

MRS. HARRY RUBIN

Owner MRS. HARRY RUBIN Mailing Address 15131
 Lot 8 Block 30 Subdivision LAKE VIEW Address 800 Lake View Drive
 General Contractor A. J. Miles Permit No. 16113 Cost \$ 22,600:
 Architect Roy F. France Engineer 3222 22 136
 Zoning Regulations: Use RC Area 7 Lot Size fan shaped
 Building Size: Front 73'10 Depth 68'8 Height 25'0 Stories two
 Certificate of Occupancy No. Use Residence - 8 rooms - 4 baths - 2 car garage
 Type of Construction CBS Foundation Spread footing Roof Tile Date Sept. 9, 1941

Plumbing Contractor H.L. Robertson # 15828 Sewer Connection one 4" Date 9-10-41
 Plumbing Contractor Temporary Closet one Date
 Laundry tray 1, Date
 Water Closets 4 Bath Tubs 2 Floor Drains
 Lavatories 4 Showers 2 Grease Traps
 Urinals Sinks 1 Drinking Fountains
 Gas Stoves Gas Heaters Rough Approved Date
 Gas Radiators Gas Turn On Approved
 Septic Tank Contractor Tank Size Date
 Oil Burner Contractor # 16360 - Fla Fuel Oil Co: Tank Size 275 gals Date Dec. 9-1941
 Sprinkler System Hot Water - H.L. Robertson " 15948- Oct. 7, 1941

Electrical Contractor Biscayne Electric Co. #17859 Address Date Oct. 29, 1941
 Switch 48 Range 1, Motors Fans Temporary Service #17625
 OUTLETS Light 45 HEATERS Water Biscayne- Sept. 18-1941
 Receptacles 33 Space Centers of Distribution 2, #18359- Biscayne- 1 temporary- 1-29-1942
 Refrigerators 1, Sign Outlets
 Irons 1, Date
 No. FIXTURES 55 Electrical Contractor Date
 FINAL APPROVED BY Date of Service

Alterations or Repairs—Over

Electric # 18443-- Fla Fuel Oil Co: 1 motor- March 19, 1942

O V E R

ALTERATIONS & ADDITIONS

Building Permits: # 24586 Painting - H. W. Taylor, \$ 300.... May 24, 1947
37655 Roofing - Miami Roofing & Sheet Metal Co. \$ 360.... Dec. 10, 1951

#57985 Ray Boone Air Cond: 2 - 1 ton window air conditioners - \$400 - Dec. 1, 1958 OK 5/12/59 Flaag

#67874 Sears Roebuck and Co.: Install 1 - 2 hp air conditioners, wall units - \$400. - 8/20/62

#70658 Palmer Roofing Co.: Reroof - \$1220. - 11/26/63

#80064 Brandon Air Cond. Corp.: One 4-Ton split system - \$2400 - 4/10/68 (mont 86)

#85093 - Dock & Marine - Repair seal wall \$3,700.00 9/28/70

#87394 - Assoc. Ated Roofers - reroof 4 sq. built up \$575.00 8/18/71

#02496-Owner-paint exterior-\$250-2-6-73

#04113-Owner-Garage enclosure-utility room-\$1500-9-21-73

Plumbing Permits:

#50203-Serota Plumbing- 1 laundry tray-9-25-73

Electrical Permits:

52810 Astor Electric: 2 0-1 hp motors 10/10/

#58404 Astor Elec.Inc.: 1 cent. of dist.; 1 motor, 0-1 hp - 6/29/62

#63273 Miami Beach Electric Co.: 1 serv. equip. - 2/25/66

LOT _____ BLOCK _____ SUBDIVISION _____ ADDRESS _____

ALTERATIONS & ADDITIONS

Building Permits:

12-11-80/#19404/nyon tent fumigation/Orkin Extermination/\$1,087

#23692 4/13/83 Truly Nolen fumigation \$600.

#MO8332 8/8/86 Pan Am Air Cond - 3-5 kw central heat, 8 ton air cond central

Plumbing Permits:

Electrical Permits:

LOT _____

BLOCK _____

SUBDIVISION _____

ADDRESS _____

ALTERATIONS & ADDITIONS

Building Permits:

6/16/81 - #20421 - Atlantic Roofing - Remove existing tile roof & replace with new tile - \$1,500.00

Plumbing Permits:

Electrical Permits:

ORDER# 4-03-58A
PROCESS#
FOLIO#
C.O.R. 4.04

FEDERAL NATIONAL FLOOD INSURANCE PROGRAM

O.M.B. No. 3067-0077
Expires December 31, 2005

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1 - 7.

SECTION A - PROPERTY OWNER INFORMATION

Form with fields: BUILDING OWNER'S NAME (Arile Furst and Liliam Furst), BUILDING STREET ADDRESS (800 Lake View Drive), CITY (Miami Beach), STATE (FL), ZIP CODE, PROPERTY DESCRIPTION (Lot 8, Block 30, Lake View Subdivision, Pb 14, Pg 42), BUILDING USE (Residential), LATITUDE/LONGITUDE (OPTIONAL), HORIZONTAL DATUM, SOURCE (GPS, USGS Quad Map, Other).

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

Form with fields: B1. NFIP COMMUNITY NAME & COMMUNITY NUMBER (120651 Miami Beach), B2. COUNTY NAME (Miami-Dade), B3. STATE (FL), B4. MAP AND PANEL NUMBER (12025C 0182), B5. SUFFIX (J), B6. FIRM INDEX DATE (7-17-95), B7. FIRM PANEL EFFECTIVE/REVISED DATE (3-2-94), B8. FLOOD ZONE(S) (AE), B9. BASE FLOOD ELEVATION(S) (8).

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in B9. [] FIS Profile [X] FIRM [] Community Determined [] Other (Describe):
B11. Indicate the elevation datum used for the BFE in B9: [X] NGVD 1929 [] NAVD 1988 [] Other (Describe):
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? [] Yes [X] No
Designation Date:

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: [] Construction Drawings* [] Building Under Construction* [X] Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.
C2. Building Diagram Number 1 (Select the building diagram most similar to the building for which this certificate is being completed - see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)
C3. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO
Complete Items C3.a-i below according to the building diagram specified in Item C2. State the datum used. If the datum is different from the datum used for the BFE in Section B, convert the datum to that used for the BFE. Show field measurements and datum conversion calculation. Use the space provided or the Comments area of Section D or Section G, as appropriate, to document the datum conversion.
Datum NGVD 1929 Conversion/Comments
Elevation reference mark used Miami Dade BM Does the elevation reference mark used appear on the FIRM? [] Yes [X] No
a) Top of bottom floor (including basement or enclosure) 6.55 ft.(m)
b) Top of next higher floor 6.85, 7.40 ft.(m)
c) Bottom of lowest horizontal structural member (V zones only) n/a ft.(m)
d) Attached garage (top of slab) n/a ft.(m)
e) Lowest elevation of machinery and/or equipment servicing the building (Describe in a Comments area.) 5.25 ft.(m)
f) Lowest adjacent (finished) grade (LAG) 4.8 ft.(m)
g) Highest adjacent (finished) grade (HAG) 5.0 ft.(m)
h) No. of permanent openings (flood vents) within 1 ft. above adjacent grade n/a
i) Total area of all permanent openings (flood vents) in C3.h n/a sq. in. (sq. cm)

License Number, Embossed Seal, Signature, and Date
Signature: [Handwritten Signature]
Date: 4-17-03
PLS# 2852

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information in Sections A, B, and C on this certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

CERTIFIER'S NAME: JOSE A. PEREZ LICENSE NUMBER: 2852
TITLE: LAND SURVEYOR COMPANY NAME: CONTINENTAL LAND SURVEYORS, INC.
ADDRESS: 1700 SW 57th AVE. SUITE 201 CITY: MIAMI STATE: FL ZIP CODE: 33155
SIGNATURE: [Handwritten Signature] DATE: 4-17-03 TELEPHONE: 305-262-1925

PERMIT #

B0103043

DA-19-0004 01:20P FROM:USG 305 605 0022 TO:300630246 P:4-0

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE PLANNING DEPARTMENT

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE PLANNING DEPARTMENT
140 WEST FLAGLER STREET, SUITE 1000
MIAMI, FLORIDA 33136-0000
(305) 375-2300 FAX (305) 375-0400

CONSTRUCTION INDUSTRIES
3900 SW 10TH AVENUE, SUITE 100
MIAMI, FLORIDA 33135-3000
(305) 375-2300 FAX (305) 375-0400

PRODUCT CONTROL DIVISION
3900 SW 10TH AVENUE, SUITE 100
MIAMI, FLORIDA 33135-3000
(305) 375-2300 FAX (305) 375-0400

PRODUCT CONTROL NOTICE OF ACCEPTANCE
Shrapnel Shoring-Tie Company, Inc.
4627 Chestnut Drive Suite 200
Pasadena, CA 91109

Your application for Notice of Acceptance (NOA) of Wood Connections

This MOA shall not be valid after the expiration date stated below. BCCO reserves the right to remove this product or material at any time there is a change in manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may create, 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: 09-0512.06
EXPIRES: 06/30/2010

Paul Robinson
Chief Building Control Division

IN THE NAME OF THE GOVERNMENT, THE ADDITIONAL PAGE FOR REVIEW AND GENERAL COMMENTS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

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

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

APPROVED: 11/19/09

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

DA-19-0004 01:20P FROM:USG 305 605 0022 TO:300630246 P:3-0

Shrapnel Shoring-Tie Co., Inc.

ACCEPTANCE NO: 09-0512.06
APPROVED: NOV 9 9 2009
EXPIRES: 06/30/2010

NOTICE OF ACCEPTANCE-RECORDING CONDITIONS

1. **SCOPE**
1.1 This notice and annex the Notice of Acceptance No. 09-0512.06, which was issued on 09/09/09. It appears word containing as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SBFC), 2004 Edition for Miami-Dade County. For the location where the actual load is determined by SBFC Chapter 21, do not exceed the design load indicated in the approved drawings.

2. **PRODUCT DESCRIPTION**
2.1 The Shrapnel Shoring-Tie Wood Connections shall be fabricated and used in strict compliance with the following description: Drawing No. S-2005 and sheets 1 through 3 of 3, titled "SHRAPNEL Double Shear Joint Shoring & TIE Assembly Type Shoring", prepared by E. W. Building Connections, Inc. dated 06/09/09 with last revision on 09/09/09. 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 Product Control Division. These documents shall be available to be utilized in or on the approved drawings.

3. **LIMITATIONS**
3.1 Alternative loads are the Douglas Fir-Larch or better with a specific gravity of 0.39 and moisture content of 19% or less.
3.2 Alternative loads are based on testing per ASTM D1751 and calculations per National Design Specifications for Wood Construction 1991 Edition & 1995 Edition.

4. **INSTALLATION**
4.1 The wood connections shall be installed in strict compliance with the approved drawings.

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 specified in Section 2 of this Notice of Acceptance, clearly marked to show the changes and notes submitted for the proposed modification.
6.1.3 Any other documents required by the Building Official or the SBFC in order to properly evaluate the installation of these products.

Francisco Quintana, P.E., Sr. Product Control Manager
Product Control Division

DA-19-0004 01:20P FROM:USG 305 605 0022 TO:300630246 P:4-0

Shrapnel Shoring-Tie Co., Inc.

ACCEPTANCE NO: 09-0512.06
APPROVED: NOV 9 9 2009
EXPIRES: 06/30/2010

NOTICE OF ACCEPTANCE STANDARD CONDITIONS

1. Records of this Acceptance (system) shall be maintained after a record application has been filed and the original submitted documents, including but not limited to, engineering documents, are on file for 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. Records of Acceptance will not be voided if:
a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is still in compliance with the code change;
b) The product is no longer the same product (quantity) as the one originally approved;
c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the current 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 violation or change in the materials, size, number, construction of the product or process shall automatically be cause for revocation of this Acceptance, unless prior written approval has been requested through the filing of a written application with appropriate fee and granted by this office.

5. Any of the following shall also be grounds for removal of this Acceptance:
a) Unlawful performance of this product or process.
b) Misuse of this Acceptance as an endorsement of any product, service, advertising or any other purpose.

6. The Notice of Acceptance number provided by the South Florida Building Code, 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 site by the manufacturer or its distributor and shall be available for inspection at the job site at all times. The engineer need not remain the engineer.

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

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

Francisco Quintana, P.E., Sr. Product Control Manager
Product Control Division

END OF THIS ACCEPTANCE

HP OfficeJet
Personal Printer/Fax/Copier/Scanner

Fax History Report for
Willie Sellers
303-638-3246
Apr-28-01 10:30am

Log File

Date	Time	Type	Identification	Duration	Pages	Result
Apr 28	10:29am	Send	19549549895753	0:00	0	No answer

Roof capacity of 2x6 @ supports 6'c Duce mentioned

Options: $M = 16'$ MUST BE LOCATED @ 3rd PL. A' SPAN.

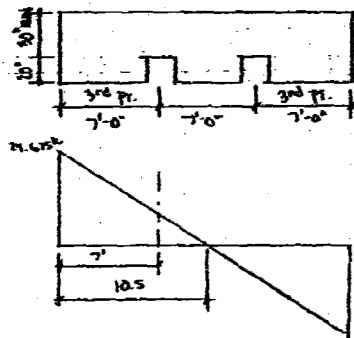
From Calculations on Page 7:

$R_{max} = 2850 + 21/2 = 24,675$

$R_{sp} = \frac{24,675 \times 7}{10.5} = 16,457$

$A/C = 3^{rd}$ PL. (assume $d = 21.5'$)

$M = \frac{(24,675)(200 + 21.5) + (16,457)(12.5)}{12}$
 $= 20.5 + 34.25 = 54.75 > 50.0$



DESIGN CALCULATIONS

PREFAB ROOF GIRDERS - Pre-manufactured Steel Tie Down

Reference: NDS-1891

4" wide plate
 $C_u = 1.90$ (NDS 2.3.14)
Allowable compression perpendicular to grain = $0.85 \text{ psi} \times 1.10 = 621.5 \text{ psi}$
1-ply plate: Allowable bearing = $4" \times 1.5" \times 621.5 = 3728$
2-ply plate: Allowable bearing = $4" \times 3" \times 621.5 = 7456$
3-ply plate: Allowable bearing = $4" \times 4.5" \times 621.5 = 11,184$

Expansion Anchor Capacity

(2) 1/2" diameter HRB Hook Bolt 8 expansion anchors with 4.75" minimum embedment
Shear capacity = $2 \times 1.33 \text{ ksi} \times 5120" \times (0.91 \text{ edge factor}) \times (0.67 \text{ spacing factor}) = 8304$

(4) 1/2" diameter HRB Hook Bolt 8 expansion anchors with 4.75" minimum embedment
Shear capacity = $4 \times 1.33 \text{ ksi} \times 5120" \times (0.91 \text{ edge factor}) \times (0.67 \text{ spacing factor}) = 16608$

CONCLUSION

Condition 1 - section 710-B, 1-ply, (2) 1/2" diameter HRB Hook Bolts with 4" wide plate assembly - capacity = 3,728

Miami-Dade County
Product Approvals

N.O.A.'s

The Furst Residence
July 16, 2001

(USP) RIGIDS DTL / RT STRIPS

MIAMI-DADE COUNTY, FLORIDA
 METRO-DADE FLAGLER BUILDING
 BUILDING CODE COMPLIANCE OFFICE
 130 WEST FLAGLER STREET, SUITE 800
 MIAMI, FLORIDA 33130-2505
 (305) 375-2505 FAX (305) 375-2505

PRODUCT CONTROL NOTICE OF ACCEPTANCE
 United Steel Products Company
 783 Rogers Drive (P. O. Box 99)
 Montgomery, AL 36107

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

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

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

ACCEPTANCE NO. **08-02147**
 EXPIRES: **12/31/00**

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

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

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

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

TRUSS HANGER - U220

Product Code	Description	Material	Finish	Dimensions	Weight
U220	Truss Hanger	A36	Galvanized	1/2" x 1/2" x 1/2"	1.00

Q) Member attached to web of W-section.

GIRDER HANGER HEAVY

Product Code	Description	Material	Finish	Dimensions	Weight
GH	Girder Hanger Heavy	A36	Galvanized	1/2" x 1/2" x 1/2"	1.00

Q) Member attached to web of W-section.

TRUSS ANCHOR - B1C

Product Code	Description	Material	Finish	Dimensions	Weight
B1C	Truss Anchor	A36	Galvanized	1/2" x 1/2" x 1/2"	1.00

Q) Member attached to web of W-section.

GENERAL NOTES

1. THIS SHALL BE USED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE.
2. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN AND TESTING OF THE PRODUCT.
3. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE QUALITY CONTROL OF THE PRODUCT.
4. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE DELIVERY OF THE PRODUCT TO THE JOBSITE.
5. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PRODUCT FROM WEATHER AND DAMAGE.
6. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PRODUCT FROM THEFT.
7. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PRODUCT FROM VANDALISM.
8. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PRODUCT FROM OTHER DAMAGES.

FOR OFFICE USE

REVIEWED BY	DATE
APPROVED BY	DATE

12-1-00

(USP) RIGIDS TA / RT STRIPS

MIAMI-DADE COUNTY, FLORIDA
 METRO-DADE FLAGLER BUILDING
 BUILDING CODE COMPLIANCE OFFICE
 METRO-DADE FLAGLER BUILDING
 130 WEST FLAGLER STREET, SUITE 800
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Francisco J. Quintana, R.A.
 Director
 Miami-Dade County
 Building Code Compliance Office

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

GENERAL NOTES

- 1) L1 and L2 are to be applied perpendicular to bearing wall
- 2) L2 are to be applied perpendicular to bearing wall
- 3) Allowable loads for span, L1 and L2 are not to be combined
- 4) Minimum nail penetration 1.5"

BT DATED THE SERIES 14 GRADE

Product	Dimensions	Weight	Allowable Load
BT10	10" x 10"	1.5	2000
BT12	12" x 12"	2.0	2500
BT14	14" x 14"	2.5	3000
BT16	16" x 16"	3.0	3500
BT18	18" x 18"	3.5	4000
BT20	20" x 20"	4.0	4500
BT22	22" x 22"	4.5	5000
BT24	24" x 24"	5.0	5500
BT26	26" x 26"	5.5	6000
BT28	28" x 28"	6.0	6500
BT30	30" x 30"	6.5	7000
BT32	32" x 32"	7.0	7500
BT34	34" x 34"	7.5	8000
BT36	36" x 36"	8.0	8500
BT38	38" x 38"	8.5	9000
BT40	40" x 40"	9.0	9500
BT42	42" x 42"	9.5	10000
BT44	44" x 44"	10.0	10500
BT46	46" x 46"	10.5	11000
BT48	48" x 48"	11.0	11500
BT50	50" x 50"	11.5	12000

14 GRADE BENCH SERIES 14 GRADE

Product	Dimensions	Weight	Allowable Load
BT10	10" x 10"	1.5	2000
BT12	12" x 12"	2.0	2500
BT14	14" x 14"	2.5	3000
BT16	16" x 16"	3.0	3500
BT18	18" x 18"	3.5	4000
BT20	20" x 20"	4.0	4500
BT22	22" x 22"	4.5	5000
BT24	24" x 24"	5.0	5500
BT26	26" x 26"	5.5	6000
BT28	28" x 28"	6.0	6500
BT30	30" x 30"	6.5	7000
BT32	32" x 32"	7.0	7500
BT34	34" x 34"	7.5	8000
BT36	36" x 36"	8.0	8500
BT38	38" x 38"	8.5	9000
BT40	40" x 40"	9.0	9500
BT42	42" x 42"	9.5	10000
BT44	44" x 44"	10.0	10500
BT46	46" x 46"	10.5	11000
BT48	48" x 48"	11.0	11500
BT50	50" x 50"	11.5	12000

NEW CALCULATIONS

U.S. STRUCTURES, INC.
Structural Engineering
Professional Engineering
Threshold Inspection

SUPPLEMENTARY STRUCTURAL CALCULATIONS
FOR THE
**ALTERATIONS AND ADDITIONS FOR
MR. & MRS. FURST**

LOCATED AT
**800 LAKE VIEW DRIVE
MIAMI BEACH, FLORIDA**

DATE:
REVISION NO. 1: JUNE 25, 2001 (SHEETS 2, 8, 11 AND 12)
ORIGINAL SUBMISSION: MAY 21, 2001 (SHEETS 1 - 10)

JOSE A. TOLEDO, P.E.
STRUCTURAL ENGINEER
FL LICENSE #54891

17911 NORTHWEST 19 STREET - PEMBROKE PINES - FLORIDA - 33029
PHONE: 954.418.0857 - FAX: 954.704.0038 - E-MAIL: JAT@USTRUCTURES.COM - CA 8439

Revision No. 1 06/25/01

Job Furst Residence
Sheet No. 2 of 10
CALCULATED BY JAT DATE SEP 2000
TITLE Roof Design

DESIGN CALCULATIONS

Ref. Design Wind Speed ($V = 5'$ FEET) $Dura = 2.4/2 = 117 \#$
 $P_{wind} = 31 (1.1 - 0.15) = 42 \text{ psf} < 27 \text{ psf (NET UPSET)}$
 $P_{snow} = 31 (2.0 - 0.15) = 70 \text{ psf} < 55 \text{ psf (NET UPSET)}$

(1) **ORIGIN TRUSS**
 $R = (3.5 \times 55) + (9 \times 2 \times 27) = 810 \#$
 - USE DIMENSION TRUSS FOR THE BEAM (CAPACITY 1105 #)
 - USE DIMENSION TRUSS FOR THE BEAM (CAPACITY 1020 w/ 4' square)

(2) **CARRIER TO ENDS**
 $P_{SW} = 3.5 \times 2 \times (20 \times 25) = 1050 \#$
 $P_{UPSET} = (3.5 \times 55 \times 2.55) + (2 \times 3.5 \times 27) = 1120 \#$
 - USE DIMENSION TRUSS FOR THE BEAM (CAPACITY 1105 #) $(1050 \times 2 = 2100 \#)$
 - USE (2) DIMENSION TRUSS FOR THE BEAM (CAPACITY 2040 #)

(3) **INTERNAL GIRDERS**
 $R_g = (11 \times 1.5) \times (45) = 720 \#$
 $P_{UP} = (11 \times 1.5) \times (27) = 430 \#$

(4) **INTERNAL TRUSS CARRIER - TRANSFER**
 $P_{INTERNAL TRUSS} = (2.5/2 \times 2 \times 45) + (720 \times 2.5/2) = 3984 \#$
 $P_{INTERNAL UPSET} = (2.5/2 \times 2 \times 27) + (430 \times 2.5/2) = 2591 \#$
 USE (2) FTB COP = 321020 = 3020 #

U.S. STRUCTURES, INC.
CONSULTING STRUCTURAL ENGINEERS

Revision 06.15.01
Job FURST Residence
SHEET NO 8 OF 10
CALCULATED BY JST DATE 08/2000
TITLE FLOOR Deck

DESIGN CALCULATIONS

1. 14×24 (max load - critical load) du 20
 $W = 14(20 \times 10 + 7/12 \times 150 \times 10 + 11 \times 24) + 1.7(100 \times 10) = 3000 \text{ plf}$
 $A_s = 3000 \times 12 / 8000 = 4.5 \text{ in}^2$
 $A_s = 4.5 \times 12000 / 11 \times 20.5 = 580 \text{ mm}^2$
 $A_s = 0.0037 \times 11 \times 20.5 = 0.875 \text{ in}^2 \rightarrow 3 \# \text{ @ } 10$ (1.32) of 24 in.
 $0.01 \times 3000 \times (14 \times 20.5 - 20.5^2 / 12) = 11.4 \text{ k}$
 $W_{1/2} = 0.05 \times 3000 \times 11 \times 20.5 = 13.9 \text{ k} - \text{min } W_{1/2} \text{ (} 13 \times 10 \text{ d.c.)}$

$\Delta = 14.5' \text{ span}$
 $M_u = 3000 \times 14.5^2 / 8000 = 70.8 \text{ k-ft}$
 $F_u = 70.8 \times 12000 / 11 \times 20.5 = 101 \rightarrow \rho = 0.0033 \text{ (min } \rho \text{)}$
 - approx. REIN. SILL OFFERS.

U.S. STRUCTURES, INC.
CONSULTING STRUCTURAL ENGINEERS

Revision 06.15.01
Job FURST Residence
SHEET NO 11 OF 10
CALCULATED BY JST DATE 08/2000
TITLE FLOOR Deck

DESIGN CALCULATIONS

Concrete Slab Design (edge beam)
 25-4 Depth, in (h) = 22.00 Effec. "l" = 28.50
 Width, in (b) = 16.00 Spac. (feet) = 28.00
 Total DL (plf) = 3000.00

Slab DL	(8'12" x 10'7")	700.00
Slab SDL	207	140.00
Beam DL	(8" @ 0' e.144)	300.00
total DL (plf)		1200.00
Deck LL	7'00"	420.00
total LL (plf)		420.00
TOTAL wu (plf)	DL: 1.44LL: 1.7	2020.00

Bonding:
 $M_u = w_u \times P^2 / 8000$ 120.20 kip-feet
 $K_u = M_u \times 12000 / (w_u \times l^2)$ 214.00
 from ACI Design Handbook
 $\rho_{req} = 0.0045$ per ACI 10.5.3
 $A_s \text{ required} = \rho_{req} \times w_u \times l$ 1.20 in²
 Bottom Reinf.: minimum 4#5 (A_s = 1.77)

Shear:
 $V_u \text{ @ } d \text{ (k)} = w_u \times (span/2 - d/12)$ 10943.12
 $\phi V_c/2 \text{ (k)} = 0.85 \times 1.7 \times 12 \times w_u \times d$ 15270.50 (min 6#2)

Use:
 Top Reinf.: 4#5
 Bottom Reinf.: 4#5
 Bottom Reinf.: 4#5
 Stirrups: #3 @ 6"

U.S. STRUCTURES, INC.
CONSULTING STRUCTURAL ENGINEERS

Revision 06.15.01
Job FURST Residence
SHEET NO 12 OF 10
CALCULATED BY JST DATE 08/2000
TITLE FLOOR Deck

DESIGN CALCULATIONS

Concrete Slab Design (interior beam)
 25-4 Depth, in (h) = 18.00 Effec. "l" = 15.50
 Width, in (b) = 16.00 Spac. (feet) = 28.00
 Total DL (plf) = 3000.00

Slab DL	(8'12" x 10'7" x 10.5)	1050.00
Slab SDL	207 x 10.5	210.00
Beam DL	(8" @ 0')	288.00
total DL (plf)		1548.00
Deck LL	10.5'00"	630.00
total LL (plf)		630.00
TOTAL wu (plf)	DL: 1.44LL: 1.7	2228.00

Bonding:
 $M_u = w_u \times P^2 / 8000$ 101.91 kip-feet
 $K_u = M_u \times 12000 / (w_u \times l^2)$ 505.44
 from ACI Design Handbook
 $\rho_{req} = 0.0107$ per ACI 10.5.3
 $A_s \text{ required} = \rho_{req} \times w_u \times l$ 2.55 in²
 Bottom Reinf.: minimum 4#5 (A_s = 3.07)

Shear:
 $V_u \text{ @ } d \text{ (k)} = w_u \times (span/2 - d/12)$ 28100.33
 $\phi V_c/2 \text{ (k)} = 0.85 \times 1.7 \times 12 \times w_u \times d$ 11545.00 (min 6#2)

Use:
 Top Reinf.: 6#5
 Bottom Reinf.: 4#5
 Bottom Reinf.: 6#5
 Stirrups: #3 @ 6"

MIAMI-DADE COUNTY
 COPY OF PRODUCT APPROVALS
 N.O.A.'s
 FIRST RESIDENCE



San Francisco Office
 1-800-237-0470

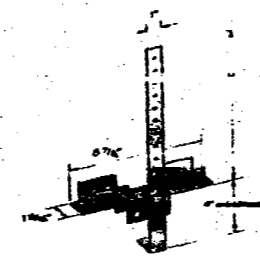
Customer Service / Technical Assistance
 Mississippi Corporate Office
 1-800-388-8804

Wes Hughes
 Tampa Office
 1-800-440-6442

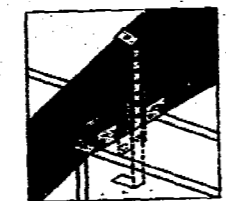
Embedded Tress Anchors (Rebar) - TAPL series & DFC
 The TAPL system & DFC provide an engineered solution for attaching sections to concrete or masonry walls, formative cast design gives added lateral resistance while still providing a moisture barrier.

Associated: T-1 girth
 Models: GBS galvanizing
 Codes: SBCCI 2031,
 Dade County, FL 90-1016.02 & 90-1218.03

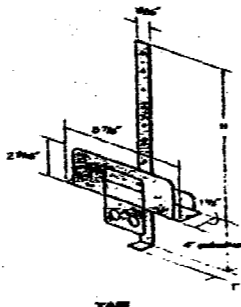
- Installation:**
- Use all specified fasteners. See General Notes, page 6.
 - Embed 4" into concrete form beams or Mock wall girth.
 - Installations should be spaced no closer together than 6" center-to-center.



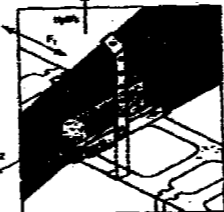
DFC



Typical DFC installation



TAPL



Typical TAPL 16 installation

Model	Material	Size	Length	Weight	Capacity	Capacity	Capacity	Capacity	Capacity
TAPL16	REBAR	1/2"	16"	0.50	1000	1000	1000	1000	1000
TAPL16	REBAR	3/8"	16"	0.38	750	750	750	750	750
TAPL16	REBAR	1/4"	16"	0.25	500	500	500	500	500
DFC	REBAR	1/2"	16"	0.50	1000	1000	1000	1000	1000

Capacity based on 4000 psi concrete and 60,000 psi rebar. Capacity may vary with concrete and rebar strength. See General Notes, page 6 for details.



THE ORIGINAL ANCHORING SYSTEM THAT GUARANTEES PROPER EMBEDMENT AND CONCRETE, BRICK OR BLOCK

- Fast and easy to install. Approximately 2 inches a second.
- Superior product line. Strong, durable.
- Available in 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4", 5", 6", 8", 10", 12", 14", 16", 18", 20", 24", 28", 32", 36", 40", 48", 60", 72", 84", 96", 108", 120", 144", 168", 192", 216", 240", 288", 360", 480", 600", 720", 840", 960", 1080", 1200", 1440", 1680", 1920", 2160", 2400", 2880", 3600", 4800", 6000", 7200", 8400", 9600", 10800", 12000", 14400", 16800", 19200", 21600", 24000", 28800", 36000", 48000", 60000", 72000", 84000", 96000", 108000", 120000", 144000", 168000", 192000", 216000", 240000", 288000", 360000", 480000", 600000", 720000", 840000", 960000", 1080000", 1200000", 1440000", 1680000", 1920000", 2160000", 2400000, 2880000, 3600000, 4800000, 6000000, 7200000, 8400000, 9600000, 10800000, 12000000, 14400000, 16800000, 19200000, 21600000, 24000000, 28800000, 36000000, 48000000, 60000000, 72000000, 84000000, 96000000, 108000000, 120000000, 144000000, 168000000, 192000000, 216000000, 240000000, 288000000, 360000000, 480000000, 600000000, 720000000, 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U.S. STRUCTURES, INC.

Structural Engineering
Forensic Engineering
Threshold Inspection

STRUCTURAL CALCULATIONS

FOR THE
**ALTERATIONS AND ADDITIONS FOR
MR. & MRS. FURST**

LOCATED AT:
880 LAKE VIEW DRIVE
MIAMI BEACH, FLORIDA

DATE:
MAY 21, 2001 (SHEETS 1 - 10)

Jose A. Toledo
05.21.01
JOSE A. TOLEDO, P.E.
STRUCTURAL ENGINEER
FL LICENSE #54891

5900 N.W. 108th St., Suite 100, Miami, FL 33157 • 305.445.4555
1100 S.W. 8th St., Suite 200, Fort Lauderdale, FL 33304 • 305.445.5522

U.S. STRUCTURES, INC.
CONSULTING STRUCTURAL ENGINEERS

DESIGN CALCULATIONS

Job Furst
SHEET NO 1 OF 10
CALCULATED BY JAT DATE SEP. 2000
TITLE WIND LOADS

Project: FURST RESIDENCE
14000 BAY ROAD
MIAMI BEACH, FL

DESIGN WINDS: ROOF LINE WIND = 20 psf SLOPED / 20 psf FLAT
RAMP LINE WIND = 40 psf (60 psf @ RECESSES)

WIND LOADS: IN ACCORDANCE WITH ASCE 7-88, Sec. C for Cat. I, Exp. D - Category I
Z = 20'; h = 24 ft.; $\theta = 15^\circ$; Cor I; I = 1.05

$q_z = 0.00256 \times 1.75 (1.05 \times 110)^2 = 45.4 \text{ psf}$
 $q_h = 0.00256 \times 1.75 (1.05 \times 110)^2 = 44.4 \text{ psf}$

$q_h = 0.00256 \times 2.0 \times 110 (1.05 \times 110)^2 = 31.0 \text{ psf}$

DESIGN PRESSURE - WINDOWS + DOORS: (ZONE WINDS $a = 3$ FEET)

1) TIPOCAL WINDOW AREA = 310 ft²
 $P_{+15} = 31.0 (+1.4 + 0.25) = +51.2 \text{ psf}$
 $P_{-4} = 31.0 (-1.4 - 0.25) = -51.3 \text{ psf}$
 $P_{-5} = 31.0 (-2.0 - 0.25) = -70.0 \text{ psf}$

2) TIPOCAL DOOR AREA = 21 ft²
 $P_{+15} = 31.0 (+1.4 + 0.25) = +48.1 \text{ psf}$
 $-4 = 31.0 (-1.4 - 0.25) = -51.2 \text{ psf}$
 $-5 = 31.0 (-1.8 - 0.25) = -63.5 \text{ psf}$

17911 NORTHWEST 19 STREET • PEMBROKE PINES • FLORIDA • 33029
PHONE 954.438.0857 • FAX 954.704.0038 • E-MAIL: USI@GNDSPRING.COM • CA 8439

U.S. STRUCTURES, INC.
CONSULTING STRUCTURAL ENGINEERS

DESIGN CALCULATIONS

Job Furst Residence
SHEET NO 2 OF 10
CALCULATED BY JAT DATE SEP. 2000
TITLE ROOF DESIGN

Roof Design: WIND LOADS (a = 3 FEET) DFM = 20 psf = 17 psf

$P_{zone 0} = 31 (-1.1 - 0.25) = 42 \text{ psf} < 27 \text{ psf (NET UPLIFT)}$
 $P_{zone 1} = 31 (-2.0 - 0.25) = 70 \text{ psf} < 55 \text{ psf (NET UPLIFT)}$

(1) OPERA TRUSS
 $R = (372 \times 55) + (9 \times 2 \times 27) = 20.8 \text{ k}$
- USE BRACES PER 2 HORIZ. BEAM (Capacity 1410 #)
- USE 10000S FTB w/ 20 TOP CHORD 2 HORIZ. BEAM (Capacity = 1070 w/ 9 TOP CHORD)

(2) CORNER 2 ENDS
 $P_{gw} = 3.9 \times 12 \times (20 + 25) = 1890 \text{ #}$
 $P_{up} = (3.5 \times 4 \times 55) + (7 \times 2 \times 27) = 1120 \text{ #}$
- USE BRACES PER 2 HORIZ. BEAM (Capacity = 1110 #)
- USE (2) BRACES FTB w/ 2 TOP CHORD 2 HORIZ. BEAM (Capacity = 2040 #)

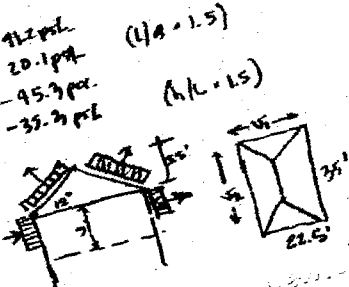
(3) SMALL INTERIOR GIRDER
 $P_g = (11 \times 15) \times (45) = 720 \text{ #}$
 $P_{up} = (11 \times 14) \times (27) = 410 \text{ #}$

(4) INTERIOR TRUSS GIRDER - TRANSFER
 $P_{interior gw} = (27/2 \times 2 \times 45) + (3218 \times 27/24) = 3284 \text{ #}$
 $P_{interior up} = (27/2 \times 2 \times 27) + (1931 \times 27/24) = 2391 \text{ #}$
USE (2) FTB cap = 3 x 1070 = 3210 #

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PHONE 954.438.0857 • FAX 954.704.0038 • E-MAIL: USI@GNDSPRING.COM • CA 8439

JOB Forest Preserve
SHEET NO. 3 OF 10
CALCULATED BY JST DATE 9/20/00
TITLE Diaphragm Joists

Roof Diaphragm (multiplied by exp D)
Windward wall $P = 45.4 (1.14) (-0.9) = -42.2 \text{ plf}$
Leeward wall $P = 44.4 (1.14) (-0.9) = -45.3 \text{ plf}$
Windward slope $P = 44.4 (1.14) (-0.9) = -45.3 \text{ plf}$
Leeward slope $P = 44.4 (1.14) (-0.9) = -45.3 \text{ plf}$



$W_s = (21.1 + 21.1)(7.2)(0.9) + 5.12(45.3)(3.5) = 21.5$
 $5.12(45.3) = 232 \text{ plf}$
1996 Seismic W_s
Capacity = 255 > 232 : OK
w/ 102 mm = 60% reduction.

Second floor W_s
 $W_s = (42.1 + 21.1)(12.7)(0.9) / 95 = 180 \text{ plf}$
(with seismic effect in 45 direction)
3/4" moment (19/32) w/ 102 = 60% capacity = 255 > 180

JOB Forest Preserve
SHEET NO. 4 OF 10
CALCULATED BY JST DATE 9/20/00
TITLE Diaphragm Joists

DIAPHRAGM CALCULATIONS

Wind Roof over apartment (5000 psf)
Windward wall: $P_{zone} = 31.0(-2.0 - 0.25) = -70 \text{ plf}$ (55.0 plf net up)
 $P_{zone} = 31.0(-1.1 - 0.25) = -42 \text{ plf}$ (22 plf net up)
1) Cantor Wood
 $R_{gravity} = (24/2) \times 3.9(10.25) = 1733$
 $P_{trans} = (24/2) \times 3.9(35.12) = 1570 \rightarrow 1.6 \text{ k}$
USE WALDOES 1115 (1x2) = 170 x 2 = 2040
1/2" top - 3 x 5/8" capacity = 1570 per floor
2) Timber Truss
 $P_u = 24 \times 2 \times 2(55)(27/16) = 902 \text{ k}$
USE DIGIDES (1x1) = 1020 # w/ 1) 1/4" top caps = 550 > 902 = A

2nd Floor Frame - 1996 Seismic W_s TRANSFER = 21" O.C.
1996 Seismic W_s
 $R_{gravity} = 1/2(40 + 25) \times 2 = 700 \text{ #}$
 $R_{trans} = 1/2 \times 2(55) = 660 \text{ #}$

SIMPSON THAC92L capacity = 1155 # > 700 #
2x8 PRL WOOD GUYER w/ 1/4" top caps = 12" O.C.
Capacity = 460 # = 960 > 900 = OK

JOB Forest
SHEET NO. 5 OF 10
CALCULATED BY JST DATE 9/20/00
TITLE Diaphragm

DIAPHRAGM CALCULATIONS

Slab 2S

TERNOX EXC 2S
max h = 15.11/10 = 7.8 → 8" slab
 $W_s = 14(20 + 7/16(150)) + 17(60) = 270 \text{ plf}$
 $W_s = 270(15) / 1000 = 57 \text{ k-ft}$
 $W_s = 57 \times 1000 / 12 \times 12 = 198 \rightarrow R = 0.0035 (\text{max})$
 $\Delta S = 0.0035(12 \times 12) = 0.24 \text{ in}^2 / \text{ft} \rightarrow 4 \times 8 \text{ o.c. c.w. } (\Delta = 0.25) \text{ [2S]}$

2B-1
 $W_s = 14(12 + 7/16(7.8)) + 17(7 \times 30) + (270 \times 7) = 2346 \text{ plf}$
 $W_s = 2346 \times 20 / 1000 = 112 \text{ k-ft}$
 $W_s = 112 \times 12000 / 12 \times 12 \times 12 = 1.57 \rightarrow 3 \times 7 \text{ T16 } (1.30)$
 $\Delta S = 0.0061(12 \times 12 \times 12) = 23.4 \text{ #}$
 $W_s = 1.284 \times (20/12 - 21.5/12) \times 23.4 \text{ #}$
 $\Delta S = 0.0017(12 \times 12 \times 12) = 12.0 \text{ #} \rightarrow \text{min } 1/2 \text{ } 10 \text{ } \# \text{ dc}$

TERNOX DELA 27S
max h = 9.12/76 = 5.4 → 7" slab
 $W_s = 14(20 + 7/16(150)) + 17(60) = 253$
 $W_s = 253 \times 5 / 1000 = 2.6 \rightarrow R = 2.6 \times 12000 / (12 \times 12 \times 12) = 2.07 \rightarrow R = 0.0041$
 $\Delta S = 0.0041(12 \times 12 \times 12) = 0.17 \text{ in}^2 \rightarrow 4 \times 12 \text{ dc } 8000 \text{ w/ } (0.16)$

CITY OF MIAMI BEACH
BUILDING DEPARTMENT

APPENDIX 11

Convention Center Drive, 2nd Floor
Miami Beach, Florida 33139

Phone: (305) 673-7811
Fax: (305) 673-7825

SPECIAL INSPECTOR

REV: 8-22-2000

ATTENTION: Building Official

I, undersigned, a Professional Engineer, Registered Architect, registered in the State of Florida, have been retained by the owner, William Sumner I, P.E. of the property located at: 880 Lakeview Drive Miami Beach, FL, to perform all the duties of a Special Inspector, as defined in Section 305.3 of the South Florida Building Code.

I will be responsible to the Building Official of the City of Miami Beach for the inspection of the structural elements of buildings, including all foundations, piers, footings, all reinforced concrete and structural steel, and will file written reports for the same as to the progress, compliance or non-compliance with the plans and the South Florida Building Code. In the event of non-compliance the Building Official shall be notified immediately so that appropriate action can be taken. The pile logs and all concrete test reports will be submitted to the Building Official within one week after the completion.

Mandatory inspections, as required by the South Florida Building Code, MUST be performed by the City of Miami Beach on the special inspector is hired by the owner. The City building inspections must be called for on ALL FOUNDATION sections. Inspections performed by the special inspector hired by the owner are IN ADDITION to the mandatory inspections required by the City.

On completion of the structure, I will submit to the City of Miami Beach a certificate of compliance with the South Florida Building Code and approved plans.

ENGINEER/ARCHITECT SIGNATURE & SEAL: William Sumner I, P.E.
 ENGINEER/ARCHITECT (PRINTED): William Sumner I, P.E.
 LICENSE NUMBER: 39584
 CONTACT PHONE NUMBER: (305) 828-7499
 BUILDING PERMIT NUMBER: _____
 OWNER/AGENT SIGNATURE: William S. Selers
 OWNER/AGENT (PRINTED): William S. Selers
 BUILDING DEPARTMENT, ACCEPTED BY: _____
 DATE: _____

CITY OF MIAMI BEACH
BUILDING DEPARTMENT

APPENDIX 11

Must bear Engineer/Architect Original Signature and Raised Seal !!

Scope of work and/or type of inspection to be done:

Soil Testing & Pile Logging

William Sumner I, P.E.
ARCHITECT/ENGINEER
SEAL

GEOTECHNICAL
EXAMINATIONS
HYDROGEOLOGY
ASBESTOS



TESTING LABORATORIES
DRILLING SERVICES
INSPECTION SERVICES
ROOFING

DYNATECH ENGINEERING CORP.

Miami, August 22, 2000

Mr. Roger Piper
ROGER PIPER ARCHITECTS
20100 NE 21st Avenue
N. Miami Beach, FL 33179

Re: Proposed Addition @
800 Lake View Drive
Miami Beach, FL

Dear Mr. Piper:

Pursuant to your request, DYNATECH ENGINEERING CORP., completed a Subsoil Investigation on August 18, 2000 at the above referenced project. The purpose of our investigation was to verify subsoil conditions relative to foundation design of the proposed structures.

A total of (2) standard penetration boring test was performed according to ASTM-D 1586 down to an average depth of 25' below existing ground surface.

The following graph was developed as a general condition for the subject site: (refer to field boring logs for exact locations):

Depth		Description
From	To	
0'-0"	0'-6"	Topsoil
0'-6"	4'-0"	Tan beach sand
4'-0"	5'-0"	Gray silt
5'-0"	7'-6"	Peat
7'-6"	18'-6"	Gray beach sand
18'-6"	25'-0"	Tan sandy limestone

Groundwater table elevation was measured immediately at the completion of each boring and was found at an average depth of 3'-6" below existing ground surface. Fluctuation in water level should be anticipated due to seasonal variations and run off.

Based on our understanding of the proposed structure and our field boring logs, it is evident that the deep foundation system we needed to support the proposed addition without detrimental settlement to the structure.

Deep foundation systems shall consist of one of the following alternatives:

Alternatives Pile Foundation	Approximate Pile Depth	Size	Pile Capacity in Tens Compression	Pile Capacity in Tens Tension
Pile Piles	To Refund	3 Inch	5 Tons	3 Tons
Auger Cast Piles	20' BLS	12 Inch	25 Tons	12 Tons
Auger Cast Piles	20' BLS	14 Inch	35 Tons	17 Tons
Precast Concrete Piles	20' BLS	10"x 10"	17 Tons	8 Tons
Precast Concrete Piles	20' BLS	12"x 12"	25 Tons	12 Tons
Precast Concrete Piles	20' BLS	14"x 14"	35 Tons	17 Tons

BLS: Below Existing Land Surface

The proposed pile length is based on the existing ground elevation at the time of drilling. Pile length may vary depending on proposed grade beam elevation and soil profile.

A minimum of 4 piles shall be driven to determine production pile length. All work shall be performed in accordance with the applicable building code Chapter 24.


In case of existing structures in the vicinity of the pile driving operation, care shall be taken not to create excessive vibration. Vibration levels shall be monitored to verify compliance with county regulations. Steps must be taken to prevent excessive vibrations. The minimum center to center of piles or adjacent foundations shall be not less than twice the average diameter for round piles or 1 - 1/4 times the diagonal dimensions of rectangular piles, but in no case less than 30 inches.

All piles shall be designed by a professional engineer and shall be placed under supervision of our Geotechnical Engineer to verify compliance with our recommendations.

Regardless of the thoroughness of a Geotechnical exploration there is always the possibility that conditions may be different from those of the test locations; therefore, DYNATECH ENGINEERING CORP., does not guarantee any subsoil condition between the bore test holes. All data from the borings are for foundation analysis only and are not to be used for excavation or back filling estimates and pricing.

It has been a pleasure working with you and look forward to do so in the near future. Please feel free to contact us if we may be of further service to you.

Sincerely yours,


Waleed Nassouf, P.E.
DYNATECH ENGINEERING CORP.
Florida Reg. No. 29584
Special Inspector No. 757
WN/no



DYNATECH ENGINEERING CORP.

TEST BORING REPORT

CLIENT : ROGER PETER ARCHITECTS, INC.
PROJECT : Mr. & Mrs. Ariel Ferrer
ADDRESS : 800 Lake View Drive, Miami Beach, FL
LOCATION : See attached plan

DATE: 08-18-00
HOLE NO.: 1
DRILLER: MS & AS

DEPTH	DESCRIPTION OF MATERIALS	SAMPLE NUMBER	HAMMER BLOWS PER SAMPLE	REMARKS
1				
2	0" to 6" : TOPSOIL & GRASS	2	6 6	13
3			7 6	
4	6" to 2' : TAN BEACH SAND WITH ROCK FRAGMENTS	4	5 3	6
5			3 2	
6	2' to 4' : TAN BEACH SAND	6	1 1	2
7			1 1	
8	4' to 5' : GRAY SILT	8	2 2	5
9			3 12	
10	5' to 7'- 6" : FRAY	10	2 3	26
11	7'- 6" to 18'- 6" : GRAY BEACH SAND	11	17 19	26
12		12	16 17	35
13	18'- 6" to 25' : TAN SAND LIME ROCK	13	16 17	
14		14		
15		15		
16		16		
17		17		
18		18	19 15	
19		19	16 16	31
20		20		
21		21		
22		22		
23		23		
24		24	21 20	41
25		25	21 19	
26		26		
27		27		
28		28		
29		29		
30		30		
31		31		
32		32		
33		33		
34		34		
35		35		
36		36		
37		37		
38		38		

Water Level: 3' - 6" Below Surface

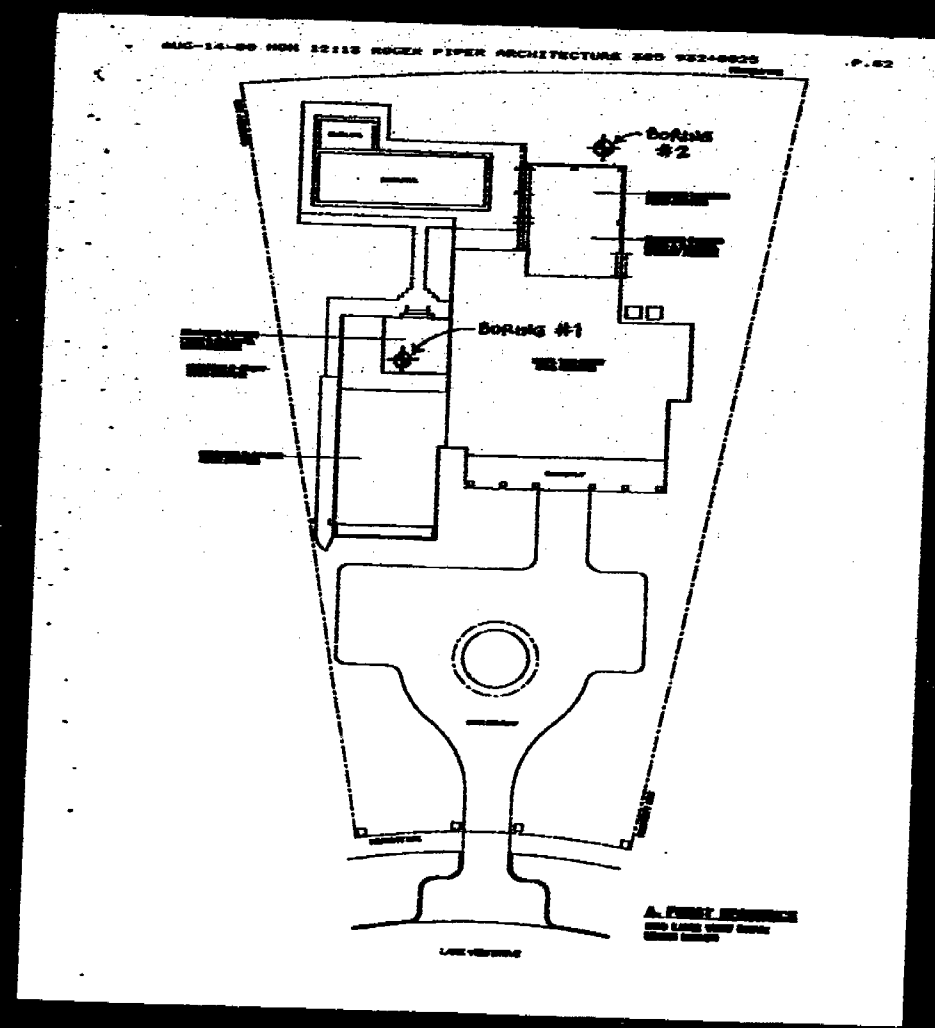
DYNATECH ENGINEERING CORP.
TEST BORING REPORT

CLIENT : ROGER PIPER ARCHITECTS, INC. DATE: 08-18-00
PROJECT : Mr. & Mrs. Ariel Post HOLE NO.: 2
ADDRESS : 800 Lake View Drive, Miami Beach, FL DRILLER: ME & AS
LOCATION : See attached plan

DEPTH	DESCRIPTION OF MATERIALS	SAMPLE NUMBER	HAMMER BLOWS ON SAMPLER	DEPTH
1				
2	6" to 6": YELLOIL & CRASS	2	5 4	7
3			3 4	
4	6" to 2': TAN BEACH SAND WITH ROCK FRAGMENTS	4	3 3	5
5			2 3	
6	2' to 4': TAN BEACH SAND	6	1 1	2
7			1 1	
8	4' to 5': GRAY SILT	8	2 1	3
9			2 11	
10	5' to 7'-6": GRAY	10	3 11	27
11			16 16	
12	7'-6" to 18'-6": GRAY BEACH SAND	12	18 13	28
13			15 11	
14	18'-6" to 25': TAN SAND LITEROCK	14	-	
15			-	
16			-	
17			-	
18			17 16	32
19			16 16	
20			-	
21			-	
22			-	
23			-	
24			18 18	36
25			17 17	
26			-	
27			-	
28			-	
29			-	
30			-	
31			-	
32			-	
33			-	
34			-	
35			-	
36			-	
37			-	
38			-	

Water Level: 3'-6" Before Surface

750 West 84 Street, Hialeah, FL 33014-3618 • Phone (305) 828-7499 • Fax (305) 828-9598



Royal Truss Corp.
Manufacturers of Engineered
Roof Trusses
1950 N.W. 75th Ave. • Hialeah Gardens, FL 33016

522-0020/21

U.S. STRUCTURES, INC.
CONSULTING STRUCTURAL ENGINEERS

This document has been prepared for compliance with the design concepts and information shown in the contract documents. Accuracy, completeness, consistency, quality, safety, precision, coordination, system and method, manner of construction, and a reference with other trade contracts are the responsibility of the contractor.

No exception Make Contract Items
 Error and Omission Report

Date: 2-13-01 4th Fl.

750 West 84 Street, Hialeah, FL 33014-3618 • Phone (305) 828-7499 • Fax (305) 828-9598

OWNER: **SOUTH FLORIDA RESTORATION**
PROJECT: **HADRYN RESIDENCE**
ADDRESS: **2220 NORTH SERPENT TERRACE**
CITY: **MIAMI BEACH, FLORIDA**
APPROVED FOR PERMIT BY: **FURST RESIDENCE**
LOCAL **800 LAKEVIEW DRIVE**

THE FOLLOWING:

BUILDING: 322/01 SH
ZONING: 212/02
PERMIT: PERMIT

CONCURRENCY:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL: 3/10/01 SH
ACCESSIBILITY:
ELEVATOR:

STRUCTURAL ONLY -
NO EXTERIOR ACCELERATION
ONLY COMPLIANCE TO THE LOAD
REQUIREMENTS REVIEWED

ACES-32 Ver. 1.1 [009420] ROYAL TRUSS
 CUSTOMER: SOUTH FLORIDA RESTORATION
 PROJECT: 1112
 Span: 23-10
 Family #: 5/12
 Top Pitch: 5/12
 REACTIONS - SIZE
 1-250 8.00
 7-224 8.00

FORCES - LOAD CASE #1
 1-2-2306 2-10-187
 2-3-2157 3-10-187
 3-4-2026 4-9-483
 4-5-2026 5-9-514
 5-6-2157 6-9-187
 6-7-2306

PROVIDE FOR 240 LBS UPLIFT AT JOINT 1 (0.50)
 PROVIDE FOR 640 LBS UPLIFT AT JOINT 7 (0.50)
 PROVIDE FOR 22 LBS VERTICAL REACTION AT JOINT 1
 PLATE OFFSETS (X=LEFT, Y=RIGHT) (S=4, 2)

L. HL TO PK: 5-5
 R. HL TO PK: 5-5
 LEFT HEIGHT: 0-5
 RIGHT HEIGHT: 0-5
 SPAN: 23-10
 RISE: 5-0
 MINIMUM GRADE OF LUMBER
 TOP CHORD: 2X4 NO. 2ND 19 SP
 BOT CHORD: 2X4 NO. 3 19 SP
 WEBS: 2X4 NO. 3 19 SP
 SPACING: 24.0 in. o. c.
 NO. OF MEMBERS = 1

REPEATITIVE STRESSES NOT USED

LOADING INCREASE	LOADING TYPE	PANEL (P1) / JOINTS (J2)
1	UNIFORM	1-2-90 2-6-158 6-7-90 7-8-20 8-12-35 12-14-20
1	CONCENTRATED	1-2-90 2-6-158 6-7-90 7-8-20 8-12-35 12-14-20

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT. BLDG. CAT. 1, EXP. CAT. C, 10(S)5) PSF DL, 0.50 HL FROM OCEANLINE (ASCE7-03).
 DEFLECTION (DL) LL = 0.37, LL+0.30, LL+0.67
 TRUSS MANUFACTURED FROM ASTM A 446 G60 GALVANIZED STEEL (EXCEPT AS SHOWN) DESIGN CONFORMS W/ASCE DESIGN SPEC. USE 94-1080, ANSI/TPIPS
 PLATES ARE NOTED H20-249, 200 MANUFACTURED FROM ASTM A 446 G60 GALVANIZED STEEL (EXCEPT AS SHOWN) DESIGN CONFORMS W/ASCE DESIGN SPEC. USE 94-1080, ANSI/TPIPS
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/ASCE DESIGN SPEC. USE 94-1080, ANSI/TPIPS
 THIS DESIGN IS FOR TRUSS FABRICATION ONLY, FOR PERMANENT AND TEMPORARY BRACING (WHICH IS ALWAYS REQUIRED) AT BLDG ARCHITECT OR ENGINEER.

ACES-32 Ver. 1.1 [009421] ROYAL TRUSS
 CUSTOMER: SOUTH FLORIDA RESTORATION
 PROJECT: 1112
 Span: 23-10
 Family #: 5/12
 Top Pitch: 5/12
 REACTIONS - SIZE
 1-250 8.00
 7-224 8.00

FORCES - LOAD CASE #1
 1-2-2306 2-10-187
 2-3-2157 3-10-187
 3-4-2026 4-9-483
 4-5-2026 5-9-514
 5-6-2157 6-9-187
 6-7-2306

PROVIDE FOR 240 LBS UPLIFT AT JOINT 1 (0.50)
 PROVIDE FOR 640 LBS UPLIFT AT JOINT 7 (0.50)
 PROVIDE FOR 22 LBS VERTICAL REACTION AT JOINT 1
 PLATE OFFSETS (X=LEFT, Y=RIGHT) (S=4, 2)

L. HL TO PK: 7-7
 R. HL TO PK: 7-7
 LEFT HEIGHT: 0-5
 RIGHT HEIGHT: 0-5
 SPAN: 23-10
 RISE: 3-4
 MINIMUM GRADE OF LUMBER
 TOP CHORD: 2X4 NO. 2ND 19 SP
 BOT CHORD: 2X4 NO. 2ND 19 SP
 WEBS: 2X4 NO. 3 19 SP
 SPACING: 24.0 in. o. c.
 NO. OF MEMBERS = 1

REPEATITIVE STRESSES NOT USED

LOADING INCREASE	LOADING TYPE	PANEL (P1) / JOINTS (J2)
1	UNIFORM	1-2-90 2-6-158 6-7-90 7-8-20 8-12-35 12-14-20
1	CONCENTRATED	1-2-90 2-6-158 6-7-90 7-8-20 8-12-35 12-14-20

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT. BLDG. CAT. 1, EXP. CAT. C, 10(S)5) PSF DL, 0.50 HL FROM OCEANLINE (ASCE7-03).
 DEFLECTION (DL) LL = 0.12, LL+0.10, LL+0.25
 TRUSS MANUFACTURED FROM ASTM A 446 G60 GALVANIZED STEEL (EXCEPT AS SHOWN) DESIGN CONFORMS W/ASCE DESIGN SPEC. USE 94-1080, ANSI/TPIPS
 PLATES ARE NOTED H20-249, 200 MANUFACTURED FROM ASTM A 446 G60 GALVANIZED STEEL (EXCEPT AS SHOWN) DESIGN CONFORMS W/ASCE DESIGN SPEC. USE 94-1080, ANSI/TPIPS
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/ASCE DESIGN SPEC. USE 94-1080, ANSI/TPIPS
 THIS DESIGN IS FOR TRUSS FABRICATION ONLY, FOR PERMANENT AND TEMPORARY BRACING (WHICH IS ALWAYS REQUIRED) AT BLDG ARCHITECT OR ENGINEER.

ACES-32 Ver. 1.1 [009422] ROYAL TRUSS
 CUSTOMER: SOUTH FLORIDA RESTORATION
 PROJECT: 1112
 Span: 23-10
 Family #: 5/12
 Top Pitch: 5/12
 REACTIONS - SIZE
 1-250 8.00
 7-224 8.00

FORCES - LOAD CASE #1
 1-2-2306 2-10-187
 2-3-2157 3-10-187
 3-4-2026 4-9-483
 4-5-2026 5-9-514
 5-6-2157 6-9-187
 6-7-2306

PROVIDE FOR 240 LBS UPLIFT AT JOINT 1 (0.50)
 PROVIDE FOR 640 LBS UPLIFT AT JOINT 7 (0.50)
 PROVIDE FOR 22 LBS VERTICAL REACTION AT JOINT 1
 PLATE OFFSETS (X=LEFT, Y=RIGHT) (S=4, 2)

L. HL TO PK: 12-10-15
 R. HL TO PK: 12-10-15
 LEFT HEIGHT: 0-5
 RIGHT HEIGHT: 0-5
 SPAN: 23-10
 RISE: 5-4-9
 MINIMUM GRADE OF LUMBER
 TOP CHORD: 2X4 NO. 2ND 19 SP
 BOT CHORD: 2X4 NO. 3 19 SP
 WEBS: 2X4 NO. 3 19 SP
 SPACING: 24.0 in. o. c.
 NO. OF MEMBERS = 2

REPEATITIVE STRESSES NOT USED

LOADING INCREASE	LOADING TYPE	PANEL (P1) / JOINTS (J2)
1	UNIFORM	1-2-90 2-6-158 6-7-90 7-8-20 8-12-35 12-14-20
1	CONCENTRATED	1-2-90 2-6-158 6-7-90 7-8-20 8-12-35 12-14-20

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT. BLDG. CAT. 1, EXP. CAT. C, 10(S)5) PSF DL, 0.50 HL FROM OCEANLINE (ASCE7-03).
 DEFLECTION (DL) LL = 0.09, LL+0.08, LL+0.17
 TRUSS MANUFACTURED FROM ASTM A 446 G60 GALVANIZED STEEL (EXCEPT AS SHOWN) DESIGN CONFORMS W/ASCE DESIGN SPEC. USE 94-1080, ANSI/TPIPS
 PLATES ARE NOTED H20-249, 200 MANUFACTURED FROM ASTM A 446 G60 GALVANIZED STEEL (EXCEPT AS SHOWN) DESIGN CONFORMS W/ASCE DESIGN SPEC. USE 94-1080, ANSI/TPIPS
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/ASCE DESIGN SPEC. USE 94-1080, ANSI/TPIPS
 THIS DESIGN IS FOR TRUSS FABRICATION ONLY, FOR PERMANENT AND TEMPORARY BRACING (WHICH IS ALWAYS REQUIRED) AT BLDG ARCHITECT OR ENGINEER.

ACCS-32 Ver. 1.1 [009423] [ROYAL TRUSS]
 Customer: SOUTH-FLORIDA-RESTORATION Project # : 1112 Truss ID : 2 Family # : 105
 Span : 13-8 Quantity : 2 Top Pitch : 5/12
 Date: 7/22/1998

FORCES - LOAD CASE #1		REACTIONS - SIZE	
1-2-2000	5-6-1814	2-7-1801	1-4006 8.00
2-3-1728	6-7-1299	3-7-1502	5-4026 8.00
3-4-1728	7-8-1814	4-8-1502	
4-5-2000			

PROVIDE FOR 696 LBS UPLIFT AT JOINT 1 (0.62)
 PROVIDE FOR 581 LBS UPLIFT AT JOINT 5 (0.62)
 PROVIDE FOR 13 LBS HORIZ. REACTION AT JOINT 1
 PROVIDE FOR 13 LBS HORIZ. REACTION AT JOINT 5

FIDIAS F. FLAQUER P.E.
 14801 S.W. 89 AVENUE
 MIAMI, FL 33176-8030
 STRUCTURAL ENGINEER
 FLORIDA REGISTER # 23070

TO BE 7-7
 HEIGHT: 0-5
 SPAN: 13-8
 RISE: 3-4
 R. HL TO PK: 7-2-11
 RIGHT HEIGHT: 0-6-11

LOADING (PSF)		MAX STRESSES		MINIMUM GRADE OF LUMBER	
TOP	30	TOP	1-2-0.535	TOP CHORD:	2X4 NO. 2ND 19 SP
BOTT	0	BOTT	7-8-0.828	BOT CHORD:	2X4 NO. 2ND 19 SP
			LL DEFL. 87=0.07 < L/360	WEBS:	2X4 NO. 3 19 SP

REPETITIVE STRESSES NOT USED
 STRESS INCREASE LOADING PANEL (PLF) / JOINTS (LBS)
 LUMBER PLATE TYPE UNIFORM 1-5-30 5-14-540

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT., BLDG. CAT. 1, EXP. CAT. C, 10(S+5) PSF DL, 0.50 HT FROM OCEANLINE (ASCE7-93).
 DEFLECTION (IN.) LL= 0.08, DL=0.07, TL=0.14
 PLATES ARE METEX #20-249, 200 MANUFACTURED FROM ASTM A 446 GRD A GALVANIZED STEEL (EXCEPT AS SHOWN)
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/MS DESIGN SPECS, USC 94-100, ANSI/T199
 THIS DESIGN IS FOR TRUSS FABRICATION ONLY, FOR PERMANENT AND TEMPORARY BRACING (WHICH IS ALWAYS REQUIRED) SEE ARCHITECT OR ENGINEER.

ACCS-32 Ver. 1.1 [009424] [ROYAL TRUSS]
 Customer: SOUTH-FLORIDA-RESTORATION Project # : 1112 Truss ID : 5 Family # : 104
 Span : 21-7 Quantity : 7 Top Pitch : 5/12
 Date: 7/22/1998

FORCES - GAWNEY LOADS		REACTIONS - SIZE	
1-2-2000	5-6-1814	2-7-1801	1-4006 8.00
2-3-1728	6-7-1299	3-7-1502	5-4026 8.00
3-4-1728	7-8-1814	4-8-1502	
4-5-2000			

PROVIDE FOR 696 LBS UPLIFT AT JOINT 1 (0.56)
 PROVIDE FOR 581 LBS UPLIFT AT JOINT 5 (0.51)
 PROVIDE FOR 13 LBS HORIZ. REACTION AT JOINT 1
 PROVIDE FOR 13 LBS HORIZ. REACTION AT JOINT 5

FIDIAS F. FLAQUER P.E.
 14801 S.W. 89 AVENUE
 MIAMI, FL 33176-8030
 STRUCTURAL ENGINEER
 FLORIDA REGISTER # 23070

TO BE 7-7
 HEIGHT: 0-5
 SPAN: 21-7
 RISE: 4-10-15
 R. HL TO PK: 11-8-5
 RIGHT HEIGHT: 0-5

LOADING (PSF)		MAX STRESSES		MINIMUM GRADE OF LUMBER	
TOP	30	TOP	1-2-0.693	TOP CHORD:	2X4 NO. 2ND 19 SP
BOTT	0	BOTT	7-1-0.564	BOT CHORD:	2X4 NO. 3 19 SP
			LL DEFL. 87=0.08 < L/360	WEBS:	2X4 NO. 3 19 SP

REPETITIVE STRESSES USED
 STRESS INCREASE LOADING PANEL (PLF) / JOINTS (LBS)
 LUMBER PLATE TYPE UNIFORM 1-5-30 5-14-540

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT., BLDG. CAT. 1, EXP. CAT. C, 10(S+5) PSF DL, 0.50 HT FROM OCEANLINE (ASCE7-93).
 DEFLECTION (IN.) LL= 0.08, DL=0.07, TL=0.14
 PLATES ARE METEX #20-249, 200 MANUFACTURED FROM ASTM A 446 GRD A GALVANIZED STEEL (EXCEPT AS SHOWN)
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/MS DESIGN SPECS, USC 94-100, ANSI/T199
 THIS DESIGN IS FOR TRUSS FABRICATION ONLY, FOR PERMANENT AND TEMPORARY BRACING (WHICH IS ALWAYS REQUIRED) SEE ARCHITECT OR ENGINEER.

ACCS-32 Ver. 1.1 [009425] [ROYAL TRUSS]
 Customer: SOUTH-FLORIDA-RESTORATION Project # : 1112 Truss ID : HG5A Family # : 314
 Span : 21-7 Quantity : 7 Top Pitch : 5/12
 Date: 7/22/1998

FORCES - LOAD CASE #1		REACTIONS - SIZE	
1-2-4146	6-7-3747	2-10-517	5-7-517
2-3-5054	7-8-3747	3-9-1502	1-2112 8.00
3-4-5054	8-9-5054	4-8-404	
4-5-5054	9-10-3747	5-8-0	
5-6-4146	10-11-3747	6-6-404	
		7-5-1502	

PROVIDE FOR 1300 LBS UPLIFT AT JOINT 1 (0.62)
 PROVIDE FOR 1300 LBS UPLIFT AT JOINT 6 (0.62)
 PROVIDE FOR 8 LBS HORIZ. REACTION AT JOINT 1
 PROVIDE FOR 8 LBS HORIZ. REACTION AT JOINT 6

FIDIAS F. FLAQUER P.E.
 14801 S.W. 89 AVENUE
 MIAMI, FL 33176-8030
 STRUCTURAL ENGINEER
 FLORIDA REGISTER # 23070

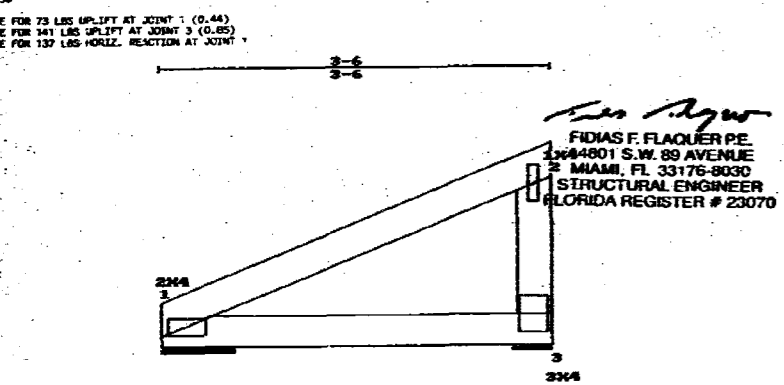
TO BE 7-7
 HEIGHT: 0-5
 SPAN: 21-7
 RISE: 2-6
 R. HL TO PK: 11-8-5
 RIGHT HEIGHT: 0-5

LOADING (PSF)		MAX STRESSES		MINIMUM GRADE OF LUMBER	
TOP	30	TOP	1-2-0.905	TOP CHORD:	2X4 NO. 2ND 19 SP
BOTT	0	BOTT	8-9-0.519	BOT CHORD:	2X4 NO. 3 19 SP
			LL DEFL. 88=0.25 < L/360	WEBS:	2X4 NO. 3 19 SP

REPETITIVE STRESSES NOT USED
 STRESS INCREASE LOADING PANEL (PLF) / JOINTS (LBS)
 LUMBER PLATE TYPE UNIFORM 1-2-90 2-3-158 5-6-90 5-7-20 7-10-35 10-11-20
 CONCENTRATED 7-402 10-402

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT., BLDG. CAT. 1, EXP. CAT. C, 10(S+5) PSF DL, 0.50 HT FROM OCEANLINE (ASCE7-93).
 DEFLECTION (IN.) LL= 0.25, DL=0.21, TL=0.46
 PLATES ARE METEX #20-249, 200 MANUFACTURED FROM ASTM A 446 GRD A GALVANIZED STEEL (EXCEPT AS SHOWN)
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/MS DESIGN SPECS, USC 94-100, ANSI/T199
 THIS DESIGN IS FOR TRUSS FABRICATION ONLY, FOR PERMANENT AND TEMPORARY BRACING (WHICH IS ALWAYS REQUIRED) SEE ARCHITECT OR ENGINEER.

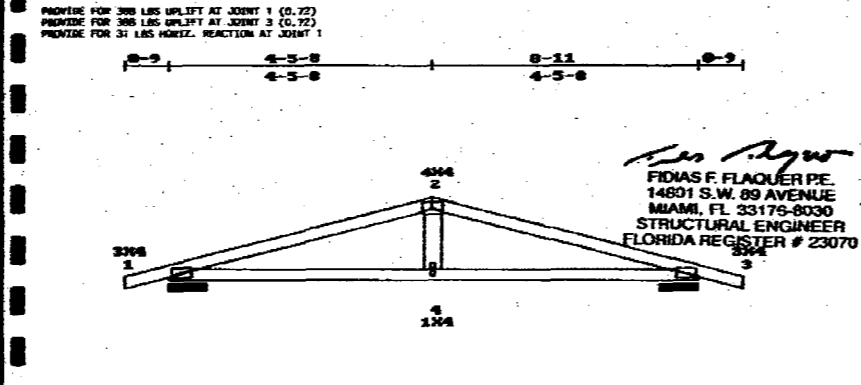
ACES-32 Ver. 1.1 [009429] ROYAL-TRUSS
 Customer: SOUTH-FLORIDA-RESTORATION
 Project #: 1112 Truss ID: MIA Family #: 3/12
 Span: 8-11 Quantity: 1 Top Pitch: 5/12



L. HL TO PK: 3-9-8
 HEIGHT: 0-5
 SPAN: 8-11 RISE: 1-10-8 RIGHT HEIGHT: 1-10-8
 MAX STRESSES: TOP 1-2=0.231, BOT 3-1=0.048, LL DEFL. < L/360
 MINIMUM GRADE OF LUMBER: TOP CHORD: 2x4 No. 2ND 19 SP, BOT CHORD: 2x4 No. 3 19 SP, WEBS: 2x4 No. 3 19 SP
 STR. INC.: LUMB = 1.33 PLATE = 1.33
 NO. OF MEMBERS = 1

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT, BLDG. CAT. 1, EXP. CAT. C, 10(5-5) PSF DL, 0.50 HI FROM OCEANLINE (ASCE7-93).
 REFLECTION (IN.) LL = 0.01, D.L. = 0.01, T.L. = 0.02
 PLATES ARE WINTER MCD-249, 200 MANUFACTURED FROM ASTM A 446 G80 A GALVANIZED STEEL (EXCEPT AS SHOWN)
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/MSD DESIGN SPECS, USC 94-1030, ANSI/TPI95
 THIS DESIGN IS FOR TRUSS FABRICATION ONLY, FOR PERMANENT AND TEMPORARY BRACING (WHICH IS ALWAYS REQUIRED) CONSULT BLDG ARCHITECT OR ENGINEER.

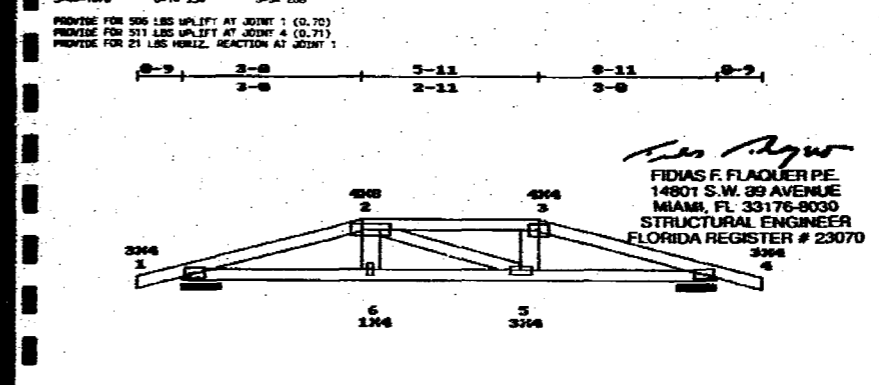
ACES-32 Ver. 1.1 [009430] ROYAL-TRUSS
 Customer: SOUTH-FLORIDA-RESTORATION
 Project #: 1112 Truss ID: T3 Family #: 101
 Span: 8-11 Quantity: 1 Top Pitch: 5/12



L. HL TO PK: 4-9-15
 LEFT HEIGHT: 0-3 SPAN: 8-11 RISE: 2-3-5 R. HL TO PK: 4-9-15
 RIGHT HEIGHT: 0-3
 MAX STRESSES: TOP 2-3=0.421, BOT 3-4=0.168, LL DEFL. 84=0.01 < L/360
 MINIMUM GRADE OF LUMBER: TOP CHORD: 2x4 No. 2ND 19 SP, BOT CHORD: 2x4 No. 2ND 19 SP, WEBS: 2x4 No. 3 19 SP
 STR. INC.: LUMB = 1.33 PLATE = 1.33
 NO. OF MEMBERS = 1

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT, BLDG. CAT. 1, EXP. CAT. C, 10(5-5) PSF DL, 0.50 HI FROM OCEANLINE (ASCE7-93).
 REFLECTION (IN.) LL = 0.01, D.L. = 0.01, T.L. = 0.02
 PLATES ARE WINTER MCD-249, 200 MANUFACTURED FROM ASTM A 446 G80 A GALVANIZED STEEL (EXCEPT AS SHOWN)
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/MSD DESIGN SPECS, USC 94-1030, ANSI/TPI95
 THIS DESIGN IS FOR TRUSS FABRICATION ONLY, FOR PERMANENT AND TEMPORARY BRACING (WHICH IS ALWAYS REQUIRED) CONSULT BLDG ARCHITECT OR ENGINEER.

