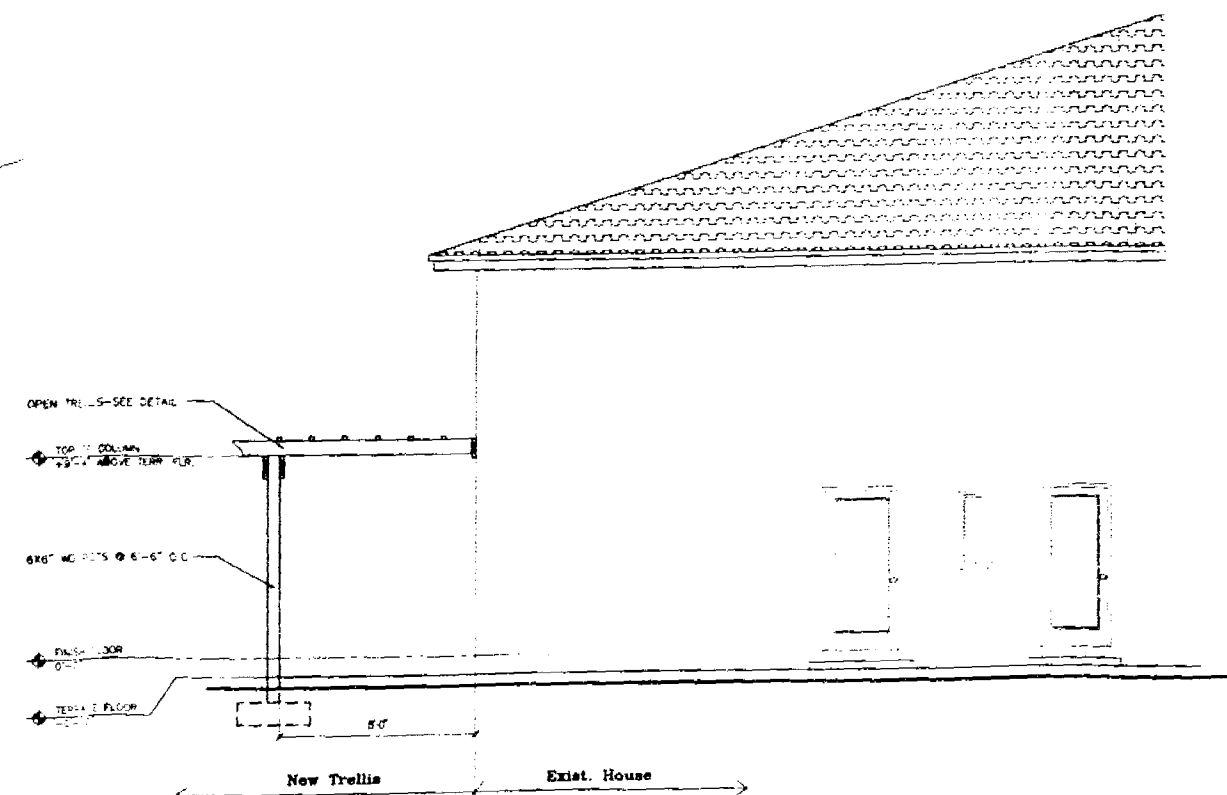


Support Detail 'B' 1 1/2"

North Elevation 1/4"



*Wood to be
protected from
soil*

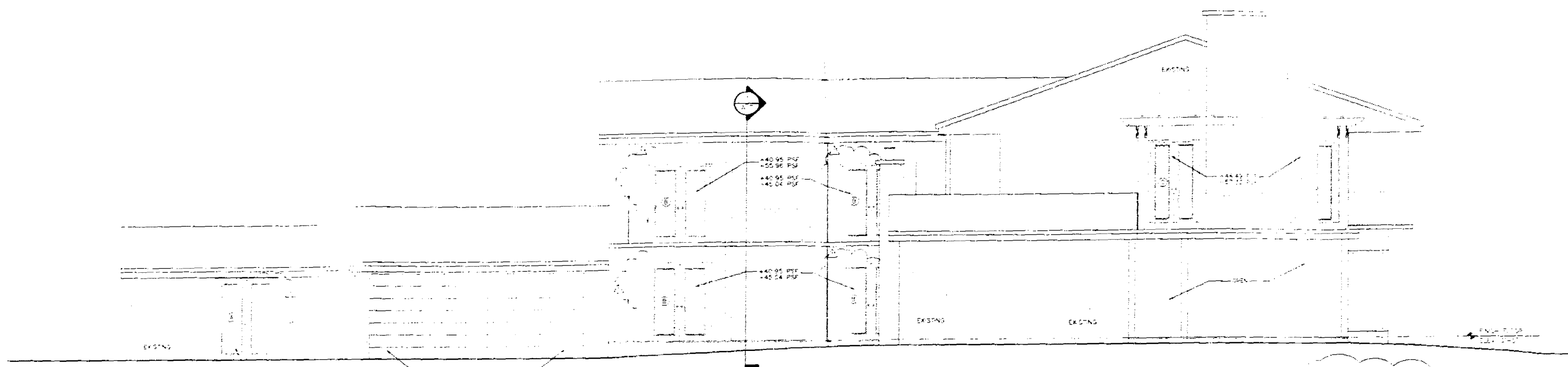


West Elevation 1/4"

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SURVING	
ENGINEERING	
ARCHITECT	
PLUMBING	
ELECTRICAL	
Mechanical	
Fire Protection	
Engineering	
Public Works	
Structural	
Accessibility	
Elevator	

