PERMIT #

B0100780

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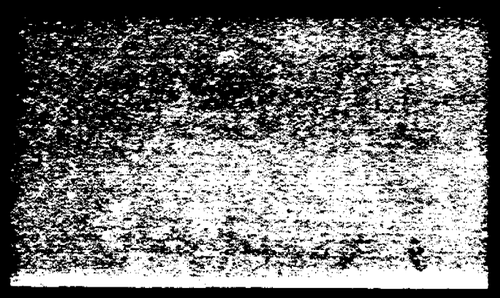

TL

Architecture & Interior Design
FL License # AA-2884
260 95th Street, Suite 203, Surfside, FL 33154

01/09/01

City of Miami Beach
Fire Department
2300 Pine Tree Drive
Miami Beach, FL 33140

RE: "Bait", 323 23rd Street, Miami Beach, FL 33139

LETTER OF UNDERSTANDING

As a meeting on 01/09/01 at the office of The City of Miami Beach Building Director with the Director Mr. Philip Aaron, Chief Building Inspector Richard McCoumbie and Thomas Telesco present it was decided that the rear patio acceptance would be held to 50 persons due to a lack of an acceptable secondary means of egress from patio area.

Philip Aaron, Building Director

Thomas Telesco, Project Architect

Tel 305 866-1014 Fax 305 866-3317

MIAMI-DADE COUNTY, FLORIDA
METRO DADE FLAGLER BUILDING
BUILDING CODE COMPLIANCE OFFICE
METRO DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1600
MIAMI, FLORIDA 33130-1562
(305) 375-2901 FAX (305) 375-2908
CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558
CONTRACTOR ENFORCEMENT SECTION
(305) 375-2946 FAX (305) 375-2968
PRODUCT CONTROL DIVISION
(305) 375-2782 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Brunswick Door Company
400 South Country Boulevard
Deerfield Beach FL 33442

Your application for Product Approval of:
18ga Flush Outswing Commercial Steel Door - 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 approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, 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.: 99-0816.01
Expires: 08/15/2002

Raul Rodriguez
Chief Product Control Division

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

BUILDING CODE & PRODUCT REVIEW COMMITTEE

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

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

Approved: 09/23/1999

1 of 3

Brunswick Door Co.

ACCEPTANCE No.: 99-0816.01
APPROVED: SEP 23 1999
EXPIRES: Aug. 15, 2002

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE
1.1 This renews the Notice of Acceptance, No. 95-1212.01, which was issued on August 15, 1996. It approves an 18 ga. min. commercial steel door, 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 18 ga. Flush Outswing Commercial Steel Door – Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No. 107-99, titled "18 ga. Flush Steel Door," prepared by EngCo, Inc., dated August 20, 1999, Sheets 1 thru 4 of 4, signed and sealed by Pedro De Figueiredo, 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 the approved drawings.

4. INSTALLATION
4.1 The 18 ga. min. commercial steel door and its components shall be installed in strict compliance with the approved drawings.
4.2 The installation of this product will not require a hurricane protection system.

5. LABELING
5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement, "Miami-Dade County Product Control Approved".
5.2 The door slab itself shall also bear a permanent label, at the door inside edge, with the manufacturer's name or logo, city and state.

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

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

2 of 3

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METROPOLITAN DADE COUNTY, FLORIDA
METRO DADE FLAGLER BUILDING
BUILDING CODE COMPLIANCE OFFICE
SUITE 1032
METRO DADE FLAGLER BUILDING
140 WEST FLAGLER STREET
MIAMI, FLORIDA 33130-1563
(305) 375-2901
FAX (305) 375-2908
INTERNET address@dadecounty.net

PRODUCT CONTROL SECTION
(305) 375-2907
FAX (305) 372-6839

ODUCT CONTROL NOTICE OF ACCEPTANCE

nwick Door Company
South Cowboy Boulevard
field Beach FL 33442

application for Product Approval of
t, Flush Out-Swing Commercial Steel Door - Impact
Chapter 8 of the Metropolitan Dade County Code governing the use of Alternate Materials and
s of Construction, and complying with the plans, specifications and calculations as submitted by

licant. *(For listing, see Section E of this Notice of Acceptance).*

approval shall not be valid after the expiration date stated below. The Office of Code Compliance
rves the right to secure this product or material at anytime from a jobsite or manufacturer's plant for
ity control testing. If this product or material fails to perform as the approved material, the Code
pliance Office may revoke, modify, or suspend the use of such product or material immediately. The
licant shall re-evaluate this product or material should new amendments to the South Florida Building
e be enacted affecting this product or material. The Building Code Compliance Office reserves the
right to revoke this approval, if it is determined by the Building Code Compliance Office that this
duct or material fails to meet the requirements of the South Florida Building Code. The expense of
h testing will be incurred by the manufacturer.

eptance No.: 95-1212.01
Expires: 08/15/99

Raul Rodriguez
Product Control Supervisor

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

BUILDING CODE COMMITTEE

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

Director
Building Code Compliance Dept.
Metropolitan Dade County

pproved: 08/15/96

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Symmetrich Door Company

ACCEPTANCE No.: 95-1212.01
APPROVED : SEP 23 1999
EXPIRES : Aug. 15, 1999

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 not 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. Renewal 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 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 new product, for sales, advertising or any other purposes.

6. The Notice of Acceptance number generated 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 shall not record the copies.

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

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

END OF THIS ACCEPTANCE

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

3 of 3

Symmetrich Door Company

ACCEPTANCE No.: 95-1212.01
APPROVED : AUG 15 1996
EXPIRES : AUG 15 1999

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. DESCRIPTION OF UNIT

1.1 This approves an 18 ga. min. commercial steel door systems designed to comply with the South Florida Building Code, 1994 Edition for Dade County, for the locations where the pressure requirements, as determined by ASCE 7-88 "Minimum Design Loads for Building and Other Structures", do not exceed the Design Pressure Rating values in Section 7 and within the limitations contained on Section 3.
1.2 Model Designation: 18 ga. Flush Out-Swing Commercial Steel Door - Impact
1.3 Overall Size: 3' 4-1/8" wide x 7' 1-1/2" high x 5-7/8" deep nominal
1.4 Configuration: X
1.5 No. & Size of Panels: One, 36" wide by 84" high x 1-3/4" thick.

2. MATERIAL CHARACTERISTICS

2.1 Frame & Door Material: Cold Rolled Steel, commercial quality with a minimum yield stress of 44.0 ksi. Frame: 18 ga. min., Door: 18 ga. min.

2.2 Glazing: None
2.3 Door Leaf Construction:
   2.3.1 Door thickness: The door leaf is 1-3/4" thick.
   2.3.2 Face sheets: Flush or embossed, 18 gauge (0.051") commercial quality cold rolled steel conforming to ASTM A366, with a minimum yield strength of Fy = 44,000 psi. Galvanizing is an A30 coil coat galvanized finish meeting ASTM A525 and A526. Face sheets are bonded to core.
   2.3.3 Core Design:
      2.3.3.1 Honeycomb reinforced: Phenolic resin impregnated kraft paper 1" cell full honeycomb core permanently bonded to the inside of each face sheet with non-flammable adhesive *Sonlvet Inc.*, Series S-9540.
      2.3.3.2 Vertical steel stiffened core: Optional stiffeners made of 18 gauge "C" channel which extend the full length of the vertical edges may be incorporated with the honeycomb core.
   2.3.4 Construction: Full flush design construction. Door skins are mechanically interlocked vertically along the hinge and lock edge of door. Top and bottom edges of door are capped with "U" shape 18 gauge channels.
   2.3.5 Vertical edges: Mechanically interlocked vertical edges shall be welded at 6" o.c. along the full height of the stile and joint shall be filled with transparent epoxy (cold weld). Door hinge edge is mortised, reinforced, drilled and tapped to receive 1-1/2 pairs of 4-1/2" x 4" standard weight template hinges. Door lock edge is mortised, reinforced, drilled & tapped to receive a cylindrical lock.
   2.3.6 Top and bottom edges: Top and bottom of door shall have roll formed steel closure channels 1 0" x 1 65/6" x .75" x 16 ga. spot welded to face sheets at 4 5" o.c.
   2.3.7 Reinforcements: Door closure reinforcement is 1.6" x 4" x 18 gauge tube which extends from hinge edge to midspan. Hinge reinforcements shall be made of 10 gauge steel, tapped for four #12-24 machine screws, total of three, approx. 1-1/4" wide x 14" long. Lock reinforcement shall be made of 20 and 18 gauge steel, tapped for two #8 32 machine screws.
   2.3.8 Finish: All doors shall have an A40 coil coat galvanized finish.

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

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Brunswick Door Company

ACCEPTANCE No.: 95-1212.01
APPROVED : AUG 15 1996
EXPIRES : AUG 15 1999

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

Frame Construction:

2.4.1 **Type:** The frame jambs and head are of a double rabbet profile, 2" face, min 1/2" returns and minimum depth of 5-7/8".

2.4.2 **Material:** 18 gauge (0.051") galvanized quality cold rolled steel conforming to ASTM A366, with a minimum yield strength of F_y = 44,000 psi. Galvanizing is an A-60 coating conforming to ASTM A653 finish meeting ASTM A525 and A526.

2.4.3 **Construction:** Mitered corners, arc welded 45° corner joints, grinded face & finished smooth.

2.4.4 **Reinforcements:** Hinge reinforcements shall be made of 10 gauge steel, tapped for four #12-24 machine screws, total of three, approx 1-1/4" wide x 14" long. Lock reinforcements consist of a 16 gauge cover box 1" deep punched and tapped for two #12-24 machine screws at deadbolt location and an18 gauge cover box tapped for two #12-24 machine screws at strike location.

2.4.5 **Anchors:** None

2.4.6 **Threshold:** Pemko #270SAS - extruded aluminum bumper threshold, 3/4" high x 3.5" wide with a Silicone/Seal™ insert.

2.5 **Weatherstrip:**

	Qty.	Description:	Location.
2.5.1	single	1/2" bulb vinyl	Around the inside perimeter of the frame.
2.5.2	single	1/2" bulb vinyl	Around the inside perimeter of the door.
2.5.3	single	1" high flat vinyl	Along inside bottom of door

2.6 **Hardware:**

	Qty.	Description:	Location.
2.6.1	Three	*FBB, Inc.* Part # FBB1 Steel Full Mortise Template Hinges, Plain Bearing - Standard Weight 4-1/2" x 4-1/2", US 26D finish	Each one centered at 9-5/8" from top and bottom of door and one at midspan of hinge rail of door stab and frame hinge jamb.
2.6.2	One	*PDQ Industries* SK Series "Competitor" Grade 2 Std Duty Lever Lockset SK 126 x 2-3/4"x ASA strike, US 26D finish 2.7	At lock rail of door stab, 39-9/16" from door bottom
2.6.3	One	*PDQ Industries* "ASA" Steel strike plate, 1-1/4" x 4-7/8" x 3/32"	At frame lock jamb, 39-9/16" from door bottom.
2.6.4	One	*PDQ Industries* KV Series Std Duty Deadbolt KV 116 x 2-3/4" and strike, US 26D finish	At lock rail of door stab, 47-9/16" from door bottom

2.7 **Sealant:** Silicone is applied in the lower right inside corner joining the two strips of 1/2" bulb vinyl of Section 2.5.

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

APPROVED : AUG 15 1996
EXPIRES : AUG 15 1999

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

3. **LIMITATIONS**

3.1 This approval applies to single door unit applications only, as shown in Section 10.

3.2 Units with dimensions equal to or smaller than those shown in Section 1.3 shall qualify under this approval.

3.3 Installation is limited by the Design Pressure Rating shown in Section 7 of this approval.

3.4 This door system does not comply with the means of egress requirements

4. INSTALLATION

4.1 **Method of Attachment**

4.1.1 **Head:** None.

4.1.2 **Jambs:** The one piece frame was anchored to the wood jamb on each side with three 3/8" x 5" Flat Head Lag Screws at 32" o.c.

4.1.3 **Sill:** Three #8 x 2" wood screws countersunk.

4.2 Attachments of sub-buckets shall be designed by the Architect or Engineer of Records and must be in compliance with the South Florida Building Code.

4.3 Fasteners must have their own Notice of Acceptance and must be made of stainless steel or have adequate protection against corrosion, per DIN 50981. Aluminum containing metals not considered compatible shall be properly protected

5. IDENTIFICATION

5.1 Each door system shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Dade County Product Control Approved". It shall be located in a visible place inside the frame jamb.

5.2 The door slab itself shall also bear a permanent label, at the door inside edge, with the manufacturer's name or logo, city and state.

6. USE

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

6.1.1 This Notice of Acceptance

6.1.2 Completely dimensioned drawing showing size and location, including height above grade of opening to receive door, mean roof height, length and width of building.

6.2 The Building Official shall ensure the adequacy of door to meet the pressure requirement of the opening in which it is to be installed.

6.3 **Note:** The installation of this unit will not require a hurricane protective system.

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

- 2b -

Brunswick Door Company

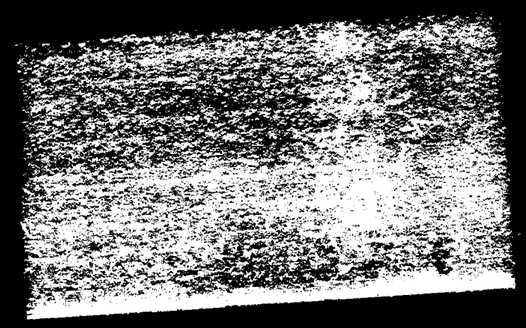
ACCEPTANCE No.: 95-1212.01
APPROVED : AUG 15 1996
EXPIRES : AUG 15 1999

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

7. TESTS PERFORMED

TEST	RESULTS: TEST LOADS	DESIGN LOADS
AIR INFILTRATION @ 1.57 PSF	[illegible]	----------
SFBC PA 202-94 (@ 34" CEMAFT)	1.57 PSF	
UNIFORM STATIC PRESSURE @ DESIGN LOAD	+76.0 PSF	+76.0 PSF
SFBC PA 202-94 POSITIVE	TEST REPORT 95-1038	TEST REPORT 95-1038
UNIFORM STATIC PRESSURE @ DESIGN LOAD	-76.0 PSF	-76.0 PSF
SFBC PA 202-94 NEGATIVE	TEST REPORT 95-1038	TEST REPORT 95-1038
WATER RESISTANCE (PSF)	11.5 PSF	+76.0 PSF
SFBC PA 202-94	TEST REPORT 95-1038	TEST REPORT 95-1038
UNIFORM STATIC AIR PRESSURE @ FULL TEST LOAD	+990.0 PSF	+45.3 PSF
SFBC PA 202-94 POSITIVE	TEST REPORT 95-1038	TEST REPORT 95-1038
UNIFORM STATIC AIR PRESSURE @ FULL TEST LOAD	-114.0 PSF	-76.0 PSF
SFBC PA 202-94 NEGATIVE	TEST REPORT 95-1038	TEST REPORT 95-1038
FORCED-ENTRY RESISTANCE (FER)	SATISFACTORY	----------
SFBC Section 3603.02 and SFBC PA 202-94	TEST REPORT 95-476	
LARGE MISSILE IMPACT TEST	SATISFACTORY	
SFBC PA 201-94	TEST REPORT 95-476	
CYCLIC WIND PRESSURE TEST	+85.0 PSF	+45.3 PSF
SFBC PA 203-94 POSITIVE (671 cycles)	TEST REPORT 95-476	TEST REPORT 95-476
CYCLIC WIND PRESSURE TEST	-111.0 PSF	-85.3 PSF
SFBC PA 203-94 NEGATIVE (671 cycles)	TEST REPORT 95-476	TEST REPORT 95-476
Design Pressure Rating (Negative)		+45.0 PSF
Design Pressure Rating (Negative)		-76.0 PSF

Manuel Perez, P.E. Plans Examiner II



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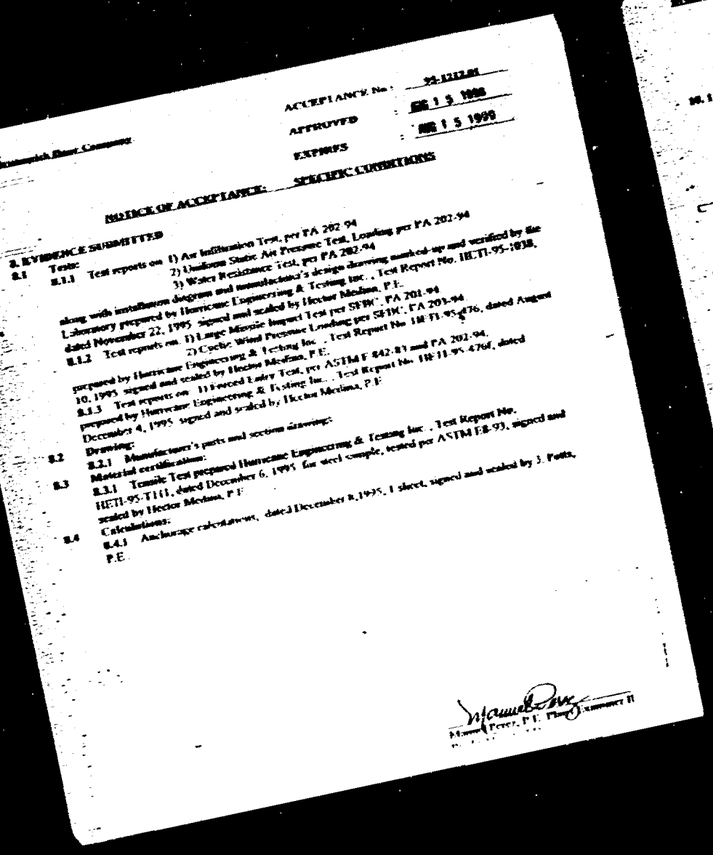


Brunswick Door Company

ACCEPTANCE No.: 95-1212.01
APPROVED : AUG 1 5 1996
EXPIRES : AUG 1 5 1999

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

8. EVIDENCE SUBMITTED

8.1 Tests:

8.1.1 Test reports on 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
along with installation diagram and manufacturer's design drawing marked-up and verified by the Laboratory prepared by Hurricane Engineering & Testing Inc., Test Report No. HETI-95-1038, dated November 22, 1995 signed and sealed by Hector Medina, P.E.

8.1.2 Test reports on 1) Large Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
prepared by Hurricane Engineering & Testing Inc., Test Report No. HETI-95-476, dated August 10, 1995 signed and sealed by Hector Medina, P.E.

8.1.3 Test reports on 1) Forced Entry Test, per ASTM F 842-83 and PA 202-94, prepared by Hurricane Engineering & Testing Inc., Test Report No. HETI-95-476f, dated December 4, 1995 signed and sealed by Hector Medina, P.E.

8.2 Drawing:

8.2.1 Manufacturer's parts and section drawings.

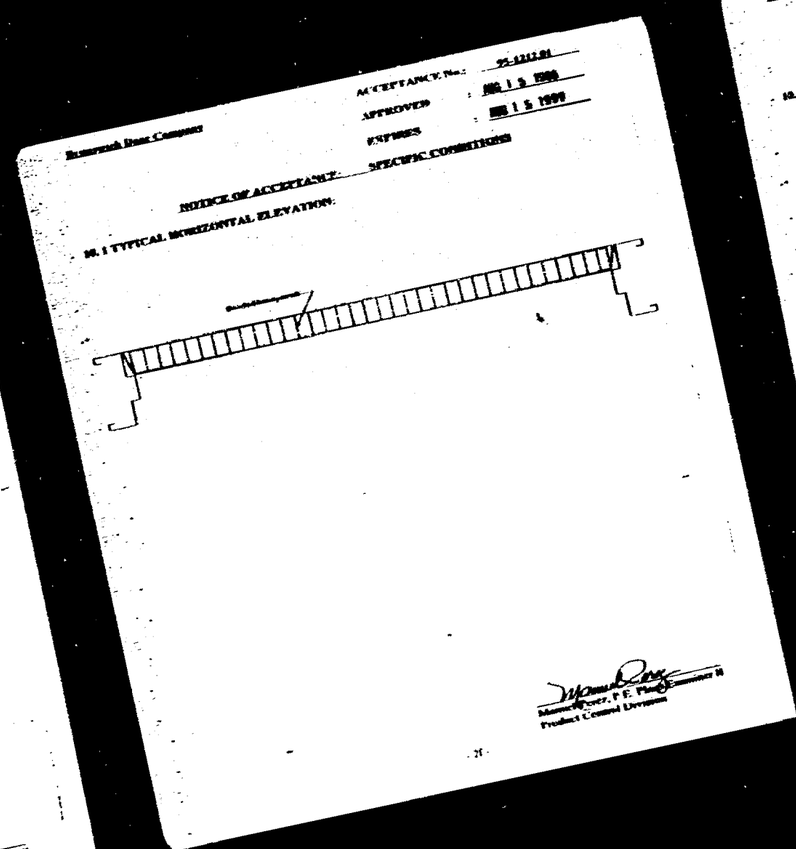
8.3 Material certification:

8.3.1 Tensile Test prepared Hurricane Engineering & Testing Inc., Test Report No. HETI-95-T111, dated December 6, 1995 for steel sample, tested per ASTM E8-93, signed and sealed by Hector Medina, P.E.

8.4 Calculations:

8.4.1 Anchorage calculations, dated December 8, 1995, 1 sheet, signed and sealed by J. Potts, P.E.

Manuel Perez, P.E. Plans Examiner II



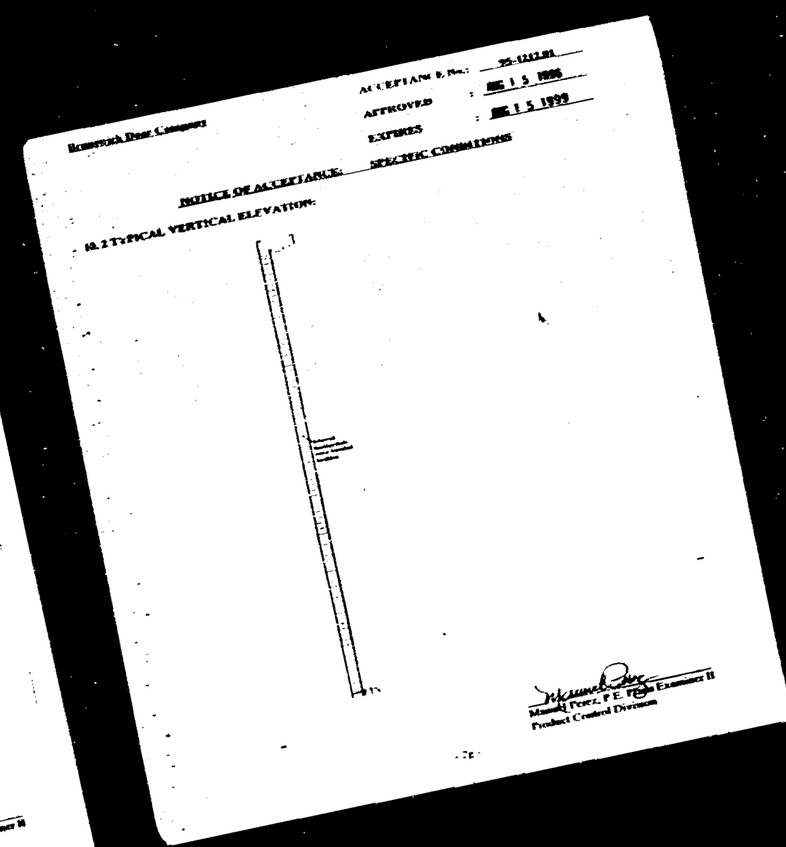
Brunswick Door Company

ACCEPTANCE No.: 95-1212.01
APPROVED : AUG 1 5 1996
EXPIRES : AUG 1 5 1999

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

10.1 TYPICAL HORIZONTAL ELEVATION:

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



Brunswick Door Company

ACCEPTANCE No.: 95-1212.01
APPROVED : AUG 1 5 1996
EXPIRES : AUG 1 5 1999

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

10.2 TYPICAL VERTICAL ELEVATION:

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

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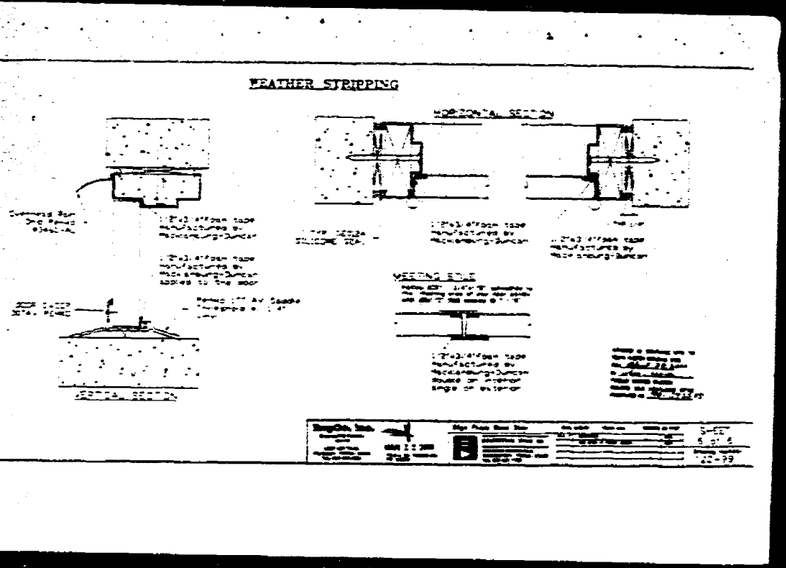

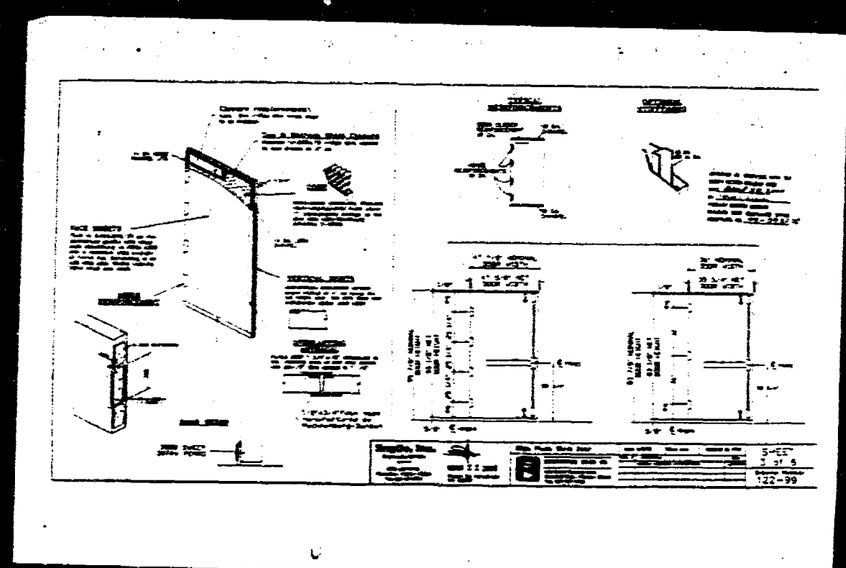

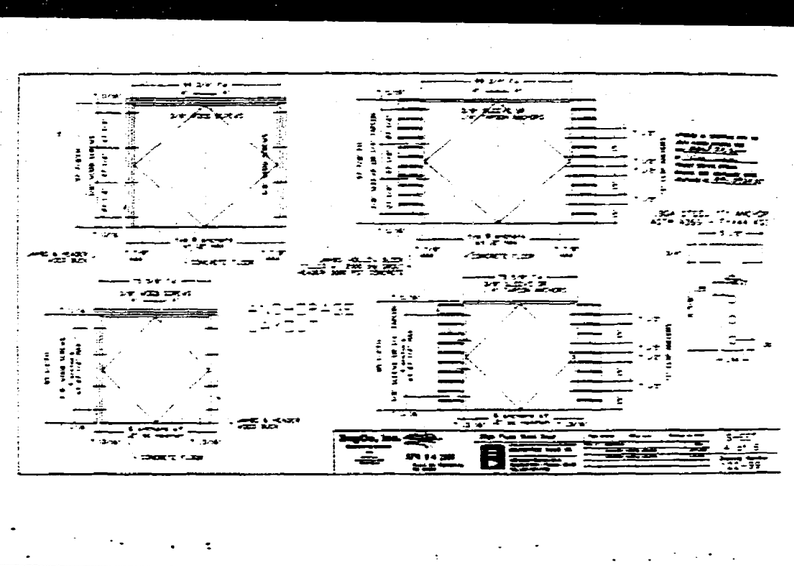

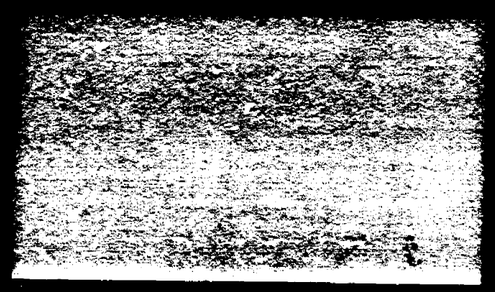

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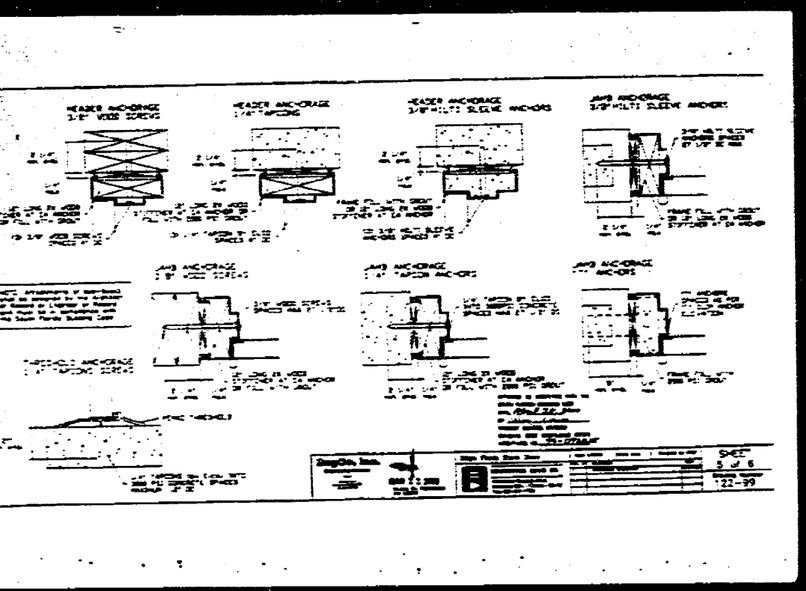
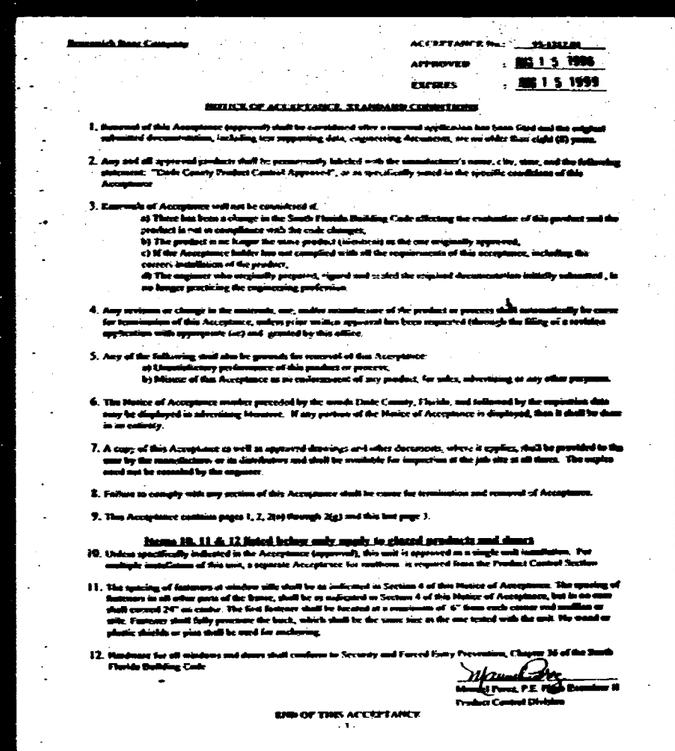




Benevolo Bear Company

ACCEPTANCE No.: 95-1217.01

APPROVED : AUG 1 5 1996

EXPIRES : AUG 1 5 1999

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: "Dade County Product Control Approved", or as specifically noted 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 (ac) and granted by this office.