ACES-32 Ver. 1.1 [009431] ROYAL-TRUSS
 Customer: SOUTH-FLORIDA-RESTORATION
 Project #: 1112 Truss ID: HG3 Family #: 3/12
 Span: 8-11 Quantity: 1 Top Pitch: 5/12

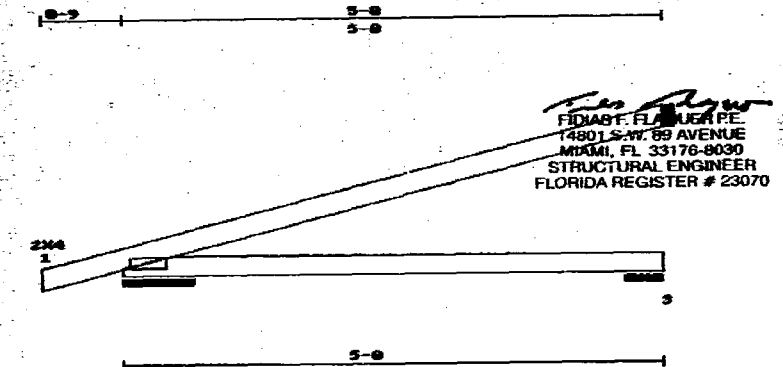


L. HL TO PK: 3-3
 LEFT HEIGHT: 0-5 SPAN: 8-11 RISE: 1-8 R. HL TO PK: 3-3
 RIGHT HEIGHT: 0-5
 MAX STRESSES: TOP 2-3=0.299, BOT 2-6=0.299, LL DEFL. 86=0.02 < L/360
 MINIMUM GRADE OF LUMBER: TOP CHORD: 2x4 No. 2ND 19 SP, BOT CHORD: 2x4 No. 2ND 19 SP, WEBS: 2x4 No. 3 19 SP
 STR. INC.: LUMB = 1.33 PLATE = 1.33
 NO. OF MEMBERS = 1

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT, BLDG. CAT. 1, EXP. CAT. C, 10(5-5) PSF DL, 0.50 HI FROM OCEANLINE (ASCE7-93).
 REFLECTION (IN.) LL = 0.01, D.L. = 0.01, T.L. = 0.02
 PLATES ARE WINTER MCD-249, 200 MANUFACTURED FROM ASTM A 446 G80 A GALVANIZED STEEL (EXCEPT AS SHOWN)
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/MSD DESIGN SPECS, USC 94-1030, ANSI/TPI95
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<<<<ACES-32 Ver. 1.1>>>> [009432] <<<<ROYAL-TRUSS>>>>
 Customer: SOUTH-FLORIDA-RESTORATION Fri Feb 15 11:33:37 2002
 Project #: 1112 Truss ID : J5 Family #: 207
 Span: 3-0 Quantity : 14 Top Pitch : 5/12
 Date: 7/22/1998
 FORCES - GRAVITY LOADS REACTIONS - SIZE
 1-2-0 3-1-0 1-271 8.00
 2-3-0 3-25 4.00
 2-203 1.90

FOR 230 LBS UPLIFT AT JOINT 1 (0.69)
 FOR 228 LBS UPLIFT AT JOINT 2 (1.12)
 FOR 193 LBS HORIZ. REACTION AT JOINT 1



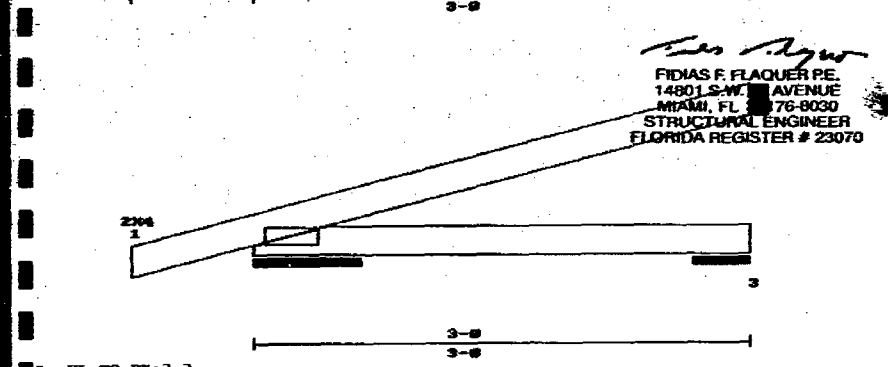
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 STRUCTURAL ENGINEER
 FLORIDA REGISTER # 23070

TO PK:5-5 SPAN:5-0 RISE:2-6 RIGHT HEIGHT:2-6
 LEFT HEIGHT:0-5
 LOADING (PSF) MAX STRESSES MINIMUM GRADE OF LUMBER
 TOP 30 15 TOP 3-1=0.505 TOP CHORD:2x4 NO.2ND 19 SP
 BOT 0 10 BOT 3-1=0.193 BOT CHORD:2x4 NO.2ND 19 SP
 LL.DEFL. < L/360 WEBS :2x4 NO.3 19 SP
 SYR. INC - LUMBS = 1.33 PLATE = 1.33 SPACING : 24.0 in. o. c.
 NO. OF MEMBERS : 1
 REPEITIVE STRESSES USED

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT, BLDG. CAT. 1, EXP. CAT. C, 10(5-5) PSF D.L. 0.50 HT FROM OCEANLINE (ASCE7-93).
 DEFLECTION (IN.) L.L. 0.00, D.L. 0.00, T.L. 0.00
 PLATES ARE W/EN 700-240,200 MANUFACTURED FROM ASTM A 446 GRD A GALVANIZED STEEL (EXCEPT AS SHOWN)
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/ANSI DESIGN SPECS, USC 94-100, ANSI/T199
 THIS DESIGN IS FOR TRUSS FABRICATION ONLY, FOR PERMANENT AND TEMPORARY BRACING (WHICH IS ALWAYS REQUIRED) CONSULT BLDG ARCHITECT OR ENGINEER.

<<<<ACES-32 Ver. 1.1>>>> [009433] <<<<ROYAL-TRUSS>>>>
 Customer: SOUTH-FLORIDA-RESTORATION Fri Feb 15 11:33:42 2002
 Project #: 1112 Truss ID : J3 Truss ID : J3 Family #: 207
 Span: 3-0 Quantity : 14 Top Pitch : 5/12
 Date: 7/22/1998
 FORCES - GRAVITY LOADS REACTIONS - SIZE
 1-2-0 3-1-0 1-271 8.00
 2-3-0 3-25 4.00
 2-113 1.90

PROVIDE FOR 175 LBS UPLIFT AT JOINT 1 (0.79)
 PROVIDE FOR 133 LBS UPLIFT AT JOINT 2 (1.17)
 PROVIDE FOR 170 LBS HORIZ. REACTION AT JOINT 1



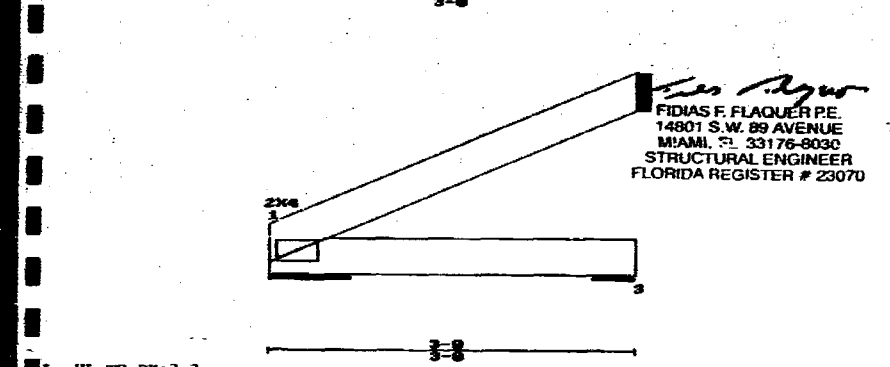
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 14801 S.W. 89 AVENUE
 MIAMI, FL 33176-8030
 STRUCTURAL ENGINEER
 FLORIDA REGISTER # 23070

TO PK:3-3 SPAN:3-0 RISE:1-8 RIGHT HEIGHT:1-8
 LEFT HEIGHT:0-5
 LOADING (PSF) MAX STRESSES MINIMUM GRADE OF LUMBER
 TOP 30 15 TOP 3-1=0.164 TOP CHORD:2x4 NO.2ND 19 SP
 BOT 0 10 BOT 3-1=0.034 BOT CHORD:2x4 NO.2ND 19 SP
 LL.DEFL. < L/360 WEBS :2x4 NO.3 19 SP
 SYR. INC - LUMBS = 1.33 PLATE = 1.33 SPACING : 24.0 in. o. c.
 NO. OF MEMBERS : 1
 REPEITIVE STRESSES USED

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT, BLDG. CAT. 1, EXP. CAT. C, 10(5-5) PSF D.L. 0.50 HT FROM OCEANLINE (ASCE7-93).
 DEFLECTION (IN.) L.L. 0.00, D.L. 0.00, T.L. 0.00
 PLATES ARE W/EN 700-240,200 MANUFACTURED FROM ASTM A 446 GRD A GALVANIZED STEEL (EXCEPT AS SHOWN)
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/ANSI DESIGN SPECS, USC 94-100, ANSI/T199
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<<<<ACES-32 Ver. 1.1>>>> [009434] <<<<ROYAL-TRUSS>>>>
 Customer: SOUTH-FLORIDA-RESTORATION Fri Feb 15 11:33:47 2002
 Project #: 1112 Truss ID : J3A Family #: 207
 Span: 3-0 Quantity : 1 Top Pitch : 5/12
 Date: 7/22/1998
 FORCES - GRAVITY LOADS REACTIONS - SIZE
 1-2-0 3-1-0 1-139 8.00
 2-3-0 3-25 4.00
 2-113 1.90

PROVIDE FOR 50 LBS UPLIFT AT JOINT 1 (0.42)
 PROVIDE FOR 132 LBS UPLIFT AT JOINT 2 (1.17)
 PROVIDE FOR 170 LBS HORIZ. REACTION AT JOINT 1



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 FLORIDA REGISTER # 23070

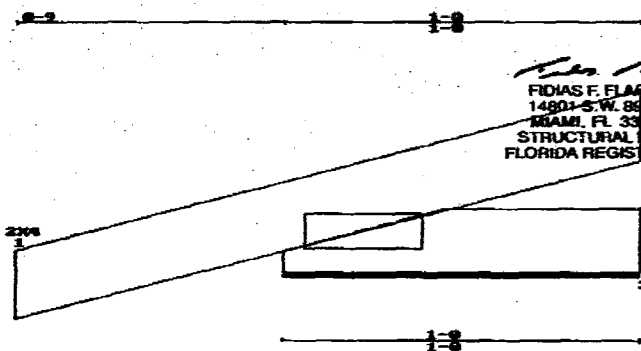
TO PK:3-3 SPAN:3-0 RISE:1-8 RIGHT HEIGHT:1-8
 LEFT HEIGHT:0-5
 LOADING (PSF) MAX STRESSES MINIMUM GRADE OF LUMBER
 TOP 30 15 TOP 3-1=0.163 TOP CHORD:2x4 NO.2ND 19 SP
 BOT 0 10 BOT 3-1=0.034 BOT CHORD:2x4 NO.2ND 19 SP
 LL.DEFL. < L/360 WEBS :2x4 NO.3 19 SP
 SYR. INC - LUMBS = 1.33 PLATE = 1.33 SPACING : 24.0 in. o. c.
 NO. OF MEMBERS : 1
 REPEITIVE STRESSES USED

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT, BLDG. CAT. 1, EXP. CAT. C, 10(5-5) PSF D.L. 0.50 HT FROM OCEANLINE (ASCE7-93).
 DEFLECTION (IN.) L.L. 0.00, D.L. 0.00, T.L. 0.00
 PLATES ARE W/EN 700-240,200 MANUFACTURED FROM ASTM A 446 GRD A GALVANIZED STEEL (EXCEPT AS SHOWN)
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/ANSI DESIGN SPECS, USC 94-100, ANSI/T199
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<<<<ACES-32 Ver. 1.1>>>> [009435] <<<<ROYAL-TRUSS>>>>
 Customer : SOUTH-FLORIDA-RESTORATION
 Project # : 1112 Truss ID : J1
 Span : 1-0 Quantity : 15 Top Pitch : 5/12
 Family # : 205

FORCES - QUANTITY LOADS	REACTIONS - SIZE
1-1-0	1-111 8.00
2-1-0	2-6 4.00
	2-23 1.50

PROVIDE FOR 115 LBS UPLIFT AT JOINT 1 (1.03)
 PROVIDE FOR 40 LBS UPLIFT AT JOINT 2 (1.71)
 PROVIDE FOR 42 LBS HORIZ. REACTION AT JOINT 1



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 STRUCTURAL ENGINEER
 FLORIDA REGISTER # 23070

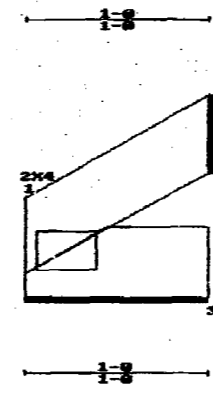
TO PK:1-1	SPAN:1-0	RISE:0-10	RIGHT HEIGHT:0-10
HEIGHT:0-5			
LOADING (PSF)			
TOP 0			
BOTT 30			
LL.DEFL. < L/360			
STR. INC. = 1.33			
PLATE = 1.33			
NO. OF MEMBERS = 1			

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT. BLDG. CAT. 1, EXP. CAT. C, 10(5-5) PSF D.L.O. 50 MI FROM OCEANLINE (ASCE7-93).
 DEFLECTION (IN.) L.L. 0.00, D.L. 0.00, T.L. 0.00
 PLATES ARE W/TEK M20-249, 200 MANUFACTURED FROM ASTM A 446 GRD A GALVANIZED STEEL (EXCEPT AS SHOWN)
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/MSD DESIGN SPEC. USC 94-1080, MSJ/TP195
 THIS DESIGN IS FOR TRUSS FABRICATION ONLY, FOR PERMANENT AND TEMPORARY BRACING (WHICH IS ALWAYS REQUIRED) CONSULT BLDG ARCHITECT OR ENGINEER.

<<<<ACES-32 Ver. 1.1>>>> [009436] <<<<ROYAL-TRUSS>>>>
 Customer : SOUTH-FLORIDA-RESTORATION
 Project # : 1112 Truss ID : J1A
 Span : 1-0 Quantity : 1
 Family # : 205
 Top Pitch : 5/12

FORCES - QUANTITY LOADS	REACTIONS - SIZE
1-2-0	1-29 8.00
2-3-0	2-5 4.00
	2-23 1.50

PROVIDE FOR 40 LBS UPLIFT AT JOINT 2 (1.71)
 PROVIDE FOR 42 LBS HORIZ. REACTION AT JOINT 1



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 STRUCTURAL ENGINEER
 FLORIDA REGISTER # 23070

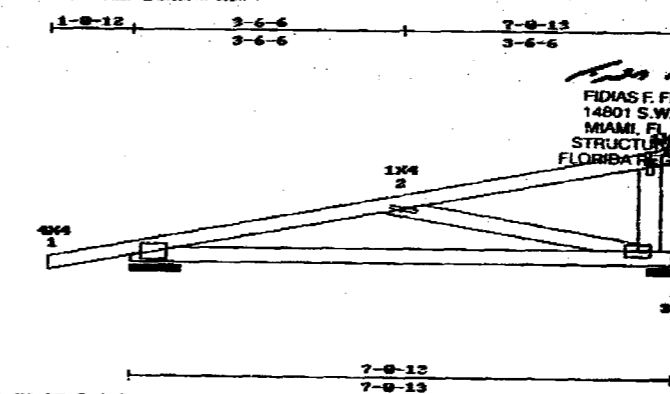
L. HL TO PK:1-1	SPAN:1-0	RISE:0-10	RIGHT HEIGHT:0-10
LEFT HEIGHT:0-5			
LOADING (PSF)			
TOP 30			
BOTT 0			
LL.DEFL. < L/360			
STR. INC. = 1.33			
PLATE = 1.33			
NO. OF MEMBERS = 1			

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT. BLDG. CAT. 1, EXP. CAT. C, 10(5-5) PSF D.L.O. 50 MI FROM OCEANLINE (ASCE7-93).
 DEFLECTION (IN.) L.L. 0.00, D.L. 0.00, T.L. 0.00
 PLATES ARE W/TEK M20-249, 200 MANUFACTURED FROM ASTM A 446 GRD A GALVANIZED STEEL (EXCEPT AS SHOWN)
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/MSD DESIGN SPEC. USC 94-1080, MSJ/TP195
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<<<<ACES-32 Ver. 1.1>>>> [009437] <<<<ROYAL-TRUSS>>>>
 Customer : SOUTH-FLORIDA-RESTORATION
 Project # : 1112 Truss ID : CJ5
 Span : 7-0-13 Quantity : 3
 Family # : 301
 Top Pitch : 3.535/12

FORCES - LOAD CASE #1	REACTIONS - SIZE
1-2-405	1-386 8.00
2-3-0	2-390 4.00
3-4-199	

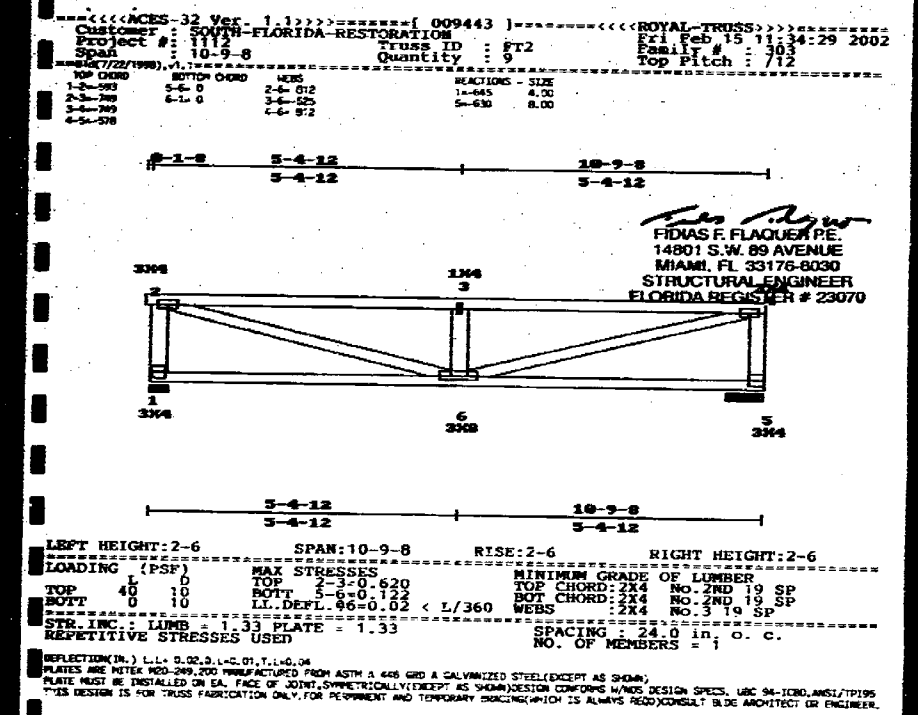
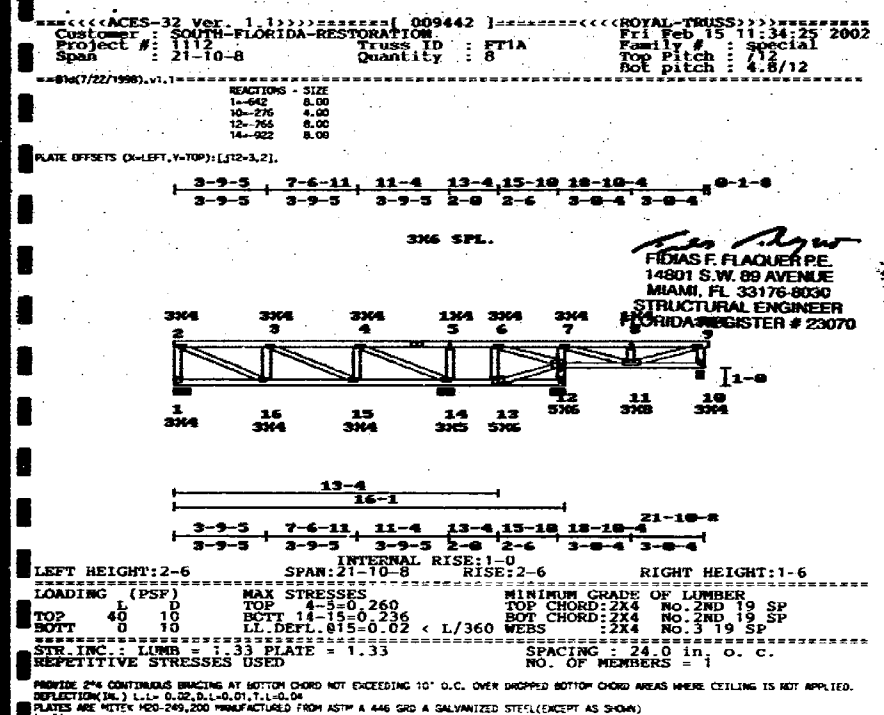
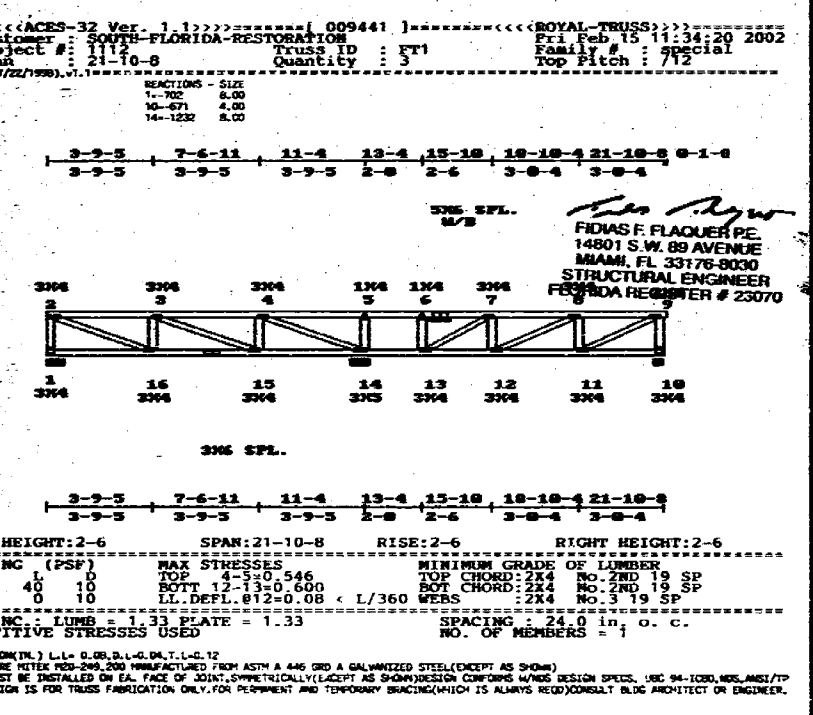
PROVIDE FOR 504 LBS UPLIFT AT JOINT 1 (1.31)
 PROVIDE FOR 501 LBS UPLIFT AT JOINT A (1.29)
 PROVIDE FOR 196 LBS HORIZ. REACTION AT JOINT 1



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L. HL TO PK:7-4-7	SPAN:7-0-13	RISE:2-6	RIGHT HEIGHT:2-6
LEFT HEIGHT:0-5			
LOADING (PSF)			
TOP 0			
BOTT 30			
LL.DEFL. 80=0.00 < L/360			
STR. INC. = 1.33			
PLATE = 1.33			
NO. OF MEMBERS = 1			

TRUSS CHECKED FOR 110 MPH WIND, ENCL. BLDG. WALL HGT. 22 FT. BLDG. CAT. 1, EXP. CAT. C, 10(5-5) PSF D.L.O. 50 MI FROM OCEANLINE (ASCE7-93).
 DEFLECTION (IN.) L.L. 0.00, D.L. 0.00, T.L. 0.00
 PLATES ARE W/TEK M20-249, 200 MANUFACTURED FROM ASTM A 446 GRD A GALVANIZED STEEL (EXCEPT AS SHOWN)
 PLATE MUST BE INSTALLED ON EA. FACE OF JOINT, SYMMETRICALLY (EXCEPT AS SHOWN) DESIGN CONFORMS W/MSD DESIGN SPEC. USC 94-1080, MSJ/TP195
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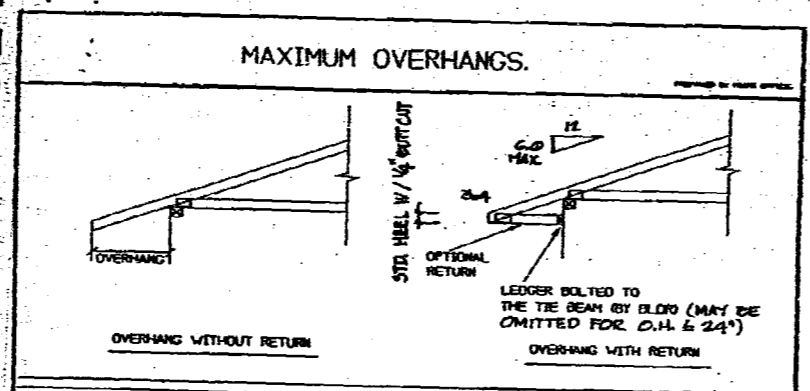
<<<ACSS-32 Ver. 1.1>>> [009444] <<<ROYAL TRUSS>>>
 PROJECT: SOUTH-FLORIDA-RESTORATION
 Project # : 1112 Truss ID : FT3 Family # : 303
 Date: 11/22/1998 Date: 11/22/1998 Date: 11/22/1998
 Span : 12-5 Quantity : 2 Top Pitch : 7/12

MEMBER	SIZE	REACTIONS - SIZE
1-6	2-6-1063	1-7-3 4.00
2-6	2-6-1063	1-7-3 4.00
3-6	2-6-1063	1-7-3 4.00

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 STRUCTURAL ENGINEER
 FLORIDA REGISTER # 23070

MEMBER	SIZE	REACTIONS - SIZE
1-6	2-6-1063	1-7-3 4.00
2-6	2-6-1063	1-7-3 4.00
3-6	2-6-1063	1-7-3 4.00

HEIGHT: 2-6 SPAN: 12-5 RISE: 2-6 RIGHT HEIGHT: 2-6
 MAX STRESSES: TOP 2-3-0-890, BOT 6-1-0-184, LL DEFL. @ 6-0.04 x L/360
 MINIMUM GRADE OF LUMBER: TOP CHORD: 2x4 NO. 2ND 19 SP, BOT CHORD: 2x4 NO. 3 19 SP, WEBS: 2x4 NO. 3 19 SP
 LUMBER: 1.33 PLATE: 1.33 SPACING: 24.0 in. o.c. NO. OF MEMBERS: 7



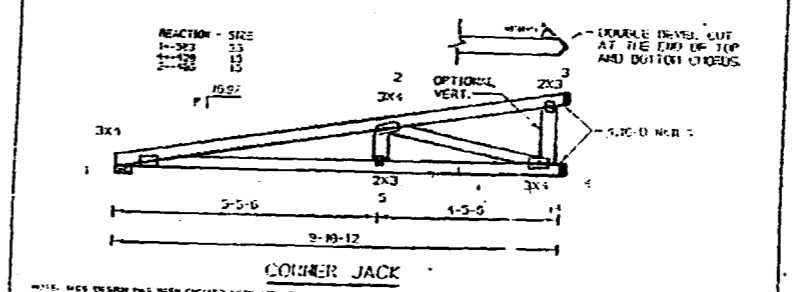
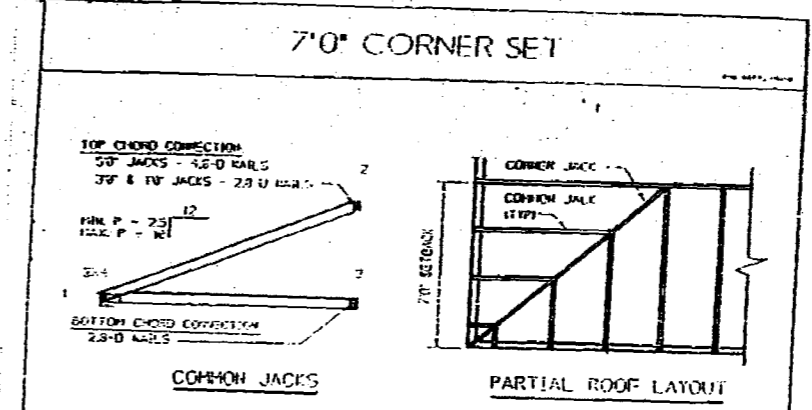
GRADE OF LUMBER	30 PSF SOFFIT		2 PSF SOFFIT	
	2x4	2x6	2x4	2x6
No. 2ND 19 SP	2-9-3	3-10-11	2-8-3	4-2-9
No. 2 19 SP	2-9-15	4-8-11	2-10-0	4-4-11
No. 2D 19 SP	3-0-2	4-4-7	3-0-0	4-8-12
No. 1ND 19 SP	3-0-2	4-5-6	3-0-0	4-8-11
No. 1 19 SP	3-1-11	4-7-15	3-0-0	4-9-13
No. 1D 19 SP	3-3-0	4-9-10	3-1-8	4-10-15
NOSS 19 SP	3-2-4	5-0-0	3-0-0	4-9-13
SS 19 SP	3-3-0	5-1-5	3-1-8	4-10-15
DSS 19 SP	3-3-8	5-2-6	3-2-15	4-11-15

(ASCE-7/99) 110 MPH WIND @ 15' CAT C, 7 PSF TOP CHORD DEAD L, 35% DRIFT (TOP CHORD)

MINIMUM GRADE OF LUMBER	REF. 11/840
T.C.	2x4 No. 2ND 19 SP
B.C.	2x4 No. 2ND 19 SP
Web	2x4 No. 3 19 SP

DRAWN BY: JAI
 CHECKED BY: JAI
 REP. STRESS: YES

APR 26 1998
 REV. 4/20/98 JAI (FOR SPEC)
 REV. 10/23/98 JAI (ASCE 7/99, 112/99)

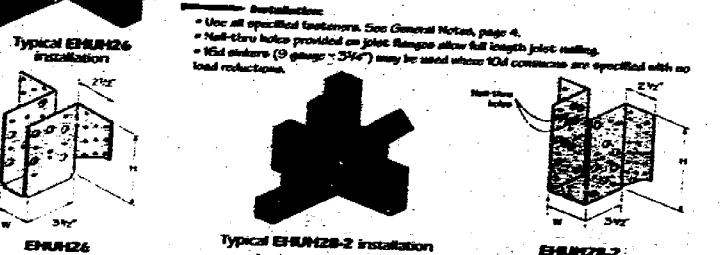


MINIMUM GRADE OF LUMBER	REF. 11/840
T.C.	2x4 No. 2 19 SP
B.C.	2x4 No. 2 19 SP
Web	2x4 No. 3 19 SP

DRAWN BY: JAI
 CHECKED BY: JAI
 REP. STRESS: YES

APR 26 1998
 REV. 4/20/98 JAI (FOR SPEC)
 REV. 10/23/98 JAI (ASCE 7/99, 112/99)

Heavy-Duty Face Mount Truss Hangers - EHM26 & EHM26-2 series
 The EHM26 & EHM26-2 hangers are designed for medium to heavy concentrated load conditions. Available in 2x, double 2x and 4x lumber or truss sizes.

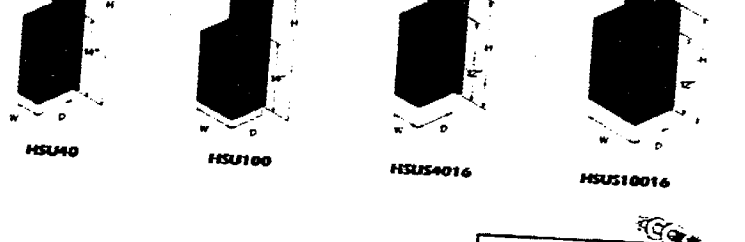
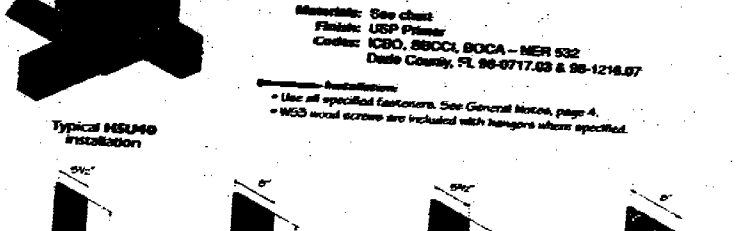


See ANSI/TPI section for truss chord applications: pages 42-44

2x4 Truss Size	USP Stock No.	Ref. No.	Depth	W	H	Material		Allowable Loads (lbs)	
						Steel	Wood	Wind	Dead
2x4	EHM26	14	3-1/2	3-1/2	3-1/2	100	100	100	100
	EHM26-2	14	3-1/2	3-1/2	3-1/2	100	100	100	100
2x6	EHM26	14	3-1/2	3-1/2	3-1/2	100	100	100	100
	EHM26-2	14	3-1/2	3-1/2	3-1/2	100	100	100	100
2x8	EHM26	14	3-1/2	3-1/2	3-1/2	100	100	100	100
	EHM26-2	14	3-1/2	3-1/2	3-1/2	100	100	100	100
2x10	EHM26	14	3-1/2	3-1/2	3-1/2	100	100	100	100
	EHM26-2	14	3-1/2	3-1/2	3-1/2	100	100	100	100
2x12	EHM26	14	3-1/2	3-1/2	3-1/2	100	100	100	100
	EHM26-2	14	3-1/2	3-1/2	3-1/2	100	100	100	100
4x4	EHM26	14	3-1/2	3-1/2	3-1/2	100	100	100	100
	EHM26-2	14	3-1/2	3-1/2	3-1/2	100	100	100	100
4x6	EHM26	14	3-1/2	3-1/2	3-1/2	100	100	100	100
	EHM26-2	14	3-1/2	3-1/2	3-1/2	100	100	100	100
4x8	EHM26	14	3-1/2	3-1/2	3-1/2	100	100	100	100
	EHM26-2	14	3-1/2	3-1/2	3-1/2	100	100	100	100

1) USP hangers have been tested to 200% of rated load for steel and 100% for wood. For further details, see the product literature.
 2) Allowable loads are based on a 10' span and 10' height for steel and 10' height for wood.
 3) 2x4, 2x6, 2x8, 2x10, 2x12, and 4x4 are based on 10' height for steel and 10' height for wood.
 4) 4x6 and 4x8 are based on 10' height for steel and 10' height for wood.

High Upright Glider Truss Hangers - HSLU & HSLU series
 The HSLU and HSLU series glider-to-glider hangers feature high with capacities along with high gravity load ratings. The HSLU utilizes bolting through the vertical member of the supported truss, which spreads the load more effectively throughout the multiple truss members. The HSLU is a low profile hanger, which utilizes USP's WSS Wood Screw (shown on page 8).



USP Stock No.	Ref. No.	Depth	W	H	Material		Allowable Loads (lbs)	
					Steel	Wood	Wind	Dead
HSLU40	14	3-1/2	3-1/2	3-1/2	100	100	100	100
HSLU100	14	3-1/2	3-1/2	3-1/2	100	100	100	100
HSLU4016	14	3-1/2	3-1/2	3-1/2	100	100	100	100
HSLU10016	14	3-1/2	3-1/2	3-1/2	100	100	100	100

1) USP hangers have been tested to 200% of rated load for steel and 100% for wood. For further details, see the product literature.
 2) Allowable loads are based on a 10' span and 10' height for steel and 10' height for wood.
 3) 2x4, 2x6, 2x8, 2x10, 2x12, and 4x4 are based on 10' height for steel and 10' height for wood.
 4) 4x6 and 4x8 are based on 10' height for steel and 10' height for wood.

HIB-91 Summary Sheet
 COMMENTARY and RECOMMENDATIONS for HANDLING, INSTALLING & BRACING METAL PLATE CONNECTED WOOD TRUSSES

TRUSS PLATE INSTITUTE
 343 D'Onofrio Dr., Suite 200
 Madison, Wisconsin 53719
 (608) 833-9950

CAUTION: A CAUTION identifies a condition or practice which, if not followed, could result in personal injury or damage to structures.

DANGER: A DANGER designates a condition where failure to follow instructions or heed warnings will result in serious personal injury or death or damage to structures.

WARNING: A WARNING designates a condition where failure to follow instructions could result in severe personal injury or damage to structures.

CAUTION: Trusses should not be unloaded on rough terrain or uneven surfaces which could cause damage to the truss.

CAUTION: Trusses stored horizontally should be supported on blocking to prevent excessive lateral bending and lessen moisture gain.

CAUTION: Trusses stored vertically should be braced to prevent toppling or tipping.

WARNING: Do not break banding until installation begins or lift banded trusses by the bands.

DANGER: Do not store bundles upright unless properly braced.

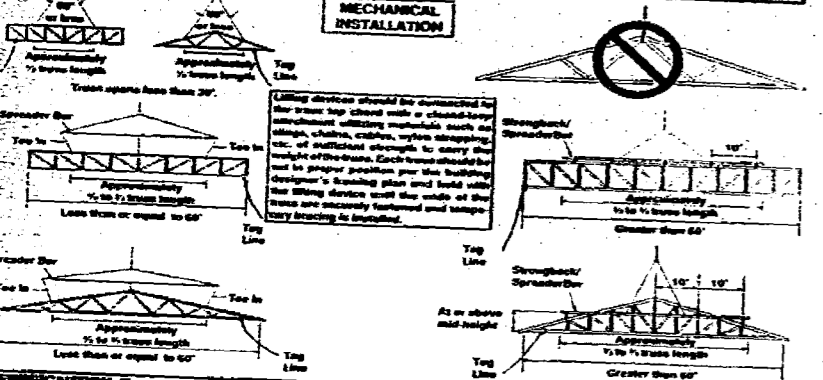
WARNING: Do not use damaged trusses.

DANGER: Working on trusses which are lying flat is extremely dangerous and should be strictly prohibited.

Frame 1

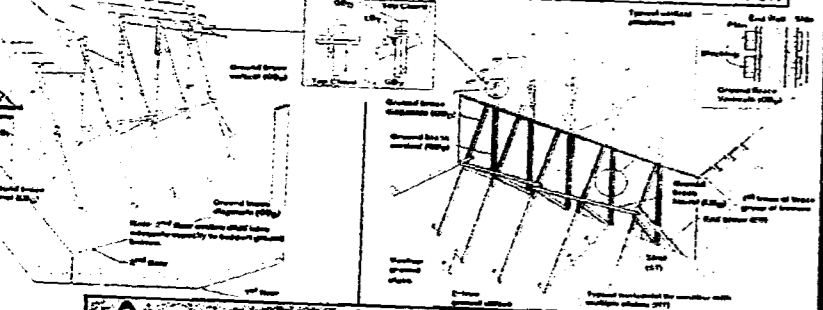
WARNING: Do not attach cables, chains, or hooks to the web members.

WARNING: Do not tie single trusses with spans greater than 30' by the peak.



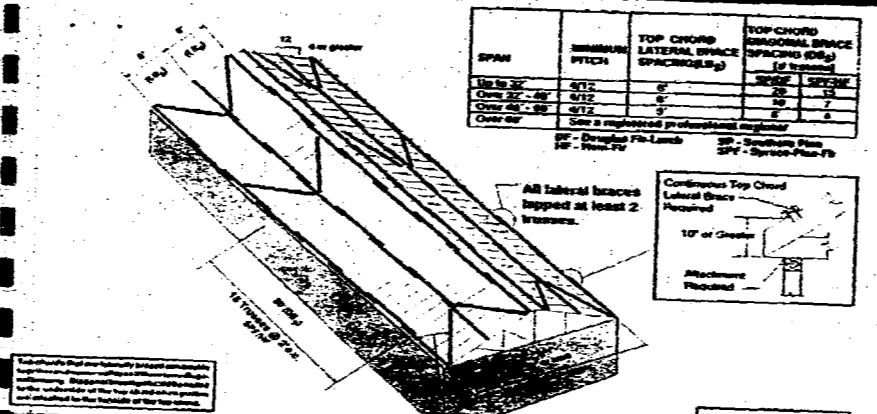
CAUTION: Temporary bracing shown in this document is adequate for the installation of the truss system. It is not intended to be a permanent structural member. If a different bracing system is desired, the engineer's design bracing in accordance with TPT's Design Specifications for Temporary Bracing of Steel Plate Connected Wood Trusses (DSS-20), and in some cases determine that a wider spacing is possible.

GROUND BRACING: BUILDING INTERIOR **GROUND BRACING: BUILDING EXTERIOR**



CAUTION: Ground bracing required for all installations.

Frame 2



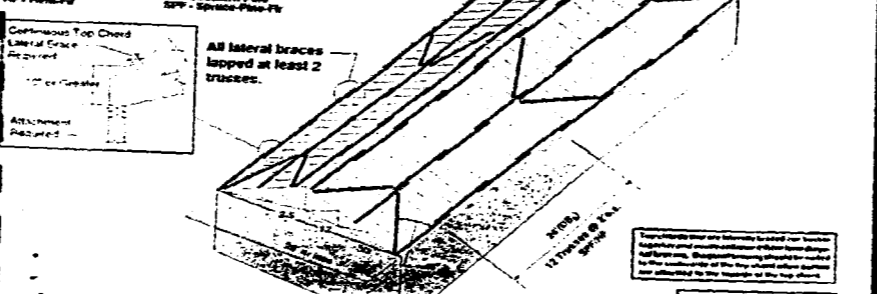
SPAN	MINIMUM PITCH	TOP CHORD LATERAL BRACE SPACING (L.S.)	TOP CHORD DIAGONAL BRACE SPACING (D.B.) (if trusses)
Up to 30'	4/12	6'	20' - 12'
Over 30' - 45'	4/12	6'	20' - 7'
Over 45' - 60'	4/12	6'	6' - 3'
Over 60'	See a registered professional engineer		

DF - Douglas Fir-Larch SP - Spruce-Pine-Fir
 HF - Hem-Fir SFF - Spruce-Fir-Fir

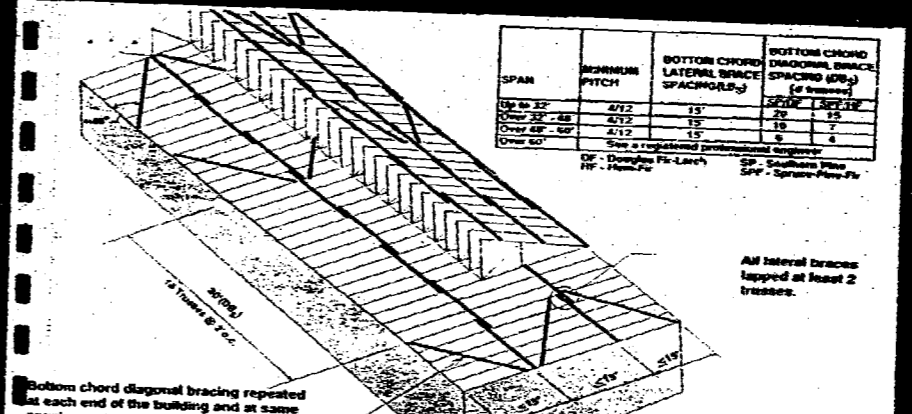
WARNING: Failure to follow these recommendations could result in severe personal injury or damage to trusses or buildings.

SPAN	MINIMUM PITCH DIFFERENCE	TOP CHORD LATERAL BRACE SPACING (L.S.)	TOP CHORD DIAGONAL BRACE SPACING (D.B.) (if trusses)
Up to 20'	2.5	7'	11' - 5.2'
Over 20' - 42'	3.0	6'	9' - 8'
Over 42' - 60'	3.0	6'	9' - 3'
Over 60'	See a registered professional engineer		

DF - Douglas Fir-Larch SP - Spruce-Pine-Fir
 HF - Hem-Fir SFF - Spruce-Fir-Fir



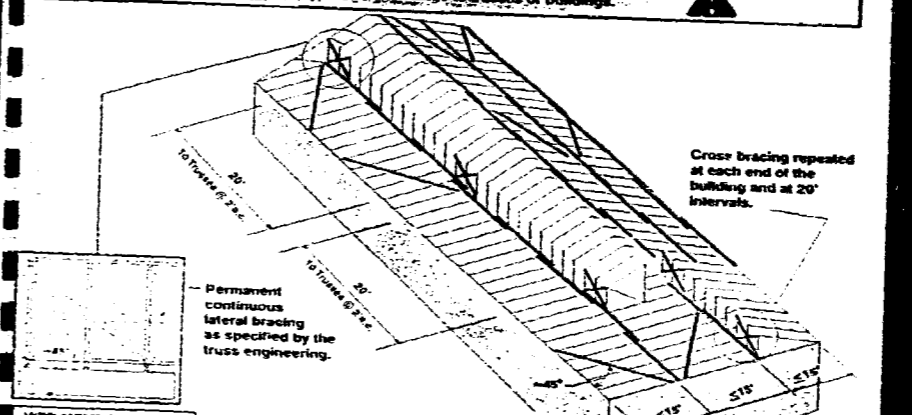
Frame 3



SPAN	MINIMUM PITCH	BOTTOM CHORD LATERAL BRACE SPACING (L.S.)	BOTTOM CHORD DIAGONAL BRACE SPACING (D.B.) (if trusses)
Up to 30'	4/12	15'	20' - 12'
Over 30' - 45'	4/12	15'	20' - 7'
Over 45' - 60'	4/12	15'	6' - 4'
Over 60'	See a registered professional engineer		

DF - Douglas Fir-Larch SP - Spruce-Pine-Fir
 HF - Hem-Fir SFF - Spruce-Fir-Fir

WARNING: Failure to follow these recommendations could result in severe personal injury or damage to trusses or buildings.



Frame 4

2x6 PARALLEL CHORD TRUSS

SPAN	MEMBER DEPTH	TOP CHORD LATERAL BRACE SPACING (L ₁)	TOP CHORD DIAGONAL BRACE SPACING (D ₁)
12'	16"	2'	12'
14'	16"	2'	12'
16'	16"	2'	12'
18'	16"	2'	12'
20'	16"	2'	12'
22'	16"	2'	12'
24'	16"	2'	12'
26'	16"	2'	12'
28'	16"	2'	12'
30'	16"	2'	12'

2x6 PARALLEL CHORD TRUSS: TOP CHORD

WARNING: Failure to follow these recommendations could result in severe personal injury or damage to trusses or buildings.

Frame 5

2x6 PARALLEL CHORD TRUSS

SPAN	MEMBER DEPTH	TOP CHORD LATERAL BRACE SPACING (L ₁)	TOP CHORD DIAGONAL BRACE SPACING (D ₁)
12'	16"	2'	12'
14'	16"	2'	12'
16'	16"	2'	12'
18'	16"	2'	12'
20'	16"	2'	12'
22'	16"	2'	12'
24'	16"	2'	12'
26'	16"	2'	12'
28'	16"	2'	12'
30'	16"	2'	12'

2x6 PARALLEL CHORD TRUSS: TOP CHORD

WARNING: Failure to follow these recommendations could result in severe personal injury or damage to trusses or buildings.

INSTALLATION TOLERANCES

Span	L ₁	D ₁	L ₂	L ₃
12'	1/8"	1/8"	1/8"	1/8"
14'	1/8"	1/8"	1/8"	1/8"
16'	1/8"	1/8"	1/8"	1/8"
18'	1/8"	1/8"	1/8"	1/8"
20'	1/8"	1/8"	1/8"	1/8"
22'	1/8"	1/8"	1/8"	1/8"
24'	1/8"	1/8"	1/8"	1/8"
26'	1/8"	1/8"	1/8"	1/8"
28'	1/8"	1/8"	1/8"	1/8"
30'	1/8"	1/8"	1/8"	1/8"

OUT-OF-PLANE INSTALLATION TOLERANCES

Span	L ₁	L ₂	L ₃
12'	1/8"	1/8"	1/8"
14'	1/8"	1/8"	1/8"
16'	1/8"	1/8"	1/8"
18'	1/8"	1/8"	1/8"
20'	1/8"	1/8"	1/8"
22'	1/8"	1/8"	1/8"
24'	1/8"	1/8"	1/8"
26'	1/8"	1/8"	1/8"
28'	1/8"	1/8"	1/8"
30'	1/8"	1/8"	1/8"

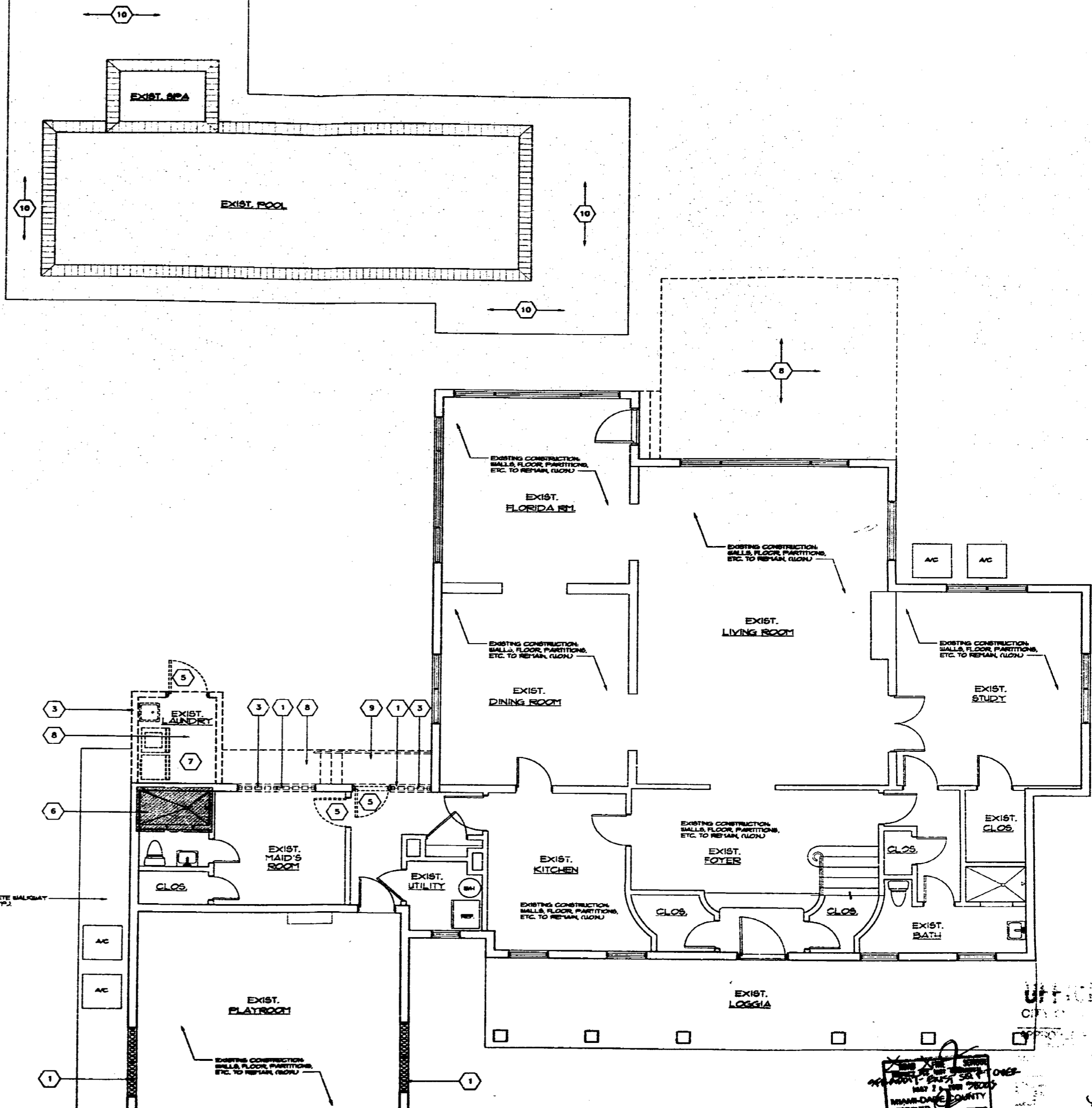
OUT-OF-PLANE INSTALLATION TOLERANCES

Span	L ₁	L ₂	L ₃
12'	1/8"	1/8"	1/8"
14'	1/8"	1/8"	1/8"
16'	1/8"	1/8"	1/8"
18'	1/8"	1/8"	1/8"
20'	1/8"	1/8"	1/8"
22'	1/8"	1/8"	1/8"
24'	1/8"	1/8"	1/8"
26'	1/8"	1/8"	1/8"
28'	1/8"	1/8"	1/8"
30'	1/8"	1/8"	1/8"

WARNING: Do not cut trusses.

DANGER: Under no circumstances should construction loads of any description be placed on unbraced trusses.

Frame 6



DEMOLITION LEGEND:

1. EXISTING ALUMINUM FRAMED WINDOWS TO BE REMOVED AND DISCARDED.
2. EXISTING CONCRETE BLOCK WALL, INTERIOR FINISHES, EXTERIOR FINISH, AND ELECTRICAL DEVICES TO BE REMOVED AND DISCARDED AS REQUIRED FOR NEW DOOR / WINDOW ROUGH OPENING.
3. EXISTING CONCRETE BLOCK WALL, INTERIOR FINISHES, EXTERIOR FINISH, AND ELECTRICAL DEVICES TO BE COMPLETELY REMOVED AND DISCARDED. (TYP.) CONTRACTOR SHALL PROPERLY SHORE ADJACENT AREA AS REQUIRED. SEE STRUCTURAL DESIG.
4. EXISTING INTERIOR PARTITION AND ELECTRICAL DEVICES TO BE COMPLETELY REMOVED AND DISCARDED (TYP.)
5. EXISTING WOOD DOORS, FRAME, CASING, AND HARDWARE TO BE REMOVED AND DISCARDED.
6. EXISTING BATH & FLOOR CERAMIC TILE FINISH, BACKER-BEARD, AND SHOWER PAN TO BE COMPLETELY REMOVED AND DISCARDED.
7. EXIST. WASHER, DRYER AND BASIN TO BE REMOVED & STORED FOR RELOCATION. CONTRACTOR SHALL REMOVE THE EXIST. WASTE AND SUPPLY LINES. SEE PLUMBING DESIG. INFORMATION.
8. EXISTING REINF. CONCRETE SLAB AND FOUNDATION TO BE COMPLETELY REMOVED AND DISCARDED (TYP.). SEE STRUCTURAL DESIG.
9. EXISTING CONCRETE LANDING, STAIRS, AND METAL PIPE RAILING TO BE COMPLETELY REMOVED AND DISCARDED.
10. EXISTING INTERLOCKING PAVERS & LEVELING SAND BASE TO BE REMOVED AND DISCARDED. IN PREPARATION OF NEW CONC. STRUCT. SLAB AND DECK PAVES SYSTEM (TYP.).
11. EXISTING DRYBELL CEILING, INSULATION, ELECTRICAL, DUCTWORK, ROOFING, AND WOOD TRUSSES TO BE COMPLETELY REMOVED AND DISCARDED (TYP.). CONTRACTOR SHALL PROPERLY SHORE ADJACENT STRUCTURE FOR SAFE REMOVAL. SEE STRUCT. DESIG.
12. EXISTING CONCRETE OVERHANG TO BE SAW-CUT FLUSH WITH EXISTING CONC. BLOCK (TYP.). SEE STRUCT. DESIG.
13. EXISTING BUILT-UP ROOFING TO BE REMOVED AND DISCARDED TO THE WOOD DECKING BELOW (TYP.).
14. EXISTING BRIGHT IRON PICKET RAILING TO BE COMPLETELY REMOVED AND DISCARDED (TYP.).

DEMOLITION NOTES:

1. ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO ALL DEVICES (I.E. SWITCHES, CIRCUIT BREAKERS, RECEPTACLES, PANELBOARDS, DISCONNECTS, ETC.) WITHIN AREA OF WORK. E.C. SHALL VERIFY THAT ALL ELECTRICAL EQUIPMENT IN THE AREA OF WORK IS ELECTRICALLY SAFE FOR REMOVAL PRIOR TO COMMENCEMENT OF DEMOLITION WORK.
2. EXISTING LANDSCAPING MATERIAL WITHIN THE AREAS OF WORK SHALL BE REMOVED AS NECESSARY, AND AS REQUESTED BY THE OWNER MAINTAINED & STORED FOR RELOCATION UPON COMPLETION OF THE PROPOSED RENOVATIONS. EXISTING UNDERGROUND IRRIGATION LINES LOCATED WITHIN THE AREAS OF WORK SHALL BE REMOVED TO THEIR POINT OF ORIGIN AND CAPPED FOR FUTURE IRRIGATION ALTERATIONS BY OTHERS.

OFFICE COPY
CITY OF MIAMI BEACH
PERMIT BY

THIS PLAN IS VALID FOR ONE YEAR FROM DATE OF ISSUANCE
MAY 1 1998
MAY 1 1998
MAY 1 1998

Handwritten signatures and initials.

(305) 932-5200
roger piper
 architect, inc.
 P.E. & A.C. 1250
 REGISTERED PROFESSIONAL ARCHITECT
 STATE OF FLORIDA
 No. 1250

Roger Piper
8-20-01

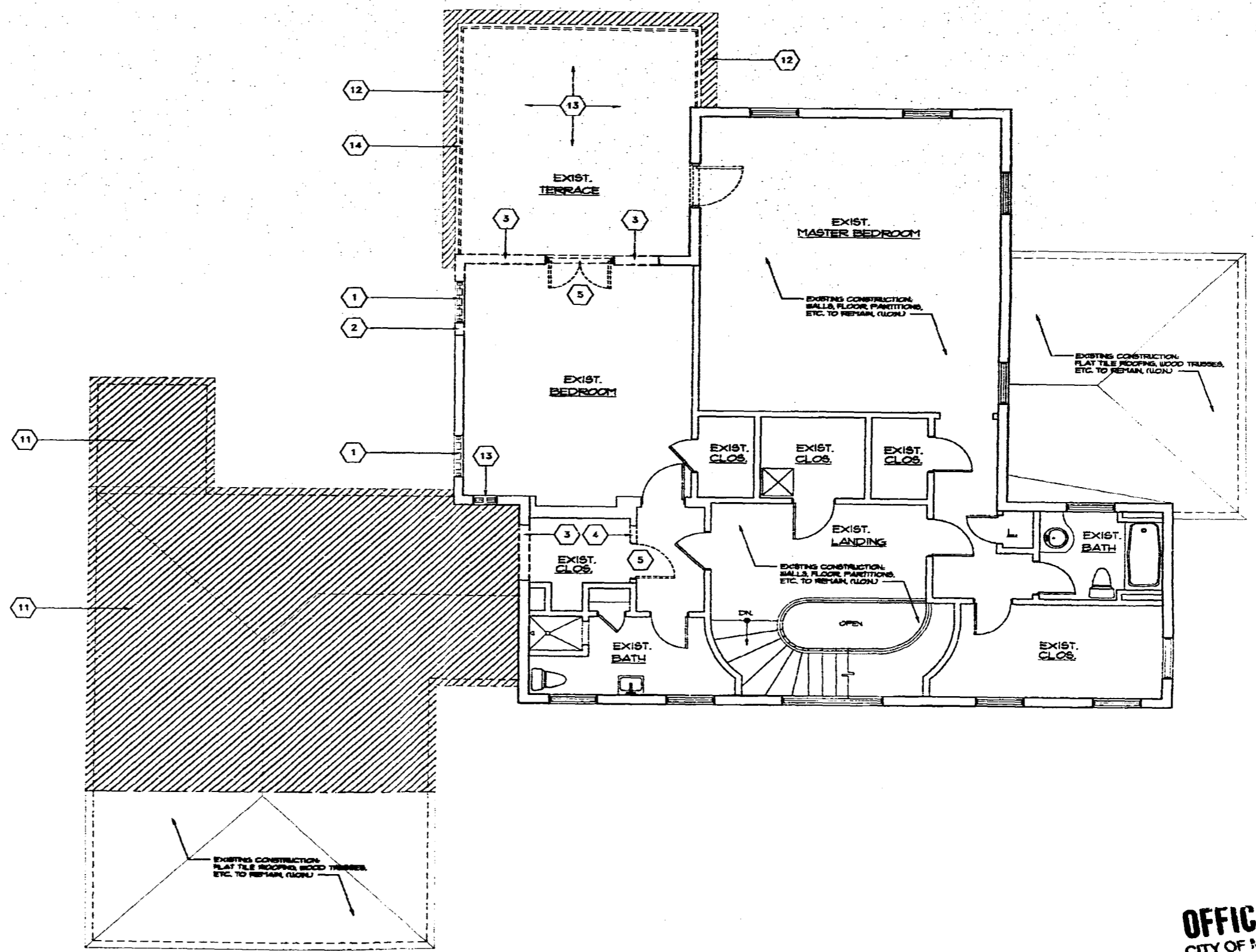
ALTERATIONS & ADDITIONS FOR:
MR. & MRS. ARIEL FURST
 800 LAKE VIEW DRIVE
 MIAMI BEACH, FLORIDA

DEMOLITION LEGEND:

1. EXISTING ALUMINUM FRAMED WINDOWS TO BE REMOVED AND DISCARDED.
2. EXISTING CONCRETE BLOCK WALL, INTERIOR FINISHES, EXTERIOR FINISH, AND ELECTRICAL DEVICES TO BE REMOVED AND DISCARDED AS REQUIRED FOR NEW DOOR / WINDOW ROUGH OPENING.
3. EXISTING CONCRETE BLOCK WALL, INTERIOR FINISHES, EXTERIOR FINISH, AND ELECTRICAL DEVICES TO BE COMPLETELY REMOVED AND DISCARDED (TYP.). CONTRACTOR SHALL PROPERLY SHORE ADJACENT AREA AS REQUIRED. SEE STRUCTURAL DIAG.
4. EXISTING INTERIOR PARTITION AND ELECTRICAL DEVICES TO BE COMPLETELY REMOVED AND DISCARDED (TYP.).
5. EXISTING WOOD DOORS, FRAME, CASING, AND HARDWARE TO BE REMOVED AND DISCARDED.
6. EXISTING WALL, 4 FLOOR CERAMIC TILE FINISH, BACKER-BOARD, AND SHOWER PAN TO BE COMPLETELY REMOVED AND DISCARDED.
7. EXIST. WASHER, DRYER, AND BATH TO BE REMOVED & STORED FOR RELOCATION. CONTRACTOR SHALL REMOVE THE EXIST. GAS AND SUPPLY LINES. SEE PLUMBING DIAG. INFORMATION.
8. EXISTING REIN. CONCRETE SLAB AND FOUNDATION TO BE COMPLETELY REMOVED AND DISCARDED (TYP.). SEE STRUCTURAL DIAG.
9. EXISTING CONCRETE LANDING, STAIRS, AND METAL PIPE RAILINGS TO BE COMPLETELY REMOVED AND DISCARDED.
10. EXISTING INTERLOCKING PAVERS & LEVELING SAND BASE TO BE REMOVED AND DISCARDED. IN PREPARATION OF NEW CONC. STRUCT. SLAB AND DECK PAVER SYSTEM (TYP.).
11. EXISTING DRYWALL, CEILING, INSULATION, ELECTRICAL, DUCTWORK, ROOFING, AND WOOD TRUSSES TO BE COMPLETELY REMOVED AND DISCARDED (TYP.). CONTRACTOR SHALL PROPERLY SHORE ADJACENT STRUCTURE FOR SAFE REMOVAL. SEE STRUCT. DIAG.
12. EXISTING CONCRETE OVERHANG TO BE SAW-CUT FLUSH WITH EXISTING CONC. BLOCK (TYP.). SEE STRUCT. DIAG.
13. EXISTING BUILT-UP ROOFING TO BE REMOVED AND DISCARDED TO THE CONCRETE DECK BELOW (TYP.).
14. EXISTING BRIGHT IRON PICKET RAILING TO BE COMPLETELY REMOVED AND DISCARDED (TYP.).

DEMOLITION NOTES:

1. ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO ALL DEVICES (I.E. SWITCHES, CIRCUIT BREAKERS, RECEPTACLES, PANELBOARDS, DISCONNECTS, ETC.) WITHIN AREA OF WORK. E.C. SHALL VERIFY THAT ALL ELECTRICAL EQUIPMENT IN THE AREA OF WORK IS ELECTROLOGICALLY SAFE FOR REMOVAL PRIOR TO COMMENCEMENT OF DEMOLITION WORK.
2. EXISTING LANDSCAPING MATERIAL WITHIN THE AREAS OF WORK SHALL BE REMOVED AS NECESSARY, AND AS REQUESTED BY THE OWNER, MAINTAINED & STORED FOR RELOCATION UPON COMPLETION OF THE PROPOSED RENOVATIONS. EXISTING UNDERGROUND IRRIGATION LINES LOCATED WITHIN THE AREAS OF WORK SHALL BE REMOVED TO THEIR POINT OF ORIGIN AND CAPPED FOR FUTURE IRRIGATION ALTERATIONS BY OTHERS.



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

GENERAL NOTES:

1. THE GENERAL NOTES AND CONSTRUCTION DOCUMENTS HEREIN SHALL APPLY TO THE WORK OF THIS PROJECT, AND SHALL BE CAREFULLY REVIEWED BY THE GENERAL CONTRACTOR AND ALL HIS SUBCONTRACTORS. THE GENERAL CONTRACTOR SHALL COORDINATE EACH SUBCONTRACTOR'S WORK WITH OTHER SUBCONTRACTORS WORK ASSOCIATED WITH THIS PROJECT.
2. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL CARRY WORKING COMPENSATION INSURANCE IN STATUTORY AMOUNTS AS REQUIRED BY LAW. THE FALLING OBJECTS PERMITTED BY LAW. THE GENERAL CONTRACTOR AND ALL HIS SUBCONTRACTORS SHALL MAINTAIN A HOLD HARMLESS THE OWNER, ARCHITECT AND HIS CONSULTING ENGINEERS AND THEIR AGENTS AND EMPLOYEES FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES RESULTING FROM THE PERFORMANCE OF THE WORK ASSOCIATED WITH THIS PROJECT.
3. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS & DIMENSIONS AT THE COMMENCEMENT OF THE WORK. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND NOTIFY THE ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE ENCOUNTERED. BY SUBMITTING A BID FOR CONSTRUCTION, THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL BE DEEMED TO HAVE ACCEPTED THE ABOVE INFORMATION AND TO HAVE AGREED TO ALL COSTS AND/OR FEES PERTAINING TO THE COMPLETION OF THE PROJECT AS AS INTENDED IN THE BIDDING CONSTRUCTION DOCUMENTS SET AND ANY ADDENDA. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO THE REMOVAL, RELOCATION, AND/OR REPAIR OF ANY EXISTING OBJECTS OR OBSTRUCTIONS WHICH MAY BE ENCOUNTERED IN PERFORMING THE WORK.
4. ALL WORK PERFORMED FOR THIS PROJECT SHALL COMPLY WITH ALL NATIONAL STATE AND LOCAL CODES HAVING JURISDICTION, THE SOUTH FLORIDA BUILDING CODE, AND WITH THE REQUIREMENTS OF THE UTILITY COMPANIES WHOSE SERVICES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER & ARCHITECT PRIOR TO, OR AT THE TIME OF PERMITTING. ANY REQUIRED CHANGES SHALL BE SHOWN AS DETERMINED BY THE ARCHITECT, ON REVISED DRAWINGS ISSUED TO THE GENERAL CONTRACTOR. ANY CONSTRUCTION FEES SHALL TAKE PLACE AT THE TIME, AND AS DETERMINED BY THE ARCHITECT AND OWNER.
5. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL MAKE ARRANGEMENTS FOR OBTAIN AND PAY FOR ALL PERMITS, TESTS, INSPECTIONS, AND APPROVALS REQUIRED OR HIS PORTION OF WORK.
6. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER & ARCHITECT OF ALL MANDATORY BUILDING INSPECTIONS REQUIRED BY THE BUILDING DEPARTMENT TO BE MADE BY THE ARCHITECT OR ANY OF HIS ENGINEERS UPON ISSUANCE OF THE PERMIT. THE GENERAL CONTRACTOR MUST CONTACT THE OWNER & ARCHITECT PRIOR TO SCHEDULE THE INSPECTION WITH THE BUILDING OFFICIAL, SO THAT THE ENGINEER CAN CONDUCT THE SAME INSPECTION AND INITIAL THE INSPECTION LOG AS REQUIRED BY SECTION 3072 OF THE S.F.B.C.
7. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS MUST BE AWARE OF ALL COMMENTS AND NOTES MADE BY THE BUILDING OFFICIAL UPON THE FINAL PERMITTED JOB SITE SET OF CONSTRUCTION DOCUMENTS, AND SHALL INCORPORATE ALL INFORMATION WITHIN THE APPLICABLE CONTRACTORS' SCOPE OF WORK. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO KEEP AN AS-BUILT SET OF CONSTRUCTION DOCUMENTS, AND TO NOTIFY THE OWNER & ARCHITECT OF ANY AND ALL CHANGES MADE DUE TO FIELD DIRECTIVES BY THE BUILDING INSPECTORS. UPON SUBSTANTIAL COMPLETION OF THE PROJECT, THE GENERAL CONTRACTOR SHALL DELIVER THE AS-BUILT SET OF CONSTRUCTION DOCUMENTS TO THE ARCHITECT, WITH ALL AUTHORIZED FIELD CHANGES VERY CLEARLY INDICATED IN RED INK OR PENCIL.
8. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING THE REQUIRED ELEVATIONS AND FLOOR ELEVATIONS WITH RESPECT TO APPLICABLE COUNTY FLOOR CRITERIA, FEDERAL FLOOD CRITERIA, EXISTING GROUND ROAD ELEVATIONS, AND APPLICABLE GOVERNING AGENCY. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY CONFLICTS OR DISCREPANCIES.
9. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL BE INDIVIDUALLY RESPONSIBLE FOR THE PROTECTION OF BUILDING OCCUPANTS FROM ALL HAZARDS ASSOCIATED WITH HIS PARTICULAR WORK. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL GUARDRAILS, BARRIERS, AND DUST CONTROL SYSTEMS NECESSARY TO PROTECT THE HEALTH AND SAFETY OF THE BUILDING OCCUPANTS, AND TO KEEP THE BUILDING WATER-TIGHT.
10. WRITTEN DIMENSIONS AND NOTES ARE TYPICAL FOR ALL SIMILAR CONDITIONS, UNLESS OTHERWISE SPECIFIED IN THE CONSTRUCTION DOCUMENTS. DO NOT SCALE DRAWINGS. IF REQUIRED DIMENSIONS OR NOTES ARE NOT INDICATED, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR RESOLUTION.
11. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR ANY CUTTING, FITTING, AND PATCHING THAT MAY BE REQUIRED TO PROPERLY COMPLETE THE WORK OF HIS CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORK OF ANY OTHER CONTRACTOR. ANY REPAIRS INCURRED TO REPAIR DEFECTIVE OR LIMITED WORK SHALL BE BORNE BY THE SUBCONTRACTOR RESPONSIBLE THEREFOR.
12. THE GENERAL CONTRACTOR SHALL SUBMIT PRODUCT APPROVALS, SHOP DRAWINGS, SAMPLES, AND EQUIPMENT SPECIFICATION SHEETS AS CALLED FOR IN THE CONSTRUCTION DOCUMENTS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: PRECAST CONCRETE, PRECAST STAIRS, RAILINGS, WINDOWS, GLASS BLOCKS, SHUTTERS, ELECTRICAL AND AIR CONDITIONING EQUIPMENT, APPLIANCES, PLUMBING FIXTURES, CABINETRY, AND FINISHES. ALL SUBMITTALS SHALL BE DELIVERED TO THE OWNER SUFFICIENTLY IN ADVANCE TO ALLOW FOR REVIEW, REVISION AND/OR FABRICATION SHALL NOT CONSTITUTE UNTIL SUBMITTALS ARE REVIEWED AND APPROVED BY THE OWNER, ARCHITECT, AND/OR ENGINEER.
13. ALL REQUIRED LAB TESTS PERTAINING TO THE PROJECT SHALL BE PERFORMED AT THE SOLE EXPENSE OF THE GENERAL CONTRACTOR, AND BY A LICENSED TESTING LABORATORY UNDER THE SUPERVISION OF A FLORIDA REGISTERED ENGINEER. TEST RESULTS SHALL BE SUBMITTED TO THE ARCHITECT FOR HIS APPROVAL EACH TIME A TEST IS COMPLETED.
14. THE GENERAL CONTRACTOR AND ALL APPLICABLE SUBCONTRACTORS SHALL FURNISH AND BE SOLELY RESPONSIBLE FOR ALL TEMPORARY BRACING AND SHORING REQUIRED TO MAINTAIN THE PLUMBNESS AND STABILITY OF STRUCTURAL ELEMENTS. THIS SHALL APPLY TO EVEN TO THOSE STRUCTURAL MEMBERS NOT INDICATED IN THE CONSTRUCTION DOCUMENTS.
15. AFTER COMPLETION OF CONSTRUCTION ON A DAILY BASIS, ALL WORK AREAS SHALL BE LEFT CLEAN AND FREE OF ANY JOINT COMPOUND, PLASTER, STUCCO, PAINT, GREASE OR SPLATTERS, AND THE BUILDING IS TO BE BROOM CLEANED.
16. ALL WORK SPECIFIED IN THE CONSTRUCTION DOCUMENTS, AND PERFORMED BY THE GENERAL CONTRACTOR OR HIS SUBCONTRACTORS, SHALL BE GIVEN A TWO (2) YEAR WARRANTY FROM THE DATE OF THE CITY OR COUNTY'S FINAL INSPECTION, AND WITH THE OWNER'S APPROVAL OF SATISFACTION. DURING THIS PERIOD, THE CONTRACTOR AGREES TO REPAIR AND/OR REPLACE, AS NECESSARY, ANY WORK PERFORMED UNDER HIS CONTRACT WHICH IS DEFECTIVE OR DAMAGED DUE TO CIRCUMSTANCES ASSOCIATED WITH THE WORKMANSHIP OF THE GENERAL CONTRACTOR'S WORK FORCE, OR THAT OF HIS SUBCONTRACTORS.
17. THESE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF CONSTRUCTION AND REMAIN THE PROPERTY OF THE ARCHITECT. ANY REPRODUCTION OF SAID DRAWINGS, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT, IS STRICTLY PROHIBITED BY COPYRIGHT PROTECTION LAWS.
18. THE GENERAL CONTRACTOR SHALL PROVIDE THE OWNER WITH SIGNED, PARTIAL RELEASE OF LIENS IN ACCURATE DOLLAR AMOUNTS FROM ALL SUPPLIERS, SUBCONTRACTORS AND CONTRACTORS PRIOR TO RECEIVING FINAL PAYMENT, WITH FINAL RELEASES OF LIENS IN FULL DOLLAR AMOUNTS PRIOR TO RECEIVING FINAL PAYMENT.
19. THE GENERAL CONTRACTOR SHALL PROVIDE THE OWNER WITH A SCHEDULE OF VALUES FOR ALL SEGMENTS OF THE WORK AND A PROJECT SCHEDULE IN THE FORM OF A FLOW-HEAT OR BAR GRAPH. THE SCHEDULE OF VALUES SHALL BE THE ESTABLISHED "100% COMPLETE" DOLLAR AMOUNTS TO BE USED IN ALL PAYMENT REQUESTIONS.
20. THE GENERAL CONTRACTOR MAY NOT SUBSTITUTE ANY MATERIALS SPECIFIED IN THE CONSTRUCTION DOCUMENTS WITHOUT THE WRITTEN CONSENT OF THE OWNER & ARCHITECT.
21. THE GENERAL CONTRACTOR SHALL MAINTAIN ALL APPLICABLE INSURANCE POLICIES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH PROOF OF THE NECESSARY AS OF THE DATE OF RENEWAL OF PREVIOUS POLICIES BEFORE ANY ADDITIONAL PAYMENTS WILL BE MADE BY THE OWNER.

SHOP DRAWINGS:

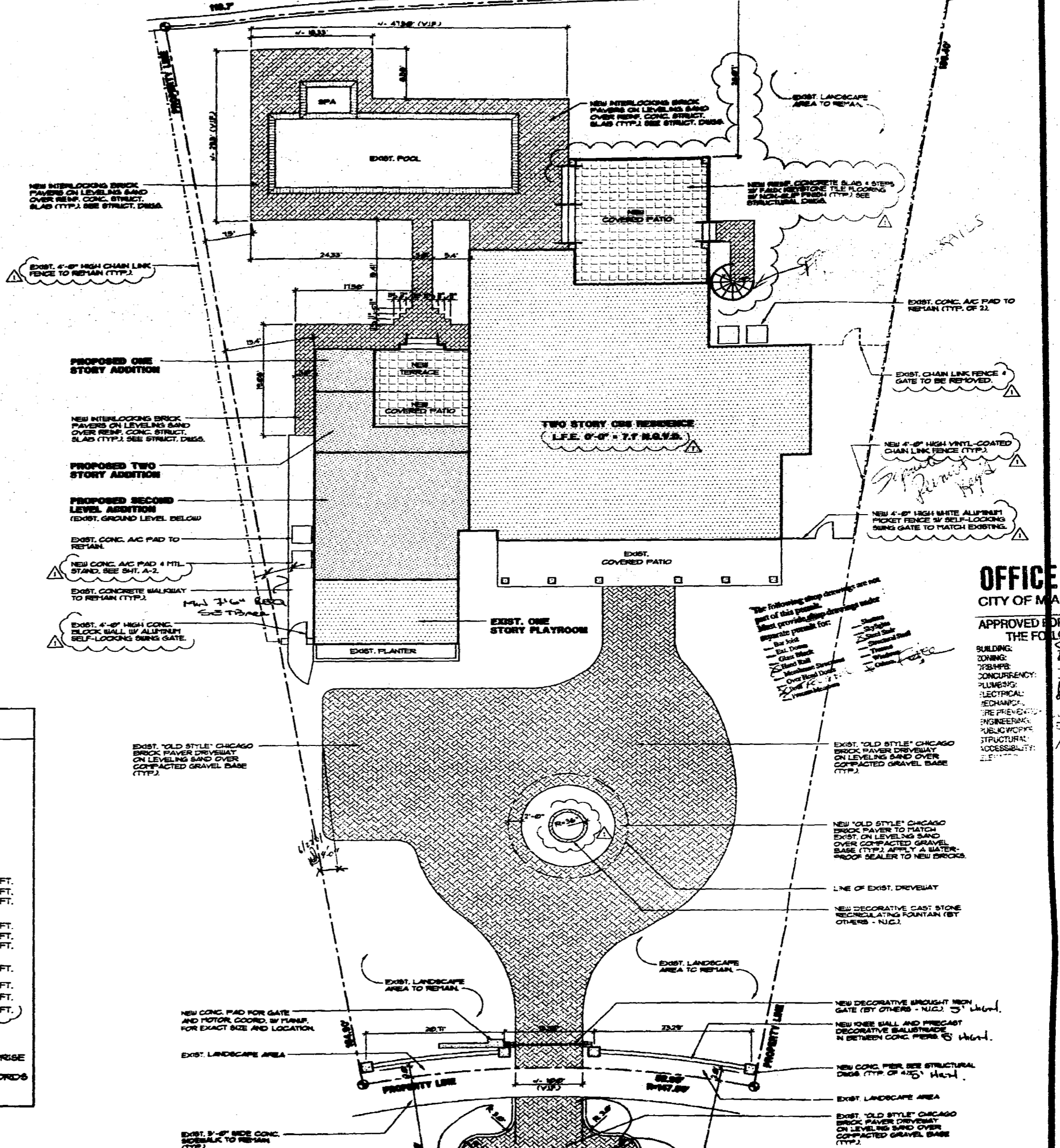
ALL SHOP DRAWINGS SHALL BE THOROUGHLY CHECKED BY THE GENERAL CONTRACTOR AND APPLICABLE SUBCONTRACTOR, AND SHALL BEAR THE CONTRACTOR'S SIGNATURE BEFORE BEING SUBMITTED TO THE OWNER FOR APPROVAL. WHEN REVIEWED BY THE ARCHITECT OR ENGINEER ON BEHALF OF THE OWNER, SUCH REVIEW SHALL BE FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH INFORMATION GIVEN AND THE INFORMATION EXPRESSED IN THE CONSTRUCTION DOCUMENTS. APPROVAL WILL NOT RELIEVE THE GENERAL CONTRACTOR AND APPLICABLE SUBCONTRACTOR OF THEIR RESPONSIBILITY FOR QUANTITY, FIT, DIMENSIONS, FINISH, SEQUENCES, METHODS, AND PROCEDURES, NOR FOR ANY DEVIATION FROM THE REQUIREMENTS SPECIFIED IN THE CONSTRUCTION DOCUMENTS.