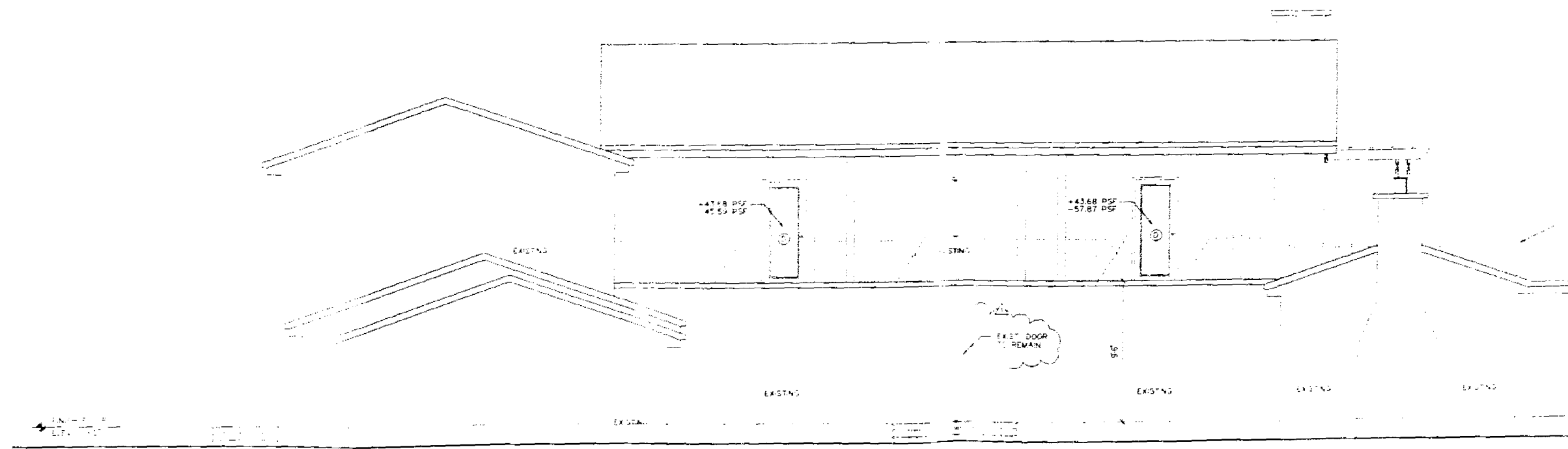
09



East Elevation 1/4"

MARK	SIZE	ZONE	PRESSURE
A	5'-0"X6'-8"	4	+27.25
B	5'-0"X6'-8"	4	+27.25
C	4'-0"X7'-0"	5	+27.25
D	2'-10"X7'-0"	5	+27.25

REFINISH ALL EXIST. WINDOWS
REPAIR & REFINISH ALL
NEW FLOORING MATERIALS
WINDOWS UNLESS OTHERWISE
NOTED



North Elevation 1/4"

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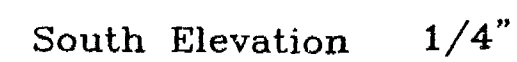
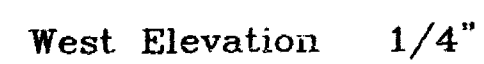
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ZONING _____
CONCURRENCE _____
ELECTRICAL _____
MECHANICAL _____
FIRE PREVENTION _____
ENGINEERING _____
PUBLIC WORKS _____
STRUCTURAL _____
ACCESSIBILITY _____
REVIEWER _____

KLEIN DESIGN GROUP
ARCHITECTS, INC.
2581 LAKE AVENUE, SUITE 100
MIAMI BEACH, FL 33134
TEL: 305.672.9400

Turchin Residence
2581 Lake Avenue, Miami Beach, FL
Owner: The Turchin Companies Phone: (305) 672-9400

DATE _____
COMMISSION _____
REVISION _____
SHEET _____
A-4





MARK	SIZE	ZONE	PRESSURE
F	3'-0"X6'-8"	4	+44.20
		5	+44.21
G	2'-6"X7'-0"	4	+45.31
		5	+45.31
H	5'-0"X6'-8"	4	+45.24
		5	+45.24

REFINISH ALL EXIST WINDOW
REPAIR AS REQUIRED TO BRING
NEW CONDITION TYPICAL ALL
WINDOWS UNLESS OTHERWISE
NOTED

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CITY OF MIAMI BEACH

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THE FOLLOWING:

BUILDING	_____
ZONING	_____
DRAINAGE	_____
CONCRETE	_____
PAVING	_____
ELECTRICAL	_____
Mechanical	_____
FIRE PROTECTION	_____
ENGINEERING	_____
PUBLIC WORKS	_____
STRUCTURAL	_____
ACCESSIBILITY	_____
IRRIGATION	_____



KLEIN DESIGN GROUP
 200 SOUTH 10TH ST. DEERFIELD, IL 60015
 847.294.2400 FAX 847.294.2402 PKG02793

Turchin Residence
2581 Lake Avenue, Miami Beach, Fl
Owner: The Turchin Companies Phone 305. 672. 0702