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

6. The Notice of Acceptance number preceded by the words 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 an 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 copies need not be consulted by the engineer.

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

9. This Acceptance contains pages 1, 2, 2(a) through 2(g) and this last page 3.

Items 10, 11 & 12 listed below only apply to glazed products and doors

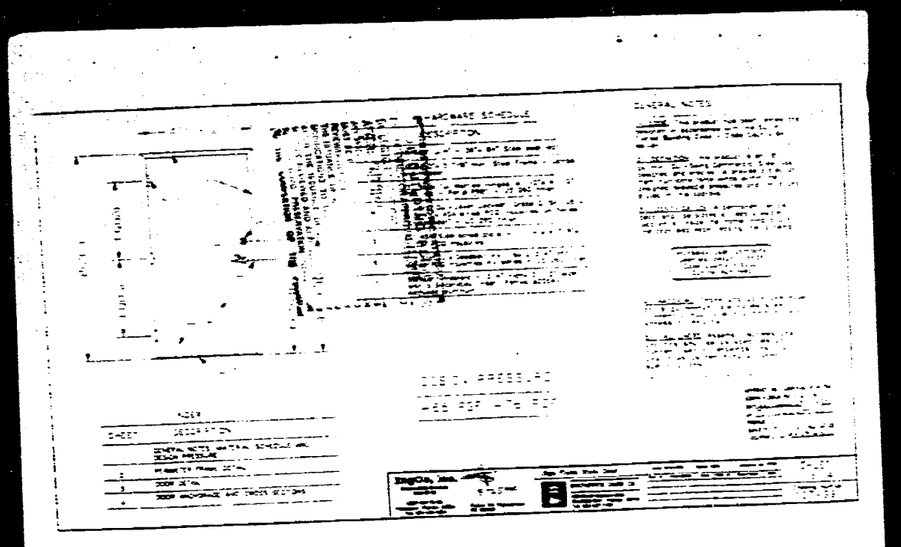
10. Unless specifically indicated in the Acceptance (approval), this unit is approved as a single unit installation. For multiple installations of this unit, a separate Acceptance for mullions is required from the Product Control Section.

11. The spacing of fasteners at window sills shall be as indicated in Section 4 of this Notice of Acceptance. The spacing of fasteners in all other parts of the frame, shall be as indicated in Section 4 of this Notice of Acceptance, but in no case shall exceed 24" on center. The first fastener shall be located at a maximum of 6" from each corner and mullion or sill. Fastener shall fully penetrate the back, which shall be the same size as the one tested with the unit. No wood or plastic shields or pins shall be used for anchoring.

12. Hardware for all windows and doors shall conform to Security and Forced Entry Prevention, Chapter 36 of the South Florida Building Code.

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

END OF THIS ACCEPTANCE



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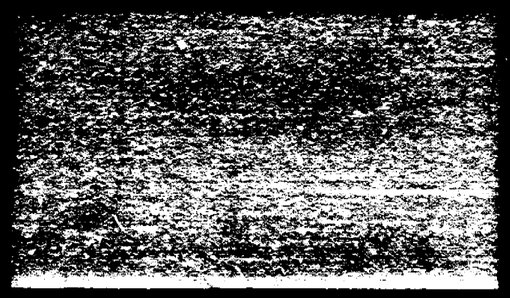

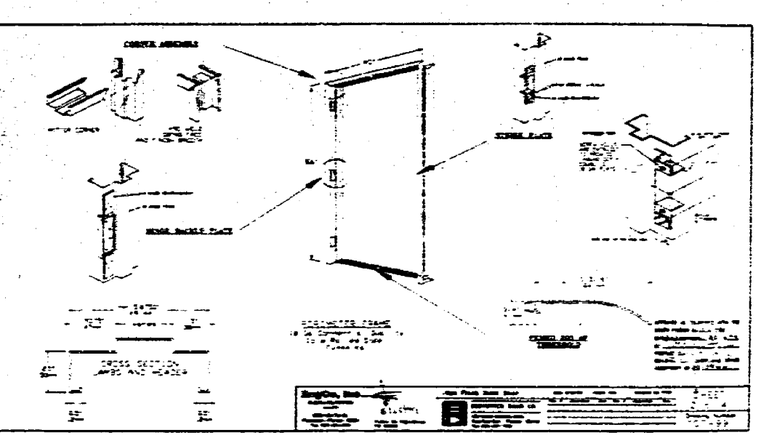

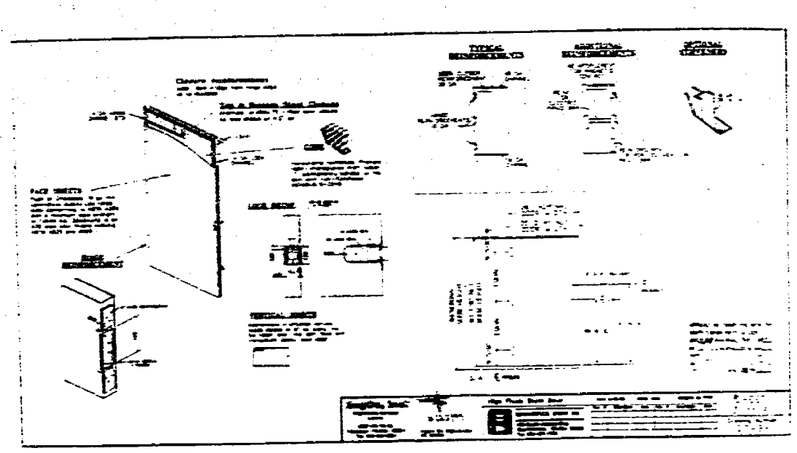

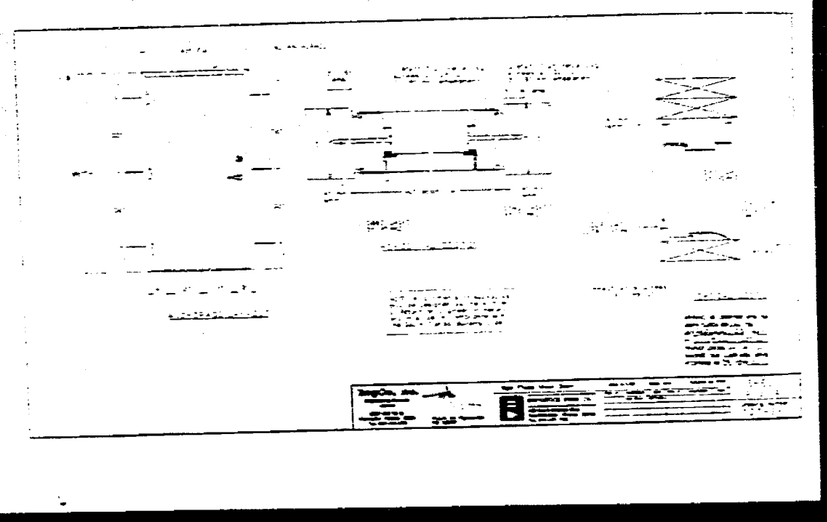

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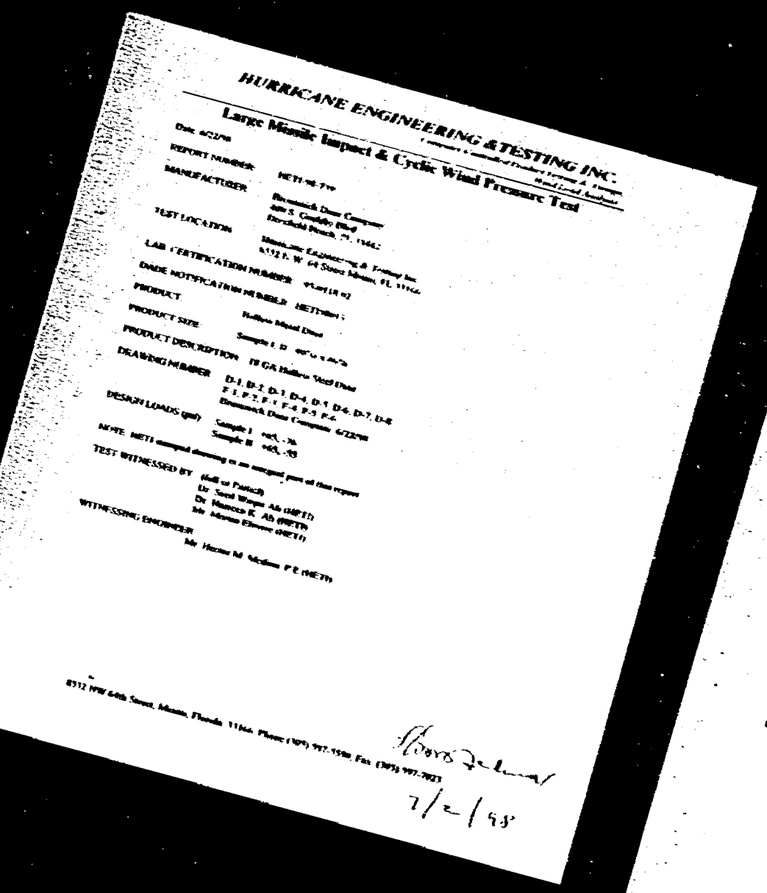


HURRICANE ENGINEERING & TESTING INC.

Large Missile Impact & Cyclic Wind Pressure Test

REPORT NUMBER: HETI-98-739

MANUFACTURER: Brunswick Door Company

TEST LOCATION: Hurricane Engineering & Testing Inc.

LAB CERTIFICATION NUMBER: 95-0118-02

DADE NOTIFICATION NUMBER: HETI-98-3

PRODUCT: Hollow Steel Door

PRODUCT SIZE: Sample I, II

PRODUCT DESCRIPTION: 18 GA Hollow Steel Door

DRAWING NUMBER: D-1, D-2, D-3, D-4, D-5, D-6, D-7, D-8, F-1, F-2, F-3, F-4, F-5, F-6

DESIGN LOADS (psf): Sample I: +65, -76; Sample II: +65, -55

NOTE: HETI stamped drawing is an integral part of this report

TEST WITNESSED BY: (full or Partial)

Dr. Saeed Wrapa Ali (HETI)

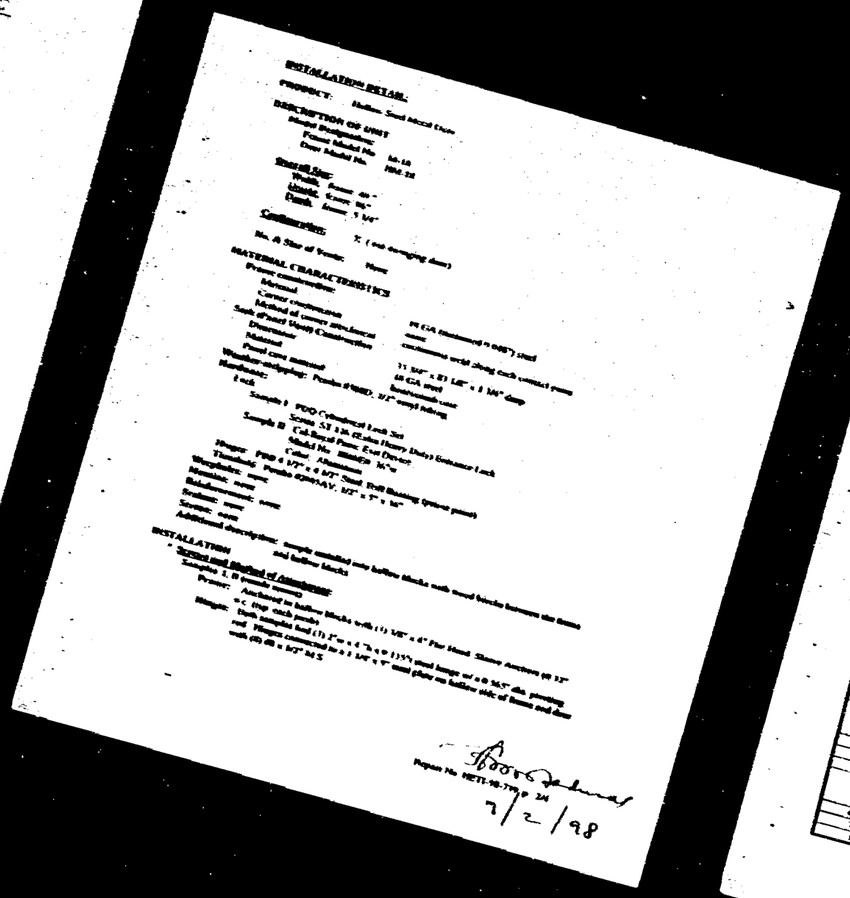
Dr. Mamoon K. Ali (HETI)

Mr. Mamoon Elsaiee (HETI)

WITNESSING ENGINEER: Mr. Hector M. Medina, P.E. (HETI)

8532 NW 64th Street, Miami, Florida 33166. Phone (305) 997-5590, Fax (305) 997-7023

7/2/98



INSTALLATION DETAIL

PRODUCT: Hollow Steel Door

DESCRIPTION OF UNIT

Sample I: 18 GA Hollow Steel Door

Sample II: 18 GA Hollow Steel Door

Construction: 3 ½" (with damaging door)

No. & Size of Vents: None

MATERIAL CHARACTERISTICS

Primary construction: 18 GA Hollow Steel Door

Material: Carrier construction

Method of carrier attachment: 18 GA Hollow Steel Door

Sash of Panel Wall Construction: 18 GA Hollow Steel Door

Dimensions: 33 3/4" x 83 1/8" x 1 3/4" deep

Material: 18 GA steel

Panel core material: Hollow steel

Weather-stripping: Pemko #3880, 3/4" vinyl tubing

Hardware: Lock

Sample I: PDQ Cylindrical Lock Set

Sample II: Cal-Royal Panic Exit Device

Model No. 8000EB 36"

Color: Aluminum

Hinges: PDQ 4 1/2" x 4 1/2" Steel, Ball Bearing (pivot point)

Thresholds: Pemko #2040AV, 3/4" x 3" x 36"

Weatherstrip: none

Mullions: none

Sealant: none

Screws: none

Additional descriptions: sample installed into hollow blocks with wood blocks between the frame and hollow blocks

INSTALLATION

Screws and Method of Attachment

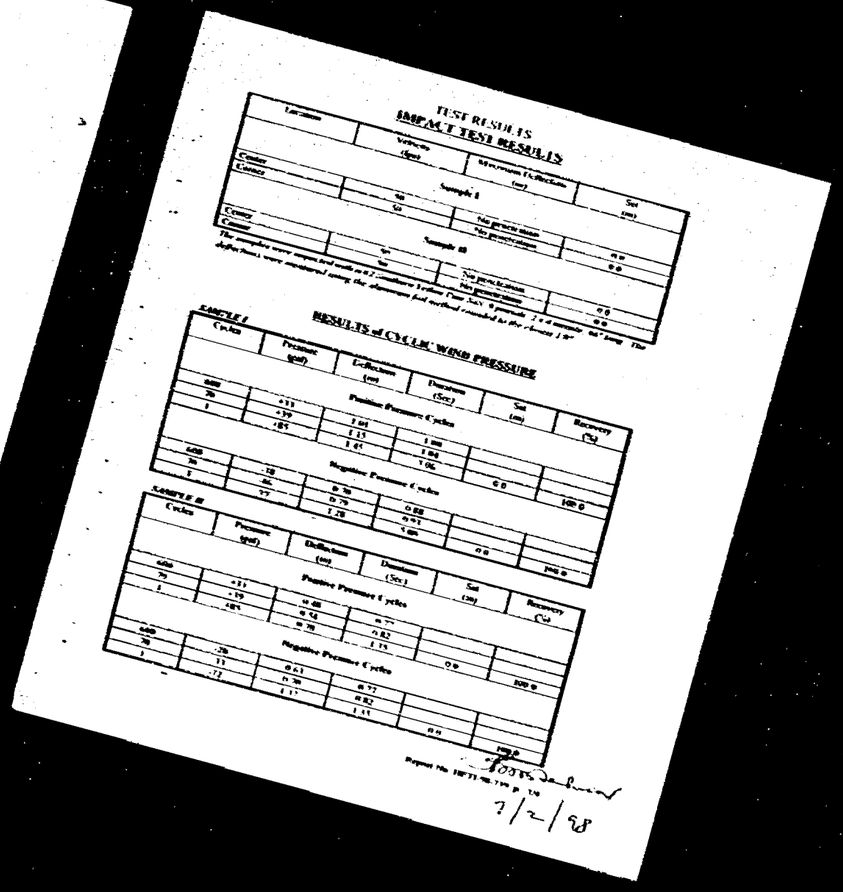
Sample I, II (sample number)

Primary: Anchored to hollow blocks with (1) 3/8" x 4" Flat Head, Shaft Anchors @ 32" c.c. (top each pole)

Hinges: Each sample had (1) 2" x 4 1/2" x 1/4" (3 1/2") steel hinge w/ a 0.365" dia. pivoting rod. Hinges connected to a 1 1/4" x 5" steel plate on hollow side of frame and door with (8) 8 x 1/2" M.S.

Report No. HETI-98-739 p. 2/4

7/2/98



TEST RESULTS

IMPACT TEST RESULTS

Location	Velocity (fps)	Maximum Deflection (in)	Set (in)
Sample I			
Center	50	No penetration	0.0
Center	50	No penetration	0.0
Sample II			
Center	50	No penetration	0.0
Center	50	No penetration	0.0

The samples were exposed with a 8.2 Southern Yellow Pine Sky 9 pounds, 2 x 4 sample, 96" long. The deflections were measured using the aluminum foil method rounded to the closest 1/8".

RESULTS of CYCLIC WIND PRESSURE

SAMPLE I

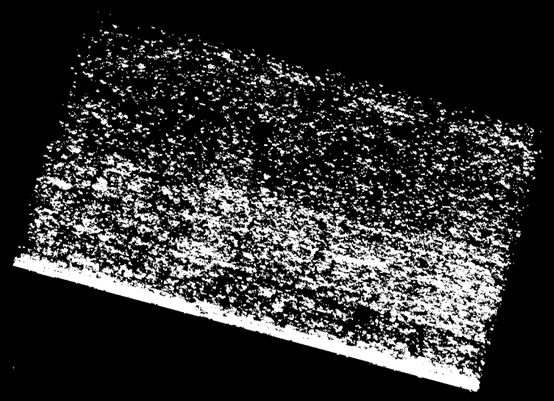
Cycles	Pressure (psf)	Deflection (in)	Duration (Sec)	Set (in)	Recovery (%)
Positive Pressure Cycles					
600	+11	1.01	1.00		
70	+39	1.15	1.04		
1	+85	1.45	1.06	0.0	100.0
Negative Pressure Cycles					
600	-18	0.70	0.88		
70	-46	0.79	0.91		
1	-77	1.28	1.06	0.0	100.0

SAMPLE II

Cycles	Pressure (psf)	Deflection (in)	Duration (Sec)	Set (in)	Recovery (%)
Positive Pressure Cycles					
600	+11	0.48	0.77		
70	+39	0.54	0.82		
1	+85	0.78	1.15	0.0	100.0
Negative Pressure Cycles					
600	-28	0.61	0.77		
70	-11	0.70	0.82		
1	-77	1.17	1.15	0.0	100.0

Report No. HETI-98-739 p. 3/4

7/2/98



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CONCLUSION

The system was tested in accordance with Dade County Protocol PA 201-94 & pa 201-94, and the requirements of Southern Building Code section 1707.4. The samples were select and operational at the conclusion of each test.

NOTE: The above results were obtained using the designated test methods which indicates compliance with the performance requirements of the referenced specifications. This report does not constitute certification of the specimens tested.

Dr. Nemesio K. Ali
Vice President
(NETI)

Hector M. Medina, P.E.
President Engineer

7/2/98

Report No. NETI-98-739 p. 4/4

MIAMI DADE COUNTY, FLORIDA
METRO-DADE PLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE PLAGLER BUILDING
110 WEST PLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-3988

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

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2906 FAX (305) 375-2906

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 375-6139

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Brunswick Door Company
400 South Goolsby Boulevard
Deerfield Beach FL 33442

Your application for Product Approval of
20 g Flush Outswing Commercial Steel Doors(w/16g frame)-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 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 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 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.: 99-0920.05
Expires: 04/28/2003

Raul Rodriguez
Chief Product Control Division

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

BUILDING CODE & PRODUCT REVIEW COMMITTEE

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

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

Approved: 04/28/2000

1 of 3

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

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Brunswick Door Company

ACCEPTANCE No.: 99-0920.05
APPROVED : APR 2 8 2000
EXPIRES : APR 2 8 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

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

2. **PRODUCT DESCRIPTION**
2.1 The series 20 ga Flush (or Embossed) Outswing Commercial Steel Doors w/ 16ga Frames (Pair)- Large Missile Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No 122-99, titled "20ga Flush Steel Door", Sheets 1 through 6 of 6, prepared by EngCo, Inc, dated 09/08/99 and latest revised on 4-4-00, signed and sealed by Pedro De Figueiredo, 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 of pair of doors and single door only, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.

4. **INSTALLATION**
4.1 The 20ga commercial steel doors 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, city, state and following statement: "Miami-Dade County Product Control Approved"

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

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

2 of 3

05

Broward Door Company

ACCEPTANCE No.: 99-0730.05

APPROVED : APR 2 8 2000

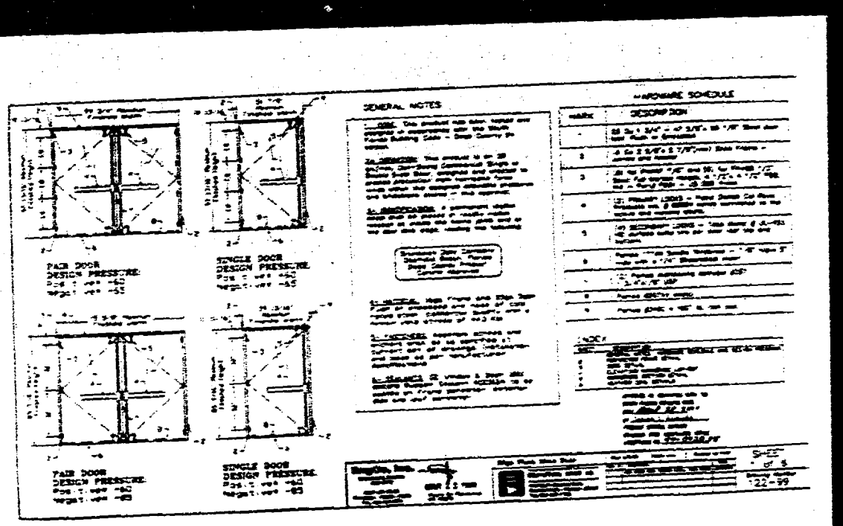
EXPIRES : APR 2 8 2003

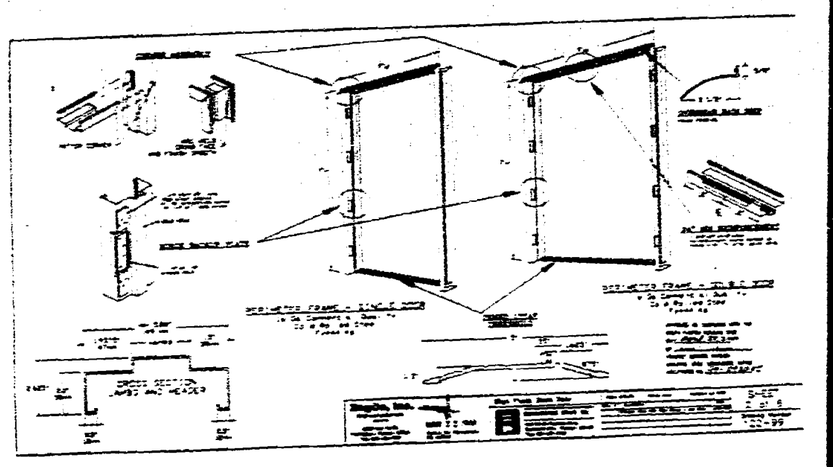
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

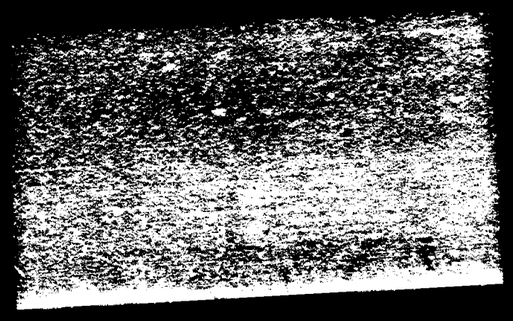
1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific condition: 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 so 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 record 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

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

END OF THIS ACCEPTANCE
3 of 3







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Hennrich Door Company

ACCEPTANCE No.: 95-1117-01

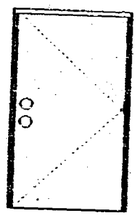
APPROVED : DEC 15 1999

EXPIRES : DEC 15 1999

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

9. COMPARATIVE ANALYSIS: N/A

10. TYPICAL ELEVATION:



FOR BUILDING PERMIT

DATE OF ISSUANCE:

BY:

AFTER:

ANY MOD

PART #:

REVISE

THE ELEMENTS

INCORPORATE

WITH THE

NOTE: PRESERVATION

THE COMPONENTS OF THIS PRODUCT

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

- 2c -

FROM :

FAX NO.