THE GENERAL CONTRACTOR SHALL SUBMIT (1) SEPA REPRODUCIBLE COPY, AND (2) SUBMITTAL COPIES OF ALL SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO COMMENCING FABRICATION. ALL SHOP DRAWINGS, ONCE REVIEWED BY THE ARCHITECT OR ENGINEER, SHALL BEAR THE SIGNATURE OF THE ARCHITECT OR ENGINEER, AND SHALL INDICATE WHAT ACTION SHOULD BE TAKEN BY THE CONTRACTOR. APPROVED, APPROVED AS NOTED, OR NOT APPROVED AND RE-REVIEW.

BURGLAR INTRUSION NOTES:

1. PROVIDE INTRUSION AND BURGLARY SECURITY DEVICES AS SET IN CHAPTER 38 OF THE SOUTH FLORIDA BUILDING CODE.
2. ALL LOCKS ON EXTERIOR DOORS MUST BE CAPABLE OF RESISTING A FORCE OF 360 LB. APPLIED IN ANY MOVABLE DIRECTION AND IN ACCORDANCE WITH RESISTANCE STANDARDS SET FORTH IN THE SOUTH FLORIDA BUILDING CODE.
3. ALL SINGLE EXTERIOR SWING DOORS MUST HAVE A LOCK KEY OPERATED FROM THE EXTERIOR WITH A MINIMUM OF 6000 POSSIBLE KEY CHANGES OR LOCKING AUXILIARY 6MM DIA DEAD BOLT WITH HARDENED BOLT INSERTS.
4. THE ACTIVE LEAF OF PAIRS OF EXTERIOR SWING DOORS MUST HAVE SAME LOCKS AS REQUIRED FOR SINGLE EXTERIOR SWING DOORS. THE INACTIVE LEAF MUST HAVE MULTIPLE POINTS OF LOCKS WITH 5/8" MIN. THROUGH BOLTS WITH INSERTS.
5. LATCHES OF ALL EXTERIOR OFFSET OR SWINGING DOORS MUST BE RAISED, OR OF SIMILAR FABRICATION, TO PREVENT DEFEATING THE PURPOSE OF THE STRIKE AND THE INTEGRITY OF THE LOCKS AND LATCHES.
6. HINGES ON EXTERIOR OUT SWINGING DOORS MUST HAVE NON-REMOVABLE HINGE PINS AND NON-EXPOSED SCREWS.
7. GLASS AND EXTERIOR DOORS MUST COMPLY WITH THE AMERICAN NATIONAL STANDARD INSTITUTE'S STANDARD 2511.
8. VISION PANEL EXTERIOR DOORS OTHER THAN GLAZING WITHIN 40" OF THE INTERIOR LOCK ACTIVATING DEVICE OF LOCKS AND SWING DOORS MUST COMPLY WITH THE AMERICAN NATIONAL STANDARD INSTITUTE'S STANDARD 2511.
9. WINDOWS MUST BE INSTALLED AND CONSTRUCTED SO THAT NO PANEL CAN BE LIFTED FROM THE TRACKS WHEN IN THE LOCKED POSITION AND SO AS TO COMPLY WITH THE ARCHITECTURAL ALUMINUM HINGE ASSOCIATION STANDARDS FOR FORCED ENTRY RESISTANCE, ANIA 0033, PROVIDE LOCKS AS PER S.F.B.C. 3603.2(A) (2)(2)(A) AND (C). EXTERIOR WINDOWS MUST BE LOCKED WITH A DEVICE CAPABLE OF WITHSTANDING A FORCE OF 50 LBS. APPLIED IN AN OPERABLE DIRECTION.

SITE / PROJECT DATA	
SITE / PROJECT DATA	
ZONING:	A-E
SITE AREA:	16,302 SQ. FT.
SETBACKS:	
FRONT	20' MIN.
REAR	20' MIN.
SIDE	SUM EQUAL TO 25% LOT WIDTH OR 5'-0" MIN. IF MATCHING EXIST. BLDG.
BUILDING AREA:	
EXISTING GROUND LEVEL (A/C):	2,896 GROSS SQ. FT.
GROUND LEVEL ADDITION (A/C):	224 GROSS SQ. FT.
TOTAL GROUND LEVEL (A/C):	3,120 GROSS SQ. FT.
EXISTING SECOND LEVEL (A/C):	1,445 GROSS SQ. FT.
SECOND LEVEL ADDITION (A/C):	1,053 GROSS SQ. FT.
TOTAL SECOND LEVEL (A/C):	2,498 GROSS SQ. FT.
TOTAL BUILDING AREA (A/C):	5,618 GROSS SQ. FT.
EXIST. COVERED PATIO:	338 GROSS SQ. FT.
COVERED PATIO ADDITION:	548 GROSS SQ. FT.
TOTAL COVERED PATIO:	886 GROSS SQ. FT.
LEGAL DESCRIPTION	
LOT 6 AND 7 LESS THE SOUTH 60'25" IN THE BLOCK B OF SURPRISE LAKE SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 9 AT PAGE 14 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.	



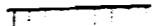
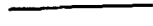


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CITY OF MIAMI BEACH

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BUILDING: [Signature]
ZONING: [Signature]
PERMITS: [Signature]
CONCURRENCY: [Signature]
PLUMBING: [Signature]
ELECTRICAL: [Signature]
MECHANICAL: [Signature]
FIRE PREVENTION: [Signature]
ENGINEERING: [Signature]
PUBLIC WORKS: [Signature]
STRUCTURAL: [Signature]
ACCESSIBILITY: [Signature]

ALTERATIONS & ADDITIONS FOR:
MR. & MRS. ARIEL FURST
800 LAKE VIEW DRIVE
MIAMI BEACH, FLORIDA

30400 S.W. 25th St.
Miami Beach, FL 33135
roger piper
architect, inc.
(305) 932-9200
n.c.a.a.b. certified - c.s.a. associate

LEGEND

-  NEW 8" CONC. BLOCK WITH 1/2" GYPSUM WALLBOARD ON 1/2 PT. NO. FINISH & 1/2" OC WITH R-4 FIBERGLASS INSULATION MORTAR BEDS ARE TO BE FULL AND JOINTS ARE TO BE FILLED. ALL VERTICAL JOINTS ARE TO BE BRICK MATCH WITH BLOCKWORK. ALL BLOCKWORK IS TO BE Laid LEVEL, AND PLASTER SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
-  EXIST. 8" CONC. BLOCK WALL WITH INTERIOR PLASTER FINISH ON 1/2 PT. BOSS FINISH & 1/2" OC CONCRETOR SHALL PATCH AND REPAIR ANY DAMAGES TO THE PLASTER FINISH WITH THE AREA OF ALTERATIONS AND ADDITIONS.
-  NEW 2x4 WOOD FRAMED PARTITION, 2x4 SPACING @ 16" OC. BASE PLASTER TO BE 3/4 PT. FINISH. BRICK MATCH WITH 1/2" GYPSUM WALLBOARD AND INSULATE WITH 1/2" SOUND ATTENUATION BLANKETS.
-  EXIST. 2x4 WOOD FRAMED PARTITION TO REMAIN. CONCRETOR SHALL PATCH AND REPAIR ANY DAMAGES TO THE PLASTER FINISH WITH THE AREA OF ALTERATIONS AND ADDITIONS.

NOTES

1. ALIGN PARTITION FINISH WITH PT. NO. FINISH ON MASONRY WALLS.
2. ALL TRIM IN CONTACT WITH CONCRETE OR CONC. BLOCK SHALL BE PT.
3. ALL GYPSUM WALLBOARD IN BATHROOMS SHALL BE 1/2" MOISTURE-RESISTANT, SUBSTRATE 1/2" DUROCK TILE BACKER BOARD WHERE WALL TILE IS SPECIFIED.
4. DRAWINGS REFLECT CABINERY LAYOUT ONLY. CABINERY TO BE FABRICATED AND INSTALLED BY OTHERS NOT IN CONTRACT.
5. ALL FINISHING FIXTURES AND APPLIANCES SHALL BE SUPPLIED BY THE OWNER AND INSTALLED BY THE GENERAL CONTRACTOR.
6. SAFE HANDRAILS AT HEIGHT AT LANDING AND STAIRS, 34" HEIGHT AT HANDRAIL PICKETS SPACED TO RESIST A 4" SPHERE. REFER TO S.F.C. SECTION 286.3 AND 289.3 FOR CONSTRUCTION REQUIREMENTS.
7. ALL EXTERIOR DOORS & WINDOWS SHALL HAVE CURRENT DADE CO. PRODUCT APPROVAL.
8. ALL INTERIOR WOOD BARE, CASINGS, AND TRIM SHALL BE FILLED TO MATCH EXISTING BUILDING STANDARD.

INTERIOR PAINTING NOTES

1. ALL EXISTING AND NEW INTERIOR WALLS AND CEILING SHALL BE PREPARED AND PAINTED WITH TWO (2) COATS OF HIGH QUALITY LATEX PAINT IN COLORS AND FINISHES SELECTED BY THE OWNER.
2. ALL EXISTING AND NEW INTERIOR WOOD TRIM, DOORS, CASINGS, BASEBOARD, ETC. SHALL BE PREPARED AND PAINTED WITH TWO (2) COATS OF HIGH QUALITY INTERIOR GRADE OIL BASE PAINT IN COLORS AND FINISHES SELECTED BY THE OWNER.

NEW ALUM. DOWNSPOUT IN A COLOR SELECTED BY OWNER. SEE ROOF PLAN FOR GUTTER LOCATIONS.

NEW INTERIOR PARTITION (TYP.) USE 2x4 WOOD STUDS @ 16" OC. WITH 1/2" SOUND ATTENUATION BLANKETS, SHEATH EACH SIDE WITH 1/2" LAYER OF 5/8" GYPSUM WALLBOARD.

NEW 8" CONC. BLOCK WALL (TYP.) INSTALL 1/2 PT. NO. FINISH & 1/2" OC. 1/2" SHEATH WITH 1 LAYER OF 5/8" GYPSUM WALLBOARD.

NEW BUILT-IN PLASTIC LAMINATED BASE & WALL MOUNTED CABINERY BY OTHERS (N.E.C.)

EXIST. CONC. BLOCK WALL TO RECEIVE NEW 1/2 PT. NO. FINISH & 1/2" OC. 1/2" SHEATH WITH 1 LAYER OF 5/8" GYPSUM WALLBOARD. (TYP. AT NEW LAUNDRY & NEW CORRIDOR)

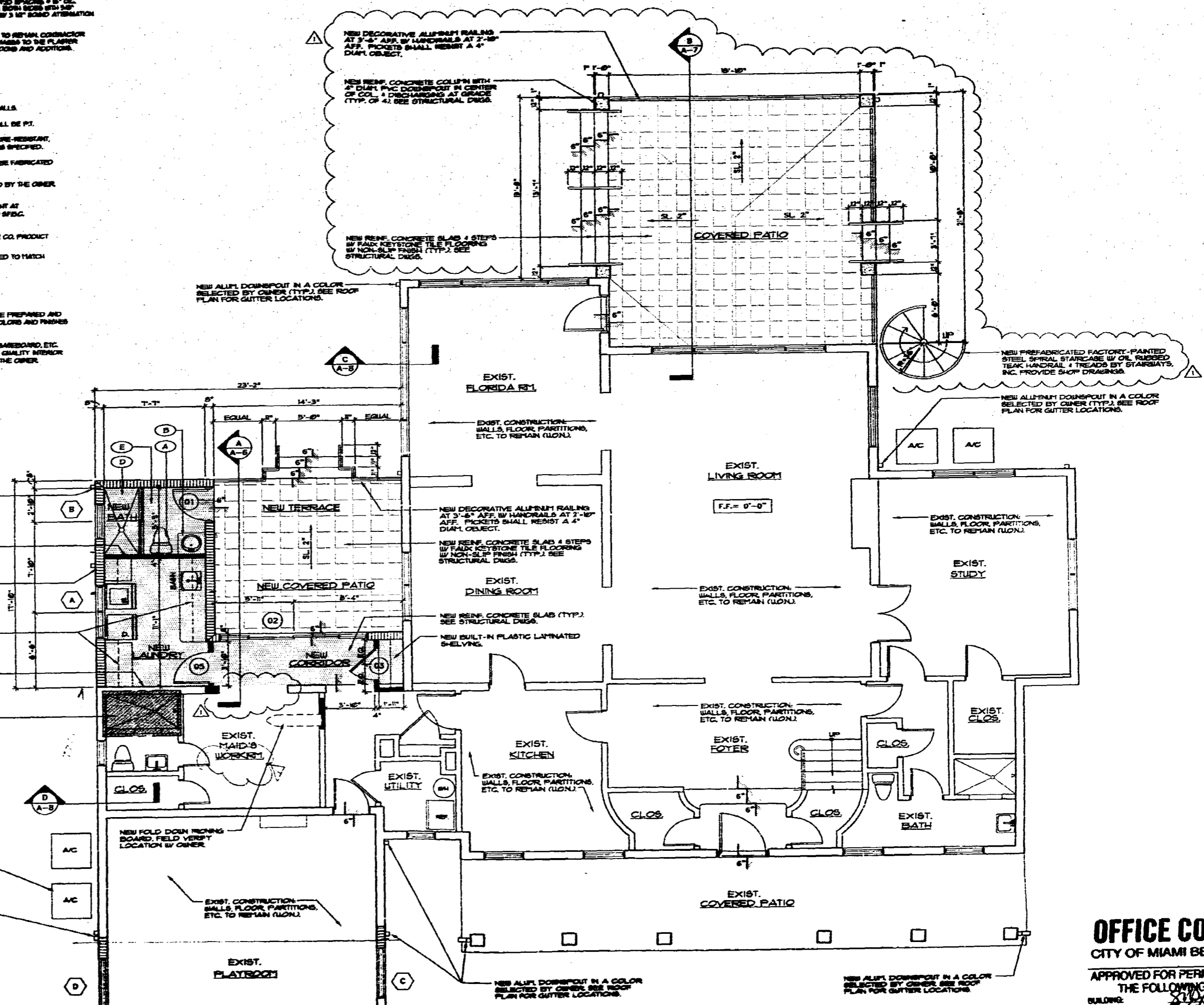
NEW WALL & FLOOR CERAMIC TILE FINISH. DUROCK TILE BACKER BOARD, AND SHOWER PAN TO REPLACE EXISTING. EXACT CERAMIC TILE SHALL BE SELECTED BY THE OWNER.

NEW A/C CONDENSING UNIT ON A NEW GALV. METAL STAND FASTENED TO A PRECAST CONC. PAD. UNIT MUST BE ELEVATED TO A MIN. OF 18" NGVD.

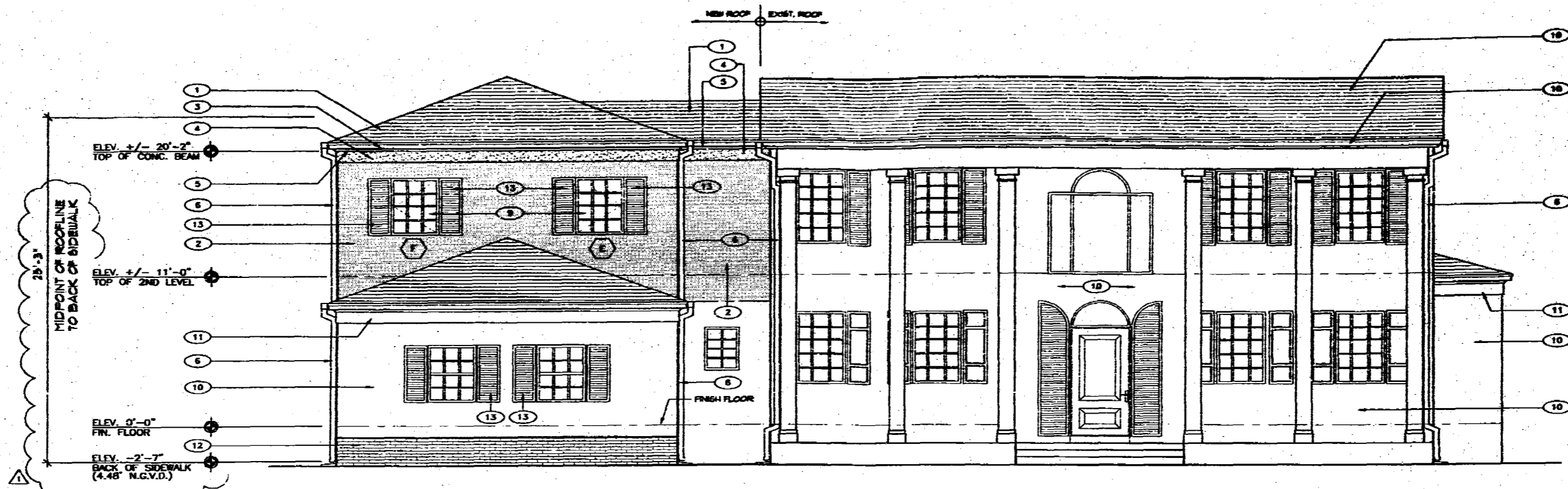
NEW ALUM. DOWNSPOUT IN A COLOR SELECTED BY OWNER. SEE ROOF PLAN FOR GUTTER LOCATIONS.

BATHROOM NOTES

- A. NEW 3/4" PICE FIBERGLASS WATER CLOSET BY ELEVATED SET.
- B. NEW WOOD LAMINATED VANTY, SOLID SERVICE COUNTER AND BACKPLASH BY SUBCONTRACTOR LAUNDRY & FACET.
- C. NEW CAST IRON SHOWER BATHING BY PRESSURE. SEE SITE PLAN FOR LOCATION.



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 THE FOLLOWING:
 [Signature]
 [Signature]
 BUILDING
 ZONING
 DEPARTMENT



NORTH ELEVATION

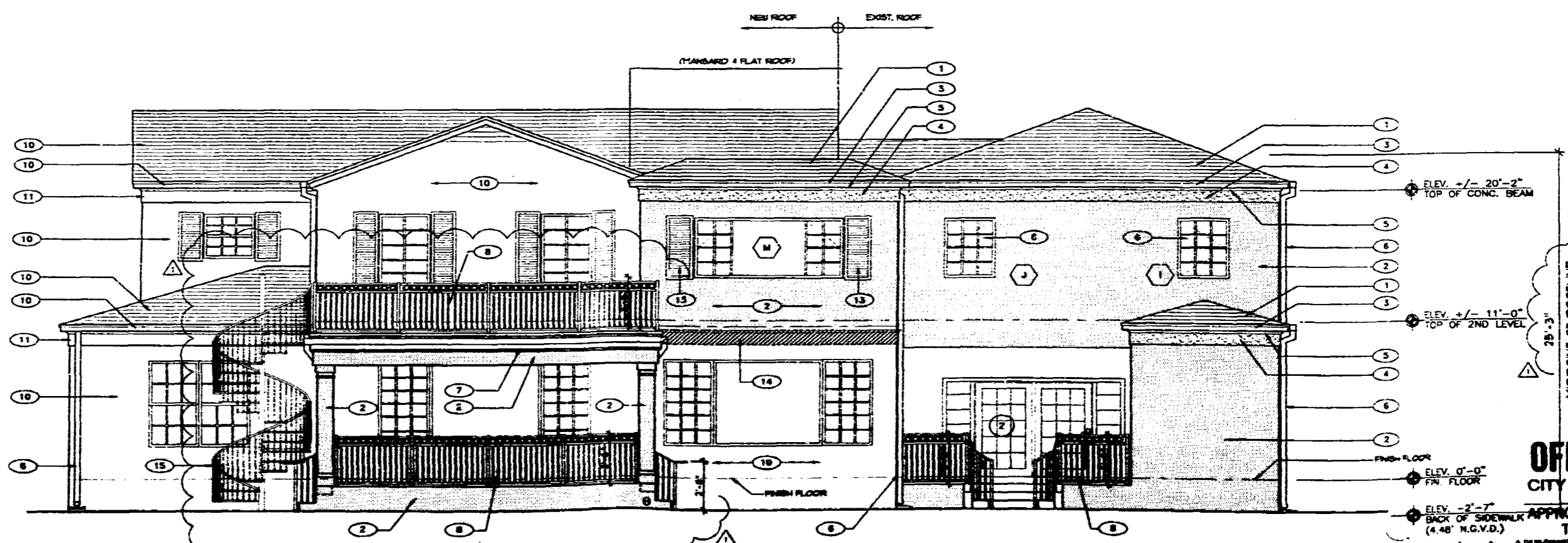
SCALE: 1/4"=1'-0"

ELEVATION LEGEND:

- 1. NEW CERAMIC FLAT ROOFING TILE SET IN ADHESIVE AND NAILED TO 3/4" MINERAL FIBER ROOFING SLATE, NOT PIERRED OVER ONE (1) LAYER OF 3/8" BUILDING FELT LAPPED 4" AND TIN CARRED AT 2" EACH WAY (TYP.)
- 2. NEW SANDED STUCCO FINISH TO MATCH EXIST. BLDG. STANDARD (TYP.)
- 3. NEW SMOOTH STUCCO FASCIA & COPPER DRIP EDGE TO MATCH EXIST. BLDG. STANDARD (TYP.). SEE WALL SECTIONS.
- 4. NEW DECORATIVE SMOOTH STUCCO BANDING TO MATCH EXIST. BLDG. STANDARD (TYP.)
- 5. NEW DECORATIVE COATED STYROFOAM CORN MOULDING TO MATCH BLDG. STANDARD (TYP.)
- 6. NEW CONTINUOUS ALUMINUM RAIN GUTTER & DOWNSPOUT IN A COLOR SELECTED BY THE OWNER. PROVIDE A PRECAST CONC. SPLASH BLOCK.
- 7. NEW DECORATIVE COATED STYROFOAM CORNICE MOULDING (TYP.). EXACT PROFILE SHALL BE SELECTED BY THE OWNER.
- 8. NEW DECORATIVE WROUGHT IRON RAILING TO 3'-6" AFF. (TYP.). PICKETS SHALL RESIST A 4" DIA. OBJECT.
- 9. NEW SECOND MEANS OF EGRESS WINDOW SHALL COMPLY WITH NFPA 101-22-20 AND SHALL HAVE A CLEAR FINISH OPENING OF NOT LESS THAN 5.7 SQ. FT. (MIN. 20" H. X 24" W.). THE BOTTOM OF THE WINDOW OPENING SHALL NOT EXCEED 44" FROM THE FINISH FLOOR.
- 10. EXISTING ROOFING TILE, FASCIA AND STUCCO FINISH TO REMAIN (TYP.-UNCL.)
- 11. EXISTING STUCCO BANDING & CORN MOULDING TO REMAIN (TYP.-UNCL.)
- 12. EXISTING BRICK PLANTER WALL TO REMAIN (TYP.).
- 13. NEW DECORATIVE WOOD WINDOW SHUTTER TO MATCH EXIST. BLDG. STANDARD.
- 14. EXISTING STUCCO BANDING TO BE COMPLETELY REMOVED (TYP.). PREPARE SURFACE AND APPLY NEW SANDED STUCCO FINISH TO MATCH EXISTING.
- 15. NEW PREFABRICATED FACTORY-PAINTED STEEL SPIRAL STAIRCASE W/ OIL RESISTED TEAK HANDRAIL AT 34" FROM TOP OF TEAK TREADS. PICKETS SHALL RESIST A 4" DIA. OBJECT.

EXTERIOR PAINTING NOTES:

- 1. ALL EXISTING AND NEW STUCCO FINISHES SHALL BE PREPARED AND FINISHED WITH TWO (2) COATS OF HIGH QUALITY EXTERIOR GRADE LATEX PAINT IN COLORS AND FINISHES SELECTED BY THE OWNER.
- 2. ALL EXISTING AND NEW DOORS, FRAMES, WOOD SHUTTERS AND WOOD TRIM SHALL BE PREPARED AND PAINTED WITH TWO (2) COATS OF HIGH QUALITY EXTERIOR GRADE OIL BASE PAINT IN COLORS AND FINISHES SELECTED BY THE OWNER.
- 3. ALL NEW CEDAR WOOD BRIMS, JOISTS, SLATS SHALL BE PREPARED AND SEALED WITH TWO (2) COATS OF THOMPSON'S WEATHER SEALANT.



OFFICE SUPPLY
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING: [Signature]

ALTERATIONS & ADDITIONS FOR:
MR. & MRS. ARIEL FURST
800 LAKE VIEW DRIVE
MIAMI BEACH, FLORIDA

(305) 932-5200
roger piper
architect, inc.
P
1988
Piper Piper
8-28-01
P.A.C.B. certified - C.A.S. capable

NEW TERRACE
NEW NON-SLIP STONE FINISH
AS SHOWN BY FINISH SCHEDULE
STONE FINISH SHALL BE SELECTED
BY OWNER

NEW CEMENT FLAT ROOFING TILE SET IN
ADHESIVE AND NAILED TO 3/8" MINERAL
FACED ROOFING SLATE, NOT HOPIED
OVER ONE (1) LAYER OF 3/8" BUILDING
FELT LAPPED 4" AND TIN CAPPED AT
12" EACH BAY (TYP.)

NEW TORCH-DOWN MODIFIED BITUMEN ROOFING
INSTALLED OVER 1" LAYER OF 3/8" BUILDING
FELT LAPPED 4" IN EACH BAY
OVER EXISTING AND NEW ROOF STRUCTURE.
PROVIDE DIRECTIONAL CRACKERS AS SHOWN.

LINE OF EXTERIOR WALL
BELOW (TYP.)

NEW 4" MIN. ALUMINUM RAIN LEADER TURN
DOWNWARD CONNECTED TO ALUM. DOWNSPOUT
(TYP.). COLOR SHALL BE SELECTED BY OWNER.

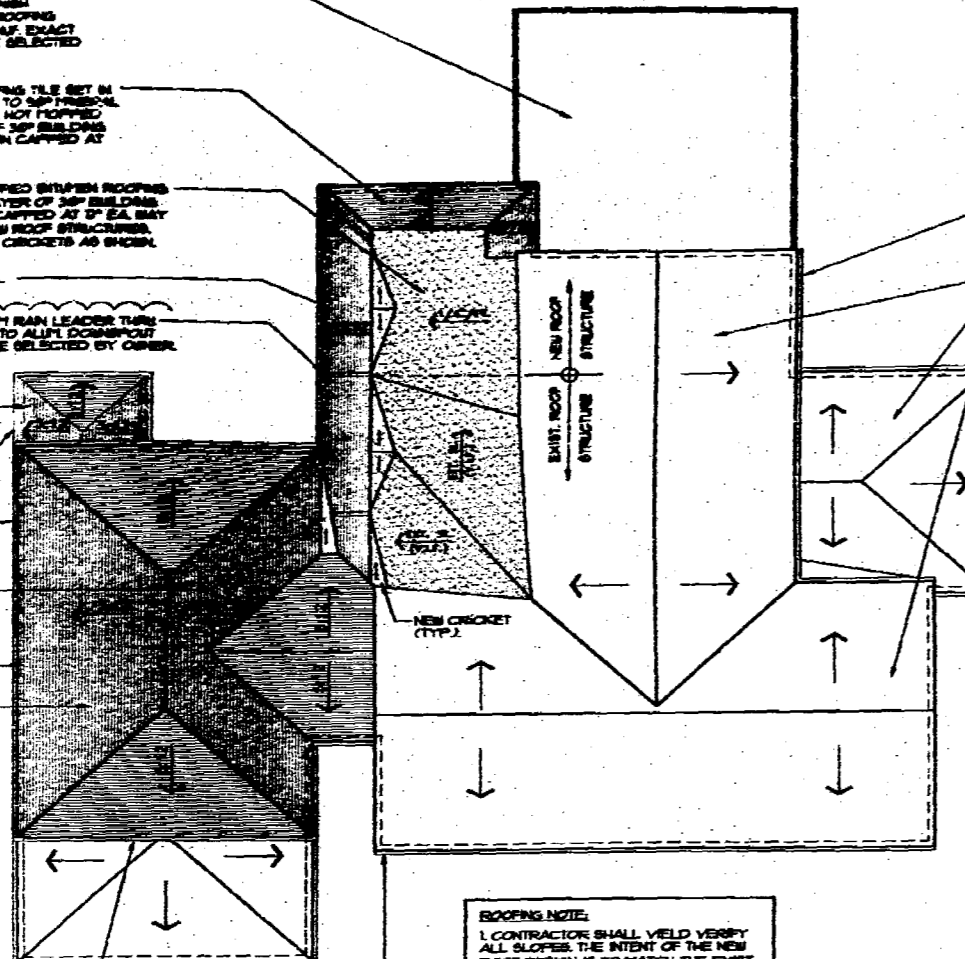
NEW CEMENT FLAT ROOFING TILE SET IN
ADHESIVE AND NAILED TO 3/8" MINERAL
FACED ROOFING SLATE, NOT HOPIED
OVER ONE (1) LAYER OF 3/8" BUILDING
FELT LAPPED 4" AND TIN CAPPED AT
12" EACH BAY (TYP.)

NEW SEAMLESS ALUM. RAIN
GUTTER (TYP.). COLOR SHALL
BE SELECTED BY THE OWNER.

NEW CONT. ALUM. VALLEY "TROUGH"
BLOTTED TO DIRECT RAINWATER TO
THE ADJACENT RAIN GUTTER

LINE OF EXTERIOR WALL
BELOW (TYP.)

NEW CEMENT FLAT ROOFING TILE SET IN
ADHESIVE AND NAILED TO 3/8" MINERAL
FACED ROOFING SLATE, NOT HOPIED
OVER ONE (1) LAYER OF 3/8" BUILDING
FELT LAPPED 4" AND TIN CAPPED AT
12" EACH BAY (TYP.)



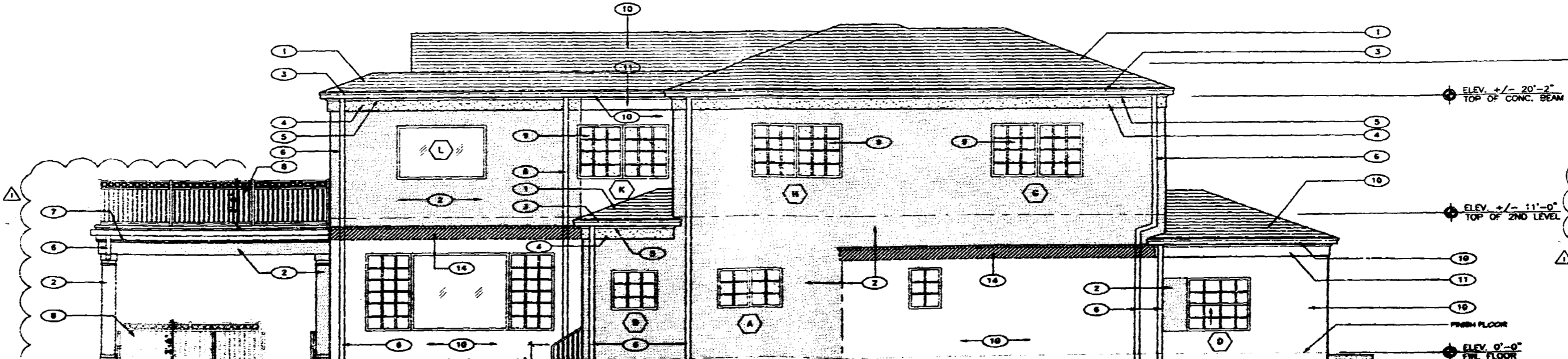
ROOFING NOTE:
1. CONTRACTOR SHALL YIELD VERIFY
ALL SLOPES. THE INTENT OF THE NEW
ROOF DESIGN IS TO MATCH THE EXIST.
ROOF.
2. ROOF TILE SHALL MATCH THE EXIST.
STYLE AND COLOR. ROOF TILE MUST
BE APPROVED BY THE OWNER AND
ARCHITECT.

ROOF PLAN
SCALE: 1/8"=1'-0"

ELEVATION LEGEND:

1. NEW CEMENT FLAT ROOFING TILE SET IN ADHESIVE AND NAILED TO 3/8" MINERAL FACED ROOFING SLATE, NOT HOPIED OVER ONE (1) LAYER OF 3/8" BUILDING FELT LAPPED 4" AND TIN CAPPED AT 12" EACH BAY (TYP.)
2. NEW SANDED STUCCO FINISH TO MATCH EXIST. BLDG. STANDARD (TYP.)
3. NEW SMOOTH STUCCO FASCIA & COPPER DRIP EDGE TO MATCH EXIST. BLDG. STANDARD (TYP.). SEE WALL SECTIONS.
4. NEW DECORATIVE SMOOTH STUCCO BANDING TO MATCH EXIST. BLDG. STANDARD (TYP.)
5. NEW DECORATIVE COATED STYROFOAM CORN MOULDING TO MATCH BLDG. STANDARD (TYP.)
6. NEW CONTINUOUS ALUMINUM RAIN GUTTER & DOWNSPOUT IN A COLOR SELECTED BY THE OWNER. PROVIDE A PRECAST CONC. SPLASH BLOCK.
7. NEW DECORATIVE COATED STYROFOAM CORNICE MOULDING (TYP.). EXACT PROFILE SHALL BE SELECTED BY THE OWNER.
8. NEW DECORATIVE BRIGHT IRON RAILING TO 3'-6" AFF. (TYP.). PICKETS SHALL RESIST A 4" DIA. OBJECT.
9. NEW SECOND MEANS OF EGRESS WINDOW SHALL COMPLY WITH NFPA 101-2010 AND SHALL HAVE A CLEAR FINISH OPENING OF NOT LESS THAN 5.7 SQ. FT. (TYP. 30" W x 7'4 1/2"). THE BOTTOM OF THE WINDOW OPENING SHALL NOT EXCEED 44" FROM THE FINISH FLOOR.
10. EXISTING ROOFING TILE, FASCIA AND STUCCO FINISH TO REMAIN (TYP. UDN.)
11. EXISTING STUCCO BANDING & CORN MOULDING TO REMAIN (TYP. UDN.)
12. EXISTING BRICK PLANTER WALL TO REMAIN (TYP.)
13. NEW DECORATIVE WOOD WINDOW SHUTTER TO MATCH EXIST. BLDG. STANDARD.
14. EXISTING STUCCO BANDING TO BE COMPLETELY REMOVED (TYP.). PREPARE SURFACE AND APPLY NEW SANDED STUCCO FINISH TO MATCH EXISTING.
15. NEW PREFABRICATED FACTORY-PAINTED STEEL SPIRAL STAIRCASES BY OR. NUMBERED 12-01 THROUGH 12-04 FROM TOP OF TIE-ROCK THREADS. PICKETS SHALL RESIST A 4" DIA. OBJECT.

EXTERIOR PAINTING NOTES:



FLAT CEMENT ROOF TILE TO MATCH EXIST.
BLDG. STANDARD, SET IN ADHESIVE AND
NAILED TO 3/8" MINERAL FACED ROOFING
SLATE, NOT HOPIED OVER 1 LAYER OF
3/8" BUILDING FELT LAPPED 4" AND TIN
CAPPED AT 12" EACH BAY OVER 3/8"
CDX PLYWOOD (TYP.)

GALVANIZED STEEL HURRICANE STRAP AT
EACH TRUSS. SEE STRUCTURAL DRAWINGS.

1/4" GAUGE CONTINUOUS COPPER DRIP
EDGE OVER P.T. 1/2" WOOD NAILER. THE FACE
(DOWNSPOUT) FLANGE AND ROOF FLANGE SHALL BE
A MIN. OF THREE (3) INCHES IN DEPTH.

CONT. ALUM. RAIN GUTTER BY DOWNSPOUTS.
SEE ROOF PLAN FOR LOCATIONS. COLOR
SHALL BE SELECTED BY OWNER.

ELEV. +/- 20'-2"
TOP OF CONC. BEAM
(MATCH EXISTING)

SMOOTH STUCCO FASCIA & COPPER TO MATCH
EXIST. BLDG. STANDARD OVER PAPER-
BACKED METAL FLASHING MECHANICALLY
FASTENED TO WOOD TRUSSES.

DECORATIVE EUPH. CORN MOULDING.
EXACT STYLE AND PROFILE SHALL
MATCH EXIST. BLDG. STANDARD.

5/8" GYPSUM WALLBOARD MECHANICALLY
FASTENED TO P.T. 1/2" WOOD FURRING @
16" O.C.

5/8" THICK SMOOTH STUCCO FINISH TO
MATCH EXIST. OVER 3" CONCRETE BLOCK
WALL. SEE STRUCTURAL DRGS.

CONT. CONCEALED FLASHING (TYP.)

EXISTING CONSTRUCTION.
FLAT TILE ROOFING, WOOD
TRUSSES, ETC. TO REMAIN
(UDN.)

ELEV. +/- 5'-0"
TOP OF EXIST. BEAM
(V.I.F.)

EXISTING CONSTRUCTION.
FLAT TILE ROOFING, WOOD
TRUSSES, ETC. TO REMAIN
(UDN.)

R-30 FIBERGLASS BATT. THERMAL
INSULATION (TYP.)

SUPRAPRIME 5/16" EXPOSED TEE GRID ALUMINUM
SUSPENSION SYSTEM BY ARMSTRONG OR EQ. W/
SCORED CLASSIC COVE CORNICE WITH HARDWARE
FRIENDLY PANELS AT DOWNLIGHTS. 24" X 24" X 3/4"
REGULAR LAY-IN CLG. TILES BY ARMSTRONG. 5/16"
(TYPICAL THRU-OUT PLAYROOM ONLY).

PLAYROOM

BEDROOM 2

R-30 FIBERGLASS BATT. THERMAL
INSULATION (TYP.)

5/8" GYPSUM WALLBOARD
MECHANICALLY FASTENED TO
1/2" WOOD FURRING @ 16" O.C.

TILED WOOD BASE EXACT
PROFILE SHALL MATCH EXIST.
BUILDING STANDARD.

3/4" CDX PLYWOOD DECKING GLED
& SCREWED TO WOOD FLOOR TRUSSES
(TYP.)

PREFAB. WOOD FLOOR TRUSSES.
SEE STRUCTURAL DRGS. PROVIDE
ENGINEERED SHOP DRGS.

R-30 FIBERGLASS BATT. THERMAL
INSULATION (TYP.)

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

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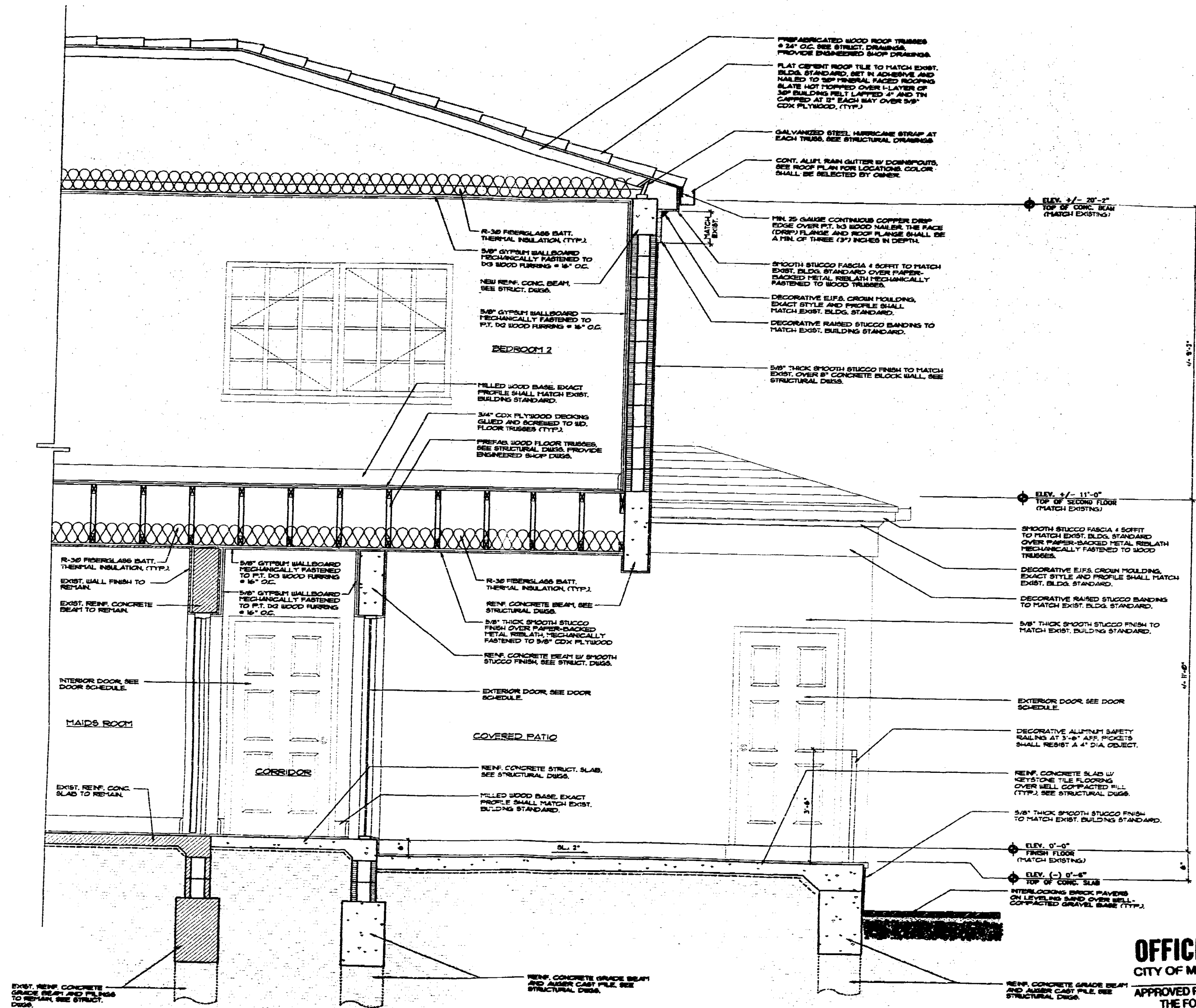
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THE FOLLOWING

BUILDING: [Signature]
ZONING: [Signature]
DRMPS: [Signature]
CONCURRENCY: [Signature]
PLUMBING: [Signature]
ELECTRICAL: [Signature]
MECHANICAL: [Signature]
FIRE PREVENTION: [Signature]
ENGINEERING: [Signature]
PUBLIC WORKS: [Signature]
STRUCTURAL: [Signature]
ACCESSIBILITY: [Signature]

ALTERATIONS & ADDITIONS FOR
MR. & MRS. ARIEL FURST
800 LAKE VIEW DRIVE
MIAMI BEACH, FLORIDA

2008 S.W. 37th Street
Miami Beach, FL 33133
(305) 632-5200
roger pipet
architect, inc.
P.L.L.C.
REGISTERED ARCHITECT - FLORIDA
No. 0176

Roger Pipet
8-22-11



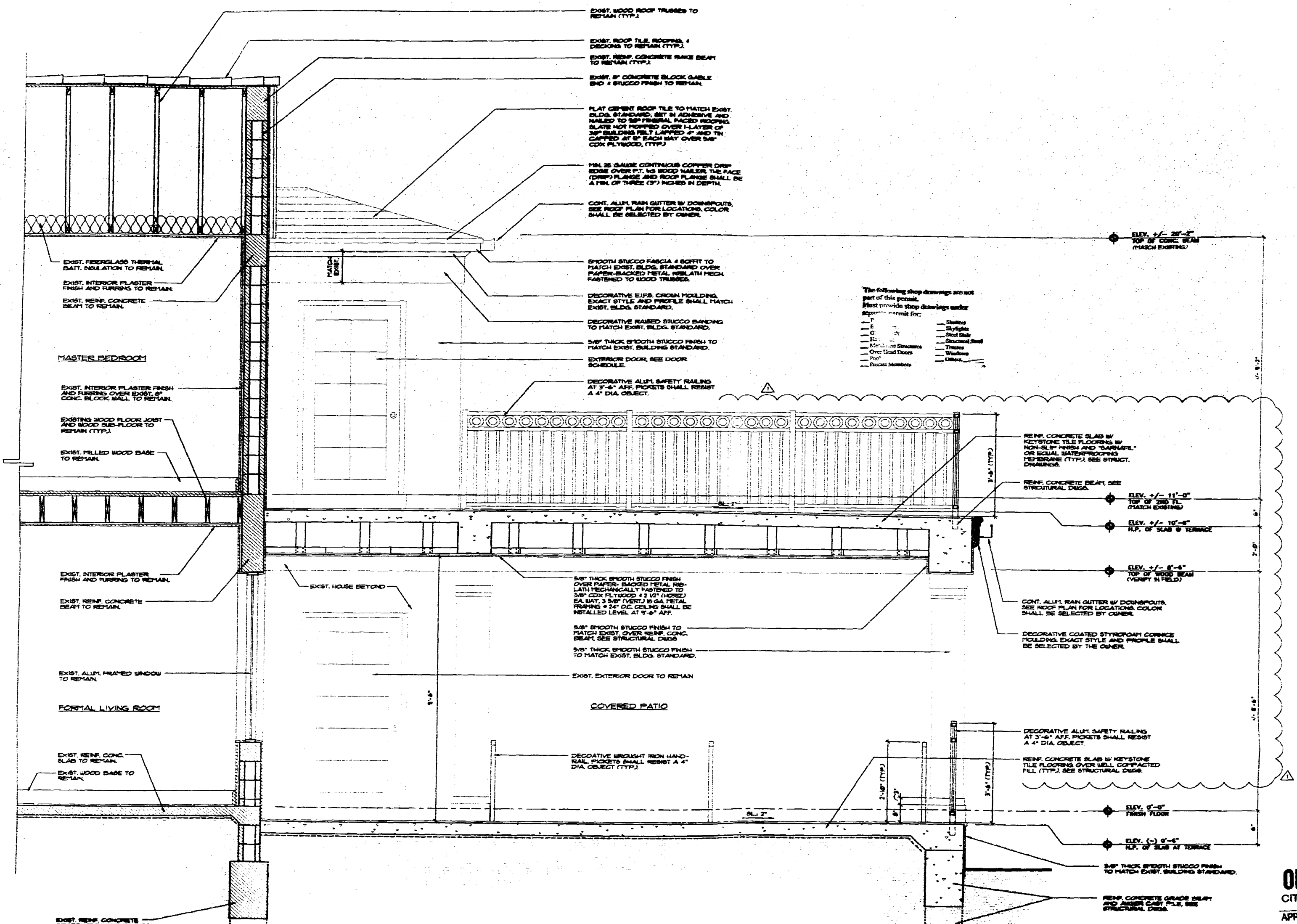
(305) 932-5200
roger piper
 architect, inc.
 P 1589
 Roger Piper
 8-20-01
 n.a.a.r.b. certified - a.i.a. associate

ALTERATIONS & ADDITIONS FOR:
MR. & MRS. ARIEL FURST
 800 LAKE VIEW DRIVE
 MIAMI BEACH, FLORIDA

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 CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY
 THE FOLLOWING:

BUILDING ZONING:



The following shop drawings are not part of this permit. Must provide shop drawings under appropriate permit for:

- F
- E
- G
- H
- Mechanical Structures
- Over Head Doors
- Roof
- Project Members
- Shutters
- Skylights
- Steel Stairs
- Structural Steel
- Trusses
- Windows
- Other

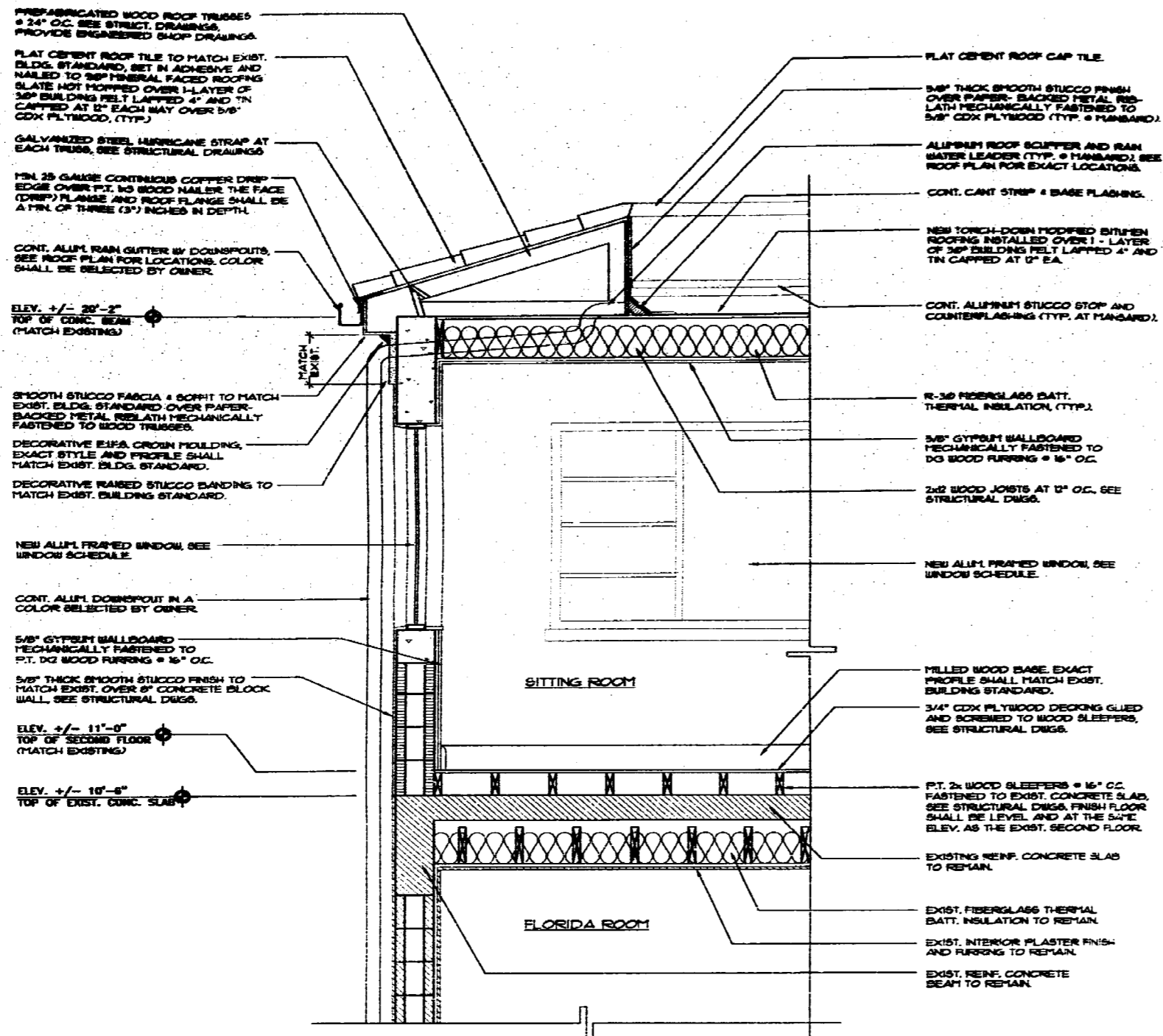
REVISIONS	No.
BUILDING DEPT. CITY OF MIAMI BEACH	1

30100 S.W. 27th St. Suite 1000, Miami, FL 33155
 (305) 832-5200
roger piper
 architect, inc.
 P.E. # 13039
 F.A.C.E.B. certified - e.l.c. associate

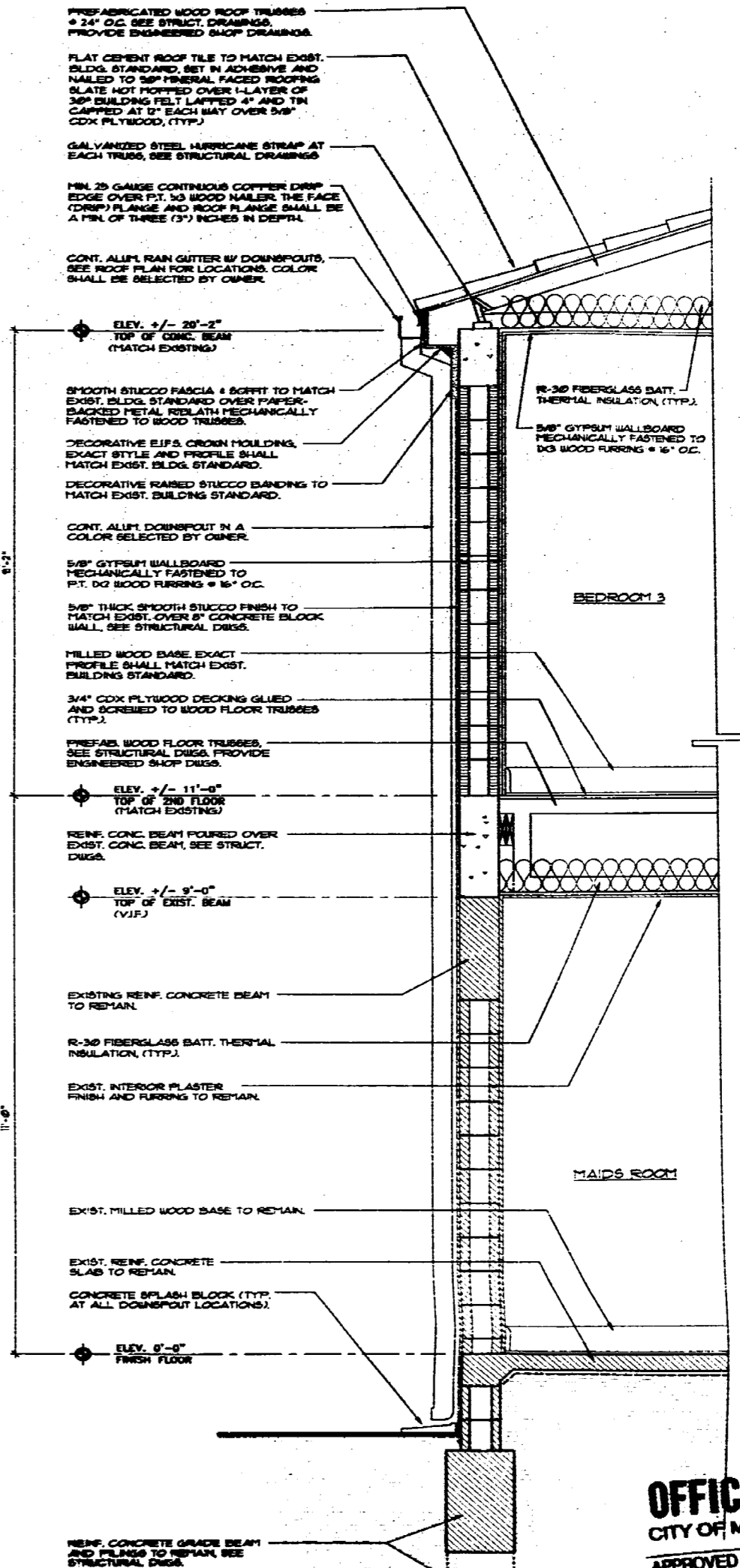
Roger Piper
 8/22/01

ALTERATIONS & ADDITIONS FOR:
MR. & MRS. ARIEL FURST
 800 LAKE VIEW DRIVE
 MIAMI BEACH, FLORIDA

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 CITY OF MIAMI BEACH
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 THE FOLLOWING:
[Signature]



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



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APPROVED FOR PERMIT BY
THE FOLLOWING:

30100 S.W. 27 AVENUE
MIAMI BEACH, FL 33135

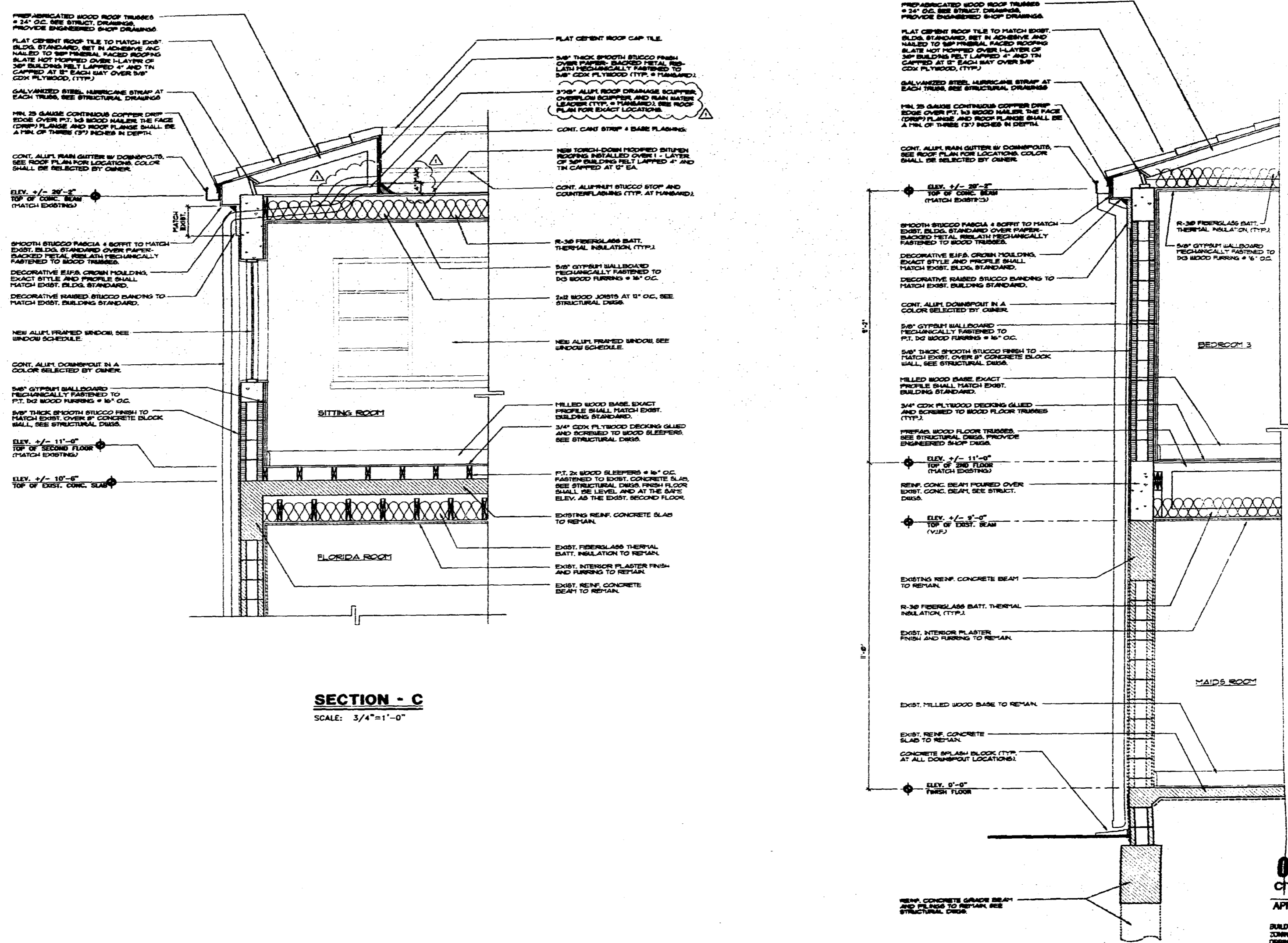
(305) 932-5200

roger piper
architect, inc.

REGISTERED PROFESSIONAL ARCHITECT
STATE OF FLORIDA, LICENSE NO. 13039

Roger Piper
8-12-01

**ALTERATIONS & ADDITIONS FOR:
MR. & MRS. ARIEL FURST**
800 LAKE VIEW DRIVE
MIAMI BEACH, FLORIDA



PRE-FABRICATED WOOD ROOF TRUSSES
24" O.C. SEE STRUCT. DRAWINGS.
PROVIDE ENGINEERED SHOP DRAWINGS.

FLAT CEMENT ROOF TILE TO MATCH EXIST.
BLDG. STANDARD, SET IN ADHESIVE AND
NAILED TO 5/8" METAL FACED ROOFING
SLATE NOT NIPPED OVER 1-LAYER OF
3/8" BUILDING FELT LAPPED 4" AND TN
CAPPED AT 1/2" EACH BAY OVER 5/8"
CDX PLYWOOD (TYP.)

GALVANIZED STEEL HURRICANE STRAP AT
EACH TRUSS, SEE STRUCTURAL DRAWINGS.

MIN. 26 GAUGE CONTINUOUS COPPER DRIP
EDGE OVER FIN. 1/2" WOOD NAILER, THE FACE
(DRIP) FLANGE AND ROOF FLANGE SHALL BE
A MIN. OF THREE (3") INCHES IN DEPTH.

CONT. ALUM. RAIN GUTTER BY DOWNSPOUTS.
SEE ROOF PLAN FOR LOCATIONS. COLOR
SHALL BE SELECTED BY OWNER.

ELEV. +/- 25'-2"
TOP OF CONC. BEAM
(MATCH EXIST.)

SMOOTH STUCCO FASCIA & SOFFIT TO MATCH
EXIST. BLDG. STANDARD OVER PAPER-
BACKED METAL RESLATH MECHANICALLY
FASTENED TO WOOD TRUSSES.

DECORATIVE EIFS CROWN MOLDINGS.
EXACT STYLE AND PROFILE SHALL
MATCH EXIST. BLDG. STANDARD.

DECORATIVE RAISED STUCCO BANDING TO
MATCH EXIST. BUILDING STANDARD.

NEW ALUM. FRAMED WINDOW, SEE
WINDOW SCHEDULE.

CONT. ALUM. DOWNSPOUT IN A
COLOR SELECTED BY OWNER.

5/8" GYPSUM WALLBOARD
MECHANICALLY FASTENED TO
P.T. 1/2" WOOD FURRING @ 16" O.C.

5/8" THICK SMOOTH STUCCO FINISH TO
MATCH EXIST. OVER 8" CONCRETE BLOCK
WALL, SEE STRUCTURAL DWGS.

ELEV. +/- 11'-0"
TOP OF SECOND FLOOR
(MATCH EXIST.)

ELEV. +/- 10'-6"
TOP OF EXIST. CONC. SLAB

FLAT CEMENT ROOF CAP TILE

5/8" THICK SMOOTH STUCCO FINISH
OVER PAPER- BACKED METAL RES-
LATH MECHANICALLY FASTENED TO
5/8" CDX PLYWOOD (TYP. # HANDED).

3/8" ALUM. ROOF DRAINAGE SCUPPER
OVERFLOW SCUPPER AND RAIN WATER
LEADER (TYP. # HANDED); SEE ROOF
PLAN FOR EXACT LOCATION.

CONT. CANT STRIP & BASE FLASHING.

NEW TORCH-DOWN MODIFIED BITUMEN
ROOFING INSTALLED OVER 1 - LAYER
OF 3/8" BUILDING FELT LAPPED 4" AND
TN CAPPED AT 1/2" EA.

CONT. ALUMINUM STUCCO STOP AND
COUNTERFLASHING (TYP. AT HANDED).

R-30 FIBERGLASS BATT.
THERMAL INSULATION (TYP.)

5/8" GYPSUM WALLBOARD
MECHANICALLY FASTENED TO
1/2" WOOD FURRING @ 16" O.C.

2x2 WOOD JOISTS @ 16" O.C. SEE
STRUCTURAL DWGS.

NEW ALUM. FRAMED WINDOW, SEE
WINDOW SCHEDULE.

HILLED WOOD BASE, EXACT
PROFILE SHALL MATCH EXIST.
BUILDING STANDARD.

3/4" CDX PLYWOOD DECKING GLUED
AND SCREWED TO WOOD SLEEPERS.
SEE STRUCTURAL DWGS.

P.T. 2x WOOD SLEEPERS @ 16" O.C.
FASTENED TO EXIST. CONCRETE SLAB.
SEE STRUCTURAL DWGS. FINISH FLOOR
SHALL BE LEVEL, AND AT THE SAME
ELEV. AS THE EXIST. SECOND FLOOR.

EXISTING REIN. CONCRETE SLAB
TO REMAIN.

EXIST. FIBERGLASS THERMAL
BATT. INSULATION TO REMAIN.

EXIST. INTERIOR PLASTER FINISH
AND FURRING TO REMAIN.

EXIST. REIN. CONCRETE
BEAM TO REMAIN.

PRE-FABRICATED WOOD ROOF TRUSSES
24" O.C. SEE STRUCT. DRAWINGS.
PROVIDE ENGINEERED SHOP DRAWINGS.

FLAT CEMENT ROOF TILE TO MATCH EXIST.
BLDG. STANDARD, SET IN ADHESIVE AND
NAILED TO 5/8" METAL FACED ROOFING
SLATE NOT NIPPED OVER 1-LAYER OF
3/8" BUILDING FELT LAPPED 4" AND TN
CAPPED AT 1/2" EACH BAY OVER 5/8"
CDX PLYWOOD (TYP.)

GALVANIZED STEEL HURRICANE STRAP AT
EACH TRUSS, SEE STRUCTURAL DRAWINGS.

MIN. 26 GAUGE CONTINUOUS COPPER DRIP
EDGE OVER FIN. 1/2" WOOD NAILER, THE FACE
(DRIP) FLANGE AND ROOF FLANGE SHALL BE
A MIN. OF THREE (3") INCHES IN DEPTH.

CONT. ALUM. RAIN GUTTER BY DOWNSPOUTS.
SEE ROOF PLAN FOR LOCATIONS. COLOR
SHALL BE SELECTED BY OWNER.

ELEV. +/- 25'-2"
TOP OF CONC. BEAM
(MATCH EXIST.)

SMOOTH STUCCO FASCIA & SOFFIT TO MATCH
EXIST. BLDG. STANDARD OVER PAPER-
BACKED METAL RESLATH MECHANICALLY
FASTENED TO WOOD TRUSSES.

DECORATIVE EIFS CROWN MOLDINGS.
EXACT STYLE AND PROFILE SHALL
MATCH EXIST. BLDG. STANDARD.

DECORATIVE RAISED STUCCO BANDING TO
MATCH EXIST. BUILDING STANDARD.

CONT. ALUM. DOWNSPOUT IN A
COLOR SELECTED BY OWNER.

5/8" GYPSUM WALLBOARD
MECHANICALLY FASTENED TO
P.T. 1/2" WOOD FURRING @ 16" O.C.

5/8" THICK SMOOTH STUCCO FINISH TO
MATCH EXIST. OVER 8" CONCRETE BLOCK
WALL, SEE STRUCTURAL DWGS.

HILLED WOOD BASE, EXACT
PROFILE SHALL MATCH EXIST.
BUILDING STANDARD.

3/4" CDX PLYWOOD DECKING GLUED
AND SCREWED TO WOOD TRUSSES
(TYP.)

PRE-FAB. WOOD FLOOR TRUSSES.
SEE STRUCTURAL DWGS. PROVIDE
ENGINEERED SHOP DWGS.

ELEV. +/- 11'-0"
TOP OF 2ND FLOOR
(MATCH EXIST.)

REIN. CONC. BEAM POURED OVER
EXIST. CONC. BEAM, SEE STRUCT.
DWGS.

ELEV. +/- 9'-0"
TOP OF EXIST. BEAM
(V.I.F.)

EXISTING REIN. CONCRETE BEAM
TO REMAIN.

R-30 FIBERGLASS BATT. THERMAL
INSULATION (TYP.)

EXIST. INTERIOR PLASTER
FINISH AND FURRING TO REMAIN.

EXIST. HILLED WOOD BASE TO REMAIN.

EXIST. REIN. CONCRETE
SLAB TO REMAIN.

CONCRETE SPLASH BLOCK (TYP.
AT ALL DOWNSPOUT LOCATIONS).

ELEV. 0'-0"
FINISH FLOOR

NEW. CONCRETE GRADE BEAM
AND PILING TO REMAIN, SEE
STRUCTURAL DWGS.

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

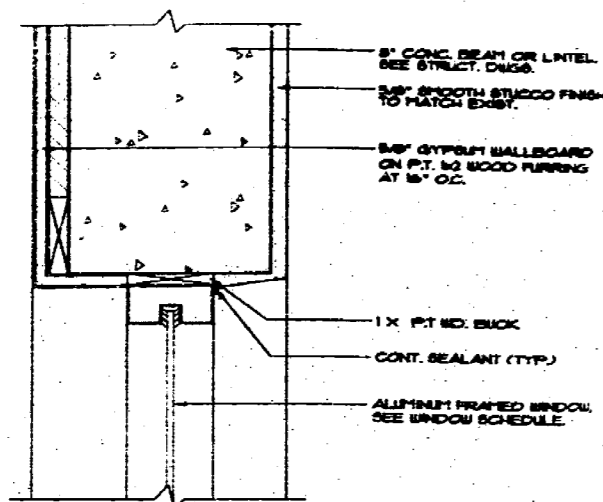
(305) 932-5200
roger piper
 architect, inc.
 of 1308
Roger Piper
 07-14-01
 N.S.A.C. certified - a.i.a. associate

ALTERATIONS & ADDITIONS FOR:
MR. & MRS. ARIEL FURST
 800 LAKE VIEW DRIVE
 MIAMI BEACH, FLORIDA

OFFICE COPY
 CITY OF MIAMI BEACH

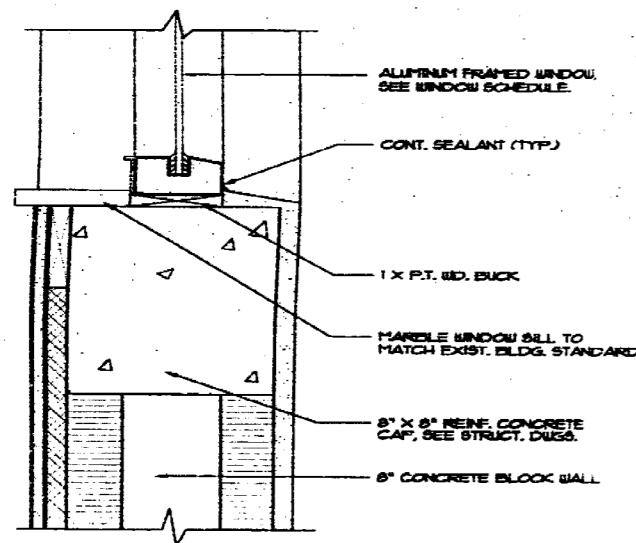
APPROVED FOR PERMIT BY
 THE FOLLOWING:
 BUILDING: _____
 ZONING: _____
 DRAWING: _____

D.N.
 SHEET NO.
 R.P.



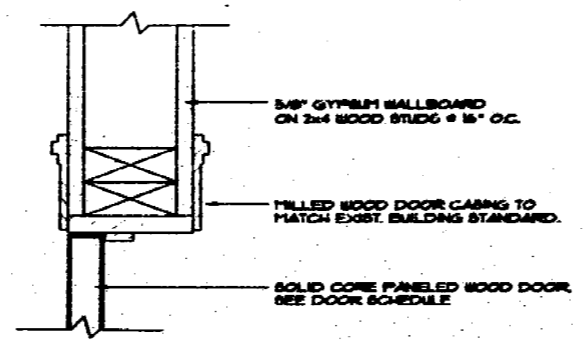
WINDOW HEAD/JAMB DETAIL

SCALE: 3" = 1'-0"



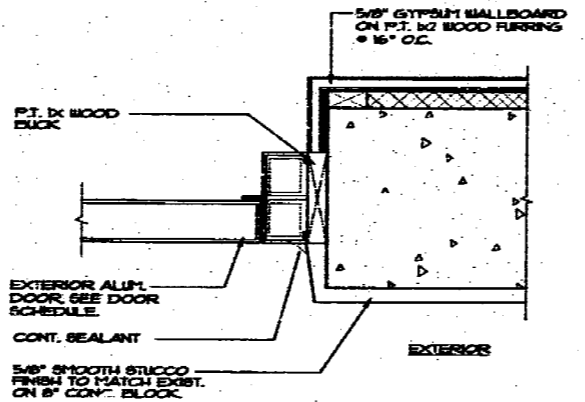
WINDOW SILL DETAIL

SCALE: 3" = 1'-0"



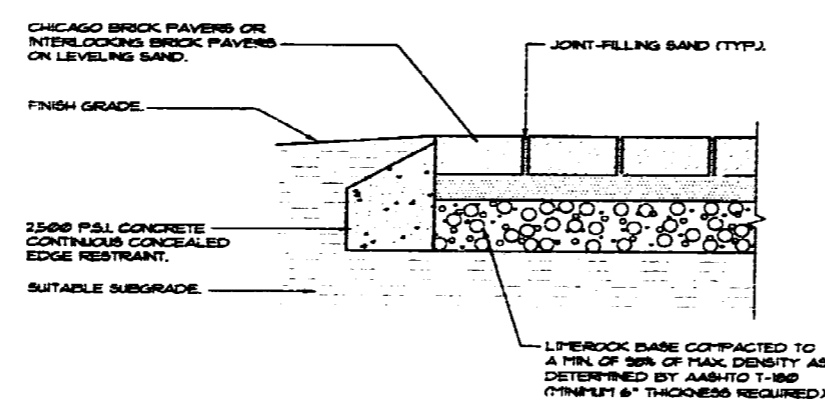
INT. DOOR JAMB DETAIL

SCALE: 3" = 1'-0"



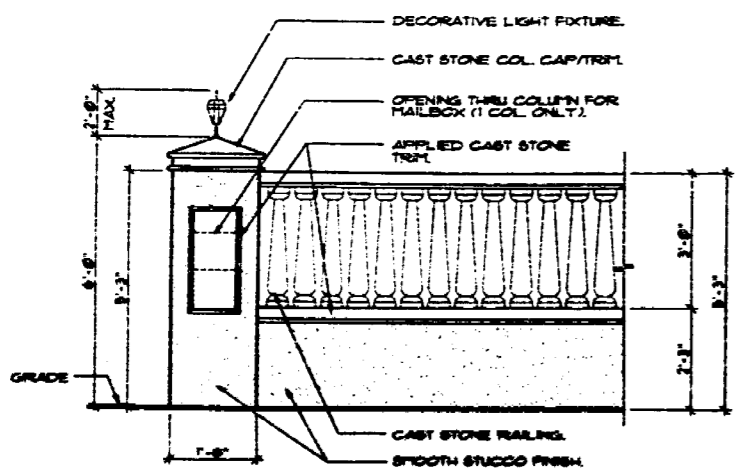
ALUM. DOOR JAMB DETAIL

SCALE: 3" = 1'-0"



PAVER DETAIL

SCALE: 1 1/2" = 1'-0"



DOOR SCHEDULE									
MARK	SIZE (W x H x TH.)	TYPE	FRAME	DR. MATERIAL	THRESHOLD	HARDWARE	MANUF. / REMARKS	WIND PRESSURE	
1	2'-0" x 6'-0" x 1 3/4"	PANELED	ALUM.	ALUMINUM	ALUM.	LOCKSET / DEADBOLT	IMBILATED DOOR	+48.0 / -64.0	
2	6'-0" x 6'-0" x 1 3/4"	SLIDING	ALUM.	GLASS/ALUM.	ALUM.	LOCKSET / FLUSHBOLT	DIVIDED LITES/SIDELITES	+48.0 / -51.0	
3	2'-0" x 6'-0" x 1 3/4"	PANELED	WOOD	SOLID CORE WD.	-	PASSAGE			
4	(2) 2'-0" x 6'-0" x 1 3/4"	FRENCH	WOOD	GLASS/WOOD	-	PRIVACY/FLUSHBOLT	DIVIDED LITES		
5	2'-0" x 6'-0" x 1 3/4"	PANELED	WOOD	SOLID CORE WD.	-	PASSAGE			
6	2'-0" x 6'-0" x 1 3/4"	LOUVERED	WOOD	SOLID CORE WD.	-	PASSAGE			
7	2'-0" x 6'-0" x 1 3/4"	PANELED	WOOD	SOLID CORE WD.	-	PASSAGE			
8	2'-0" x 6'-0" x 1 3/4"	PANELED	WOOD	SOLID CORE WD.	MARBLE	PRIVACY			
9	2'-0" x 6'-0" x 1 3/4"	PANELED	WOOD	SOLID CORE WD.	-	PRIVACY			
10	2'-0" x 6'-0" x 1 3/4"	PANELED	WOOD	SOLID CORE WD.	-	PRIVACY			
11	2'-0" x 6'-0" x 1 3/4"	PANELED	WOOD	SOLID CORE WD.	-	PASSAGE			
12	2'-0" x 6'-0" x 1 3/4"	PANELED	WOOD	SOLID CORE WD.	MARBLE	PRIVACY			
13	(2) 3'-0" x 6'-0" x 1 3/4"	PANELED	WOOD	SOLID CORE WD.	-	PASSAGE			
14	2'-0" x 6'-0" x 1 3/4"	PANELED	WOOD	SOLID CORE WD.	-	PASSAGE			
15	3'-0" x 6'-0" x 1 3/4"	FRENCH	ALUM.	GLASS/ALUM.	ALUM.	LOCKSET / DEADBOLT	DIVIDED LITES	+48.0 / -64.0	

- NOTES:**
1. ALL FRAMES SHALL BE SEALED WITH CONTINUOUS EXTERIOR CAULKING TO FRAMING BUCKS & MASONRY OPENING.
 2. PROVIDE CURRENT DADE COUNTY PRODUCT APPROVALS FOR ALL EXTERIOR DOORS.
 3. ALL PANELED WOOD DOOR STYLE SHALL MATCH EXIST. BUILDING STANDARD.
 4. ALL EXTERIOR DOORS SPECIFIED SHALL BE INSTALLED UNDER SEPERATE PERMIT.
 5. ALL GLASS FOR DOORS, TRANSOMS, & SIDELITES SHALL BE IMPACT RESISTANT, LAMINATED GLASS.
 6. ALL DOOR HARDWARE SHALL BE SELECTED BY THE OWNER (ALLOWANCE: \$80-/DOOR)
 7. CONTRACTOR SHALL FIELD VERIFY ROUGH OPENING SIZES PRIOR TO ORDERING.
 8. ALL DOORS SHALL RECEIVE PAINT GRADE, MILLED WOOD CASING TO MATCH EXIST. BUILDING STANDARD.
 9. MATCH EXISTING FRENCH DOOR MUNTIN PATTERN. APPLIED MUNTINS MUST BE ON BOTH SIDES OF GLASS.