2/23/01

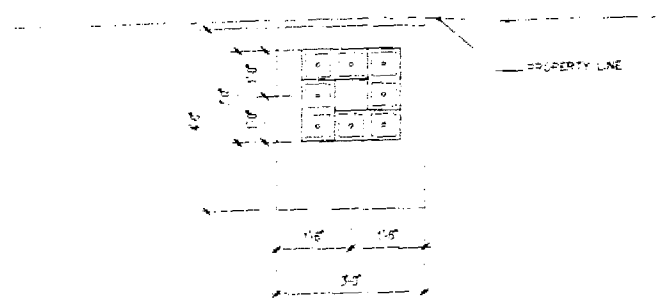
Date
February 27, 2001
Commission

Revisions
Apr 29, 2001

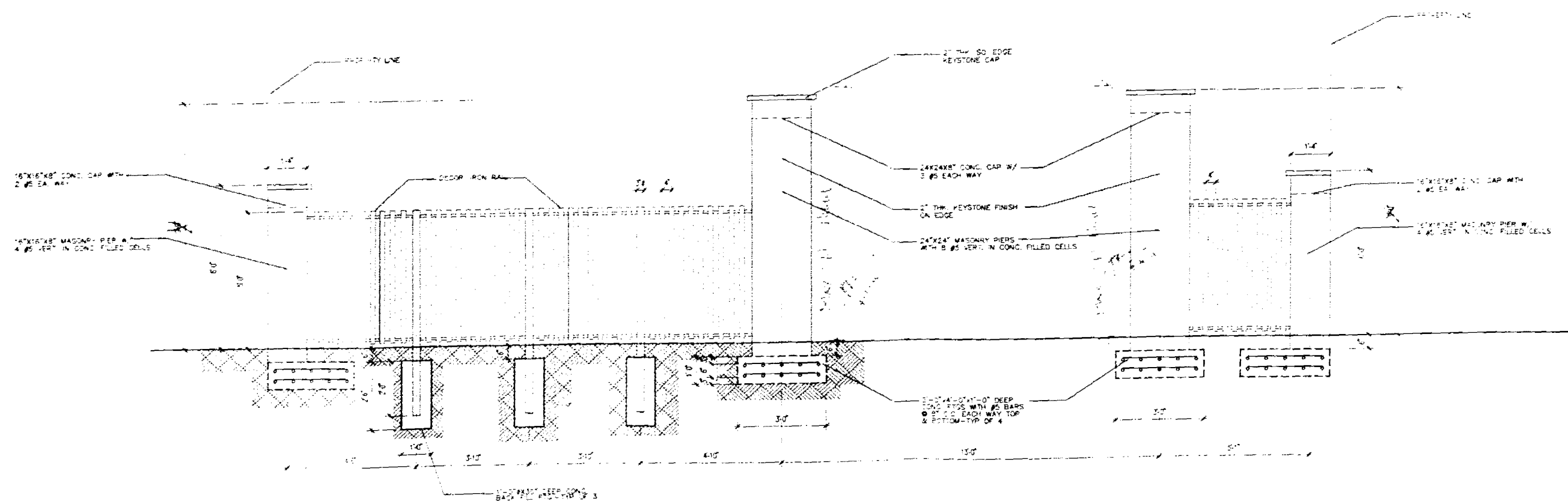
Sheet

A-5

09



Typical Foundation Plan 1/2"



Section 1/2"

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CITY OF MIAMI BEACH

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THE FOLLOWING:

BUILDING
ZONING
ORDINANCE
COMPLIANCE
PLANNING
ELECTRICAL
MECHANICAL
FIRE ALARM
ENGINEERING
PUBLIC WORKS
STREET
ACCESSORY
ELEVATOR



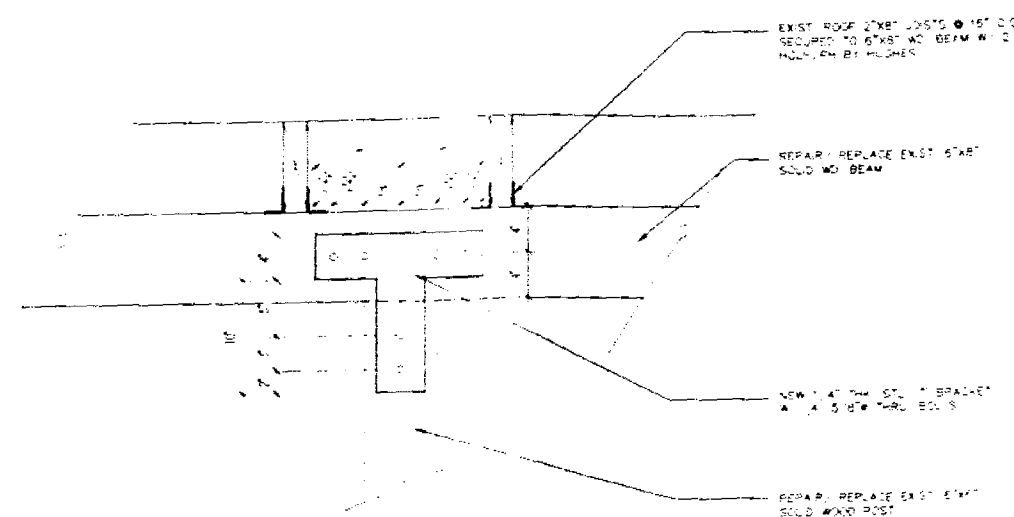
KLEN DESIGN GROUP
ARCHITECTS
1111 N. MIAMI AVE., SUITE 100
MIAMI, FL 33136
TEL: 305.375.1111
FAX: 305.375.1112