Dec. 14 2000 08:20PM P6

STRUCTURAL TEST REPORT – SLIDING GLASS DOOR

Test Date: 01/10/00 Job #: 0073-0101-00 Specimen #: 2 Page #: 3

This door panel that was fabricated from an aluminum alloy 6063-T5 extrusion (CGD Part #4602). Please refer to CGD Die Drawing #402 for additional cross sectional details with an 090 interlock. The bottom rail of the male operable door panel consisted of an aluminum alloy 6063-T5 extrusion (CGD Part #5201) having cross sectional dimensions of 3.688-in. (Total) x 1.330-in. (deep) x 0.062 in. (min. wall thickness). Please refer to CGD Die Drawing #5014 for additional cross sectional details. The interlocking stile in the male operable panel was fabricated from an aluminum alloy 6063-T5 extrusion (CGD Part #633) having cross sectional dimensions of 2.900 -in. (Total) x 1.970-in. (deep) x 2.080 -in. (max. wall thickness). Please refer to CGD Die Drawing # 6633 for additional cross sectional details. The meeting stile in the male operable panel was fabricated from an aluminum alloy 6063-T5 extrusion (CGD Part #6631) having cross sectional dimensions of 2.900 -in. (Total) x 0.788-in. (min. wall thickness). Please refer to CGD Die Drawing #6631 for additional cross sectional details. At each panel corner the horizontal members were square cut and mechanically attached to the vertical members using one (1), #12 x 1-in. Truss Head Phillips stainless steel (304 alloy) S.M.S. that passed through the stile member and engaged into the screw spline contained in the top rail extrusion. Please refer to CGD Drawing #4410, Sheet 2 of 8, Detail A for more information on the location of this fastener. The stile member was then mechanically fastened to the top cap member at each corner using one (1), #12 x 1-in. Truss Head Phillips stainless steel S.M.S. that passed through the stile member and engaged into the screw spline contained in the top rail extrusion. Please refer to CGD Drawing #4410, Sheet 2 of 8, Detail A for more information on the location of the fastener. The stile member was then mechanically attached to the top rail member using one (1), #12 x 1-in. Truss Head Phillips stainless steel (304 alloy) S.M.S. that passed through the stile member and engaged into the screw spline contained in the top rail extrusion. Please refer to CGD Drawing #4410, Sheet 2 of 8, Detail A for more information on the location of the fastener. The stile member was then mechanically attached to the bottom rail member using one (1), #12 x 1-in. Truss Head Phillips stainless steel S.M.S. (304 alloy) that passed through the stile member and engaged into the screw spline contained in the bottom rail extrusion. Please refer to CGD Drawing #4410, Sheet 2 of 8, Detail A for more information on the location of the fastener.

6.4 Operable Panel Construction: The top rail of the female operable door panel was fabricated from an aluminum alloy 6063-T5 extrusion (CGD Part #4401) having cross sectional dimensions 1.875-in. (Base) x 1.484-in (deep) x 0.080-in. (min. wall thickness). Please refer to CGD Die Drawing #4624 for additional cross sectional details. There was also a top rail cap used in this door panel that was fabricated from an aluminum alloy 6063-T5 extrusion (CGD Part #4402). Please refer to CGD Die Drawing #402 for additional cross sectional details on this member. The bottom rail of the female operable door panel consisted of an aluminum alloy 6063-T5 extrusion (CGD Part #5201) having cross sectional dimensions of 3.000-in. (Total) x 1.330-in. (deep) x 0.062 in. (min. wall thickness). Please refer to CGD Die Drawing #5014 for additional cross sectional details. The interlocking stile in the female operable panel was fabricated from an aluminum alloy 6063-T5 extrusion (CGD Part #633) having cross sectional dimensions of 2.080-in. (Total) x 1.938-in. (deep) x 0.090-in. (min. wall thickness). Please refer to CGD Die Drawing #633 for additional cross sectional details. The meeting stile in the female operable panel was fabricated from an aluminum alloy 6063-T6 extrusion (CGD Part #632) having cross sectional dimensions of 2.938 -in. (Total) x 3.500-in. (deep) x 0.088-in. (min. wall thickness). Please refer to CGD Die Drawing #6631 for additional cross sectional details. At each panel corner the horizontal members were square cut while the vertical members were notched. At each bottom panel corner, the stile member was mechanically attached to the bottom rail member using one (1), #12 x 1-in. Truss Head Phillips stainless steel S.M.S. (304 alloy) that passed through the stile member and engaged into the screw spline contained in the bottom rail extrusion. Please refer to CGD Drawing #4410, Sheet 2 of 8,

Professional Engineer of Record

3/7/00
Vince J. Abraham, P.E.
FL Reg. # 53820

FROM :

FAX NO.

Dec. 14 2000 08:20PM P6

STRUCTURAL TEST REPORT – SLIDING GLASS DOOR

Test Date: 01/10/00 Job #: 0073-0101-00 Specimen #: 2 Page #: 4

Detail A for more information on the location of the fastener. At each top panel corner, the stile member was mechanically attached to the top rail member using one (1), #12 x 1-in. Truss Head Phillips stainless steel (304 alloy) S.M.S. that passed through the stile member and engaged into the screw spline contained in the top rail extrusion. Please refer to CGD Drawing #4410, Sheet 2 of 8, Detail A for more information on the location of the fastener. The stile member was then mechanically fastened to the top cap member at each corner using one (1), #12 x 1-in. Truss Head Phillips stainless steel S.M.S. that passed through the stile member and engaged into the screw spline contained in the top rail extrusion. Please refer to CGD Drawing #4410, Sheet 2 of 8, Detail A for more information on the location of the fastener.

6.5 Glazing:

6.5.1 Glazing Materials: There were three different glazing materials used in this simulation.

Glazing Material A: 9/16-in. (nominal) laminated glass consisting of the following components:

- 3/16-in. (NR)
- 0.060-in. Sentry "Safety Film" TVB Interlayer
- 3/16-in. (FT)

Glazing Material B: 9/16-in. (nominal), GLOVE APPLICATION WINDPANE laminated glass consisting of the following components:

- 3/16-in. heat strengthened clear glass
- 0.030 -in. Uralfane
- 0.118-in. Lexan Polycarbonate Sheet
- 0.030 -in. Uralfane
- 3/16-in. heat strengthened clear glass

Glazing Material C: 1in. (nominal) fully tempered glass.

6.5.2 Glazing Methods: Each glass lite used in this simulation was dry glazed using an extruded EPDM interlock glazing gasket. Glazing material A & B were glazed using Tremco Dymeric 511 glazing gasket (0.625in.) while Glazing Material C was glazed using Georgia Extruders #1916 glazing gasket (1/4in.). Please note that at corners of each door panel the gasket to gasket joint was sealed additionally with a cap bead of silicone sealant.

6.5.3 Glazing Gaskets:

Quantity	Location	Gasket Dimensions	Glass Bite
2	Operable Door Panels	as-built in. (w) x as-built in. (d)	as-built in.
2	Fixed Door Panels	as-built in. (w) x as-built in. (d)	as-built in.

6.5.4 Weather-stripping:

Qty	Location	Description
32 ft	One run, 6'3" long, located on each the interior and exterior edge of each door panel top rail contacting against the mating head condition.	Amesbury #43622 270 wheels-in weather-strip.
36 ft	One run, 5'4" long, located on each the interior and exterior facing side of panel in each male panel meeting at the fixed	Amesbury #43626-270 wheels-in weather-strip.

ENGINEER OF RECORD

3/7/00
Vince J. Abraham, P.E.
FL Reg. # 53820

FROM :

FAX NO.

Dec. 14 2000 08:20PM P6

STRUCTURAL TEST REPORT – SLIDING GLASS DOOR

Test Date: 01/10/00 Job #: 0073-0101-00 Specimen #: 2 Page #: 5

	panel location.	
10 ft	9'9" per fixed panel interlock.	Amesbury #43626-270 wheels-in weather-strip.
10 ft	9'9" per operable panel interlock.	Amesbury #43626-270 wheels-in weather-strip.
18 ft	9'3" per operable panel interlock.	Mohawk Vent Company PVC Bulb (#MVC-3568).
18 ft	One run, 9'3" long, located on each the interior and exterior facing side of the female operable panel meeting stile.	Amesbury #43626-270 wheels-in weather-strip.
32 ft	One run, 16'4" long, located in each continuous raceway contained in sill track.	#4997-5 Ply Company PVC Bulb (#MVC-3568).
16 ft	One run located in continuous raceway contained in sill track.	Amesbury #43634-270 wheels-in weather-strip.
16 ft	Two rows each 8'6" long located in each continuous raceway contained in frame threshold section.	Amesbury #43634-270 wheels-in weather-strip.

6.6 Hardware:

Quantity	Location	Description
4	1 per bottom rail of each operable door panel.	Ref number #1439 stainless steel roller assembly.
1	Lock side of female operable panel.	Adams Rite #4570-47-39 stainless steel hook bolt mounted in lock side of operable panel using two (2), #6-32 x 1-1/4-in. #4700SS flat head stainless steel screws.

6.7 Weep Holes: None used.

6.8 Muntins: None used.

6.9 Additional Reinforcement: None used.

6.10 Sealant's Used:

Perimeter Seal – THERCO #116 VULKEM Urethane One Part Sealant.
Frame Joint Seal – THERCO #116 VULKEM Urethane One Part Sealant.
Door Panel Joint Seal – THERCO #116 VULKEM Urethane One Part Sealant.

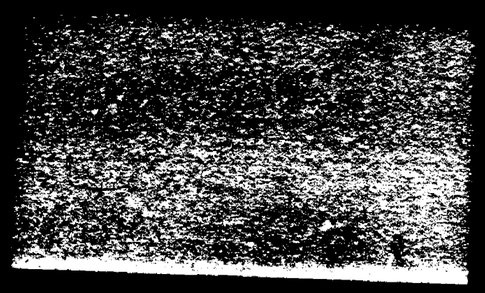
INSTALLATION

7.0 Following is a description of how this sample is installed in the wood buck for testing.

7.1 Frame Head: The head was secured to the buck using a double row of #14 x 2-1/4-in. S.S. YAMPER screws (staffed 5" c/c in. from each corner and 16-1/2-in. o.c. thereafter. There was a maximum gap space of 1/16-in. used along the entire length of the frame head.

ENGINEER OF RECORD

3/7/00
Vince J. Abraham, P.E.
FL Reg. # 53820



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FROM : FAX NO. Dec. 14 2000 08:29PM P5

STRUCTURAL TEST REPORT – SLIDING GLASS DOOR

Test Date: 01/10/00 **Job #:** 0073-0101-00 **Specimen #:** 2 **Page #:** 5

7.2 Frame Sill: The sill was secured to the track using a double row of #14 x 2-1/4-in. S.S. "Acme" screws located 3-1/4-in. from each corner and 16-1/2-in. o.c. thereafter. There was a maximum gap space of 1/8-in. used along the entire length of the frame sill.

7.3 Frame Jambs: Each frame jamb was secured to the track using a single row of #14 x 3-1/4-in. S.S. "Acme" located 3-1/4-in. from each corner and 16-1/2-in. o.c. thereafter. There was a maximum gap space of ½-in. used along the entire length of each frame jamb member.

TEST RESULTS

8.0 TEST SEQUENCE:

a. Air infiltration test @ 1.57 psf
b. Air infiltration test @ 6.24 psf
c. Uniform static cord test at 50% of positive test pressure
d. Uniform static cord test at positive design pressure
e. Uniform static cord test at 50% of negative test pressure
f. Uniform static cord test at negative design pressure
g. Water infiltration test @ 15% of positive design pressure
h. Uniform static cord test at 100% of positive test pressure
i. Uniform static cord test at 100% of negative test pressure
j. Forced entry resistance test

9.0 AIR INFILTRATION TEST RESULTS:

9.1 TEST DATA :

Test Pressure (psf)	Q (ft³/min)	Qa (ft³/min*ft²)
1.57	34.21	0.24
6.24	76.94	0.99

Q = Measured Air Leakage
Qa = Air Leakage Per Area of Sliding Door

9.2 REMARKS:

The air infiltration measured through this specimen is within the allowable limits for this type of product. As such, this sample was found to satisfy the requirements of Miami-Dade County Process PA 202 and AAMA 101.97.

10.0 WATER LEAKAGE TEST RESULTS

10.1 TEST CONDITIONS:

Test Pressure (6.24 psf) 14.00 psf
Test Duration 15.00 min.
Water Rate 5.0 gal./hr./sq.ft.

10.2 REMARKS:

At the conclusion of the test duration, there was no water penetration inside the test chamber. The specimen was found to satisfy the requirements of Miami-Dade County Process PA 202 and AAMA 101.97.

ENGINEER OF RECORD
4/26/00
Virnu J. Abraham, P.E.
FL Reg. # 53820

FROM : FAX NO. Dec. 14 2000 08:29PM P10

STRUCTURAL TEST REPORT – SLIDING GLASS DOOR

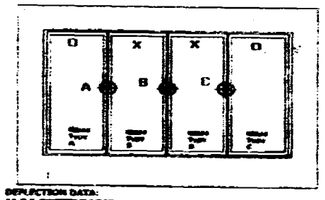
Test Date: 01/10/00 **Job #:** 0073-0101-00 **Specimen #:** 2 **Page #:** 7

11.0 UNIFORM STATIC LOAD TEST RESULTS:

11.1 TEST LOAD (P_T) COMPUTATION:

Manufacturer Specified Design Pressure:
Inward Acting Design Pressure (P_{DESIGN}) = 94.00 psf
Outward Acting Design Pressure (P_{DESIGN}) = 94.00 psf
Conversion to Experimental Test Load:
Minimum Inward Acting Test Load (P_T) = 1.50(P_{DESIGN}) = 141.00 psf
Maximum Outward Acting Test Load (P_T) = 1.50(P_{DESIGN}) = 141.00 psf

11.2 DEFLECTION GAGE LOCATIONS:



11.3 DEFLECTION DATA:

11.3.1 POSITIVE LOAD:

Location A:

Load (psf)	Net Deflection (in.)	Permanent Set (in.)	% Recovery
71	1.38	0.19	86.36
94	1.75	0.19	89.29
141	2.50	0.25	90.00

FOR BUILDING PERMIT
BUILDING
AFTER
ANY REQ
MUST BE
REMOVED
THE REMARKS
MODIFICATIONS
AFTER THE
BE HELD AND
PRESERVATION

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3/7/00
Virnu J. Abraham, P.E.
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FROM : RAIN FAX NO. Dec. 14 2000 08:24PM P1

Hurricane Test Laboratory, Inc.
[illegible]
Windows / Doors / Skylights / Curtain Walls / Shutters / EIFS / Metal Building Systems
E-Mail:
9955 Garden Road
Riviera Beach
Florida 33404
Phone: (561) 881-2222
Fax: (561) 881-0675

STRUCTURAL TEST REPORT – SLIDING GLASS DOOR

Test Date: 01/10/00 **Job #:** 0073-0101-00 **Specimen #:** 2 **Page #:** 1

CUSTOMER INFORMATION

1.0 NAME OF APPLICANT: CRAWFORD GLASS DOOR COMPANY, INC.
3331 SW 13th Drive Suite B
Deerfield Beach, FL 33442

2.0 CONTACT PERSON: Ralph Crawford

3.0 HTL NOTIFICATION #: HTL 99065/99066 (Miami-Dade)

4.0 HTL LAB CERTIFICATION: Miami-Dade County (99-0301.04)
SBCC (TL97304)
American Architectural Manufacturers Association (AAMA)
Texas Department of Insurance (TDI)

PRODUCT DESCRIPTION

5.0 DESCRIPTION OF TESTED UNITS: Please note that it at Crawford glass Door Drawing # 4410 and all accompanying sheets are incorporated into this test report by reference.

5.1 Model Designation: CRAWFORD GLASS DOOR MODEL 44 PERFORMANCE II 44-mm in Sliding Glass Door

5.2 Overall Size: 192 in. (w) x 108-in. (h)

5.3 Configuration: OXXO

5.4 No./Size of Vents: 1 male operable panel @ 49-1/4-in (w) x 106-5/8-in. (h);
1 female operable panel @ 49-9/16-in. (w) x 106-5/8-in. (h)
2 fixed panels @ 48-1/8-in (w) x 106-5/8-in. (h)

6.0 MATERIAL CHARACTERISTICS:

6.1 Frame Construction: The head member used in this door frame was fabricated from an aluminum alloy 6063-T6 extrusion (CGD Extrusion #229) having cross sectional dimensions of 2.5-in. (face) x 5.375-in. (deep) x 0.090-in. (min. wall thickness). Each jamb member used in this door frame was fabricated from an aluminum alloy 6063-T6 extrusion (CGD Extrusion #229) having cross sectional dimensions of 1.25-in (face) x 5.375-in. (deep) x 0.090-in. (min. wall thickness). The sill track member used in this door frame was fabrication from an aluminum alloy 6063-T6 extrusion (CGD Extrusion #223) having cross sectional dimensions of 2.500-in. x 0.455-in. (deep) x 0.080-in. (min. wall thickness). At each frame corner, horizontal frame member ends were sawed out while vertical frame member ends were notched to match the cross-section profile of the head or sill member extrusion. At each frame corner, the horizontal and vertical members were butted together. Please note that there were no mechanical fasteners used in the construction of each frame corner. Please note there was a continuous aluminum alloy 6063 T6 screen track (CGD Extrusion #283) with overall cross-sectional dimensions of 0.550-in. x 1.250-in. (deep) x 0.080-in. (min. wall thickness) snap applied to the frame sill track member along its entire length to provide

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3/7/00
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FROM : FAX NO. Dec. 14 2000 08:25PM P4

STRUCTURAL TEST REPORT – SLIDING GLASS DOOR

Test Date: 01/10/00 **Job #:** 0073-0101-00 **Specimen #:** 2 **Page #:** 2

are used also on the door frame sill. Please refer to CGD Drawing #4410, Sheet 2 of 8, Detail A for more information on the notching of vertical frame member ends. There was an aluminum alloy 6063-T6 sill threshold (CGD part # 253) snap applied to the frame sill track member in between the two fixed panels. The threshold assisted in keeping the two fixed panels stationary. Please note that all frame joints were additionally sealed using a bead of TREMCO #116 VULKEM urethane One Part sealant. The perimeter sealant line along the head was applied on the exterior side of the head member and ran the entire length of the head member. The same procedure was utilized along the entire length of each jamb member on the exterior side. On the 11 track member there was a continuous bead of perimeter sealant applied along its entire length on the interior side and 6-in up on either jamb member.

6.2 Fixed Door Panel Construction: The top rail of each fixed door panel was fabricated from an aluminum alloy 6063-T6 extrusion (CGD Part #401) having cross sectional dimensions 1.875-in (face) x 1.484-in (deep) x 0.080-in. (min. wall thickness). Please refer to CGD Die Drawing #4014 for additional cross sectional details. There was also a top rail cap used in each fixed door panel that was fabricated from an aluminum alloy 6063 T6 extrusion (CGD Part #402). Please refer to CGD Die Drawing #402 for additional cross sectional details on this member. The bottom rail of the sliding glass door panels consisted of an aluminum 6063-T6 extrusion (CGD Part #5021) having cross sectional dimensions of 3.000-in. (face) x 1.335-in. (deep) x 0.080-in. (min. wall thickness). Please refer to CGD Die Drawing #5004 for additional cross sectional details. The panel stile in each fixed panel was fabricated from an aluminum alloy 6063 T6 extrusion (CGD Part #5411) having cross sectional dimensions of 1.500-in. (face) x 1.535-in. (deep) x 0.080-in. (min. wall thickness). Please refer to CGD Die Drawing #5044 for additional cross sectional details. The meeting stile in each fixed panel was fabricated from an aluminum alloy 6063-T6 extrusion (CGD Part #5211) having cross sectional dimensions of 2.000-in. (face) x 1.910-in. (deep) x 0.080-in. (min. wall thickness). Please refer to CGD Die Drawing #5034 for additional cross sectional details. At each fixed panel corner the horizontal members were square cut while the vertical members were notched. At each bottom fixed panel corner, the stile member was mechanically attached to the bottom rail member using one (1) #12 x 1-in. Truss Head Phillips stainless steel S.M.S. (304 alloy) that passed through the jamb member and engaged into the screw spline contained in the bottom rail extrusion. Please refer to CGD Drawing #4410, Sheet 2 of 8, Detail A for more information on the location of this fastener. At each top fixed panel corner, the stile member was mechanically attached to the top rail member using one (1) #12 x 1-in. Truss Head Phillips stainless steel (304 alloy) S.M.S. that passed through the stile member and engaged into the screw spline contained in the top rail extrusion. Please refer to CGD Drawing #4410, Sheet 2 of 8, Detail A for more information on the location of this fastener. Please note that there was a ½" width fixed panel lock used at the bottom rail location of each fixed pane. The fixed panel lock was fabricated from an aluminum alloy 6063-T6 extrusion (CGD Part #250).

6.3 Male Operable Panel Construction: The top rail of the male operable door panel was fabricated from an aluminum 6063 T6 extrusion (CGD Part #401) having cross sectional dimensions 1.875-in. (face) x 1.484-in (deep) x 0.080-in. (min. wall thickness). Please refer to CGD Die Drawing #4014 for additional cross sectional details. There was also a top rail cap used in

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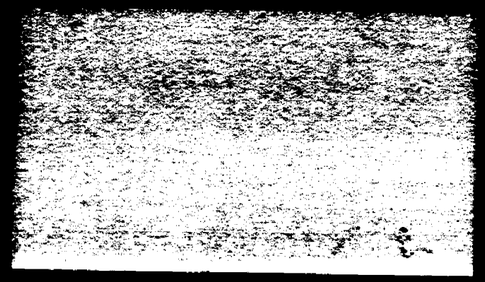


05

TERY CALCULATION:"RAIN" AT THE BEACH

ent Draw Worksheet

...ed worksheet to determine current requirements during alarm/battery standby operation. (Copy this page ...ional device is in use.)

Device	Number of Devices	Current per Device			Standby Current	Alarm Current
		A	This Column	=	Current per Number of Devices	
...ation Device only (see formula ...This Panel (Constant draw.)	1	Alarm		140	140	
		Standby		280		280 (*)
		Alarm		0.001	0.02	
		Standby		0.001		0.02
	NS	Alarm			0	0.00
		Standby				
...ke and Heat Detector		Alarm			0	0.00
		Standby				
		Alarm			140.016	280.02
		Total System Current			0	0.00
...ctive Annunciator					0	0.00
		Alarm/Standby			0	0.00
		Alarm/Standby			0	0.00
		Alarm/Standby			0	0.00
		Alarm/Standby			0	0.00
		Total Device Current				
		Alarm		205		2050.00
		Alarm		370		370.00
		Alarm			0	0.00
		Alarm			0	0.00
	10	Alarm				3220.00
	1	Alarm				2.05
		Total Notification Appliance Current			140.016	2590.02
					0.140016	
					80	
					0.40009	
						0.08
						0.24
...Total Current rating of all devices in system (line A + line B + line C)						
...Number of standby hours (24 or 60 hours)		Total standby (A)				
...Standby time (T min)						
...Alarm allowance (.083 hours)						
...Total alarm (A)		Total ampere hours			0.64	
...Alarm time (T min)						
...Total ampere hours (C)						

...Must Meet table following with expanding generator down-load required.

...Checked

* Note: If you are using door holders, you do not need to consider door holder current during alarm/battery standby. Maintain door holder power is removed during alarm/battery standby. Include door holder current and must be included in line 3.0 A static current that can be either from the panel

---

Whole Building Performance Method for Commercial Buildings Form 400A-97

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Florida Department of Community Affairs

FLA/COM-97 Version 2.2

PROJECT NAME: GROOVE JET RENOVATIONS
ADDRESS: 3223 23 rd. ST.
MIAMI, FL.
OWNER: 0
AGENT:

PERMITTING OFFICE:
MIAMI Beach
CLIMATE ZONE: 0
PERMIT NO.:
JURISDICTION NO.: 2325CO

BUILDING TYPE: Restaurant > 100 People
CONSTRUCTION CONDITION: Existing Building
DESIGN CONDITION: Renovation
CONDITIONED FLOOR AREA: 4636
MAX. TONNAGE OF EQUIPMENT PER SYSTEM: 15
NUMBER OF ZONES: 1

COMPLIANCE CALCULATION:	DESIGN	CRITERIA	RESULT
METHOD A	59.73	100.00	PASSES
A: WHOLE BUILDING			
PRESCRIPTIVE REQUIREMENTS:			
LIGHTING			PASSES
LIGHTING CONTROL REQUIREMENTS			PASSES
HVAC EQUIPMENT		8.50	PASSES
COOLING EQUIPMENT	10.00	8.50	
1. EER	7.50		N/A
IPLV			
HEATING EQUIPMENT	1.00	4.20	PASSES
2. HE			
AIR DISTRIBUTION SYSTEM INSULATION REQUIREMENTS	6.00		PASSES
2. Ht			
AIR DISTRIBUTION SYSTEM		0.86	PASSES
1. Unconditioned Space	0.89	0.77	
1. SYSTEM TYPES USED			
REHEAT SYSTEM is USED			
NO REHEAT EQUIPMENT			
WATER HEATING REQUIREMENTS			
1. EF			
PIPING INSULATION REQUIREMENTS			
1. Non-Circulating			

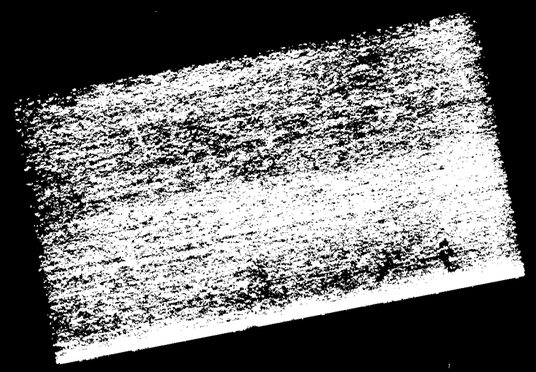
COMPLIANCE CERTIFICATION:

I hereby certify that the Plans and specifications covered by this calculation are in compliance with the Florida Energy Efficiency Code.
PREPARED BY:
DATE:

I hereby certify that this building is in compliance with the Florida Energy Efficiency Code.
OWNER/AGENT:

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Efficiency Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, Florida Statutes.
BUILDING OFFICIAL:
DATE:

DATE:
I hereby certify(*) that the system design is in compliance with the Florida Energy Efficiency Code.
SYSTEM DESIGNER REGISTRATION/STATE
ARCHITECT
MECHANICAL
PLUMBING
ELECTRICAL
LIGHTING
(*) Signature is required where Florida law requires design to be performed by registered design professionals. Typed names and registration numbers may be used where all relevant information is contained on signed/sealed plans.