WINDOW SCHEDULE										
MARK	CODE	SIZE (WxH)	TYPE	FRAME MATERIAL	FRAME FINISH	GLAZING	SILL	TINT	MANUF. / REMARKS	WIND PRESSURE
A	33	53 1/8"x58 3/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
B	23	37" x 38 3/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -70.0
C	34	53 18"x50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
D	34	53 18"x50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
E	24	37" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
F	24	37" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
G	2-24	74" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORP./EGRESS	+51.0 / -54.3
H	2-24	74" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORP./EGRESS	+51.0 / -54.3
I	24	37" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -70.0
J	24	37" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
K	2-24	74" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORP./EGRESS	+51.0 / -54.3
L	CUSTOM	74" x 50 5/8"	FIXED	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
M	(2) 1/2-34 CUSTOM	26 1/2"x50 5/8" 53 1/8"x50 5/8"	CASEMENT/ FIXED	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3

- NOTES:**
1. ALL WINDOW FRAMES SHALL BE SEALED WITH CONTINUOUS EXTERIOR SEALANT TO FRAMING BUCKS & MASONRY OPENING.
 2. PROVIDE CURRENT DADE COUNTY PRODUCT APPROVALS FOR ALL WINDOWS SCHEDULED.
 3. SECOND MEANS OF EGRESS SHALL COMPLY WITH NFPA 101-22-212 AND SHALL HAVE A CLEAR MIN. OPENING OF NOT LESS THAN 5.7 SQ. FT. (MIN. 20"W x 24"H). THE BOTTOM OF THE WINDOW OPENING SHALL NOT BE MORE THAN 44" FROM THE FIN. FLOOR.
 4. ALL WINDOWS SPECIFIED SHALL BE IMPACT RESISTANT, LAMINATED GLASS.
 5. ALL WINDOWS SPECIFIED SHALL BE INSTALLED UNDER SEPERATE PERMIT.
 6. ALL WINDOWS SHALL RECEIVE APPLIED MUNTIN ON BOTH SIDES OF GLASS TO MATCH EXIST. BLDG. STANDARD.
 7. CONTRACTOR SHALL FIELD VERIFY ROUGH OPENING SIZES PRIOR TO ORDERING.
 8. MATCH EXISTING WINDOW MUNTIN PATTERN. APPLIED MUNTINS MUST BE ON BOTH SIDES OF GLASS.

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:
BUILDING

GENERAL STRUCTURAL NOTES

- 01000 CODES:**
All work shall conform to the South Florida Building Code, 1994 edition, and all other applicable local codes.
- 01001 DESIGN CRITERIA:**
- a. Roof Loads:
 - Live Load: _____ 20 psf for roofs sloped greater than 1.5:12
 - Dead Load: _____ 30 psf for flat roofs
 - b. Second Floor and balcony loads:
 - Floor Live Load: _____ 40 psf
 - Balcony Live Load: _____ 60 psf
 - Superimposed Dead Load: _____ 15 psf
 - c. Wind Loads: In accordance with ASCE 7-88 [Building category I, 110 mph wind speed; exposure C; for components and cladding, exposure D for main wind force resisting systems, and importance factor I = 1.05]. See calculations and roof plan(s) for additional information.

- 01002 ELEVATION DATUM:**
All elevations on these structural drawings refer to 0'-0" = finish ground floor (See architectural drawings for M.G.V.D.)
- 01003 DIMENSIONS AND CONDITIONS:**
All dimensions and conditions shall be verified by the contractor in the field prior to construction. Any discrepancies shall be brought to the immediate attention of the Architect. Written dimensions take precedence over scale at all times. Scale is for guidance purposes only. If dimensions are unclear, do not scale. Request clarification from the Architect or Engineer.

- 01004 METHODS & SAFETY:**
The contractor shall be responsible for all methods, procedures, and sequences of construction. Construction site safety, including all adequate temporary bracing and shoring, is the sole responsibility of the contractor.

- 01005 PROTECTION OF EXISTING CONSTRUCTION:**
Existing construction, which is to remain, the property of adjacent buildings and public property shall not be damaged. Contractor shall locate and protect concealed pipes and conduits prior to demolition and take appropriate action to protect them and to provide for safety.

- 01006 CONSTRUCTION LOADS:**
It is the responsibility of the contractor to employ the necessary professional services to determine the necessary methods and supports regarding forming and construction loads.

- 01007 CONFLICTS IN DOCUMENTS:**
If conflicts occur in or between architectural and engineering documents, between documents and field conditions or otherwise, the contractor shall immediately contact the Architect for clarification and direction before proceeding. The contractor shall coordinate all dimensions between architectural and structural drawings prior to proceeding with the work.

- 01008 COORDINATION:**
The contractor shall coordinate the structural work with the work of all other trades.

- 01009 MANDATORY INSPECTIONS:**
The contractor shall assure that the "Mandatory Inspections" as required by the S.F.B.C. are performed by both the municipal inspector and the inspecting engineer, and that the work is accepted prior to continuing with subsequent work.

- 01010 SHOP DRAWINGS:**
- a. The contractor shall submit to the architect complete shop drawings as required by these notes.
 - b. Review and approval of shop drawings is for the design concept only. The contractor shall check and approve the shop drawings for compliance and completeness before submitting. Approval by the engineer or architect is not for the purpose of approving changes or substitutions. The contractor shall be responsible for all dimensions, quantities, job conditions, and coordination with all documents and other trades.

- 02000 POLYETHYLENE SHEET:**
Polyethylene sheet, placed continuously under concrete slabs and beams placed on ground shall be minimum 6 mil. thick. All joints shall be taped minimum 12 inches and continuously taped with minimum of two-inch wide vinyl tape. Polyethylene sheet shall extend one inch on to pile/slab wall.

- 02300 SOILS:**
- a. Information about the soils on this site is presented in a report prepared by Dynatrac Engineering Corp., dated August 22, 2000. The contractor shall review this report and follow its recommendations unless otherwise indicated in these drawings.
 - b. According to the above referenced report, the soils at the boring locations consist of surface layers of topsoil, over tan beach sand, over gray silt, over peat, over gray beach sand, over tan sandy limonite to the end of the boring approximately 25'-0" finish ground.

- 02301 SOILS PREPARATION & ALLOWABLE BEARING:**
- a. All areas of new construction shall be stripped of existing construction to be removed, plant, top soil and other deleterious material. Where required, the existing soil shall be excavated to the bottom of proposed slab or footing elevation. The contractor shall visually inspect the entire building area. If soils different from those indicated above are encountered, notify engineer for direction. The entire area, plus a three foot perimeter, shall be thoroughly compacted by at least eight passes of a vibrating plate compactor to achieve a minimum of 95 percent of maximum density as determined in accordance with ASTM D1557. Where required, crushed limonite fill (no rocks greater than 2 inches) shall be placed. Excavated material may be used if free of organic, muck or other deleterious materials. Fill shall be placed in maximum eight-inch lifts. Each lift shall be compacted to a minimum of 95 percent.

- 02456 PIN PILES:**
- a. Piles: piles shall be 3" diameter extra strong pipe (3.5" o.d. and 0.30" wall thickness). Pipe shall be cased at the leading point. Steel shall conform to the requirements of ASTM A53, Type E or S with $f_y(\min) = 35ksi$. Pipes shall be in sections as long as practical. Splices shall be made with full penetration butt welds all around or with sleeves, filed welded all around top and bottom. All pipes shall be filled with concrete grout after driving. Each pile shall be reinforced with 1#6 bar for the full length of the pile. Reinforcement shall be hooked into concrete member above pile. Bearing brackets shall be fabricated as indicated in these drawings using ASTM A36 steel and E70XX welding rods.
 - b. Pile driving: piles shall be driven to end bearing within the "tan sandy limonite". Driving shall continue in this rock to obtain a minimum allowable capacity of 5 tons. This capacity shall be assumed to be achieved when the pile is driven into the rock layer and when its penetration does not exceed 1.0" per minute for three minutes when driven by a 90-pound pneumatic hammer.
 - c. Inspection: all pile driving shall be monitored by an inspector as required by paragraph 2405.1(c) of the S.F.B.C.
 - d. Load test: a minimum of one pile shall be load-tested in accordance with article 2405.9 of S.F.B.C. and ASTM D1143-69, as amended.
 - e. All pin piles shall be hot-dipped galvanized in accordance with ASTM A123.

- 02466 AUGERCAST PILES:**
- a. Piles: piles shall be 14-inch diameter augercast piles. At piles shall extend at least two feet into the "white sandy limonite", an approximate depth of 25 feet from existing grade. Piles shall be reinforced with #46 vertical and #3 ties at 12" on center for the full length of pile. Spacers shall be installed to assure proper placement of reinforcement. Augering and casting of concrete shall be conducted in a manner that assures a minimum 14-inch diameter cross section at all points and a pile free of voids. An average grout factor of 1.5 should be achieved. If grout pumping and/or auger retrieval operations are stopped at any time during the formation of a pile, the borehole shall be reaugered and the pile reformed. If the concrete level drops at any time, the pile shall be rejected and replaced. Concrete samples shall be taken at the time of concrete placement and compression tested at 28 days. The average of all tests shall exceed 4000 psi with no one test falling below 3800 psi. The contractor shall employ a geotechnical engineer who will certify the piles for an allowable compression capacity of 35 tons (17 ton tension capacity).
 - b. Inspection: all augercast pile installation shall be monitored by an inspector as required by paragraph 2405.1(c) of the S.F.B.C.

- 03300 CONCRETE (CAST-IN-PLACE):**
- a. Standards: ACI 318, ACI 301 and ACI 347.
 - b. All concrete shall be proportioned to obtain a minimum compressive strength of 3000 psi at 28 days. Slump shall be 4" (+1") and no water shall be added to the concrete at the site. Maximum water content shall be 33 gallons per cubic yard. Concrete for areas, which will remain exposed to weather after construction, shall have 3 to 5 percent entrained air.
 - c. The contractor shall contract an independent testing laboratory to perform the concrete cylinder tests as required by section 2505.2 of the south Florida building code.
 - d. Contractor shall provide all forming and temporary shoring.
 - e. No pipes or conduits exceeding 1/3 the slab thickness in outside diameter shall be embedded in the concrete unless approved by the engineer. Where pipes or conduits are permitted, they shall be placed no closer than three diameters on center, and shall be located so as not to impair the strength of the structure.
 - f. Reinforcement: ASTM A615, grade 60, ASTM A186 for welded wire fabric. Splice all column bars to develop minimum 30 bar diameters (u.o.n.). Splice #5 bars in grouted cells a minimum of 30 inches.
 - g. Concrete cover over reinforcement:
 - 1. 3-inches where cast against earth.
 - 2. 2-inches for columns and beams and 1-1/2 inches for slabs where cast in forms or on polyethylene sheet and permanently exposed to weather or earth.
 - 3. 1-1/2 inches at all other locations (u.o.n.).
 - h. Saw-cut control joints shall be made within twelve hours of concrete placement.

- 04420 REINFORCED MASONRY:**
- a. Hollow concrete masonry shall comply with ASTM C90 "Standard Specifications for Hollow Load Bearing Concrete Masonry Units."
 - b. Mortar shall comply with ASTM C270, type M or S.
 - c. Reinforcement bars shall comply with ASTM A615, grade 60.
 - d. All reinforced CMU walls shall have galvanized steel horizontal joint reinforcement (standard no. 9, ladder type) at every other course. Extend reinforcement minimum 4-inches into all columns.
 - e. Grout shall be 3000 psi concrete grout conforming to the requirements of ASTM C476. Slump shall be 9" (+1").
 - f. Reinforced masonry shall comply with the requirements of section 2705 of the S.F.B.C. and ACI 530.
 - g. Reinforced concrete prism strength shall be $f'_m = 1,350$ psi, and shall be verified by tests in accordance with section 2705.4 of the S.F.B.C.
 - h. Lap splice reinforcement in grout-filled cells minimum 48-bar diameters (minimum 12-inches).
 - i. Whenever anchor bolts are to be set in masonry, two adjacent cells shall be filled with concrete grout.
 - j. Lintels: any CMU wall openings, which are not otherwise framed with concrete, shall have 6" x 8" concrete lintels with #25 bottom. Extend reinforcement minimum 6" past opening and cast lintel with minimum 6" bearing on adjacent column or reinforced cell. Equivalent Cast-Crete lintels are acceptable (submit shop drawings).
 - k. Sills: unless otherwise framed in concrete, provide 6" x 8" concrete (formed or bond-beam block) with #25 mid-depth of all sills. Extend reinforcement minimum 6" into adjacent column or reinforced cell. Equivalent Cast-Crete sills are acceptable (submit shop drawings).

- 05120 STRUCTURAL STEEL:**
- a. Materials:
 - 1. Structural tubing: ASTM A500, grade B.
 - 2. All other structural steel: ASTM A36.
 - 3. Anchor bolts: ASTM A307.
 - 4. All other bolts: ASTM A325.
 - b. Standards:
 - 1. AISC "Specifications for the design, fabrication and erection of structural steel buildings."
 - 2. AWS D1-1, E-70 series electrodes.
 - c. Connections: any structural steel connections which are not detailed on these drawings shall be designed in accordance with AISC specifications.
 - d. Corrosion control: all structural steel, shall be shop primed with rust-inhibitive primer. Primer shall be touched up after erection (unless otherwise noted).

- 05500 FASTENERS:**
- a. Fasteners shall be of the type and size indicated on this drawing.
 - b. All fasteners, including expansion anchors, sleeve anchors, straps, nails, screws, etc. shall be galvanized.

- 06100 STRUCTURAL LUMBER:**
- a. All structural lumber shall be southern pine, minimum grade no. 2.
 - b. Minimum allowable bending stress (fb):
 - 1. 2x4: 1500 psi
 - 2. 2x6: 1250 psi
 - 3. 2x8: 1200 psi
 - 4. 2x10: 1050 psi
 - 5. 2x12: 975 psi
 - c. All lumber in contact with concrete or masonry or permanently exposed to weather shall be pressure preservative treated (P.P.T.).

- 06110 PLYWOOD ROOF SHEATHING:**
- a. Plywood roof sheathing shall be 5/8" (15/32"), exterior grade, sheathing, with 32/16 APA span rating.
 - b. Lay panels, continuous over two or more spans and with face grain perpendicular to primary framing members. End joints shall occur at center of primary framing member with both panels fastened to it. End joints shall be staggered.
 - c. Fasten plywood roof sheathing panels to all supporting members using 10d nails. Nail spacing shall be 6-inches on center at panel perimeter and 8-inches on center at intermediate supports.
 - d. Soffit sheathing shall be 1/2", exterior grade, APA rated sheathing. Fasten with 8d nails at 6" on center at all supports.

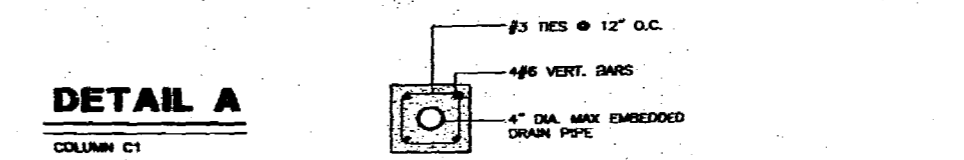
- 06176 PREFABRICATED WOOD TRUSSES AND GIRDERS:**
Truss manufacturer is responsible for the design and fabrication of trusses, girders and their connections to each other. Design of bracing for individual trusses or girder members to resist lateral loading under gravity or wind loads is the responsibility of the truss manufacturer. Prefabricated wood trusses and girders shall be designed, fabricated and erected in accordance with the S.F.B.C. for the loads indicated above. Trusses and girders shall be designed by a Florida registered engineer. Complete calculations and shop drawings shall be signed and sealed by the specialty engineer and submitted to the engineer-of-record for review. Review by the engineer-of-record will be for compliance with design concept only.

- 06120 PLYWOOD SUBFLOOR SHEATHING:**
- a. Use 3/4" (19/32") plywood sub-floor sheathing with 48/24 APA span rating.
 - b. Lay plywood panels continuous over two or more spans and with face grain perpendicular to the joists. End joints shall occur at center of joist with both panels fastened to joist. End joints shall be staggered. Hold edge of panels 1/2" away from masonry walls.
 - c. Fasten plywood sub-floor panels to supporting joists (and sub-joists if applicable) with 10d common nails at 6-inches on center maximum at all supports.
 - d. Provide a continuous bead of construction adhesive between joists and sheathing.

COLUMN SCHEDULE					
MARK	SIZE	REINFORCEMENT		REMARKS	
		VERTICAL	TIES		
FC1	6" x 6"	1#5	NONE	FILLED CELL	
FC2	6" x 6"	2#5	NONE	CONC. COL. IN LIEU OF FILLED CELL	
SC1	6" x 6"	2#5	NONE	STARTER COLUMN	
TC1	6" x 12"	4#5	#3 @ 12" O.C.	TE COLUMN	
TC2	6" x 12"	4#5	#3 @ 8" O.C.	TE COLUMN	
TC3	6" x 12"	4#5	#3 @ 8" O.C.	TE COLUMN	
TC3	6" x 22"	6#5	#3 ties and helix at 12" o.c.	TE COLUMN	
C1	12" x 12"	4#6	#3 @ 12" O.C.	SEE DETAIL A/S-1 BELOW	

COLUMN NOTES:

- HOOKED DOWELS, SAME SIZE AND NUMBER AS VERTICAL REINFORCEMENT, SHALL BE EMBEDDED TO BOTTOM OF FOOTING BELOW AND SHALL LAP MINIMUM 30 BAR DIAMETERS WITH VERTICAL REINFORCEMENT IN COLUMNS.
- HOOK ALL VERTICAL COLUMN REINFORCEMENT AT TOP.
- WHERE COLUMNS BEGIN FROM EXISTING CONSTRUCTION, DRILL 6" INTO EXISTING CONCRETE ABOVE AND BELOW AND SET 2#6 x 3'-0" DOWELS FOR TC's AND 1#5 x 3'-0" DOWELS FOR FC's AND SC's.
- COORDINATE ALL MASONRY OPENINGS WITH ARCHITECTURAL DRAWINGS.



BEAM SCHEDULE						
MARK	SIZE (INCHES)	REINFORCEMENT			STIRRUPS	REMARKS
		TOP	INT.	BOTT.		
TB-1	6" x 12"	2#5	---	2#5	4#3 @ 12" @ E.E. BAL. AT 48" O.C.	TE BEAM PROVIDE L-1 OVER OPENINGS UP TO 5'-0"
TB-2	6" x 24"	2#5	2#5	2#6	#3 @ 10" O.C.	TE BEAM
TB-3	6" x 24"	2#5	2#5	2#6	#3 @ 10" O.C.	TE BEAM
ZB-1	16" x 23"±	4#5	2#5	4#6	#3 @ 6" O.C.	
ZB-2	8" x 30"	2#5	2#5	2#6	#3 @ 12" O.C.	
ZB-3	6" x 12"	2#5	---	2#5	4#3 @ 12" @ E.E. BAL. AT 48" O.C.	SECOND FLOOR LEVEL. TE BEAM L-1 OVER OPENINGS UP TO 5'-0"
ZB-4	6" x 24"	2#5	2#5	2#6	#3 @ 10" O.C.	
ZB-5	6" x 12"	2#5	---	2#5	#3 @ 12" O.C.	
ZB-6	6" x 30" (*)	2#5	2#5	2#7	#3 @ 12" o.c.	(*) Drop down 20" between o/c openings. See section 14/S-9 for o/c information.
ZB-7	6" x 24" (*)	2#5	2#5	2#5	#3 @ 10" o.c.	Secondary pour over existing beam. (*) Verify depth in-field.
ZB-8	16" x 18"	5#5	2#5	5#7	#3 @ 6" O.C.	
GB-1	14" x 24"	3#6	2#4	3#6	#3 @ 10" O.C.	GRADE BEAM
GB-2	14" x 24"	3#6	2#4	3#6	#3 @ 10" O.C.	GRADE BEAM
L-1	6" x 8"	---	---	2#5	---	UNTEL SEE NOTE 04420

- BEAM NOTES:**
- AT ALL BEAM CORNERS AND INTERSECTIONS, PROVIDE 2#5 L-SHAPED CORNER BARS WITH 30-INCH LONG LEGS AT TOP AND BOTTOM.
 - HOOK ALL TOP BARS AT ENDS.
 - ALL TOP AND BOTTOM BARS SHALL BE CONTINUOUS. WHERE NECESSARY, LAP SPICE TOP BARS IN MIDDLE THIRD OF SPAN AND LAP SPICE BOTTOM BARS AT SUPPORTS. LAP SPICE SHALL BE MINIMUM 36-INCHES.
 - COORDINATE ALL MASONRY OPENINGS WITH ARCHITECTURAL DRAWINGS.
 - WHERE GRADE BEAMS FRAME INTO EXIST. CONSTRUCTION, DRILL 6" AND SET 3#6 x 3'-6" DOWELS IN EPOXY ADHESIVE.

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CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

ALTERATIONS & ADDITIONS FOR
MR. & MRS. FURST
800 LAKE VIEW DRIVE
MIAMI BEACH, FLORIDA

DRAWN BY: R.M.
CHECKED BY: J.A.T.

30100 A.S. 21
30100 B.S. 21
30100 C.S. 21
30100 D.S. 21

roger piper architect, inc.
REGISTERED PROFESSIONAL ARCHITECT
STATE OF FLORIDA
NO. 12389

(305) 932-9200

STRUCTURAL DRAWING NOTES
EXISTING CONDITIONS

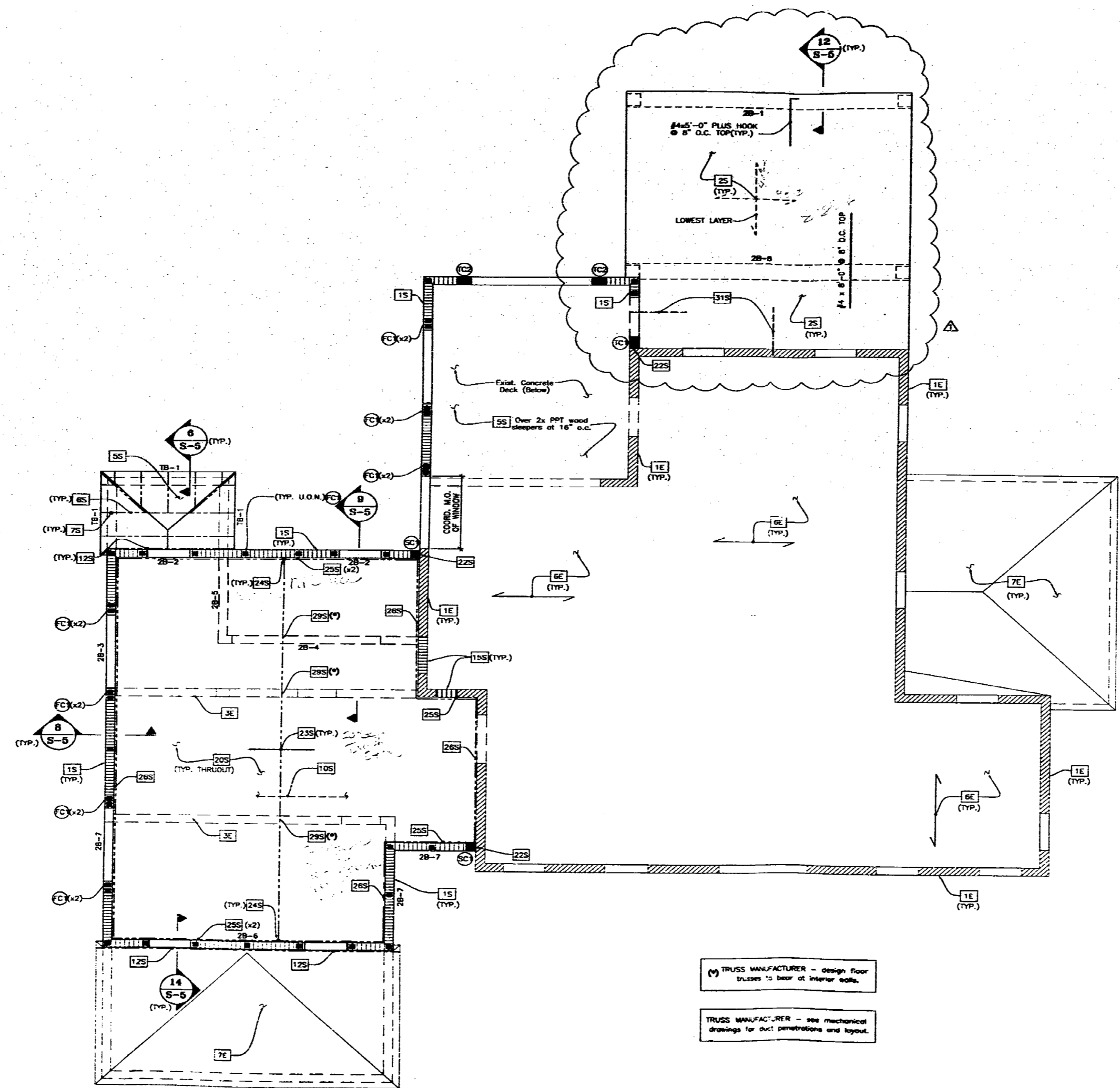
NOTED THUSLY ON DRAWINGS **XE**
Contractor shall verify all existing conditions in the field. All discrepancies shall be reported before proceeding with the work.
Drawing Notes - Existing Conditions

- 1E Existing 8" CMU bearing wall.
- 2E Existing reinforced concrete grade beam.
- 3E Existing concrete tie beam.
- 4E Existing concrete slab on ground (V.I.F.).
- 5E Existing concrete tie column (V.I.F.).
- 6E Existing wood frames second floor structure (V.I.F.).
- 7E Existing wood framed roof structure.
- 8E Existing 8" deep precast concrete joists.
- 9E Existing reinforced concrete slab.
- 10E Existing reinforced concrete pile.

STRUCTURAL DRAWING NOTES

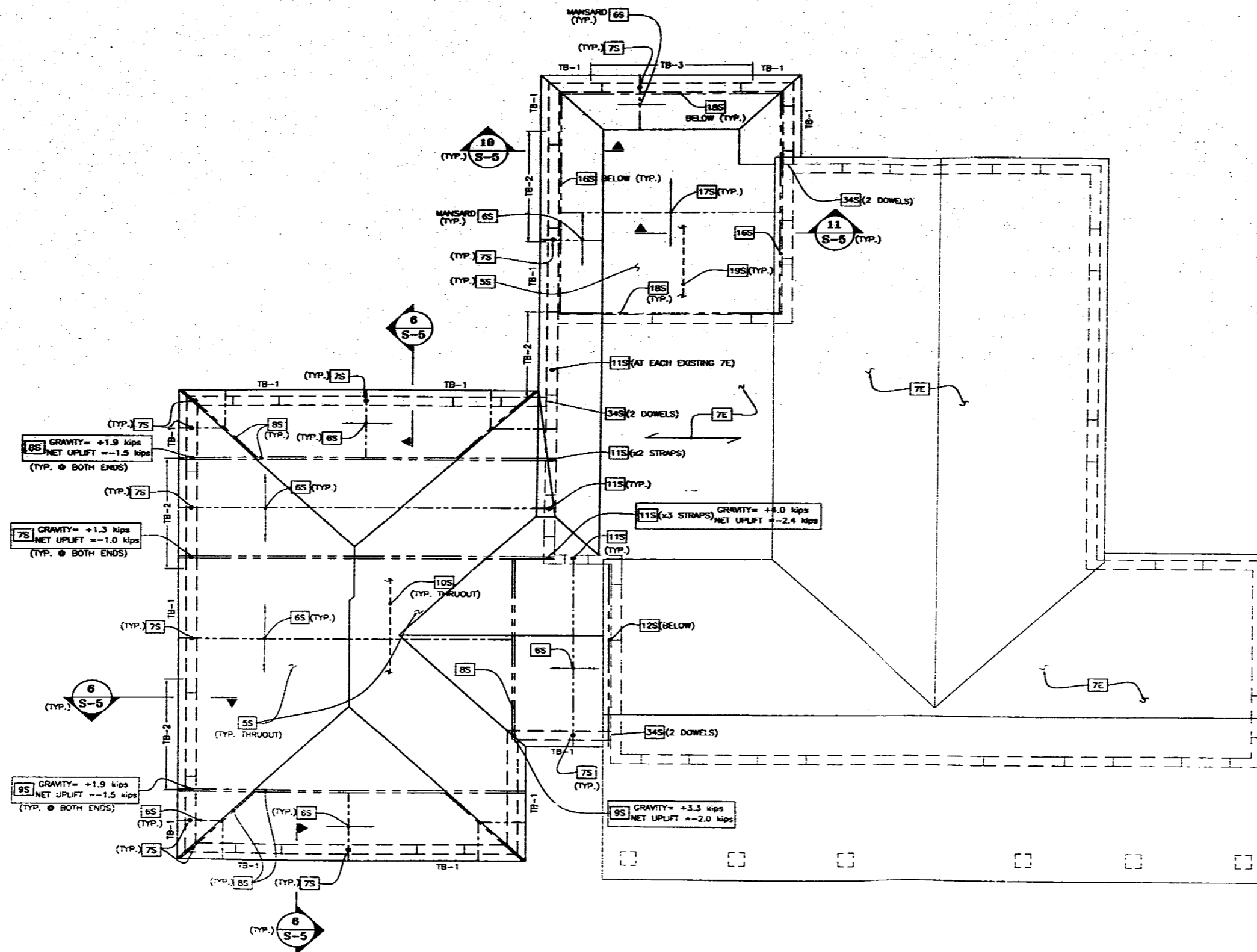
NOTED THUSLY ON DRAWINGS **XS**

- 15 8" CMU bearing wall with horizontal joint reinforcement at every other course and #5 in grout filled cells at ends of wall, corners, intersections and at 48" on center between.
- 25 8" thick concrete slab with #4 @ 8" on center short way bottom (lowest layer), and #4 @ 12" on center transverse bottom.
- 35 1/2" thick compressible joint filler. Caulk joint after placement of slab.
- 45 Continuous polyethylene sheet (see "General Structural Notes" No. 02000).
- 55 Plywood roof sheathing. See "General Structural Notes" No. 06110 for additional information.
- 65 Prefabricated wood trusses at 2'-0" on center (see "General Structural Notes" No. 06176).
- 75 Fasten typical wood truss/joint to tie beam with Hughes DTC truss anchor (N.O.A. no. 98-0717.03) with (9) 10d nails into joist thru strap and (4) 10d nails thru seat.
- 85 Prefabricated wood truss girder (see "General Structural Notes" No. 06176).
- 95 Fasten typical prefab truss girder to tie beam with Hughes DTC truss anchor (N.O.A. no. 98-0717.03) with (9) 10d nails into joist thru strap and (4) 10d nails thru seat and (1) Hughes T118 embedded truss anchor (N.O.A. no. 97-0507.01) with (7) 10d nails into side of member.
- 105 1 x 3 wood furring strips perpendicular to prefab trusses/girders at 16" o.c. Fasten to bottom of bottom chord with (2) 8d nails.
- 115 Hughes RT18 rafter tie (N.O.A. no. 97-0507.01) with (7) 16d nails into side of member and (3) 1/4" diameter Tapcons into side of existing beam.
- 125 2x6 PPT wood nailer with 1/4" diam. Tapcons @ 12" o.c.
- 135 Drill 4" into top of existing tie beam at 24" on center and set #5 hooked dowels in epoxy adhesive.
- 145 14" diameter concrete auger cast pile. See "General Structural Notes" no. 02466.
- 155 8" CMU in-fill with horizontal joint reinforcement at every other course. Anchor to existing concrete/CMU with 1" wide x 16 gage corrugated galvanized steel masonry anchors embedded in masonry joints at 16" on center. Fasten masonry anchors to existing concrete/masonry with 3/16" diameter Tapcon with minimum 1" embedment.
- 165 2 x 12 P.P.T. continuous wood ledger, fastened with 3/4" diameter Hilti Kwik bolts 12" on center.
- 175 2 x 12 wood joists at 12" on center. Fasten at interior end with Hughes UH26 Face Mount Hanger (N.O.A. 97-0205.03) with (4) 10d nails into header and (4) 10d nails into joist.
- 185 2 x 12 P.P.T. continuous wood ledger, fastened with 3/4" diameter Hilti Kwik bolts 24" on center.
- 195 2 x 12 solid wood bridging at mid-span with (2) 16d toe nails at each end, both sides.
- 205 Plywood floor sheathing. See General Structural Notes nos. 06120 and 06130.
- 215 Not used.
- 225 Fasten starter column to existing CMU with 1" wide x 16 gage corrugated galvanized steel masonry anchors 16" o.c. Fasten masonry anchors to existing concrete/masonry with 3/16" diameter Tapcon with minimum 1" embedment.
- 235 20" deep prefabricated wood trusses at 2'-0" on center (see "General Structural Notes" No. 06176).
- 245 Simpson THAC422 floor truss hanger (N.O.A. no. 98-0724.06) with (4) 16d nails into top of ledger, (2) 16d x 1-1/2" nails into side and (6) 16d nails truss.
- 255 2 x 8 PPT wood ledger fastened with 3/4" diameter Hilti Kwik bolts at 12" on center with minimum 4-3/4" embedment.
- 265 2 x 6 PPT continuous wood ledger, fastened with 3/4" diameter Hilti Kwik bolts at 16" on center with minimum 4-3/4" embedment.
- 275 7" thick concrete slab with #4 @ 12" on center each way bottom (lowest layer in short direction).
- 285 6" thick concrete slab with #4 @ 8" on center short way bottom and #4 @ 12" on center transverse bottom.
- 295 Fasten floor truss at interior truss with Simpson A35 clip (N.O.A. no. 97-0107.05) with (3) 3/16" diameter x 1-1/4" Tapcons into top of beam and (6) 8d nails into floor truss.
- 305 4" thick x 6" wide "pile cap" of ground pile @ GB.
- 315 Drill 6" into side of existing and set #4 x 5'-0" dowels at 8" o.c. in epoxy adhesive.
- 325 Not used.
- 335 Drill 6" into side of existing and set #4 x 4'-0" dowels at 12" o.c. in epoxy adhesive.
- 345 Drill 6" into side of existing grade beam/pile and set 3/8" x 3'-6" dowels in epoxy adhesive (see 285 at tie beams above).



(M) TRUSS MANUFACTURER - design floor trusses to bear at interior walls.
TRUSS MANUFACTURER - see mechanical drawings for duct penetrations and layout.

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THE FOLLOWING:
BUILDING ZONING: *[Signature]*



NOTED THUSLY ON DRAWINGS

- 1E Existing 6" CMU bearing wall.
- 2E Existing reinforced concrete grade beam.
- 3E Existing concrete tie beam.
- 4E Existing concrete slab on ground (V.I.F.).
- 5E Existing concrete tie column (V.I.F.).
- 6E Existing wood framed second floor structure (V.I.F.).
- 7E Existing wood framed roof structure.
- 8E Existing 6" deep precast concrete joists.
- 9E Existing reinforced concrete slab.
- 10E Existing reinforced concrete pile.

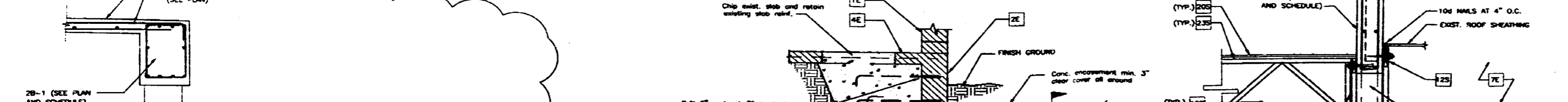
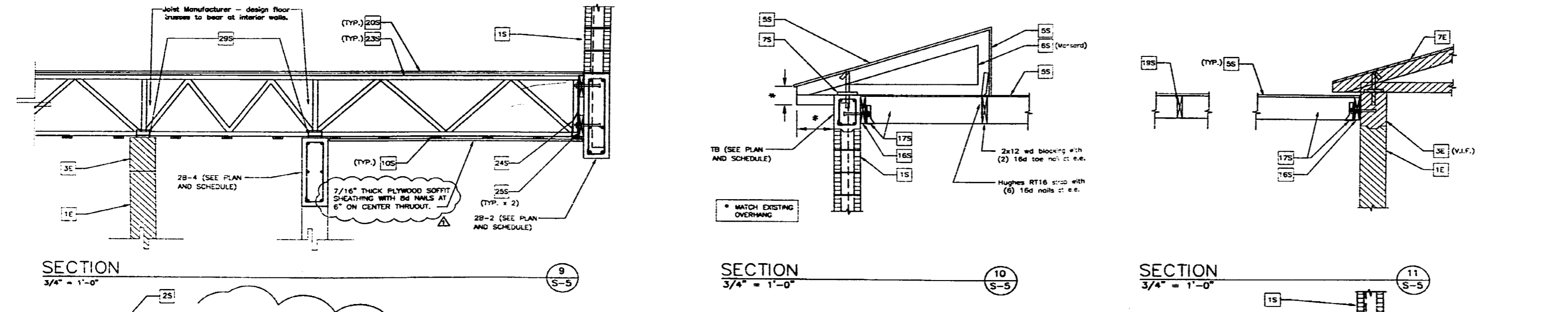
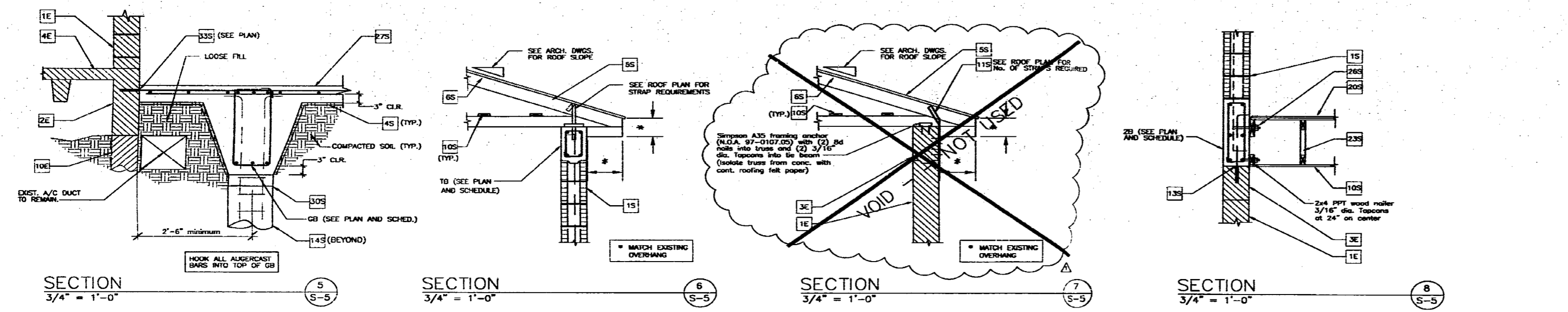
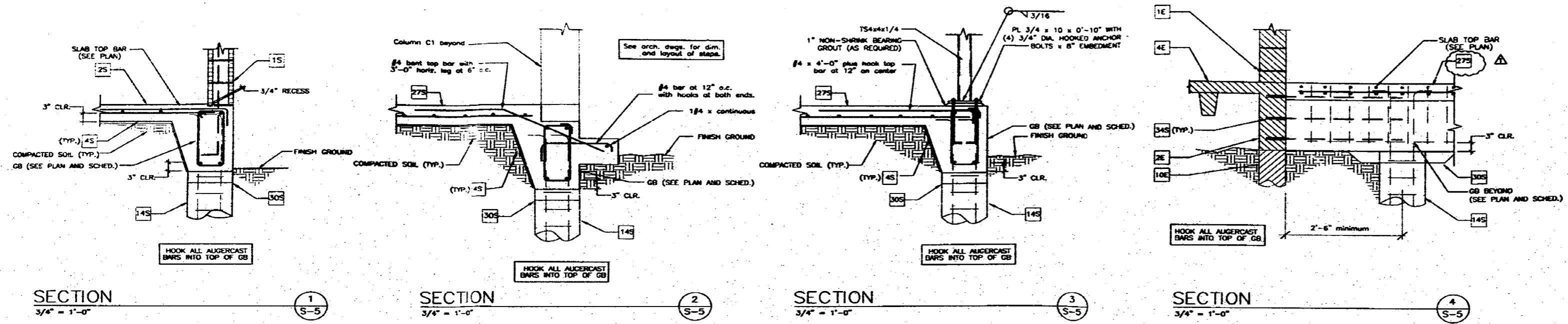
STRUCTURAL DRAWING NOTES

- 15 6" CMU bearing wall with horizontal joint reinforcement at every other course and #5 in grout filled cells at ends of wall, corners, intersections and at 48" on center between.
- 25 8" thick concrete slab with #4 @ 8" on center short way bottom (lowest layer), and #4 @ 12" on center transverse, bottom.
- 35 1/2" thick compressible joint filler. Caulk joint after placement of slab.
- 45 Continuous polyethylene sheet (see "General Structural Notes" No. 02000).
- 55 Plywood roof sheathing. See "General Structural Notes" No. 06110 for additional information.
- 65 Prefabricated wood trusses at 2'-0" on center (see "General Structural Notes" No. 06176).
- 75 Fasten typical wood truss/joint to tie beam with Hughes DTC truss anchor (N.O.A. no. 98-0717.03) with (9) 10d nails into joist thru strap and (4) 10d nails thru seat.
- 85 Prefabricated wood truss girder (see "General Structural Notes" No. 06176).
- 95 Fasten typical prefab truss girder to tie beam with Hughes DTC truss anchor (N.O.A. no. 98-0717.03) with (9) 10d nails into joint thru strap and (4) 10d nails thru seat and (1) Hughes T118 embedded truss anchor (N.O.A. no. 97-0507.01) with (7) 7d nails into side of member.
- 105 1 x 3 wood furring strips perpendicular to prefab trusses/girders at 16" o.c. Fasten to bottom of bottom chord with (2) 6d nails.
- 115 Hughes RT18 rafter tie (N.O.A. no. 97-0507.01) with (7) 16d nails into side of member and (3) 1/4" diameter Tapcons into side of existing beam.
- 125 2x6 PPT wood nailer with 1/4" diam. Tapcons @ 12" o.c.
- 135 Drill 4" into top of existing tie beam at 24" on center and set #5 hooked dowels in epoxy adhesive.
- 145 14" diameter concrete auger cast pile. See "General Structural Notes" no. 02466.
- 155 6" CMU in-fill with horizontal joint reinforcement at every other course. Anchor to existing concrete/CMU with 1" wide x 16 gage corrugated galvanized steel masonry anchors embedded in masonry joints at 16" on center. Fasten masonry anchors to existing concrete/masonry with 3/16" diameter Tapcon with minimum 1" embedment.
- 165 2 x 12 P.P.T. continuous wood ledger, fastened with 3/4" diameter Hilti Kwik bolts 12" on center.
- 175 2 x 12 wood joists at 12" on center. Fasten at interior end with Hughes UH26 Face Mount Hanger (N.O.A. 97-0205.03) with (4) 10d nails into header and (4) 10d nails into joint.
- 185 2 x 12 P.P.T. continuous wood ledger, fastened with 3/4" diameter Hilti Kwik bolts 24" on center.
- 195 2 x 12 solid wood bridging at mid-span with (2) 15d toe nails at each end, both sides.
- 205 Plywood floor sheathing. See General Structural Notes nos. 06120 and 06130.
- 215 Not used.
- 225 Fasten starter column to existing CMU with 1" wide x 16 gage corrugated galvanized steel masonry anchors 16" o.c. Fasten masonry anchors to existing concrete/masonry with 3/16" diameter Tapcon with minimum 1" embedment.
- 235 20" deep prefabricated wood trusses at 2'-0" on center (see "General Structural Notes" No. 06176).
- 245 Simpson THAC422 floor truss hanger (N.O.A. no. 98-0724.06) with (4) 16d nails into top of ledger, (2) 16d x 1-1/2" nails into side and (6) 16d nails thru.
- 255 2 x 8 PPT wood ledger fastened with 3/4" diameter Hilti Kwik bolts at 12" on center with minimum 4-3/4" embedment.
- 265 2 x 6 PPT continuous wood ledger, fastened with 3/4" diameter Hilti Kwik bolts at 16" on center with minimum 4-3/4" embedment.
- 275 7" thick concrete slab with #4 @ 12" on center each way bottom. (lowest layer in short direction).
- 285 6" thick concrete slab with #4 @ 8" on center short way bottom and #4 @ 12" on center transverse, bottom.
- 295 Fasten floor truss to interior walls with Simpson A35 clip (N.O.A. no. 97-0107.05) with (3) 3/16" diameter x 1-1/4" Tapcons into top of beam and (6) 6d nails into floor truss.
- 305 4" thick x 6" wide "pile cap" all around pile @ GB.
- 315 Drill 6" into side of existing and set #4 x 5'-0" dowels at 6" o.c. in epoxy adhesive.
- 325 Not used.
- 335 Drill 6" into side of existing and set #4 x 4'-0" dowels at 12" o.c. in epoxy adhesive.
- 345 Drill 6" into side of existing grade beam/pile and set 3/8" x 5'-6" dowels in epoxy adhesive (see 2/8" at the beams above).

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THE FOLLOWING:

(305) 937-5200

ALTERATIONS & ADDITIONS EOB



- STRUCTURAL DRAWING NOTES**
EXISTING CONDITIONS
- NOTED THUSLY ON DRAWINGS SEE
- Contractor shall verify all existing conditions in the field. All discrepancies shall be reported before proceeding with the work.
- Drawing Notes - Existing Conditions
- Existing 8" CMU bearing wall.
 - Existing reinforced concrete grade beam.
 - Existing concrete tie beam.
 - Existing concrete slab on ground (V.I.F.).
 - Existing concrete tie column (V.I.F.).
 - Existing wood framed second floor structure (V.I.F.).
 - Existing wood framed roof structure (V.I.F.).
 - Existing 8" deep precast concrete joists.
 - Existing reinforced concrete slab.
 - Existing reinforced concrete pile.
- STRUCTURAL DRAWING NOTES**
NOTED THUSLY ON DRAWINGS
- 8" CMU bearing wall with horizontal joint reinforcement at every other course and #5 in grid filled cells at ends of wall, corners, intersections and at 48" on center between.
 - 6" thick concrete slab with #4 @ 8" on center short way bottom (lowest layer), and #4 @ 12" on center transverse, bottom.
 - 1/2" thick compressible joint filler. Caulk joint after placement of slab.
 - Continuous polyethylene sheet (see "General Structural Notes" No. 02000).
 - Plywood roof sheathing. See "General Structural Notes" No. 06110 for additional information.
 - Prefabricated wood trusses at 2'-0" on center (see "General Structural Notes" No. 06176).
 - Fasten typical wood truss/joint to tie beam with Hughes DTC truss anchor (N.O.A. no. 98-0717.03) with (9) 10d nails into joint thru strap and (4) 10d nails thru wall.
 - Prefabricated wood truss girder (see "General Structural Notes" No. 06176).
 - Fasten typical prefab truss girder to tie beam with Hughes DTC truss anchor (N.O.A. no. 98-0717.03) with (9) 10d nails into joint thru strap and (4) 10d nails thru wall and (1) Hughes TA18 embedded truss anchor (N.O.A. no. 97-0507.01) with (7) 10d nails into side of member.
 - 1 x 3 wood furring strips perpendicular to prefab trusses/girders at 16" o.c. Fasten to bottom of bottom chord with (2) 8d nails.
 - Hughes RT18 rafter tie (N.O.A. no. 97-0507.01) with (7) 16d nails into side of member and (3) 1/4" diameter Topcons thru side of existing beam.
 - 2x6 PPT wood nailer with 1/4" diam. Topcons @ 12" o.c. and #5 hooked dowels in epoxy adhesive.
 - 14" diameter concrete auger cast pile. See "General Structural Notes" no. 02466.
 - 8" CMU in-fill with horizontal joint reinforcement at every other course. Anchor to existing concrete/CMU with 1" wide x 18 gage corrugated galvanized steel masonry anchors embedded in masonry joints at 16" on center. Fasten masonry anchors to existing concrete/masonry with 3/16" diameter Topcon with minimum 1" embedment.
 - 2 x 12 P.P.T. continuous wood ledger, fastened with 3/4" diameter HRJ Kwik bolts 12" on center.
 - 2 x 12 wood joists at 12" on center. Fasten at interior end with Hughes UR26 Face Mount Hanger (N.O.A. 97-0205.03) with (4) 10d nails into header and (4) 10d nails into joist.
 - 2 x 12 P.P.T. continuous wood ledger, fastened with 3/4" diameter HRJ Kwik bolts 24" on center.
 - 2 x 12 solid wood bridging at mid-span with (2) 16d toe nails at each end, both sides.
 - Plywood floor sheathing. See General Structural Notes nos. 06120 and 06130.
 - Not used.
 - Fasten starter column to existing CMU with 1" wide x 18 gage corrugated galvanized steel masonry anchors 16" o.c. Fasten masonry anchors to existing concrete/masonry with 3/16" diameter Topcon with minimum 1" embedment.
 - 20" deep prefabricated wood trusses at 2'-0" on center (see "General Structural Notes" No. 06176).
 - Simpson TH4C22 floor truss hanger (N.O.A. no. 98-0724.06) with (4) 16d nails into top of ledger, (2) 16d x 1-1/2" nails into side and (6) 16d nails thru truss.
 - 2 x 8 PPT wood ledger fastened with 3/4" diameter HRJ Kwik bolts at 12" on center with minimum 4-3/4" embedment.
 - 2 x 6 PPT continuous wood ledger, fastened with 3/4" diameter HRJ Kwik bolts at 16" on center with minimum 4-3/4" embedment.
 - 7" thick concrete slab with #4 @ 12" on center each way bottom (lowest layer in short direction).
 - 6" thick concrete slab with #4 @ 8" on center short way bottom and #4 @ 12" on center transverse, bottom.
 - Fasten floor truss at interior walls with Simpson A35 clip (N.O.A. no. 97-0107.05) with (3) 3/16" diameter x 1-1/4" Topcons into top of beam and (6) 8d nails into floor truss.
 - 4" thick x 6" wide "pile cap" all around pile @ GB.
 - Drill 6" into side of existing and set #4 x 5'-0" dowels at 8" o.c. in epoxy adhesive.
 - Not used.
 - Drill 6" into side of existing and set #4 x 4'-0" dowels at 12" o.c. in epoxy adhesive.
 - Drill 6" into side of existing grade beam/pile and set 3/8" x 3'-6" dowels in epoxy adhesive (see 2/6 of 5a beams above).
- CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS

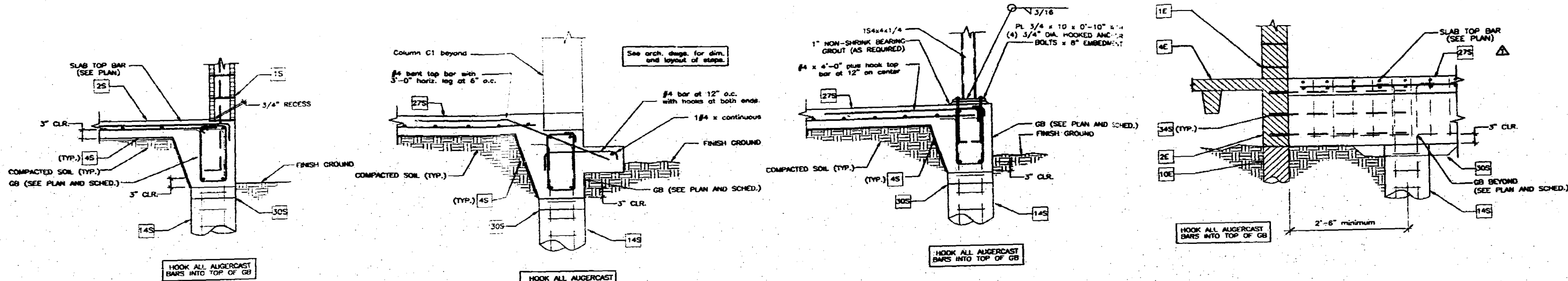
REVISIONS	No.
05.18.01	1

301400 04.21
 100000 04.21
 roger piper
 architect, inc.
 n.a.s.b. certified - s.e. associate

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

BUILDING: _____
 ZONING: _____
 FREIGHT: _____
 TRUCKING: _____
 ELECTRICAL: _____
 MECHANICAL: _____
 FIRE PREVENTION: _____
 ENGINEERING: _____
 PUBLIC WORKS: _____
 STRUCTURAL: _____
 ACCESSIBILITY: _____
 ELEVATOR: _____

ALTERATIONS & ADDITIONS FOR
MR. & MRS. FURST
 800 LAKE VIEW DRIVE
 MIAMI BEACH, FLORIDA

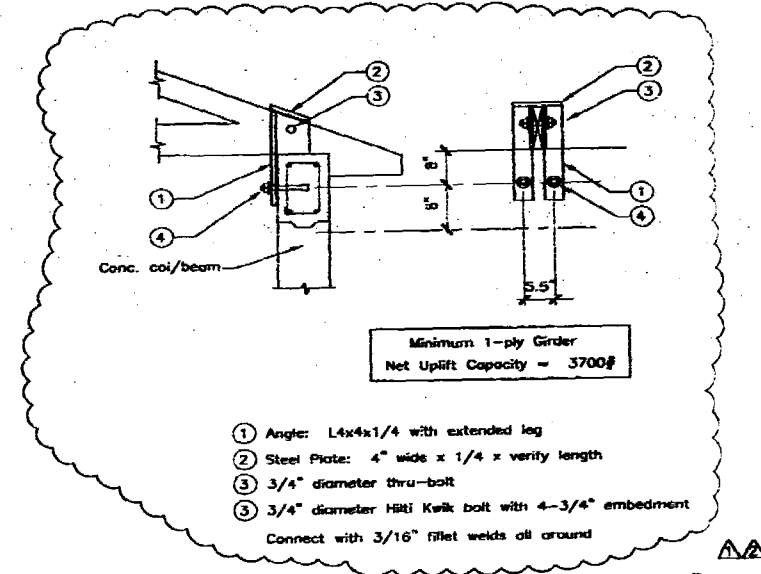
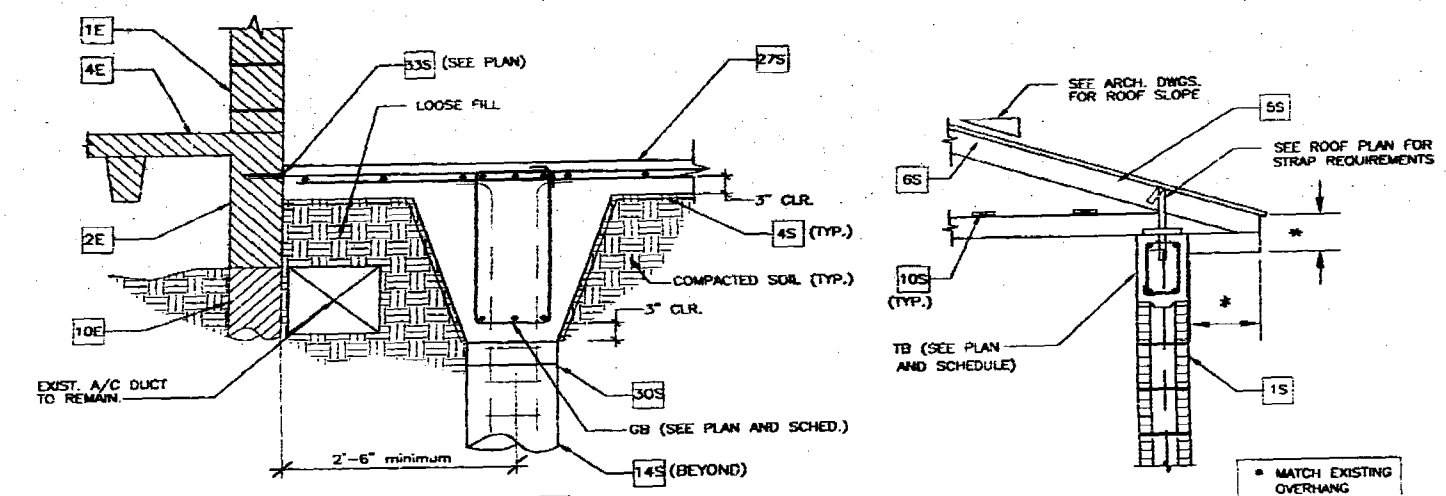


SECTION 1
3/4" = 1'-0"

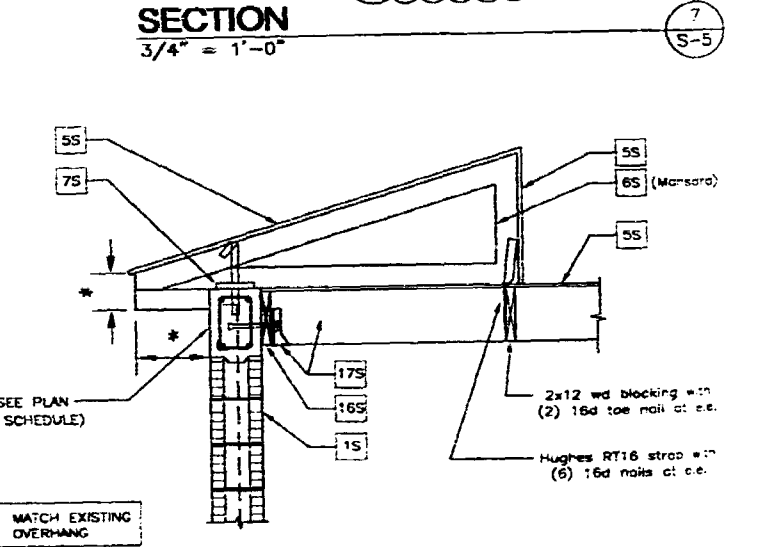
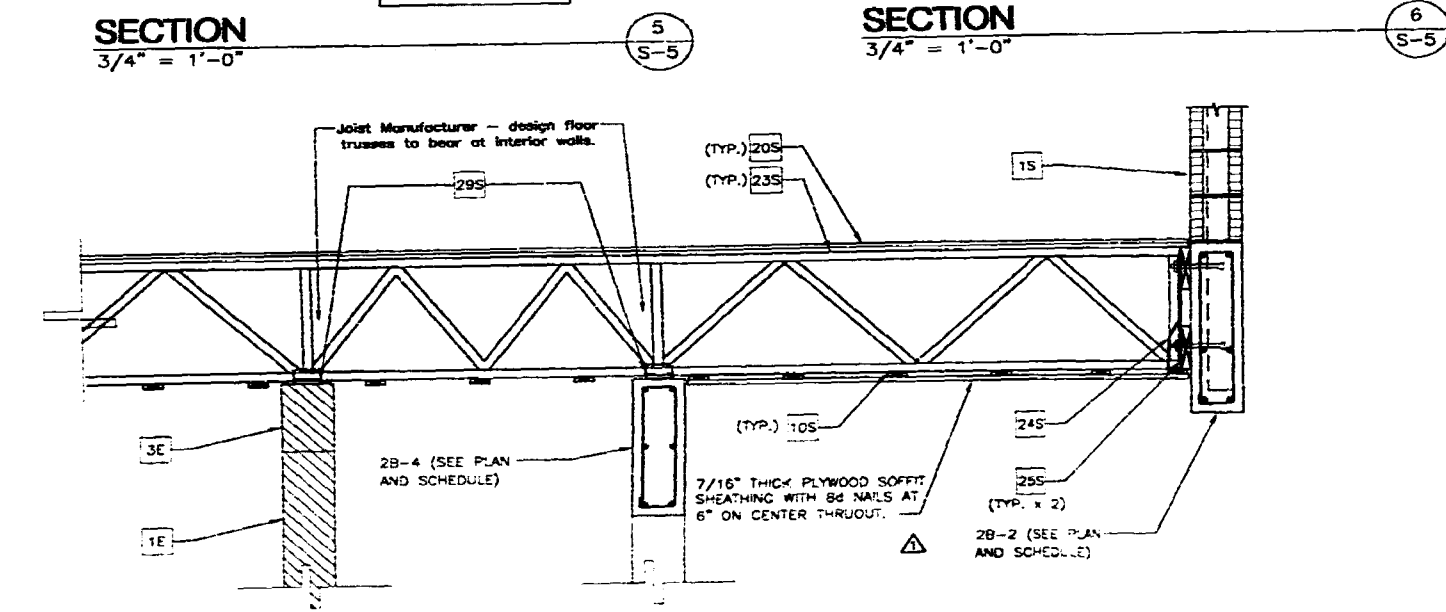
SECTION 2
3/4" = 1'-0"

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

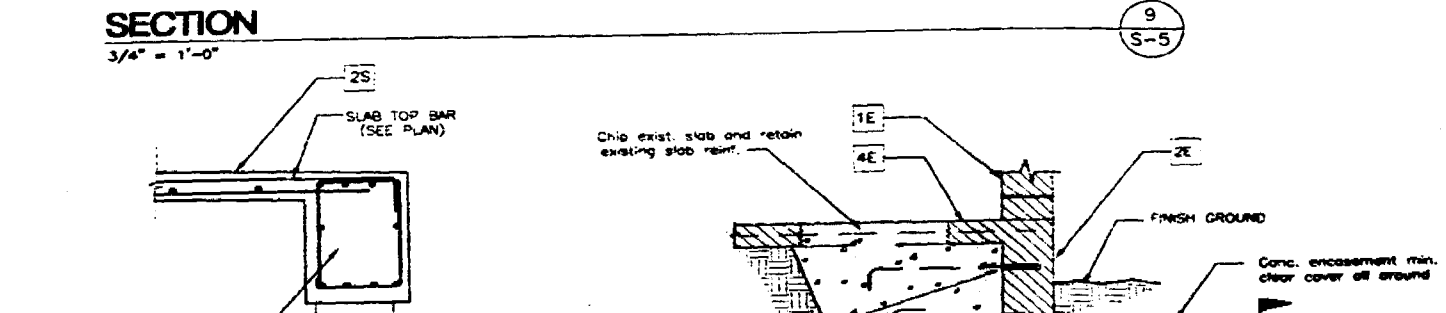
SECTION 4
3/4" = 1'-0"



SECTION 7
3/4" = 1'-0"



SECTION 10
3/4" = 1'-0"



SECTION 11
3/4" = 1'-0"

SECTION 12
3/4" = 1'-0"

STRUCTURAL DRAWING NOTES
EXISTING CONDITIONS

NOTED THUSLY ON DRAWINGS: **SE**
Contractor shall verify all existing conditions in the field. All discrepancies shall be reported before proceeding with the work.
Drawing Notes - Existing Conditions

- 1E Existing 8" CMU bearing wall.
- 2E Existing reinforced concrete grade beam.
- 3E Existing concrete tie beam.
- 4E Existing concrete slab on ground (V.F.).
- 5E Existing concrete tie column (V.F.).
- 6E Existing wood framed second floor structure (V.F.).
- 7E Existing wood framed roof structure.
- 8E Existing 8" deep precast concrete joists.
- 9E Existing reinforced concrete slab.
- 10E Existing reinforced concrete pile.

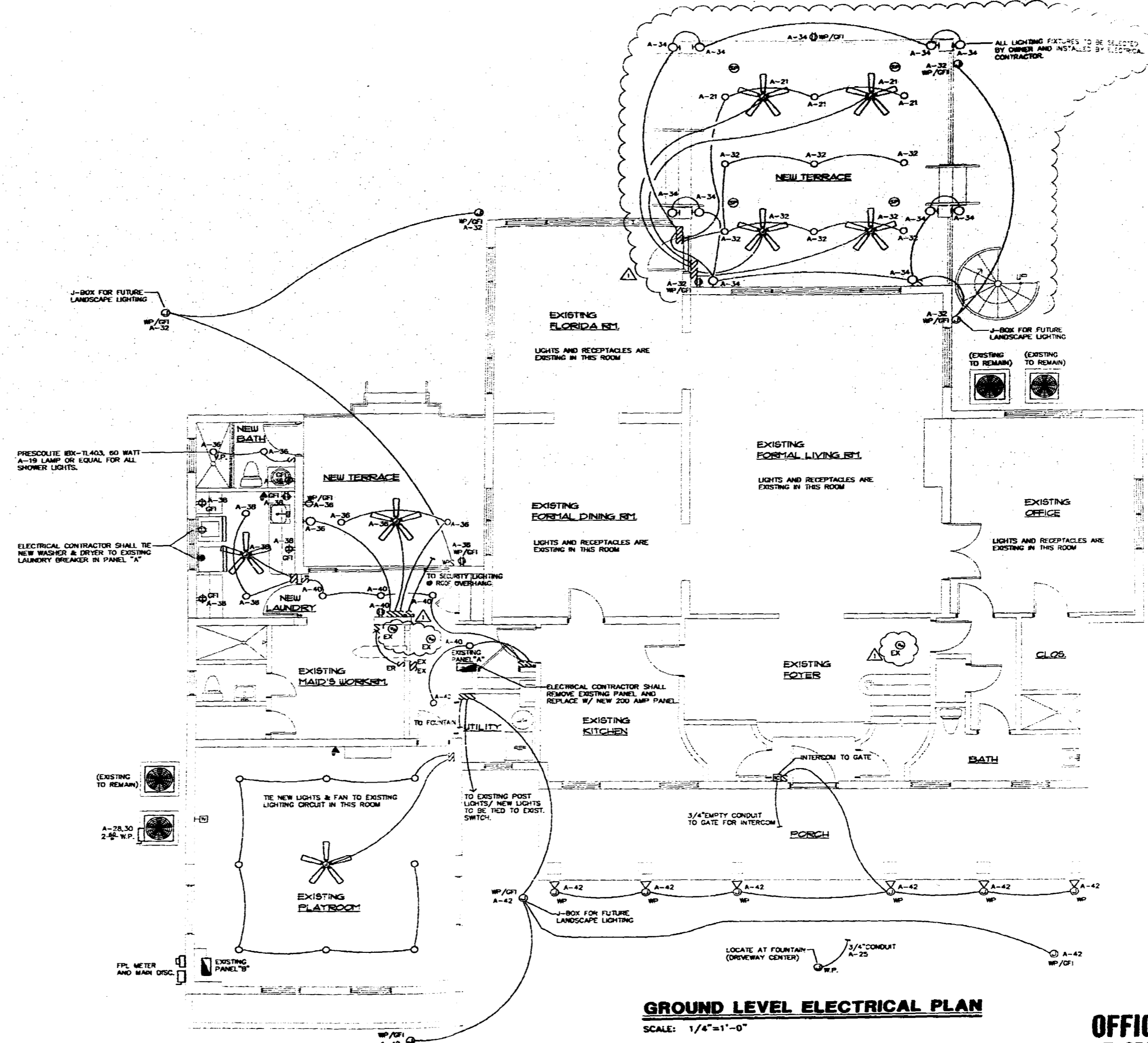
STRUCTURAL DRAWING NOTES
NOTED THUSLY ON DRAWINGS: **SE**

- 1S 6" CMU bearing wall with horizontal joint reinforcement at every other course and #5 in grout filled cells at ends of wall, corners, intersections and at 48" on center between.
- 2S 8" thick concrete slab with #4 @ 8" on center short way bottom (lowest layer), and #4 @ 12" on center transverse, bottom.
- 3S 1/2" thick compressible joint filler. Caulk joint after placement of slab.
- 4S Continuous polyethylene sheet (see "General Structural Notes" No. 02000).
- 5S Plywood roof sheathing. See "General Structural Notes" No. 06110 for additional information.
- 6S Prefabricated wood trusses at 2'-0" on center (see "General Structural Notes" No. 06176).
- 7S Fasten typical wood truss/joint to tie beam with USP DTC truss anchor (N.O.A. no. 00-1218.03) with (9) 10d nails into joist thru strap and (4) 10d nails thru seat.
- 8S Prefabricated wood truss girder (see "General Structural Notes" No. 06176).
- 9S Fasten typical prefab truss girder to tie beam with USP DTC truss anchor (N.O.A. no. 00-1218.03) with (9) 10d nails into joist thru strap and (4) 10d nails thru seat and (1) USP TATB embedded truss anchor (N.O.A. no. 00-0913.07) with (7) 10d nails into side of member.
- 10S 1 x 3 wood turning strips perpendicular to prefab trusses/girders at 12" o.c. Fasten to bottom of bottom chord with (2) 8d nails.
- 11S USP RT16 roller tie (N.O.A. no. 00-0913.07) with (7) 16d nails into side of member and (3) 1/4" diameter x 1.75" Tapcons into side of existing beam.
- 12S 2x8 PPT wood nailer with 1/4" diam. Tapcons @ 12" o.c.
- 13S Drill 4" into top of existing tie beam at 24" on center and set #5 hooked dowels in epoxy adhesive.
- 14S 14" diameter concrete auger cast pile. See "General Structural Notes" no. 02466.
- 15S 8" CMU in-fill with horizontal joint reinforcement at every other course. Anchor to existing concrete/CMU with 1" wide x 16 gage corrugated galvanized steel masonry anchors embedded in masonry joints at 18" on center. Fasten masonry anchors to existing concrete/masonry with 3/16" diameter Tapcon with minimum 1" embedment.
- 16S 2 x 12 P.P.T. continuous wood ledger, fastened with 3/4" diameter H&K Kwik bolts 12" on center.
- 17S 2 x 12 wood joists at 12" on center. Fasten at interior end with Simpson LUS210 Hanger (N.O.A. no. 96-0774.06) with (4) 16d nails into top of ledger, (2) 16d x 1-1/2" nails into side and (6) 16d nails thru truss.
- 18S 2 x 12 P.P.T. continuous wood ledger, fastened with 3/4" diameter H&K Kwik bolts 24" on center.
- 19S 2 x 12 solid wood bridging at mid-span with (2) 16d toe nails at each end, both sides.
- 20S Plywood floor sheathing. See General Structural Notes nos. 06120 and 06130.
- 21S Not used.
- 22S Fasten starter column to existing CMU with 1" wide x 16 gage corrugated galvanized steel masonry anchors. Fasten masonry anchors to existing concrete/masonry with 3/16" diameter Tapcon with minimum 1" embedment.
- 23S 20" deep prefabricated wood trusses at 2'-0" on center (see "General Structural Notes" No. 06176).
- 24S Simpson THAC22 floor truss hanger (N.O.A. no. 96-0774.06) with (4) 16d nails into top of ledger, (2) 16d x 1-1/2" nails into side and (6) 16d nails thru truss.
- 25S 2 x 8 PPT wood ledger fastened with 3/4" diameter H&K Kwik bolts at 12" on center with minimum 4-3/4" embedment.
- 26S 2 x 6 PPT continuous wood ledger, fastened with 3/4" diameter H&K Kwik bolts at 16" on center with minimum 4-3/4" embedment.
- 27S 7" thick concrete slab with #4 @ 12" on center each way bottom (lowest layer in short direction).
- 28S 6" thick concrete slab with #4 @ 8" on center short way bottom and #4 @ 12" on center transverse, bottom.
- 29S Fasten floor truss at interior ends with Simpson A35 clip (N.O.A. no. 97-0107.05) with (3) 3/16" diameter x 1-1/4" Tapcons into top of beam and (6) 8d nails into floor truss.
- 30S 4" thick x 6" wide "pile cap" of around pile @ GB.
- 31S Drill 6" into side of existing and set #4 x 5'-0" dowels at 8" o.c. in epoxy adhesive.
- 32S Not used.
- 33S Drill 6" into side of existing and set #4 x 6'-0" dowels at 12" o.c. in epoxy adhesive.
- 34S Drill 6" into side of existing grade beam/pile and set 3/8" x 5'-5" dowels in epoxy adhesive (use 2#6 at tie beams above).

CONTRACTOR SHALL VERIFY AND CORROBORATE ALL DIMENSIONS AND EXISTING CONDITIONS WITH ARCHITECTURAL DRAWINGS

ELECTRICAL NOTES:

- ALL CONDUCTORS SHALL BE COPPER, RATED TO C WET/DRY EXCEPT WHERE OTHERWISE REQUIRED BY UL OR CODES. MINIMUM WIRE SIZE SHALL BE #12 AWG EXCLUDING CONTROL CIRCUITS.
- ALL CONDUIT RISERS SHALL BE RIGID GALVANIZED STEEL (RGS) WHERE CONDUIT BENDS UPWARD FROM UNDERGROUND TO ABOVE GROUND. USE AN APPROVED PVC TO RGS COUPLER. RGS CONDUIT SHALL EXTEND A MINIMUM OF 18" BELOW GRADE.
- UNLESS NOTED AS EXISTING, ALL EQUIPMENT, WIRING, DEVICES, ETC. SHALL BE NEW.
- ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LATEST EDITION (NEC) AND THE LATEST EDITIONS OF ALL LOCAL CODES, RULES AND ORDINANCES HAVING JURISDICTION.
- ALL CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT ROUTING SHALL BE DETERMINED IN THE FIELD, UNLESS OTHERWISE NOTED.
- ALL DISCONNECT SWITCHES SHALL BE SIZED BY NEC TO ACCOMMODATE EQUIPMENT SERVED, INCLUDING REQUIRED FUSES. LON SWITCHES SHALL BE HEAVY DUTY RATED AND SIZED FOR 1/2 MAX. HOURS PER HOUR DUTY TYPE.
- ALL ELECTRICAL EQUIPMENT SHALL BE RAIN/TIGHT WHERE EXPOSED TO THE WEATHER. ALL FLEX CONDUITS CONNECTED TO SUCH EQUIPMENT SHALL BE LIQUID TIGHT.
- WIRE SIZES SHALL BE SIZED AS REQUIRED, PER NEC, UNLESS OTHERWISE NOTED (LON).
- COORDINATE ALL ELECTRICAL SITE WORK WITH GENERAL CONTRACTOR.
- FOR UNDERGROUND ELECTRICAL CONDUITS, PROVIDE FULL BOXES SUCH THAT NO SINGLE CONDUIT RUN HAS BENDS IN EXCESS OF 360°. FULL BOXES SHALL BE INSTALLED FOR THE INTENDED USE. WARNING TAPE WHICH BAYS "WARNING BURIED ELECTRIC" SHALL BE PLACED IN TRENCHES ABOVE ALL UNDERGROUND ELECTRICAL CONDUITS. WHERE CONDUITS PASS UNDER PAVED AREAS, THEY SHALL BE RGS. WHERE UNDERGROUND CONDUITS ARE NOT EXPOSED TO MECHANICAL DAMAGE OR ARE NOT UNDER PAVED AREAS, THEY SHALL BE RGS OR 40 PVC. ALL CONDUIT RISERS SHALL BE RGS.
- FOR TELEPHONE SYSTEM:
 - PROVIDE GROUNDING FOR ALL TELEPHONE OUTLETS AND EQUIPMENT PER REQUIREMENTS OF TELEPHONE COMPANY.
 - VERIFY LOCATION OF TELEPHONE SERVICE WITH TELEPHONE COMPANY, PRIOR TO SUBMITTING BID.
- ALL CIRCUIT BREAKERS SHALL BE INVERSE TIME TYPE (THERMAL MAGNETIC). TWO AND THREE POLE CIRCUIT BREAKERS SHALL BE COPPER TRIP. NO TIE HANDLES PERMITTED.
- ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC. SHALL BE LISTED, FOR THE INTENDED USE WITH UNDERWRITERS LABORATORY, INC. (UL) WHERE STANDARDS HAVE BEEN ESTABLISHED BY UL.
- ALL CONDUCTORS SHALL BE IN CONDUITS. ALL CONDUITS SHALL BE INTERMEDIATE (IC) OR RIGID GALVANIZED STEEL (RGS) EXCEPT THAT: (A) POLY VINYL CHLORIDE (PVC) CONDUITS MAY BE USED IN CONCRETE SLABS AND UNDERGROUND PROVIDED ELBOWS AND RISERS ARE RGS; (B) ELECTRICAL NON-METALLIC TUBING (ENT) MAY BE USED IN OR ON WALLS OR CEILINGS WHERE NOT SUBJECT TO MECHANICAL DAMAGE; (C) LIQUID TIGHT FLEXIBLE CONDUIT WHERE REQUIRED; (D) FLEXIBLE METALLIC CONDUIT WHERE REQUIRED; (E) DRY LOCATIONS ALL CONDUITS IN HAZARDOUS AREAS PER NEC SHALL MEET THE REQUIREMENTS OF NEC CHAPTER 5.
- PROVIDE LAMPS WITH FIXTURES, VERIFY LAMP TYPE WITH MANUFACTURER.
- COORDINATE ELECTRIC SERVICE WITH POWER COMPANY.
- ELECTRICAL CONTRACTOR SHALL NOT SCALE DRAWINGS. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT UNLESS NOTED OTHERWISE.
- ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL CONDITIONS, LOCATIONS, DIMENSIONS AND COUNTS AS SHOWN AND/OR NOTED ON THE DRAWINGS. THIS SHALL INCLUDE ANT AND ALL FABRICATIONS PRIOR TO INSTALLATION.
- IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE ADVANCED ORDERING OF LONG LEAD ITEMS, AS NOT TO INTERFERE WITH THE PRODUCTION OF OTHER TRADES RESULTING IN ANY DOWN OR LAG TIME.
- IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE ALL LABOR MATERIALS AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK AS SHOWN AND/OR NOTED ON THE DRAWINGS.
- IT SHALL BE UNDERSTOOD THAT ALL WORK PERFORMED SHALL BE DONE BY A LICENSED ELECTRICAL CONTRACTOR AND IN A FIRST-CLASS WORKMANLIKE MANNER. SAID CONTRACTOR SHALL MEET ALL REQUIREMENTS SET FORTH BY ANY LOCAL ORDINANCE AND GOVERNING AUTHORITIES.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR TO ORIGINAL CONDITIONS ANY AND ALL DAMAGES TO BUILDING SURFACES, EQUIPMENT AND FURNISHINGS CAUSED DURING PERFORMANCE OF WORK.
- THE ELECTRICAL CONTRACTOR SHALL KEEP ALL AREAS IN WHICH WORK IS BEING PERFORMED CLEAR AT ALL TIMES AND SAID AREAS SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.
- IT SHALL NOT BE THE INTENT OF THESE PLANS AND/OR SPECIFICATION TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR SHALL BE EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROGRESS WORKING ORDER.
- WHERE CORE DRILLING OF FLOOR/WALLS IS REQUIRED, CONTRACTOR SHALL SEAL OPENINGS WATER/TIGHT AFTER UTILITIES HAVE BEEN INSTALLED. LOCATION OF CORED HOLES SHALL COORDINATE WITH LOCATION OF CHIMNEYS TO BE CLEAN AND FUNCTIONAL. THE CONTRACTOR SHALL INSTALL ONLY ONE CONDUIT PER HOLE AND SEAL THE OPENING AROUND THE CONDUIT AS SPECIFIED.
- ELECTRICAL CONTRACTOR SHALL VERIFY CIRCUIT PROTECTIVE DEVICE RATING FOR EQUIPMENT PRIOR TO CONSTRUCTION.
- METER CANS, LUGS & LUGS FOR SAME ARE TO BE FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO VERIFY SPECIFIC TYPE OF METER CAN TO BE USED WITH FPL PRIOR TO BID.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR ON THE RELOCATION OF THE EXISTING AHU IN THE PLAYROOM CEILING. THE ELECTRICAL CONTRACTOR SHALL EXTEND THE EXISTING SERVICE TO THE NEW LOCATION.
- ALL RECESSED "HI-HAT" LIGHT FIXTURES SHALL BE "IC" RATED (IN-CONTACT WITH INSULATION).