Turchin Residence
2581 Lake Avenue, Miami Beach, FL
Owner: The Turchin Companies

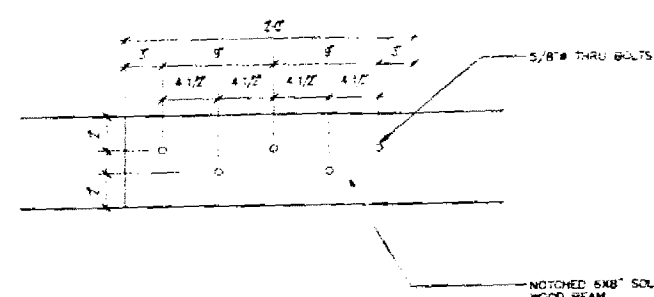
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Date	10/1/00
Commission	10/1/00
Revisions	1. 10/1/00
Sheet	A-6

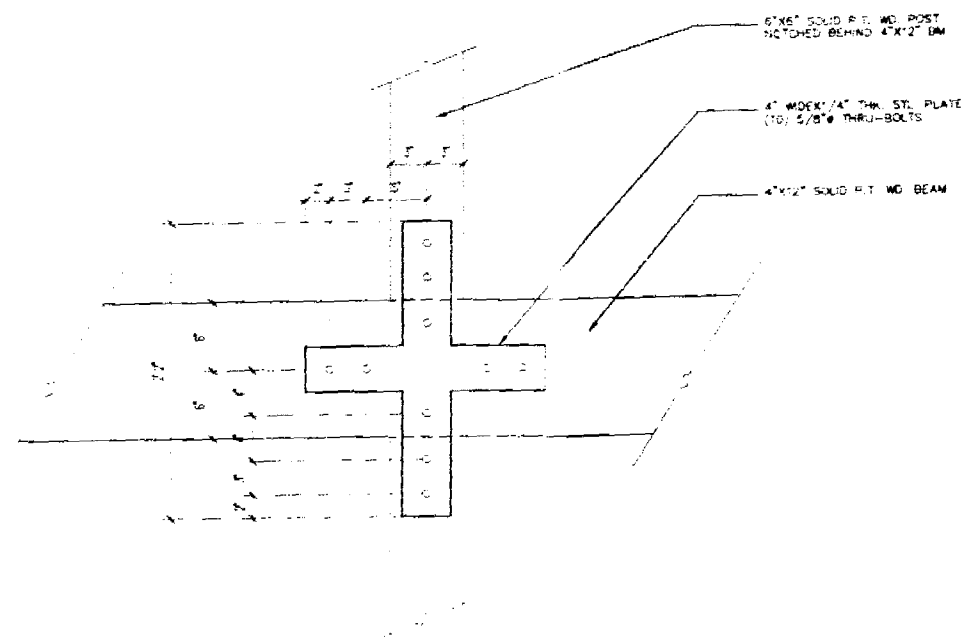
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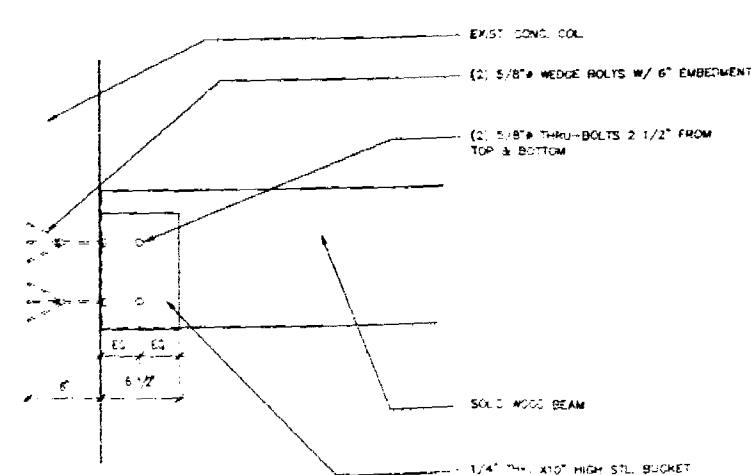
Connection Detail 'A' 1 1/2"