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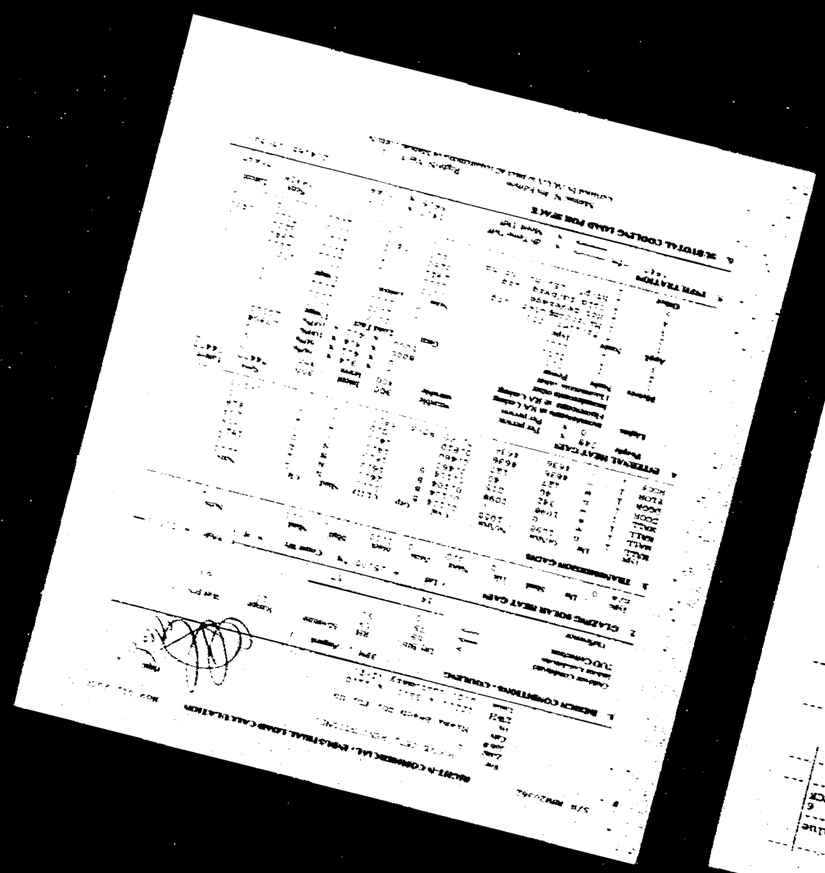

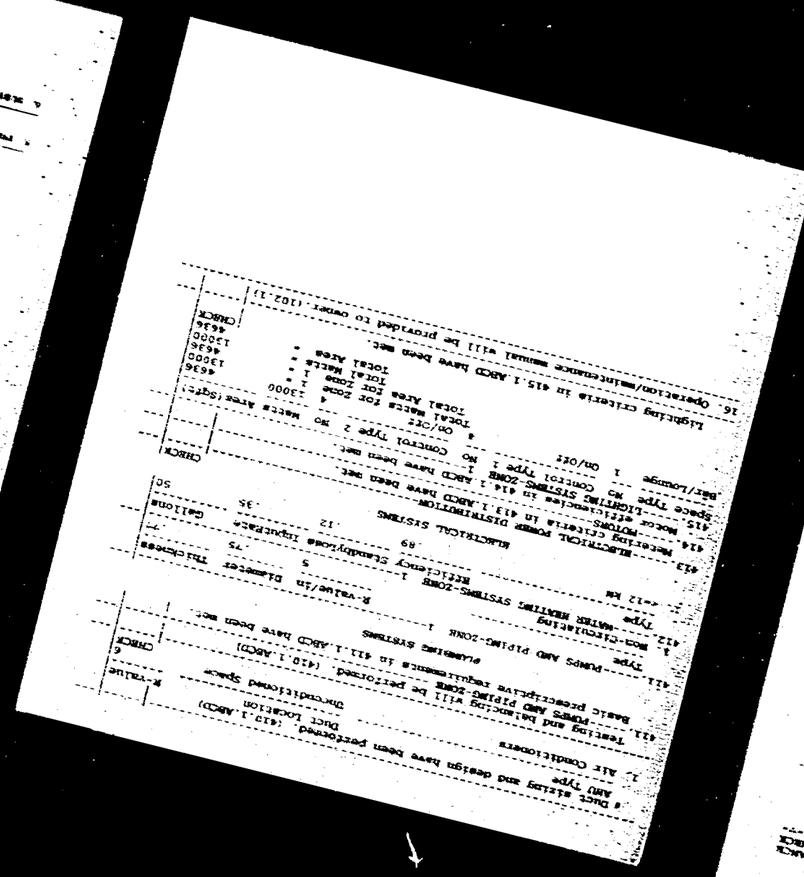

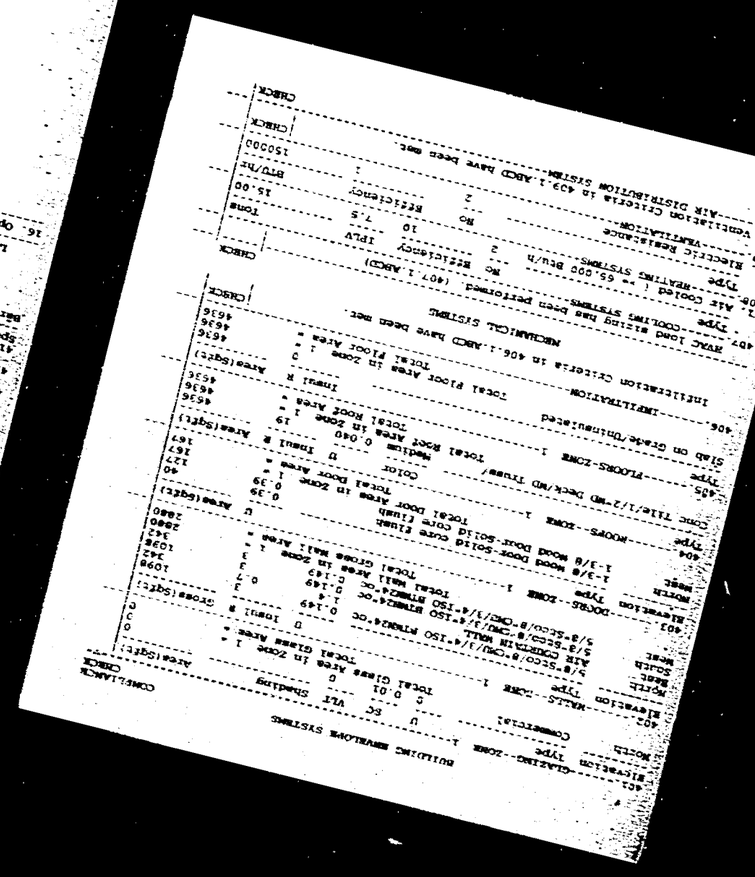

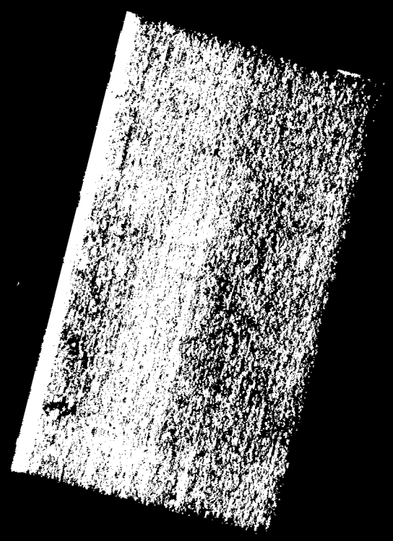

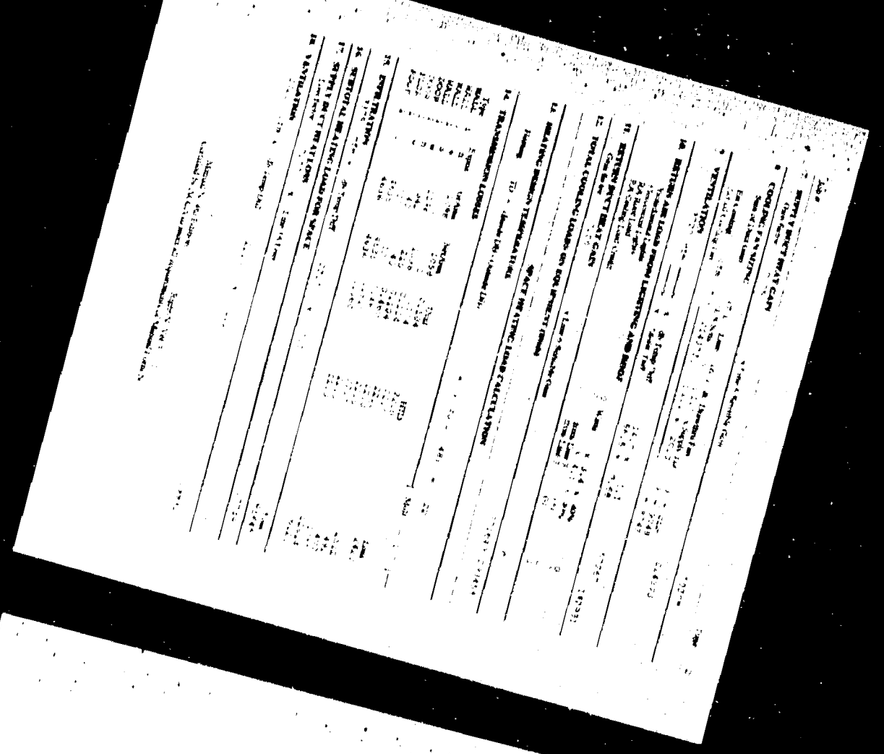

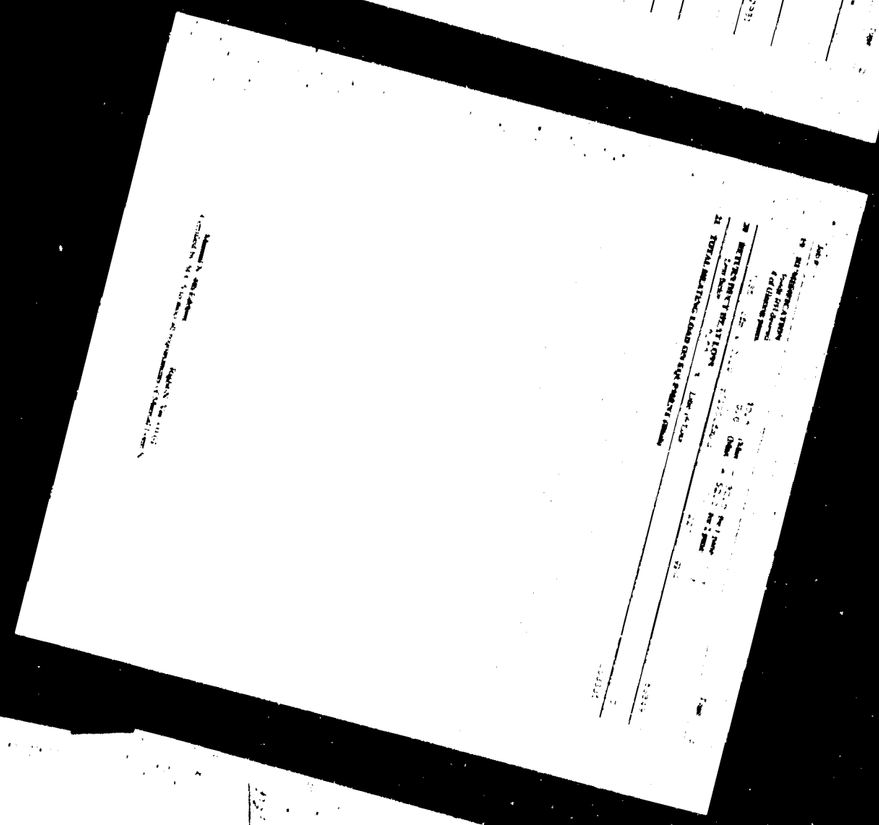

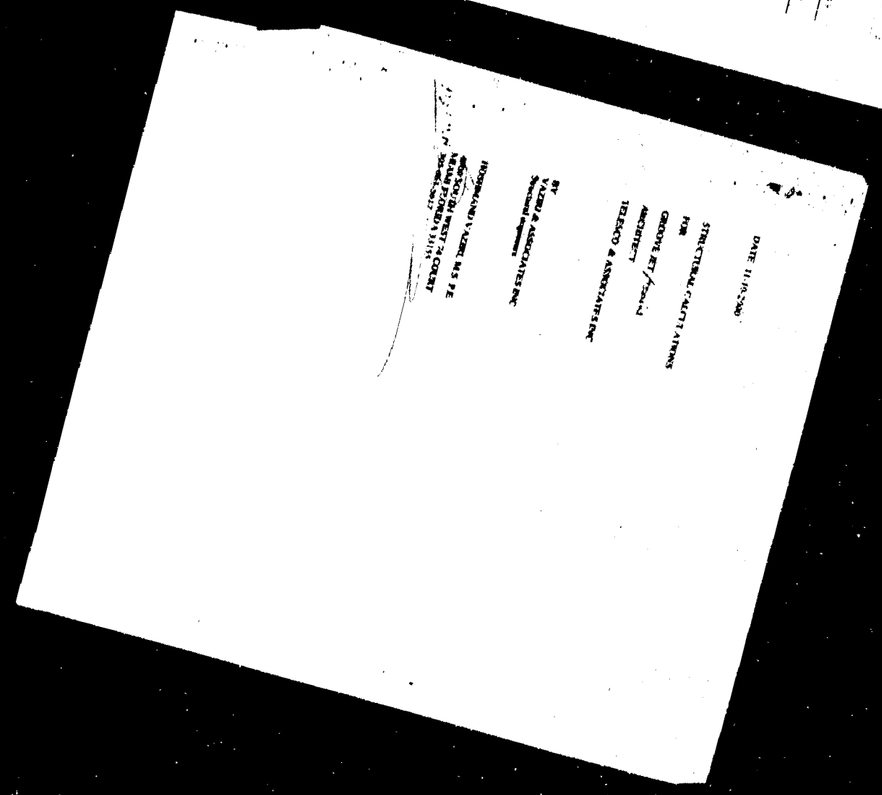

GEOTECHNICAL
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TESTING LABORATORIES
DRILLING SERVICES
INSPECTION SERVICES
ROOFING

DYNATECH ENGINEERING CORP.

Miami, September 27, 2000

Mr. Tom Telesco
TELESCO CONSTRUCTION
9925 East Bay Harbour Drive
Bay Harbour, FL 33154

Re: Proposed Addition @
323- 23rd Street
Miami Beach, FL

Dear Mr. Telesco:

Pursuant to your request, DYNATECH ENGINEERING CORP., completed a Subsoil Investigation on September 26, 2000 for the above referenced project. The purpose of our investigation was to verify the subsoil conditions relative to the proposed addition.

A total of (2) standard penetration boring tests were performed according to ASTM D-1586 down to an average depth of 15' 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 and soil condition):

Depth From	Depth To	Description
0'- 0"	0'- 6"	Tan beach sand
5'- 0"	15'- 0"	Grayish tan beach sand

Groundwater table elevation was measured immediately at the completion of each boring was found at an average depth of 6'- 0" below existing ground surface. Fluctuation in w level should be anticipated due to seasonal variations and run off

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

Page No. 2
323- 23rd Street

Based on our field logs it is our opinion that the existing and proposed structures be designed for a shallow foundation system with a permissible soil bearing pressure not to exceed 3000 P.S.F.

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, condition between the bore test holes. The data from soil boring is for foundation analysis only. It is not to be used for excavating or backfilling estimates and pricing.

It has been a pleasure serving you at this phase of your project and look forward to do so in the near future.

Sincerely yours,

Wissam Nemmeni, P.E.
DYNATECH ENGINEERING CORP.
Florida Reg. No. 39584
Special Inspector No. 757
WN/no

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DYNATECH ENGINEERING CORP.

TEST BORING REPORT

DATE: 09-26-00
HOLE NO.: 1
DRILLER: HC & AL

CLIENT : TELESCO CONSTRUCTION CO.
PROJECT : Proposed Addition @
ADDRESS : 323-23rd Street, Miami Beach, FL
LOCATION : See attached plan

DEPTH	DESCRIPTION OF MATERIALS	SAMPLE NUMBER	NUMBER BLOWS ON SAMPLER	"N"
1	CEMENT	2	-	-
2	0" to 1" : TAN BEACH SAND		6 5	-
3	1" to 6" : GRAYISH BEACH SAND	4	6 7	1
4	6" to 15":		7 7	1
5		6	8 6	
6			5 7	
7		8	-	-
8		10	-	-
9		12	8 11	2
10			11 8	-
11		14	-	-
12		16	-	-
13		18		
14		20		
15		22		
16		24		
17		26		
18		28		
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38				

Water Level: 6'- 0" Below Surface

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PREVIOUS
DOCUMENT
IS
in poor
condition
FC 017

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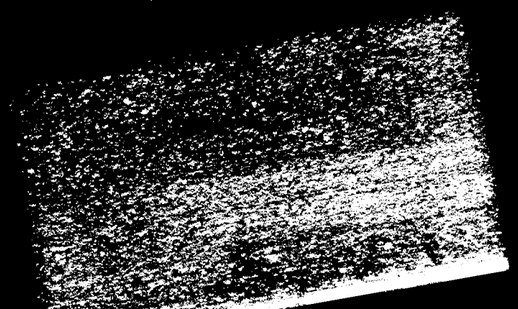

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DYNATECH ENGINEERING CORP.

TEST BORING REPORT

CLIENT : TELESCO CONSTRUCTION CO.
PROJECT : Proposed Addition @
ADDRESS : 323-23rd Street, Miami Beach, FL
LOCATION : See attached plan

DATE: 09-26-00
HOLE NO.: 2
DRILLER: HC & AS

	DESCRIPTION OF MATERIALS		SAMPLE NUMBER	NUMBER BLOWS OF SAMPLER	
1	0" to 1" :	CONCRETE	2	– – 8 6	–
2	1" to 2" :	TAN BEACH SAND	4	6 7 8 9	1[illegible]
3	2" to 2"- 6" :	CONCRETE	6	10 8 5 7	1[illegible]
4	2"- 6" to 7" :	TAN BEACH SAND	8	–	–
5	7" to 15" :	GRAY BEACH SAND	10	–	–
6			12	28 17 14 11	3[illegible]
7			14	–	–
8			16	–	–
9			18		
10			20		
11			22		
12			24		
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Water Level: 6'- 0" Below Surface

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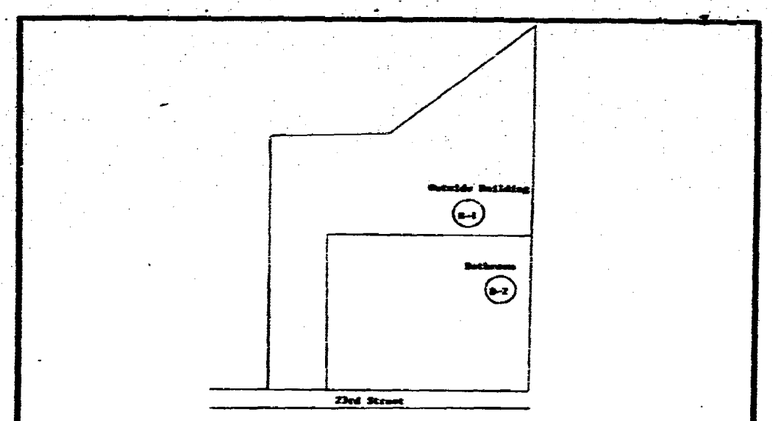

Dynatech Engineering Corp.	
Client: Telesco Construction Co.	Scale: N.T.S.
Project: Proposed Addition @ 323-23rd Street, Miami Beach, FL	Date: 9-26-2000

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DYNATECH ENGINEERING CORP.

Appendix Drilling Procedures

The borings are conducted in accordance with procedures outlined for standard penetration test and split spoon sampling of soils by ASTM D-1586.

A two (2) feet long, two (2) inch O.D. split spoon sampler was driven into the ground by successive blows with a 140 lbs. hammer dropping thirty (30) inches. The soil sampler was driven (2) at a time, then extracted for visual examination and classification of the retained soil samples.

The number of blows required for one (1) foot penetration of the sampler is designated as "N" (known as the Standard Penetration Resistance Value).

The "N" value provides an indication of the relative density of non cohesive soils and the consistency of cohesive soils.

It is general practice that the sum of the number of blows required for the second and third six (6) inches penetration area added to determine the "N" value. Suitable corrections are applied to this number, in order to include the effects of soil overburden pressure and other factors. A general evaluation of soils is made from the established correlation between "N" and the relative density of consistency of soils.

This dynamic method of soil testing has been widely accepted by foundation Engineers and Architects, to conservatively evaluate the bearing capacity of soils.

A continuous drilling and sampling procedure was used. Therefore the samples were taken at intervals of two (2) feet, or at every change in soils characteristics.

Prepared by:

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05

DYNATECH ENGINEERING CORP

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PENSACOLA, FLORIDA 32575-2985
PHONE (850) 626-6410

SOIL CLASSIFICATION AND SYMBOLS

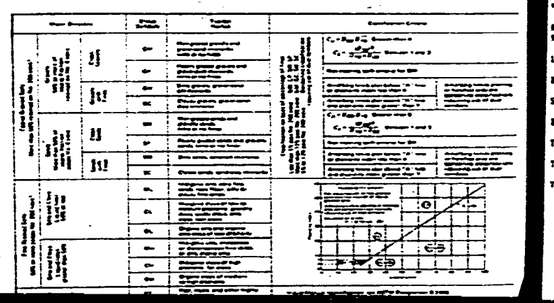
ROCK HARDNESS DESCRIPTION		CORRELATION OF PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY: Cone Penetration Test, Kg/Cm²	Standard Penetration Test, Blows/Ft.	Relative Density
SOFT	Rock core crumbles when hand.ed	0-16	0-4	Very Loose
MEDIUM	Can break core with your hands	17-40	5-10	Loose
		41-80	11-30	Firm
MODERATELY HARD	Thin edges of rock core can be broken with fingers	81-120	31-50	Very Firm
		Over 120	51-90	Dense
				Consistency
HARD	Thin edges of rock core cannot be broken with fingers	0-3	0-2	Very Soft
		4-9	3-4	Soft
VERY HARD	Rock core rings when struck with a hammer (diamond)	SILTS AND CLAYS 10-17	5-8	Firm
		18-31	9-15	Stiff
		32-60	16-30	Very Stiff
		Over 60	31-50	Hard

DENSITIES

Approximate Plasma Content	Modifiers
0% to 12%	Slightly Silty or Slightly clayey
12% to 30%	Silty or Clayey
30% to 50%	Very Silty or Very Clayey

PARTICLE SIZE

Boulder	> 12 in.
Cobble	3 to 12 in.
Gravel	4.75mm to 3 in
Sand	0.074mm to 4.75mm
Silt	0.005mm to 0.074mm
Clay	< 0.005mm



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ANSI/ASCE7: WIND2 - Wind Forces On Buildings as per ASCE7-93
Version 1.1 - 01/12/95 - CS.1
Copyright (C) 1994, 1995 ENGINEERSOFT Inc.
Santa Rosa, FL  32459    (407) 994-4827

Enter RETURN>

Input data filename: A:CHOPPAJET

DATE: 11- 7-1995    TIME: 22:26:42

PROJECT: WIND LOAD CALCULATIONS FOR CHOPPA JET PROJECT

                BUILDING DATA

The building and structure classification category is 1

The structure is    1.5 miles from hurricane oceanline
The importance factor is 1.049

The basic wind speed, in mph, 110.00

The exposure category is C

=== Structure dimensions ===

Mean roof height, (FT.):  15.00
Note: Since theta < 10. eave height is used in computations instead of user input mean roof height.

L (FT.): 115.00

B (FT.):  37.00

Slope of the roof, (DEGREES):     .50

Eave height, (FT.):  15.00

Truss span, (FT.):      37.00

Truss spacing, (FT.):       2.00

Truss overhang, (FT.):       .00
```

```
                OUTPUT

        WALL WIND FORCE RESISTING SYSTEM

Kh  =  1.2197    qh =   27.31

The wall pressure coefficients are:
Windward wall:      .80
Leeward wall:      -.36
Side wall:         -.70

Side wall pressure, (PSF):  -32.86

***** DIRECTION OF WIND PARALLEL TO RIDGE *****

The ROOF pressure coefficients are:
Windward ROOF:    -.65
Windward ROOF(*) :    -.73
Leeward ROOF:     -.36

* SPECIAL CASE:
Where  20> theta >0 and 0.3<a/L <0.5
The windward roof pressure values, including negative and positive internal pressure, (PSF):  -16.82  -32.68

The total horizontal force from the roof, (LBS ):       42.90

The windward roof pressure including negative internal pressure:  -16.67
The windward roof pressure including positive internal pressure:  -30.12
The leeward roof pressure including negative internal pressure:   -18.46
The leeward roof pressure including positive internal pressure:   -32.06


***** DIRECTION OF WIND PARALLEL TO RIDGE *****

The ROOF pressure coefficients are:
Windward ROOF:    -.70
Leeward ROOF:     -.70


The windward roof pressure including negative internal pressure:  -18.46
The windward roof pressure including positive internal pressure:  -32.06
The leeward roof pressure including negative internal pressure:   -18.46
The leeward roof pressure including positive internal pressure:   -32.06
```

```
s and corresponding pressure values are:

 s     qz    PWIND-  PWIND-  PLEEW-  PLEEW-  PTOT=  PLOAD=

15.00  27.31  35.06  22.01   4.00   -9.65  31.66     42.90
15.00  27.31  35.06  22.01   4.00   -9.65  31.66     42.90
14.93  27.31  35.06  22.01   4.00   -9.65  31.66   7214.32
13.86  27.31  35.06  22.01   4.00   -9.65  31.66   2301.89
12.86  27.31  35.06  22.01   4.00   -9.65  31.66   3327.99
11.86  27.31  35.06  22.01   4.00   -9.65  31.66   4728.08
10.86  27.31  35.06  22.01   4.00   -9.65  31.66   3899.67
 9.86  27.31  35.06  22.01   4.00   -9.65  31.66   7971.27
 8.86  27.31  35.06  22.01   4.00   -9.65  31.66   9297.86
 7.86  27.31  35.06  22.01   4.00   -9.65  31.66   9414.06
 6.86  27.31  35.06  22.01   4.00   -9.65  31.66  19585.65
 5.86  27.31  35.06  22.01   4.00   -9.65  31.66  11726.84
 4.86  27.31  35.06  22.01   4.00   -9.65  31.66   1258.24
 3.86  27.31  35.06  22.01   4.00   -9.65  31.66  16999.63
 2.86  27.31  35.06  22.01   4.00   -9.65  31.66  13271.82
 1.86  27.31  35.06  22.01   4.00   -9.65  31.66  16442.62
   .86  27.31  35.06  22.01   4.00   -9.65  31.66  17613.81

* WPPS: PLOAD includes horizontal component of roof load.

UPLIFT REACTION FOR DESIGN OF TRUSS ANCHORAGE

The maximum uplift pressure on the roof, (PSF) :     32.68

The uplift reaction at each end, of the truss  (LBS ):     1282.13
```


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```
**********
 COMPONENTS AND CLADDING
**********

e length, a, in feet :   3.78

e (PSF.) :   27.36

ALL COMPONENTS/CLADDING **********

ENT/CLADDING # 1

ressures are based on a tributary area of   10.00 sq.ft.

e GCPs with positive and negative internal pressures are:     .91   1.41
e GCPs with positive and negative internal pressures are:   -1.77  -1.27
ssible wall pressures are. (PSF) :     24.81     38.51    -48.23   -34.38

e GCPs with positive and negative internal pressures are:     .91   1.41
e GCPs with positive and negative internal pressures are:   -1.32  -1.02
ssible wall pressures are. (PSF) :     24.81     38.51    -41.42   -27.75

ENT/CLADDING # 2

ressures are based on a tributary area of   70.00 sq.ft.

e GCPs with positive and negative internal pressures are:     .83   1.43
e GCPs with positive and negative internal pressures are:   -1.02  -1.32
ssible wall pressures are. (PSF) :     25.00     39.06    -40.63   -36.00

e GCPs with positive and negative internal pressures are:     .83   1.43
e GCPs with positive and negative internal pressures are:   -1.31  -1.05
ssible wall pressures are. (PSF) :     25.48     39.06    -42.38   -26.62

ENT/CLADDING # 3

ressures are based on a tributary area of   75.00 sq.ft.

e GCPs with positive and negative internal pressures are:     .83   1.43
e GCPs with positive and negative internal pressures are:   -1.06  -1.30
```

```
The four possible wall pressures are. (PSF) :     25.26     38.92    -40.30   -35.60

Zone 4 :

The positive GCPs with positive and negative internal pressures are:     .83   1.43
The negative GCPs with positive and negative internal pressures are:   -1.54  -1.08
The four possible wall pressures are. (PSF) :     25.00     38.92    -42.06   -28.00

WALL COMPONENT/CLADDING # 4

The wall pressures are based on a tributary area of   20.00 sq.ft.

Zone 5

The positive GCPs with positive and negative internal pressures are:     .83   1.55
The negative GCPs with positive and negative internal pressures are:   -2.07  -1.57
The four possible wall pressures are. (PSF) :     30.00     42.33    -56.54   -42.00

Zone 6

The positive GCPs with positive and negative internal pressures are:     .83   1.55
The negative GCPs with positive and negative internal pressures are:   -1.65  -1.15
The four possible wall pressures are. (PSF) :     30.00     42.33    -45.09   -31.41

WALL COMPONENT/CLADDING # 5

The wall pressures are based on a tributary area of   15.00 sq.ft.

Zone 3

The positive GCPs with positive and negative internal pressures are:     1.10   1.60
The negative GCPs with positive and negative internal pressures are:   -2.16  -1.86
The four possible wall pressures are. (PSF) :     30.94     43.79    -58.90   -45.34

Zone 4

The positive GCPs with positive and negative internal pressures are:     1.10   1.60
The negative GCPs with positive and negative internal pressures are:   -1.70  -1.30
The four possible wall pressures are. (PSF) :     30.94     43.79    -46.63   -32.77

********** ROOF COMPONENTS/CLADDING **********

NO INPUT FOR 40ft OF ROOF COMPONENTS/CLADDING IN THIS RUN

End of RUN#7:  COPYRIGHT 1994 INTERSOFT INC.
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      ********INTERSOFT INC.

RUN DATE IS 17-07-1998
RUN TIME IS 21:34:45

          9
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INTERSOFT, HOUSE - Wind Forces On Buildings as per ASCE7-95
Version 1.1 - 01/12/95 - C5.1
Copyright (C) 1994, INTERSOFT Inc..
Penn Haven, PA  19432

          6
User 09508*4


Input data filename: a:groovejet

DATE: 06-19-1998    TIME: 14:46: 2


PROJECT: WIND LOAD CALCULATIONS FOR GROOVE JET PROJECT

**********
  INPUT DATA
**********

The building and structure classification category is 1

The structure is    1.5 miles from hurricane oceanline.
The importance factor is 1.049

The basic wind speed. in mph: 110.00

The exposure category is C

*** Structure dimensions ***

Mean roof height. (FT.):  15.00
Note: Since theta < 10. mean height is used in computations instead of user input mean roof height

L (FT ): 115.00

B (FT.):  37.00

Slope of the roof. (RISE/RUN):    .50

Eave height. (FT ):   15.00

Truss span. (FT ):      37.00

Truss spacing.  (FT ):       2.00

Truss overhang. (FT ):        .00
```