GROUND LEVEL ELECTRICAL PLAN
SCALE: 1/4"=1'-0"

ELECTRICAL CONTRACTOR SHALL RELOCATE EXISTING PANEL TO SECURITY LIGHTING @ ROOF OVERHANG. NEW LIGHTS TO EXISTING CIRCUIT @ POST TOPS. LIGHTS SHALL BE SHOWN FROM UTILITY CLOSET.

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CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

Building Zoning Ordinance Concurrency Planning
 [Signature]
 [Signature]

ALTERATIONS & ADDITIONS FOR:
MR. & MRS. ARIEL FURST
 800 LAKE VIEW DRIVE
 MIAMI BEACH, FLORIDA

(305) 932-5200
roger piper
 architect, inc.
 P 1308
 n.e.e.c.b. certified - e.l.a. eligible

Roger Piper
 12-22-01

DATE: 12-22-01
 R.P.F.
 02174

LOAD CALCULATION:

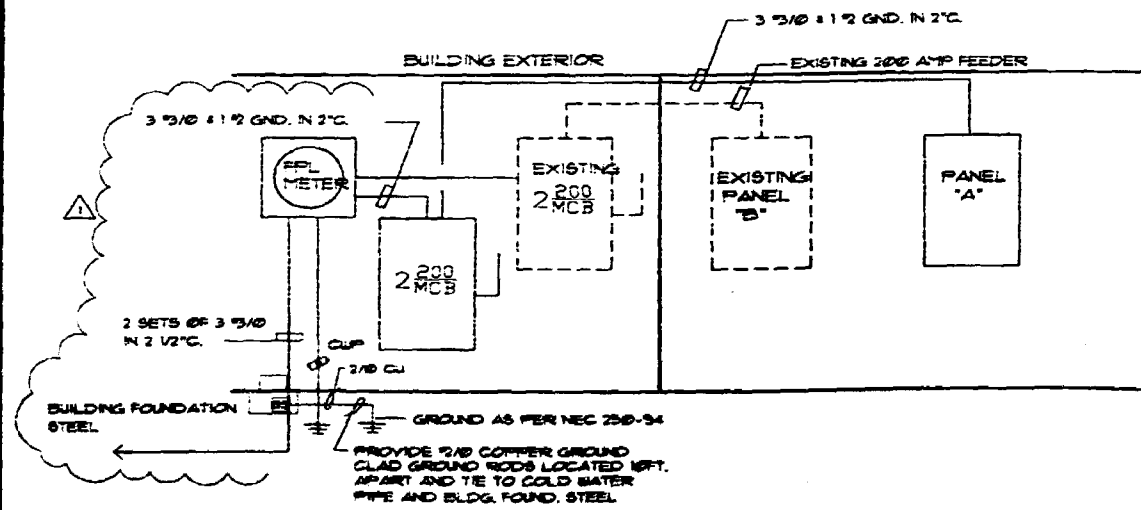
5650 SQ. FT. @ 3VA/SQ. FT.	16950VA
WATER HEATER	10000VA
220 OUTLETS	3000VA
RANGE	6000VA
OVEN	6000VA
SMALL APPLIANCE	1000VA
DRYER	5000VA
WASHER	500VA
GARAGE OPENER	500VA
BURGULAR ALARM	400VA
HOOD	800VA
MICROWAVE	1000VA
REFRIGERATOR	1000VA
DISHWASHER	1000VA
CONVENIENCE OUTLETS	800VA
POOL EQUIPT.	1000VA
IRONING EQUIPT.	1000VA
HYDRO MASSAGE TUB	1000VA
TOTAL LOAD LESS A/C	90000VA
1ST 10000 @ 100%	10000VA
REMAINDER @ 40%	36000VA
AIR COND. @ 100%	31600VA
TOTAL	136000VA

$136000VA \div 240V = 566.7 \text{ AMPERES}$

TYPE: D.C. LOAD CENTER										MAIN BUS: 200A													
SERVICE: 120/240V, 1PH, 3W.										NEUTRAL: FULL													
MOUNTING: RECESSED										MARKS: M.L.O.													
POLES: 42										A.L.C.													
NO.	NO. REM.	TRIP	LOAD	WIRE	REMARKS	NO.	NO. REM.	TRIP	LOAD	WIRE	REMARKS	NO.	NO. REM.	TRIP	LOAD	WIRE	REMARKS	NO.	NO. REM.	TRIP	LOAD	WIRE	REMARKS
20-1	EXISTING				EXIST LTS/RECP	1	2	EXIST LTS/RECP	EXISTING	15-1													
20-1	EXISTING				EXIST LTS/RECP	3	4	EXIST EQUIP	EXISTING	30-2													
20-1	EXISTING				EXIST LTS/RECP	5	8																
20-1	EXISTING				EXIST LTS/RECP	7	8	EXIST LTS/RECP	EXISTING	20-1													
15-1	EXISTING				EXIST LTS/RECP	9	10	EXIST LTS/RECP	EXISTING	20-1													
30-2	EXISTING				EXIST EQUIP	11	12	EXIST EQUIP	EXISTING	30-2													
						13	14																
15-1					SPACE	15	16	EXIST LTS/RECP	EXISTING	15-1													
					SPACE	17	18	SPACE															
					SPACE	19	20	SPACE															
15-1	1/2	14			PATIO LTS/FAN	21	22	BATH RECEP.	12	1/2	20-1												
15-1	1/2	14			SEC. LIGHTS	23	24	NEW ASU	8	1"	60-2												
20-1	3/4	10			FOUNTAIN	25	26																
20-1	3/4	10			GATE MOTOR	27	28	NEW MCCU	8	1"	60-2												
15-1	1/2	14			CORR LTS/RECP	29	30																
15-1	1/2	14			BEDRM LIGHTS	31	32	PATIO LTS/FAN	14	1/2	15-1												
15-1	1/2	14			BEDRM LIGHTS	33	34	PATIO SCENCES	14	1/2	15-1												
15-1	1/2	14			BEDRM RECEP.	35	36	PORCH LTS/RECP	14	1/2	15-1												
15-1	1/2	14			BEDRM RECEP.	37	38	LANDING LTS/RECP	14	1/2	15-1												
15-1	1/2	14			BEDRM RECEP.	39	40	CORRIDOR LTS	14	1/2	15-1												
15-1	1/2	14			BEDRM LIGHTS	41	42	FRONT LTS.	14	1/2	15-1												

PANEL NOTES:

- ① NON CONCURRENT LOAD
- ② LIGHTS AND RECEPTACLES @ 3 WATTS PER SQ. FT.



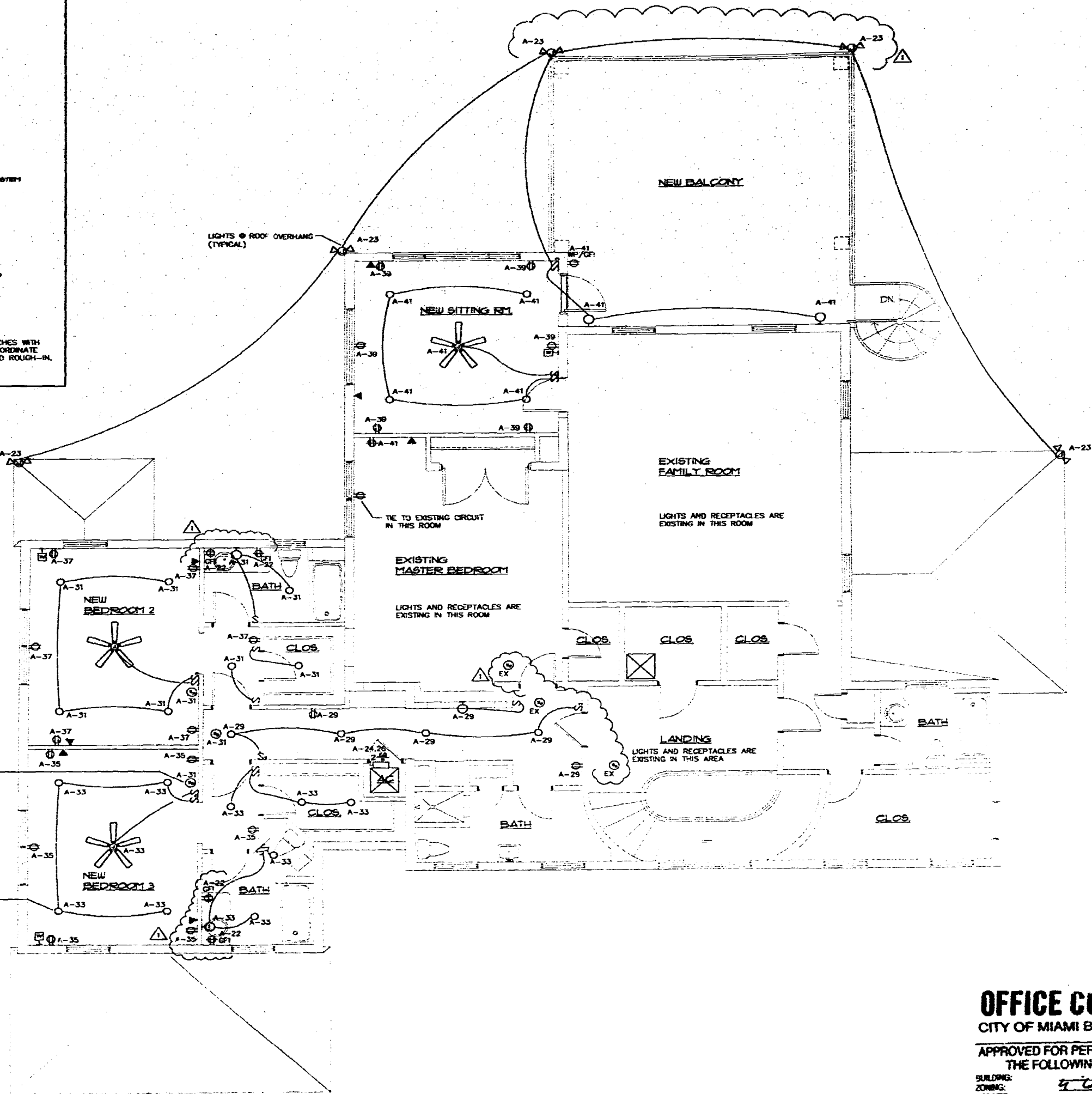
ELECTRICAL SYMBOL LEGEND

- FLUORESCENT LIGHT FIXTURE
- DOWN LIGHT
- FLUORESCENT STRIP
- EXIT LIGHT
- ⊕ EMERGENCY BATTERY PACK
- ⊕ DUPLEX RECP - 20 AMP (18' APP.)
- ⊕ SPECIAL PURPOSE RECEPTACLE (APP.)
- S SINGLE POLE SWITCH - 20 AMP (18' APP.)
- S THREE WAY SWITCH - 20 AMP (18' APP.)
- S DIFFER SWITCH 3000 WATTS (18' APP.)
- ⊕ JUNCTION BOX
- ⊕ ELECTRICAL PANELBOARD
- MOTOR
- ⊕ TRANSFORMER
- ⊕ FLEXIBLE CONDUIT
- ⊕ GROUNDING ELECTRODE / CONDUCTOR SYSTEM
- ⊕ TELEVISION OUTLET (18' APP.)
- ⊕ INTERCOM SYSTEM
- ⊕ CENTRAL VACUUM STATION
- ⊕ TELEPHONE OUTLET (18' APP.)
- ⊕ COMPUTER OUTLET (18' APP.)
- ⊕ SMOKE DETECTOR (PHOTOELECTRIC TYPE)
- ⊕ SPEAKER - CEILING MOUNTED
- ⊕ PANEL DISCONNECT SWITCH
- ⊕ THERMOSTAT

NOTE: ELECTRICAL CONTRACTOR SHALL PROVIDE SWITCHES WITH BUILT-IN TIMERS IN NEW AND EXISTING BEDROOMS COORDINATE WITH OWNER FOR EXACT LOCATIONS PRIOR TO BID AND ROUGH-IN.

120V. SMOKE DETECTORS SHALL BE HARD WIRE WITH BATTERY BACK-UP AND INTERCONNECTED TO SOUND SIMULTANEOUSLY UPON ACTIVATION OF ANY DETECTOR.

PRESCOLITE JBX-TDW13, 75 WATT PAR 30 LAMP WITH 6" APERTURE OR EQUAL (TYPICAL DOWNLIGHT).



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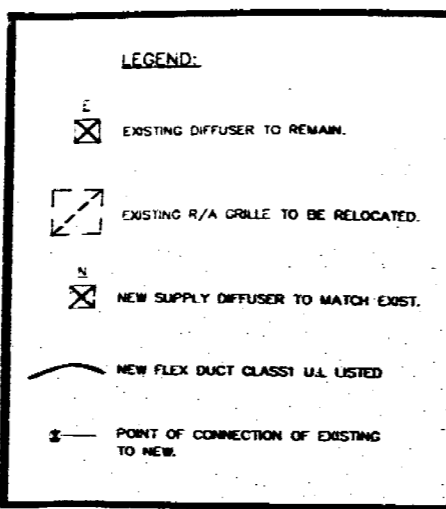
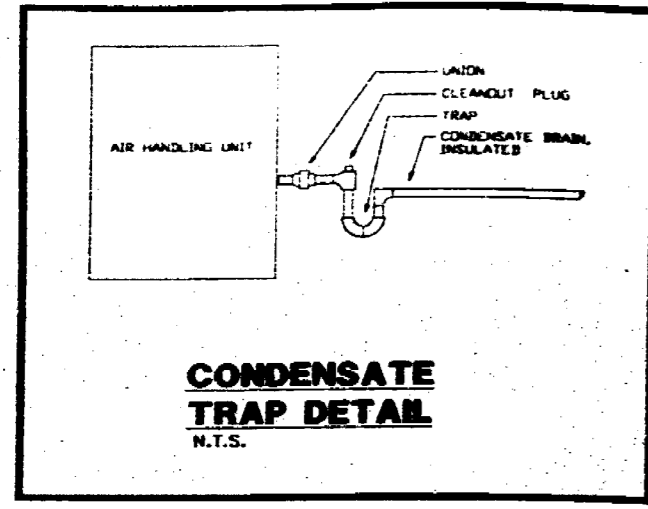
BUILDING: *[Signature]*
ZONING: *[Signature]*
DRAPING: *[Signature]*
CONCURRENCY: *[Signature]*
PLUMBING: *[Signature]*

(305) 932-5200
roger piper
architect, inc.
1303

Roger Piper
8-22-01

ALTERATIONS & ADDITIONS FOR:
MR. & MRS. ARIEL FURST
800 LAKE VIEW DRIVE
MIAMI BEACH, FLORIDA

DRAWN BY: *[Signature]*
K.S.
CHECKED BY: *[Signature]*
R.P.
DATE: 12-18-03

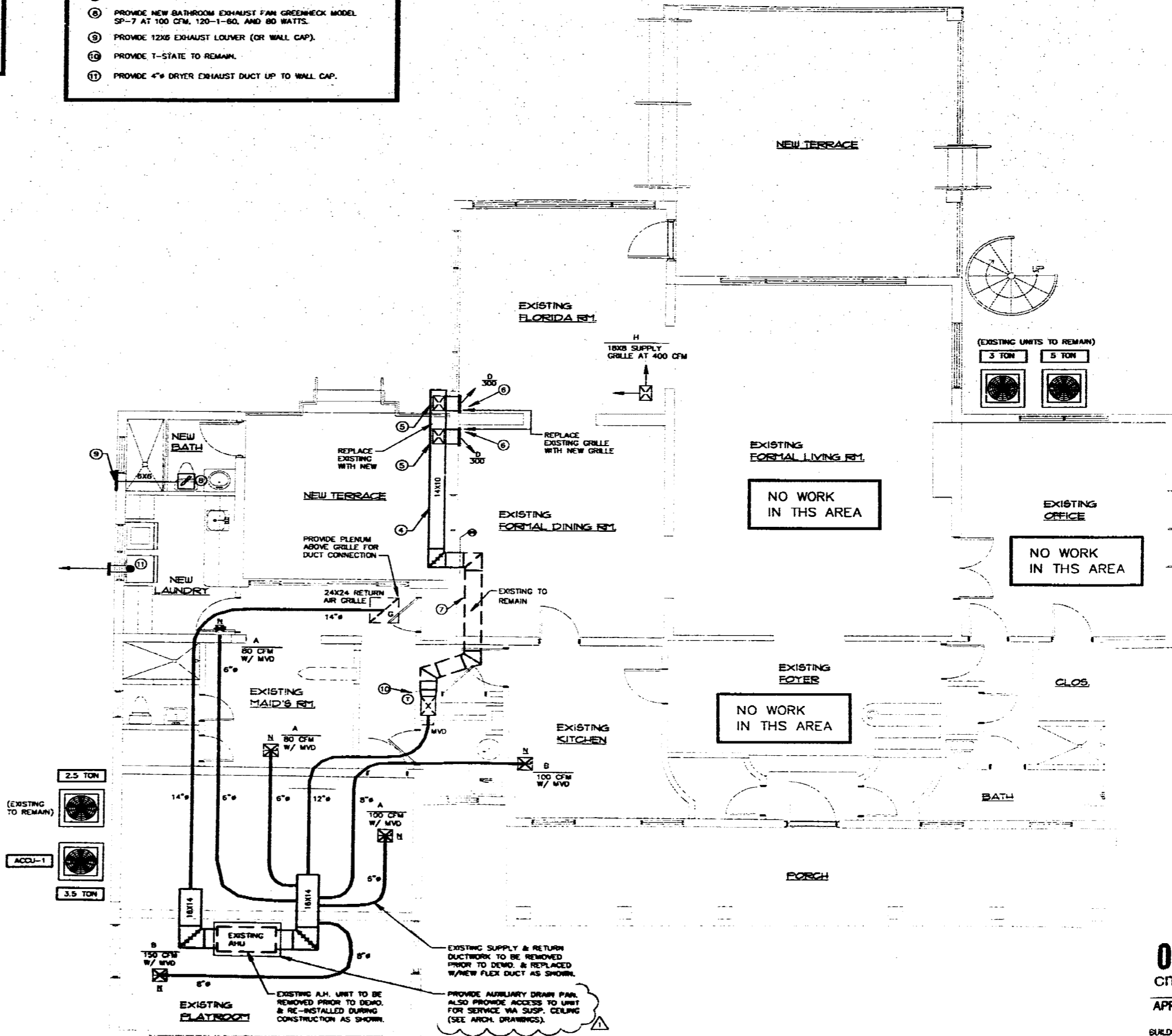
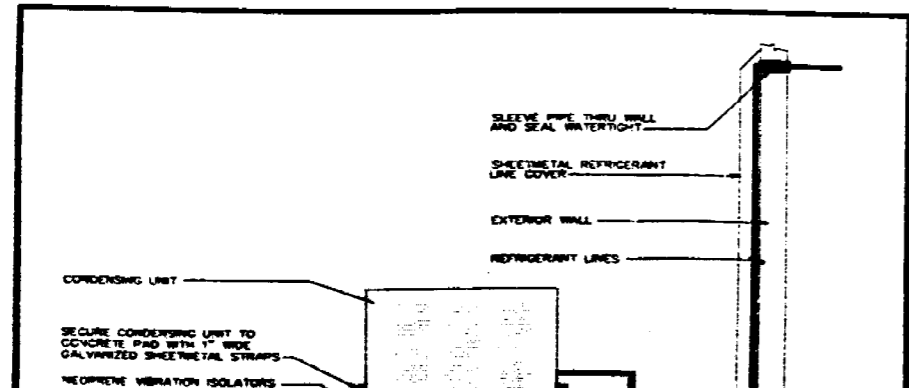
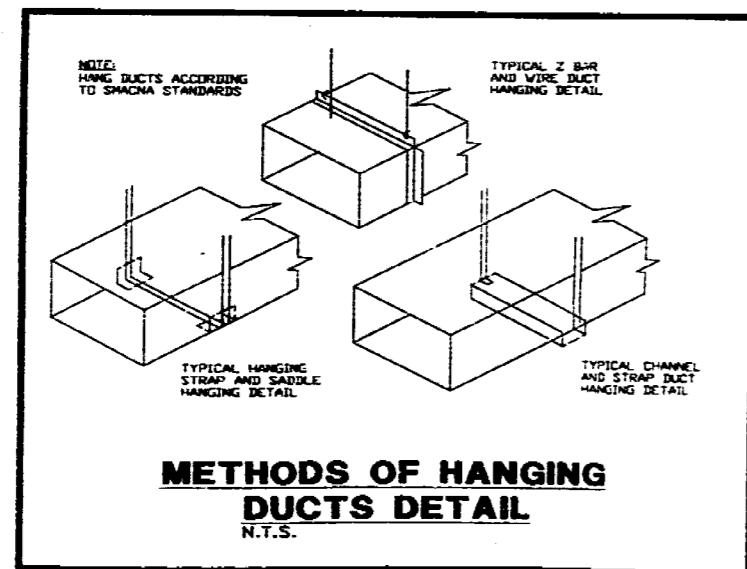


- DRAWING NOTES:**
- EXISTING 2 1/2" TON AIR COOLED CONDENSING UNIT TO REMAIN.
 - EXISTING SUPPLY DIFFUSER TO REMAIN.
 - EXISTING R/A GRILLE TO REMAIN.
 - EXISTING 14X10 DUCT SHALL BE REPLACED W/NEW 14X10 LINED SHEETMETAL DUCT W/ R-8 INSULATION AND PERFORATED METAL LINER.
 - EXISTING 12X8 SUPPLY DUCT SHALL BE REPLACED W/NEW 12X8 LINED SHEETMETAL DUCT W/ R-8 INSULATION AND PERFORATED METAL LINER.
 - REPLACE EXISTING SUPPLY GRILLE W/NEW.
 - EXISTING DUCT TO REMAIN.
 - PROVIDE NEW BATHROOM EXHAUST FAN GREENHECK MODEL SP-7 AT 100 CFM, 120-1-80, AND 80 WATTS.
 - PROVIDE 12X8 EXHAUST LOUVER (OR WALL CAP).
 - PROVIDE T-STATE TO REMAIN.
 - PROVIDE 4" DRYER EXHAUST DUCT UP TO WALL CAP.

AIR DISTRIBUTION SCHEDULE

MARK	MAKE	MODEL	SIZE	MATERIAL	FRAME TYPE	DAMPER	THROW	FINISH	REMARKS
A	TITUS	TDC-AA	6" NK 9X9	ALUMINUM	—	YES	SEE PLAN	WHITE	SEE NOTES
B	TITUS	TDC-AA	8" NK 12X12	ALUMINUM	—	YES	SEE PLAN	WHITE	SEE NOTES
C	TITUS	TDC-AA	10" NK 12X12	ALUMINUM	—	YES	SEE PLAN	WHITE	SEE NOTES
D	TITUS	272 FL	16X8	ALUMINUM	—	YES	SEE PLAN	WHITE	SEE NOTES
E	TITUS	TDC-AA	9X9	ALUMINUM	—	YES	SEE PLAN	WHITE	SEE NOTES
F	TITUS	TDC-AA	6X6	ALUMINUM	—	YES	SEE PLAN	WHITE	SEE NOTES
G	TITUS	50 F	24X24	ALUMINUM	—	YES	SEE PLAN	WHITE	SEE NOTES
H	TITUS	TDC-AA	18X8	ALUMINUM	—	YES	SEE PLAN	WHITE	SEE NOTES

① PROVIDE SQUARE TO ROUND ADAPTOR FOR SUPPLY & RETURN GRILLES THAT ARE CONNECTED TO ROUND DUCT



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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:
BUILDING DEPT. *[Signature]*

GENERAL NOTES:

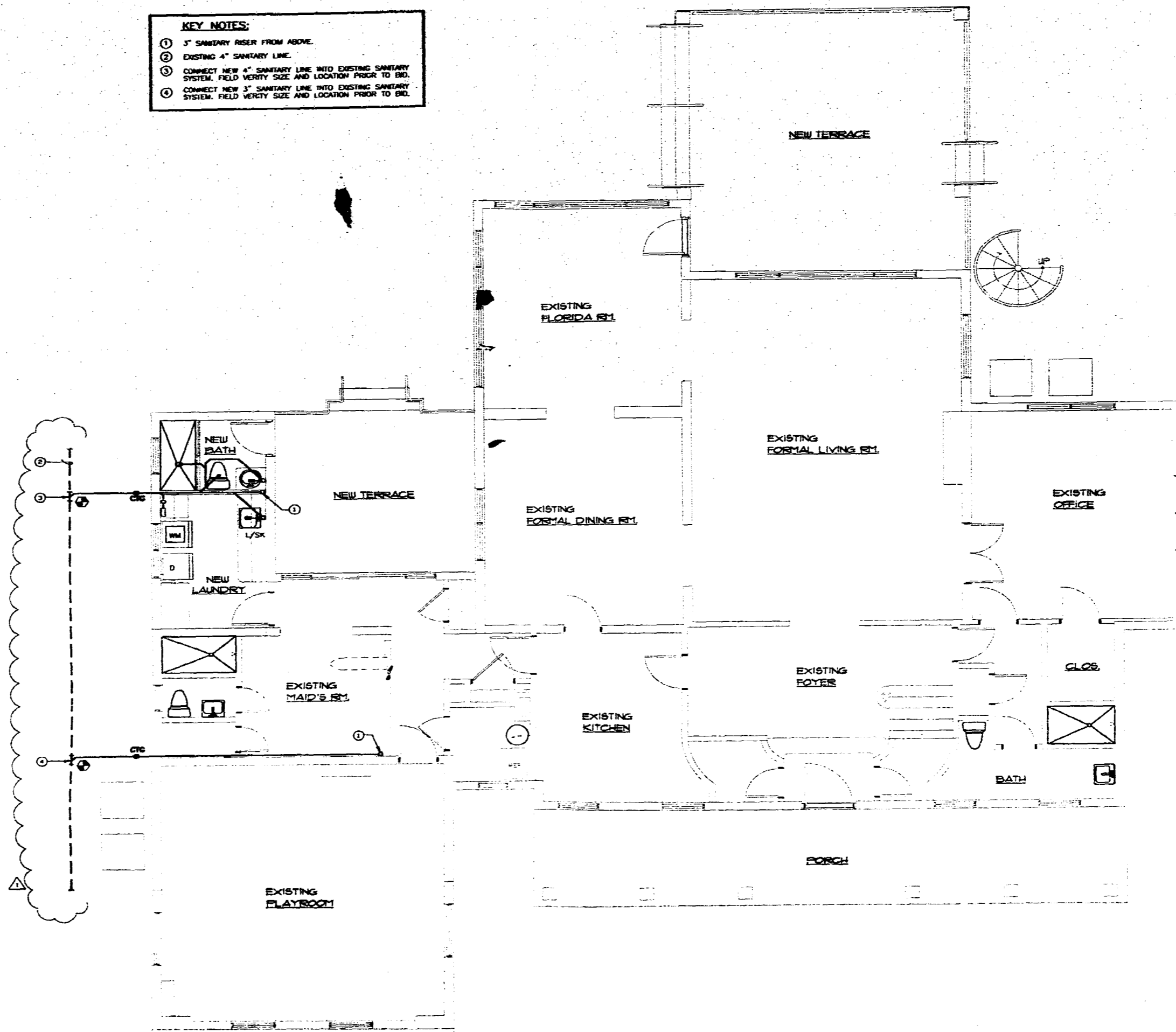
1. ALL WORKMANSHIP AND MATERIAL SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
2. CONTRACTOR SHALL VISIT THE JOB SITE & THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
3. ALL MATERIAL SHALL BE NEW.
4. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN FIRST CLASS WORKMANSHIP MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE.
5. ALL EXCAVATION AND BACKFILL SHALL BE INSURED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THE CONTRACT.
6. REQUIRED INSURANCE SHALL BE PROVIDED BY THE CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF WORK.
7. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTION AND TESTS.
8. DRAWINGS ARE DIAGNOSTIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING, EQUIPMENT, ETC.
9. ALL WORK SHALL BE COMPLETED PRIOR TO ANY INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO ENGINEER/ARCHITECT PRIOR TO THE BEGINNING OF CONSTRUCTION.
10. VERIFY LOCATION, SIZE, AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES.
11. WATER PIPING SHALL BE TYPE "L" COPPER.
12. SOIL, WASTE, VENT AND STORMDRAINAGE PIPING SHALL BE SCH 40 PVC.
13. CONDENSATE DRAIN PIPING SHALL BE ABOVE GRADE COPPER DRAIN WASTE AND VENT FITTINGS. ISOLATE ALL CONDENSATE PIPING & CONDENSATE PIPING WITH 1/2" POLYURETHANE PIPE INSULATION. ISOLATE ALL HORIZONTAL STORM DRAINAGE ABOVE GRADE AND ELECTRIC HEAT WIRE WARM WATERS EXPOSED TO FREEZING CONDITIONS.
14. ISOLATE ALL HOT WATER AND HOT WATER RETURN PIPING WITH 3/4" POLYURETHANE PIPE INSULATION.
15. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND APPROPRIATELY MARKED ACCESS PANELS. DETERMINE LOCATION WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
16. FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE.
17. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METAL IN PIPING AND EQUIPMENT CONNECTIONS.
18. ISOLATE COPPER PIPE FROM HANGER OR SUPPORTS WITH ISOLATOR AND CHAIN PULL LINES.
19. ALL FIRE RATED FLOOR & WALL PENETRATIONS SHALL BE PROPERLY PROTECTED FROM FIRE AND WATER. SEAL ALL FIRE RATED PENETRATIONS BY FILLING VOIDS BETWEEN PIPE AND WALL/FLOOR SLEEVES WITH FIRE RATED FOAM. CHANGE TECHNOLOGY CODES: CFC PRO-524 OR 3M CP-25 CALKING OR 303 PUTTY TO ACHIEVE SAME RATING AS WALLS OR FLOORS.
20. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT DELAY, CHANGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED.
21. PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM THE NEAREST PLUMBING FIXTURE.
22. DRAINS SHALL BE AS FOLLOWS: CLOSET, ROOF DRAIN (82-100-2A), REAR DRAIN & POLE (82-100-2B), (82-100-2C-VI), DRAIN IN GARAGE AREA (82-541), DRAIN IN BATHROOM AREA (82-100-2D), FLOOR SINK IN SHED OR KITCHEN AREA (82-1000-3-2D), TRENCH DRAIN (82-100-2E).
23. AS SOON AS THE WATER PIPING HAS BEEN THOROUGHLY FLUSHED OUT, STERILIZE THE NEW WATER PIPING LINES BY INTRODUCING IN THEM A SOLUTION OF CALCIUM HYPOCHLORITE OR CHLORINE OF LINE. OPEN AND CLOSE ALL NEW VALVES WHILE SYSTEM IS BEING CHLORINATED. AFTER THE STERILIZING AGENT HAS BEEN APPLIED FOR 24 HOURS, TEST FOR RESIDUAL CHLORINE AT THE ENDS OF LINES. IF LESS THAN 20 PARTS PER MILLION IS INDICATED, REPEAT THE PROCEDURE. WHEN TESTS SHOW AT LEAST 20 PARTS PER MILLION OF RESIDUAL CHLORINE, FLUSH OUT THE SYSTEM UNTIL ALL TRACES OF THE CHEMICAL AGENT ARE REMOVED. MAKE NECESSARY CONNECTIONS TO STERILIZE PIPING.
24. AFTER STERILIZATION HAS BEEN ACCOMPLISHED INSTITUTE A BACTERIOLOGICAL TEST PERFORMED BY AN APPROVED TESTING LABORATORY. WATER SHALL BE DRAWN FROM THE SYSTEM AT A POINT FURTHEST FROM THE WATER ENTRANCE TO THE BUILDING. A CERTIFIED TEST REPORT OF THESE TESTS INDICATING SATISFACTORY COLOR, TASTE, COLOR AND CHLORINE RESIDUAL SHALL BE PRESENTED TO THE ARCHITECT AND OWNER WHEN THE WATER SUPPLY PIPING SYSTEM IS SUBSTANTIALLY COMPLETED. BEFORE CONSTRUCTION ANOTHER SIMILAR TEST SHALL BE PERFORMED AT THE TIME OF ISSUANCE OF THE CERTIFICATE OF OCCUPANCY WITH ANOTHER CERTIFIED TEST REPORT PRESENTED TO THE ARCHITECT AND OWNER AT THAT TIME.
25. APPLY A WATER PRESSURE TEST TO ALL PARTS OF THE WATER PIPING SYSTEM NOT LESS THAN 150 PSIG OR 150% OVER THE SYSTEM WORKING PRESSURE WHICHEVER IS GREATER, FOR A PERIOD OF 4 HOURS. REPAIR ANY LEAKS.
26. APPLY A WATER TEST TO ALL PARTS OF THE SANITARY AND STORM DRAINAGE SYSTEMS BEFORE THE PIPES ARE COVERED OR FIXTURES SET IN PLACE. THESE TESTS MAY BE APPLIED IN SECTIONS. CLOSE ALL DRAINAGE TO EACH SYSTEM TO BE TESTED EXCEPT THE HIGHEST DRAINAGE ABOVE THE DECK AND FILL THE SYSTEM WITH WATER TO THE OVERFLOW POINTS OF THIS HIGHEST DRAINAGE. SUBJECT ALL PARTS OF THE SYSTEM TO NOT LESS THAN 80% OF THE PIPING BELOW THE OVERFLOW. LEAVE THE WATER IN THE SYSTEM FOR NOT LESS THAN 30 MINUTES, AFTER WHICH TIME NO LEAKS AT ANY POINT OR LOWERING OF THE WATER LEVEL AT THE OVERFLOW SHALL BE VISIBLE.
27. ALL SHOWER VALVES SHALL BE ANTI-SCALE/ PRESSURE BALANCING.
28. ALL PLUMBING FIXTURES SHALL MEET STATE AND LOCAL CODES.

KEY NOTES:

1. 3" SANITARY RISER FROM ABOVE.
2. EXISTING 4" SANITARY LINE.
3. CONNECT NEW 4" SANITARY LINE INTO EXISTING SANITARY SYSTEM. FIELD VERIFY SIZE AND LOCATION PRIOR TO BID.
4. CONNECT NEW 3" SANITARY LINE INTO EXISTING SANITARY SYSTEM. FIELD VERIFY SIZE AND LOCATION PRIOR TO BID.

PLUMBING SYMBOLS & ABBREVIATIONS

—●—	HOT WATER PIPE	HW
—○—	COLD WATER PIPE	CW
—○—	HOT WATER RECIRCULATING	HWR
—○—	WATER HAMMER ARRESTOR	WHA
—○—	AIR CHAMBER	AC
—○—	CHECK VALVE	CV
—○—	1/2" BSPP W/ VACUUM BREAKER & SHUT-OFF VALVE	HB
—○—	GATE VALVE (SHUT-OFF VALVE)	SDV
—○—	STORM DRAINAGE PIPE	SD
—○—	GREASE WASTE LINE	GW
—○—	SANITARY LINE	SAN
—○—	CONDENSATE LINE	CD
—○—	VENT LINE	PVT
—○—	PRESSURE RELIEF	PR
—○—	DRAIN PAN	DP
—○—	FIRE LINE	F
—○—	EXISTING GREASE WASTE LINE	EGW
—○—	EXISTING SANITARY LINE	ESAN
—○—	EXISTING COLD WATER PIPE	ECW
—○—	EXISTING HOT WATER PIPE	EHW
—○—	EXISTING STORM DRAIN PIPE	ESD
—○—	PRESSURE TEMPERATURE	P&T
—○—	DRAIN PAN	DP
—○—	WATER CLOSET	WC
—○—	VENT THRU ROOF	VTR
—○—	LAVATORY	LAV
—○—	BATH TUB/SHOWER (COMBINATION)	Y/SH
—○—	BIBEL	BB
—○—	BATH TUB	B/TUB
—○—	SHOWER	SH
—○—	BATH SINK	BS
—○—	ELECTRIC WATER HEATER	EWH
—○—	DISHWASHER	DW
—○—	KITCHEN SINK	K/SK
—○—	WASHING MACHINE	WM
—○—	ABOVE FINISH FLOOR	AF
—○—	BELOW FINISH FLOOR	BF
—○—	FLOOR CLEANOUT	FCO
—○—	WALL CLEANOUT	WCO
—○—	REOF DRAIN	RD
—○—	EXISTING LIGHTS	EL



REVISIONS	No.
BUILDING DEPT. COMMENTS (6-17-80)	1

30400 S.W. 27 AVENUE
MIAMI BEACH, FLORIDA 33157

(305) 932-5200

roger piper
architect, inc.

INCORPORATED 1958
N.A.A.C.B. certified - a.i.a. associate

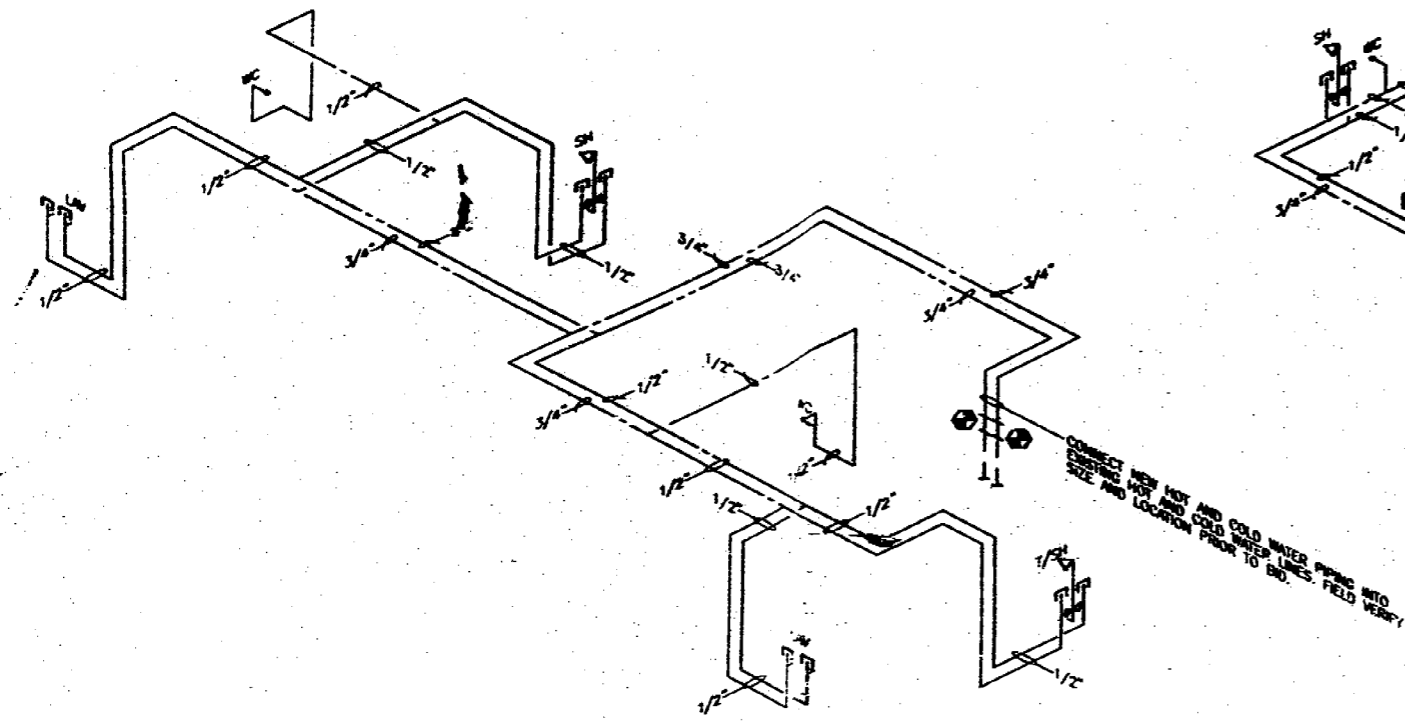
Roger Piper
6-20-81

ALTERATIONS & ADDITIONS FOR
MR. & MRS. ARIEL FURST
800 LAKE VIEW DRIVE
MIAMI BEACH, FLORIDA

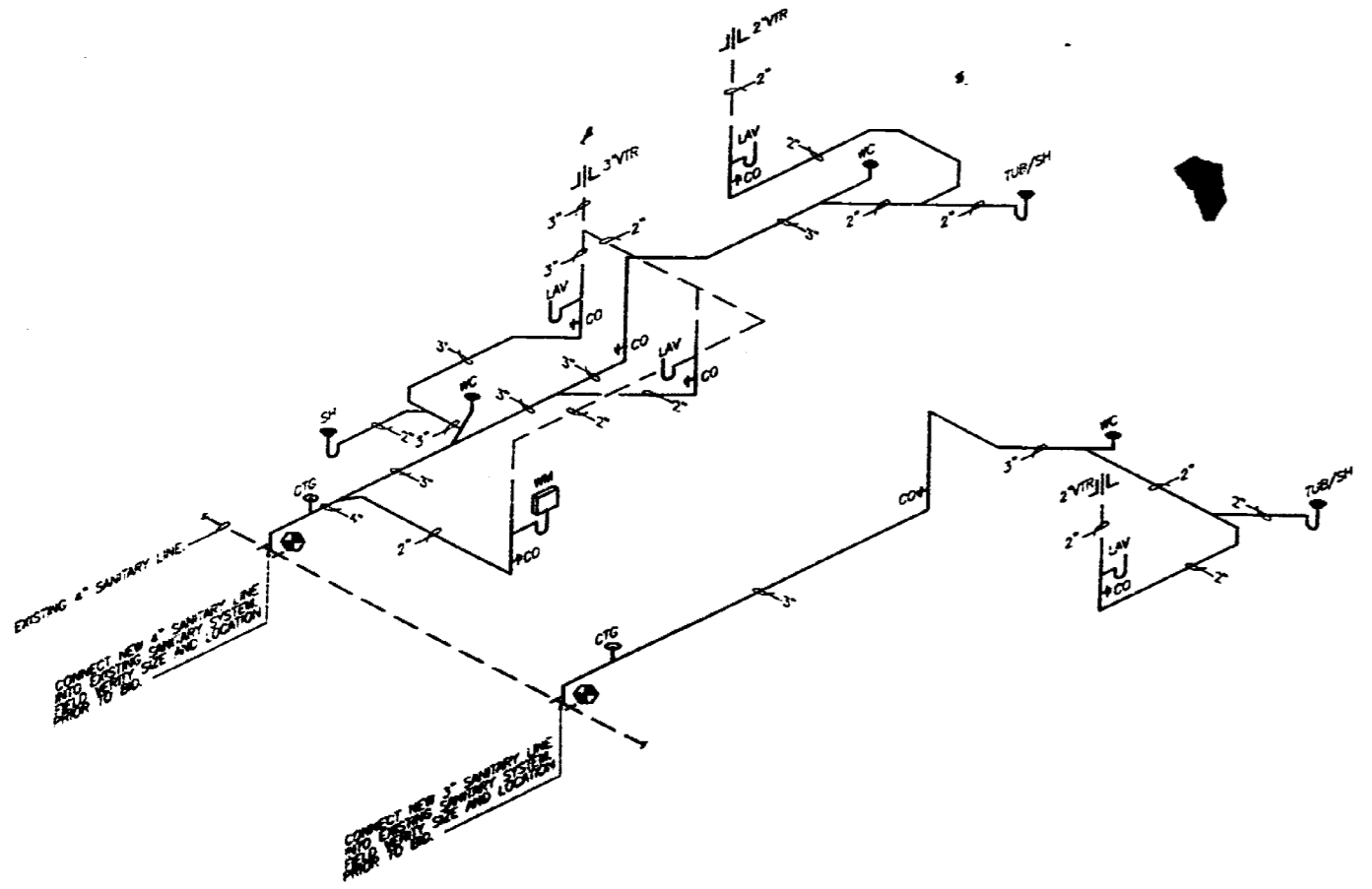
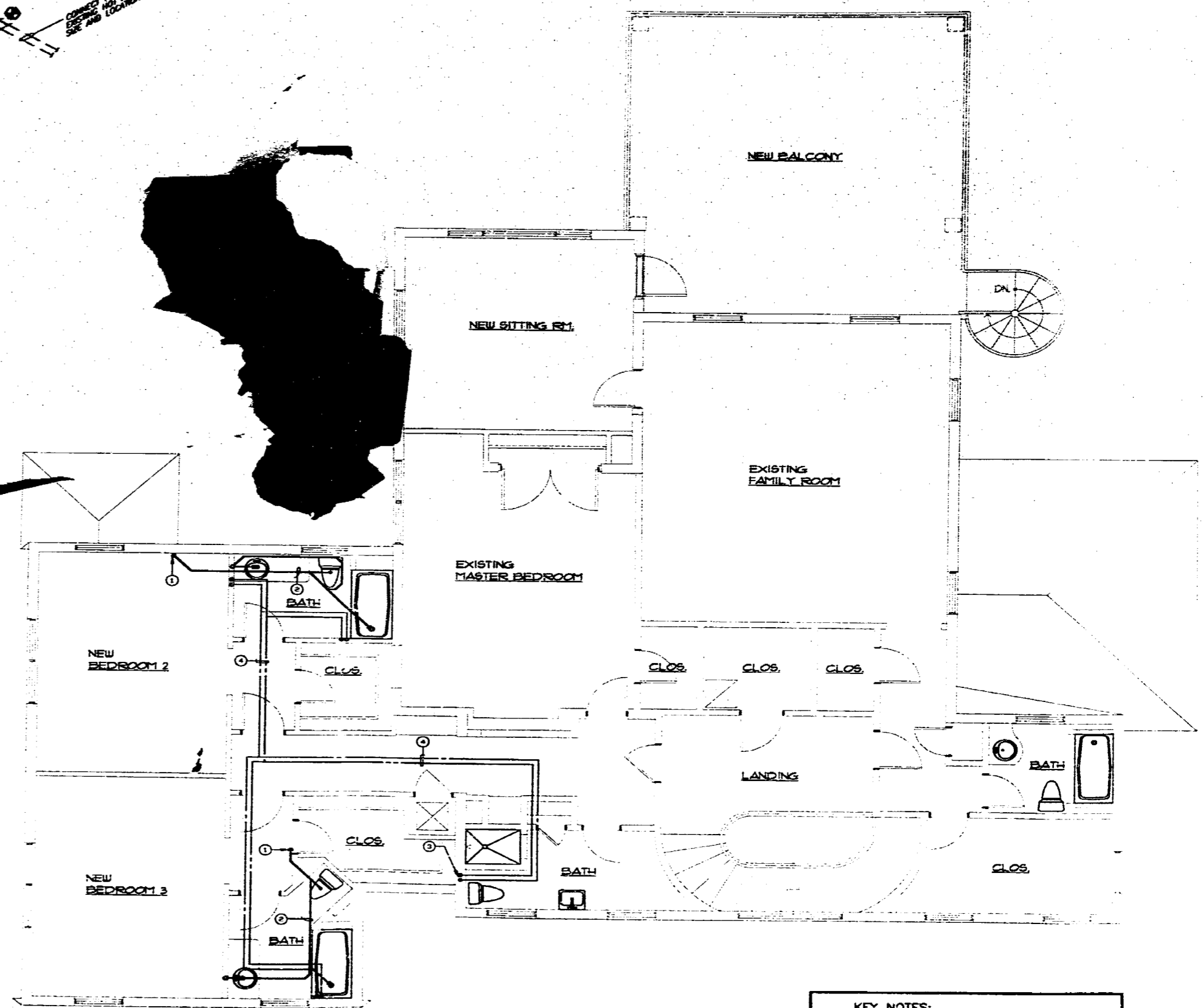
OFFICE COPY
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING: *[Signature]*
ZONING: C.B.
CONTRACTOR: *[Signature]*
CONCURRENCY: *[Signature]*



WATER ISOMETRIC
N.T.S.



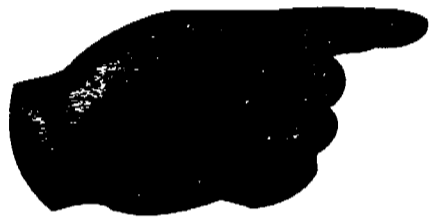
- KEY NOTES:**
- ① 3" SANITARY LINE TURN DOWN TO FLOOR BELOW.
 - ② PIPING RUNS IN CEILING OF 1ST FLOOR.
 - ③ CONNECT NEW HOT AND COLD WATER PIPING INTO EXISTING HOT AND COLD WATER LINES. FIELD VERIFY SIZE AND LOCATION PRIOR TO BID.
 - ④ PIPING RUNS IN CEILING OF 2ND FLOOR.

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

ALTERATIONS & ADDITIONS FOR (305) 932-5200



NEXT CASE



PERMIT #

B0203314

01

CITY OF MIAMI BEACH
Miami Beach, Florida 33139
Receipt of Payment

Building Work Permit

06-04-2002
Receipt: Activity Number: **0000314**
Date Applied: 05/20/2002 Date Issued: 06/04/2002 Entered By: **BULGARC**
Date Completed: 12/01/2002 Status: **APPROVED**
Site Address: **300 LAKEVIEW DR MIAMI BEACH** Balance Due: **\$0.00**
Parcel #: **3222021366** Valuation: **\$16,000.00**
Applicant: **SOUTH FLORIDA RESTORATION INC OWNER: ARNO, FURST & WILLIAM**
20366 NE 15 CT MIAMI BEACH FL 33142-2633
MIAMI BEACH FL 33142-2633

Description: **INSTALLATION OF WINDOWS AND DOORS 16 OPENINGS.**

Payments made for this receipt:

Type: **RECEIVED** Description: **APPROVED**
Payment Method: **APPROVED**
TOTAL Payment: **0.00** Payment:

Current Payment Made to the Following Items:

Account Summary for Fees and Payments:

Item Description	Account Code	Est. Fee	Paid	Prev. Pmts	Cur. Pmts
0000 Building Permits	01100022100	65.00	65.00	65.00	0.00
210 Building	01100022100	16.00	16.00	16.00	0.00
210 Permit	01100022100	16.00	16.00	16.00	0.00
420 SFPC Compliance Fee	01100022100	4.00	4.00	4.00	0.00
430 Training	01100022100	4.00	4.00	4.00	0.00
440 Sanitation Impact Fee	01100022100	4.00	4.00	4.00	0.00

MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION
BUILDING DEPARTMENT

PRODUCT CONTROL NOTICE OF ACCEPTANCE
Construction Glass Industries Corporation
7846 N.W. 62nd Street
Miami, FL 33106

CONTRACT NO. 0000314
PROJECT NO. 0000314
PRODUCT CONTROL DIVISION
300 LAKEVIEW DR MIAMI BEACH FL 33142

Your application for Notice of Acceptance (NOA) of **Series 238 Aluminum Casement Window** under Chapter 5 of the Code of Miami-Dade County governing the use of **Alternate Materials and Types of Construction** and completely approved 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 require this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO reserves the right to revoke, modify, or suspend the use of such product or material, immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

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

ACCEPTANCE NO.: **01-1900-03**
EXPIRES: **10/31/2006**

OFFICE COPY
THIS IS THE COVER SHEET. SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL REQUIREMENTS.
CITY OF MIAMI BEACH
REVISIONS DIVISION PRODUCT REVIEW COMMITTEE
APPROVED FOR PERMIT BY **R0203314**

This application for **Series 238 Aluminum Casement Window** was reviewed by the BCCO and approved by the Building Code and Product Review Committee of Miami-Dade County, Florida under the conditions set forth above.

BUILDING: _____
ZONING: _____
DRAFTING: _____
CONCRETE: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
ENGINEERING: _____
PUBLIC WORKS: _____
STRUCTURAL: _____
ACCESSIBILITY: _____
ELEVATOR: _____

APPROVED: _____
Francisco J. Dominguez, P.E.
Director
Miami-Dade County
Building Code Compliance Office

06/04/2002 06:00 PM
Internet Mail: productcontrol@dmcc.mdc.net Web Page: <http://www.dmcc.mdc.net>

Construction Glass Industries Corporation

ACCEPTANCE NO.: **0000314**

APPROVED: **November 20, 2001**
EXPIRES: **October 31, 2006**

NOTICE OF ACCEPTANCE - SPECIFIC CONDITIONS

- SCOPE**
1.1 This revises & renews Notice of Acceptance (NOA) No. 00-0329-01, which was issued on November 12, 1999. It approves aluminum casement window, as specified in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the conditions where the pressure requirements, as determined by SFBC Chapter 10, do not exceed the Design Pressure Rating values indicated in the approved drawings.
- PRODUCT DESCRIPTION**
2.1 The Series "238" Aluminum Casement Window - Non-Impact & Impact Resistant and its components shall be constructed in strict compliance with the following document, Drawing No. W95-100, Sheets 1 through 6 of 6, titled "Series - 238 Aluminum Casement Window," prepared by A. Faraco Corporation, dated 12/04/95 and revised in 9/01/01, bearing the Miami-Dade County Product Control approval stamp with the NOA number and approval date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.
- LIMITATIONS**
3.1 This approval applies to single unit installations only, as shown in approved drawings.
3.2 For Design Pressure Rating vs. Window Size, see Comparative Analysis Tables in approved drawings.
- INSTALLATION**
4.1 The aluminum casement window and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (optional) to determine whether the installation requires a hurricane protection system shall be in accordance with the approved drawings.
- 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".
- BUILDING PERMIT REQUIREMENTS**
6.1 Application for building permit shall be accompanied by, in addition to the following:
6.1.1 This Notice of Acceptance.
6.1.2 Two sets of copies of the approved drawings, as specified in Section 2 of this Notice of Acceptance, clearly marked to show the components favored for the proposed installation.
6.1.3 The other documents required by the Building Code of the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Francisco J. Dominguez, Chief
Product Control Division

01

Constructor: Glass Inc. Cert. ACCEPTANCE NO. 00-1002-03

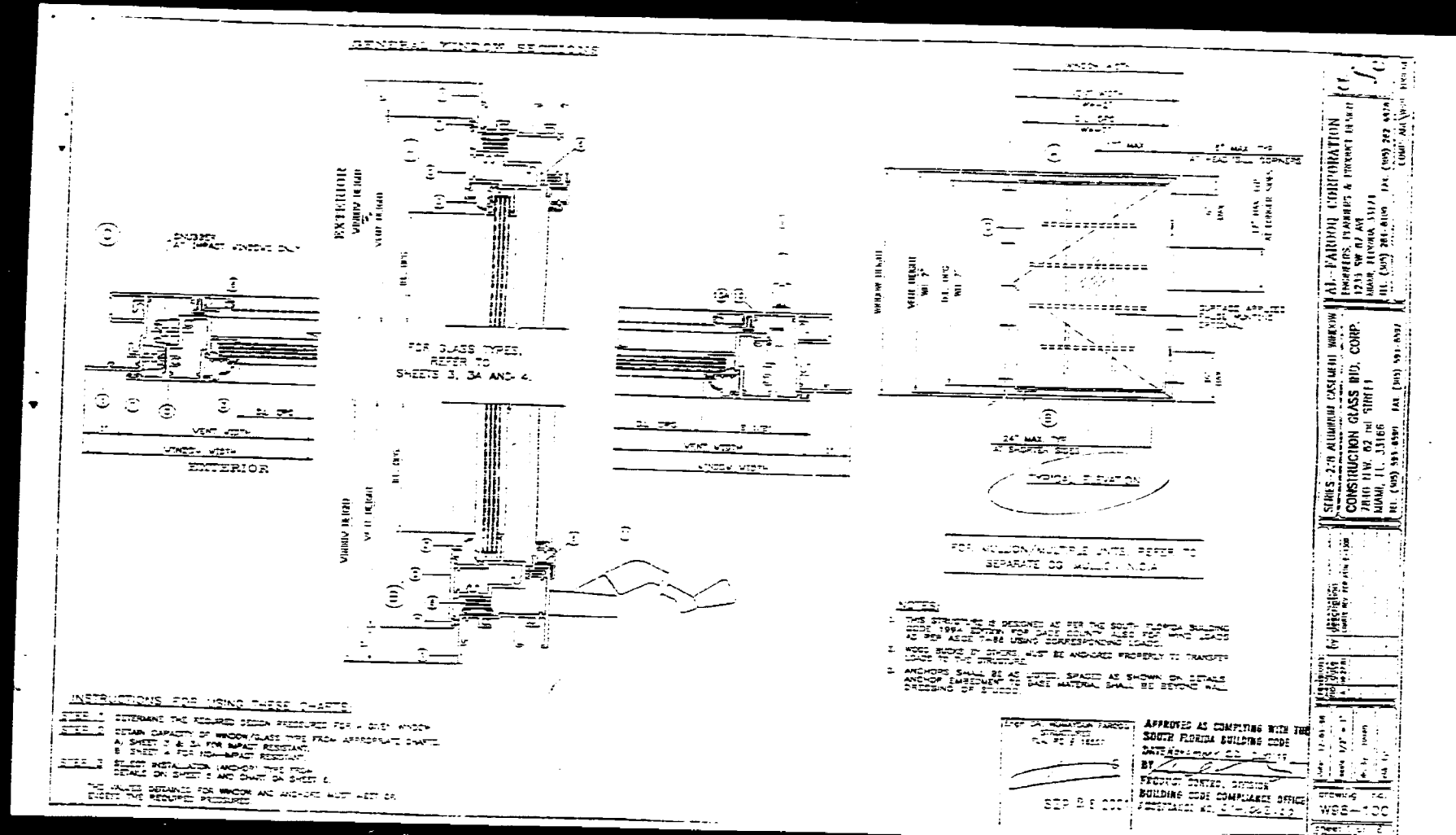
APPROVED: November 23, 2001

EXPIRES: October 31, 2006

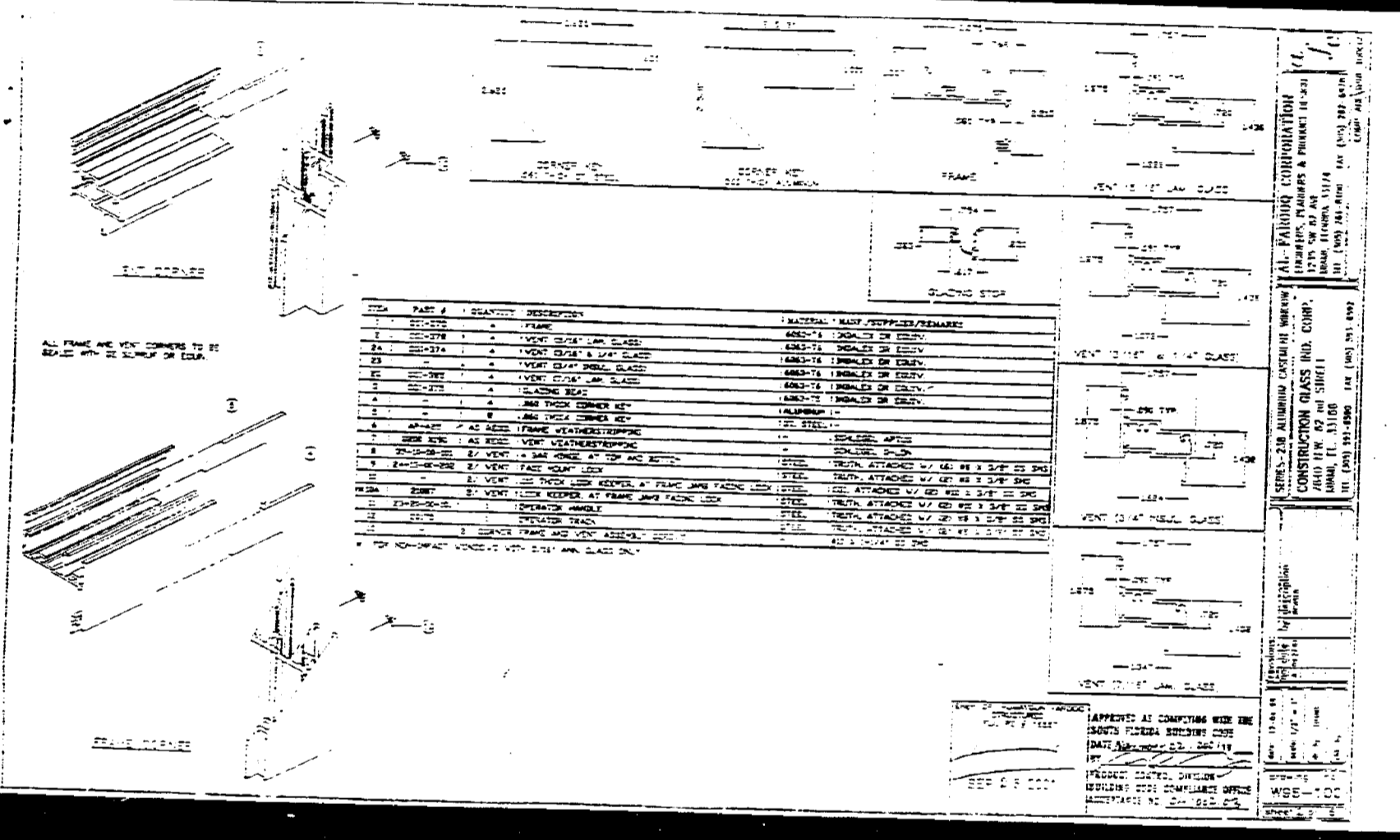
NOTICE OF ACCEPTANCE - STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submittal documentation including all supporting data engineering documents are no older than eight (8) years.
2. Any and all approved products shall be permanently stamped with the manufacturer's name, city, state and the following statement: "Miami-Dade County, Florida Central Approval of this product is 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 to 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 approval of unit 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 processed by the writer Miami-Dade County, Florida, and followed to 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 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 the last page 3.
END OF THIS ACCEPTANCE

Raul Rodriguez, Chief
Product Control Division



01



PERFORMANCE VALUES OF IMPACT RESISTANT WINDOWS

NO DAMAGING HAZARDS

NO DAMAGING HAZARDS

NO DAMAGING HAZARDS

WINDOW SIZE	GLASS TYPE 10				GLASS TYPE 12			
	WIND SPEED (MPH)	IMPACT ENERGY (FT-LBS)	GLASS TYPE 10	GLASS TYPE 12	WIND SPEED (MPH)	IMPACT ENERGY (FT-LBS)	GLASS TYPE 10	GLASS TYPE 12
24"	110.0	100.0	110.0	110.0	110.0	100.0	110.0	110.0
30"	110.0	150.0	110.0	110.0	110.0	150.0	110.0	110.0
36"	110.0	200.0	110.0	110.0	110.0	200.0	110.0	110.0
42"	110.0	250.0	110.0	110.0	110.0	250.0	110.0	110.0
48"	110.0	300.0	110.0	110.0	110.0	300.0	110.0	110.0
54"	110.0	350.0	110.0	110.0	110.0	350.0	110.0	110.0
60"	110.0	400.0	110.0	110.0	110.0	400.0	110.0	110.0
66"	110.0	450.0	110.0	110.0	110.0	450.0	110.0	110.0
72"	110.0	500.0	110.0	110.0	110.0	500.0	110.0	110.0
78"	110.0	550.0	110.0	110.0	110.0	550.0	110.0	110.0
84"	110.0	600.0	110.0	110.0	110.0	600.0	110.0	110.0
90"	110.0	650.0	110.0	110.0	110.0	650.0	110.0	110.0
96"	110.0	700.0	110.0	110.0	110.0	700.0	110.0	110.0
102"	110.0	750.0	110.0	110.0	110.0	750.0	110.0	110.0
108"	110.0	800.0	110.0	110.0	110.0	800.0	110.0	110.0
114"	110.0	850.0	110.0	110.0	110.0	850.0	110.0	110.0
120"	110.0	900.0	110.0	110.0	110.0	900.0	110.0	110.0

01



PERFORMANCE VALUES OF IMPACT RESISTANT WINDOW

WIND SPEED (MPH)	WIND DIRECTION	GLASS TYPE	IMPACT RESISTANCE (PSI)	WIND UPLIFT (PSF)	WIND INFLUX (PSF)	WIND DOWN (PSF)
20	90°	1/2" LG-10	1000	1000	1000	1000
20	135°	1/2" LG-10	1000	1000	1000	1000
20	180°	1/2" LG-10	1000	1000	1000	1000
20	225°	1/2" LG-10	1000	1000	1000	1000
20	270°	1/2" LG-10	1000	1000	1000	1000
20	315°	1/2" LG-10	1000	1000	1000	1000
20	360°	1/2" LG-10	1000	1000	1000	1000
30	90°	1/2" LG-10	1000	1000	1000	1000
30	135°	1/2" LG-10	1000	1000	1000	1000
30	180°	1/2" LG-10	1000	1000	1000	1000
30	225°	1/2" LG-10	1000	1000	1000	1000
30	270°	1/2" LG-10	1000	1000	1000	1000
30	315°	1/2" LG-10	1000	1000	1000	1000
30	360°	1/2" LG-10	1000	1000	1000	1000
40	90°	1/2" LG-10	1000	1000	1000	1000
40	135°	1/2" LG-10	1000	1000	1000	1000
40	180°	1/2" LG-10	1000	1000	1000	1000
40	225°	1/2" LG-10	1000	1000	1000	1000
40	270°	1/2" LG-10	1000	1000	1000	1000
40	315°	1/2" LG-10	1000	1000	1000	1000
40	360°	1/2" LG-10	1000	1000	1000	1000

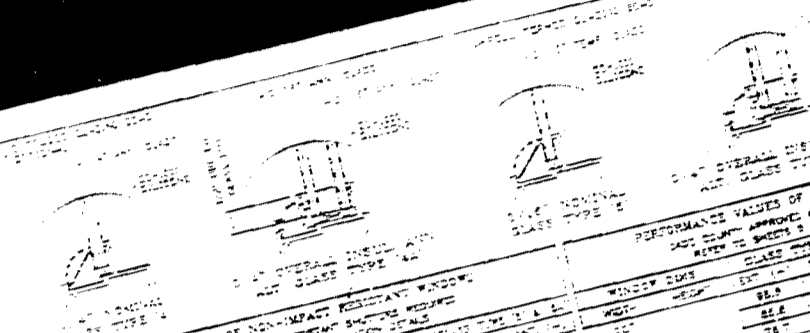
APPROVED AS COMPLIANT WITH THE SOUTH FLORIDA BUILDING CODE

DATE: 10/15/11

BY: [Signature]

PROJECT: [Project Name]

OFFICE: [Office Name]



PERFORMANCE VALUES OF NON-IMPACT RESISTANT WINDOW

WIND SPEED (MPH)	WIND DIRECTION	GLASS TYPE	IMPACT RESISTANCE (PSI)	WIND UPLIFT (PSF)	WIND INFLUX (PSF)	WIND DOWN (PSF)
20	90°	1/2" LG-10	1000	1000	1000	1000
20	135°	1/2" LG-10	1000	1000	1000	1000
20	180°	1/2" LG-10	1000	1000	1000	1000
20	225°	1/2" LG-10	1000	1000	1000	1000
20	270°	1/2" LG-10	1000	1000	1000	1000
20	315°	1/2" LG-10	1000	1000	1000	1000
20	360°	1/2" LG-10	1000	1000	1000	1000
30	90°	1/2" LG-10	1000	1000	1000	1000
30	135°	1/2" LG-10	1000	1000	1000	1000
30	180°	1/2" LG-10	1000	1000	1000	1000
30	225°	1/2" LG-10	1000	1000	1000	1000
30	270°	1/2" LG-10	1000	1000	1000	1000
30	315°	1/2" LG-10	1000	1000	1000	1000
30	360°	1/2" LG-10	1000	1000	1000	1000
40	90°	1/2" LG-10	1000	1000	1000	1000
40	135°	1/2" LG-10	1000	1000	1000	1000
40	180°	1/2" LG-10	1000	1000	1000	1000
40	225°	1/2" LG-10	1000	1000	1000	1000
40	270°	1/2" LG-10	1000	1000	1000	1000
40	315°	1/2" LG-10	1000	1000	1000	1000
40	360°	1/2" LG-10	1000	1000	1000	1000

APPROVED AS COMPLIANT WITH THE SOUTH FLORIDA BUILDING CODE

DATE: 10/15/11

BY: [Signature]

PROJECT: [Project Name]

OFFICE: [Office Name]

01

PERFORMANCE TABLE FOR DISCRETE UNIT				PERFORMANCE TABLE FOR INSTALLATION OF			
ANSI/ESR-174, TYPE 1				ANSI/ESR-174, TYPE 2			
WIND SPEED	WIND DIRECTION	WIND DIRECTION	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND DIRECTION	WIND DIRECTION
20"	150.0	150.0	150.0	20"	175.0	175.0	175.0
24"	180.0	180.0	180.0	24"	210.0	210.0	210.0
28"	210.0	210.0	210.0	28"	245.0	245.0	245.0
32"	240.0	240.0	240.0	32"	280.0	280.0	280.0
36"	270.0	270.0	270.0	36"	315.0	315.0	315.0
40"	300.0	300.0	300.0	40"	350.0	350.0	350.0
44"	330.0	330.0	330.0	44"	385.0	385.0	385.0
48"	360.0	360.0	360.0	48"	420.0	420.0	420.0
52"	390.0	390.0	390.0	52"	455.0	455.0	455.0
56"	420.0	420.0	420.0	56"	490.0	490.0	490.0
60"	450.0	450.0	450.0	60"	525.0	525.0	525.0
64"	480.0	480.0	480.0	64"	560.0	560.0	560.0
68"	510.0	510.0	510.0	68"	595.0	595.0	595.0
72"	540.0	540.0	540.0	72"	630.0	630.0	630.0
76"	570.0	570.0	570.0	76"	665.0	665.0	665.0
80"	600.0	600.0	600.0	80"	700.0	700.0	700.0
84"	630.0	630.0	630.0	84"	735.0	735.0	735.0
88"	660.0	660.0	660.0	88"	770.0	770.0	770.0
92"	690.0	690.0	690.0	92"	805.0	805.0	805.0
96"	720.0	720.0	720.0	96"	840.0	840.0	840.0
100"	750.0	750.0	750.0	100"	875.0	875.0	875.0
104"	780.0	780.0	780.0	104"	910.0	910.0	910.0
108"	810.0	810.0	810.0	108"	945.0	945.0	945.0
112"	840.0	840.0	840.0	112"	980.0	980.0	980.0
116"	870.0	870.0	870.0	116"	1015.0	1015.0	1015.0
120"	900.0	900.0	900.0	120"	1050.0	1050.0	1050.0

ANCHORE
AT 90° CORNERS AND 180° END BRACING

TYPE 'A' - **GLASS PANELS**
THRU 1/2" WOOD BUDGES INTO MASONRY OR DIRECTLY INTO EDGE OF MASONRY 1-1/4" MIN. MASONRY EMBED.

TYPE 'B' - **GLASS PANELS**
THRU 1/2" WOOD BUDGES INTO MASONRY OR DIRECTLY INTO EDGE OF MASONRY 1-1/4" MIN. WOOD EMBEDMENT.

TYPE 'C' - **GLASS PANELS**
THRU 1/2" WOOD BUDGES INTO MASONRY OR DIRECTLY INTO EDGE OF MASONRY 1-1/4" MIN. MASONRY EMBED.

INTO METAL STRUCTURES

INTO DADA COUNTY APPROVED MULLIONS

INTO METAL STRUCTURES

TAPONS AS MANUFACTURED BY LICO

ALU. FABRICATION CORPORATION
11000 N.W. 22nd Street, Suite 100
Miami, FL 33187
Tel: (305) 251-1100
Fax: (305) 251-1101

SHIRAZ, SAIB, ANTHONY, CASHMAN, WARD
11000 N.W. 22nd Street, Suite 100
Miami, FL 33187
Tel: (305) 251-1100
Fax: (305) 251-1101

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
BY
FRANCIS J. QUINLAN, P.E.
DIRECTOR
MIAMI-DADE COUNTY BUILDING CODE COMPLIANCE OFFICE

WSS-100

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FACILITIES BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FACILITIES BUILDING
40 WEST PALMER STREET, SUITE 400
MIAMI, FLORIDA 33128-2200
305 375-2900 FAX 305 375-2908

CONTRACTOR LICENSING SECTION
390 WEST 17th ST, SUITE 201
MIAMI, FLORIDA 33135
305 375-2900 FAX 305 375-2908

CONTRACTOR ENFORCEMENT DIVISION
6801 PINEHURST AVE, SUITE 212-202
MIAMI, FLORIDA 33154
305 775-2400 FAX 305 775-2400

PRODUCT CONTROL NOTICE OF ACCEPTANCE
Construction Glass Industries Corporation
7840 N.W. 62nd Street
Miami, FL 33166

Your application for Notice of Acceptance (NOA) of Series 138 Aluminum Fixed Window - Non-Impact & Impact Resistant under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to require this product or material at any time from a producer 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.: **SLP118.01**
EXPIRES: **07/02/2001**

Francis J. Quinlan, P.E.
Chief Product Control Division

OFFICE COPY
THIS NOA IS THE PROPERTY OF THE CITY OF MIAMI BEACH. IT IS TO BE USED FOR SPECIFIC AND GENERAL PURPOSES ONLY. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE CITY OF MIAMI BEACH.

CITY OF MIAMI BEACH
This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Safety Department. It is subject to the Building Code of Miami-Dade County, Florida under the conditions set forth above.

APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING: _____
ZONING: _____
DRS/FRS: _____
CONCURRENCY: _____
APPROVED: _____

ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
ENGINEERS: _____
PUBLIC WORKS: _____
STRUCTURAL: _____
ACCESSIBILITY: _____

Internet: BuildingCode@miamicity.com Homepage: <http://www.buildingcode.com>

01

Construction Glass Industries Corp. ACCEPTANCE No.: 01-0018-01
APPROVED : OCT 25 2001
EXPIRES : September 30, 2006

NOTICE OF ACCEPTANCE - SPECIFIC CONDITIONS

1. SCOPE
- 1.1 This revises and renews the Notice of Acceptance No. 00-0210-01, which was issued on August 24, 2000. It approves an aluminum fixed window, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 27, do not exceed the Design Pressure Rating values indicated in the approved drawings.
2. PRODUCT DESCRIPTION
- 2.1 The Series 238 Aluminum Fixed Window - Non-Impact and Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No. W99-10, titled "Series 238 Aluminum Fixed Window" Sheets 1, 2, 3, 3A, 4, 5 and 6 of 6 dated 02/19/99, with revision C dated 10/04/01, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.
3. LIMITATIONS
- 3.1 This approval applies to single unit applications only, as shown in approved drawings.
- 3.2 For Design Pressure Rating vs. Window Size, see Comparative Analysis Tables for non-impact and impact resistant windows in separate sheets of approved drawings.
4. INSTALLATION
- 4.1 The aluminum fixed window and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters) to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.
5. LABELING
- 5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".
6. BUILDING PERMIT REQUIREMENTS
- 6.1 Application for building permit shall be accompanied by copies of the following:
 - 6.1.1 This Notice of Acceptance;
 - 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation;
 - 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

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

Construction Glass Industries Corp. ACCEPTANCE No.: 01-0018-01
APPROVED : OCT 25 2001
EXPIRES : September 30, 2006

NOTICE OF ACCEPTANCE - STANDARD CONDITIONS

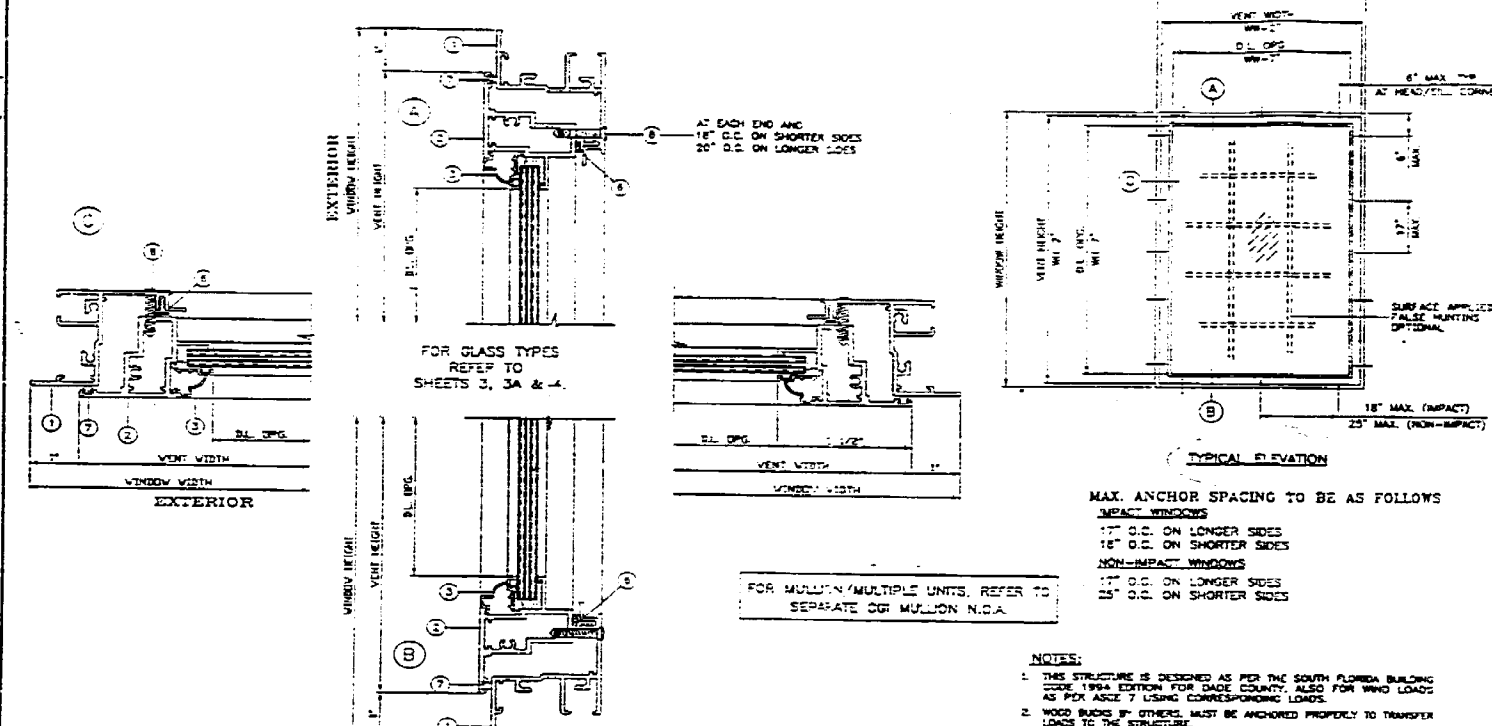
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed, and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation usually 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

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

01

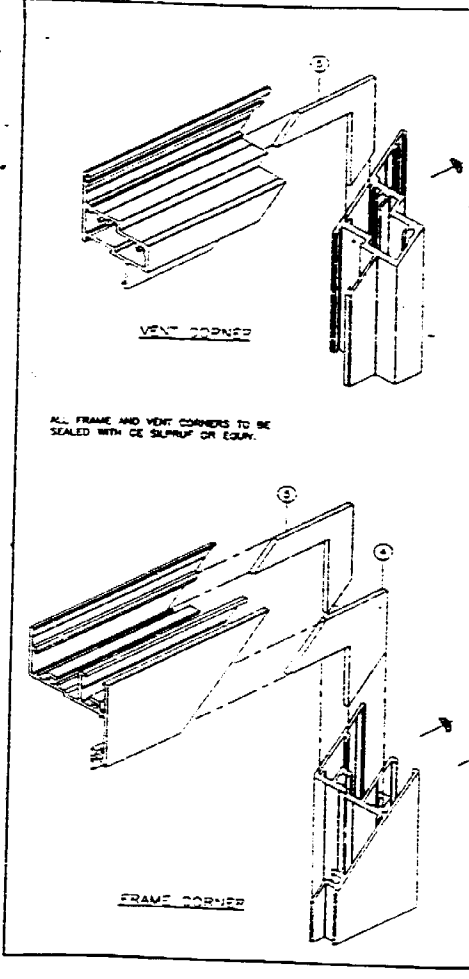
GENERAL WINDOW SECTIONS



INSTRUCTIONS FOR USING THESE CHARTS:
STEP 1 - DETERMINE THE REQUIRED DESIGN PRESSURES FOR A GIVEN WINDOW
STEP 2 - DETERMINE THE DESIGN PRESSURES FROM APPROPRIATE CHARTS
STEP 3 - DETERMINE THE REQUIRED WINDOW TYPE FROM APPROPRIATE CHARTS
STEP 4 - DETERMINE THE REQUIRED WINDOW TYPE FROM APPROPRIATE CHARTS
STEP 5 - SELECT INSTALLATION (ANCHOR) TYPE FROM CHARTS OR SHEET 3 AND CHART OR SHEET 4
 THE VALUES OBTAINED FOR WINDOW AND ANCHORS MUST MEET OR EXCEED THE REQUIRED PRESSURES.

DATE: OCT 4 2001

AL-FABRIQ CORPORATION
 1000 W. 17th Street, Suite 100
 Pompano Beach, FL 33062
 TEL: (305) 941-1000 FAX: (305) 941-1001
 WWW: www.alfabriq.com



ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
1	001-272	4	FRAME	ALUMINUM	
2	001-278	1	VENT CORNER	ALUMINUM	
2A	001-274	4	VENT CORNER	ALUMINUM	
3	001-279	1	VENT CORNER	ALUMINUM	
3A	001-275	4	VENT CORNER	ALUMINUM	
4	001-277	4	GLAZING BEAD	ALUMINUM	
4A	001-273	4	GLAZING BEAD	ALUMINUM	
5	001-276	4	GLAZING STOP	ALUMINUM	
6	001-271	4	GLAZING STOP	ALUMINUM	
7	001-270	4	GLAZING STOP	ALUMINUM	
8	001-270	4	GLAZING STOP	ALUMINUM	
9	001-270	4	GLAZING STOP	ALUMINUM	
10	001-270	4	GLAZING STOP	ALUMINUM	
11	001-270	4	GLAZING STOP	ALUMINUM	
12	001-270	4	GLAZING STOP	ALUMINUM	
13	001-270	4	GLAZING STOP	ALUMINUM	
14	001-270	4	GLAZING STOP	ALUMINUM	
15	001-270	4	GLAZING STOP	ALUMINUM	
16	001-270	4	GLAZING STOP	ALUMINUM	
17	001-270	4	GLAZING STOP	ALUMINUM	
18	001-270	4	GLAZING STOP	ALUMINUM	
19	001-270	4	GLAZING STOP	ALUMINUM	
20	001-270	4	GLAZING STOP	ALUMINUM	
21	001-270	4	GLAZING STOP	ALUMINUM	
22	001-270	4	GLAZING STOP	ALUMINUM	
23	001-270	4	GLAZING STOP	ALUMINUM	
24	001-270	4	GLAZING STOP	ALUMINUM	
25	001-270	4	GLAZING STOP	ALUMINUM	
26	001-270	4	GLAZING STOP	ALUMINUM	
27	001-270	4	GLAZING STOP	ALUMINUM	
28	001-270	4	GLAZING STOP	ALUMINUM	
29	001-270	4	GLAZING STOP	ALUMINUM	
30	001-270	4	GLAZING STOP	ALUMINUM	
31	001-270	4	GLAZING STOP	ALUMINUM	
32	001-270	4	GLAZING STOP	ALUMINUM	
33	001-270	4	GLAZING STOP	ALUMINUM	
34	001-270	4	GLAZING STOP	ALUMINUM	
35	001-270	4	GLAZING STOP	ALUMINUM	
36	001-270	4	GLAZING STOP	ALUMINUM	
37	001-270	4	GLAZING STOP	ALUMINUM	
38	001-270	4	GLAZING STOP	ALUMINUM	
39	001-270	4	GLAZING STOP	ALUMINUM	
40	001-270	4	GLAZING STOP	ALUMINUM	
41	001-270	4	GLAZING STOP	ALUMINUM	
42	001-270	4	GLAZING STOP	ALUMINUM	
43	001-270	4	GLAZING STOP	ALUMINUM	
44	001-270	4	GLAZING STOP	ALUMINUM	
45	001-270	4	GLAZING STOP	ALUMINUM	
46	001-270	4	GLAZING STOP	ALUMINUM	
47	001-270	4	GLAZING STOP	ALUMINUM	
48	001-270	4	GLAZING STOP	ALUMINUM	
49	001-270	4	GLAZING STOP	ALUMINUM	
50	001-270	4	GLAZING STOP	ALUMINUM	

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
1	001-272	4	FRAME	ALUMINUM	
2	001-278	1	VENT CORNER	ALUMINUM	
2A	001-274	4	VENT CORNER	ALUMINUM	
3	001-279	1	VENT CORNER	ALUMINUM	
3A	001-275	4	VENT CORNER	ALUMINUM	
4	001-277	4	GLAZING BEAD	ALUMINUM	
4A	001-273	4	GLAZING BEAD	ALUMINUM	
5	001-276	4	GLAZING STOP	ALUMINUM	
6	001-271	4	GLAZING STOP	ALUMINUM	
7	001-270	4	GLAZING STOP	ALUMINUM	
8	001-270	4	GLAZING STOP	ALUMINUM	
9	001-270	4	GLAZING STOP	ALUMINUM	
10	001-270	4	GLAZING STOP	ALUMINUM	
11	001-270	4	GLAZING STOP	ALUMINUM	
12	001-270	4	GLAZING STOP	ALUMINUM	
13	001-270	4	GLAZING STOP	ALUMINUM	
14	001-270	4	GLAZING STOP	ALUMINUM	
15	001-270	4	GLAZING STOP	ALUMINUM	
16	001-270	4	GLAZING STOP	ALUMINUM	
17	001-270	4	GLAZING STOP	ALUMINUM	
18	001-270	4	GLAZING STOP	ALUMINUM	
19	001-270	4	GLAZING STOP	ALUMINUM	
20	001-270	4	GLAZING STOP	ALUMINUM	
21	001-270	4	GLAZING STOP	ALUMINUM	
22	001-270	4	GLAZING STOP	ALUMINUM	
23	001-270	4	GLAZING STOP	ALUMINUM	
24	001-270	4	GLAZING STOP	ALUMINUM	
25	001-270	4	GLAZING STOP	ALUMINUM	
26	001-270	4	GLAZING STOP	ALUMINUM	
27	001-270	4	GLAZING STOP	ALUMINUM	
28	001-270	4	GLAZING STOP	ALUMINUM	
29	001-270	4	GLAZING STOP	ALUMINUM	
30	001-270	4	GLAZING STOP	ALUMINUM	
31	001-270	4	GLAZING STOP	ALUMINUM	
32	001-270	4	GLAZING STOP	ALUMINUM	
33	001-270	4	GLAZING STOP	ALUMINUM	
34	001-270	4	GLAZING STOP	ALUMINUM	
35	001-270	4	GLAZING STOP	ALUMINUM	
36	001-270	4	GLAZING STOP	ALUMINUM	
37	001-270	4	GLAZING STOP	ALUMINUM	
38	001-270	4	GLAZING STOP	ALUMINUM	
39	001-270	4	GLAZING STOP	ALUMINUM	
40	001-270	4	GLAZING STOP	ALUMINUM	
41	001-270	4	GLAZING STOP	ALUMINUM	
42	001-270	4	GLAZING STOP	ALUMINUM	
43	001-270	4	GLAZING STOP	ALUMINUM	
44	001-270	4	GLAZING STOP	ALUMINUM	
45	001-270	4	GLAZING STOP	ALUMINUM	
46	001-270	4	GLAZING STOP	ALUMINUM	
47	001-270	4	GLAZING STOP	ALUMINUM	
48	001-270	4	GLAZING STOP	ALUMINUM	
49	001-270	4	GLAZING STOP	ALUMINUM	
50	001-270	4	GLAZING STOP	ALUMINUM	

DATE: OCT 4 2001

AL-FABRIQ CORPORATION
 1000 W. 17th Street, Suite 100
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01

1/4" NOMINAL GLASS TYPE "4"

3/4" OVERALL INSUL. ANN. ALT. GLASS TYPE "4A"

3/16" NOMINAL GLASS TYPE "5"

3/4" OVERALL INSUL. TEMP. ALT. GLASS TYPE "5A"

PERFORMANCE VALUES OF NON-IMPACT RESISTANT WINDOWS
SHOCK SOURCE APPROVED IMPACT RESISTANT SHATTERS REQUIRED
 REFER TO SHEETS 3 AND 8 FOR INSTALLATION DETAILS

WINDOW DIMS	GLASS TYPE "4"	GLASS TYPE "4A"	GLASS TYPE "5"	GLASS TYPE "5A"					
WIDTH	HEIGHT	EXT. (C)	INT. (C)	EXT. (C)	INT. (C)	EXT. (C)	INT. (C)	EXT. (C)	INT. (C)
24"	36"	81.7	81.7	81.7	81.7	110.0	129.9		
30"	36"	87.7	87.7	87.7	87.7	110.0	130.5		
36"	36"	93.7	93.7	93.7	93.7	110.0	131.1		
42"	36"	99.7	99.7	99.7	99.7	110.0	131.7		
48"	36"	105.7	105.7	105.7	105.7	110.0	132.3		
54"	36"	111.7	111.7	111.7	111.7	110.0	132.9		
24"	42"	81.7	81.7	81.7	81.7	110.0	130.5		
30"	42"	87.7	87.7	87.7	87.7	110.0	131.1		
36"	42"	93.7	93.7	93.7	93.7	110.0	131.7		
42"	42"	99.7	99.7	99.7	99.7	110.0	132.3		
48"	42"	105.7	105.7	105.7	105.7	110.0	132.9		
54"	42"	111.7	111.7	111.7	111.7	110.0	133.5		
24"	48"	81.7	81.7	81.7	81.7	110.0	130.5		
30"	48"	87.7	87.7	87.7	87.7	110.0	131.1		
36"	48"	93.7	93.7	93.7	93.7	110.0	131.7		
42"	48"	99.7	99.7	99.7	99.7	110.0	132.3		
48"	48"	105.7	105.7	105.7	105.7	110.0	132.9		
54"	48"	111.7	111.7	111.7	111.7	110.0	133.5		
24"	54"	81.7	81.7	81.7	81.7	110.0	130.5		
30"	54"	87.7	87.7	87.7	87.7	110.0	131.1		
36"	54"	93.7	93.7	93.7	93.7	110.0	131.7		
42"	54"	99.7	99.7	99.7	99.7	110.0	132.3		
48"	54"	105.7	105.7	105.7	105.7	110.0	132.9		
54"	54"	111.7	111.7	111.7	111.7	110.0	133.5		

PERFORMANCE VALUES OF NON-IMPACT RESISTANT WINDOWS
SHOCK SOURCE APPROVED IMPACT RESISTANT SHATTERS REQUIRED
 REFER TO SHEETS 3 AND 8 FOR INSTALLATION DETAILS

WINDOW DIMS	GLASS TYPE "4"	GLASS TYPE "4A"	GLASS TYPE "5"	GLASS TYPE "5A"					
WIDTH	HEIGHT	EXT. (C)	INT. (C)	EXT. (C)	INT. (C)	EXT. (C)	INT. (C)	EXT. (C)	INT. (C)
24"	60"	81.7	81.7	81.7	81.7	110.0	130.5		
30"	60"	87.7	87.7	87.7	87.7	110.0	131.1		
36"	60"	93.7	93.7	93.7	93.7	110.0	131.7		
42"	60"	99.7	99.7	99.7	99.7	110.0	132.3		
48"	60"	105.7	105.7	105.7	105.7	110.0	132.9		
54"	60"	111.7	111.7	111.7	111.7	110.0	133.5		
24"	66"	79.9	79.9	79.9	79.9	110.0	128.9		
30"	66"	85.9	85.9	85.9	85.9	110.0	129.5		
36"	66"	91.9	91.9	91.9	91.9	110.0	130.1		
42"	66"	97.9	97.9	97.9	97.9	110.0	130.7		
48"	66"	103.9	103.9	103.9	103.9	110.0	131.3		
54"	66"	109.9	109.9	109.9	109.9	110.0	131.9		
24"	72"	78.4	78.4	78.4	78.4	110.0	126.9		
30"	72"	84.4	84.4	84.4	84.4	110.0	127.5		
36"	72"	90.4	90.4	90.4	90.4	110.0	128.1		
42"	72"	96.4	96.4	96.4	96.4	110.0	128.7		
48"	72"	102.4	102.4	102.4	102.4	110.0	129.3		
54"	72"	108.4	108.4	108.4	108.4	110.0	129.9		
24"	78"	77.2	77.2	77.2	77.2	110.0	125.9		
30"	78"	83.2	83.2	83.2	83.2	110.0	126.5		
36"	78"	89.2	89.2	89.2	89.2	110.0	127.1		
42"	78"	95.2	95.2	95.2	95.2	110.0	127.7		
48"	78"	101.2	101.2	101.2	101.2	110.0	128.3		
54"	78"	107.2	107.2	107.2	107.2	110.0	128.9		
24"	84"	76.2	76.2	76.2	76.2	110.0	121.9		
30"	84"	82.2	82.2	82.2	82.2	110.0	122.5		
36"	84"	88.2	88.2	88.2	88.2	110.0	123.1		
42"	84"	94.2	94.2	94.2	94.2	110.0	123.7		
48"	84"	100.2	100.2	100.2	100.2	110.0	124.3		
54"	84"	106.2	106.2	106.2	106.2	110.0	124.9		
24"	90"	74.7	74.7	74.7	74.7	110.0	116.9		
30"	90"	80.7	80.7	80.7	80.7	110.0	117.5		
36"	90"	86.7	86.7	86.7	86.7	110.0	118.1		
42"	90"	92.7	92.7	92.7	92.7	110.0	118.7		
48"	90"	98.7	98.7	98.7	98.7	110.0	119.3		
54"	90"	104.7	104.7	104.7	104.7	110.0	119.9		
24"	96"	73.7	73.7	73.7	73.7	110.0	110.9		
30"	96"	79.7	79.7	79.7	79.7	110.0	111.5		
36"	96"	85.7	85.7	85.7	85.7	110.0	112.1		
42"	96"	91.7	91.7	91.7	91.7	110.0	112.7		
48"	96"	97.7	97.7	97.7	97.7	110.0	113.3		
54"	96"	103.7	103.7	103.7	103.7	110.0	113.9		
24"	102"	72.2	72.2	72.2	72.2	110.0	101.9		
30"	102"	78.2	78.2	78.2	78.2	110.0	102.5		
36"	102"	84.2	84.2	84.2	84.2	110.0	103.1		
42"	102"	90.2	90.2	90.2	90.2	110.0	103.7		
48"	102"	96.2	96.2	96.2	96.2	110.0	104.3		
54"	102"	102.2	102.2	102.2	102.2	110.0	104.9		

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE **OCT 25 2001**
 BY *[Signature]*
 PROJECT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-03113-01

OCT 4 2001

W99-10

AL-FAROOQ CORPORATION
 LICENSED FABRICATORS & PRODUCT DESIGN
 7840 N.W. 52nd STREET
 MIAMI, FLORIDA 33179
 TEL: (305) 381-1100 FAX: (305) 381-8224
 WWW.ALFAROOQ.COM

INSTALLATION CONDITIONS (APPLIES TO ALL EDGE SIDES)
FOR HIGHER PERFORMANCE VALUES SEE SHEET 6

INSTALLATION TYPE "1A"
WOOD BUCK TYPE "1A"
MATERIAL: PRESSURE TREATED

INSTALLATION TYPE "1B"
WOOD BUCK TYPE "1B"
MATERIAL: PRESSURE TREATED

INSTALLATION TYPE "1C"
WOOD BUCK TYPE "1C"
MATERIAL: PRESSURE TREATED

INSTALLATION TYPE "1D"
WOOD BUCK TYPE "1D"
MATERIAL: PRESSURE TREATED

WOOD BUCKS NOT BY GC CORP. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE **OCT 25 2001**
 BY *[Signature]*
 PROJECT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-03113-01

OCT 4 2001

W99-10

AL-FAROOQ CORPORATION
 LICENSED FABRICATORS & PRODUCT DESIGN
 7840 N.W. 52nd STREET
 MIAMI, FLORIDA 33179
 TEL: (305) 381-1100 FAX: (305) 381-8224
 WWW.ALFAROOQ.COM

01

ACCEPTANCE No. 01-1129.01

APPROVED: December 29, 2001

EXPIRES: November 19, 2006

NOTICE OF ACCEPTANCE - SPECIFIC CONDITIONS

1. SCOPE
 - 1.1 This revises and renews Notice of Acceptance NCA No. 99-1048.20, which was issued on November 19, 1998. It revises and renews the approval of an aluminum storefront door, as described in Section 2 of this NCA, designed to comply with the South Florida Building Code (SFB-C), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFB-C Chapter 22, do not exceed the Design Pressure Rating values indicated in the approved drawings.
2. PRODUCT DESCRIPTION
 - 2.1 The Series "450" in "Outswing Aluminum Storefront Door - SideLite - Impact Resistant and its components shall be constructed in strict compliance with the following document: Drawing No. WNS-01, Sheets 1 through 7 of "Series 450 Doors and Sidelites," prepared by A. Farnow Corporation, dated 10/22/98 and revised on 11/11/01, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control approval stamp with the NCA number and approval date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.
3. LIMITATIONS
 - 3.1 This approval applies to single unit installation of pair of doors and single door with 1/2 without sidelite only, as shown in approved drawings. Single door unit shall include all components described in the entire unit of this approval.
4. INSTALLATION
 - 4.1 The aluminum swing doors and sidelite and its components shall be installed in strict compliance with the approved drawings.
 - 4.2 Hurricane protection system (saddles): the installation of this unit will not require a hurricane protection system.
5. LABELING
 - 5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".
6. BUILDING PERMIT REQUIREMENTS
 - 6.1 Application for building permit shall be accompanied by copies of the following:
 - 6.1.1 This Notice of Acceptance
 - 6.1.2 Duplicate copies of the approved drawings, as installed 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 (SFB-C), in order to properly evaluate the installation of this system.

Raul Rodriguez, Chief Product Control Division

ACCEPTANCE No. 01-1129.01

APPROVED: December 29, 2001

EXPIRES: November 19, 2006

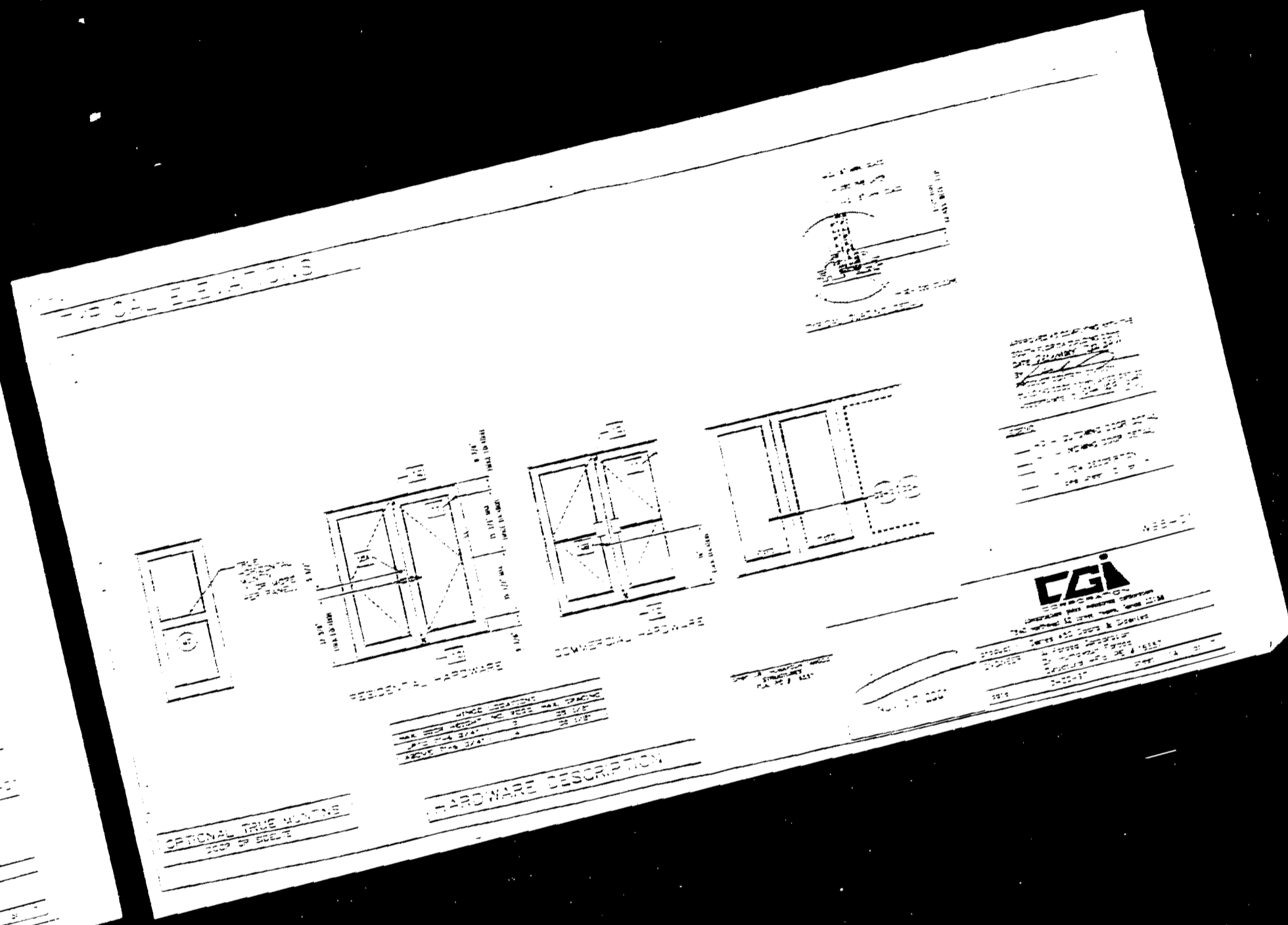
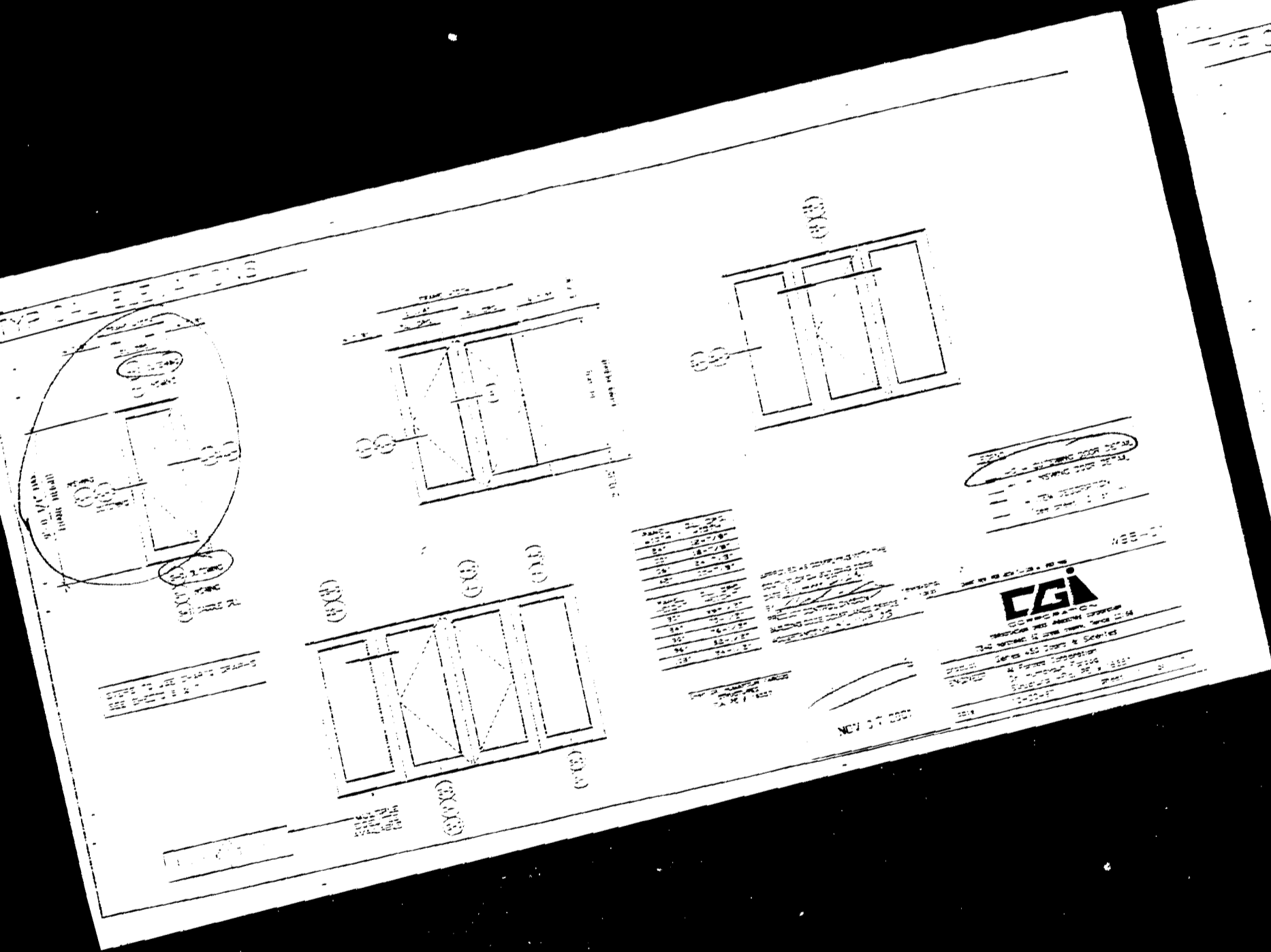
NOTICE OF ACCEPTANCE - STANDARD CONDITIONS

1. Termination of this Acceptance approval shall be considered after a removal application has been filed and the original submitted documentation, including but not limited to engineering documents, are no later than eight (8) years.
2. Any and all approved products shall be completely identical with the manufacturer's name, city, state and the following statement: "Miami-Dade County Product Control Approved", or its equivalent, stated in the specific conditions of this Acceptance.
3. Revocation of Acceptance - In order to be considered:
 - 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 identified as the original, 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 (usually submitted in a letter granting 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) Unacceptable 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 presented 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 recall the copies.
8. Failure to comply with any portion 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

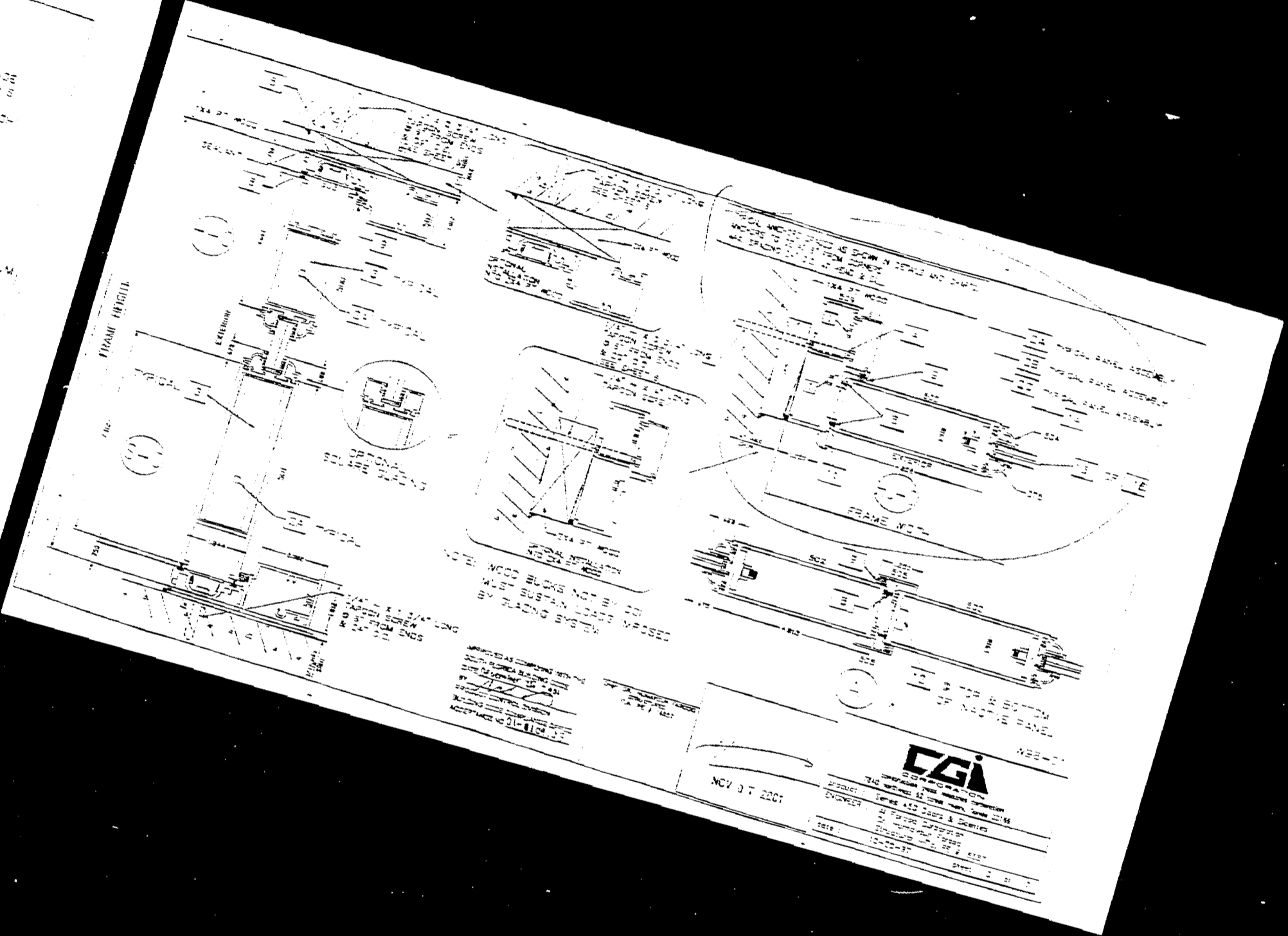
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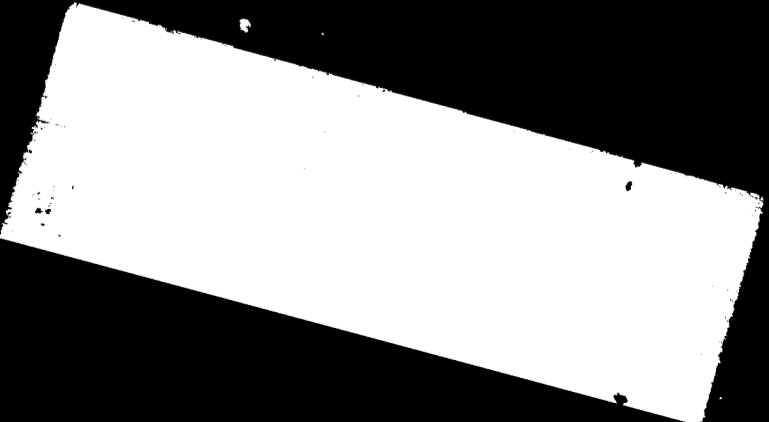
01

NO.	DESCRIPTION	QUANTITY	UNIT
1	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
2	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
3	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
4	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
5	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
6	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
7	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
8	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
9	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
10	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
11	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
12	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
13	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
14	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
15	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
16	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
17	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
18	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
19	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
20	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
21	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
22	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
23	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
24	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
25	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
26	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
27	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
28	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
29	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
30	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
31	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
32	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
33	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
34	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
35	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
36	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
37	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
38	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
39	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
40	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
41	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
42	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
43	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
44	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
45	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
46	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
47	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
48	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
49	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS
50	1/2" x 1/4" x 1/4" ALUM. BRASS	100	PCS

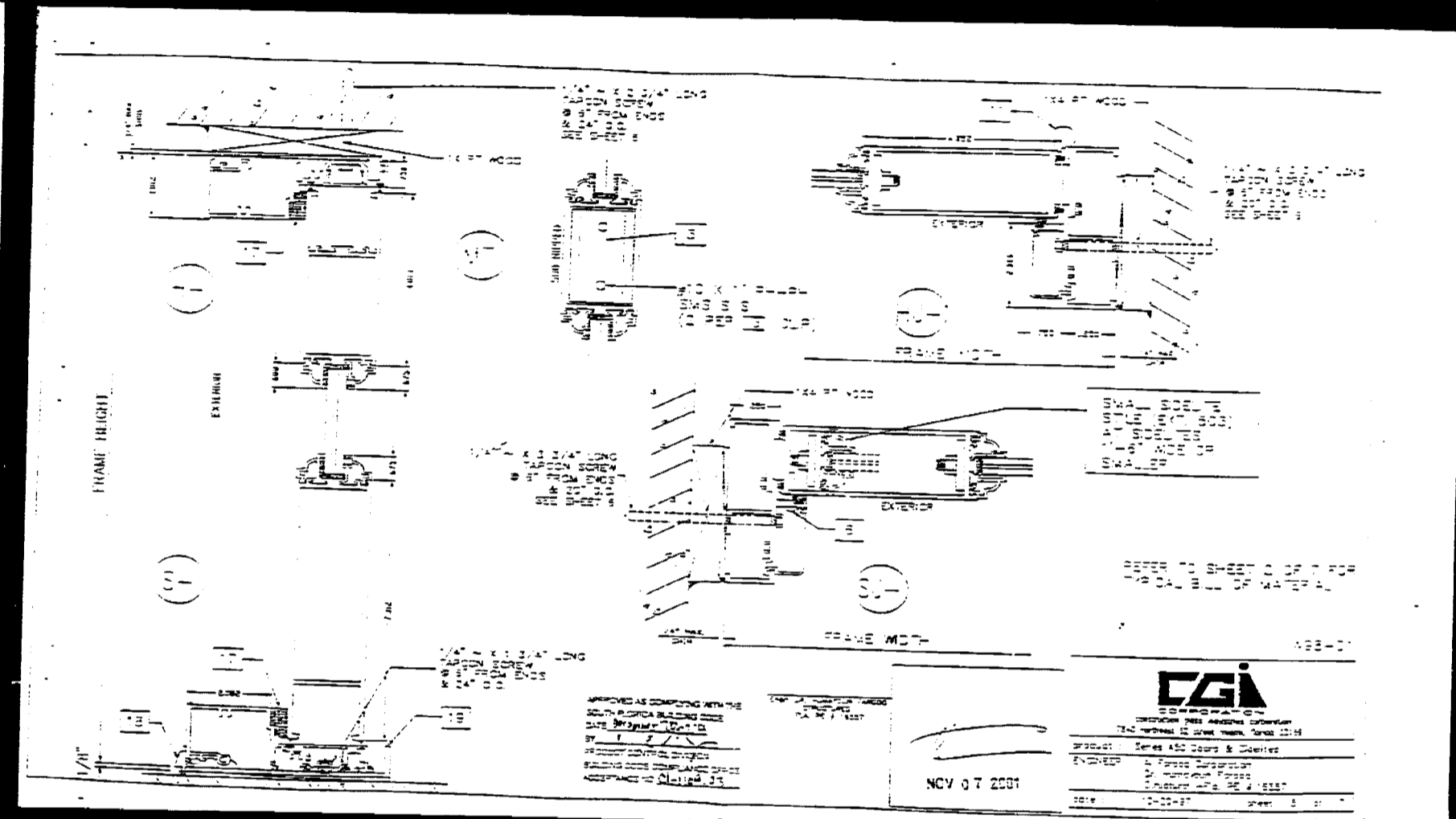
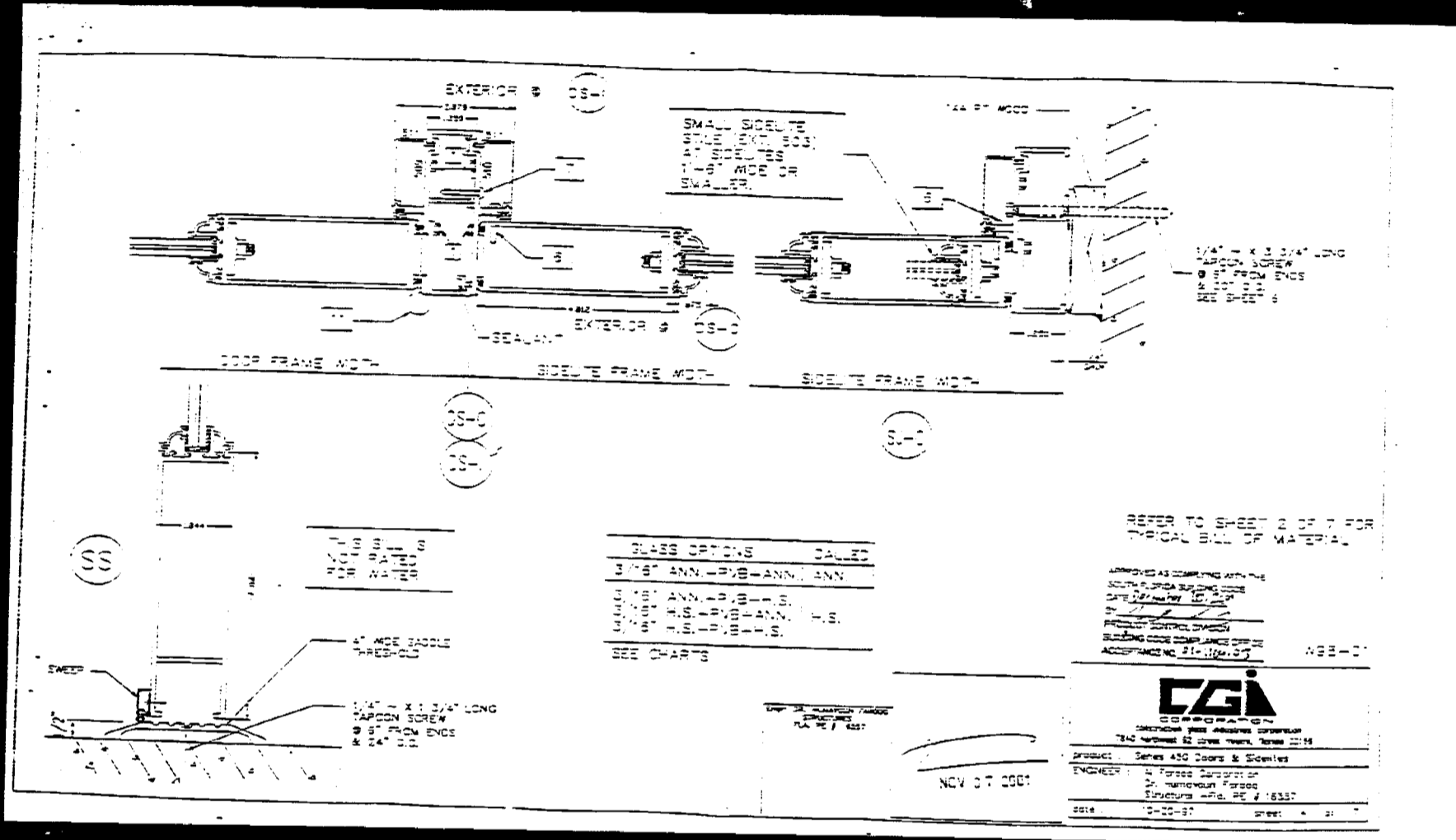
CGI
 710 SHELTON ST. SUITE 100
 BOSTON, MASSACHUSETTS 02116
 PHONE: 617-552-2200
 FAX: 617-552-2201
 WWW: WWW.CGICORP.COM



CGI
 710 SHELTON ST. SUITE 100
 BOSTON, MASSACHUSETTS 02116
 PHONE: 617-552-2200
 FAX: 617-552-2201
 WWW: WWW.CGICORP.COM



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01

PANEL PERFORMANCE CHART FOR DOORS AND SIDELITES

OUT-SWINGING IN-SWINGING DOORS

NOMINAL SIZE	PANEL WEIGHT	DESIGN LEAD CAPACITY-PSF			
		ANN. GLASS	R.E. GLASS	ANN. GLASS	R.E. GLASS
2 1/2	102	102	102	102	102
2 3/4	102	102	102	102	102
2 7/8	102	102	102	102	102
3 0	102	102	102	102	102
3 1/8	102	102	102	102	102
3 1/4	102	102	102	102	102
3 1/2	102	102	102	102	102
3 3/4	102	102	102	102	102
3 7/8	102	102	102	102	102
4 0	102	102	102	102	102
4 1/8	102	102	102	102	102
4 1/4	102	102	102	102	102
4 1/2	102	102	102	102	102
4 3/4	102	102	102	102	102
4 7/8	102	102	102	102	102
5 0	102	102	102	102	102

LOADS SHOWN ABOVE ARE FOR DOORS LEADING TO AREAS WITH A MINIMUM WIND SPEED OF 100 MPH. WIND SPEEDS IN AREAS WITH WIND SPEEDS IN EXCESS OF 100 MPH MUST BE MET.

CHARTS AT LEFT CAN BE USED TO CHECK CAPACITY FOR SINGLE OR DOUBLE LEAF DOORS. REFER TO TABLE ON SHEET 7 TO DETERMINE ANCHORS REQUIRED.

NOTES TO USE CHARTS:

- DETERMINE WIND LOAD BASED ON PROVISIONS OF SPEC & ASCE 7-88
- DETERMINE WIND RESISTANCE REQUIREMENTS BASED ON PROVISIONS OF SPEC
- SELECT A DOOR SYSTEM (I.E. NUMBER, DESIGN AND TYPE OF THRESHOLD)
- CHECK THE ALLOWABLE EXTERIOR AND INTERIOR LOADS FROM APPROPRIATE CHART
- THE ALLOWABLE LOADS MUST NOT EXCEED THE DESIGN LOADS REQUIREMENTS

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE 02/27/01 BY [Signature]

NOV 07 2001

FRAME CORNER DETAIL

PANEL CORNER DETAIL

ANCHORS

ANCHORS AT DOUBLE DOORS

NOMINAL SIZE	PANEL WEIGHT	DESIGN LEAD CAPACITY-PSF			
		ANN. GLASS	R.E. GLASS	ANN. GLASS	R.E. GLASS
2 1/2	102	102	102	102	102
2 3/4	102	102	102	102	102
2 7/8	102	102	102	102	102
3 0	102	102	102	102	102
3 1/8	102	102	102	102	102
3 1/4	102	102	102	102	102
3 1/2	102	102	102	102	102
3 3/4	102	102	102	102	102
3 7/8	102	102	102	102	102
4 0	102	102	102	102	102
4 1/8	102	102	102	102	102
4 1/4	102	102	102	102	102
4 1/2	102	102	102	102	102
4 3/4	102	102	102	102	102
4 7/8	102	102	102	102	102
5 0	102	102	102	102	102

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE 02/27/01 BY [Signature]

NOV 07 2001

01

JUN-04-02 11:09 AM SOUTHFLORIDA 9026910409 P.02

JUN 04 2002 11:09 AM STANLEY DOOR SYSTEMS 7380 RICHMOND BL. CHARLOTTE, NC 28216

STANLEY DOOR SYSTEMS
7380 RICHMOND BL.
CHARLOTTE, NC 28216

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Your application for Notice of Acceptance (NOA) of "Stan-Tra" S/E 68 Outwing Opaque Res. Ins. Steel Door-Impact w/wo Sidelites(Non-Impact) under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure the 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 revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

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

ACCEPTANCE NO.: 01-0228-05
EXPIRES: November 01, 2006

THIS IS THE COVER SHEET. SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS APPLYING TO THIS ACCEPTANCE.

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

APPROVED: 11/01/2001

OFFICE OF THE CITY OF MIAMI-DADE COUNTY
BCCO
APPROVED: [Signature]
BUILDING CODE & PRODUCT REVIEW COMMITTEE

JUN-04-02 11:10 AM SOUTHFLORIDA 9026910409 P.03

JUN 04 2002 11:10 AM STANLEY DOOR SYSTEMS 7380 RICHMOND BL. CHARLOTTE, NC 28216

STANLEY DOOR SYSTEMS

ACCEPTANCE No.: 01-0228-05
APPROVED: November 01, 2001
EXPIRES: November 01, 2006

NOTICE OF ACCEPTANCE - SPECIFIC CONDITIONS

- SCOPE**
 - This reviews the Notice of Acceptance No. 01-0129-01, which was issued on May 10, 2001. It approves a residential insulated steel door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFB/C), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFB/C Chapter 73, do not exceed the Design Pressure Rating values indicated in the approved drawings.
- PRODUCT DESCRIPTION**
 - The Series "Stan-Tra" S/E 68" Outwing Opaque Residential Insulated Steel Door w / wo Sidelites - Large Missile Impact Resistant Doors / Non -Impact Resistant Sidelites and its components shall be installed in strict compliance with the following documents: Drawing No. 43967 titled "Stanley Outwing Opaque 1 1/4 x 6-8 Steel Edge Door w/ 4x6 W/O Sidelites" S-series 1 through 7 of 7, dated 12/25/00 prepared by R.W. Building Consultants, Inc., using the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.
- LIMITATIONS**
 - This approval applies to single applications of pair of doors and single door with or without sidelites, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.
- INSTALLATION**
 - The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.
 - Hurricane protection system (shutters)
 - Door: the installation of this unit will not require a hurricane protection system.
 - Sidelite: the installation of this unit will require a hurricane protection system.
- LABELING**
 - Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved"
- BUILDING PERMIT REQUIREMENTS**
 - Application for building permit shall be accompanied by copies of the following:
 - This Notice of Acceptance
 - Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation
 - Any other documents required by the Building Official or the South Florida Building Code (SFB/C) in the installation of this system.

Issued: 11/01/2001
Ishaq I. Chaudh, P.E. Product Control Examiner

JUN-04-02 11:11 AM SOUTHFLORIDA 9026910409 P.03

JUN 04 2002 11:11 AM STANLEY DOOR SYSTEMS 7380 RICHMOND BL. CHARLOTTE, NC 28216

STANLEY DOOR SYSTEMS

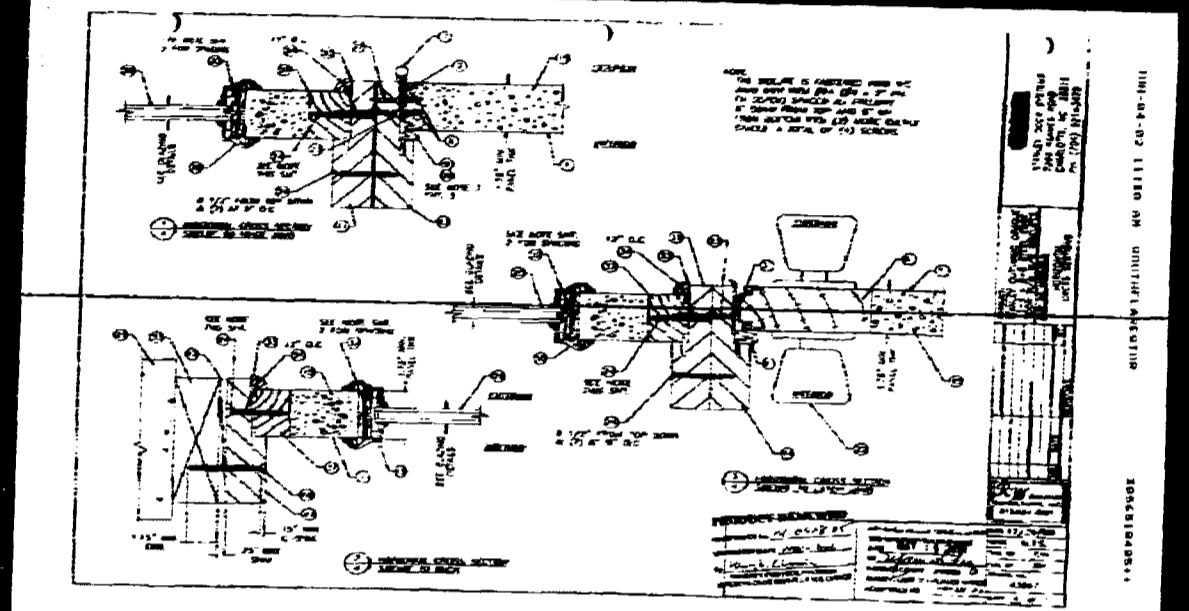
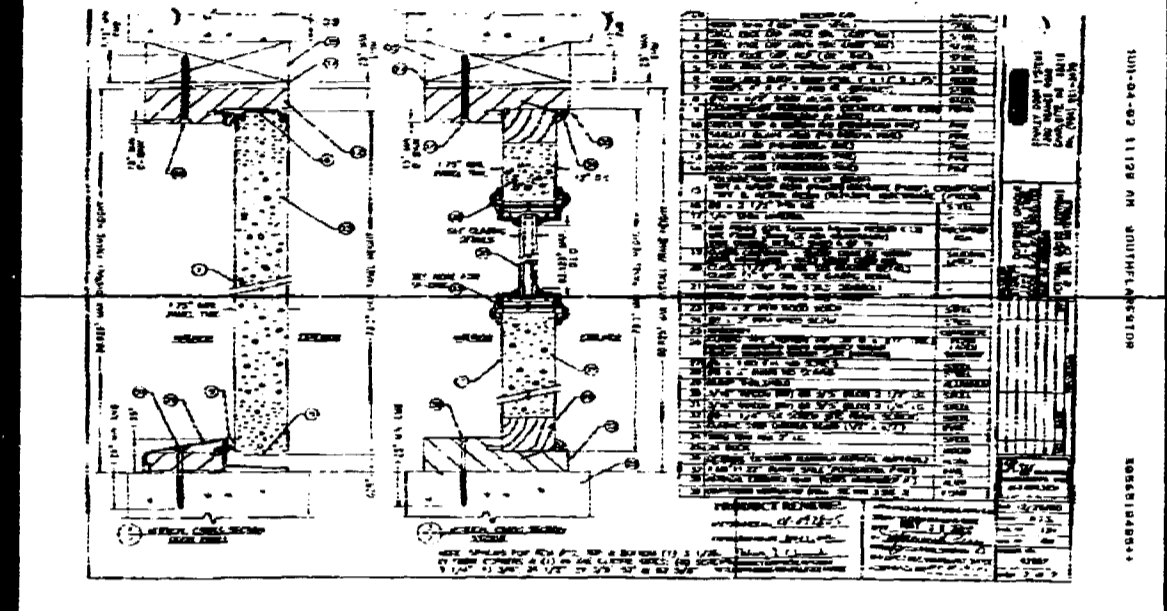
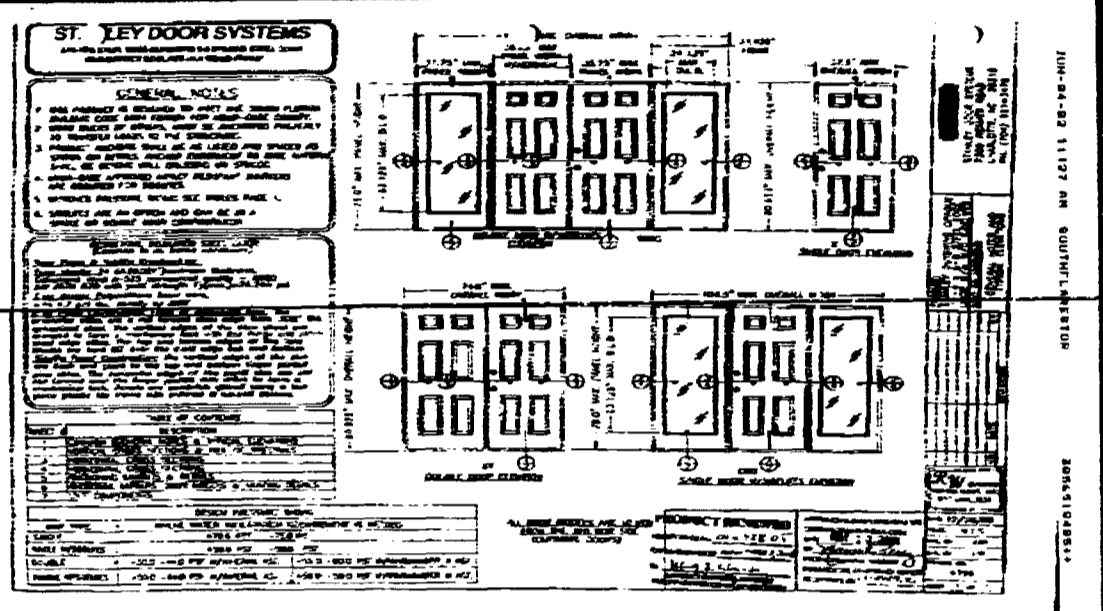
ACCEPTANCE No.: 01-0228-05
APPROVED: November 01, 2001
EXPIRES: November 01, 2006

NOTICE OF ACCEPTANCE - STANDARD CONDITIONS

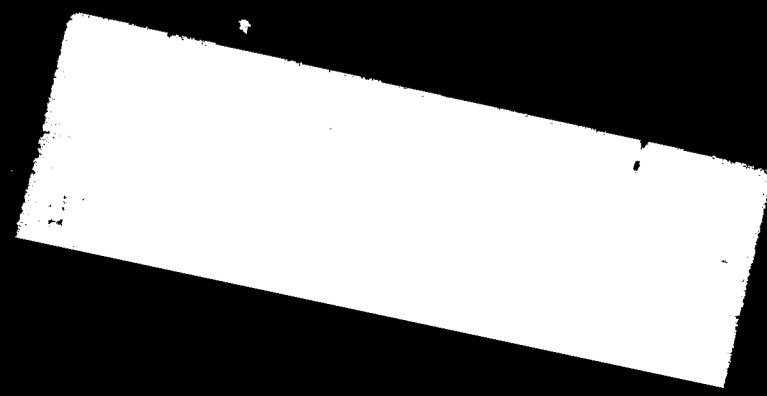
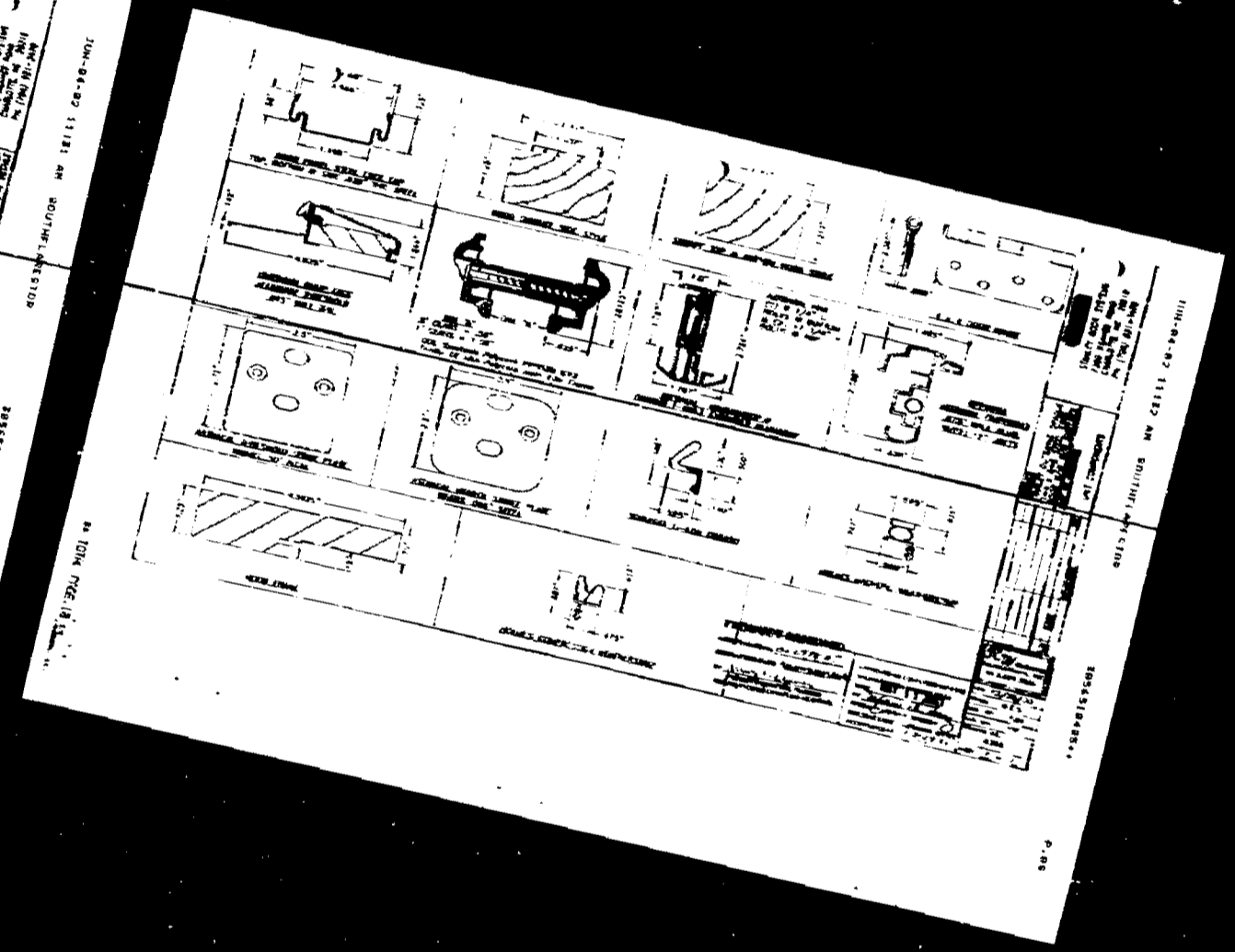
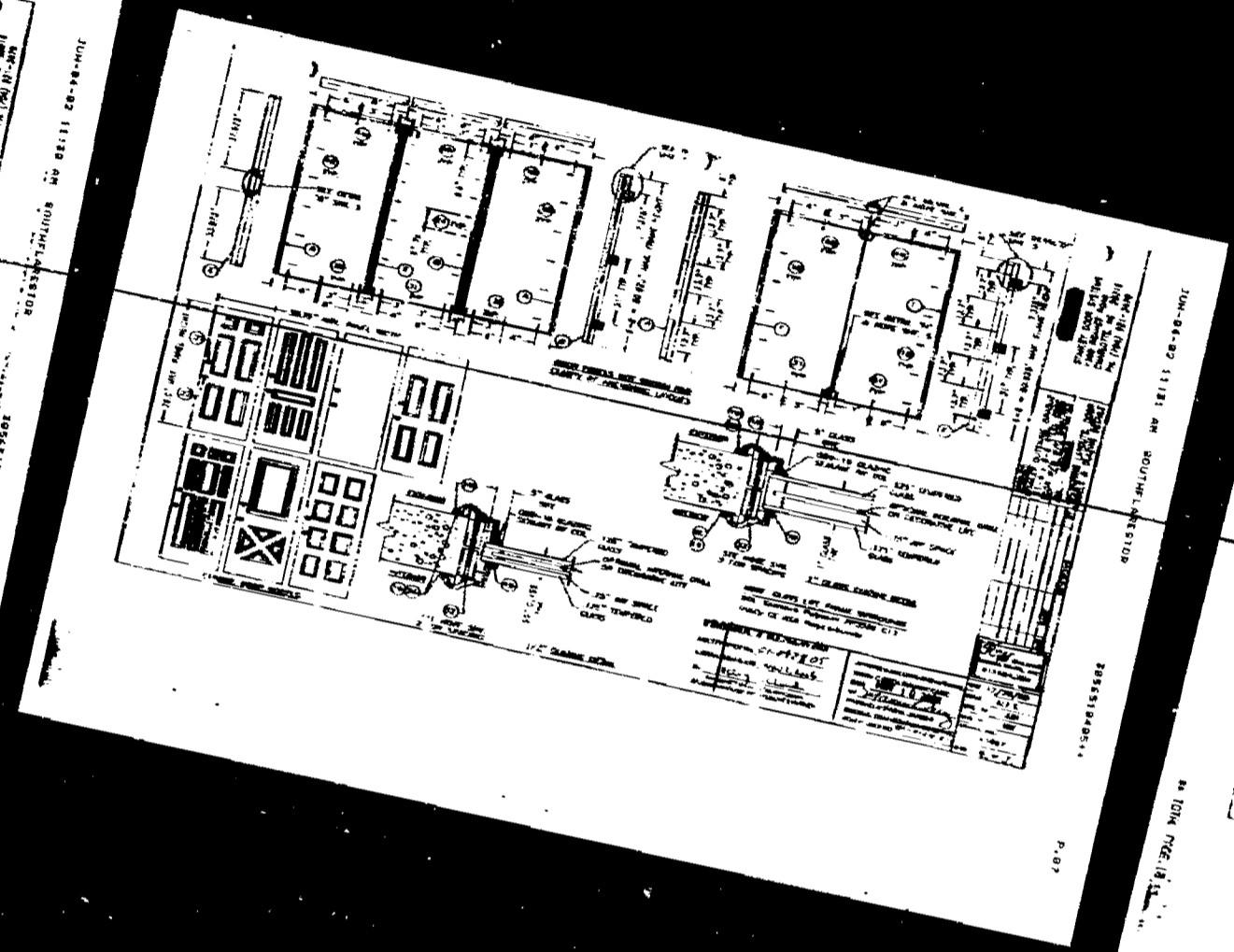
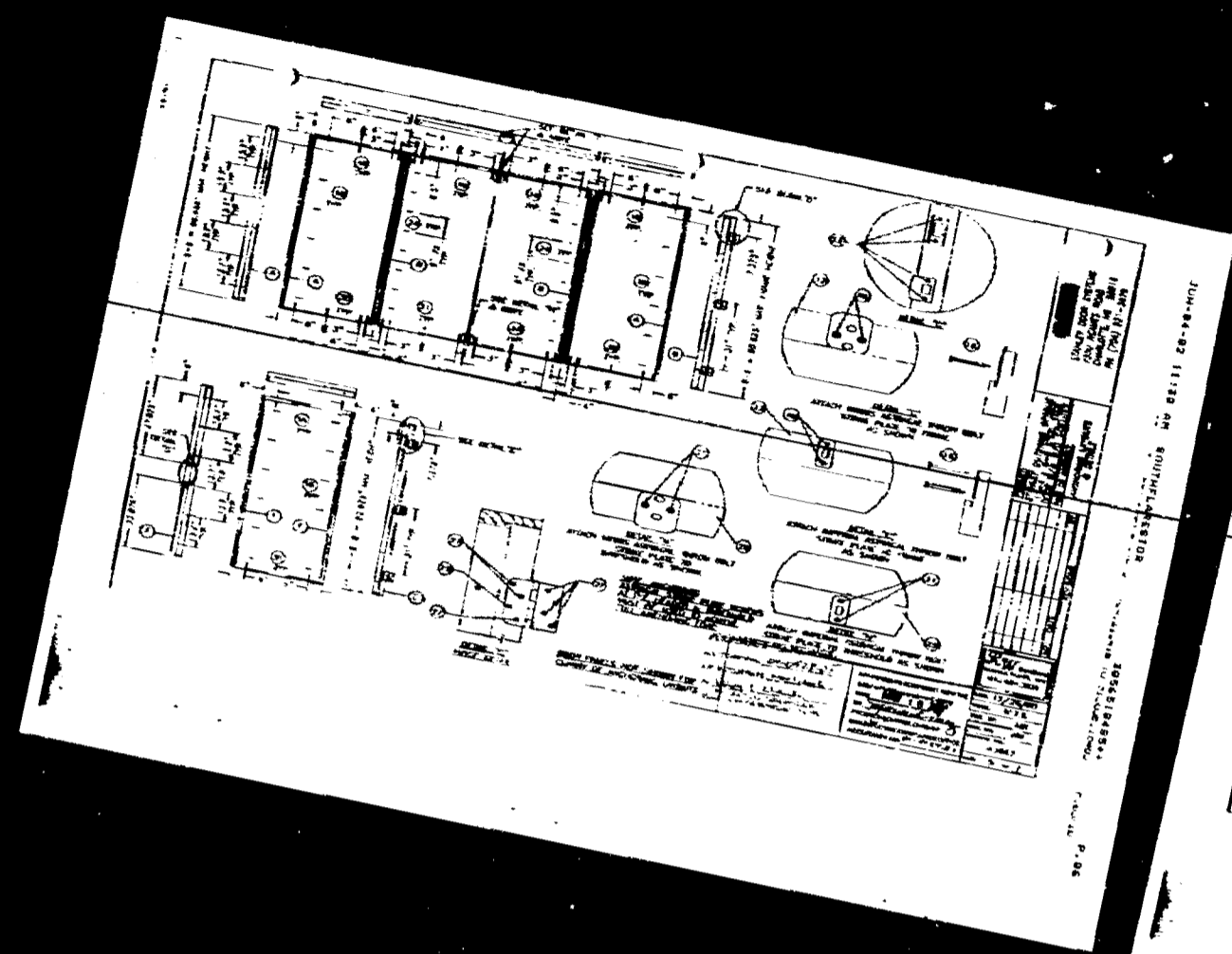
- Renewal of this Acceptance (Approval) shall be considered after a renewal application has been filed and the original submitted documentation, including the supporting data, engineering documents, and no older than eight (8) years.
- Any and all approved products shall be permanently labeled with the 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.
- Renewal of Acceptance will not be considered if:
 - 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.
 - The product is no longer the same product (material) as the one originally approved.
 - If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
- 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.
- Any of the following shall also be grounds for removal of this Acceptance:
 - Unsatisfactory performance of this product or process
 - Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose
- 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.
- 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 100 site at all time. The engineer need not retain the copies.
- Failure to comply with any section of this Acceptance shall be cause for termination of this Acceptance.
- This Notice of Acceptance consists of pages 1, 2 and this page 3.

Issued: 11/01/2001
Ishaq I. Chaudh, P.E. Product Control Examiner

01



01



01

U.S. STRUCTURES, INC.

CONSULTING STRUCTURAL ENGINEERS
17111 NORTHWIND DR. SUITE 100
MIAMI BEACH, FLORIDA 33157

*Firm
master
print*

STRUCTURAL CALCULATIONS

FOR THE

**ALTERATIONS AND ADDITIONS FOR
MR. & MRS. FURST**

LOCATED AT:
800 LAKE VIEW DRIVE
MIAMI BEACH, FLORIDA

DATE:
MAY 21, 2001 (SHEETS 1 - 10)

Wessy
05-21-01
JOSE A. TOLEDO, P.E.
STRUCTURAL ENGINEER
FL LICENSE #54891

U.S. STRUCTURES, INC.

CONSULTING STRUCTURAL ENGINEERS

JOB: FURST
SHEET NO: 1 OF 10
CALCULATED BY: JBT DATE: 5/21/01
TITLE: WIND LOADS

DESIGN CALCULATIONS

PROJECT: FURST RESIDENCE
WINDY BAY EOOD
MIAMI BEACH, FL

DESIGN WINDS: 2004 WIND WIND = 70 psf SLOPED / 30 psf FLAT
FLAT WIND WIND = 90 psf (60 psf @ BRACED WALLS)

WIND LOADS: 2nd FLOOR WINDS WITH ASCE 7-88, CH. 6 FOR CH. 5 EPP. D - WINDS
z = 20', h = 24 ft, G = 1.0, Kz = 1.05

$q_z = 0.00256 \times 1.05 (1.05 \times 110)^2 = 45.4 \text{ psf}$

$q_z = 0.00256 \times 1.78 (1.05 \times 110)^2 = 99.4 \text{ psf}$

$q_z = 0.00256 \times 0.92 (1.05 \times 110)^2 = 31.0 \text{ psf}$

DESIGN PRESSURE - WINDOWS & DOORS: (LOWE WINDS $a = 3 \text{ FEET}$)

1) FROM WINDS $A - TYP = 310 \#$

$P_{+4/5} = 31.0 (+1.4 + 0.25) = +51.2 \text{ psf}$

$P_{-4} = 31.0 (-1.4 - 0.25) = -54.3 \text{ psf}$

$P_{-5} = 31.0 (-2.0 - 0.25) = -70.0 \text{ psf}$

2) FROM WIND $A - TYP = 310 \#$

$P_{+4/5} = 31.0 (+1.4 + 0.25) = +51.2 \text{ psf}$

$P_{-4} = 31.0 (-1.4 - 0.25) = -54.3 \text{ psf}$

$P_{-5} = 31.0 (-1.8 - 0.25) = -69.4 \text{ psf}$

17111 NORTHWIND DR. SUITE 100 MIAMI BEACH, FLORIDA 33157
PHONE 784 438 1857 FAX 784 741 08 784 MAIL 33260 MIAMI BEACH, FLORIDA 33157

U.S. STRUCTURES, INC.

CONSULTING STRUCTURAL ENGINEERS

JOB: FURST RESIDENCE
SHEET NO: 2 OF 10
CALCULATED BY: JBT DATE: 5/21/01
TITLE: WIND DESIGN

DESIGN CALCULATIONS

REF. DESIGN WIND WINDS ($a = 3 \text{ FEET}$) $WIND = 20 \text{ psf}$ $M7 \#$

$P_{+4/5} = 31 (1.1 - 0.25) = 42 \text{ psf} < 27 \text{ psf NET UPWT}$

$P_{-4/5} = 31 (-2.0 - 0.25) = -70 \text{ psf} < 55 \text{ psf NET UPWT}$

1) CRITICAL CORNER

$R = (3 \times 2 \times 55) + (9 \times 2 \times 27) = 316 \#$

- USE WINDS DTC 3 FROM THE BEAM (CAPACITY 140 #)

- USE WINDS ETC 4 (OUTSIDE) 2 FROM THE BEAM (CAPACITY 1020 w/ STIFFEN)

2) CORNER 2 ENDS

$R_{EN} = 3.5 \times 12 \times (20 + 25) = 1090 \#$

$R_{UPWT} = (3.5 \times 9 \times 55) + (7 \times 3.5 \times 27) = 412 \#$

- USE WINDS DTC 3 FROM THE BEAM (CAPACITY 1110 #)

- USE 12 DIAPHS 218 w/ 3 TOPS 2 FROM THE BEAM (CAPACITY 2040 #)

3) SMALL INTERNAL CORNER

$R_{EN} = (11 \times 12) (45) = 316 \#$

$R_{UP} = (11 \times 12) (27) = 1931 \#$

4) INTERNAL CORNER - TRANSFER

$R_{INTERNAL CORNER} = (23/2 \times 2 \times 45) + (3218 \times 2/21) = 3287 \#$

$R_{INTERNAL UPWT} = (23/2 \times 2 \times 27) + (1931 \times 2/21) = 2371 \#$

USE (3) 218 COR = 3 \times 1020 = 3060 \#

17111 NORTHWIND DR. SUITE 100 MIAMI BEACH, FLORIDA 33157
PHONE 784 438 1857 FAX 784 741 08 784 MAIL 33260 MIAMI BEACH, FLORIDA 33157

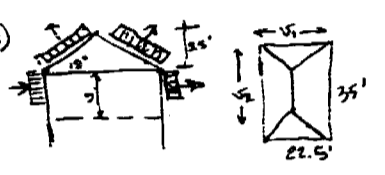
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DESIGN CALCULATIONS

• Roof Displacement (uniformly = 6" D)
 Windward wall $P = 45.4 (1.14)(1.0) = +41.2 \text{ plf}$
 Leeward wall $P = 44.4 (1.14)(-0.9) = -20.1 \text{ plf}$ ($H/L = 1.5$)
 Windward roof $P = 44.4 (1.14)(-0.7) = -95.3 \text{ plf}$
 Leeward roof $P = 44.4 (1.14)(0.7) = -33.2 \text{ plf}$ ($H/L = 1.5$)

$V_s = \frac{(22.1 + 20.1)(9.4)(34.2) + 54.2(45.3)(35)(\frac{1}{2})(35)}{22.5}$
 $= 5195/22.5 = 231 \text{ plf}$

Use 1932 SUEDELMAN UNADORNED
 Capacity = 255 > 230 = OK
 @ 10' max = 2400 lbs.



• Skewed Roof Substructure
 $V_s = (42.1 + 20.1)(22.4)(9)/35 = 180 \text{ plf}$
 (Note skewed effect in 45 direction)
 3/4" SUEDELMAN (1932) @ 10' = 6" dc capacity = 285 > 180

DESIGN CALCULATIONS

• Wind Roof over ground GABLES
 Windward: $P_{max} = 31.0(-2.0 - 0.25) = -70 \text{ plf}$ (55.0 plf net upwind)
 $P_{min} = 31.0(-1.1 - 0.25) = -42 \text{ plf}$ (33 plf net upwind)

1) GABLE WOOD
 Requirement = $(2\frac{1}{2} \times 3.5)(20 \times 20) = 1750 \rightarrow 180 \text{ lb}$
 Requirement = $(2\frac{1}{2} \times 3.5)(\frac{55 \times 20}{2}) = 1578 \rightarrow 160 \text{ lb}$
 Use 1932 SUEDELMAN UNADORNED
 Capacity = 255 > 230 = OK
 @ 10' max = 2400 lbs.