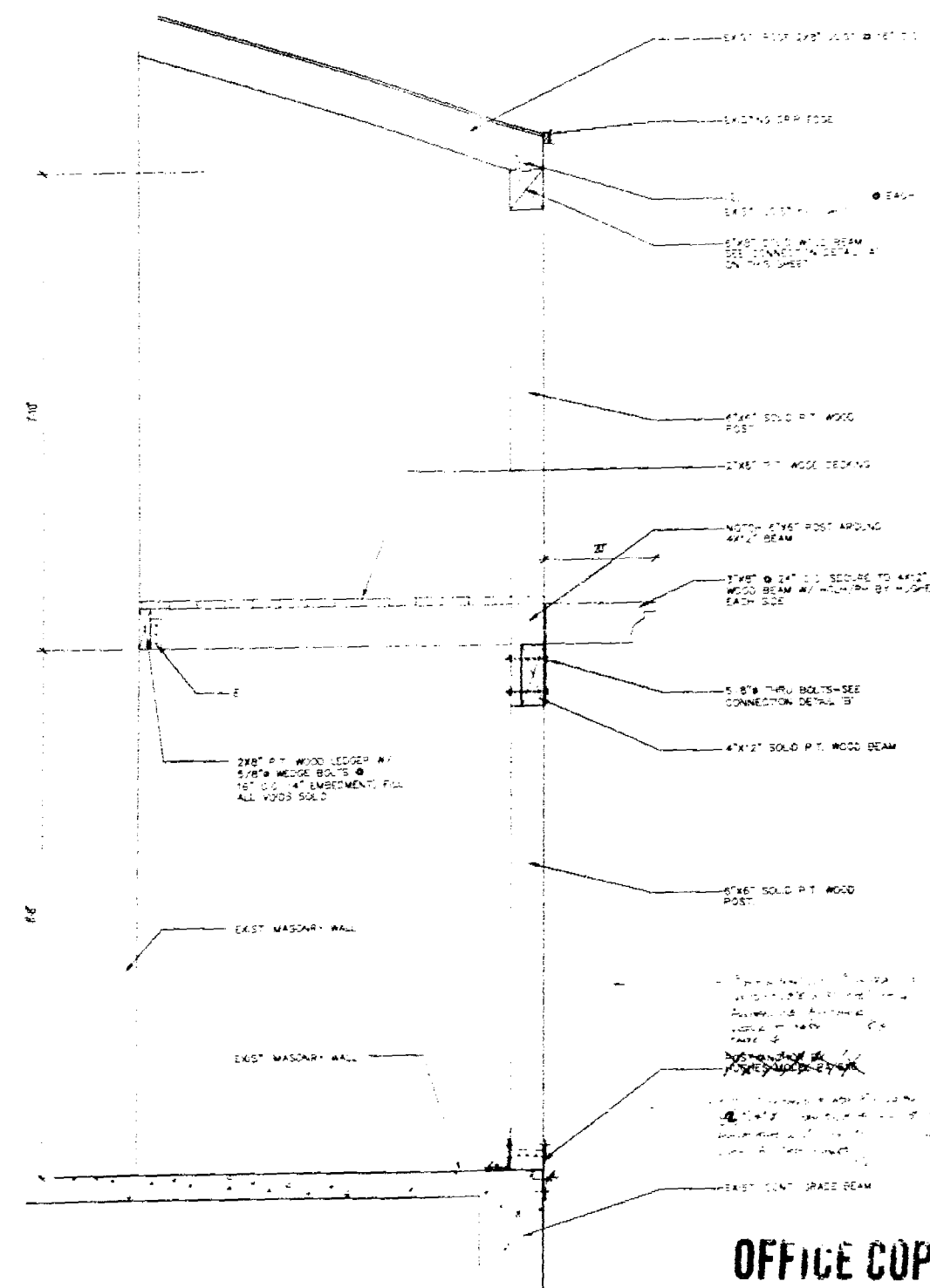
Beam Splice 1 1/2"



Connection Detail 'B' 1 1/2"



Steel Bucket Connection 1 1/2"



Post Detail 3/4"

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BUILDING
ZONING
FIRE
CONCRETE
PLUMB
ELECTRICAL
MECHANICAL
TIRE
ENGINEERING
PUBLIC WORKS
STRUCTURAL
ACCESSIBILITY
ELEVATOR



KLEIN DESIGN GROUP
3000 N.W. 12TH AVENUE, SUITE 100
MIAMI, FL 33142
TEL: 305.444.4444 FAX: 305.444.4444

Turchin Residence

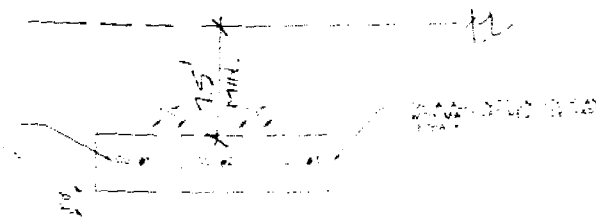
2581 Lake Avenue, Miami Beach, FL
Owner: The Turchin Companies Phone: 305.672.0702

4/23/01

Date	4/23/01
Commission	12001
Revisions	1.20 01 1.20 01
Sheet	A-7

09

MECHANICAL PLAN 1/4"

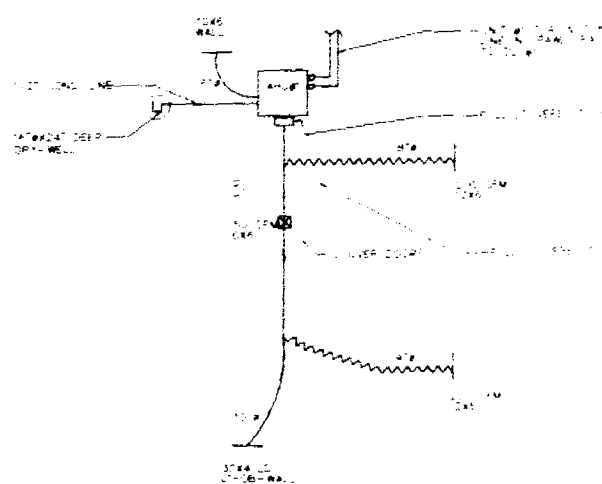
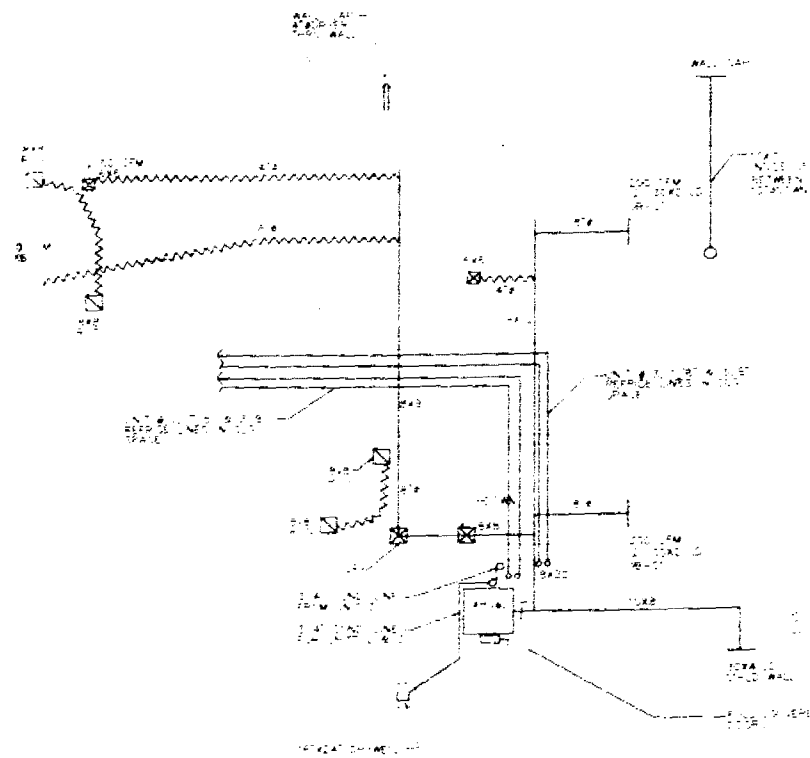