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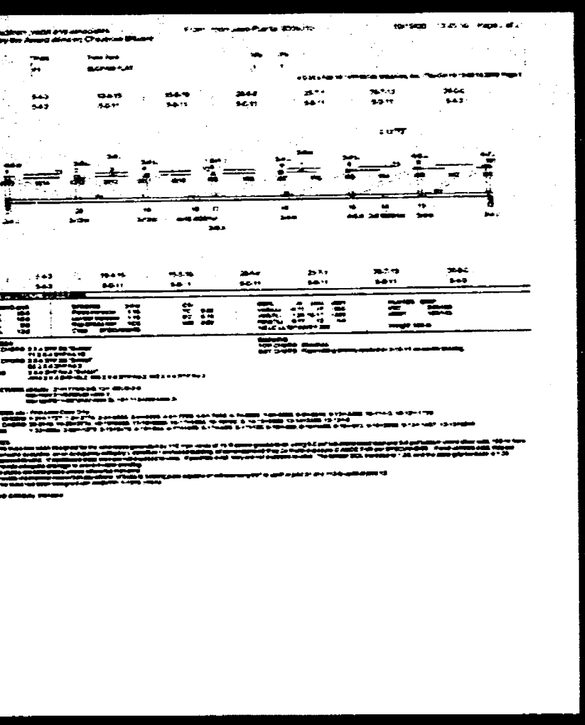
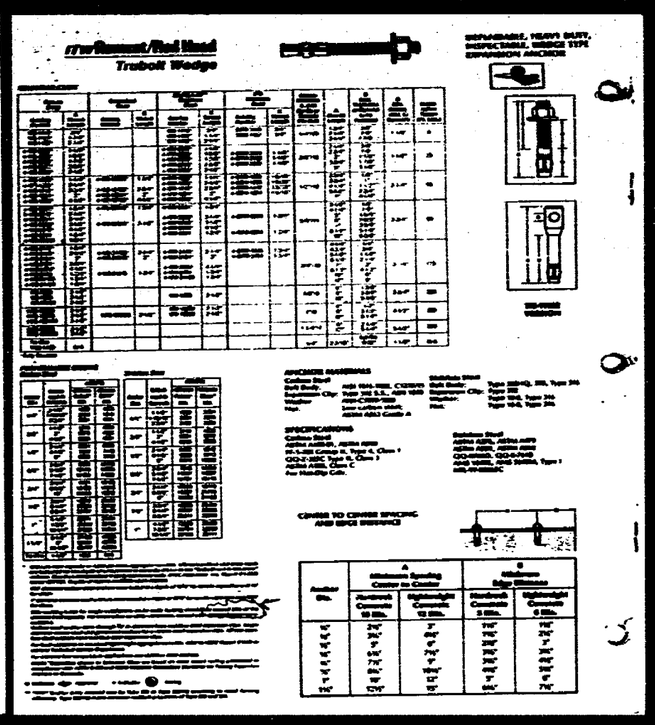
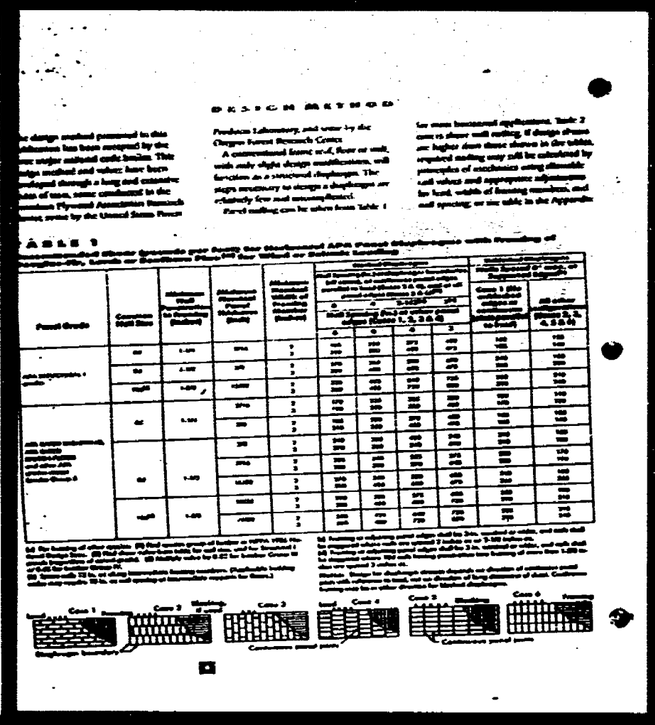
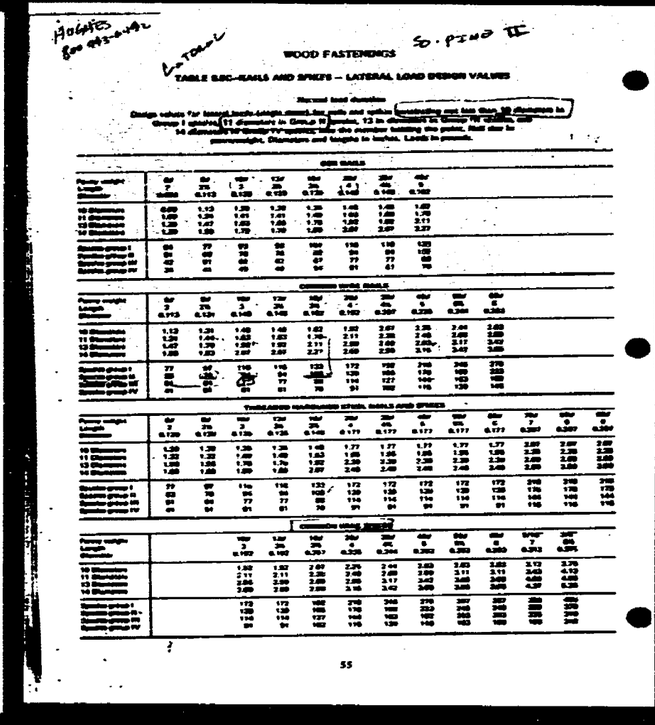
SO




Trubolt Wedge


DESIGN METHOD


WOOD FASTENINGS
TABLE 8.8C—NAILS AND SPIKES — LATERAL LOAD DESIGN VALUES
55

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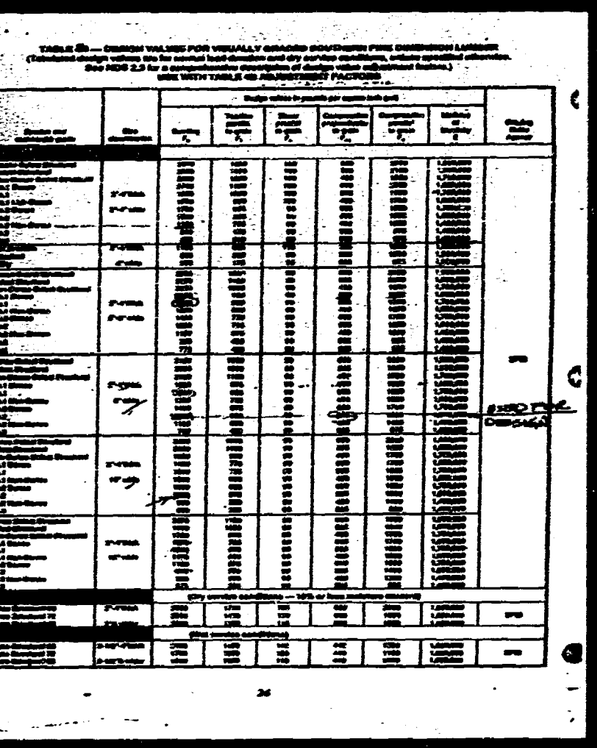


center member. For any intermediate thickness of side members, the increase in design value shall be determined by straight-line interpolation. The provisions in 8.8.5.1 on penetration apply to the center member in a three-member joint.

8.8.5.3 For nails or spikes in double shear with side members at least 2/3 the main member thickness, the design value may be doubled for nails not exceeding 1/4 in. in size when the nail extends at least three diameters beyond the side member and is clinched, except threaded, hardened steel nails need not be clinched.

8.8.5.4 Where properly designed metal side plates are used, the design values given in 8.8.5.1 may be increased 25 percent.

8.8.5.5 For nails and spikes used in a diaphragm constructed for lateral load design values, adjusted or provided in 8.8.2, may be increased 30 percent.

8.8.5.6 When connected members are made of species from different dowmod species groups, the design value shall be based on the higher numbered species group in Table 8.1A.

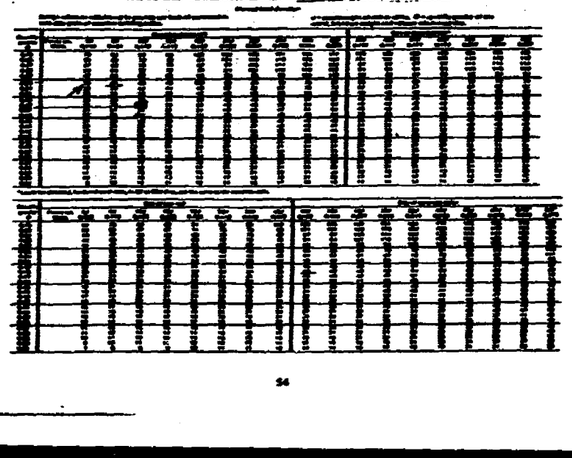
8.8.6—Lateral Resistance in End Grain

The design value in lateral resistance for a nail or spike driven in the end grain (parallel to fibers) shall be zero (0) of that given in 8.8.5.1.

8.8.7—Toe-Nails

8.8.7.1 Design values in withdrawal for toe-nailed joints, for all conditions of construction, shall not exceed two-thirds of the withdrawal design values given in Table 8.8C. These values shall not be further reduced for conditions of wetted or moist conditions, but are subject to all other adjustment factors.

8.8.7.2 The design value in lateral load for a



05

RAIN

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TELESCO ASSOCIATES
282 95TH STREET, SUITE 203
SURFSIDE, FL 33154
TEL 305 866 1214
FAX 305 866 3317
LICENSE # AA 2601

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

PROJECT No 00-80
DRAWN BY TT
DATE 07'00
REVISIONS

Index of Drawings

I-1

DRAWING No. 1 OF 22

05

GENERAL NOTES

DEFINITION

1.0 The Contractor is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The term "Contractor" means the Contractor or the Contractor's authorized representative.

REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS BY CONTRACTOR

2.0 The Contractor shall carefully study and compare the Contract Documents with each other and with information furnished by the Owner and shall at once report to the Architect errors, inconsistencies or omissions discovered prior to submitting his bid. If the Contractor performs any construction activity involving an error, inconsistency or omission in the Contract Documents without such notice to the Architect, the Contractor shall assume appropriate amount of the attributable costs for correction.

3.0 The Contractor shall take field measurements and verify field conditions and shall carefully compare such field measurements and conditions and other information known to the Contractor with the Contract Documents before commencing activities. Errors, inconsistencies or omissions discovered shall be reported to the architect at once. The Contractor shall issue full A/E sets of drawings to all trades bidding or the project.

4.0 Contractor shall verify equipment size/voltage location and all hookup requirements with equipment suppliers and shall make field adjustments as required to comply with equipment supplier and all codes, and shall report such changes at once to the Architect.

5.0 The Contractor shall perform the Work in accordance with the Contract Documents and submittals approved through shop drawings, product data, and samples.

6.0 For locating and size data, existing conditions, building structure, etc., refer to original Architectural drawings prepared by the following project architectural firm:

7.0 Contractor shall comply with all requirements of the Landlord and its agents and shall indemnify the Owner in any costs resulting from actions of the Contractor or his agents.

SUPERVISION AND CONSTRUCTION PROCEDURES

8.0 The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work under the Contract, unless Contract Documents give other specific instructions concerning these matters.

9.0 The Contractor shall be responsible to the Owner for acts and omissions of the Contractor's employees, Subcontractors and their agents and employees, and other persons performing portions of the Work under a contract with the Contractor.

10.0 The Contractor shall not be relieved of obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Architect in the Architect's administration of the Contract, or by tests, inspections or approvals required or performed by persons other than the Contractor.

11.0 The Contractor shall be responsible for inspection of portions of Work already performed under the Contract to determine that such portions are in proper condition to receive subsequent Work.

LABOR AND MATERIALS

12.0 Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

13.0 The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Contract. The Contractor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them.

14.0 All materials furnished on the job site shall be new and stored in such a manner as to protect them from the elements. All work shall be done in strict accordance with the best practices of the construction trade, and must be performed in a professional and workmanlike manner. Any work completed in a non-professional manner shall be rejected and must be redone by the Contractor at no extra cost. These Drawings are instruments of construction and remain the property of the Architect. Any reproduction of said drawings without the expressed written consent of the Architect is prohibited. Do not scale these drawings as written dimensions and test specifications on these sheets shall govern.

15.0 The Contractor must provide and install materials as required to construct temporary facilities and code required fire ratings shall be the standard for these temporary facilities and protection.

WARRANTY

16.0 The Contractor warrants to the Owner and Architect that materials and equipment furnished under the Contract will be of good quality and new unless otherwise required or permitted by the Contract Documents, that the Work will be free from defects not inherent in the quality required or permitted, and that the Work will conform with the requirements of the Contract Documents. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective. The Contractor's warranty shall not apply for damage or defect caused by abuse, modifications not executed by the Contractor, improperly or insufficient maintenance, improper operation, or normal wear and tear under normal usage. If required by the Architect, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

TAXES

17.0 The Contractor shall pay sales, consumer, use and similar taxes for the Work or portions thereof provided by the contractor which are legally enacted when bids are received or negotiations are concluded, whether or not such taxes are in effect or merely scheduled to go into effect.

PERMITS, FEES AND NOTICES

18.0 Unless otherwise provided in the Contract Documents the Contractor shall secure and pay for all required building permits and other governing agencies permits and governmental fees, licenses and inspections necessary for proper execution and completion of the Work which are customarily secured after execution of the Contract and which are legally required, when bids are received or negotiations concluded. This will be done before commencing work.

19.0 The Contractor shall comply with and give notices required by laws, ordinances, rules, regulations and lawful orders of public authorities bearing on performance of the Work.

20.0 If the Contractor observes that portions of the Contract Documents are at variance therewith, the Contractor shall promptly notify the Architect and Owner in writing, and necessary changes shall be accomplished by appropriate Modifications.

21.0 If the Contractor performs Work knowing it to be contrary to laws, statutes, ordinances, building codes, and rules and regulations without such notice to the Architect and Owner, the Contractor shall assume full responsibility for such Work and shall bear the attributable costs.

22.0 All work shall conform with the latest requirements of the South Florida Building Code, National Electric Code, National Fire Protection Association, OSHA, and all other codes having control over the project.

23.0 All work performed under this contract shall comply with National, State, and Local codes having jurisdiction and with the requirements of the utility companies whose services shall be used. All modifications required by these codes shall be made by the contractor without any additional charge as the contractor has agreed that they have raised any and all questions related to the authorities requirements.

24.0 Coordinate all new electrical services with existing service and panels and with Florida Power and Light Company. Verify location of sanitary and water mains before construction is started. Contractor shall field verify all utility conditions prior to beginning construction and shall notify the Architect immediately if any discrepancies occur.

25.0 Refer all soil bearings to soil engineer/laboratory (95% modified proctor, ASTM D-1557. Compaction to be verified by soil engineer/laboratory in writing.

26.0 Refer to structural engineer for all structural details.

27.0 The contractor, where required, shall provide all necessary framing and bracing above the finished ceiling and within walls. All anchorage through the ceiling must be carried to the structure above.

28.0 The contractor shall be responsible for all temporary utilities, connection, and payment of all utility charges incurred during construction.

ALLOWANCES

29.0 The Contractor shall include in the Contract Sum all allowances stated in the Contract Documents. Items covered by allowances shall be supplied for such amounts and by such persons or entities as the Owner may direct, but the Contractor shall not be required to employ persons or entities against which the Contractor has made reasonable objection to.

30.0 Unless otherwise provided in the Contract Documents:

1. materials and equipment under an allowance shall be selected promptly by the Owner to avoid delay in the Work.

2. allowances shall cover the cost to the Contractor of materials and equipment delivered at the site and all required taxes, less applicable trade discounts.

3. contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit and other expenses contemplated for stated allowance amounts shall be included in the Contract Sum and not in the allowance.

4. whenever costs are more than or less than allowances the Contract Sum shall be adjusted accordingly by Change Order.

SUPERINTENDENT

31.0 The Contractor shall employ a competent superintendent and necessary assistants who shall be in attendance at the Project site during performance of the Work. The superintendent shall be as binding as if given to the Contractor. Important communications shall be confirmed in writing. Other communications shall be similarly confirmed by written request in each case.

CONTRACTOR'S CONSTRUCTION SCHEDULES

32.0 The Contractor, promptly after being awarded the Contract, shall prepare and submit for the Owner's and Architect's information a Contractor's construction schedule for the Work. The schedule shall not exceed time limits current under the Contract Documents, shall be revised at appropriate intervals as required by the conditions of the Work and Project, shall be related to the entire Project to the extent required by the Contract Documents, and shall provide for expeditious and practicable execution of the Work.

33.0 The Contractor shall prepare and keep current, for the Architect's approval, a schedule of submittal which is coordinated with the Contractor's construction schedule and allows the Architect reasonable time to review submittal.

34.0 The Contractor shall confirm the most recent schedules.

DOCUMENTS AND SAMPLES AT THE SITE

35.0 The Contractor shall maintain at the site for the Owner one record copy of the Drawings, Specifications, Addenda, Change Orders and other Modifications, in good order and marked. These shall be available to the Architect and shall be delivered to the Architect for submittal to the Owner upon completion of the Work.

SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

36.0 Shop Drawings are drawings, diagrams, schedules and other data specially prepared for the Work by the Contractor or a Subcontractor, manufacturer, supplier or distributor to illustrate some portions of the Work.

37.0 Product Data are illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

38.0 Samples are physical examples which illustrate materials, equipment or workmanship and establish standards by which the Work will be judged.

39.0 Shop Drawings, Product Data, Samples and similar submittal are not Contract Documents. The purpose of their submittal is to demonstrate for those portions of the Work for which submittal are required the way the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents.

40.0 The Contractor shall review, approve and submit to the Architect Shop Drawings, Product Data, Samples and similar submittal in legible triplicate required by the Contract Documents with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the Owner or of separate contractors. Submittals made by the contractor which are not required by the Contract Documents may be returned without action.

41.0 The Contractor shall perform no portions of the Work requiring submittal and review of Shop Drawings, Product Data, Samples or similar submittal until the respective submittal has been approved by the Architect. Such Work shall be in accordance with approved submittal.

42.0 By approving and submitting Shop Drawings, Product Data, Samples and similar submittal, the Contractor represents that the Contractor has determined and verified materials, field measurements and field construction criteria related thereto, or will do so, and has checked and coordinated the information contained within such submittal with the requirements of the Work and of the Contract Documents.

43.0 The Contractor shall not be relieved of responsibility for deviations from requirements of the Contract Documents by the Architect's approval of Shop Drawings, Product Data, Samples or similar submittals unless the Contractor has specifically informed the Architect in writing of such deviation at the time of the submittals and the Architect has given written approval to the specified deviation. The Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples or similar submittal by the Architect's approval thereof.

44.0 The Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, Product Data, Samples or similar submittals, to revisions other than those requested by the Architect on previous submittals.

45.0 Informational submittals upon which the Architect is not expected to take responsive actions may be so identified in the Contract Documents.

46.0 When professional certification of performance criteria of materials, systems or equipment is required by the Contract Documents, the Architect shall be entitled to rely upon the accuracy and completeness of such calculations and certifications.

USE OF SITE

47.0 The Contractor shall confine operations at the site to areas permitted by law, ordinances, permits and the Contract Documents and shall not unreasonably encumber the site with materials or equipment.

CUTTING AND PATCHING

48.0 The Contractor shall be responsible for cutting, fitting or patching required to complete the Work or to make its parts fit together properly.

49.0 The Contractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or separate contractors by cutting, patching or otherwise altering such construction, or by excavation. The Contractor shall not cut or otherwise alter such construction by the Owner or a separate contractor except with written consent of the Owner and of such separate contractor; such consent shall not be unreasonably withheld. The Contractor shall not unreasonably withhold from the Owner or a separate contractor the Contractor's consent to cutting or otherwise altering the Work.

CLEANING UP

50.0 The Contractor shall keep the premises and surroundings area free from accumulation of waste materials or rubbish caused by operations daily under the contract. At completion of the Work the Contractor shall remove from and about the Project waste materials, rubbish, the Contractor's tools, construction equipment, machinery and surplus materials.

51.0 The Contractor shall be responsible for all protection of outside work with respect to adjacent properties, such that no trash, dust or other fine particulate matters will encroach on said adjacent properties. Any costs associated with such protection will be borne by the Contractor.

52.0 The Contractor hall present the building owner for acceptance, clean and ready for occupancy. All glass shall be clean and polished. Floors swept broom clean, carpets vacuumed, fixtures washed with all labels removed and exterior are free from trash and debris.

53.0 If the contractor fails to clean up as provided in the Contract Documents, the Owner may do so and the cost thereof shall be charged to the Contractor.

ACCESS TO WORK

54.0 The Contractor shall provide the Owner and Architect access to the Work in preparation and progress wherever located.

ROYALTIES AND PATENTS

55.0 The Contractor shall pay all royalties and license fees. The Contractor shall defend suits or claims for infringement of patent rights and shall hold the Owner and Architect harmless from loss on account thereof, but shall not be responsible for such defense or loss when a particular design, process or product of a particular manufacturer or manufacturers is required by the Contract Documents. However, if the Contractor has reason to believe that the required design, process or product is an infringement of a patent, the Contractor shall be responsible for such loss unless such information is promptly furnished to the Architect.

FOR BUILDING PERMIT
DATE OF DIRECTOR APPROVAL
BUILDING PERMIT
AFTER:
HISTORIC PRESERVATION

INDEMNIFICATION

56.0 To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner, Architect, Architect's consultants, and agents and employees of any of them from and against claim, damages, losses and expenses, including but not limited to attorney's fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) including loss of use resulting therefrom, but only to the extent caused in whole or in part by negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such a claim, damage, loss or expense is caused in part by a party indemnified here under. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity which would otherwise exist.

57.0 In claims against any person or entity indemnified herewith by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation shall not be limited by a limitation on amount or type of damages, compensation or benefits payable by or for the Contractor or Subcontractor under workers' or workmans' compensation acts, disability benefits acts or other employee benefit acts.

58.0 The obligations of the Contractor shall not extend to the liability of the Architect, the Architect's consultants, and agents and employees of any of them arising out of (1) the preparation of approval of maps, drawings, opinions, reports, surveys, Change Orders, design or specification, or (2) the giving of or failure to give directions or instructions by the Architect, the Architect's consultants, and agents and employees of any of them provided such giving or failure to give is the primary cause of the injury or damage.

59.0 Written dimensions govern; the Contractor shall not scale drawings.

60.0 The General Contractor must submit full sets of bid documents to all trades. Therefore all bids must include all shown information on the Contract Documents.

61.0 The Standard Form of Agreement between Owner and Contractor (A.I.A.) Document A-101 of the American Institute of Architects, 1987 Edition, shall apply to all work executed under this agreement, together with the General and Supplementary Conditions of the Contract for Construction (A.I.A.) Doc. A201 and A201/SC of the American Institute of Architects, Thirteenth Edition.

INFORMATION AND SERVICES REQUIRED OF THE OWNER

62.0 The Owner is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The term "Owner" means the Owner or Owner's authorized representative.

63.0 The Owner upon reasonable written request shall furnish to the Contractor in writing information which is necessary and relevant for the Contractor to evaluate, give notice of or enforce mechanic's lien rights. Such information shall include a correct statement of the record legal title to property on which the Project is located, usually referred to as the site, and the Owner's interests therein at the time of execution of the Agreement and within ten days after any change. Information of such change in title, recorded or unrecorded.

64.0 The Owner shall furnish surveys describing physical characteristics, legal limitation and utility locations for the site of the Project, and a legal description of the site.

65.0 Except for permits and fees which are the responsibility of the Contractor under the Contract Documents, the Owner shall secure and pay for necessary approvals, easements, assessments and charges required for construction, use or occupancy of permanent structures or for permanent changes in existing facilities.

66.0 Information or services under the Owner's control shall be furnished by the Owner with reasonable promptness to avoid delay in orderly progress of the Work. SUBMITTER

67.0 Unless otherwise provided in the Contract Documents, the Contractor will be furnished, free of charge, up to five copies of Drawings and Project Manuals as are reasonably necessary for execution of the Work.

68.0 The foregoing are in addition to other duties and responsibilities of the Owner enumerated herein and especially those in respect to Special Conditions.

OWNER'S RIGHTS TO STOP THE WORK

69.0 If the Contractor fails to correct Work which is not in accordance with the requirements of the Contract Documents or persistently fails to carry out work and act in accordance with the Contract Documents, the Owner by written order signed personally or by an agent specifically so empowered by the Owner in writing, may order the Contractor to stop the Work, or any portion thereof, until the cause of such order has been eliminated; however, the right of the Owner to stop Work shall not give rise to a duty on the part of the Owner to exercise the right for the benefit of the Contractor or any other person or entity.

OWNER'S RIGHT TO CARRY OUT THE WORK

70.0 If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a seven day period after receipt of written notice from the Owner to commence and continue correction of such default or neglect with diligence and promptness, the Owner may after such seven day period give the Contractor a second written notice to correct such deficiencies within a second seven day period. If the Contractor within such second seven day period after receipt of such second notice fails to commence and continue to correct any deficiencies, the Owner may, without prejudice to other remedies the Owner may have, correct such deficiencies. In such case an appropriate Change Order shall be issued deducting from payments then or thereafter due the Contractor the cost of correcting such deficiencies, including compensation for the Architect's additional services and expenses made necessary by such default, neglect or failure. Such action by the Owner and amounts charged to the Contractor are both subject to prior approval of the Architect. If payments then or thereafter due the Contractor are not sufficient to cover such amounts the Contractor shall pay the difference to the Owner.

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RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

OFFICE COPY
MIAMI BEACH
BY

PROJECT No. 00-50
DRAWN BY TT
DATE 07.00
REVISIONS

General Notes

GN-1

DRAWING No. 2 OF 22

05

STRUCTURAL NOTES

1. CONCRETE

A. All concrete shall be regular weight and shall obtain compressive strength of 3000 PSI in 28 days.

B. Concrete Clear Cover:

Columns	1.50" to stirrups (U.O.N.)
Beams	1.50" to stirrups (U.O.N.)
Grade Beams	3.00" to stirrups (U.O.N.)
Slabs & Walls not exposed to the weather	0.75"
Slabs & Walls exposed to the weather	1.50"
Foundations	3.00"
Columns exposed to soil	2.00"

2. REINFORCING STEEL

A. All reinforcing steel to be of new billet steel conforming to the latest A.S.T.M. A615 grade 60 specifications. Fabricated in accordance with manual of standard practice of the C.R.S.I. and placed in accordance with A.C.I. 315 A.C.I. manual of standard practice and the local code.

B. Shop drawings shall be prepared in accordance with A.C.I. 315-65, and be submitted to engineer for approval prior to fabrication.

C. Provide dowels from foundations (grade beams to match reinforcing above.

3. STRUCTURAL STEEL

A. All structural steel to be ASTM-36 designation having minimum yield point of 36,000 PSI unless otherwise noted. All structural tube steel to be with minimum yield point of 46,000 PSI.

B. All the fabrication and erection of structural steel shall be in accordance with the A.I.S.C. specifications, and S.F.B.C. Chapter 28.

C. All connections of steel to steel shall be in accordance with A.I.S.C. specifications and to be welded unless otherwise shown. Steel fabricator, to be responsible for proper erection of structural steel (erection bolts)

D. All structural steel shall have one shop coat of rust inhibitive paint zinc or equivalent. All exterior steel will be factory hot dipped galvanized (U.O.N.)

E. All anchor bolts to be A-325 unless otherwise noted

F. All welding shall conform to section 4 of the A.I.S. and section 1.23.6 specification for fabrication of structural steel. All welds shall be performed by Florida Certified welders and inspected and certified by the erector. Certification shall be submitted to the architect/engineer. All welding electrodes shall conform to the E70XX electrodes. Welds shall have one coat of rust inhibitive paint.

G. Shop drawings shall be submitted to engineer for approval prior to fabrication.

4. MASONRY

A. All masonry will conform to S.F.B.C. Chapter 21 and other applicable codes.

B. Concrete masonry units shall have a nominal thickness of 8" (two cells) 8" x 8" x 16" and shall conform to ASTM C-90. The 7-day strength shall be not less than 1,200 PSI.

C. Mortar shall conform to ASTM C-270 type S with compressive strength of not less than 1,800 PSI.

D. #9 Dur-O-Wall shall be provided at every second course unless otherwise noted. Where concrete columns are cast before masonry are laid, dovetail slot with anchors. DOVETAIL 8" O.C. shall be provided. Cells adjacent to opening and free ends of wall and reinforced cells shall be filled with grout which shall be Pea Rock concrete with a compressive strength of 28 days of not less than 3000 PSI. Grout shall be placed in maximum lifts of 4'-0", allow 30 to 40 minutes between lifts. Hold top grout 1.5" below last course of block for that lift. Mechanical vibrator is required.

E. Masonry shall be laid up per running bond method

5. WOOD

A. All wood work will conform to chapter 23 of the South Florida Building Code and other applicable codes

B. All wood members shall have a maximum moisture content of 19% and be identified with the construction grade

C. Studs: Southern pine standard

D. Beams and Joists: Southern Pine No. 1 (U.O.N.)

E=1,700,000 P.S.I.	Wet use
Fb=1,300 P.S.I.	Wet use
Fv=90 P.S.I.	Wet use

E. Wood Trusses: Per wood truss company's requirements.

F. Roofing: Per South Florida Building Code, the S.B.C. Code and manufacturer's published criteria (U.O.N.)

G. Wood Joists: By wood joist company

E=2,000,000	Fb:	Wet use
Fb=2,800	Fv:	Wet use
Fv=285	PSI:	Wet use

H. Wood joist company and wood truss company shall provide all connections, and bracings which are not specified on the drawings.

7. SAFETY

A. The General Contractor and various consultants retained by the General Contractor and subcontractors, are responsible for compliance with the safety requirements of all local, state and federal laws. The Architect/Engineer shall not be responsible for construction means, methods, techniques or procedures, or the safety precautions incident thereto.

B. Provide all required shoring and bracing and other required methods to ensure safety and proper execution of work.

C. The design, erection and removal of formwork, including shoring and reshoring shall meet the specifications of A.C.I. -301 and recommendations of A.C.I.-347, latest editions.

8. FOUNDATIONS

Footing shall bear on soil having bearing capacity of 1500 PSI according to the recommendations and specifications of the "Intercounty Laboratories Inc." or equal report.

PLUMBING NOTES

1. Contractor shall furnish all labor, materials and equipment shown or indicated for a complete plumbing system in accordance with these drawings and with the South Florida Building Code.

2. Materials shall conform to the standards prescribed in the South Florida Building Code. When required, plumbing contractor shall obtain approval prior to installation.