2) TYPICAL TRUSS
 $V_s = 22.1 \times 2 = (55 \times 27/2) = 902 \text{ lb}$
 USE 1932 SUEDELMAN UNADORNED
 Capacity = 1020 > 902 = OK

2ND FLOOR PRINCIPAL - PRE JOB FLOOR TRANSFER 24" dc.
 Maximum 12' span
 Requirement = $12/2 (40 + 25) \times 2 = 780 \text{ lb}$
 Capacity = $17/2 \times 2 (55) = 660 \text{ lb}$
 Simpson THAC422 capacity = 1450 > 780 = OK

2x8 PFT WOOD JOIST @ 12' oc
 Capacity = 460 plf = 560 > 460 = OK

DESIGN CALCULATIONS

• TYPICAL BRACING
 Max $V_s = 19.1/20 = 7.2 \rightarrow 8" \text{ SUD}$
 $V_s = 17 (20 + 7/2 \times 150) + 17(60) = 270 \text{ plf}$
 $M_u = 270 \times 15^2 / 8000 = 57 \text{ k-ft}$
 $R_u = 57 \times 12000 / 12 \times 12 = 198 \rightarrow R = 0.0095 (max)$
 $A_s = 0.0095 \times 12 \times 6 = 0.24 \text{ in}^2/\text{ft} \rightarrow \#4 @ 8" \text{ o.c. L.W. } (\Delta = 0.23) \text{ [25]}$

• 2B-1
 $V_s = 17 (12 \times 21 + 7 \times 20) + 17(7 \times 30) + (270 \times 7) = 2846 \text{ plf}$
 $M_u = 2846 \times 20^2 / 8000 = 142 \text{ k-ft}$
 $R_u = 142 \times 12000 / 12 \times 21 \times 5^2 = 308 \rightarrow R = 0.0041$
 $A_s = 0.0041 \times 12 \times 21 \times 5 = 1.57 \rightarrow 3 \#7 \text{ T10 } (1.90)$
 $V_u = 1.57 \times 2846 (20/2 - 21/2) = 23.4 \text{ k}$
 $A_v = 2.85 / 1000 \times 12 \times 21 \times 100 = 12.04 \text{ in}^2 \rightarrow \text{min } 1/2" \text{ dc}$

• TYPICAL DECK
 Max $V_s = 9.1/20 = 5.4 \rightarrow 7" \text{ SUD}$
 $V_s = 17 (20 + 7/2 \times 150) + 17(60) = 255$
 $M_u = 255 \times 5^2 / 8000 = 2.6 \rightarrow R_u = 2.6 \times 12000 / 12 \times 5^2 = 107 \rightarrow R = 0.0041$
 $A_s = 0.0041 \times 12 \times 3 \times 5 = 0.17 \text{ in}^2 \rightarrow \#4 @ 12" \text{ dc } \text{ min } 1/2" \text{ dc } (0.16)$

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DESIGN CALCULATIONS

2B-2 8x90

$$W_u = 1.4(8 \times 30 + 4.5 \times 25 + 0.11 + 8 \times 55 + 7/8 \times 40) + 1.7(5 \times 20 + 7 \times 40)$$

$$= 1205 \text{ plf}$$

$$M_u = 1205 \times 15^2 / 800 = 344 \text{ K-F}$$

$$k_u = 344 \times 12000 / (8 \times 21.5^2) = 27 \rightarrow R = 0.0034 \text{ mm}^2/\text{ft}$$

$$E_s = 8 \times 27 \times 0.0034 = 0.75 \text{ mm}^2 \rightarrow 2 \#6 \text{ BOT.}$$

$$W_u \cdot d = 1205(15 - 27/12) = 6.5 \text{ k} \rightarrow \text{min } d/n \text{ (} \#3 \times 12 \text{ dc)}$$

DESIGN CALCULATIONS

2B-6 (8' x 30')

$$W_u = 1.4(8 \times 30 + 4.5 \times 25 + 0.11 + 8 \times 55 + 7/8 \times 40) + 1.7(5 \times 20 + 7 \times 40)$$

$$= 1205 \text{ plf}$$

$$M_u = 1205 \times 15^2 / 800 = 344 \text{ K-F}$$

$$k_u = 344 \times 12000 / (8 \times 21.5^2) = 27 \rightarrow R = 0.0034 \text{ mm}^2/\text{ft}$$

$$E_s = 8 \times 27 \times 0.0034 = 0.75 \text{ mm}^2 \rightarrow 2 \#6 \text{ BOT.}$$

$$W_u \cdot d = 1205(15 - 27/12) = 6.5 \text{ k} \rightarrow \text{min } d/n \text{ (} \#3 \times 12 \text{ dc)}$$

DESIGN CALCULATIONS

2B-1 14x24 (INSTRUM. CONTROL ROOM)

$$W_u = 1.4(20 \times 10 + 7/8 \times 150 \times 10 + 14 \times 24) + 1.7(20 \times 20) = 3000 \text{ plf}$$

$$M_u = 3000 \times 12^2 / 8000 = 53.3 \text{ K-F}$$

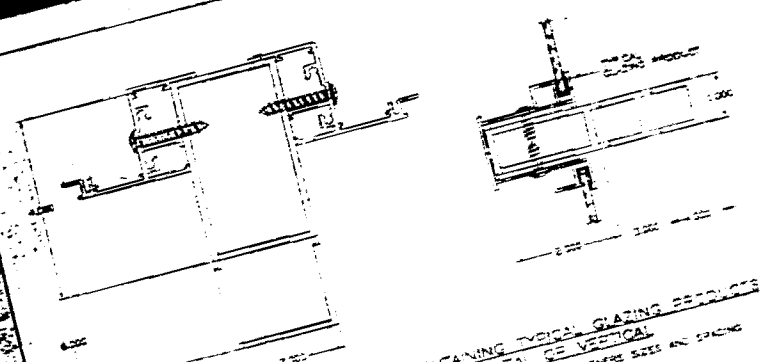
$$k_u = 53.3 \times 12000 / (14 \times 20.5^2) = 130 \rightarrow \text{min } R/n$$

$$E_s = 0.0022 \times 14 \times 20.5 = 0.63 \text{ mm}^2 \rightarrow 3 \#5 \text{ T/B (1.12) } d/n \text{ } \#44 \text{ INT}$$

$$W_u \cdot d = 3000 \times (12 - 20.5/12) = 14.4 \text{ k}$$

$$W_u \cdot d = 0.85 \times 3000 \times 14 \times 20.5 = 13.3 \text{ k} \rightarrow \text{min } d/n \text{ (} \#3 \times 10 \text{ dc)}$$

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SEE WHICH OF YOUR APPROVAL FOR FACTORS SIZE AND SPACING

- INSTRUCTIONS
- STEP 1. DETERMINE DESIGN LOADS REQUIRED AS PER ASSESSOR'S REPORT
 - STEP 2. DETERMINE DESIGN LOADS REQUIRED AS PER ASSESSOR'S REPORT
 - STEP 3. USE DATA CHARTS APPROVED GLAZING PRODUCTS
 - STEP 4. USE DATA CHARTS APPROVED GLAZING PRODUCTS
 - STEP 5. USE DATA CHARTS APPROVED GLAZING PRODUCTS
 - STEP 6. USE DATA CHARTS APPROVED GLAZING PRODUCTS
 - STEP 7. USE DATA CHARTS APPROVED GLAZING PRODUCTS
 - STEP 8. USE DATA CHARTS APPROVED GLAZING PRODUCTS
 - STEP 9. USE DATA CHARTS APPROVED GLAZING PRODUCTS
 - STEP 10. USE DATA CHARTS APPROVED GLAZING PRODUCTS

PRODUCT RENEWED

FOR ALL INFORMATION AND DETAILS
 CONTACT THE MANUFACTURER
 OR THE ASSOCIATED COMPANY
 FOR THE LATEST VERSION OF THIS DOCUMENT

TECHNICAL MULLION ARRANGEMENTS

NOTE: LOAD CHARTS ARE BASED ON RECTANGULAR LOAD DISTRIBUTION

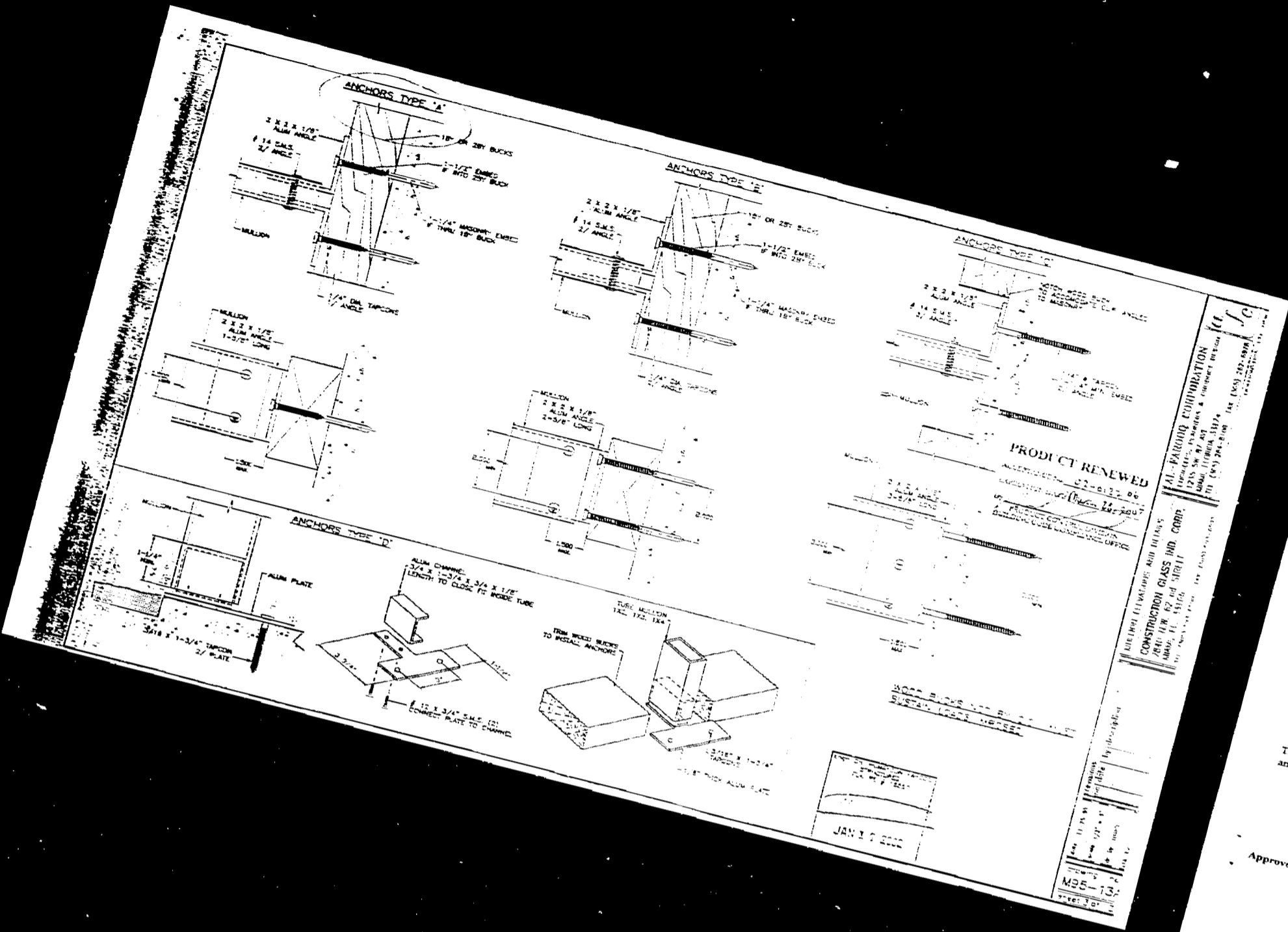
PRODUCT RENEWED

ACCREDITED BY THE ASSOCIATED COMPANY

FOR ALL INFORMATION AND DETAILS
 CONTACT THE MANUFACTURER
 OR THE ASSOCIATED COMPANY
 FOR THE LATEST VERSION OF THIS DOCUMENT

MBS-12A

01



PRODUCT CONTROL NOTICE OF ACCEPTANCE

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
BUILDING CODE COMPLIANCE OFFICE
135 WEST FLAGLER STREET, BUILDING
MIAMI, FLORIDA 33135 1001
(305) 375-2222 FAX (305) 375-2222

CONTRACTOR LICENSING SECTION
(305) 375-2222 FAX (305) 375-2222

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2266 FAX (305) 375-2266

PRODUCT CONTROL DIVISION
(305) 375-2202 FAX (305) 375-6239

FL 33166

Construction Glass Industries Corporation
7849 N.W. 62nd Street
Miami

Your application for Product Approval of:
Aluminum Tube Mullion
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 Office (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 at any time from a job site or manufacturer's plant for quality control testing.

If the use of such product or material fails to conform to 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. **99-0127.06**
Expires: **03/28/2002**

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

Rafael Rodriguez
Rafael Rodriguez
Chief Product Control Division

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.

Approved: 05/06/1999

1 of 3

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

Internet Mail Address: permcenter@buildingcode.com Home Page: <http://www.buildingcode.com>

01

Construction Glass Industries Corp. ACCEPTANCE No. : 99-0127.06
 APPROVED : MAY 06 1999
 EXPIRES : March 28, 2002

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE
 - 1.1 This renews the Notice of Acceptance No. 95-0929.39, which was issued on March 28, 1996. It approves a structural mullion system, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.
2. PRODUCT DESCRIPTION
 - 2.1 The Construction Glass Industries Corp. Alumina-Tube Mullions and its components shall be constructed in strict compliance with the following documents: Drawing No. M95-13A, titled "Mullion Details", prepared by Al-Farooq Corporation, dated 11/25/95, Sheets 1 thru 3 of 3, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.
3. LIMITATIONS
 - 3.1 The design pressure for the mullion and anchor selected must meet or exceed the pressure requirement for the opening in which it is to be installed.
 - 3.2 This approval applies to structural mullions to be installed vertically or horizontally, as shown in the approved drawings.
 - 3.3 Mullions are to be used only to support Windows and/or Doors with a current Notice of Acceptance.
4. INSTALLATION
 - 4.1 The structural mullion system and its components shall be installed in strict compliance with the approved drawings.
 - 4.2 This mullion can be installed as part of an impact resistant unit.
5. LABELING
 - 5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".
6. BUILDING PERMIT REQUIREMENTS
 - 6.1 Application for building permit shall be accompanied by copies of the following:
 - 6.1.1 This Notice of Acceptance.
 - 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 The Notice of Acceptance of each window or door to be attached to the mullion.
 - 6.1.4 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Manuel Perez, P.E., Product Control Examiner
 Product Control Division
 2 of 3

Construction Glass Industries Corp. ACCEPTANCE No. : 99-0127.06
 APPROVED : MAY 06 1999
 EXPIRES : March 28, 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 documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approval", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words 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 resub 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 through 3.

END OF THIS ACCEPTANCE

Manuel Perez, P.E., Product Control Examiner
 Product Control Division
 3 of 3

Construction Glass Industries Corp. ACCEPTANCE No. : 99-0127.06
 APPROVED : MAY 06 1999
 EXPIRES : March 28, 2002

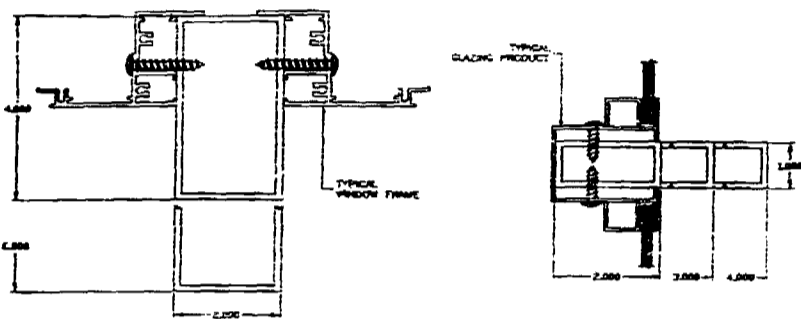
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS
 1. Drawing No. M95-13A, titled "Mullion Details", prepared by Al-Farooq Corporation, dated 11/25/95, Sheets 1 thru 3 of 3, signed and sealed by Humayoun Farooq, P.E.
- B. TESTS
 1. Test reports on 1) Uniform Static Air Pressure Test, Loading per PA 202-94 along with installation diagram of window prepared by Hurricane Engineering & Testing Inc. Test Report No. HETT-96-525, dated February 12, 1996, signed and sealed by Hector M. Medina, P.E.
 2. Test reports on 1) Large Missile Impact Test, Loading per PA 201-94 along with installation diagram of window prepared by Hurricane Test Laboratory, Inc. Test Report No. HTL-9689-0303-96, dated 03/06/96, signed and sealed by Timothy S. Marshall, P.E.
- C. CALCULATIONS
 1. Structural mullion and anchorage calculations prepared by Al-Farooq Corporation, dated 12/05/95, signed and sealed by Humayoun Farooq, P.E.
- D. MATERIAL CERTIFICATIONS
 1. None.
- E. STATEMENTS
 1. Letter from Construction Glass Industries Corporation, dated March 17, 1999, stating that the product has not changed since it was last approved, signed by Flavio Quesada - President
- F. OTHER
 1. This NOA renews NOA No. 95-0929.39, which was issued on March 28, 1996, and expiring on 03/28/99.
 2. The following results were obtained in the original submittal:

TEST	DESIGN LOADS	TEST LOADS	DESIGN LOADS
UNIFORM STATIC PRESSURE	AT DESIGN LOADS	+90.0 PSF	+90.0 PSF
SFBC PA 202-94 NEGATIVE		HETT-96-525	HETT-96-525
UNIFORM STATIC PRESSURE	AT FULL TEST LOAD	-115.0 PSF	+90.0 PSF
SFBC PA 202-94 NEGATIVE		HETT-96-525	HETT-96-525
LARGE MISSILE IMPACT TEST		SATISFACTORY	
SFBC PA 201-94		HTL-0989-0303-96	

This is a verification test only. For Design Pressure Rating vs. Mullion length, see "Mullion Load Charts" and for Design Pressure Rating vs. Anchor type, see "Anchor Load Charts" both on Sheet 2 of 3, of Drawing No. M95-13A, bearing the Dade County Product Control approval stamp.
 Manuel Perez, P.E., Product Control Examiner
 Product Control Division
 E-1





MULLIONS CONTAINING TYPICAL GLAZING PRODUCTS
HORIZONTAL OR VERTICAL
SEE WINDOW OR DOOR APPROVAL FOR FASTENERS SIZES AND SPACING

INSTRUCTIONS:

- USE CHARTS AND GRAPHS AS FOLLOWS:
- STEP 1 DETERMINE DESIGN LOAD REQUIRED PER ASCE 7-05 FOR PARTICULAR SPACING.
 - STEP 2 USE STATE COUNTY APPROVED GLAZING PRODUCTS MEETING ABOVE LOAD REQUIREMENTS.
 - STEP 3 USE CONNECTION TO MULLION AS PER PRODUCT APPROVAL.
 - STEP 4 SPECIFY MAXIMUM SPAN SPACING.
 - STEP 5 USING GRAPH ON SHEET 2 SELECT MULLION SIZE WITH DESIGN LOADS LESS THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
 - STEP 6 USING ANCHOR TYPES ON SHEET 3 AND ANCHOR GRAPHS ON SHEET 2, SELECT ANCHOR TYPE WITH DESIGN RATING MORE THAN THE DESIGN LOADS SPECIFIED IN STEP 1 ABOVE.

RECTANGULAR ALUMINUM TUBE MULLIONS USING MULLION PROPERTIES ONLY

NOTES:

1. ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE APPLICABLE CODE COUNTY REQUIREMENTS FOR WIND LOAD, AIR & WATER PENETRATION, FORCED ENTRY, HIDEOUTS, SAFETYGLASS, ETC.
2. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL CORNER (OUTSIDE THE EDGE).
3. ANY CONDITIONS NOT COVERED IN THIS SUBMITTAL SUBJECT TO SOLENET ENGINEERING REVIEW.
4. ALL MULLIONS TO BE ALLOY 6061-T6.

PRODUCT RENEWED

ACCEPTANCE NO. 09-0107-02
 EXPIRATION DATE 03/31/2024
 BY: *Maurice J. ...*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 BY: *Maurice J. ...*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 RECEIPT NO. 09-0107-02

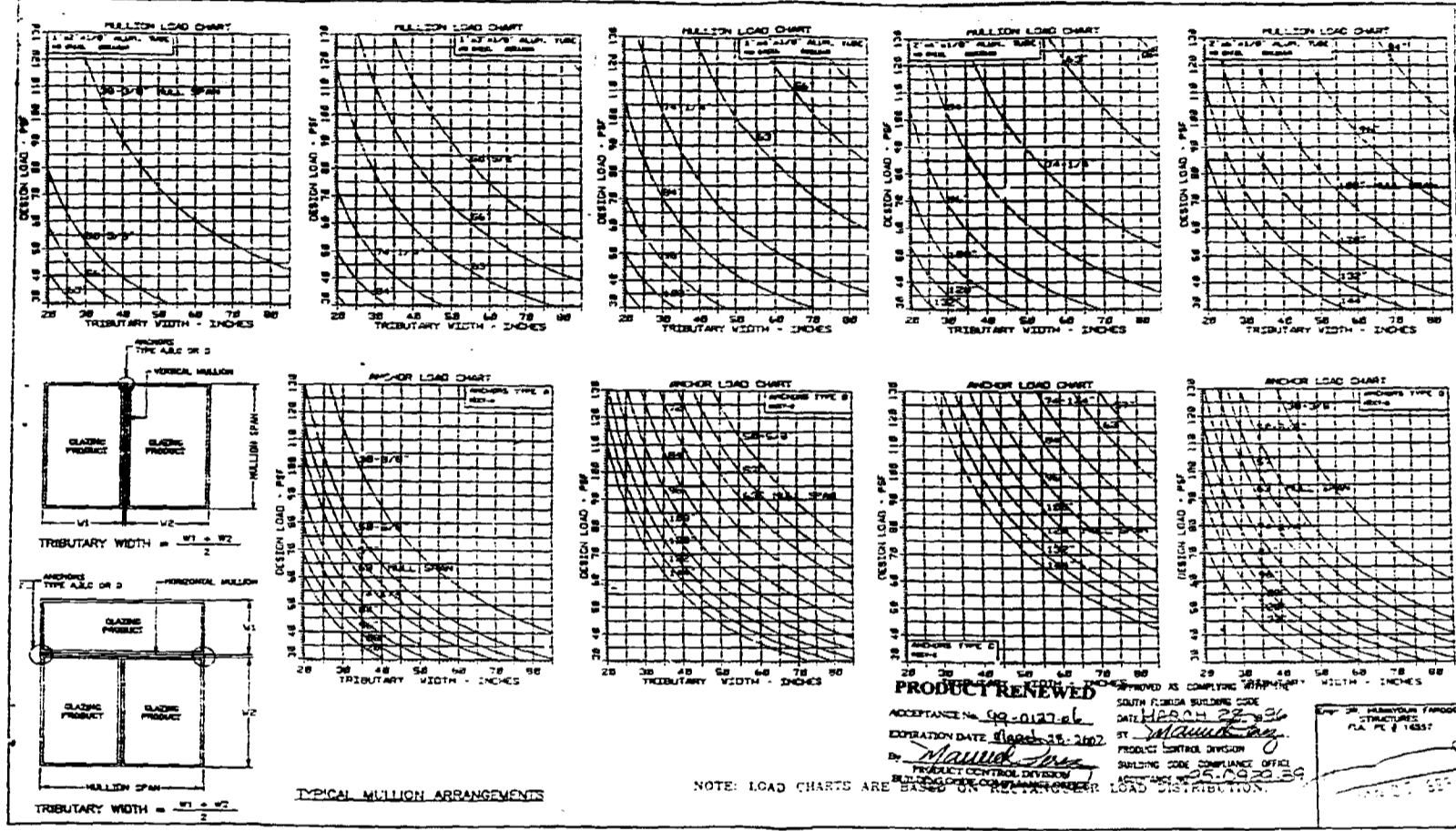
AL-FABROQ CORPORATION
 1155 SW 74th Ave.
 MIAMI, FLORIDA 33156
 (305) 244-5100
 FAX: (305) 244-5110

MULLION DETAILS
 CONSTRUCTION CLASS (NO.)
 0130 N.W. 3314E
 (005) - 93-6580

REVISIONS

NO.	DATE	DESCRIPTION

DESIGNED BY: *Maurice J. ...*
 DRAWN BY: *Maurice J. ...*
 CHECKED BY: *Maurice J. ...*
 PROJECT NO. M95-13A
 SHEET 1 OF 3



PRODUCT RENEWED

ACCEPTANCE NO. 09-0107-02
 EXPIRATION DATE 03/31/2024
 BY: *Maurice J. ...*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 BY: *Maurice J. ...*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 RECEIPT NO. 09-0107-02

AL-FABROQ CORPORATION
 1155 SW 74th Ave.
 MIAMI, FLORIDA 33156
 (305) 244-5100
 FAX: (305) 244-5110

ANCHOR DETAILS
 CONSTRUCTION CLASS (NO.)
 0130 N.W. 3314E
 (005) - 93-6580

REVISIONS

NO.	DATE	DESCRIPTION

DESIGNED BY: *Maurice J. ...*
 DRAWN BY: *Maurice J. ...*
 CHECKED BY: *Maurice J. ...*
 PROJECT NO. M95-13A
 SHEET 2 OF 3

01

Darbar Industries Limited

ACCEPTANCE No. 91-8706-01
 APPROVED August 23, 2001
 EXPIRES Sept. 23, 2006

NOTICE OF ACCEPTANCE - SPECIFIC CONDITIONS

1. **SCOPE**
 1.1 This notice NOA # 91-0528-02, which approves a steel door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1704 Edition of the Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. **PRODUCT DESCRIPTION**
 2.1 The Series LSIR, Flush Outswing Commercial Steel Door - Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No. KDSD 0901, titled "Series LSIR", Sheets 1 through 5 of 5, prepared by manufacturer dated 05-22-98 and revised on 05-21-98, signed and sealed by Kelynn Whitfield, P.E. bearing the Miami-Dade County Product Control stamp with the House of Acceptance number and expiration date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. **LIMITATIONS**
 3.1 This approval applies to single unit applications of pair and single door only, as shown in approved drawings. Single door units shall include all components described in the above list of this approval.
 3.2 Unit shall be installed at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to unit is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

4. **INSTALLATION**
 4.1 The commercial steel doors and its components shall be installed in strict compliance with the approved drawings.
 4.2 Hurricane protection system (sisters) the installation of this unit will not require a hurricane protection system.

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

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

Raul Rodriguez, Chief
 Product Control Division

Darbar Industries Limited

ACCEPTANCE No. 91-8706-01
 APPROVED August 23, 2001
 EXPIRES Sept. 23, 2006

NOTICE OF ACCEPTANCE - STANDARD CONDITIONS

1. Removal 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, as 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) The Acceptance holder has not complied with all the requirements of this acceptance;
 d) The engineer who originally prepared, signed and sealed the required documentation initially submitted it no longer practicing the engineering profession.

4. Any revision or change in the material, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.

5. Any of the following shall also be grounds for removal of this Acceptance:
 a) Unsatisfactory performance of this product or process.
 b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.

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

7. A copy of this Acceptance as well as approved drawings and other documents, 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 times. The engineers 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

Raul Rodriguez, Chief
 Product Control Division

ORDINANCE NO. 97-114

ORDINANCE AMENDING THE SOUTH FLORIDA BUILDING CODE CREATING AN EXCEPTION FOR TEST FOR DOORS INSTALLED IN NON-HABITABLE AREAS; AMENDING SECTION 1306, PROVIDING SEVERABILITY; INCLUSION BY THE SOUTH FLORIDA BUILDING CODE AND AN EFFECTIVE DATE

BE IT ORDAINED BY THE BOARD OF COUNTY COMMISSIONERS OF DADE COUNTY, FLORIDA:

Section 1. The South Florida Building Code, adopted by ordinance 57-22, as amended, is hereby further amended as follows:

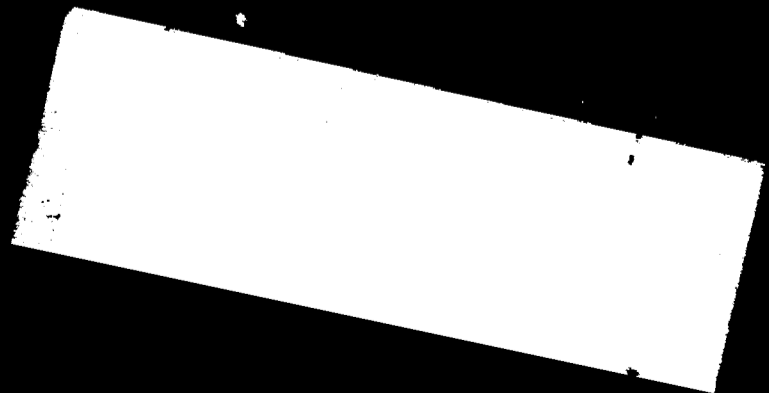
3306.2 DOORS - AND OPERATIVE WINDOWS IN EXTERIOR WALLS:

(b) TESTS

(i) Operative window and door assemblies shall be tested in accordance with requirements of this Florida Building Code (FBC) and the International Building Code (IBC) and the International Residential Code (IRC) and the International Mechanical Code (IMC) and the International Plumbing Code (IPC) and the International Fire Code (IFC) and the International Electrical Code (IEC) and the International Mechanical Code (IMC) and the International Plumbing Code (IPC) and the International Fire Code (IFC) and the International Electrical Code (IEC).

Section 2. If any provision, restriction, exemption, clause or provision of this ordinance is held invalid the remainder of this ordinance shall not be affected by such invalidity.

Work performed under (license number) shall be deemed. Unlicensed work under a license number shall be deemed. Unlicensed work under a license number shall be deemed.



MEMORANDUM

Agenda Item No. 418
Public Hearing 7-8-97
May 28, 1997

MEMORANDUM FOR: Board of County Commissioners
FROM: Anthony Vito, P.E., County Manager
SUBJECT: Proposed Ordinance Amending the South Florida Building Code, Chapter 35
97-114

RECOMMENDATION

It is recommended that the Board approve the attached ordinance amending Section 3506.3 (b) (1) of Chapter 35 (Building and Occupancy) of the South Florida Building Code (SFBC) to create an exception for the requirement of water infiltration testing in non-habitable areas. This item has been reviewed and recommended by the Building Code and Project Review Committee and the Building Code Compliance Office.

BACKGROUND

The proposed ordinance amends Section 3506.3 (b) (1) of Chapter 35 creating an exception for the requirement of water infiltration testing in non-habitable areas. The proposed amendment will help expedite the review of such doors by providing for a reduction in the assembly testing requirements. It will also provide a cost savings to the industry by eliminating the need for this additional test procedure for door assemblies designed for installation in non-habitable areas.

This amendment also provides the construction industry with an appropriate exception for the many cases that require installation of water resistant and pressure resistant doors by means of the door assemblies. These door assemblies, because of the entrance of the ventilation openings, will not pass the requirements of the water infiltration test. However, because the areas are non-habitable, the limited infiltration of water does not pose any threat or danger to the area's contents or use.

By allowing this limited exception for installation in non-habitable areas, we will not be undermining the County's commitment of providing quality construction products which are cost effective and reliable.

GUEST:

- (a) In connection with multiple-family Occupancies means a person hiring a room for living under sleeping purposes.
- (b) In connection with single-family and two-family Occupancies means a person sharing single-family accommodations without profit on those accommodations.

GUEST HOUSE:

- (a) As a part of multiple-family Occupancies means a detached single-family dwelling occupied or intended to be occupied for hire.
- (b) As a part of a single-family and two-family Occupancies means a detached portion which provides rooms and necessary appurtenances for the sleeping accommodations and/or entertainment of non-paying guests and their servants, but not provided with means for the general and regular serving of meals.

GUEST ROOM:

- (a) In connection with multiple-family Occupancies means a room in a building, occupied or intended to be occupied for hire.
- (b) In connection with single-family and two-family Occupancies means a room in the main or an accessory building occupied or intended to be occupied by non-paying guests.

HABITABLE ROOM: A room in a residential unit used for living, sleeping, eating or cooking, but excluding baths, toilets, storage spaces or corridors.

HEIGHT, BUILDING: In general, this term defines the vertical distance from grade to the highest finished roof surface of a flat roof or to the average level of a gable, or hip roof, except that with regard to the application of requirements for high rise fire protection, the term shall be defined as set forth in Chapter 39 of this Code.

HEIGHT, STORY: The vertical distance from top to top of 2 successive floors or floor or roof.

HEIGHT, STRUCTURE: The height of a structure erected on the ground shall be the vertical distance from grade to the highest point thereof, and for roof structures shall be the vertical distance from the mean level of the roof to the highest point of such structure. In general, the height of a structure shall be the overall height.

HIGH HAZARD: High Hazard contents shall be classified as those which are liable to burn with extreme rapidity or from which poisonous flames or explosions are to be feared.

Section 2. It is the intention of the Board of County Commissioners, and it is hereby ordered that the provisions of this ordinance shall become and be made part of the South Florida Building Code. The sections of this ordinance may be reworded or renumbered to accomplish such intention, and the word "ordinance" may be changed to "order", "article" or other appropriate word.

Section 3. This ordinance shall become effective ten (10) days after the date of its enactment unless voted by the Mayor, and if voted, shall become effective only upon or provided by this Board.

Section 4. This ordinance does not create a sunset provision.

PASSED AND ADOPTED: JUL 8 8 1997

Approved by County Attorney as to form and legal sufficiency:

Prepared by:

[Signature]

01

STATE OF FLORIDA
BANK COUNTY

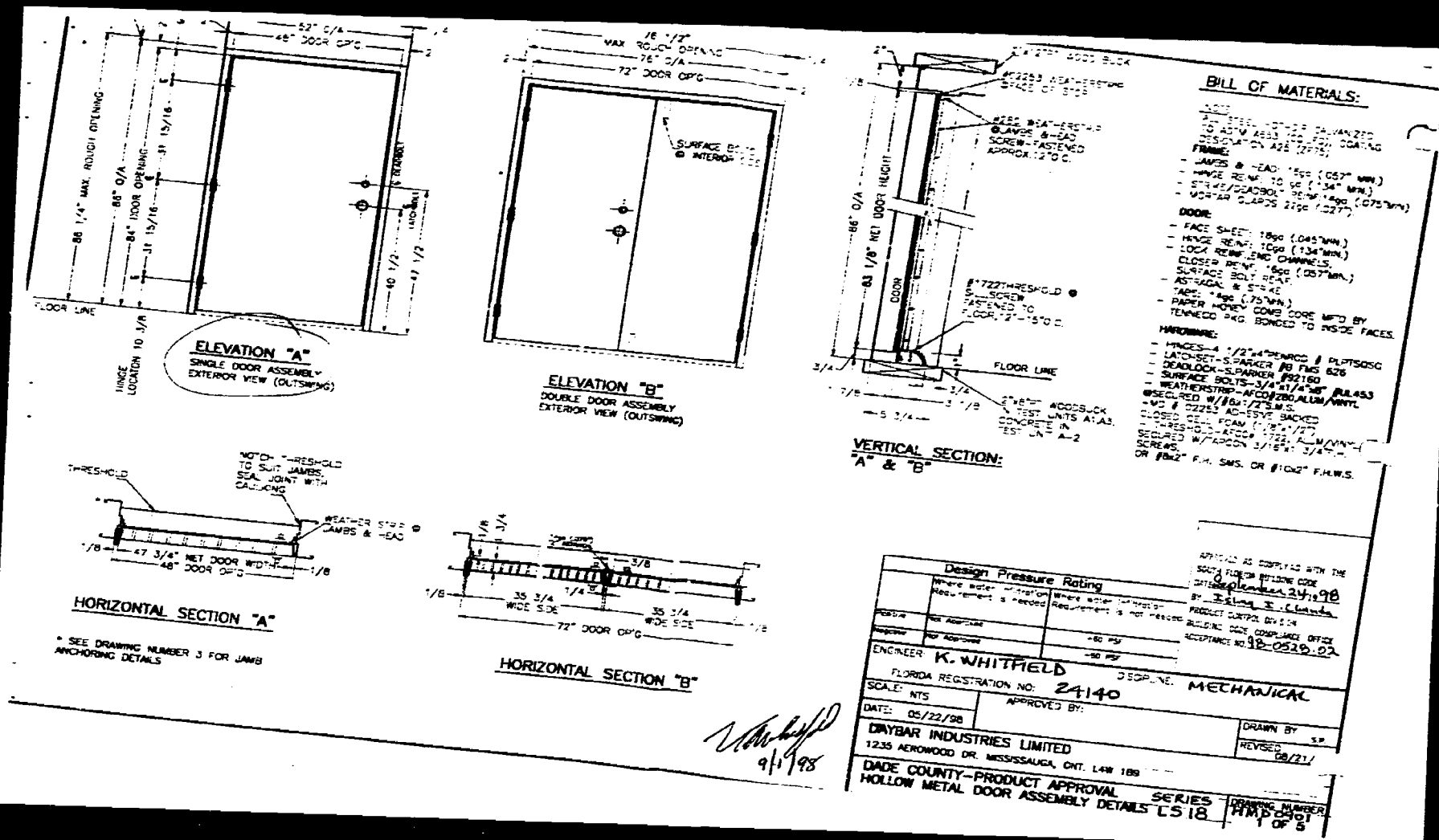
I, Harvey Smith, Clerk of the Circuit Court in and for Bank County, Florida, and in-office Clerk of the Board of County Commissioners of said County, do hereby certify that the above is a true and correct copy of the same.

WITNESSED my hand and official seal on this 14th day of JULY A.D. 1997.

Harvey Smith, Clerk
Board of County Commissioners
Bank County, Florida

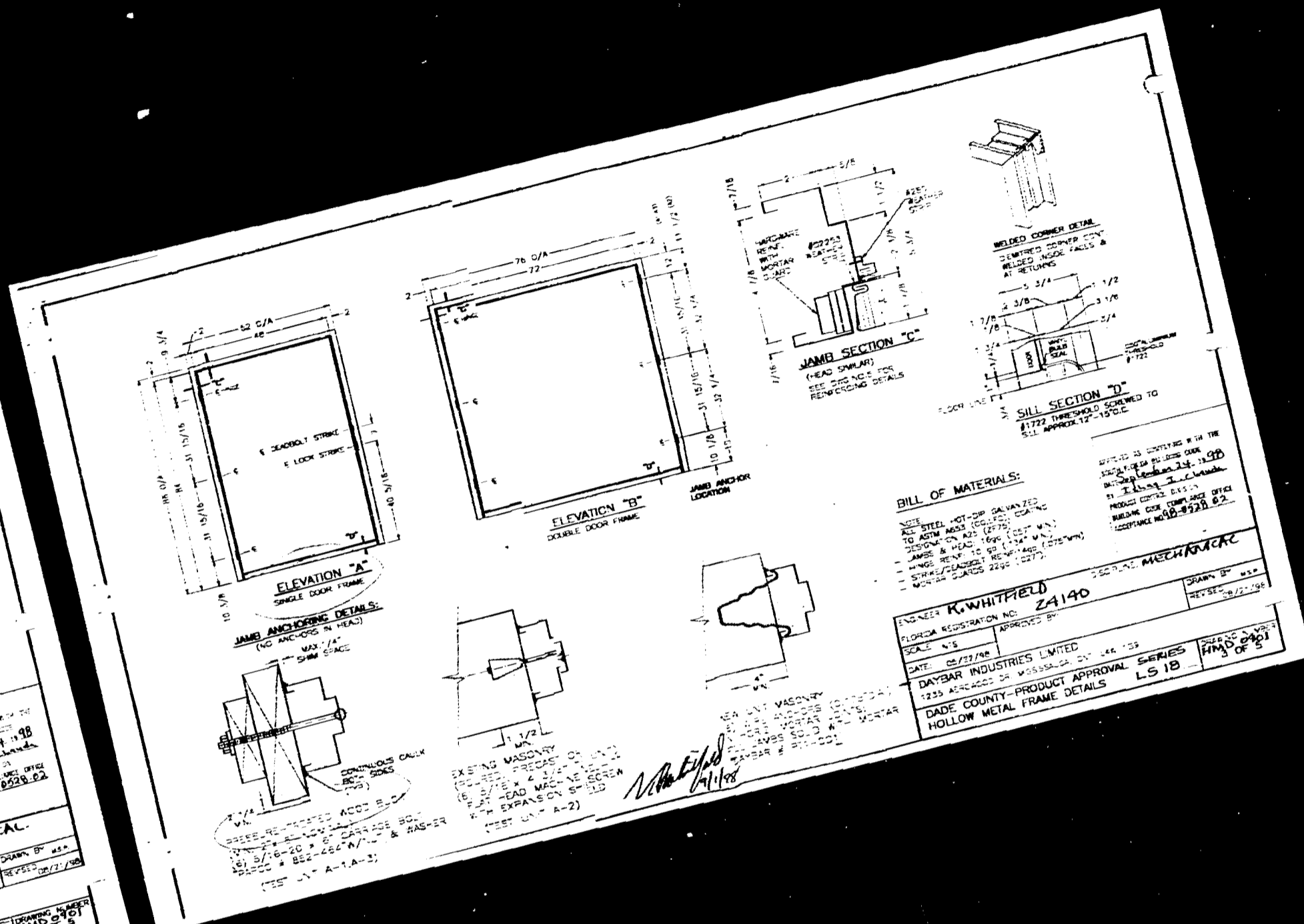
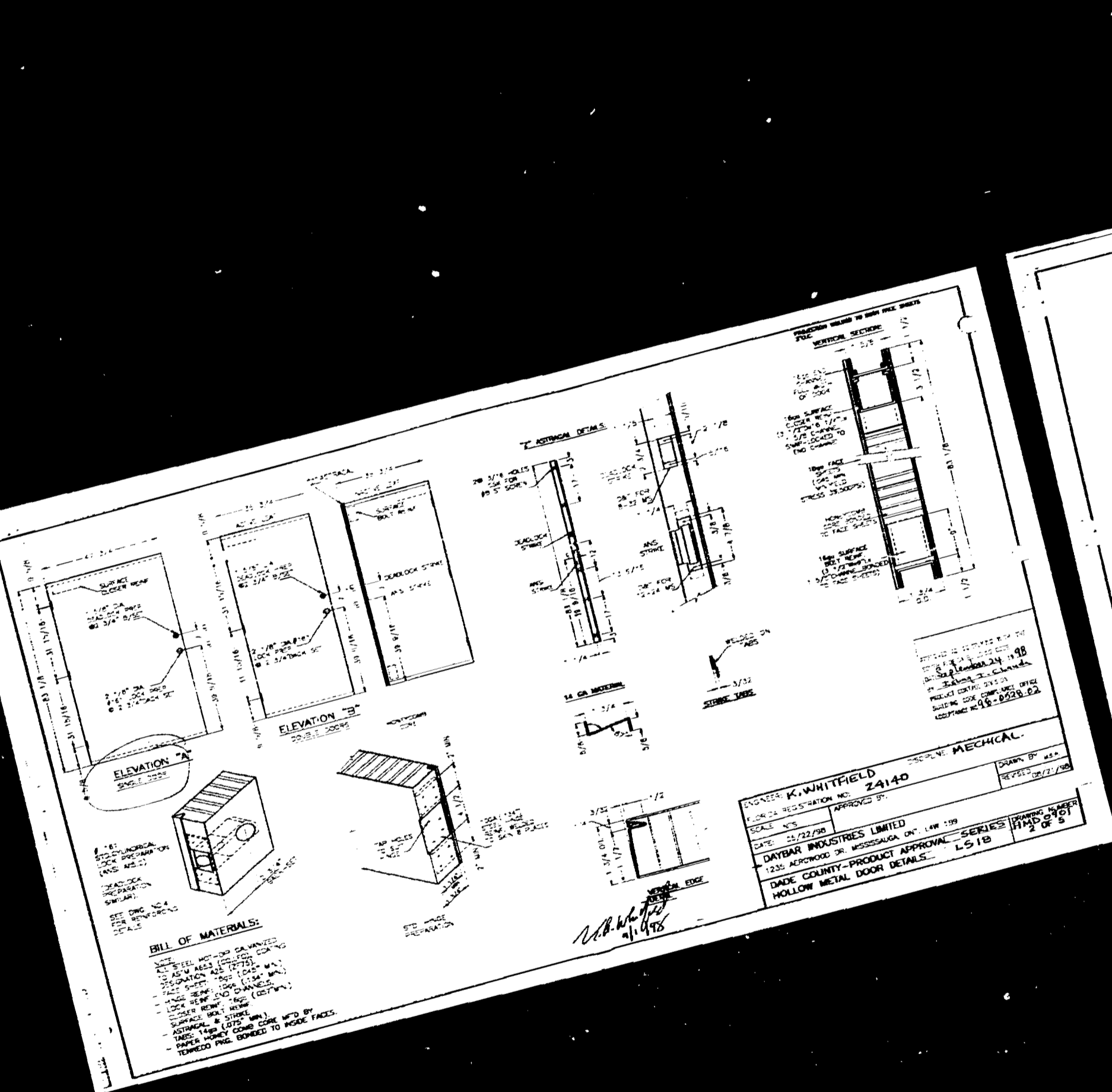


Board of County Commissioners
Bank County, Florida

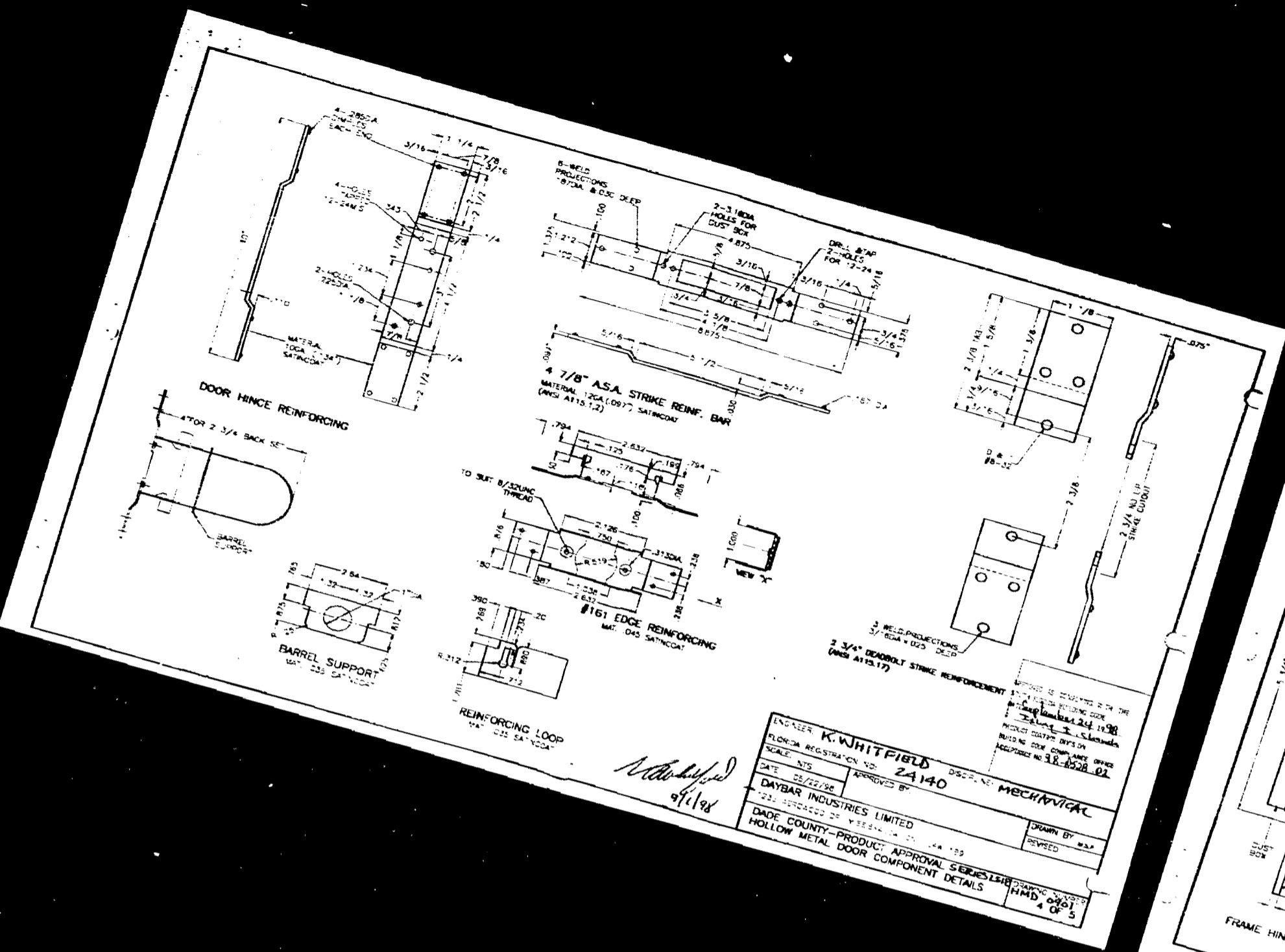


Handwritten signature
9/1/98

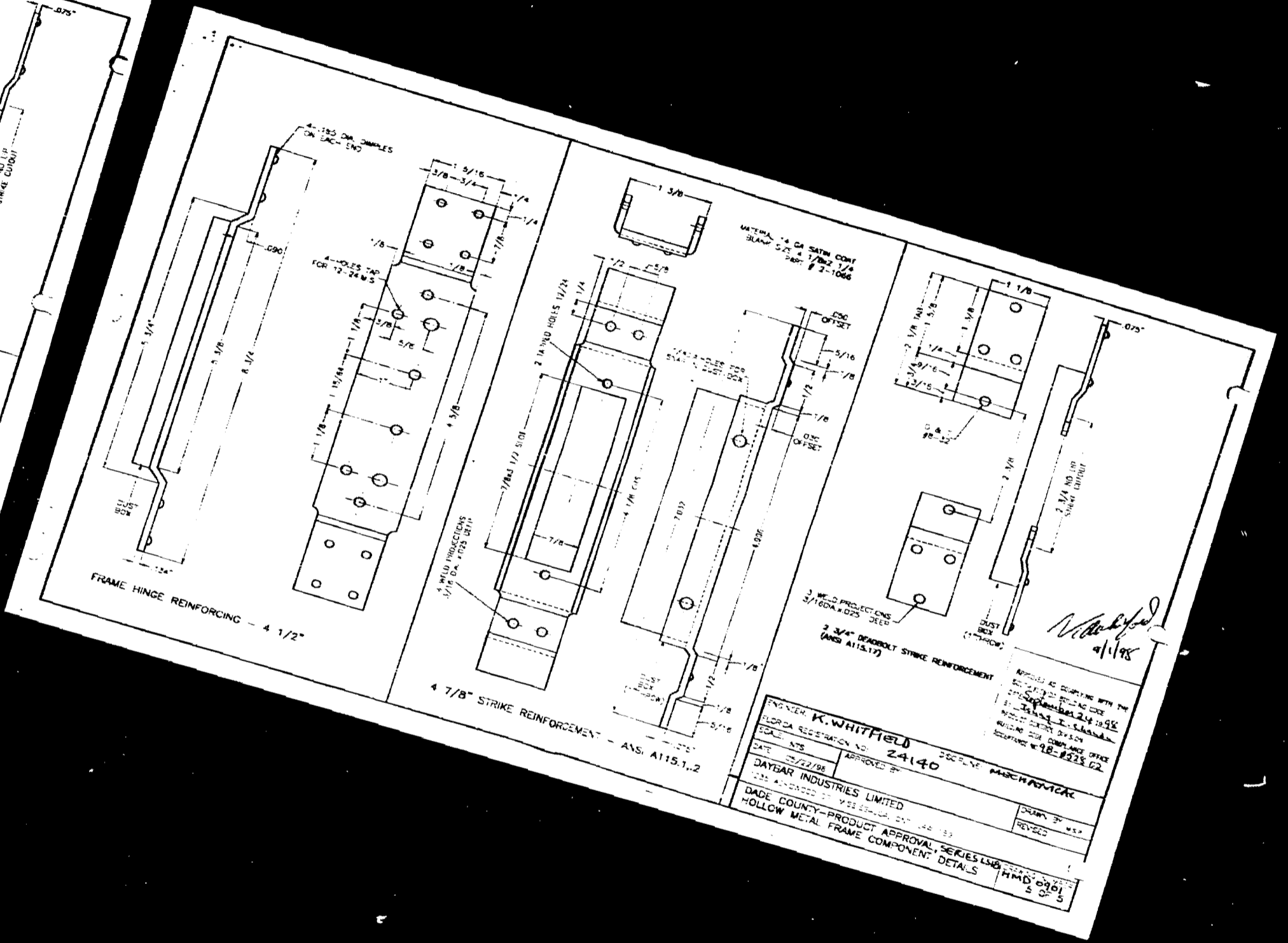




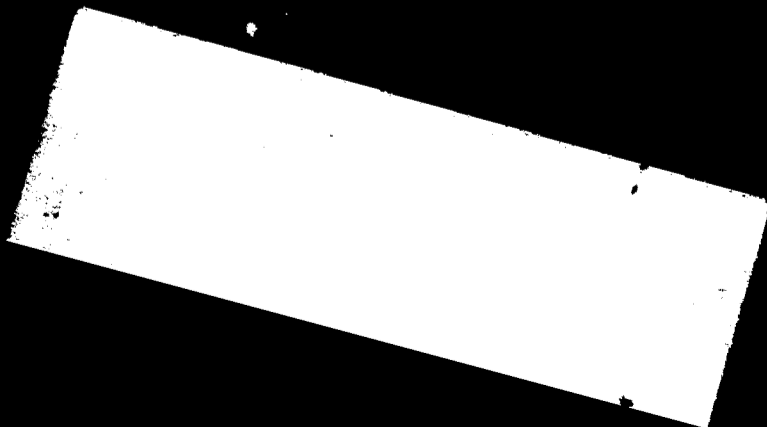
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ENGINEER **K. WHITFIELD**
 FLORIDA REGISTRATION NO. **24140**
 DATE **02/22/98** APPROVED BY **MECHANICAL**
DAYBAR INDUSTRIES LIMITED
 1235 W. STATE ST. #200
 MIAMI, FL 33135
 DADE COUNTY - PRODUCT APPROVAL SERIES LMD
 HOLLOW METAL DOOR COMPONENT DETAILS
 HMD 0101
 4 OF 5



ENGINEER **K. WHITFIELD**
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 1235 W. STATE ST. #200
 MIAMI, FL 33135
 DADE COUNTY - PRODUCT APPROVAL SERIES LMD
 HOLLOW METAL FRAME COMPONENT DETAILS
 HMD 0101
 5 OF 5



01

MIRAMONTE COUNTY FLORIDA
MIRAMONTE COUNTY PLAZA BUILDING
BUILDING CODE COMPLIANCE OFFICE
1978 Technology Drive
Tallahassee, FL 32312

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Your signature for Notice of Acceptance (NOA) for Series SGT-79 Aluminum Sliding Glass Door-Inset, under Chapter 8 of the Code of Miami-Dade County governing the use of Aluminum Materials and Types of Construction, and commonly accepted means, 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 vendor or manufacturer's plant for quality control testing. If this product or material fails to conform to the approved standard, BCCO may revoke, modify, or suspend the use of such product or material, immediately. BCCO reserves the right to approve 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. 882311
EXPIRES: 11/1/92

[Signature]
Luis Rodriguez
Chief Building Control Division

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

OFFICE OF THE CITY OF MIAMI BEACH
BUILDING CODE & PUBLIC REVIEW COMMITTEE
APPROVED FOR PERMIT BY

THE FOLLOWING:
BUILDING: [Signature]
ZONING: [Signature]
DRAINAGE: [Signature]
COMPLIANCE: [Signature]
PLUMBING: [Signature]
ELECTRICAL: [Signature]
MECHANICAL: [Signature]
FIRE PREVENTION: [Signature]
ENGINEERING: [Signature]
PUBLIC WORKS: [Signature]
STRUCTURES: [Signature]
ACCESSIBILITY: [Signature]
ELEVATOR: [Signature]

PCT Industries
ACCEPTANCE NO. 882311
APPROVED: 11/1/92
EXPIRES: 11/1/92

NOTICE OF ACCEPTANCE - SPECIFIC CONDITIONS

- 1. SCOPE
1.1 This approval is for aluminum sliding glass door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBCC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBCC Chapter 21, do not exceed the Design Pressure Rating values indicated in the approved drawings.
- 2. PRODUCT DESCRIPTION
2.1 The SGT-79 Series Aluminum Sliding Glass Door - Large Missile Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No. 4045-1, titled "SGT-79 ONYX" Sliding Glass Door, dated 12/15/89, and revised on 10/17/90, approved along with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall, hereinafter be referred to as the approved drawings.
- 3. LIMITATIONS
3.1 This approval applies to single unit applications only, as shown in approved drawings.
3.2 Head receptor is not allowed to be used in this installation.
- 4. INSTALLATION
4.1 The aluminum sliding glass door and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters). The installation of this unit will not require a hurricane protection system.
- 5. LABELING
5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, any size 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 indicated in Section 2 of this Notice of Acceptance, clearly marked to show the components specified for the proposed installation.
6.1.3 Any other documents required by the Building Official of the South Florida Building Code (SFBCC) in order to properly evaluate the installation of this system.

[Signature]
Luis Rodriguez, P.E. Product Control Examiner
Product Control Division
2012

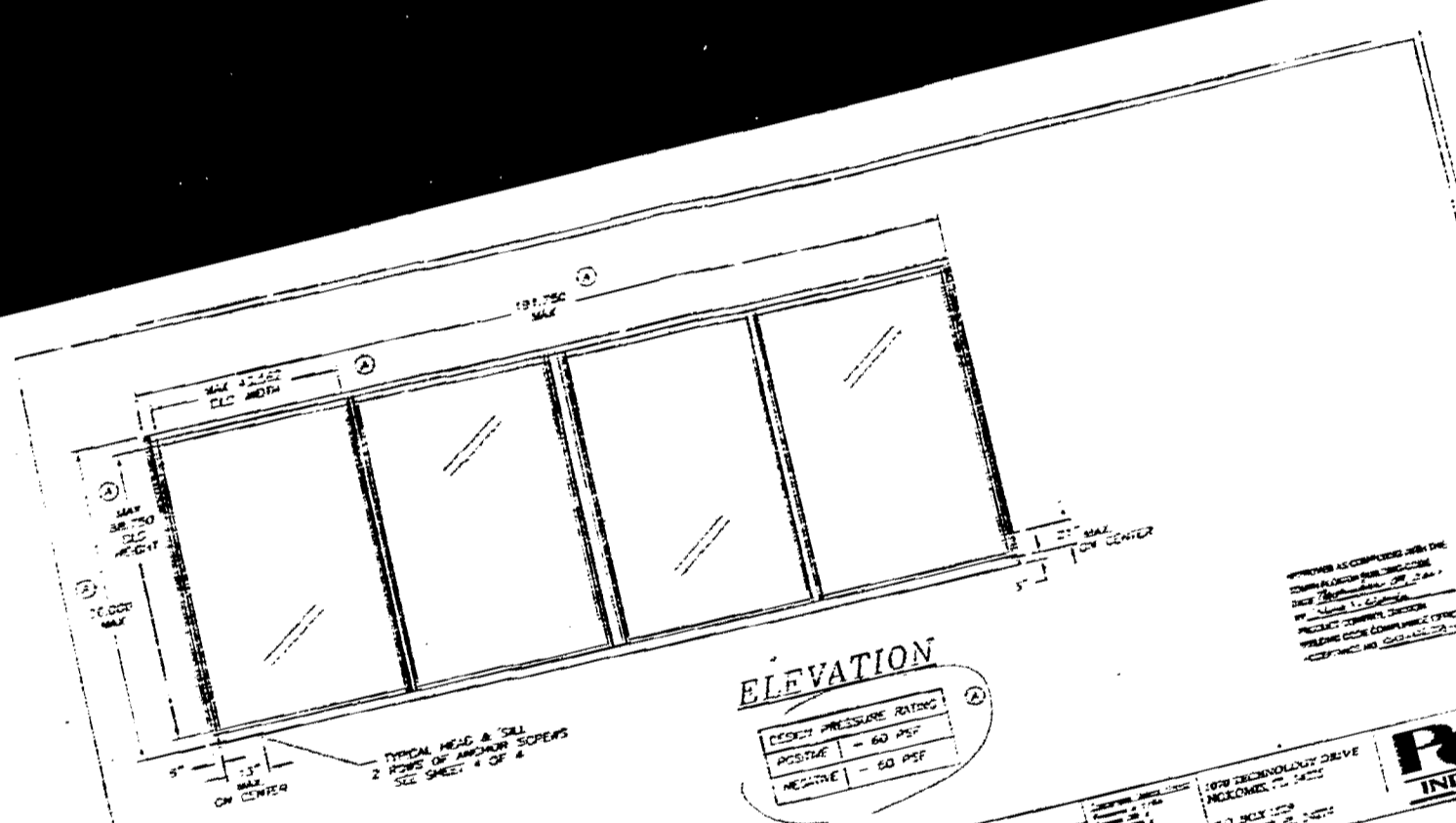
PCT Industries
ACCEPTANCE NO. 882311
APPROVED: 11/1/92
EXPIRES: 11/1/92

NOTICE OF ACCEPTANCE - STANDARD CONDITIONS

- 1. Material of this acceptance approval shall be considered after a renewal inspection has been filed and the original approval documents, including all supporting data, engineering calculations, and so forth, shall be kept for 5 years.
- 2. Any low bid approved process shall be recommended to meet with the manufacturer's name, any state, and the following statements: "Miami-Dade County Product Control Approved" or its equivalent shall be the specific conditions of this Acceptance.
- 3. Revocation of Acceptance will be as follows:
a) There has been a change in the South Florida Building Code affecting the installation of this product and the product is not in compliance with the code change.
b) The product is no longer the most product (selected) of the one originally approved.
c) If the manufacturer or installer 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 a no longer practicing the engineering profession.
- 4. Any revision or change in the materials, use, color, manufacture of the product or process shall automatically be cause for revocation of this Acceptance, unless prior written approval has been received through the filing of a new application and appropriate fees 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 local advertising or any other purpose.
6. The Notice of Acceptance number provided by the South Florida Building Code, Florida, and followed by the manufacturer's name may be displayed in advertising literature. Any portion of the Notice of Acceptance is destroyed, then it shall be done in as follows:
7. A copy of this Acceptance as well as approved drawings and other documents, when it expires, shall be provided to the user by the manufacturer or the distributor and shall be retained for inspection in the office and it shall be returned to the user.
8. Failure to comply with the terms of this Acceptance shall be cause for revocation and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page.

[Signature]
Luis Rodriguez, P.E. Product Control Examiner
Product Control Division
2012

01



ELEVATION

DESIGN PRESSURE RATINGS	
POSITIVE	- 60 PSF
NEGATIVE	- 60 PSF

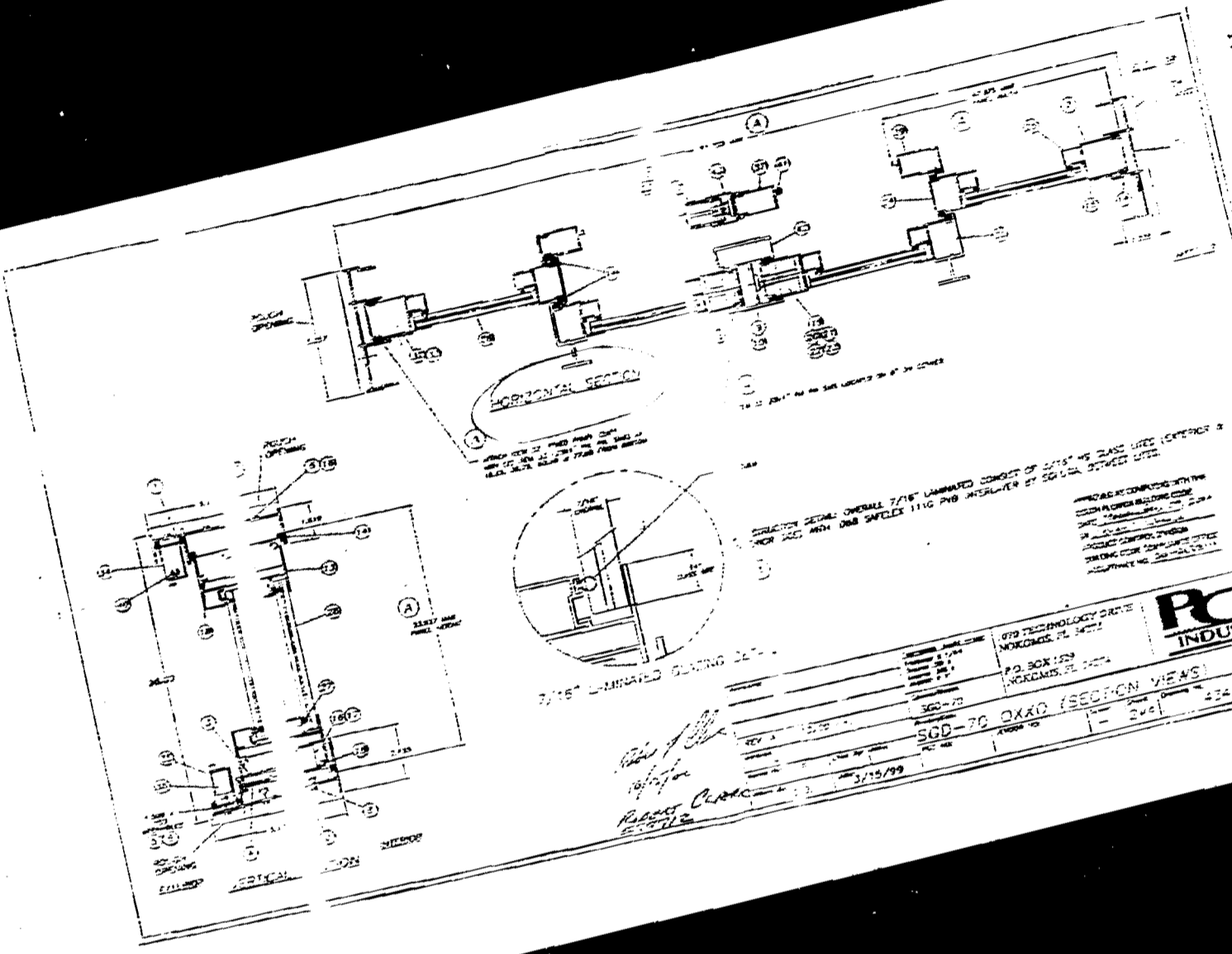
- LARGE MISSILE IMPACT DOORS**
- 1) DRAWING 7/75" (ANNEXED)
 - 2) CONFIGURATION: CXXD
 - 3) SEALANT FRAME CENTER DISSEALATION SCREWS & PANEL CORNERS
 - 4) SEALANT WITH CORNER WIRE-ROD (SMSSOIA SEAM SEALER)
 - 5) SPACING:
 - a) 1" FROM EACH CORNER (HEAD & SILL)
 - b) 3" FROM EACH CORNER (JAMB)
 - c) MAX. SPACING AT HEAD & SILL: 13.000
 - d) MAX. SPACING AT JAMB: 21.000
 - 6) SPALTER REQUIREMENT: NO SPALTERS REQUIRED
 - 7) REFERENCE TEST REPORT: FTL-2369

REV A	12/13/90	7K	SGD-70	CXXD	ELEVATION	4245-1
REV B	08	3/15/99				

RGT INDUSTRIES

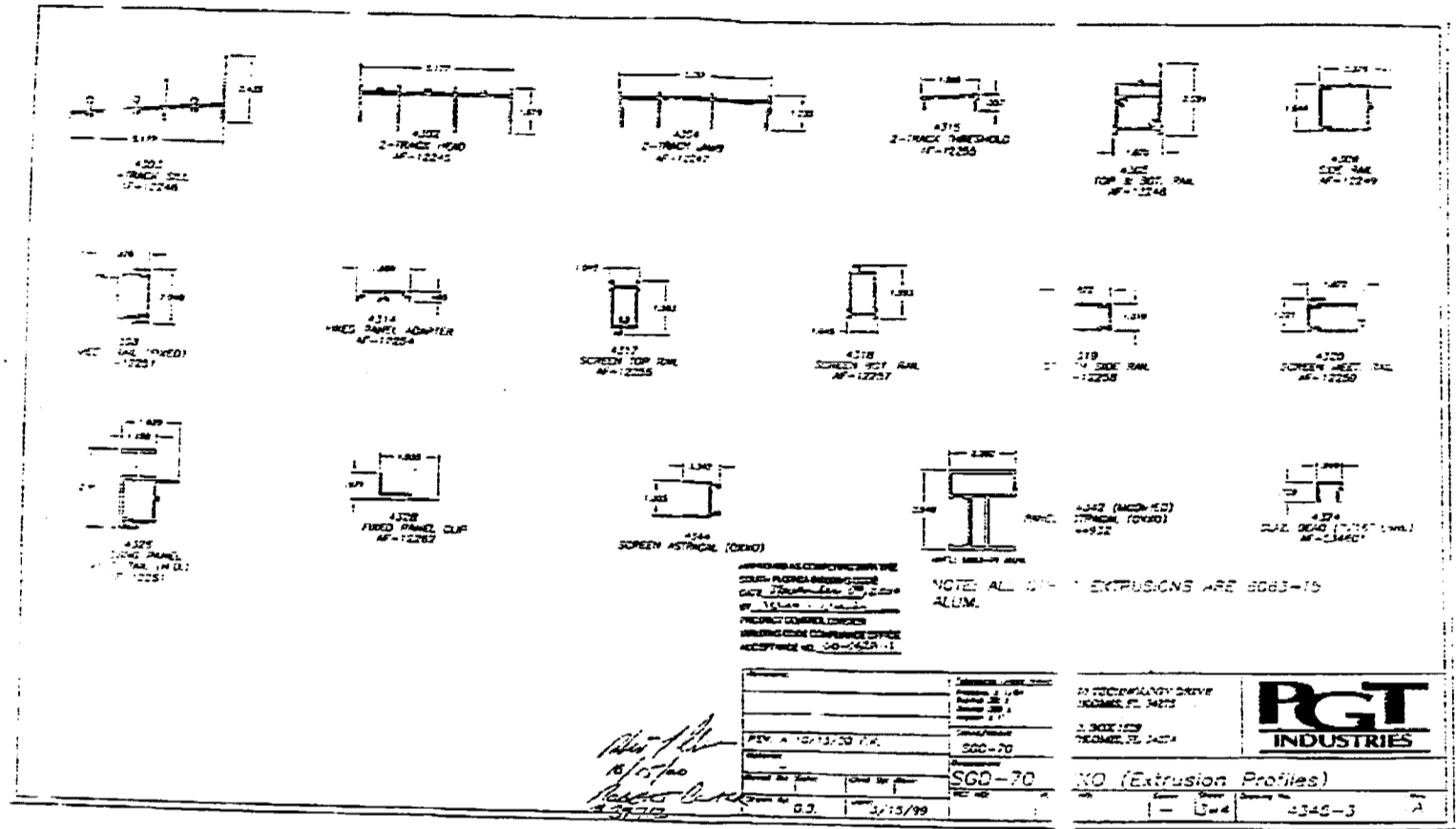
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TEL: (941) 932-7200
11 & S
BRIDGE

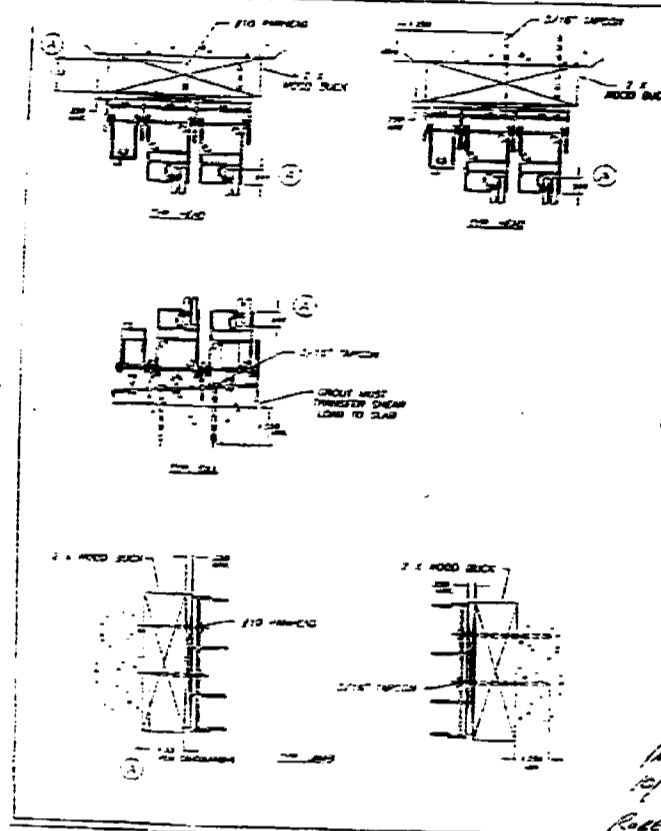


REV A	12/13/90	7K	SGD-70	CXXD	ELEVATION	4245-1
REV B	08	3/15/99				

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RGT INDUSTRIES
 307 1st Commercial of H & S
 TEL: (941) 480-1800
 FAX: (941) 480-1800
 1418 N. W. 22nd St. Pompano Beach, FL 33062



ITEM #	DESCRIPTION	QTY	VENUE #	VENUE #
1	1/2" DIA. ALUM. ROD	1		
2	1/2" DIA. ALUM. ROD	1		
3	1/2" DIA. ALUM. ROD	1		
4	1/2" DIA. ALUM. ROD	1		
5	1/2" DIA. ALUM. ROD	1		
6	1/2" DIA. ALUM. ROD	1		
7	1/2" DIA. ALUM. ROD	1		
8	1/2" DIA. ALUM. ROD	1		
9	1/2" DIA. ALUM. ROD	1		
10	1/2" DIA. ALUM. ROD	1		
11	1/2" DIA. ALUM. ROD	1		
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48	1/2" DIA. ALUM. ROD	1		
49	1/2" DIA. ALUM. ROD	1		
50	1/2" DIA. ALUM. ROD	1		

SGD-0X10 - BILL OF MATERIALS

REV. A 10/13/99

DATE: 10/13/99

BY: [Signature]

SGD-0X10 - BILL OF MATERIALS

REV. A 10/13/99

DATE: 10/13/99

BY: [Signature]

RGT INDUSTRIES
 307 1st Commercial of H & S
 TEL: (941) 480-1800
 FAX: (941) 480-1800
 1418 N. W. 22nd St. Pompano Beach, FL 33062

01

MIAMI BEACH
MIAMI-DADE COUNTY, FLORIDA
MAYOR DASH PLAZA 18 BUILDING

PRODUCT CONTROL NOTICE OF ACCEPTANCE

FCT Industries
1878 Technology Drive
Valencia, FL 34773

MIAMI-DADE COUNTY, FLORIDA
MAYOR DASH PLAZA 18 BUILDING
BUILDING CODE COMPLIANCE DIVISION
1878 TECHNOLOGY DRIVE
VALENCIA, FLORIDA 34773
TEL: (813) 297-2200 FAX: (813) 297-2204

Your application for Notice of Acceptance (NOA) of Series SGD-79 Aluminum Sliding Glass Door- Impact, under Chapter 9 of the Code of Miami-Dade County governing the use of Materials, Types of Construction, and component standards, has been reviewed and approved by the Miami-Dade County Building Code Compliance Office (BCCO) under the supervision of the Miami-Dade County Building Code Compliance Officer (BCCO).

This NOA shall not be valid after the expiration date stated herein. BCCO reserves the right to require this product or material to be tested at any time from a periodic 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. 88-062811
EXPIRES: 11-07-2000

Neil Kaufman
Neil Kaufman
Chief Product Control Division

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

THIS APPLICATION FOR PRODUCT ACCEPTANCE HAS BEEN REVIEWED BY THE BUILDING CODE AND PRODUCT REVIEW COMMITTEE TO BE USED IN MIAMI-DADE COUNTY, FLORIDA UNDER THE CONDITIONS SET FORTH HEREIN.

APPROVED: 11-07-2000
THE FOLLOWING:
APPROVED FOR PERMIT BY
MIAMI BEACH

Internet Web Address: www.miamidade.com

FCT Industries

ACCEPTANCE No. 88-062811

APPROVED: November 9, 2000

EXPIRES: November 9, 2000

NOTICE OF ACCEPTANCE - SPECIFIC CONDITIONS

- SCOPE
 - This approval is an aluminum sliding glass door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBG), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBG Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.
- PRODUCT DESCRIPTION
 - The SGD-79 Series Aluminum Sliding Glass Door - Large Missile Impact Resistant and its components shall be constructed in strict compliance with the following documentation: Drawing No. 4345-1, titled "SGD-79 OXCO" Sliders 1 through 4 of 4 dated 04-17-97, and re-use on 10-15-00, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall remain to be retained to the approved drawings.
- LIMITATIONS
 - This approval applies to single unit applications only, as shown in approved drawings.
 - Head receptor is not allowed to be used in this installation.
- INSTALLATION
 - The aluminum sliding glass door and its components shall be installed in strict compliance with the approved drawings.
 - Storm protection system (sliders): The installation of this unit shall require a storm door protection system.
- LABELING
 - Each unit shall bear a permanent label, with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County, Product Control Approval".
- BUILDING PERMIT REQUIREMENTS
 - Application for building permit shall be accompanied by copies of the following:
 - This Notice of Acceptance.
 - Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components specified for the proposed initial draw.
 - Any other documents required by the Building Official or the South Florida Building Code (SFBG), in order to properly initiate the installation of this system.