SECTION 1/4" SCALE
MECHANICAL PLAN 1/4"

SECTION 1/4" SCALE
MECHANICAL PLAN 1/4"

SECTION 1/4" SCALE
MECHANICAL PLAN 1/4"

Mechanical Plan 1/4"



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ZONING
CONCURREN-
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PROTECTION
ENGINEERING
PUBLIC WORKS
STRUCTURAL
ACCESSIBILITY
ELEVATOR

KLEIN DESIGN GROUP
ARCHITECTS
2581 LAKE AVENUE, SUITE 200
MIAMI BEACH, FL 33139
PHONE 305 672 0701

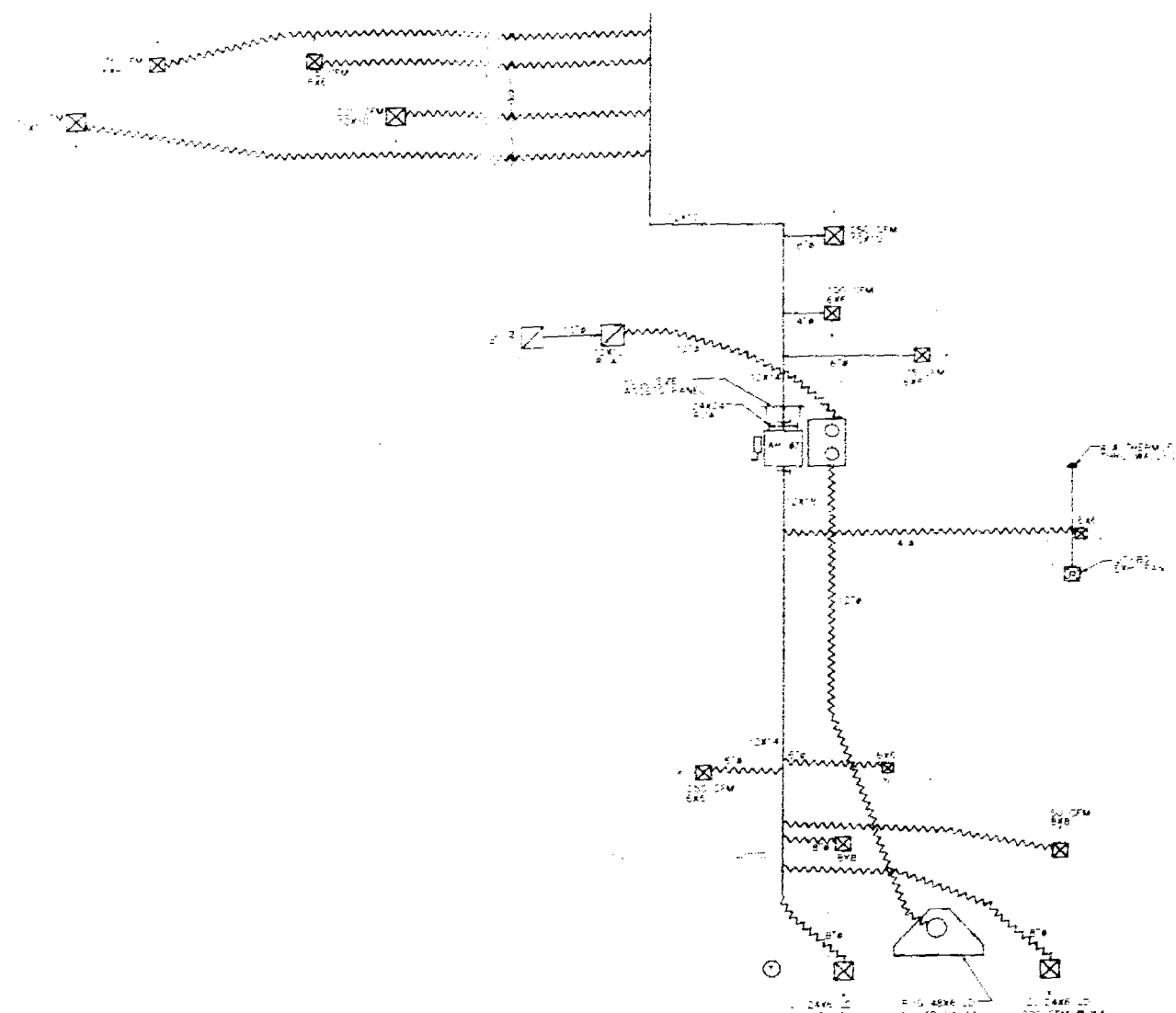
Turchin Residence
2581 Lake Avenue, Miami Beach, FL
Owner: The Turchin Companies Phone: 305 672 0701

1/27/01

DATE
COMMISSION
PERSONS

Sheet
M-1

09



ALL WALL UNIT AIR CONDITIONERS
CENTRAL AIR SYSTEM ARE TO BE
REPLACED WITH NEW CENTRAL
AIR SYSTEM WITH ALL ASSOCIATED
AND CONTROLS

DO NOT EXPLAINATION
RED DUCT LAYOUT TO
MODIFY EXISTING CONSTRUCTION

MAINTAIN 4" CLEARANCE ALL SIZES
EQUIPMENT, WITHIN ENCLOSURE
OVER DUCTS SHALL BE 2" MIN.
AT CONNECTION OF DUCTS
CABLES

Mechanical Plan 1/4"

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

KLEIN DESIGN GROUP
2581 Lake Avenue, Miami Beach, FL 33134
Tel: 305.673.0000
Fax: 305.673.0001
www.klein-design.com

Turchin Residence
2581 Lake Avenue, Miami Beach, FL
Owner: The Turchin Companies Phone: 305.673.0002

Sheet **M-2**

09



Legend

- ```

JUNCTION BOX
-
Zdr *** DUPLEX INTERFALLS
-
Dz PHONE PRIVATE TABLE 0 TABLE
-
- + MAX SWITCH
-
- DATA TABLE LUTER FOR TABLE CATELLO WITH
PHONE WITH ADJUSTING PHONE DATA OUTPUT
-
- SAME DETECTOR
-
- + MAX SWITCH

```

USE EXISTING CONDUIT WHERE AVAILABLE  
AND IN WORKING CONDITION. USE NEW WIRES

REVISION ONE EXPLANATION

INDICATE MORE DETAILED POLICE BUREAU  
INTERVIEW WITH DEPRANDED SMALL APPLANCE  
DEPRANDED IN THE INTERVIEW DEPRANDED  
GRABBER IN THE INTERVIEW DEPRANDED  
GREATER KNOWLEDGE

ALL SMALL APPLANCES SHALL BE INTERVIEWED  
DEPRANDED IN THE INTERVIEW DEPRANDED

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CITY OF MIAMI BEACH

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THE FOLLOWING:

THE FOLLOWING:

|                 |  |
|-----------------|--|
| BUILDING        |  |
| ZONING          |  |
| DRAWINGS        |  |
| CONCURRENC      |  |
| PLUMBING        |  |
| ELECTRICAL      |  |
| MECHANICAL      |  |
| FIRE PREVENTION |  |
| ENGINEERING     |  |
| PUBLIC WORKS    |  |
| STRUCTURAL      |  |
| ACCESSIBILITY   |  |
| ELEVATOR        |  |



**KLEIN DESIGN GROUP**

**Turchin Residence**

**TURCHIN RESIDENCE**  
2581 Lake Avenue, Miami Beach, Fl.  
Owner: The Turchin Companies Phone 305 672 0702

**E-1**

09

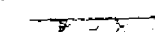
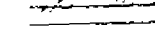
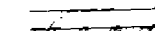
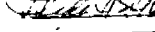
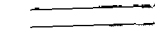
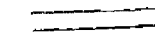


2nd Floor Electrical Plan 1/4" 



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THE FOLLOWING:

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

Legend

- 1. NEW ELECTRICAL SYMBOL
- 2. NEW ELECTRICAL SYMBOL
- 3. NEW ELECTRICAL SYMBOL
- 4. NEW ELECTRICAL SYMBOL
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- 98. NEW ELECTRICAL SYMBOL
- 99. NEW ELECTRICAL SYMBOL
- 100. NEW ELECTRICAL SYMBOL

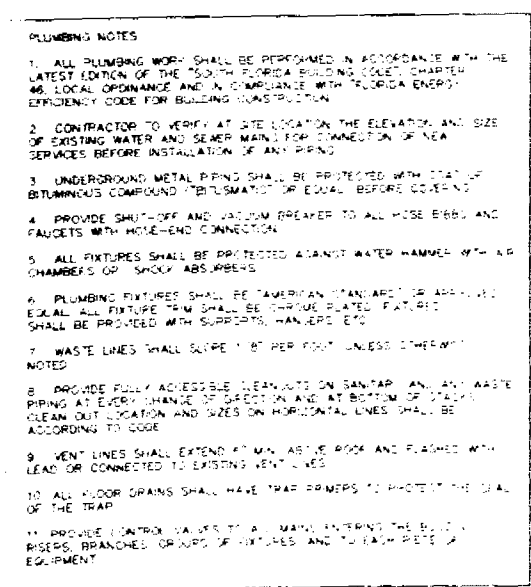
KLEIN DESIGN GROUP  
2551 Lake Avenue, Miami Beach, FL 33134  
Phone: 305.672.0702  
Fax: 305.672.0703  
www.kdg.com

Turchin Residence  
2551 Lake Avenue, Miami Beach, FL  
Owner: The Turchin Companies Phone: 305.672.0702