Neil Kaufman
Neil Kaufman, P.E. Product Control Examiner
Product Control Division
2000

FCT Industries

ACCEPTANCE No. 88-062811

APPROVED: November 9, 2000

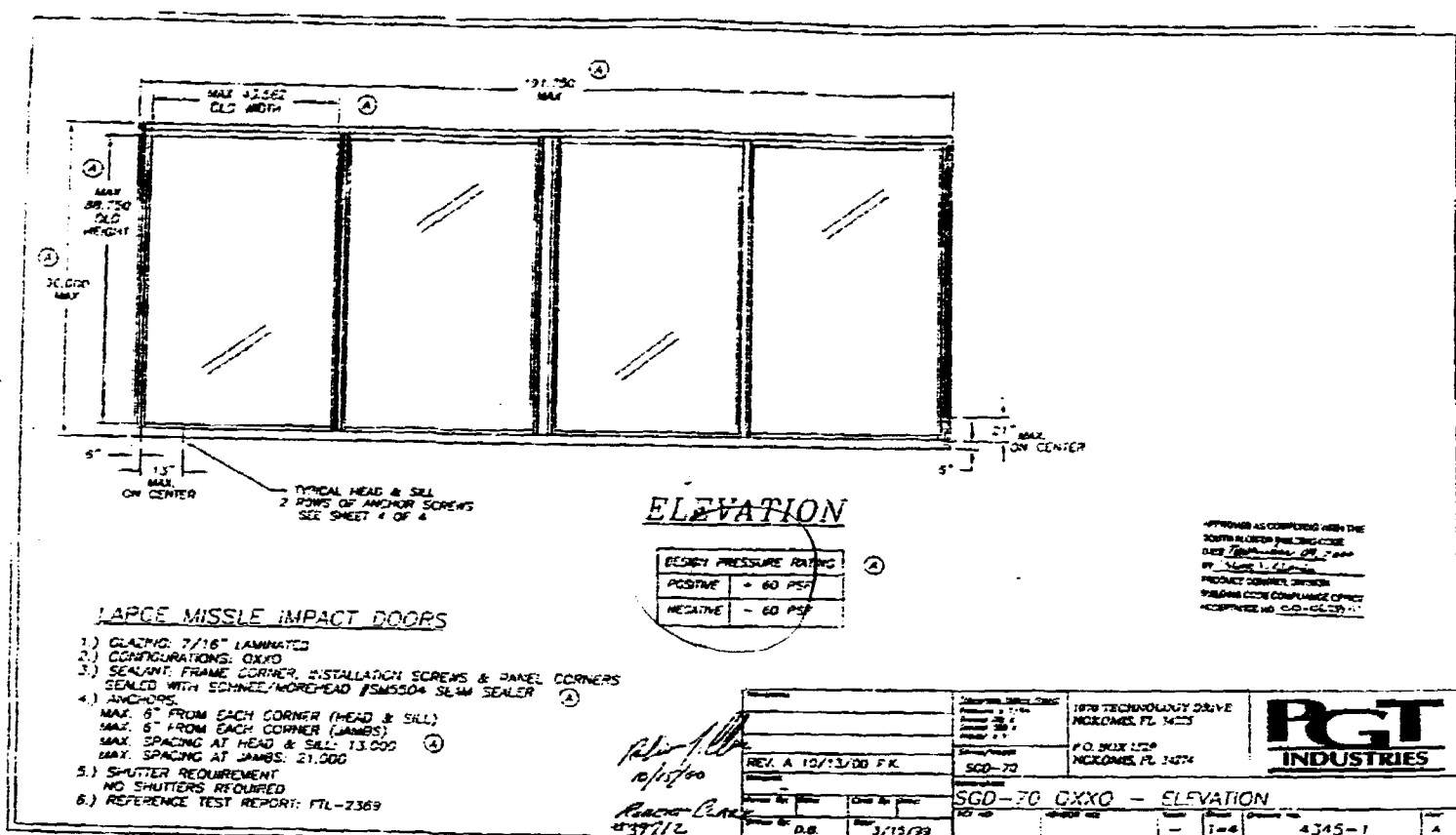
EXPIRES: November 9, 2000

NOTICE OF ACCEPTANCE - STANDARD CONDITIONS

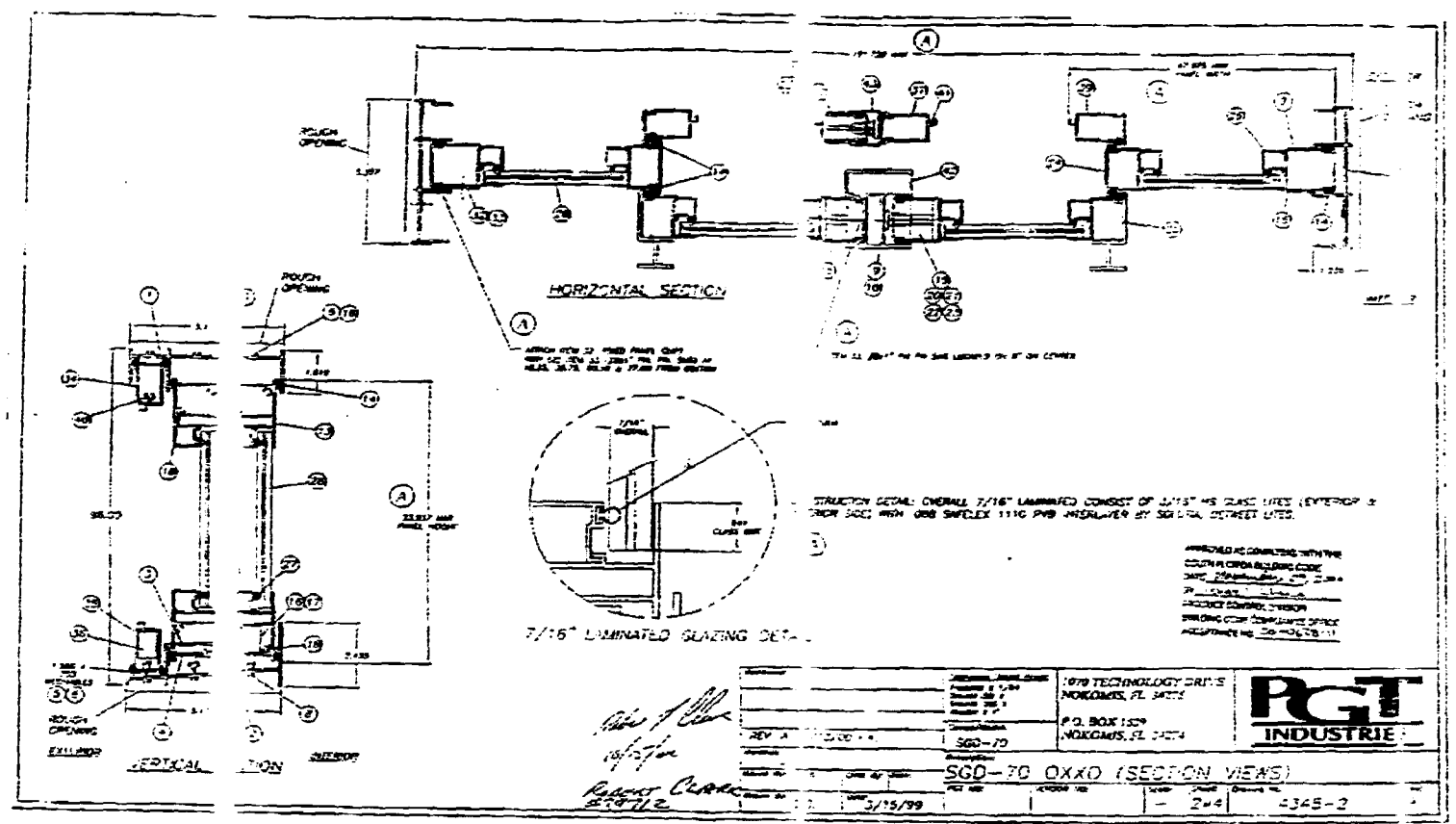
- Review of this Acceptance approval shall be considered after a renewal application has been filed to the original state test documentation, including test supporting data, engineering calculations, are no older than eight (8) years.
- Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approval", or as specifically stated in the specific conditions of this Acceptance.
- Reviews of Acceptance will not be considered if:
 - 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.
 - The product is no longer the same product (material) as the one originally approved.
 - If the Acceptance no longer has been carried with all the requirements of this acceptance, including the correct installation of the product.
 - The engineer who originally prepared, signed and sealed the required documentation (initially submitted to the engineer practicing the engineering profession).
- Any revision or change in the materials, use, and/or manufacture of the product or process shall immediately be closed for termination of this Acceptance, unless prior written approval has been obtained through the filing of a revision application with appropriate fees and granted by this office.
- Any of the following shall be grounds for removal of this Acceptance:
 - Unsatisfactory performance of this product or process.
 - Waiver of this Acceptance as an endorsement of any product, firm, law, advertising or any other purpose.
- The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the month and year may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
- A copy of this Acceptance as well as approved drawings and other documents, where applicable, 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 retain the copies.
- Failure to comply with a revision of this Acceptance shall be cause for termination and removal of Acceptance.
- The Notice of Acceptance consists of pages 1, 2 and this last page 4.

Neil Kaufman
Neil Kaufman, P.E. Product Control Examiner
Product Control Division
END OF THIS ACCEPTANCE
2 of 2





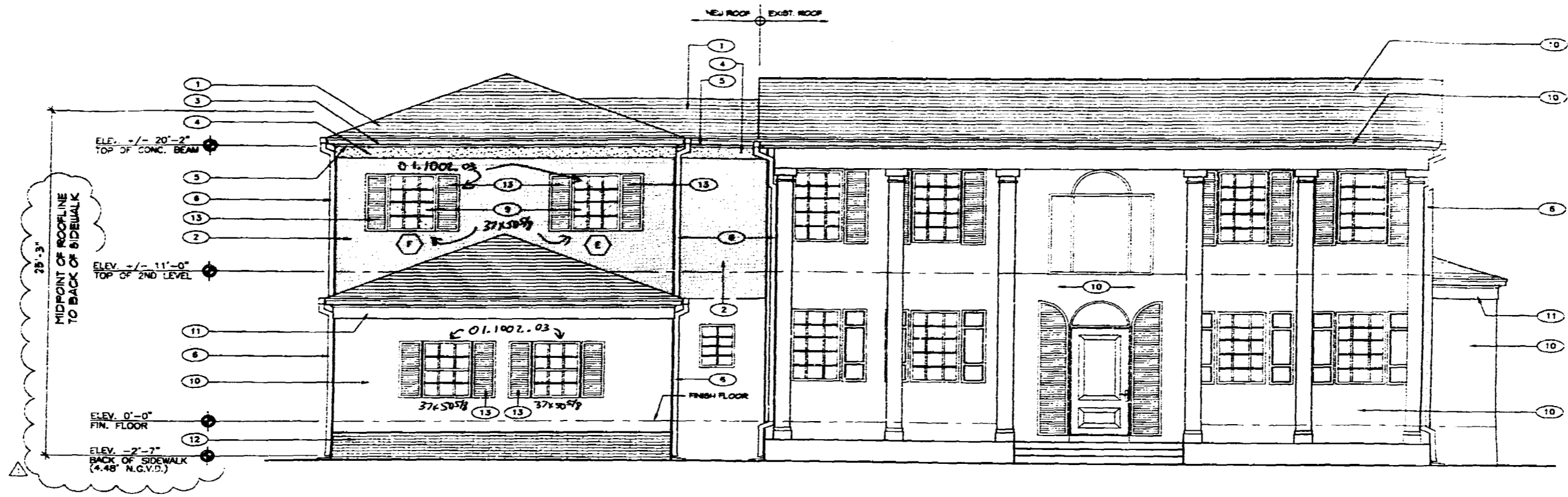
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 387 1 + Continuation of R & S
 TEL NO: (941) 480-1500
 484948 PROJ



Received Mar-22-01 03:11pm From 14134 188 22 2001 10: PGT INDUSTRIES
 387 1 + Continuation of R & S
 TEL NO: (941) 480-1500
 484948 PROJ

01

REVISIONS	No.
BUILDING DEPT. CITY OF MIAMI BEACH	1



NORTH ELEVATION

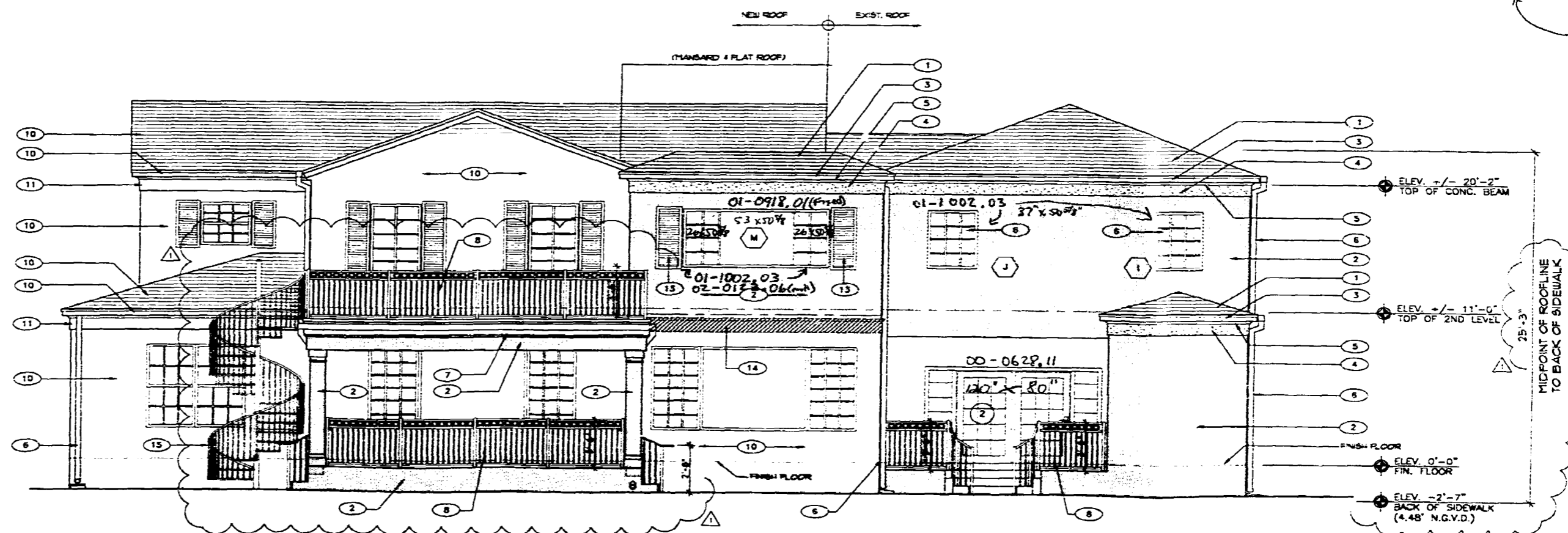
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ELEVATION LEGEND:

- NEW CEMENT FLAT ROOFING TILE SET IN ADHESIVE AND NAILED TO NEW FIBERGLASS ROOFING SLATE. NOT TYPED OVER ONE FULL LAYER OF 3/8" BUILDING FELT LAPPED 4" AND 1/2" CAFFED AT 0" EACH WAY (TYP.)
- NEW BANDING STUCCO FINISH TO MATCH EXIST. BLDG. STANDARD (TYP.)
- NEW SMOOTH STUCCO FASCIA 4" COPPER DROP EDGE TO MATCH EX. ST. BLDG. STANDARD (TYP.). SEE WALL SECTIONS.
- NEW DECORATIVE SMOOTH STUCCO BANDING TO MATCH EXIST. BLDG. STANDARD (TYP.)
- NEW DECORATIVE COATED STYROFOAM DRAIN MOLDING TO MATCH BLDG. STANDARD (TYP.)
- NEW CONTINUOUS ALUMINUM RAIN GUTTER 4" DOWNSPUT IN A COLOR SELECTED BY THE OWNER. PROVIDE A PRECAST CONC. SPLASH BLOCK.
- NEW DECORATIVE COATED STYROFOAM CORNICE MOLDINGS (TYP.). EXACT PROFILE SHALL BE SELECTED BY THE OWNER.
- NEW DECORATIVE UNDRUGHT IRON RAILINGS TO 3'-6" AFF. (TYP.) POCKETS SHALL RESIST A 4" DIA. OBJECT.
- NEW SECOND TEAMS OF EXPOSED WINDOW SHALL COMPLY WITH NFPA 922(2) AND SHALL HAVE A CLEAR VIEWING OPENING OF NOT LESS THAN 5 1/2 SQ. FT. (TYP. 24" W. X 24" H.). THE BOTTOM OF THE WINDOW OPENING SHALL NOT EXCEED 44" FROM 1'-2" FINISH FLOOR.
- EXISTING ROOFING TILE, FASCIA AND STUCCO FINISH TO REMAIN (TYP. UNLESS NOTED)
- EXISTING STUCCO BANDING 4" DRAIN MOLDING TO REMAIN (TYP. UNLESS NOTED)
- EXISTING BROOK PLANTER WALL TO REMAIN (TYP.)
- NEW DECORATIVE WOOD WINDOW SHUTTER TO MATCH EXIST. BLDG. STANDARD.
- EXISTING STUCCO BANDING TO BE COMPLETELY REMOVED (TYP.). PREPARE SURFACE AND APPLY NEW BANDING STUCCO FINISH TO MATCH EXISTING.
- NEW PREFABRICATED FACTORY-PAINTED STEEL SPIRAL STAIR CASE W/ OIL RUBBED TEAK HANDRAIL AT 34" FROM TOP OF TEAK TREADS. POCKETS SHALL RESIST A 4" DIA. OBJECT.

EXTERIOR PAINTING NOTES:

- ALL EXISTING AND NEW STUCCO FINISHES SHALL BE PREPARED AND FINISHED WITH TWO (2) COATS OF HIGH QUALITY EXTERIOR GRADE LATEX PAINT IN COLORS AND FINISHES SELECTED BY THE OWNER.
- ALL EXISTING AND NEW DOORS, FRAMES, WOOD SHUTTERS AND WOOD TRIM SHALL BE PREPARED AND PAINTED WITH TWO (2) COATS OF HIGH QUALITY EXTERIOR GRADE OIL BASE PAINT IN COLORS AND FINISHES SELECTED BY THE OWNER.
- ALL NEW CEDAR WOOD BEAMS, JOISTS, SLATS SHALL BE PREPARED AND SEALED WITH TWO (2) COATS OF THORNTON'S WEATHER SEALANT.



SOUTH ELEVATION

SCALE: 1/4"=1'-0"

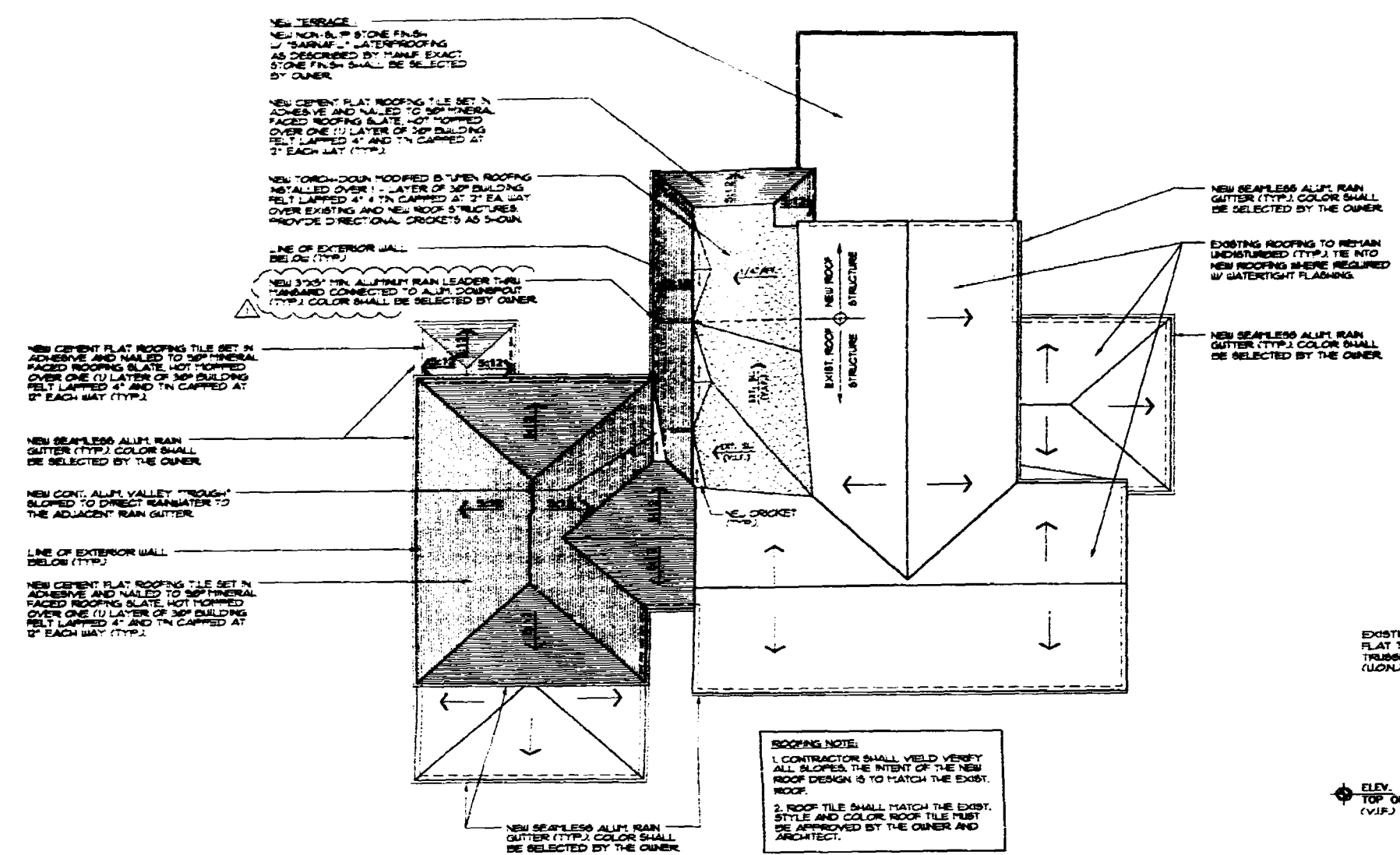
COPY
MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
BUILDING DEPT.
ENGINEER:
ELECTRICAL:
MECHANICAL:
PLUMBING:
STRUCTURAL:
ACCESSIBILITY:
DATE: 10/18/00
BY: [Signature]

ALTERATIONS & ADDITIONS FOR:
MR. & MRS. ARIEL FURST
800 LAKE VIEW DRIVE
MIAMI BEACH, FLORIDA

DRAWN:
CHECKED:
R.P.
DATE:
10-18-00
SCALE:
AS NOTED
JOB NO.:
0002
SHEET:

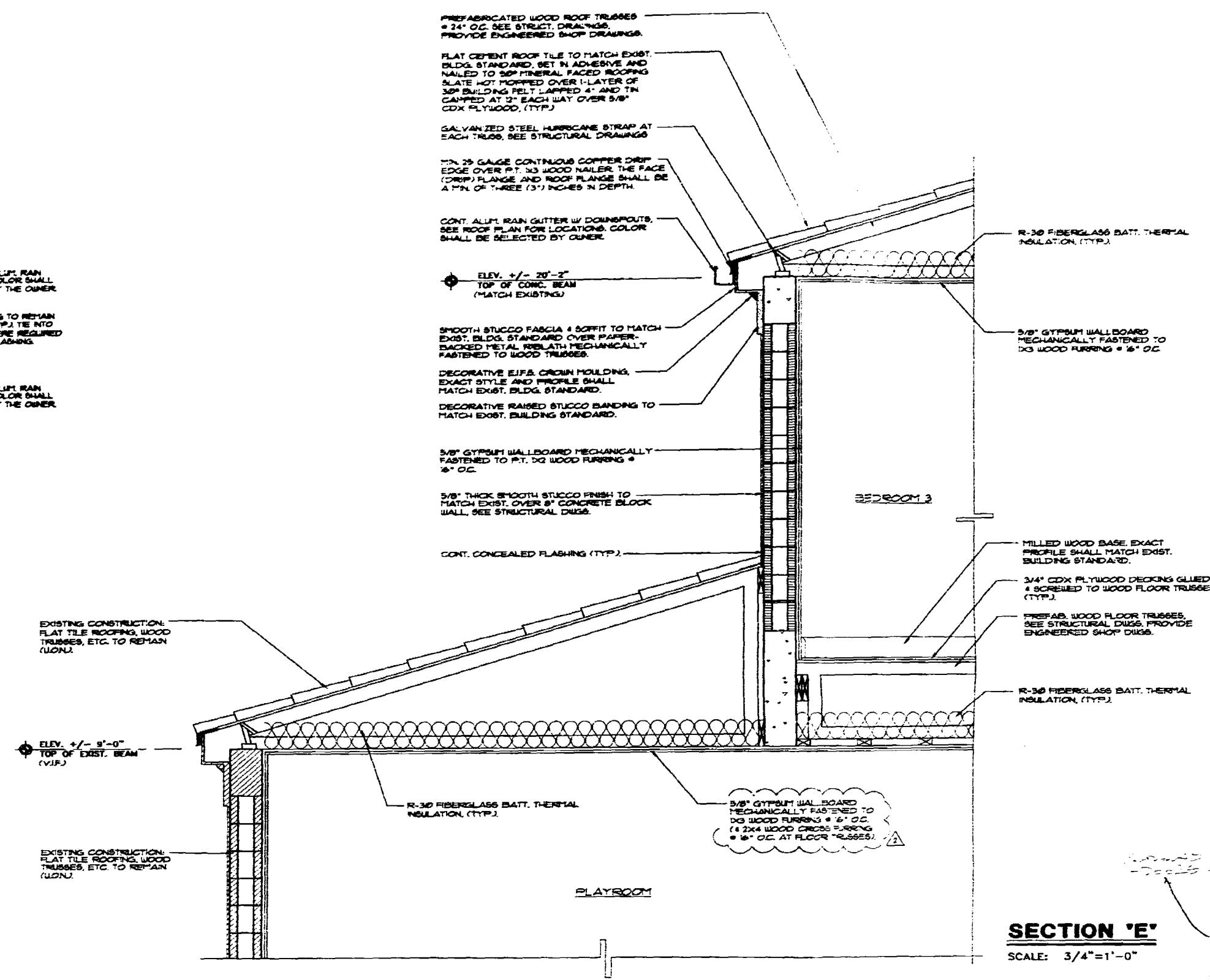
W-1
5

REVISIONS	No.
BUILDING DEPT. COMMENTS (10-18-00)	1
OWNER REQUEST REVISIONS (11-1-00)	2



ROOFING NOTE:
 1. CONTRACTOR SHALL VERIFY ALL SLOPES, THE INTENT OF THE NEW ROOF DESIGN IS TO MATCH THE EXIST. ROOF.
 2. ROOF TILE SHALL MATCH THE EXIST. STYLE AND COLOR. ROOF TILE MUST BE APPROVED BY THE OWNER AND ARCHITECT.

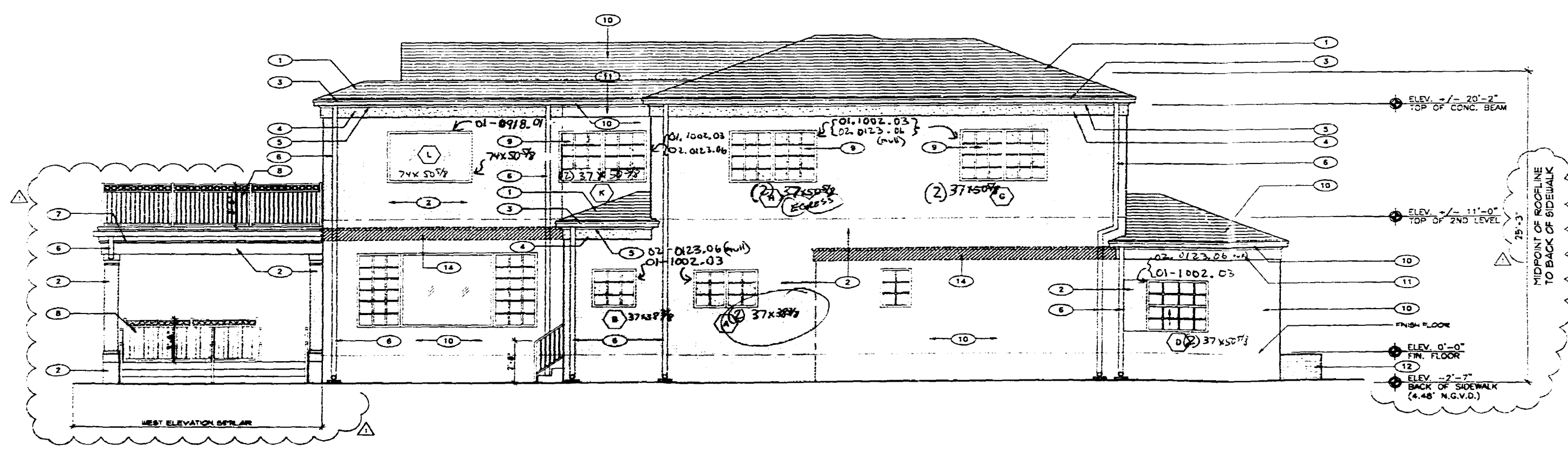
ROOF PLAN
 SCALE: 1/8"=1'-0"



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

- ELEVATION LEGEND:**
- NEW CEMENT FLAT ROOFING TILE SET IN ADHESIVE AND NAILED TO SPERMAL FIBER FACED ROOFING SLATE, HOT TORPED OVER ONE (1) LAYER OF 3/8" BUILDING FELT LAPPED 4" AND TN CAPPED AT 2" EACH WAY (TYP).
 - NEW SMOOTH STUCCO FINISH TO MATCH EXIST. BLDG. STANDARD (TYP).
 - NEW SMOOTH STUCCO FASCIA & COPPER Drip EDGE TO MATCH EXIST. BLDG. STANDARD (TYP). SEE WALL SECTIONS.
 - NEW DECORATIVE SMOOTH STUCCO BANDING TO MATCH EXIST. BLDG. STANDARD (TYP).
 - NEW DECORATIVE COATED STYROFOAM CORN HOLDING TO MATCH BLDG. STANDARD (TYP).
 - NEW CONTINUOUS ALUMINUM RAIN GUTTER & DOWNSPOUT IN A COLOR SELECTED BY THE OWNER. PROVIDE A PRECAST CONC. FLASH BLOCK.
 - NEW DECORATIVE COATED STYROFOAM CORNICE HOLDING (TYP). EXACT PROFILE SHALL BE SELECTED BY THE OWNER.
 - NEW DECORATIVE UPRIGHT NON RAILING TO 3'-6" AFF. (TYP). POCKETS SHALL BE 3" x 4" DIA. OBJECT.
 - NEW NEWLY FINISH OF EXIST. BRICK AND SHALL HAVE A CLEAR FINISH. OPENING OF NOT LESS THAN 3" x 3" (TYP). THE BOTTOM OF THE OPENING SHALL NOT BE CAPPED AT THE FINISH FLOOR.
 - EXISTING ROOFING TILE, FASCIA AND STUCCO FINISH TO REMAIN (TYP).
 - EXISTING STUCCO BANDING & CORN HOLDING TO REMAIN (TYP).
 - EXISTING BRICK PLASTER WALL TO REMAIN (TYP).
 - EXISTING STUCCO BANDING TO BE COMPLETELY REMOVED (TYP). PREPARE SURFACE AND APPLY NEW SMOOTH STUCCO FINISH TO MATCH EXISTING.
 - NEW PREFABRICATED FACTORY-PANDED STEEL SPINAL STAMP CASE W/ OIL RUBBERED TEAK HANDRAIL AT 34" HIGH TOP OF TEAK HANDRAIL POCKETS SHALL BE 3" x 4" DIA. OBJECT.

- EXTERIOR PAINTING NOTES:**
- ALL EXISTING AND NEW STUCCO FINISHES SHALL BE PREPARED AND FINISHED WITH TWO (2) COATS OF HIGH QUALITY EXTERIOR GRADE LATEX PAINT IN COLORS AND FINISHES SELECTED BY THE OWNER.
 - ALL EXISTING AND NEW DOORS, FRAMES, WOOD SHUTTERS AND WOOD TRIM SHALL BE PREPARED AND PAINTED WITH TWO (2) COATS OF HIGH QUALITY EXTERIOR GRADE OIL BASE PAINT IN COLORS AND FINISHES SELECTED BY THE OWNER.
 - ALL NEW CEDAR WOOD BEAMS, JOISTS, SLATS SHALL BE PREPARED AND SEALED WITH TWO (2) COATS OF THOMPSON'S WEATHER SEALANT.



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

COPY
 CITY OF MIAMI BEACH
 APPROVED FOR PERMIT BY THE FOLLOWING:
 BUILDING DEPT. ENGINEER: [Signature]
 PLUMBING: [Signature]
 ELECTRICAL: [Signature]
 MECHANICAL: [Signature]
 FIRE PREVENTION: [Signature]
 STRUCTURAL: [Signature]
 ACCESSIBILITY: [Signature]

ALTERATIONS & ADDITIONS FOR:
MR. & MRS. ARIEL FURST
 800 LAKE VIEW DRIVE
 MIAMI BEACH, FLORIDA

DRAWN	D.N.
CHECKED	R.P.
DATE	10-18-00
SCALE	AS NOTED
JOB NO.	0002
DATE	10-18-00
W-2	
OF	5 SHEETS

- NOTES:**
- NEW 8" CONC. BLOCK WITH 5/8" GYPSUM WALLBOARD ON 1/2" P.T. 1/2" FURRING @ 16" O.C. WITH R-4 INSULATION. PORTLAND BESS ARE TO BE FULL AND END JOINTS ARE TO BE FILLED. ALL PORTLAND JOINTS ARE TO BE STUCK WITH BLOK-GARD. ALL BLOCKS ARE TO BE Laid LEVEL, AND FINISH SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - EXIST. 8" CONC. BLOCK WITH INTERIOR PLASTER FINISH ON 1/2" P.T. 1/2" FURRING @ 16" O.C. CONTRACTOR SHALL PATCH AND REPAIR ANY DAMAGES TO THE PLASTER FINISH WITHIN THE AREAS OF ALTERATIONS AND ADDITIONS.
 - NEW 2x4 WOOD FRAMED PARTITION, STD SPACERS @ 16" O.C. BARE PLATE TO BE 3/4" P.T. SHEATHED BOTH SIDES WITH 5/8" GYPSUM WALLBOARD AND INSULATE W/ 3" VIBR. ATTENUATION BLANKETS.
 - EXIST. 2x4 WOOD FRAMED PARTITION TO REMAIN. CONTRACTOR SHALL PATCH AND REPAIR ANY DAMAGES TO THE PLASTER FINISH WITHIN THE AREAS OF ALTERATIONS AND ADDITIONS.

- NOTES:**
- ALL PARTITION FRAMING WITH P.T. 1/2" FURRING ON MASONRY WALLS.
 - ALL TRIM IN CONTACT WITH CONCRETE OR CONC. BLOCK SHALL BE P.T.
 - ALL GYPSUM WALLBOARD IN BATHROOMS SHALL BE 1/2" MOISTURE-RESISTANT, WHITE TILE BACKER BOARD WHERE WALL TILE IS SPECIFIED.
 - DRAWINGS REFLECT CABINETRY LAYOUT ONLY. CADMETRY TO BE FABRICATED AND INSTALLED BY OTHERS (NOT IN CONTRACT).
 - ALL PLUMBING FIXTURES AND APPLIANCES SHALL BE SUPPLIED BY THE OWNER AND INSTALLED BY THE GENERAL CONTRACTOR.
 - SAFE GUARDS, 42" HEIGHT AT LANDINGS AND STAIRS, 34" HEIGHT AT CORNERS. PICKETS SPACED TO RESIST A 4" SPHERE. REFER TO S.F.B.C. SECTION 943.3 AND 2305.3 FOR CONSTRUCTION REQUIREMENTS.
 - ALL EXTERIOR DOORS & WINDOWS SHALL HAVE CURRENT DADE CO. PRODUCT APPROVAL.
 - ALL INTERIOR GOOD BARE CASINGS AND TRIM SHALL BE FILLED TO MATCH EXISTING BUILDING STANDARD.

- INTERIOR PAINTING NOTES:**
- ALL EXISTING AND NEW INTERIOR WALLS AND CEILING SHALL BE PREPARED AND PAINTED WITH TWO (2) COATS OF HIGH QUALITY LATEX PAINT IN COLORS AND FINISHES SELECTED BY THE OWNER.
 - ALL EXISTING AND NEW INTERIOR WOOD TRIM, DOORS, CASING, BASEBOARD, ETC. SHALL BE PREPARED AND PAINTED WITH TWO (2) COATS OF HIGH QUALITY INTERIOR GRADE OIL BASE PAINT IN COLORS AND FINISHES SELECTED BY THE OWNER.

NEW ALUM. DOWNSPOUT IN A COLOR SELECTED BY OWNER. SEE ROOF PLAN FOR GUTTER LOCATIONS.

NEW INTERIOR PARTITION (TYP.) USE 2x4 WOOD STUDS @ 16" O.C. WITH 1/2" MOISTURE-RESISTANT BLANKETS. SHEATH EACH SIDE WITH 1" LAYER OF 5/8" GYPSUM WALLBOARD.

NEW 8" CONC. BLOCK WALL (TYP.) INSTALL WITH 1/2" WOOD FURRING @ 16" O.C. & SHEATH WITH 1" LAYER OF 5/8" GYPSUM WALLBOARD.

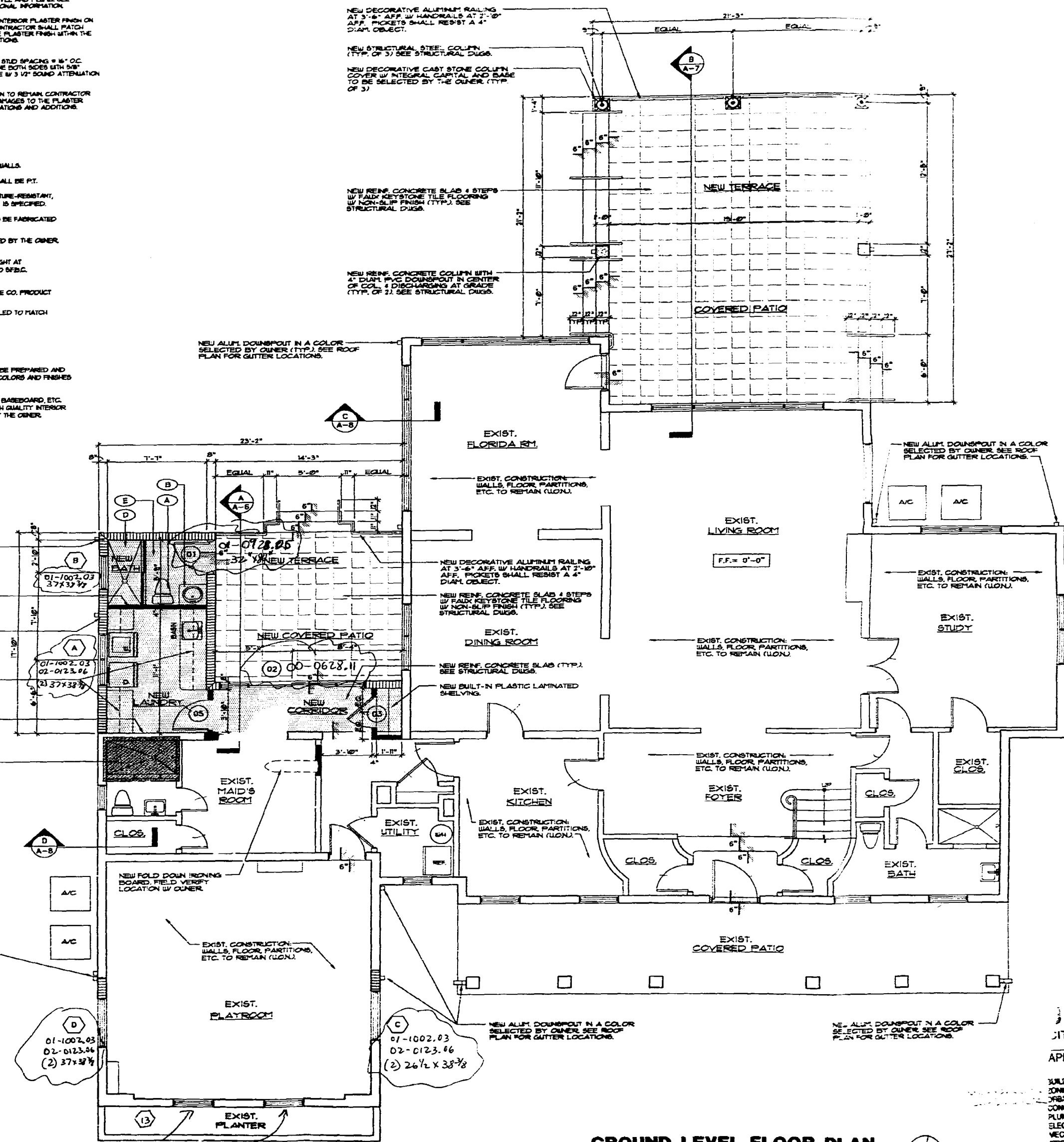
NEW BUILT-IN PLASTIC LAMINATED BASE & WALL MOUNTED CABINETRY BY OTHERS (N.G.).

EXIST. CONC. BLOCK WALL TO RECEIVE NEW 1/2" WOOD FURRING @ 16" O.C. & SHEATH WITH 1" LAYER OF 5/8" GYPSUM WALLBOARD (TYP.) AT NEW LAUNDRY & NEW CORRIDOR.

NEW WALL & FLOOR CERAMIC TILE FINISH. CURBOK TILE BACKER BOARD AND SHOWER PAN TO REPLACE EXISTING. EXACT CERAMIC TILE SHALL BE SELECTED BY THE OWNER.

NEW ALUM. DOWNSPOUT IN A COLOR SELECTED BY OWNER. SEE ROOF PLAN FOR GUTTER LOCATIONS.

- BATHROOM NOTES:**
- NEW 1" PICE FLUSH TANK WATER CLOSET W/ ELONGATED SEAT.
 - NEW WOOD LAMINATED VANITY, SOLID SURFACE COUNTERTOP AND BACKSPLASH W/ UNDERCOUNTER LAVATORY & SINK.
 - NEW CASE: REAL SHOWER BATHING BY PRESSURE BALANCE PRESSURE VALVE, TRIPPLE, & SHOWER HEAD PROVIDE A 1/2" PANE GLASS & ALUM. BACKER DOOR W/ CLEAR TRIP. GLASS & CHROME FRAME.
 - NEW SHOWER STALL, FRAME A 4" HIGH INT. CURB. INSTALL A RUBBERIZED FIBERGLASS BACKER PAN AND SHEATH CURB AND WALLS W/ 1" LAYER OF 1/2" CURBOK TILE BACKER BOARD FINISH BY TILE AS SELECTED BY OWNER. INSTALL A RECALL / SHOWER DIVIDER, SHOWER HEAD, AND PRESSURE BALANCE PRESSURE VALVE AS PROVIDED BY THE OWNER. PROVIDE A 1/2" PANE GLASS & ALUM. SHOWER DOOR W/ CLEAR TRIP. GLASS AND CHROME FRAME.
 - NEW CERAMIC TILE FLOORING WITH NON-SLIP FINISH (BY OTHERS - N.G.).



GROUND LEVEL FLOOR PLAN
SCALE: 1/4"=1'-0"

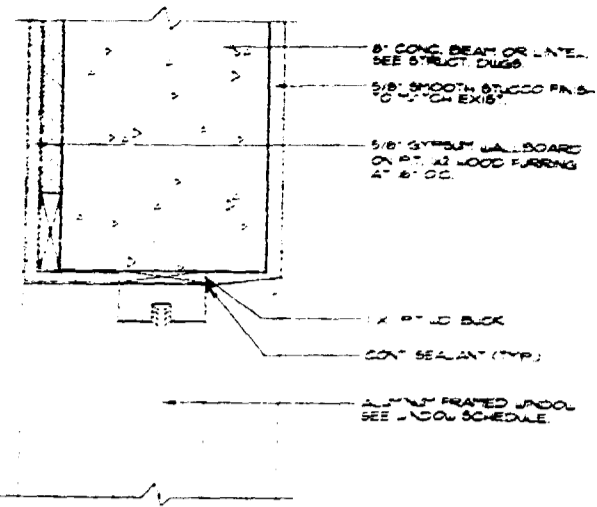
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:

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

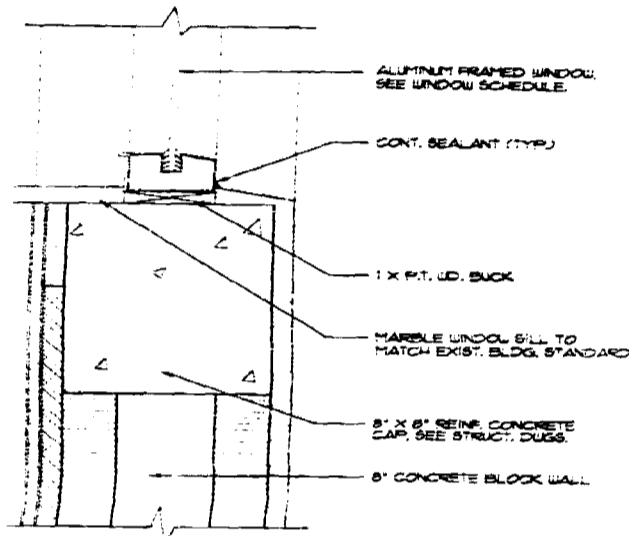
REVISIONS	No.

ALTERATIONS & ADDITIONS FOR
MR. & MRS. ARIEL FURST
800 LAKE VIEW DRIVE
MIAMI BEACH, FLORIDA

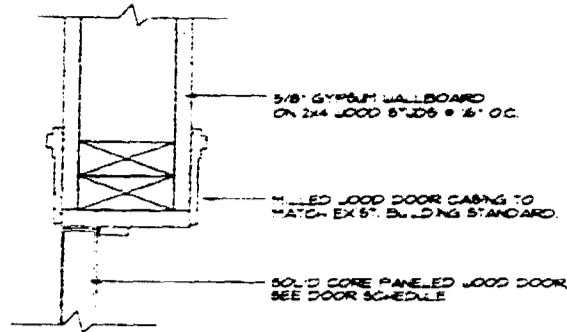
DRAWN	D.N.
CHECKED	R.P.
DATE	10-18-00
SCALE	AS NOTED
JOB NO.	0002
SHEET	5



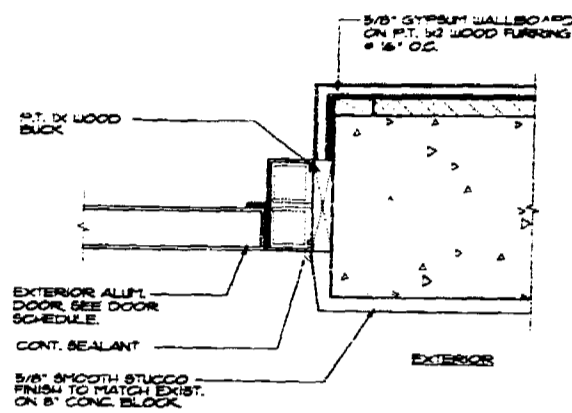
WINDOW HEAD/JAMB DETAIL
SCALE: 3" = 1'-0"



WINDOW SILL DETAIL
SCALE: 3" = 1'-0"



INT. DOOR JAMB DETAIL
SCALE: 3" = 1'-0"



ALUM. DOOR JAMB DETAIL
SCALE: 3" = 1'-0"

DOOR SCHEDULE									
MARK	SIZE (W x H x TH.)	TYPE	FRAME	DR. MATERIAL	THRESHOLD	HARDWARE	MANUF. / REMARKS	WIND PRESSURE	
1	2'-8" x 6'-8" x 1 3/4"	PANELED	ALUM.	ALUMINUM	ALUM.	LOCKSET / DEADBOLT	INSULATED DOOR	+48.0 / -64.0	
2	6'-0" x 6'-8" x 1 3/4"	SLIDING	ALUM.	GLASS/ALUM.	ALUM.	LOCKSET / DEADBOLT	DIVIDED LITES/SIDELITES	+48.0 / -51.0	
3	2'-8" x 6'-8" x 1 3/8"	PANELED	WOOD	SOLID CORE WD.	-	-	PASSAGE		
4	(2) 2'-4" x 6'-8" x 1 3/8"	FRENCH	WOOD	GLASS/WOOD	-	PRIVACY / PUSH-BOLT	DIVIDED LITES		
5	2'-8" x 6'-8" x 1 3/8"	PANELED	WOOD	SOLID CORE WD.	-	-	PASSAGE		
6	2'-4" x 6'-8" x 1 3/8"	LOUVERED	WOOD	SOLID CORE WD.	-	-	PASSAGE		
7	2'-4" x 6'-8" x 1 3/8"	PANELED	WOOD	SOLID CORE WD.	-	-	PASSAGE		
8	2'-8" x 6'-8" x 1 3/8"	PANELED	WOOD	SOLID CORE WD.	MARBLE	-	PRIVACY		
9	2'-8" x 6'-8" x 1 3/8"	PANELED	WOOD	SOLID CORE WD.	-	-	PRIVACY		
10	2'-8" x 6'-8" x 1 3/8"	PANELED	WOOD	SOLID CORE WD.	-	-	PRIVACY		
11	2'-8" x 6'-8" x 1 3/8"	PANELED	WOOD	SOLID CORE WD.	-	-	PASSAGE		
12	2'-8" x 6'-8" x 1 3/8"	PANELED	WOOD	SOLID CORE WD.	MARBLE	-	PRIVACY		
13	(2) 2'-4" x 6'-8" x 1 3/8"	PANELED	WOOD	SOLID CORE WD.	-	-	PASSAGE		
14	2'-8" x 6'-8" x 1 3/8"	PANELED	WOOD	SOLID CORE WD.	-	-	PASSAGE		
15	3'-0" x 6'-8" x 1 3/4"	FRENCH	ALUM.	GLASS/ALUM.	ALUM.	LOCKSET / DEADBOLT	DIVIDED LITES	+48.0 / -64.0	
16	2'-4" x 6'-8" x 1 3/8"	PANELED	WOOD	SOLID CORE WD.	-	-	PASSAGE		

01-0129.21
00-0628.11

01-1109-03

- NOTES:**
1. ALL FRAMES SHALL BE SEALED WITH CONTINUOUS EXTERIOR CAULKING TO FRAMING BUCKS & MASONRY OPENING.
 2. PROVIDE CURRENT DADE COUNTY PRODUCT APPROVALS FOR ALL EXTERIOR DOORS.
 3. ALL PANELED WOOD DOOR SILL SHALL MATCH EXIST. BUILDING STANDARD.
 4. ALL EXTERIOR DOORS SPECIFIED SHALL BE INSTALLED UNDER SEPARATE PERMIT.
 5. ALL GLASS FOR DOORS, TRANSOMS, & SIDELITES SHALL BE IMPACT RESISTANT, LAMINATED GLASS.
 6. ALL DOOR HARDWARE SHALL BE SELECTED BY THE OWNER (ALLOWANCE: \$20-/DOOR)
 7. CONTRACTOR SHALL FIELD VERIFY ROUGH OPENING SIZES PRIOR TO ORDERING.
 8. ALL DOORS SHALL RECEIVE PAINT GRADE, MILED WOOD CASING TO MATCH EXIST. BUILDING STANDARD.
 9. MATCH EXISTING FRENCH DOOR MUNTIN PATTERN. APPLIED MUNTINS MUST BE ON BOTH SIDES OF GLASS.

WINDOW SCHEDULE										
MARK	CODE	SIZE (WxH)	TYPE	FRAME MATERIAL	FRAME FINISH	GLAZING	SILL	TINT	MANUF. / REMARKS	WIND PRESSURE
A	33	37" x 58 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
B	23	37" x 58 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -70.0
C	34	53 18"x50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
D	34	53 18"x50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
E	24	37" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
F	24	37" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
G	2-24	74" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORP./EGRESS	+51.0 / -54.3
H	2-24	74" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORP./EGRESS	+51.0 / -54.3
I	24	37" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -70.0
J	24	37" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
K	2-24	74" x 50 5/8"	CASEMENT	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORP./EGRESS	+51.0 / -54.3
L	CUSTOM	74" x 50 5/8"	FIXED	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3
M	(2) 1/2-34	53 1/8"x50 5/8"	CASEMENT/ FIXED	ALUMINUM	WHITE E.S.P.	LAMINATED IMPACT	MARBLE	GREY	CGI CORPORATION	+51.0 / -54.3

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02-012-3.06
01-1002-03
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01.1002.03
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01-092.01
01-0918.01
01-1002.03

- NOTES:**
1. ALL WINDOW FRAMES SHALL BE SEALED WITH CONTINUOUS EXTERIOR SEALANT TO FRAMING BUCKS & MASONRY OPENING.
 2. PROVIDE CURRENT DADE COUNTY PRODUCT APPROVALS FOR ALL WINDOWS SCHEDULED.
 3. SECOND MEANS OF EGRESS SHALL COMPLY WITH NFPA 101-22-212 AND SHALL HAVE A CLEAR WIND OPENING OF NOT LESS THAN 5.7 SQ. FT. (MIN. 20"W x 24"H). THE BOTTOM OF THE WINDOW OPENING SHALL NOT BE MORE THAN 44" FROM THE FIN. FLOOR.
 4. ALL WINDOWS SPECIFIED SHALL BE IMPACT RESISTANT, LAMINATED GLASS.
 5. ALL WINDOWS SPECIFIED SHALL BE INSTALLED UNDER SEPARATE PERMIT.
 6. ALL WINDOWS SHALL RECEIVE APPLIED MUTTON ON BOTH SIDES OF GLASS TO MATCH EXIST. BLDG. STANDARD.
 7. CONTRACTOR SHALL FIELD VERIFY ROUGH OPENING SIZES PRIOR TO ORDERING.
 8. MATCH EXISTING WINDOW MUNTIN PATTERN. APPLIED MUNTINS MUST BE ON BOTH SIDES OF GLASS.

COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
BUILDING OFFICER: _____
CONCURRENCY: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
ENGINEERING: _____
PUBLIC WORKS: _____
ACCESSIBILITY: _____
ELEVATOR: _____

REVISIONS	No.
BUILDING DEPT. CHECKED (10-13-00)	1
OWNER REQUEST REVISION (11-1-00)	2

ALTERATIONS & ADDITIONS FOR:
MR. & MRS. ARIEL FURST
800 LAKE VIEW DRIVE
MIAMI BEACH, FLORIDA

DRAWN: D.N.
CHECKED: R.P.
DATE: 10-18-00
SCALE: AS NOTED
JOB NO.: 0002
SHEET: W-5
OF 5 SHEETS

B0803314

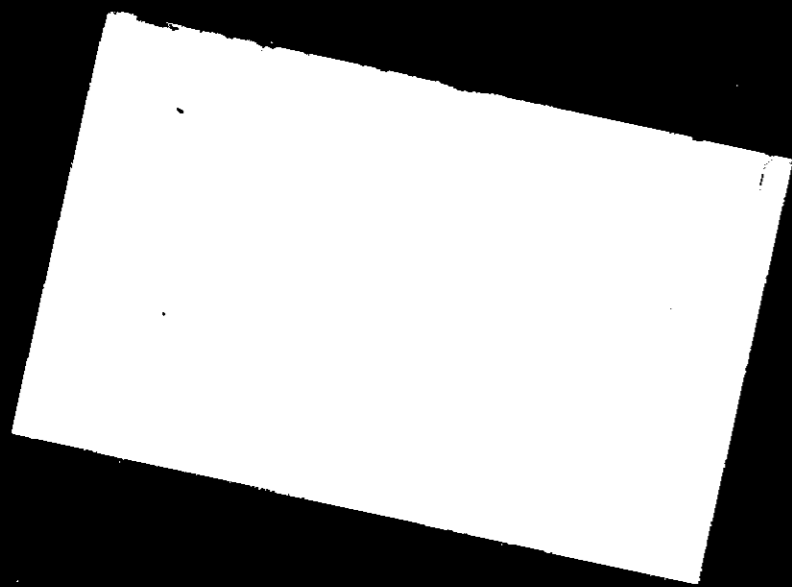
800 LAKEVIEW DR

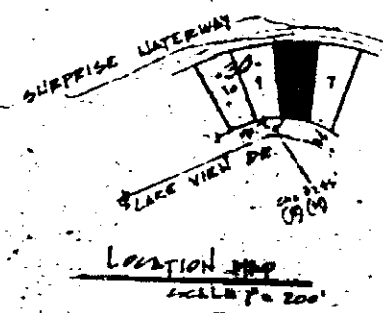
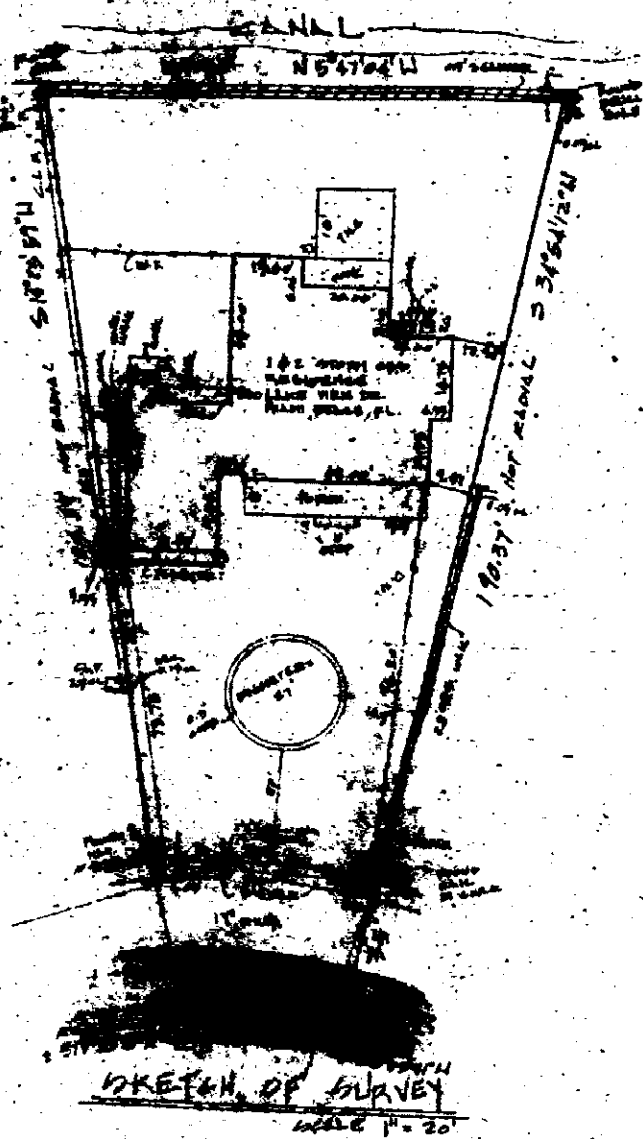
NEXT
Professional Microfilm Services, Inc.
Miami, Florida
FILE

THIS IS TO CERTIFY THAT PROFESSIONAL MICROFILM SERVICE, INC. PRESENTS THE FOLLOWING IMAGES AS AN ACCURATE AND COMPLETE MICROFILM COPY OF THE ORIGINAL BUSINESS FILES AS EDITED BY THE INSTITUTION INSTRUCTIONS.

PERMIT
B 75-1377

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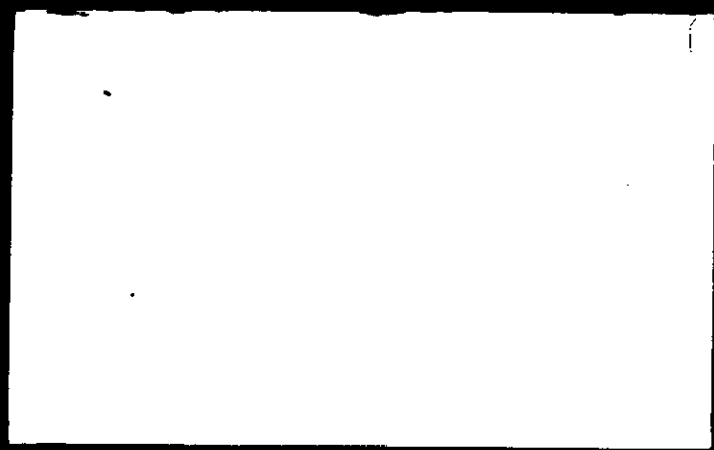


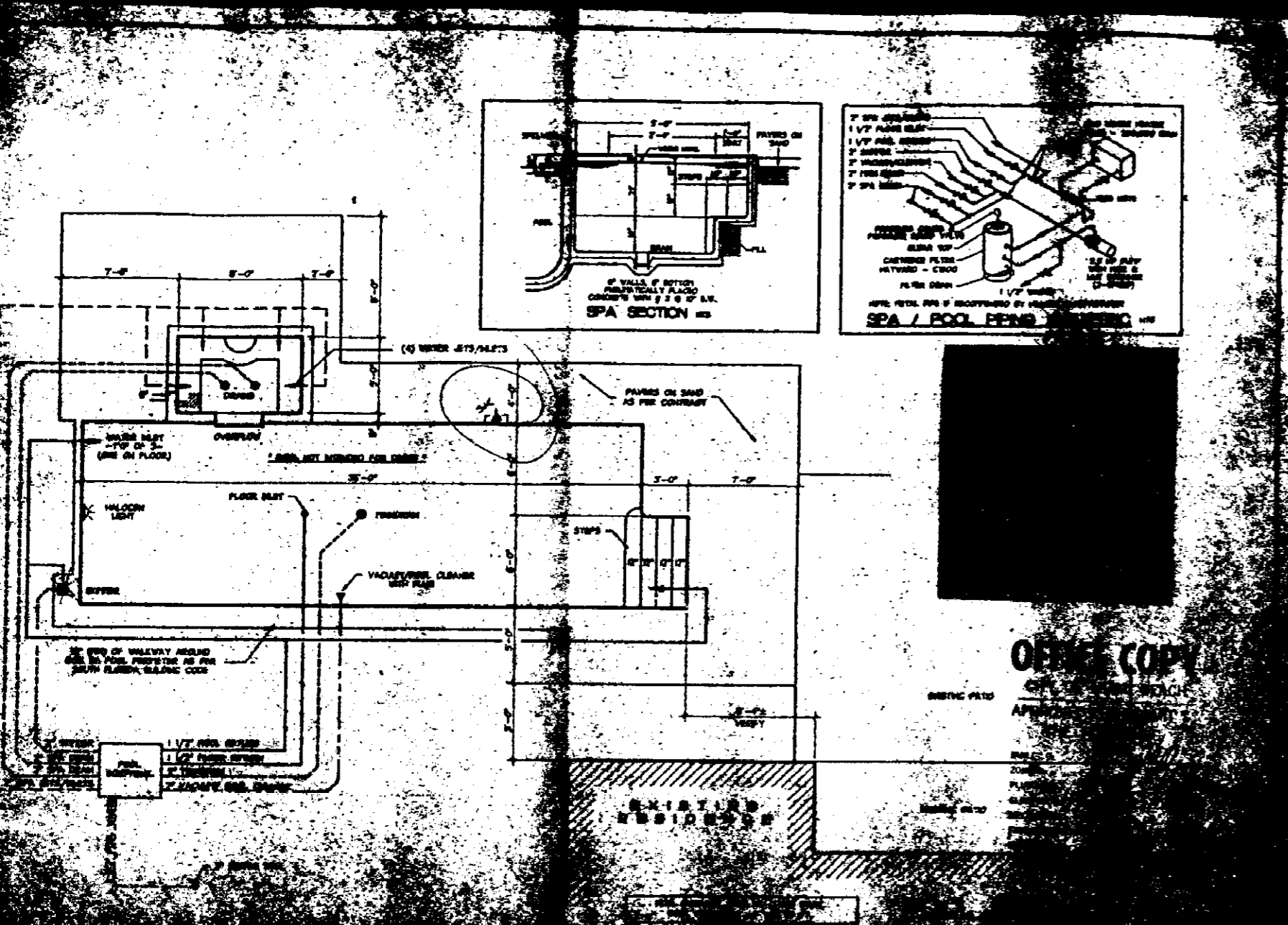


OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY

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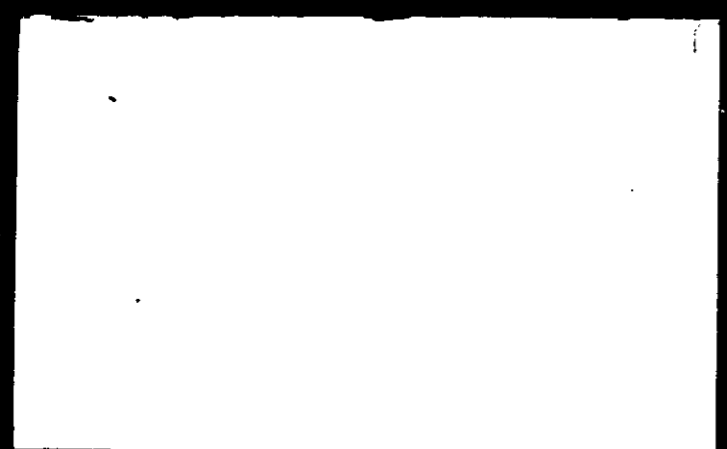
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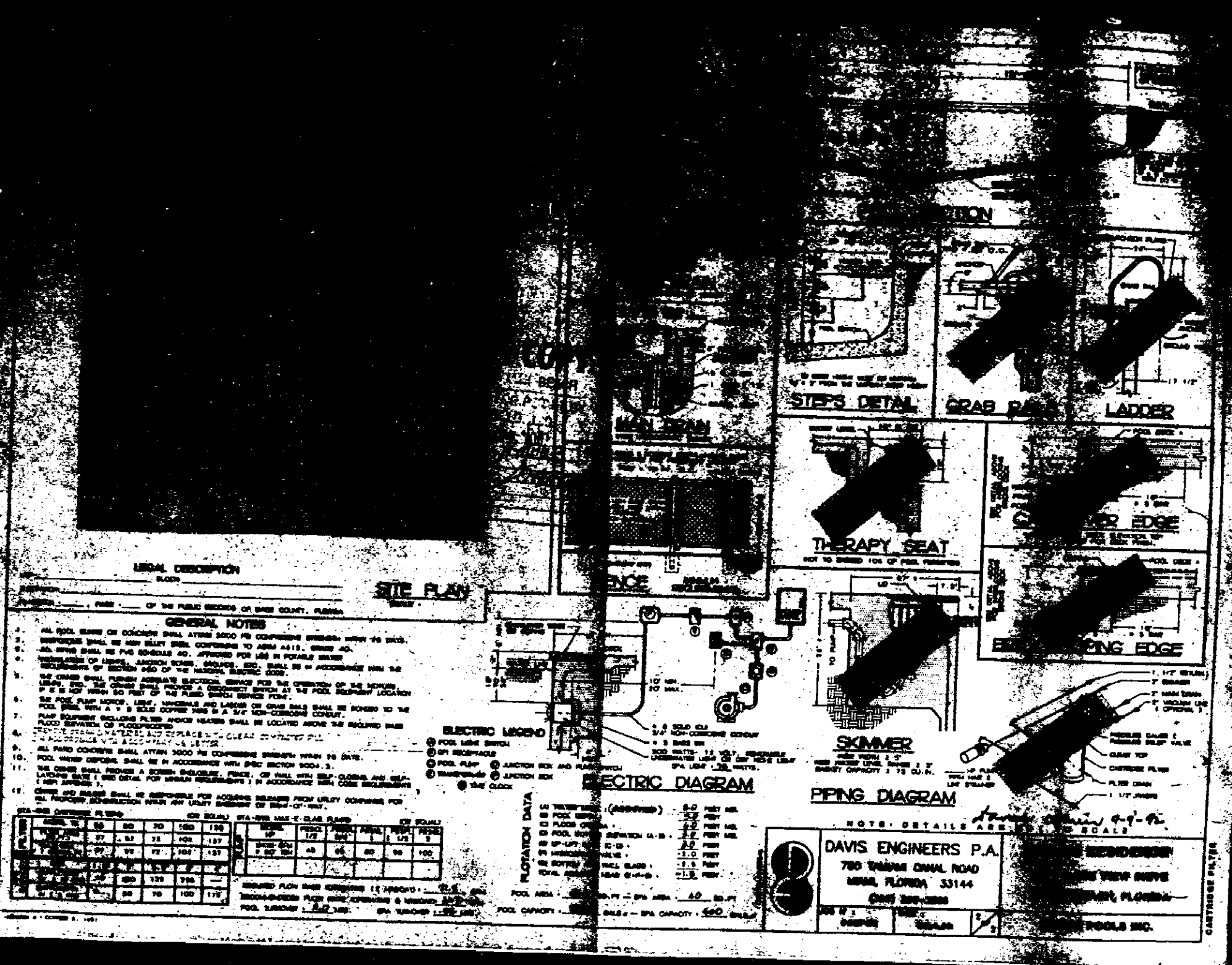




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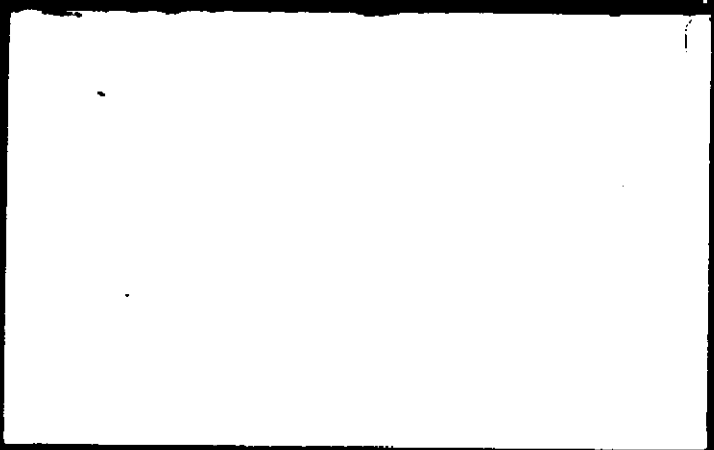
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** CONDITIONS OF PERMIT/APPROVAL ** DATE 08/17/92
 PAGE 1

NO. 8523278 TYPE BUILD
 LOCATION 828 LAKEVIEW DR

ENGINEERING PLANS REVIEW

LEGAL ADDRESS:
 828 LAKEVIEW DR
 PLAN DESCRIPTION:
 15000 G/L SWIMMING POOL

SANITARY SEWER:
 To provide adequate facilities.
 To use existing facilities.

WATER:
 To use existing facilities.

DRAINAGE:
 - Slope yards to be sloped so as to not shed water to
 neighboring properties.
 - Swimming pool waste water must discharge to driven drainage
 well. To be located on private property.
 - All drainage to be contained within property.
 - GRADES/ELEVATIONS:
 - Not applicable

** CONDITIONS OF PERMIT/APPROVAL ** DATE 08/17/92
 PAGE 2

Permit No. 8523278 TYPE BUILD
 LOCATION 828 LAKEVIEW DR

ENTS - ENCROACHMENTS/EXEMPTIONS
 ENTS - None
 ENCS - PUBLIC SERVICE DEPARTMENT STREETS PERMIT REQUIRED FOR WORK
 DONE ON CITY PROPERTY.
 ENCS - Bonds required in 500 \$
 ENCS - Subject to approval of proper governmental agencies

ENTS -
 SIGNATURE _____ COMPANY _____
 PHONE _____ DATE _____

DAVIS ENGINEERS, P.A.
 76 TAMMAM CANAL ROAD - MIAMI, FLORIDA 33146
 760-366-0200

August 13, 1991

Chief Building Inspector
 Miami Beach Building and Zoning Department
 555 Southwinds Street
 Miami Beach, Florida 33139

Re: 15000 G/L SWIMMING POOL

Contractor: Esig Pools and Spa
 Owner: James J. Esig
 Address: 15000 Lakeview Drive
 Testing Laboratory: Atlantic Engineering & Testing, Inc.
 Report Number: 10073
 Report Date: June 28, 1991

Dear Sir:
 I have reviewed the test report for the swimming pool to be built at the subject
 location. The report indicates that the pool is to be built to a depth of eight feet below
 the surface. The remaining eight feet of the pool is to be a depth of eight feet below
 the surface. I recommend the removal of the organic material, replacement with
 clean, washed gravel and sand, and connection with the main drain to achieve
 the 95% compaction of the organic debris is acceptable with the ASTM D-150-C.
 When the walls are prepared to this manner, they will provide adequate support
 for the pool as designed.

Sincerely,
 Daniel Davis, P.E.
 DAVIS ENGINEERS, P.A.
 DD/ed
 cc: Esig Pools and Spa

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FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM

O.M.B. No. 3067-0077
Expires December 31, 2005

ORDER# 4-03-58A
PROCESS#
FOLIO#
C.O.R. 4.04

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1 - 7.

SECTION A - PROPERTY OWNER INFORMATION		For Insurance Company Use:
BUILDING OWNER'S NAME Arile Furst and Liliam Furst		Policy Number
BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO. 800 Lake View Drive		Company NAIC Number
CITY Miami Beach	STATE FL	ZIP CODE
PROPERTY DESCRIPTION (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 8, Block 30, Lake View Subdivision, Pb 14, Pg 42		
BUILDING USE (e.g., Residential, Non-residential, Addition, Accessory, etc. Use a Comments area, if necessary.) Residential		
LATITUDE/LONGITUDE (OPTIONAL) (##-##-### or ##.####)	HORIZONTAL DATUM: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983	SOURCE: <input type="checkbox"/> GPS (Type): <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Other

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP COMMUNITY NAME & COMMUNITY NUMBER 120651 Miami Beach		B2. COUNTY NAME Miami-Dade		B3. STATE FL	
B4. MAP AND PANEL NUMBER 12025C 0182	B5. SUFFIX J	B6. FIRM INDEX DATE 7-17-95	B7. FIRM PANEL EFFECTIVE/REVISED DATE 3-2-94	B8. FLOOD ZONE(S) AE	B9. BASE FLOOD ELEVATION(S) (Zone AO, use depth of flooding) 8

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in B9.
 FIS Profile FIRM Community Determined Other (Describe):

B11. Indicate the elevation datum used for the BFE in B9: NGVD 1929 NAVD 1988 Other (Describe):

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Yes No
Designation Date:

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Building Diagram Number 1 (Select the building diagram most similar to the building for which this certificate is being completed - see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

C3. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO
Complete Items C3.a-i below according to the building diagram specified in Item C2. State the datum used. If the datum is different from the datum used for the BFE in Section B, convert the datum to that used for the BFE. Show field measurements and datum conversion calculation. Use the space provided or the Comments area of Section D or Section G, as appropriate, to document the datum conversion.
Datum NGVD 1929 Conversion/Comments

Elevation reference mark used Miami Dade BM Does the elevation reference mark used appear on the FIRM? Yes No

<input type="checkbox"/> a) Top of bottom floor (including basement or enclosure)	<u>6.55</u> ft.(m)
<input type="checkbox"/> b) Top of next higher floor	<u>6.85, 7.40</u> ft.(m)
<input type="checkbox"/> c) Bottom of lowest horizontal structural member (V zones only)	<u>n/a</u> ft.(m)
<input type="checkbox"/> d) Attached garage (top of slab)	<u>n/a</u> ft.(m)
<input type="checkbox"/> e) Lowest elevation of machinery and/or equipment servicing the building (Describe in a Comments area.)	<u>5.25</u> ft.(m)
<input type="checkbox"/> f) Lowest adjacent (finished) grade (LAG)	<u>4.8</u> ft.(m)
<input type="checkbox"/> g) Highest adjacent (finished) grade (HAG)	<u>5.0</u> ft.(m)
<input type="checkbox"/> h) No. of permanent openings (flood vents) within 1 ft. above adjacent grade	<u>n/a</u>
<input type="checkbox"/> i) Total area of all permanent openings (flood vents) in C3.h	<u>n/a</u> sq. in. (sq. cm)

License Number, Embossed Seal, Signature, and Date

PLS# 2852

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information.
I certify that the information in Sections A, B, and C on this certificate represents my best efforts to interpret the data available.
I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

CERTIFIER'S NAME JOSE A. PEREZ	LICENSE NUMBER 2852
TITLE LAND SURVEYOR	COMPANY NAME CONTINENTAL LAND SURVEYORS, INC.
ADDRESS 1700 SW 57th AVE. SUITE 201	CITY MIAMI
SIGNATURE	STATE FL
	ZIP CODE 33155
	TELEPHONE 305-262-1925
	DATE 4-17-03

IMPORTANT: In these spaces, copy the corresponding information from Section A.			For Insurance Company Use:
BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO.			Policy Number
CITY	STATE	ZIP CODE	Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

COMMENTS

| | Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zone AO and Zone A (without BFE), complete Items E1. through E5. If the Elevation Certificate is intended for use as supporting information for a LOMA or LOMR-F, Section C must be completed.

- E1. Building Diagram Number _____ (Select the building diagram most similar to the building for which this certificate is being completed - see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)
- E2. The top of the bottom floor (including basement or enclosure) of the building is _____ ft. (m) _____ in. (cm) _____ above or _____ below (check one) the highest adjacent grade. (Use natural grade, if available.)
- E3. For Building Diagrams 6-8 with openings (see page 7), the next higher floor or elevated floor (elevation b) of the building is _____ ft. (m) _____ in. (cm) above the highest adjacent grade. Complete Items C3.h and C3.i on front of form.
- E4. The top of the platform of machinery and/or equipment servicing the building is _____ ft. (m) _____ in. (cm) _____ above or _____ below (check one) the highest adjacent grade. (Use natural grade, if available.)
- E5. For Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, C (Items C3.h and C3.i only), and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. *The statements in Sections A, B, C, and E are correct to the best of my knowledge.*

PROPERTY OWNER'S OR OWNER'S AUTHORIZED REPRESENTATIVE'S NAME

ADDRESS CITY STATE ZIP CODE

SIGNATURE DATE TELEPHONE

COMMENTS

| | Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below.

- G1. The information in Section C was taken from other documentation that has been signed and embossed by a licensed surveyor, engineer, or architect who is authorized by state or local law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. PERMIT NUMBER	G5. DATE PERMIT ISSUED	G6. DATE CERTIFICATE OF COMPLIANCE/OCCUPANCY ISSUED
-------------------	------------------------	-----------------------------------------------------

G7. This permit has been issued for: New Construction Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building is: _____ . _____ ft. (m) Datum: _____

G9. BFE or (in Zone AO) depth of flooding at the building site is: _____ : _____ ft. (m) Datum: _____

LOCAL OFFICIAL'S NAME TITLE

COMMUNITY NAME TELEPHONE

SIGNATURE DATE

COMMENTS

| | Check here if attachments