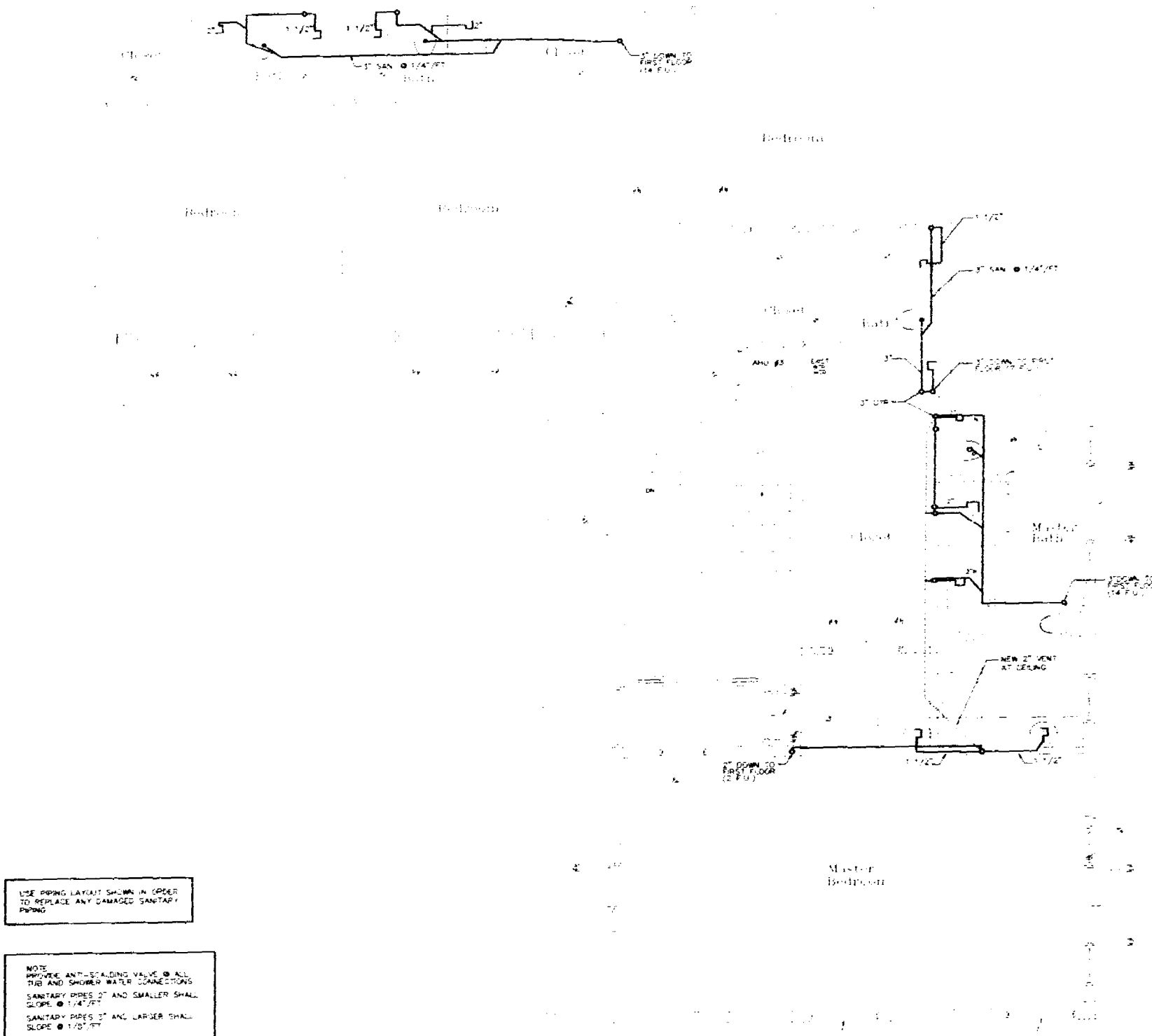
Sheet  
E-3

09





09



USE PIPING LAYOUT SHOWN IN ORDER TO REPLACE ANY DAMAGED SANITARY PIPING

NOTE: WORKING ANTI-SLASHING VALVE @ ALL TUB AND SHOWER WATER CONNECTIONS. SANITARY PIPES 1" AND SMALLER SHALL SLOPE @ 1/4" FT. SANITARY PIPES 2" AND LARGER SHALL SLOPE @ 1/8" FT.

Plumbing Second Floor Plan 1/4"

25100102002

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THE FOLLOWING:

|                 |       |
|-----------------|-------|
| BUILDING        | _____ |
| ZONING          | _____ |
| ORDINANCE       | _____ |
| CONCURRENCY     | _____ |
| PLUMBING        | _____ |
| ELECTRICAL      | _____ |
| MECHANICAL      | _____ |
| FIRE PREVENTION | _____ |
| ENGINEERING     | _____ |
| PUBLIC WORKS    | _____ |
| STRUCTURAL      | _____ |
| ACCESSIBILITY   | _____ |
| ELEVATOR        | _____ |

**KLEIN DESIGN GROUP**  
ARCHITECTS  
1000 S.W. 15TH AVE., SUITE 100  
MIAMI, FL 33135  
TEL: 305.572.8800  
FAX: 305.572.8801

**Turchin Residence**  
2581 Lake Avenue, Miami Beach, FL  
Owner: The Turchin Companies Phone: 305.672.6702

Date: 09/12/2007  
Commission: 2007  
Revisions:  
1. 09/12/2007  
2. 09/12/2007  
3. 09/12/2007  
4. 09/12/2007  
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