A. All sanitary waste and vent piping and fittings within the building shall be service weight cast iron, schedule 40 plastic or PVC, copper or galvanized steel pipe. Piping in exposed area, such as lavatory P-traps, shall be chrome-plated stainless steel.

B. All air conditioning condensate piping and fitting shall PVC or DWV (ASTM-D 2662). Provide flexible isolation at cooling source and at each floor main lines.

C. Hot and cold water piping lines shall be copper (ASTM B088) using type "L" for underground. Type "D" hard copper with wrought copper sweat fittings. Provide dielectric couplings, as required for connection to different materials and shut off valves at fixtures and equipment requiring water supply. Joints will have lead free solder and be made with paste flux and mechanically cleaned before soldering. Provide flexible isolation between pumps and main lines.

D. Insulate for noise and condensation all hot water lines with 1/2" minimum fiberglass with self sealing universal jacket. Piping shall be insulated in all critical and common areas, as to prevent the possible occurance of structure-borne or other noise and damaging condensation. All pipes will have insulation inside the hangers, supports in order to prevent noise transference to structure.

E. Plumbing fixtures American Standard, Kohler, Crane or equal.

F. Floor and roof drains Josam or equal, and will be Dade County approved.

G. Electrical water heaters, glass liners, 5 years guarantee A.O.Smith or equal.

H. Valves 150 PSI Nibco Scott or equal. Contractor to provide gate or ball valves for piping 2" and smaller.

I. Hose Bibbs Chicago #52 or equal (key operated).

J. All exposed piping at fixtures and equipment shall be chrome plated. Provide chrome-plated escutcheons as required.

K. Provide pitch pans and lead flashing, as required at all roof penetrations to roofing contractor.

L. Provide hangers, anchors and inserts where required. Contractor will allow as many as needed in order to coordinate with other trades within contract.

M. Vacuum breakers of back flow preventers approved by the South Florida Building Code shall be installed in all fixtures having threaded hose bibb connections and at other locations specified in the South Florida Building Code.

N. Provide P.D.I. approved water hammer arresters in the piping as may be required to accomplish noiseless operation of the system under all operating conditions.

3. Provide all excavation, backfill and compaction required be the plumbing work. Protect waterproofing as required.

4. Building drainage system design based on 1/8" per foot minimum fall, any deviation shall be approved By the architect and the engineer.

5. Contractor to provide 1" minimum water pipe capped at every electrical switch gear room or meter room to be used as ground.

6. All valves to be installed in precast concrete boxes, Brooks or equivalent.

7. Provide access panels of required sizes and types as required for access to all clean outs, valve traps, water hammer arresters ect. Access panels and covers shall be approved by the Architect. Provide stainless steel finish in wet areas.

8. Contractor shall verify the exact location of all equipment and their corresponding shop drawings before rough-in.

9. Contractor shall coordinate his work with all trades in order to avoid conflict. No changes will be accepted unless a prior written request is made and approval has been issued from the architect/engineer.

10. Contractor shall coordinate his work with corresponding utility companies in order to verify th epoints on connections, meter locations, ect.

11. All floor drains shall be reseated.

12. Comply with chapter 5, item 15 of the South Florida Building Code.

13. Underground storm drainage pipe shall be concrete culvert pipe, vitrified clay pipe, or as specified on plans. Contractors will provide water tight connections throughout roof-storm drainage systems.

14. Complete systems, fixtures and equipment shall be given service test after completion of the installation. The Owner will be notified in writing of such test.

15. All cutting and patching that may be neccessary for the installation of the system specified shall be done and repaired by this division under the direction and to the satisfaction of the Architect.

16. Perform the following test:

A. Water piping shall be subjected to hydrostatic pressure test of 100 PSI for a period of time sufficient to examine the entire system, but not less than one hour.

B. Drainage piping before the installation of any drains, the ends of the system shall be capped and all lines filled with water to the highest point and allowed to stand until inspected in a made and water level remains constant.

C. Correct all defects disclosed by the above tests.

17. Sterilize all water lines with a mixture of (1) two pounds of chlorinated lime to each 1000 gallons of water. (50 PPM of available chlorine) retain mixture in pipes 24 hours and flush throughly with potable water before planning and service. After all tests have been made and the system procedures tight and satisfactory, the Contractor shall go over all his work and clean equipment fixtures, piping, ect. and leave clean and in complete working order at final completion of the project.

18. Plumbing contractor shall include all requirements for the heating, storage, and control of the domestic hot water for the areas indicated. Water heaters shall be U.L. code listed and stamped and shall comply with ASHRAE 90-80 stand by loss efficiency. A.S.M.E. relief valve sized to input of unit; minimum size 3/4" pressure-temperature type. Water heaters located above the floor shall be equipped with a 24 gauge or thicker galvanized steel drain pan. The drain pan shall have a minimum depth of 2" and its outside dimensions shall be at least 2" greater than that of the water heater on all sides. A par drain shall be provided in accordance with the South Florida Building Code.

19. Plumbing contractor shall guarantee that all plumbing work shall be free from defects of materials and workmanship for a period of one year, from day of final acceptance, and that he will, at his expense, repair and replace all work which become defective during guarantee period. This includes other materials and finishes which may be affected by said defective work.

GENERAL NOTES FOR AIR CONDITIONING

1. Ductwork shall be 1 1/2" thick unless otherwise specified, 3 pounds per cubic foot density fiberglass with vapor barrier. Ductwork shall be fabricated and installed in accordance with manufactures specifications and according to ASHRAE and SMACNA standards.

   Duct dimensions are in inches and correspond to inside dimensions, width x height. Duct system shall comply with "NFPA" standards no. 90A and/or 90B. Ductwork and components shall be class 1 materials in accordance with U.L. 181 tests.

2. Coordinate locations, sizes and openings with other trades on the job before commencing any and all new work. A/C contractor shall provide the complete duct system with turning vanes at all elbow splitters, dampers fireproof dampers, scoop collars, as required to meet the South Florida Building Code.

3. Diffusers and grilles shall be selected, located and balanced in order that they deliver the required CFM to the entire room evenly and draft free to maintain the following design conditions:

INSIDE	OUTSIDE	RELATIVE HUMIDITY
Cooling- 75°F	91 DB - 74 WB	50% to 60%
Heating- 72°F	45 DB	

4. All fan units, motors, compressors, ect. shall be isolated, as required to operate quietly so that no objectionable sound will be heard in the habitable spaces due to air velocity, motor hum, vibration, or mechanical movement.

5. A/C system shall have decrease air filters located as required for easy accessibility.

6. A/C system shall be controlled by a thermostat. Mount thermostat 5' above Fin. Floor U.O.N.

7. All grilles and diffusers to be aluminum construction unless otherwise noted. Diffusers shall have radial opposed blade dampers. Provide gaskets on all grilles and diffusers.

8. Undercut doors A.F.F. as indicated.

9. All refrigerant piping shall be copper - hard drawn type L - ACR type, dehydrated and sealed and fitting shall be wrought copper. All joints shall be made with high temperature brazing alloy of not less than 5% silver. Piping insulation not less than 3/4" thick "Armaflex". Liquid and suction lines shall be sized according to equipment manufacturers recommendation for equivalent length of piping run for connected tonnage. All piping shall be evacuated per good piping practice before start-up. Provide filter dryer and sight glass on liquid line if applicable.

10. All ventilation ductwork shall be sheetmetal and shop fabricated installed according to last edition of SMACNA/ASHRAE for low pressure duct system. Flexible duct to be U.L. approved. Provide fabric 32 - 50 at sheetmetal duct connections. Provide non-combustible ductwork at all fire rated wall penetrations.

11. The contractor shall coordinate his work with other trades. If any conflict with the new work is found notify architect/engineer before proceeding with work.

ELECTRICAL SPECIFICATIONS

1. All materials and/or equipment shall bear the label of the Underwriters Laboratories and shall be installed in accordance with manufactures specifications and according to the latest NEMA standards and standards of the AIEE and IES.

2. The work shall comply with the latest applicable requirements of the N.E.C. and local codes governing this installation or as a minimum standard when specifications listed here require higher st

FOR BUILDING PERMIT
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ARCHITECTURE, PLANNING & INTERIOR DESIGN
TELESCO ASSOCIATES
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telesco@bellsouth.net
www.rightdoor-design.com
LICENSE # AR-2684

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

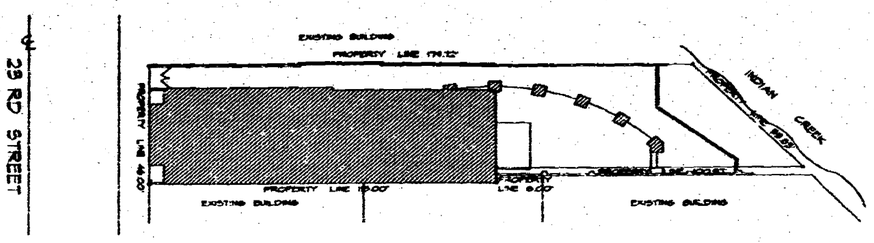
PROJECT NO. 00-40
DRAWN BY TT
DATE 6/1/00
REVISIONS

General Notes

GN-2

DRAWING No. 3 OF 22

05



23 RD STREET

PROJECT DATA & NOTES

ZONING DATA

LOCAL CODE: ..... CITY OF MIAMI BEACH ZONING ORDINANCE

ZONING: ..... CD-3 COMMERCIAL, HIGH INTENSITY

EXISTING NIGHTCLUB
NO CHANGE OF USE

NOTE: NO NEW FLOOR AREA PROPOSED.

THERE SHALL BE NO OFF STREET PARKING REQUIREMENT FOR MAIN OR ACCESSORY USES ASSOCIATED WITH EXISTING BUILDINGS WHICH ARE LOCATED WITHIN THE MIAMI BEACH ARCHITECTURAL DISTRICT OR LOCAL HISTORIC DISTRICT. THIS PROVISION SHALL NOT APPLY TO RENOVATIONS OR NEW ADDITIONS TO EXISTING BUILDINGS WHICH CREATE OR ADD FLOOR AREA OR NEW CONSTRUCTION WHICH HAS A PARKING REQUIREMENT.

PROJECT DATA

LOCAL CODE: ..... 1996 DADE COUNTY EDITION SOUTH FLORIDA BUILDING CODE

CODE OCCUPANCY: ..... GROUP B, (a) DIVISION 1 NIGHTCLUB HAVING AN OCCUPANCY CONTENT OF 300 - 1000 PERSONS

NFPA OCCUPANCY: ..... EXISTING ASSEMBLY

CONSTRUCTION TYPE: ..... TYPE III PROTECTED

HAZARD: ..... NFPA ORDINARY

FIRE PROTECTION NOTES:

ALL FINISHES TO COMPLY W/ NFPA 8-3.3.2
PROVIDE ONE (1) 'UL' LISTED 2A: ABC TYPE FIRE EXTINGUISHER FOR EVERY 2500 SQUARE FEET OF FLOOR AREA.

EXIT DATA ** SEE FURNITURE PLAN

1.) INTERIOR FLOOR AREA	3,908 SQ.FT.	
2.) EXTERIOR PATIO FLOOR AREA	2599 SQ.FT.	
3.) TOTAL FLOOR AREA	6,507 SQ.FT.	
4.) EXITS REQUIRED	3 - MINIMUM PER NFPA 101 9-2.4.1 EXCEPTION # 1	
5.) EXITS PROVIDED	4	
6.) EXIT CAPACITY (DOORS)	MAIN ENTRANCE	1 SET 6'-0"W DOORS 70" / .2 = 350 PEOPLE
	SOUTH EAST EXIT	34" / .2 = 170 PEOPLE
	NORTH EAST EXIT	69" / .2 = 345 PEOPLE
	NORTH WEST EXIT	74" / .2 = 370 PEOPLE

7.) LIMITING FACTOR - 50% OF OCCUPANTS MUST EGRESS THROUGH BOTH FRONT AND SECONDARY MEANS OF EGRESS / THREE SECONDARY MEANS OF EGRESS TOTAL 885 x 2 = MAX LOAD OF 1770
MAIN ENTRANCE DOORS (5' 0" x 7' 0") =350 x 2 = MAX LOAD OF 700
THEREFORE MAXIMUM EXIT CAPACITY IS LIMITED TO - 700 PERSONS

8.) TOTAL PROPOSED OCCUPANCY 509 * SEE FURNITURE PLAN HEREIN

9.) MAX DISTANCE TO EXIT — ALLOWED = 200 FT 1994 NFPA 101 9-2.6.1 EXCEPTION NO. 1 - AUTOMATIC SPRINKLER SYSTEM
PROVIDED = 95 FT

PROJECT DATA:

EXISTING NIGHTCLUB
NO CHANGE OF USE

NO FLOOR SPACE ADDED OR DELETED
PROPOSED OCCUPANT LOAD = 509

PLUMBING FIXTURE REQUIREMENTS FOR OCCUPANT LOAD OF 452 - 600

MEN: REQUIRED 3 TOILETS - 3 - URINALS - 3 SINKS
MEN: PROVIDED 4 TOILETS - 3 - URINALS - 4 SINKS
WOMEN: REQUIRED 6 TOILETS - 4 SINKS
WOMEN: PROVIDED 7 TOILETS - 4 SINKS

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CITY OF MIAMI BEACH

FOR BUILDING PERMIT

HOSPITALITY ARCHITECTURE & INTERIOR DESIGN
TELESCO ASSOCIATES
200 95TH STREET, SUITE 203
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RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

PROJECT NO.: 00-90
DRAWN BY: TT
DATE: 11/07/00
REVISIONS

Project Data

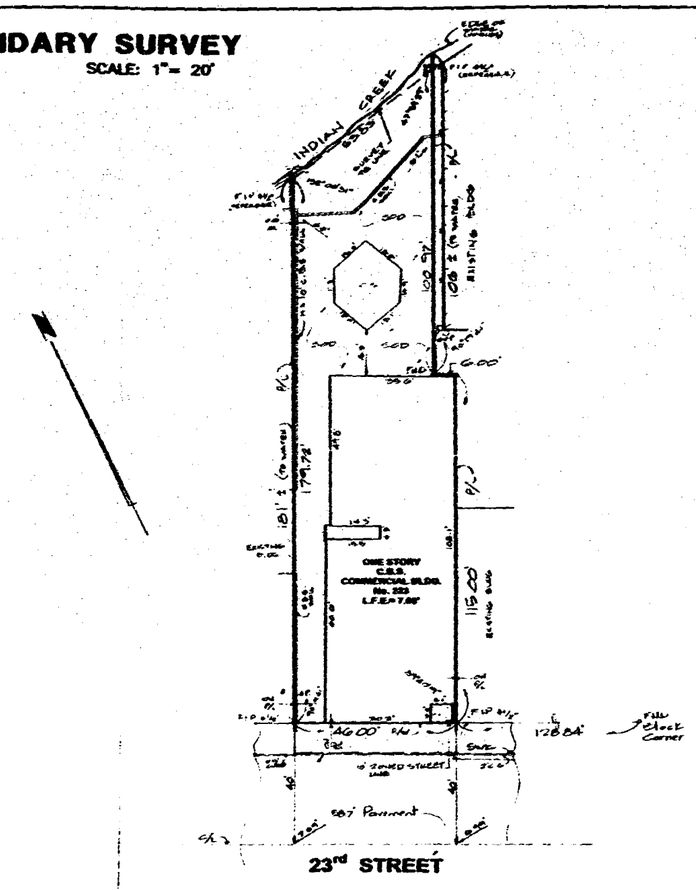
A-1

DRAWING No. 4 OF 22

05

BOUNDARY SURVEY

SCALE: 1"= 20'

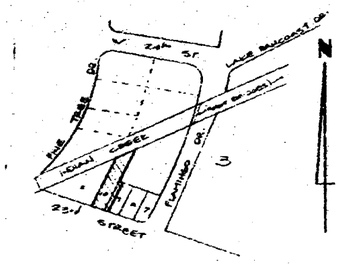


NOTES:

-BEARINGS ARE REFERRED TO AN ASSUMED VALUE

-ELEVATIONS ARE REFERRED TO N.G.V.D.

ABBREVIATIONS AND LEGEND



LOCATION SKETCH

SCALE: 1"=200'

LEGAL DESCRIPTION

THE WEST 6.00 FEET OF LOT 9 AND ALL OF LOT 10, BLOCK 3, OF "AMENDED PLAT OF THE OCEAN FRONT PROPERTY OF THE MIAMI BEACH IMPROVEMENT COMPANY", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 5, AT PAGE 7, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

PROPERTY ADDRESS: 323 23rd STREET, MIAMI BEACH, FLORIDA

J. Bonfill & Associates, Inc.

OFFICE COPY

FOR BUILDING PERMIT

TELESCO ASSOCIATES

260 85TH STREET, SUITE 203
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LICENSE # AA-0004

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

PROJECT No 00-50

DRAWN BY:

DATE 11-07-00

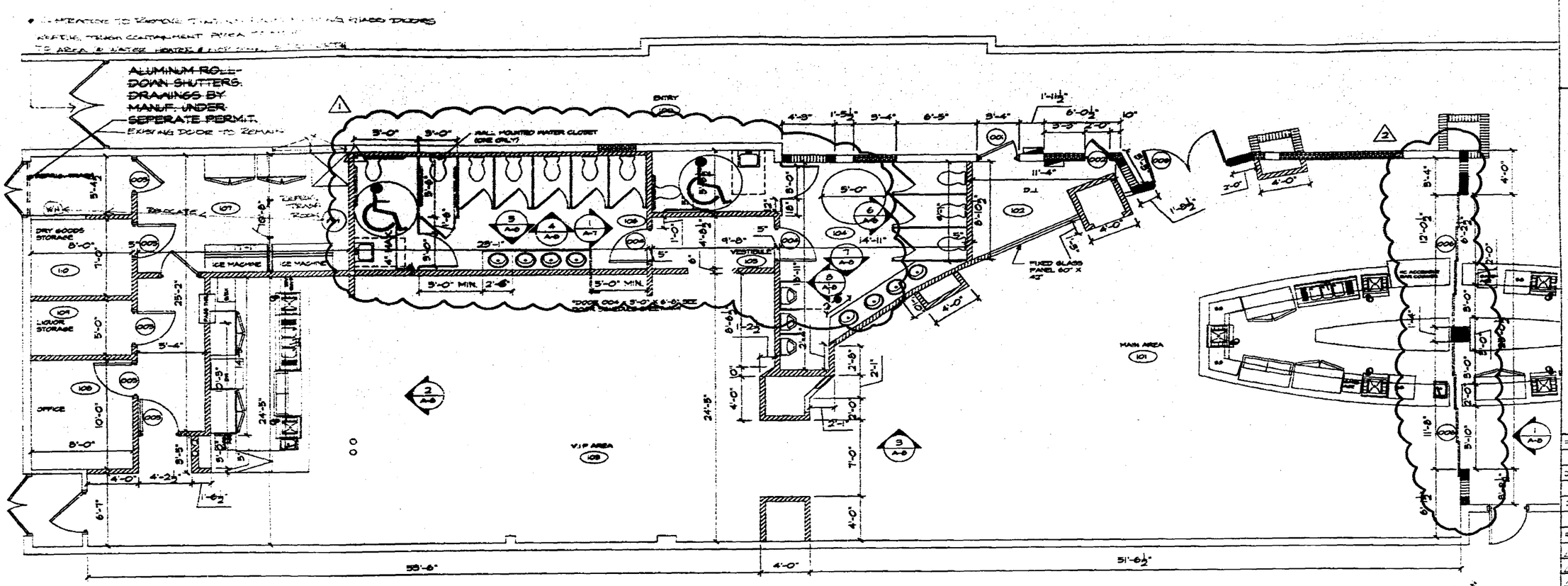
REVISIONS

Site Plan & Survey

A-2

DRAWING No. 5 OF 22

05



WALL LEGEND

- INDICATES COLUMN. SEE SCHEDULE FOR SIZE & REINFORCING.
- INDICATES EXISTING 8" MASONRY WALLS
- INDICATES NEW 8" MASONRY WALLS
- MASONRY INFILL- SEE SHEET 5-5 FOR DETAIL
- NEW DRYWALL PARTITION

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR ... THE ...

FOR BUILDING PERMIT

INTERIOR DESIGN
TELESCO ASSOCIATES
280 95TH STREET, SUITE 203
SURFSIDE, FL 33154
TEL 305 866 1914
FAX 305 866 3317
telesco@tm-beach.net
www.nightclub-design.com
LICENSE # AA-2884

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

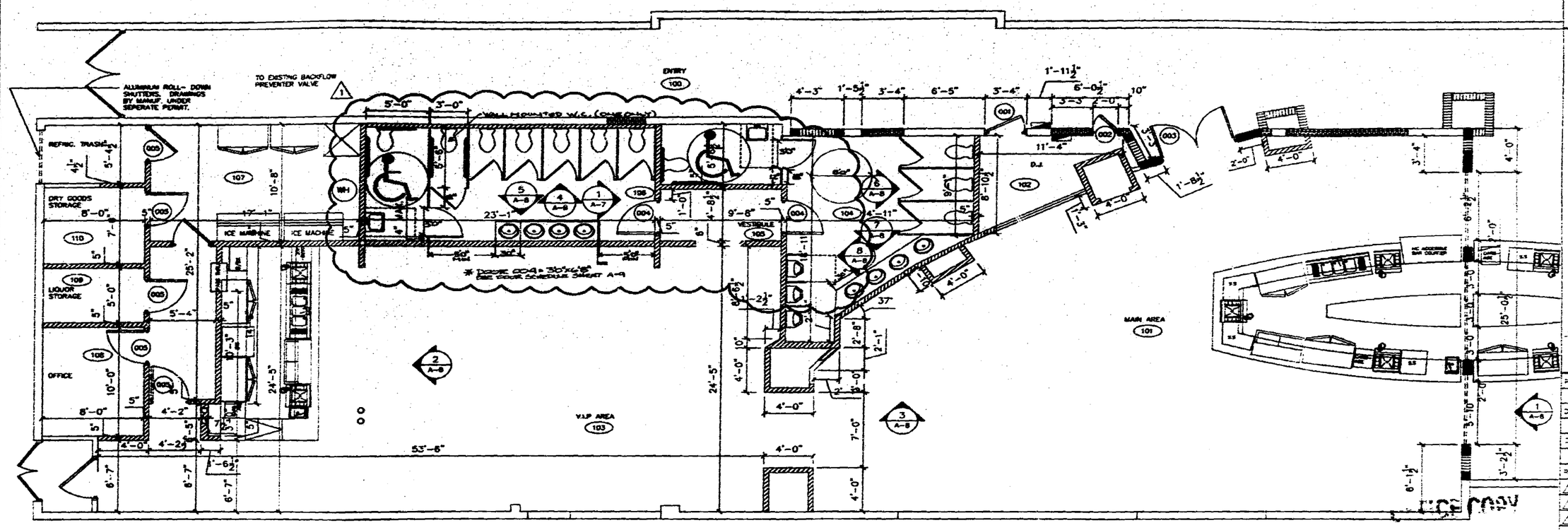
PROJECT No. 00-50
DRAWN BY: JN
DATE: 11/07/00
REVISIONS:
1 12/12/00
2 12/17/00

Floor Plan

A-3

DRAWING No. 6 OF 22

05



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

WALL LEGEND

- INDICATES COLUMN, SEE SCHEDULE FOR SIZE & REINFORCING.
- INDICATES COLUMN BELOW THIS LEVEL
- INDICATES EXISTING 8" MASONRY WALLS
- INDICATES NEW 8" MASONRY WALLS
- MASONRY INFILL - SEE SHEET S-3 FOR DETAIL
- NEW DRYWALL PARTITION

HOSPITALITY ARCHITECTURE & INTERIOR DESIGN

TELESCO ASSOCIATES

LICENSE # AA-26014

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

PROJECT No. : 00-50
DRAWN BY: LN
DATE: 11/07/00
REVISIONS:
1 12/12/00
2
3

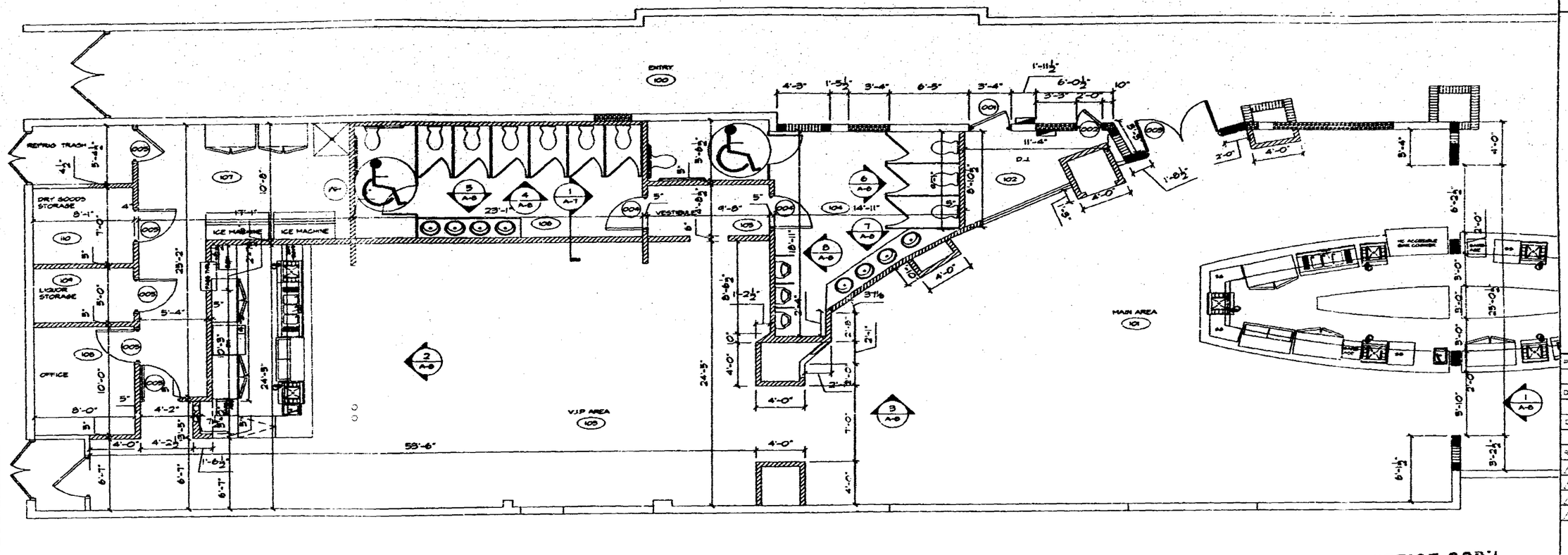
Floor Plan

VOID

A-3

DRAWING No. 6 OF 22

05



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

WALL LEGEND

- INDICATES COLUMN SEE SCHEDULE FOR SIZE & REINFORCING.
- INDICATES COLUMN BELOW THIS LEVEL.
- INDICATES EXISTING 8" MASONRY WALLS
- INDICATES NEW 8" MASONRY WALLS
- MASONRY INFILL - SEE SHEET S-5 FOR DETAIL
- NEW DRYWALL PARTITION

OFFICE COPY

TELESCO
ASSOCIATES
286 95th STREET SUITE 203
SURFSIDE, FL 33154
TEL 305 866 1614
FAX 305 866 3317
LICENSE # AA-2884

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

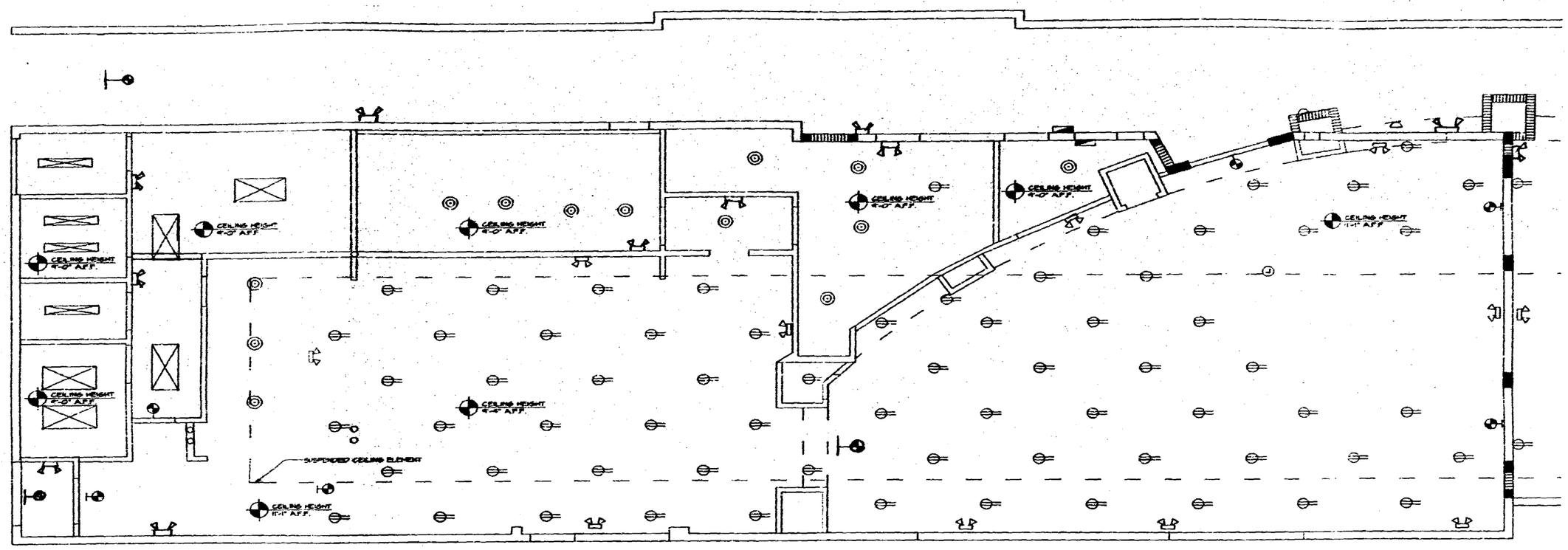
PROJECT No. 00-50
DRAWN BY: LN
DATE: 11/27/00
REVISIONS:

Floor Plan
VOID

A-3

DRAWING No. 6 OF 22

05



REFLECTED CEILING PLAN
SCALE : 1/4" = 1'-0"

GENERAL NOTES & SYMBOLS

- ELEC. OUTLETS FOR INCANDESCENT LIGHT - SEE ELECTRICAL
- EXIT LIGHT - SEE ELECTRICAL
- EMERGENCY LIGHTS - SEE ELECTRICAL
- DOWN LIGHTS
- FLOURESCENT LIGHTING

NOTE : 5/8" FIRE RATED GYPSUM BOARD TYPICAL ALL CEILINGS

FOR BUILDING PERMIT

HOSPITALITY ARCHITECTURE & INTERIOR DESIGN
TELESCO ASSOCIATES
765 65TH STREET, SUITE 203
SURFSIDE FL 33154
TEL 305.866.7014
FAX 305.866.3317
LICENSE # AA-3004

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

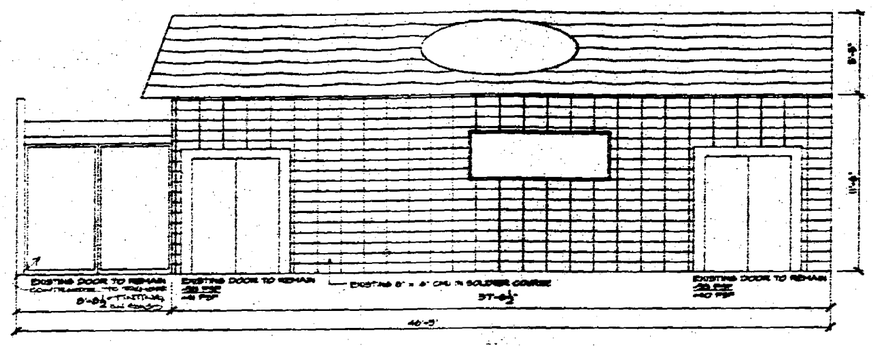
PROJECT No. 00-30
DRAWN BY: LN
DATE: 11/07/00
REVISIONS

Reflected Ceiling Plan

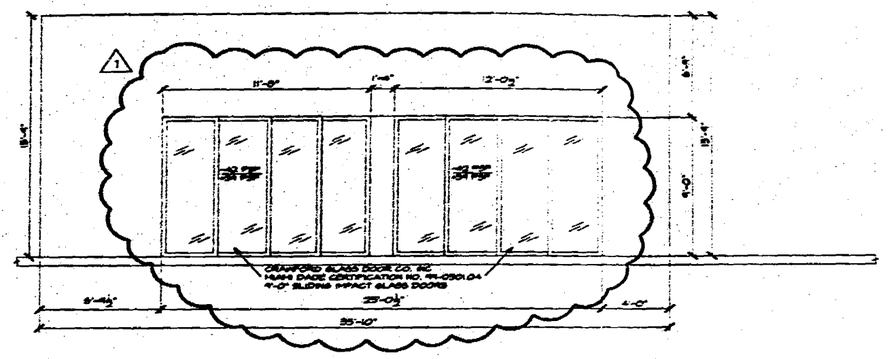
A-4

DRAWING No. 7 OF 22

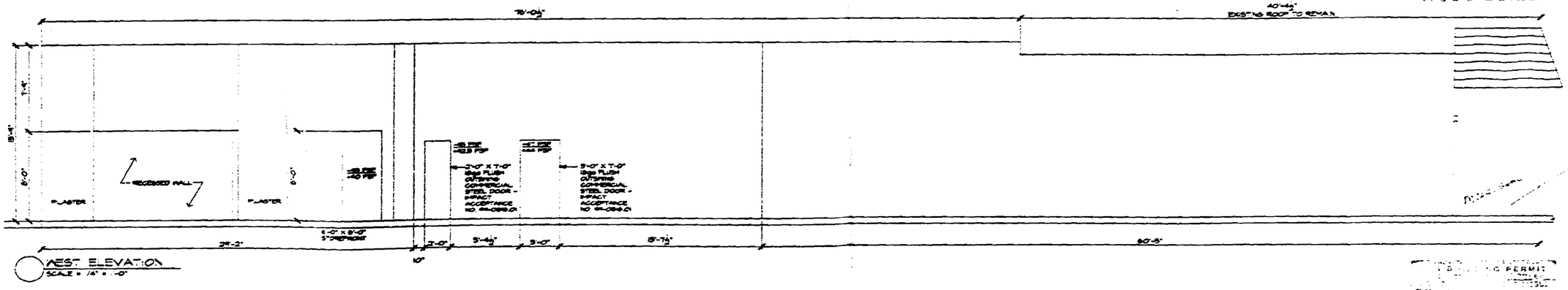
05



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



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



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

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THE FOLLOWING:

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CITY OF MIAMI BEACH

HOSPITALITY ARCHITECTURE & INTERIOR DESIGN
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280 95TH STREET, SUITE 203
SURFSIDE, FL 33154
TEL 305.866.1014
FAX 305.866.3317
LICENSE # AA-2004

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

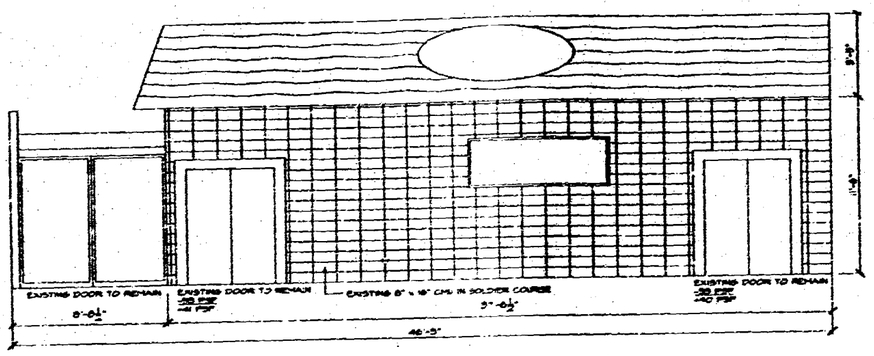
PROJECT No.: 00-50
DRAWN BY: LN
DATE: 11/07/00
REVISIONS:

Exterior Elevations

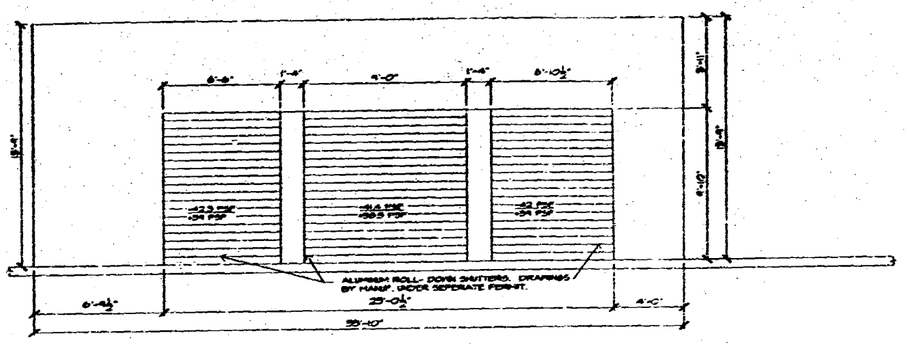
A-5

DRAWING No. 8 OF 22

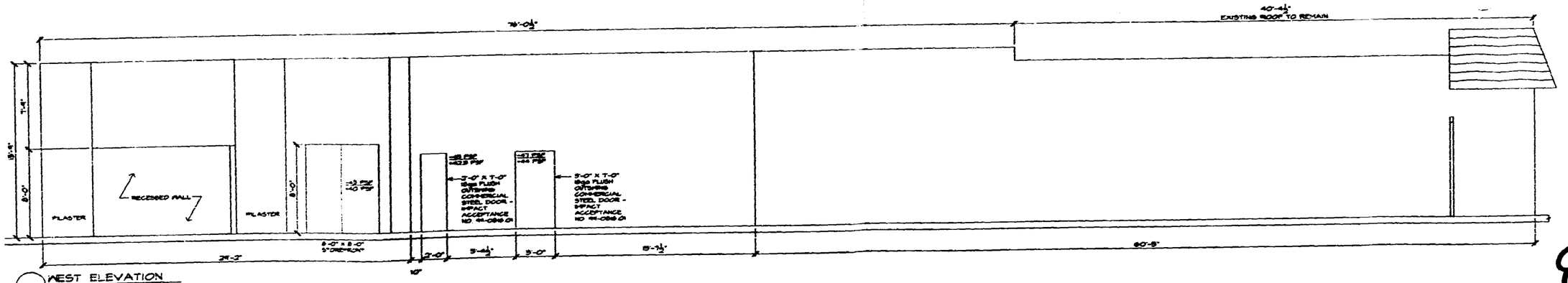
05



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



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



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

HOSPITALITY ARCHITECTURE & INTERIOR DESIGN

TELESCO ASSOCIATES

260 95TH STREET, SUITE 2C3
SURFSIDE, FL 33154

TEL 305 868 1014
FAX 305 868 3317

telesco@bellsouth.net
www.mytelesco-associates.com

LICENSE # AA-2886

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

PROJECT No. 00-50

DRAWN BY: LN

DATE: 11/07/00

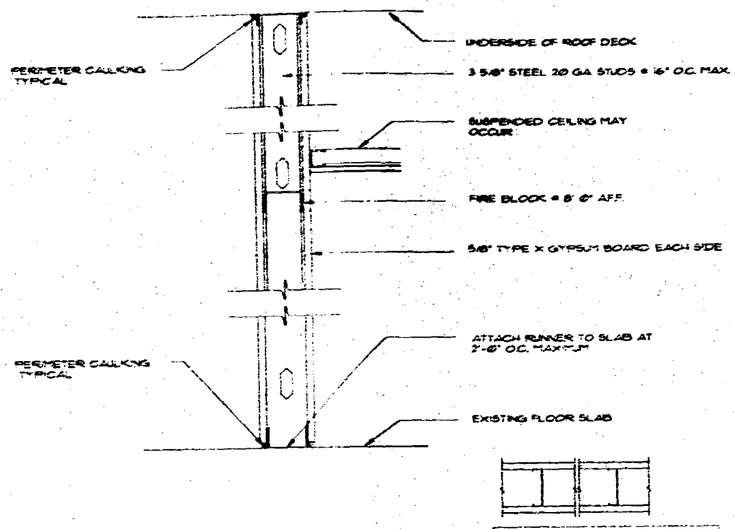
REVISIONS:

Exterior Elevations

A-5

DRAWING No. 8 OF 22

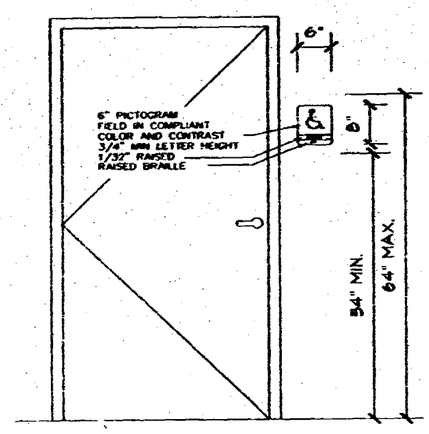
05



ONE LAYER 5/8" GYPSUM WALL BOARD OR VENEER BASE APPLIED AT RIGHT ANGLES OR PARALLEL TO EACH SIDE OF 3 5/8" METAL STUDS 24" O.C. WITH 1 1/2" TYPE S DRYWALL SCREWS 8" O.C. TO VERTICAL EDGES AND 8" O.C. TO TOP AND BOTTOM RUNNERS AND INTERMEDIATE STUDS. STAGGER ALL VERTICAL AND HORIZONTAL JOINTS 24" O.C. EACH SIDE AND OPPOSITE SIDES

Thickness: 4 7/8"
Lifting Weight: 17.3#
Approx Wt Sft: 6 psf
Fire Tests: ATI WP-45, 6-19-68
OSU T-11710 8-161
UL - design No. U465

1 INTERIOR WALL SECTION
N.T.S.



2 ACCESSIBLE SIGNAGE DETAIL
N.T.S.

COPY
BEACH
...MIT BY:
...:
12/29
2/14 Lee
2/11/2001

...R BUILDING PERMIT
...PROVAL
...ISSUE

HOSPITALITY ARCHITECTURE & INTERIOR DESIGN
TELESCO ASSOCIATES
360 95TH STREET, SUITE 203
SURFSIDE FL 33154
TEL 305 866 1014
FAX 305 866 3317
telesco@tls-beach.net
www.tls-beach.com
LICENSE # AA-2884

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

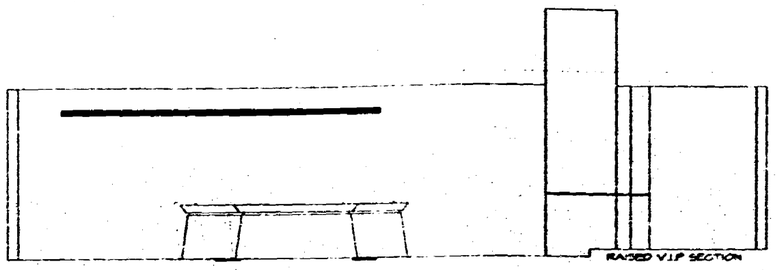
PROJECT No. 00-50
DRAWN BY: LN
DATE: 07.00
REVISIONS:

Wall Sections

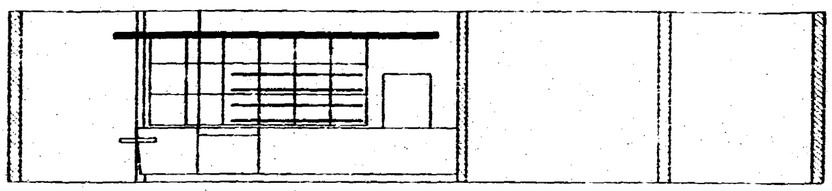
A-6

DRAWING No. 9 OF 22

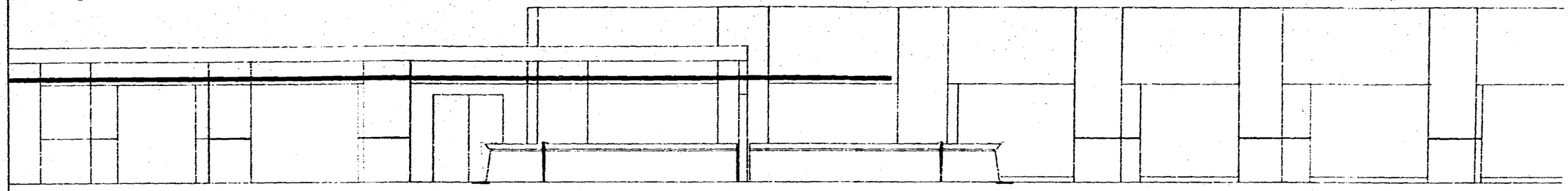
05



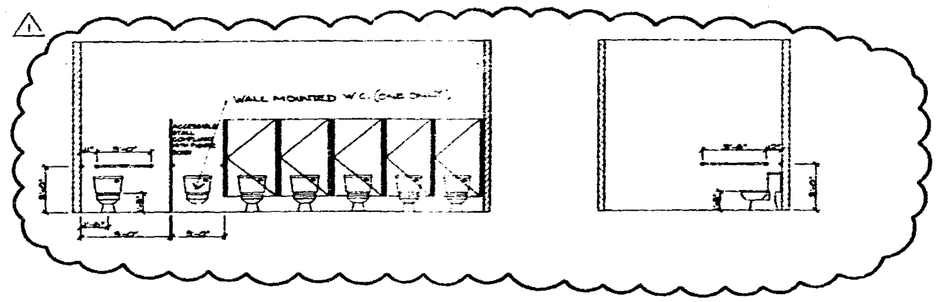
1 ELEVATION
1/4" = 1'-0"

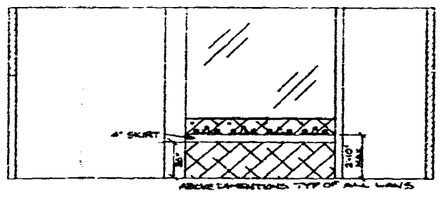


2 ELEVATION
1/4" = 1'-0"

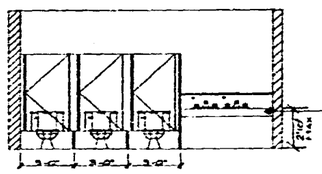


3 ELEVATION
1/4" = 1'-0"

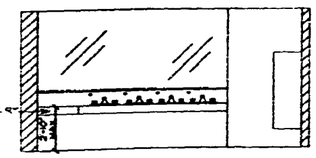




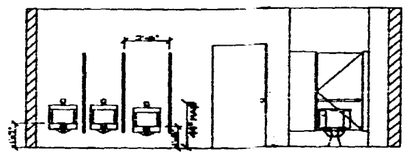
4 WOMEN'S WATER CLOSET ELEVATION
1/4" = 1'-0"



5 WOMEN'S ADA WATER CLOSET ELEVATION
1/4" = 1'-0"



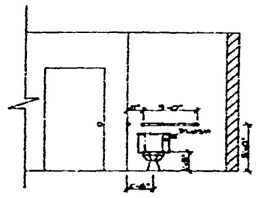
5 WOMEN'S SINK WALL ELEVATION
1/4" = 1'-0"



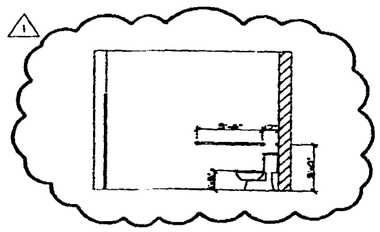
6 MEN'S WATER CLOSET ELEVATION
1/4" = 1'-0"

7 MEN'S SINK WALL ELEVATION
1/4" = 1'-0"

8 MEN'S URINAL WALL ELEVATION
1/4" = 1'-0"



8 MEN'S URINAL WALL ELEVATION
1/4" = 1'-0"



8 MEN'S URINAL WALL ELEVATION
1/4" = 1'-0"

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT &
THE FOLLOWING

BUILDING
ZONING
PLUMBING
ELECTRICAL
MECHANICAL
FIRE PREVENTION
ENGINEERING
PUBLIC WORKS
STRUCTURAL
TERM:
ACC

FOR BUILDING
DATE FOR PERMIT
BUILDING
AFTER:

HOSPITALITY ARCHITECTURE & INTERIOR DESIGN
TELESCO ASSOCIATES
760 95TH STREET, SUITE 203
SURFSIDE, FL 33154
TEL 305 868 1814
FAX 305 866 3317
LICENSE # AA 2884

RAIN
Various Renovations
323 23rd Street
Miami Beach, Fl. 33139

PROJECT No 00-30
DRAWN BY LN
DATE 10/100
REVISIONS
2 12 00

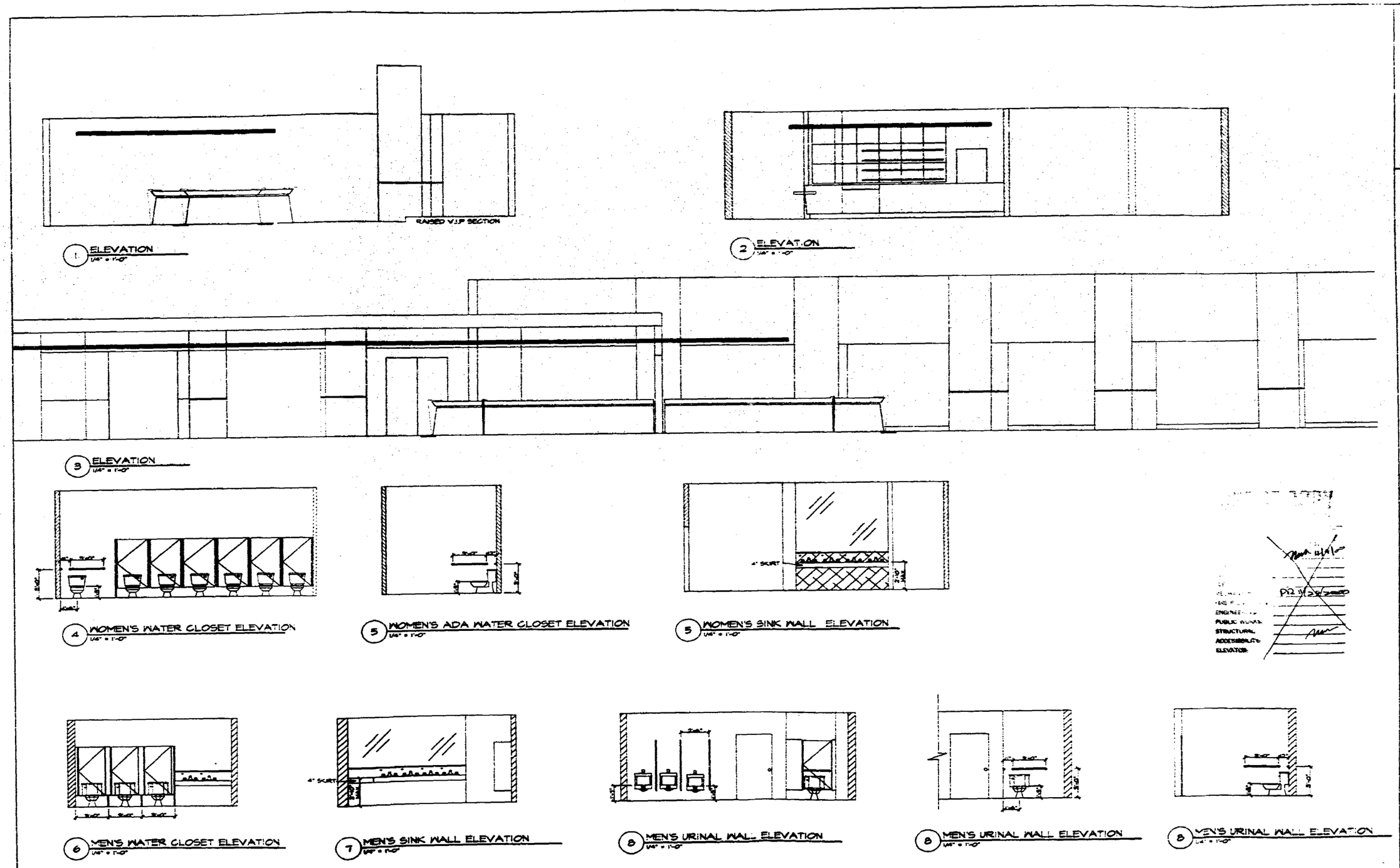
12-12-00

Interior Elevations

A-7

DRAWING No. 10 OF 22

05



HOSPITALITY ARCHITECTURE & INTERIOR DESIGN

TELESCO ASSOCIATES

200 95TH STREET, SUITE 203
SURFSIDE, FL 33154

TEL 305 868 1914
FAX 305 868 2917

LICENSE # AA-2884

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

PROJECT No.: 00-50

DRAWN BY: JN

DATE: 10/7/00

REVISIONS

PR 11/29/2000

ENGINEERING
PUBLIC WORKS
STRUCTURAL
ACCESSIBILITY
ELEVATOR

11-12-00

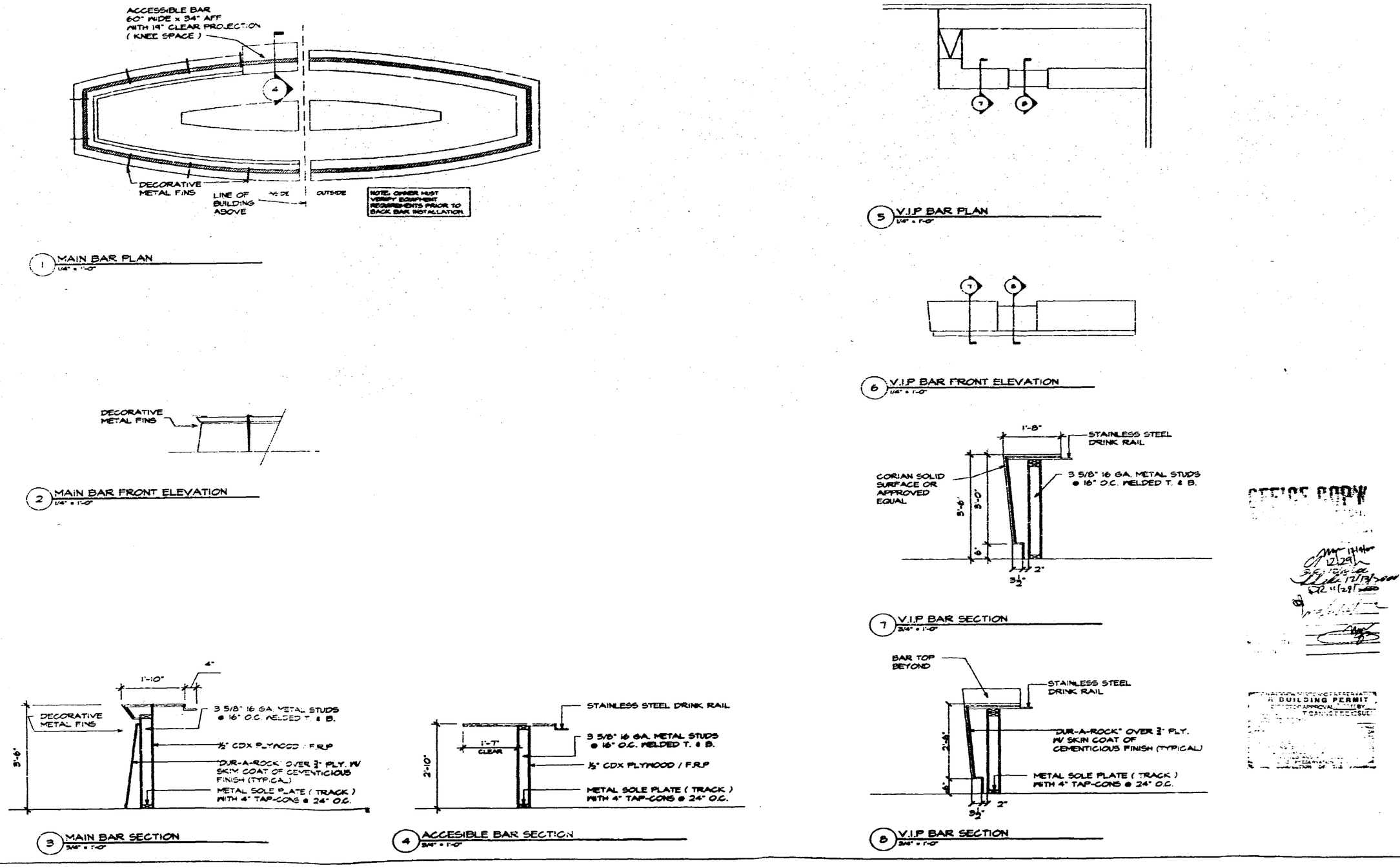
Interior Elevations

VOID

A-7

DRAWING No. 10 OF 22

05



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HOSPITALITY ARCHITECTURE & INTERIOR DESIGN

TELESCO ASSOCIATES

260 95TH STREET, SUITE 203
SURFSIDE, FL 33154

TEL 305 866 1014
FAX 305 866 3317

telesco@the-beach.net
www.rightclub-design.com

LICENSE # AA-2884

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

PROJECT No. 00-50

DRAWN BY: LN

DATE: 11-07-00

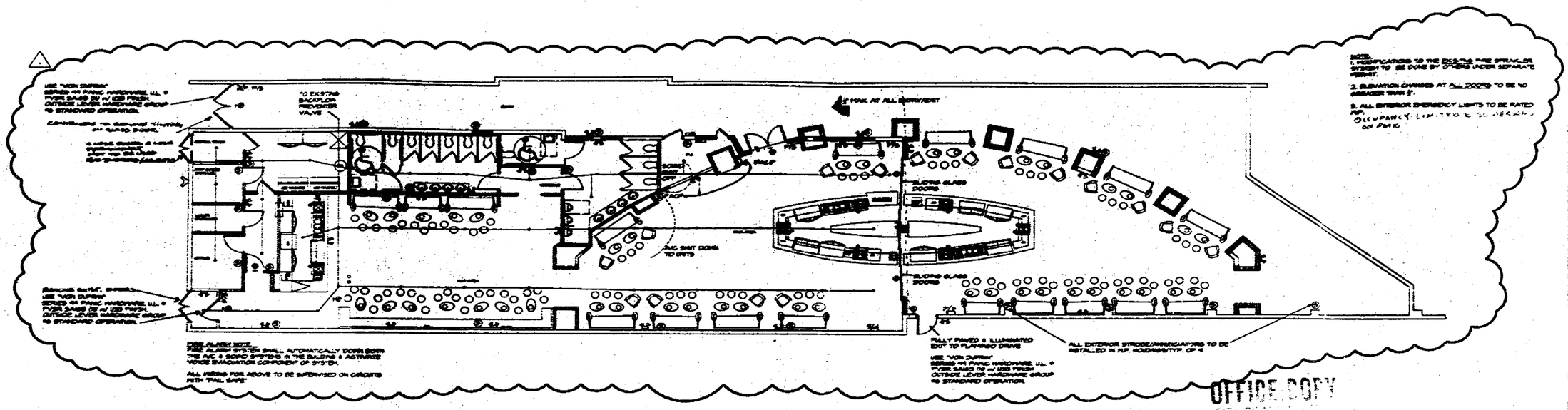
REVISIONS:

Bar Details

A-8

DRAWING No 11 OF 22

05



FURNITURE/FIRE PLAN
SCALE: 1/8"=1'-0"

OFFICE COPY

DOOR AND FRAME SCHEDULE

MARK	DOOR WD	DOOR HGT	DOOR THK	DOOR MATL	GLAZING	FRAME WD	FRAME HGT	FRAME MATL	EL	HEAD	JAMB	SILL	NOTES
001	3'-0"	7'-0"	2"	METAL	NO	N/A	N/A	METAL		METAL	METAL		LEVER HARDWARE/DEAD BOLT LOCK
002	2'-4"	7'-0"	2"	METAL	NO	N/A	N/A	METAL		METAL	METAL		LEVER HARDWARE/DEAD BOLT LOCK
003	6'-0"	8'-0"	1 3/4"	METAL	YES			METAL		METAL	METAL		MFGR. TO SUPPLY ALL SHOP DRAWINGS
004	3'-0"	6'-8"	1 3/8"	WOOD	NO	N/A	N/A	WOOD		WOOD	WOOD		LEVER HARDWARE/AUTOMATIC CLOSURES
005	3'-0"	6'-8"	1 3/8"	WOOD	NO	N/A	N/A	WOOD		WOOD	WOOD		LEVER HARDWARE
006	12'-0"	9'-0"	2"	METAL	YES	N/A	N/A	METAL		METAL	METAL		CRAWFORD GLASS DOOR CO. INC. SLIDING IMPACT GLASS DOORS
E-1													"VON DUPRIN" SERIES 99 PANIC HARDWARE UL # FVSR SA 163 (M)

FINISH SCHEDULE

MARK	NAME	FLOOR MATL.	FLOOR FIN.	BASE MATL.	BASE FIN.	NORTH WALL MATL.	NORTH WALL FIN.	EAST WALL MATL.	EAST WALL FIN.	SOUTH WALL MATL.	SOUTH WALL FIN.	WEST WALL MATL.	WEST WALL FIN.	CEILING MATL.	CEILING FIN.	REMARKS
100	ENTRY	TERRAZZO				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
101	MAIN AREA	TERRAZZO				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
102	D.J. BOOTH	CONCRETE				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
103	V.I.P AREA	TERRAZZO				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
104	MEN'S RESTROOM	SLATE	HONED	SLATE	HONED	5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
105	VESTIBULE	TERRAZZO				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
106	WOMEN'S RESTROOM	SLATE	HONED	SLATE	HONED	5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
107	BACK STORAGE AREA	CONCRETE				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
108	OFFICE	CONCRETE				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
109	LIQUOR STORAGE	CONCRETE				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
110	DRY GOODS STORAGE	CONCRETE				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	

SYMBOLS

- NEW SPRINKLER HEADS
- PULL STATIONS
- EXISTING SPRINKLER CONNECTION
- FIRE ALARM CONTROL PANEL
- STROBE/ANNUNCIATOR
- EXIT LIGHTS
- EMERGENCY LIGHTS

OFFICE COPY
CITY OF MIAMI BEACH
REVIEWED FOR PERMIT BY
THE FOLLOWING

BUILDING PERMIT

HOSPITALITY ARCHITECTURE & INTERIOR DESIGN
TELESCO ASSOCIATES
280 95TH STREET, SUITE 203
SURFSIDE FL 33154
TEL 305 866 1914
FAX 305 866 2917
LICENSE # AA-2884

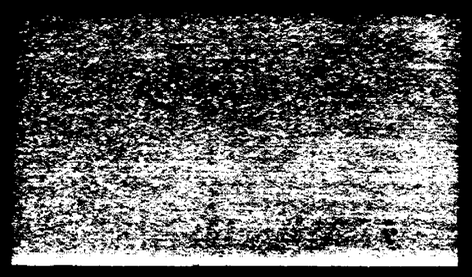
RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

PROJECT No.: 00-50
DRAWN BY:
DATE: 11/07/00
REVISIONS:
12/7/00

Furniture/Fire Plan & Schedule

A-9

DRAWING No. 12 OF 22



05

EXIST 4" RISER W/ VERTICAL BACKFLOW PREVENTOR (AMES 3000 SS 4")

EXIST 4" CONT'D W/ PUMPS W/ FLOW SW.

TRANSF.

STOR

STOR

OFF

UPRIGHT HD IN ATTIC

RESTROOM

RESTROOM

LIGHT

VIP AREA

LIGHT

VIP AREA

UPRIGHT HD IN ATTIC

INSP TEST

EXIST 4" FDC

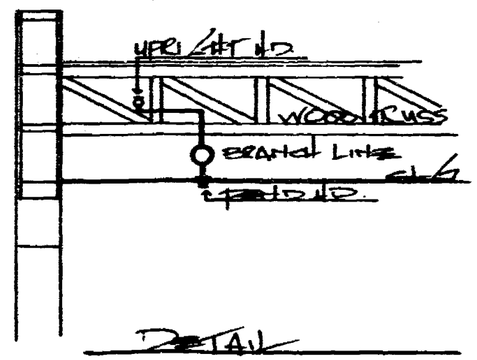
FIRE SPRINKLER PLAN

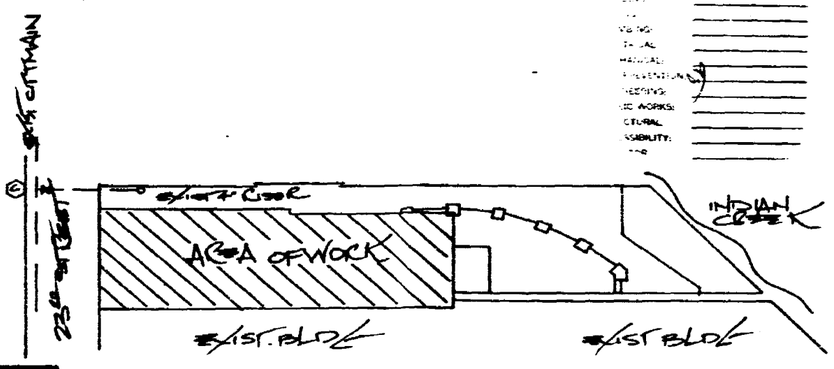
SCALE 1/4"=1'-0"

SPRINKLER HEAD LEGEND

① 1/2" .155" CHR PENDENT HD. K=33 — 35 —
② 1/2" .155" BRASS UPRIGHT HD K=55 — 27 —
ALL HDS TO BE VIKING

TOTAL — 62 —





KEY PLAN

KAIN
323 23RD STREET
MIAMI BCH, FLORIDA

KAIN FIRE
425 WOANIA PARKWAY
DANIA, FLA 33004

GENERAL NOTES

ALL PIPING, HEADS AND HANGERS TO BE SPACED AND INSTALLED IN ACCORDANCE WITH NFPA 13, AND APPROVING AUTHORITIES.

PIPING TO BE COPPER WITH COPPER FITTINGS IN LIGHT HAZARD AREAS.
K PIPING 1" THRU 2" TO BE THREADED "ALL" WITH SCREWED
K PIPING 2 1/2" AND LARGER TO BE ROLL 'N GRIP GROOVED FITTINGS.

STRUCTURE CONTAINS APPARENTLY OF NON-COMBUSTIBLE MATERIALS (NFPA 13).

CONTRACTORS SHALL BE HELD TO REVIEW ALL PORTIONS OF THE WORK.

PIPING TO BE HUNG AS SHOWN ON PLANS.

FLOW TEST DATA: 50PSI STATIC, 40PSI @ 600, 600 FLOW

SPRINKLER HEADS TO BE SPACED AT 225 SQ. FT. MAXIMUM IN LIGHT HAZARD AREAS AND 130 SQ. FT. MAXIMUM IN ORDINARY HAZARD AREAS (NFPA 13).

SPARE SPRINKLER HEADS, WRENCH AND CABINET TO BE SUPPLIED AS PER NFPA 13.

HYDRAULIC DATA PLACE CARD TO BE PROVIDED.

CONTRACTOR TO FIELD VERIFY AS SHOWN ON PLAN.

HYDRAULICALLY REMOTE REFERENCE POINT.

EXISTING SPRINKLER HEAD TO REMAIN.

EXISTING SPRINKLER HEAD TO BE REMOVED.

SPRINKLER HEADS.

REVISIONS					SPRINKLERS						
NO.	DATE	BY		SYMBOL	MFGR	TYPE	ORIF	TEMP	FINISH	QTY

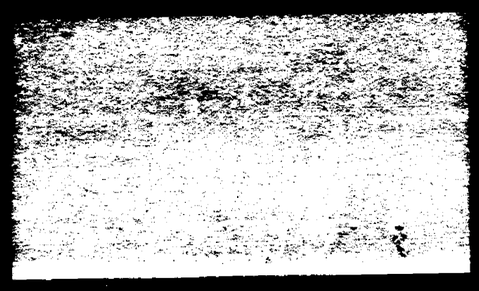
OFFICE COPY
CITY OF MIAMI BEACH
PROJECT FOR PERMIT B
THE FOLLOWING:

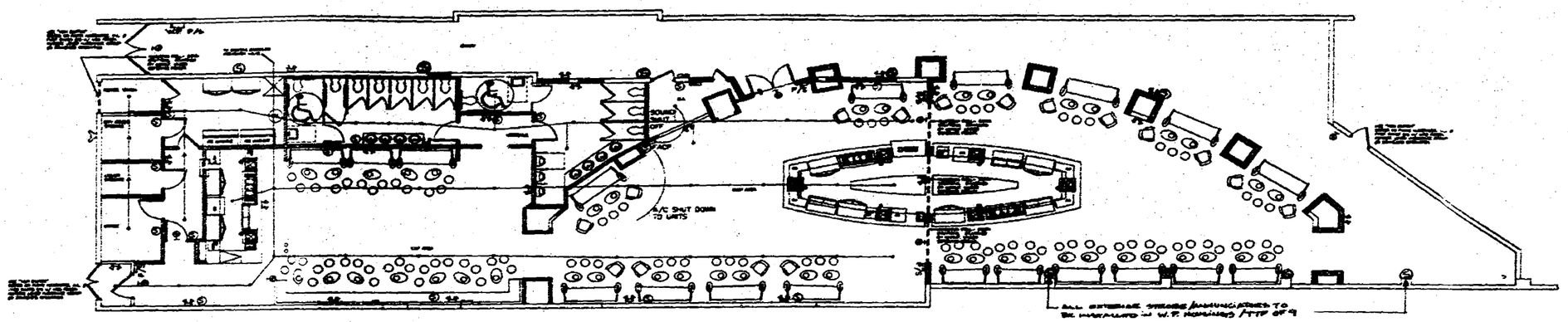
05

Fire Sprinklers

2 (Sets)

City.





FURNITURE / FIRE PLAN
SCALE: 1/8"=1'-0"

NOTE:
- MODIFICATIONS TO THE EXISTING FIRE SPRINKLER SYSTEM TO BE DONE BY OTHERS UNDER SEPARATE PERMIT
- ELEVATION CHANGES AT ALL DOORS TO BE NO GREATER THAN ½"
- ALL EXTERIOR EMERGENCY LIGHTS TO BE WIRED W/ E

DOOR AND FRAME SCHEDULE

MARK	DOOR WD	DOOR HGT	DOOR THK	DOOR MATL	DOOR GLAZING	FRAME WD	FRAME HGT	FRAME MATL	EL	HEAD	JAMB	SILL	NOTES
001	3'-0"	7'-0"	2"	METAL	NO	N/A	N/A	METAL		METAL	METAL		LEVER HARDWARE/DEAD BOLT LOCK
002	2'-4"	7'-0"	2"	METAL	NO	N/A	N/A	METAL		METAL	METAL		LEVER HARDWARE/DEAD BOLT LOCK
003	8'-0"	8'-0"	1 3/4"	METAL	YES			METAL		METAL	METAL		MFGR. TO SUPPLY ALL SHOP DRAWINGS
004	3'-0"	6'-8"	1 ⅜"	WOOD	NO	N/A	N/A	WOOD		WOOD	WOOD		LEVER HARDWARE/AUTOMATIC CLOSURES
005	3'-0"	6'-8"	1 ⅜"	WOOD	NO	N/A	N/A	WOOD		WOOD	WOOD		LEVER HARDWARE
E-1													"VON DUPRIN" SERIES 99 PANIC HARDWARE UL # FVSR SA 163 (b)

FINISH SCHEDULE

MARK	NAME	FLOOR MATL.	BASE F.N.	BASE MATL.	BASE FIN.	NORTH WALL MATL.	NORTH WALL FIN.	EAST WALL MATL.	EAST WALL FIN.	SOUTH WALL MATL.	SOUTH WALL FIN.	WEST WALL MATL.	WEST WALL FIN.	CEILING MATL.	CEILING FIN.	REMARKS
100	ENTRY	TERRAZZO				⅝" DRYWALL	PAINT	⅝" DRYWALL		⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	
101	MAIN AREA	TERRAZZO				⅝" DRYWALL	PAINT	⅝" DRYWALL		⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	
102	D.J. BOOTH	CONCRETE				⅝" DRYWALL	PAINT	⅝" DRYWALL		⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	
103	V.I.P. AREA	TERRAZZO				⅝" DRYWALL	PAINT	⅝" DRYWALL		⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	
104	MEN'S RESTROOM	SLATE	HONED	SLATE	HONED	⅝" DRYWALL	PAINT	⅝" DRYWALL		⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	
105	VESTIBULE	TERRAZZO				⅝" DRYWALL	PAINT	⅝" DRYWALL		⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	
106	WOMEN'S RESTROOM	SLATE	HONED	SLATE	HONED	⅝" DRYWALL	PAINT	⅝" DRYWALL		⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	
107	BACK STORAGE AREA	CONCRETE				⅝" DRYWALL	PAINT	⅝" DRYWALL		⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	
108	OFFICE	CONCRETE				⅝" DRYWALL	PAINT	⅝" DRYWALL		⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	
109	LIQUOR STORAGE	CONCRETE				⅝" DRYWALL	PAINT	⅝" DRYWALL		⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	
110	DRY GOODS STORAGE	CONCRETE				⅝" DRYWALL	PAINT	⅝" DRYWALL		⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	⅝" DRYWALL	PAINT	

SYMBOLS
- NEW SPRINKLER HEADS
- PULL STATIONS
- EXISTING SIEMESE CONNECTION
- FACP FIRE ALARM CONTROL PANEL
- STROBE/ANNUNCIATOR
- EXIT LIGHTS
- EMERGENCY LIGHTS

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT B THE FOLLOWING
BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
FIRE:

HOSPITALITY ARCHITECTURE & INTERIOR DESIGN
TELESCO ASSOCIATES
[redacted]
TEL [redacted]
FAX [redacted]
LICENSE # AA-[redacted]

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

PROJECT No.: 00-50
DRAWN BY: ---
DATE: 11/27/00
REVISIONS:

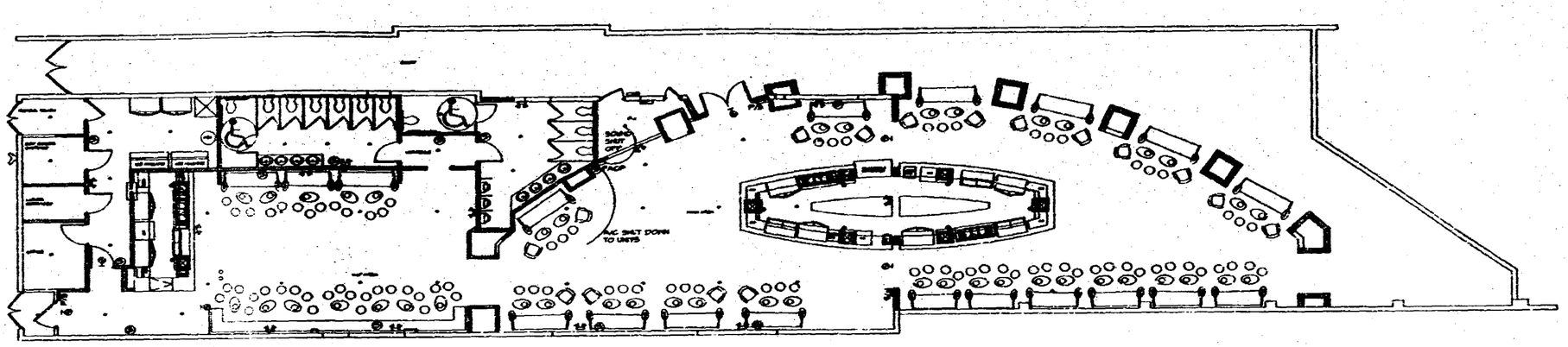
Furniture/Fire Plan & Schedule

VOID

A-9

DRAWING No. 12 OF 22

05



FURNITURE/FIRE PLAN
SCALE: 1/8"=1'-0"

DOOR AND FRAME SCHEDULE

MARK	DOOR WD	DOOR HGT	DOOR THK	DOOR MATL	GLAZING	FRAME WD	FRAME HGT	FRAME MATL	FRAME EL	HEAD	JAMB	SILL	NOTES
001	3'-0"	7'-0"	2"	METAL	NO	N/A	N/A	METAL		METAL	METAL		LEVER HARDWARE/DEAD BOLT LOCK
002	2'-4"	7'-0"	2"	METAL	NO	N/A	N/A	METAL		METAL	METAL		LEVER HARDWARE/DEAD BOLT LOCK
003	6'-0"	8'-0"	1 3/4"	METAL	YES			METAL		METAL	METAL		MFGR. TO SUPPLY ALL SHOP DRAWINGS
004	3'-0"	6'-8"	1 3/8"	WOOD	NO	N/A	N/A	WOOD		WOOD	WOOD		LEVER HARDWARE/AUTOMATIC CLOSURES
005	3'-0"	6'-8"	1 3/8"	WOOD	NO	N/A	N/A	WOOD		WOOD	WOOD		LEVER HARDWARE
E-1													"VON DUPRIN" SERIES 99 PANIC HARDWARE UL # FVSR SA 163 (H)

FINISH SCHEDULE

MARK	NAME	FLOOR MATL.	FLOOR FIN.	BASE MATL.	BASE FIN.	NORTH WALL MATL.	NORTH WALL FIN.	EAST WALL MATL.	EAST WALL FIN.	SOUTH WALL MATL.	SOUTH WALL FIN.	WEST WALL MATL.	WEST WALL FIN.	CEILING MATL.	CEILING FIN.	REMARKS
100	ENTRY	TERRAZZO				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
101	MAIN AREA	TERRAZZO				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
102	D.J. BOOTH	CONCRETE				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
103	V.I.P AREA	TERRAZZO				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
104	MEN'S RESTROOM	SLATE	HONED	SLATE	HONED	5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
105	VESTIBULE	TERRAZZO				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
106	WOMEN'S RESTROOM	SLATE	HONED	SLATE	HONED	5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
107	BACK STORAGE AREA	CONCRETE				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
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109	LIQUOR STORAGE	CONCRETE				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	
110	DRY GOODS STORAGE	CONCRETE				5/8" DRYWALL	PAINT	5/8" DRYWALL		5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	5/8" DRYWALL	PAINT	

SYMBOLS

- NEW SPRINKLER HEADS
- FDC — FILL STATIONS
- EXISTING SIAMESE CONNECTION
- FACP — FIRE ALARM CONTROL PANEL
- STROBE/ANNUNCIATOR
- EXIT LIGHTS
- EMERGENCY LIGHTS

COPY
BEACH
IT BY:
12/19/2000

HOSPITALITY ARCHITECTURE & INTERIOR DESIGN
TELESCO ASSOCIATES
290 85TH STREET, SUITE 203
SURFSIDE, FL 33154
TEL 305 866 1214
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telesco@tfa-bestclub.net
www.tfa-bestclub.com
LICENSE # AA 2884

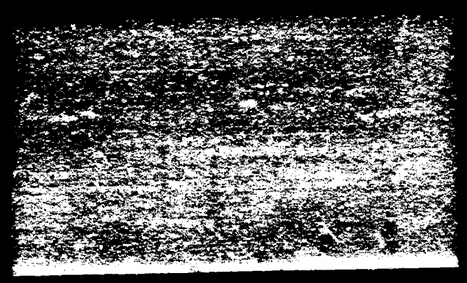
RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

PROJECT No : 00-50
DRAWN BY: TT
DATE: 11/07/00
REVISIONS:

Furniture/Fire Plan & Schedule

VOID
A-9

DRAWING No. 12 OF 22



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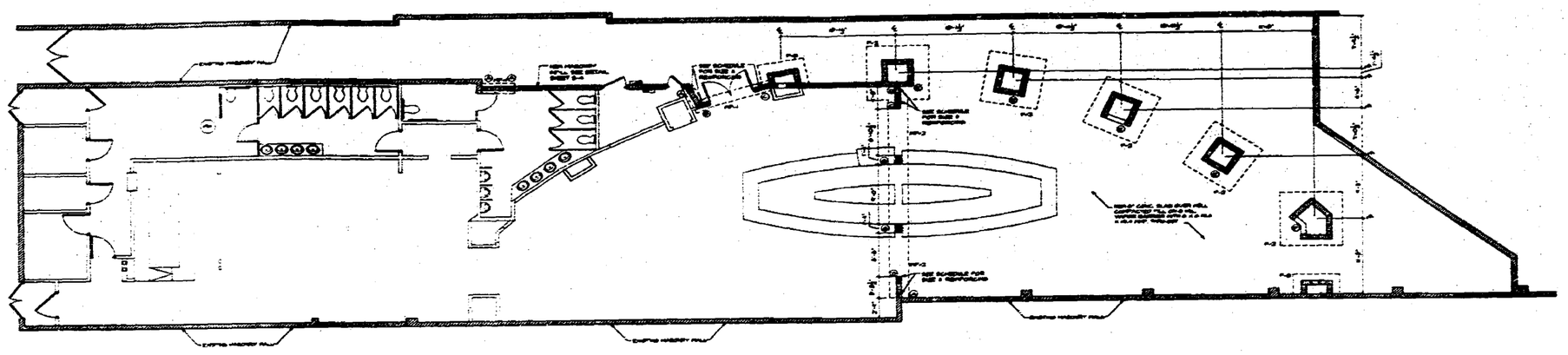
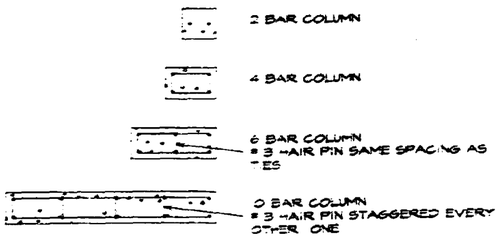


1 FOUNDATION PLAN
1/8" = 1'-0"



COLUMN TYPES

FOUNDATION NOTE

1) TOP OF FOOTING - (1'-4") BELOW EXISTING GRADE OR MATCH EXISTING.
2) DRILL & EPOXY FOOTING STEEL INTO EXISTING FOUNDATION FOR MIN OF 8", USE HY-50 EPOXY BY HILTI
3) PROVIDE 8 X 12 TDE W/ 2 #5 CONT FOR ALL FREE STANDING SLABS.

COLUMN SCHEDULE

MARK	TYPE	SIZE	REINFORCEMENT OR BASE PLATE	TIES OR CAP PLATE	REMARKS
A	CONC.	8 X 8	2 #5	N/A	
B	CONC.	8 X 20	6 #5	#5 @ 8"	TWO SETS OF TIES REQ'D
C	CONC.	8 X 24	6 #5	#5 @ 8"	TWO SETS OF TIES REQ'D
D	CONC.	8 X 12	4 #5	#5 @ 8"	
E	BLK.	8 X 48	10 #5	N/A	SEE DETAIL ON SHEET S-5
F	BLK.	SEE DETAIL	SEE DETAIL	N/A	SEE DETAIL ON SHEET S-5
G	CONC.	8 X 16	6 #6	#5 @ 8"	TWO SETS OF TIES REQ'D

FOOTING SCHEDULE

MARK	SIZE	REMARKS
WF-1	15 X 12	WITH 2 #5 CONT.
WF-2	10 X 12	WITH 3 #5 TOP & BOTTOM, #4 @ 12" TRANSVERSE BTM.
F-1	7'x7'x18"	6 # 5 TOP & BOTTOM EACHWAY
F-2	6'x6'x18"	# # 5 TOP & BOTTOM EACHWAY
F-3	6'x6'x12"	6 # 5 SWT & B 4 # 5 LWT & B

BEAM SCHEDULE

MARK	SIZE	REMARKS
RB-1	8 X 24	WITH 2 #7 TOP & BOTTOM #5 STIRRUPS @ 8" O.C.
RB-2	8 X 24	2 # 5 TOP & BOTTOM # 5 @ 10" O.C.

WALL LEGEND

- INDICATES COLUMN, SEE SCHEDULE FOR SIZE & REINFORCING.
- INDICATES COLUMN BELOW THIS LEVEL.
- INDICATES EXISTING 8" MASONRY WALLS
- INDICATES NEW 8" MASONRY WALLS
- MASONRY INFILL - SEE SHEET S-4 FOR DETAIL

ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

HOSPITALITY ARCHITECTURE & INTERIOR DESIGN
TELESCO ASSOCIATES
285 95TH STREET, SUITE 203
SURFSIDE, FL 33154
TEL 305 866 1014
FAX 305 866 3317
telesco@flo-beach.net
www.nightclub-design.com
LICENSE # AA-2684

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

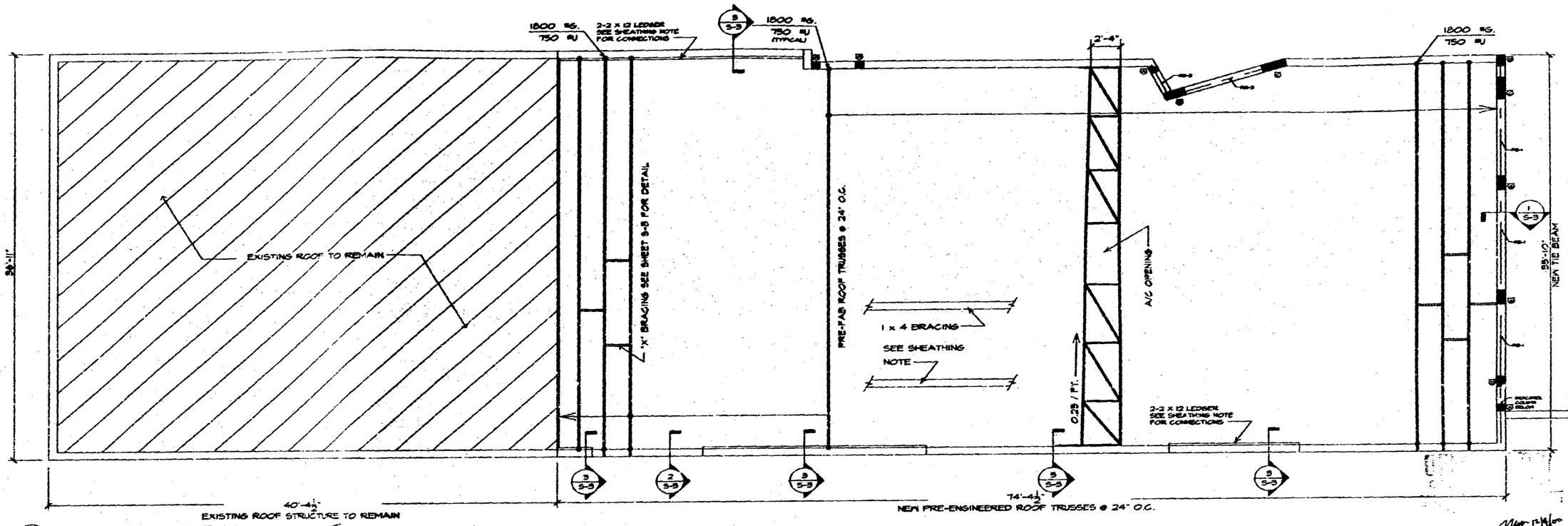
PROJECT No.: 00-50
DRAWN BY: LN
DATE: 1/07/00
REVISIONS:

Foundation Plan & Schedules

S-1

DRAWING No. 13 OF 22

05



ROOF REPLACEMENT PLAN
SCALE = 1/4" = 1'-0"

STRUCTURAL NOTES

1. ALL CONCRETE SHALL REACH A MINIMUM DESIRED ULTIMATE STRENGTH OF 3000 PSI IN 28 DAYS.

2. REINFORCING STEEL SHALL BE INTERMEDIATE GRADE A.S.T.M. A-615(60 KSI YEILD).

3. CONCRETE COVERAGE SHALL BE AS FOLLOWS:

GRADE BEAMS & FOOTINGS:
3" FROM BOTTOM TO TIES OR STIRRUPS
2" FROM TOP & SIDES

SLAB AT GRADE:
PROVIDE 2" COVER FOR BOTTOM STEEL
PROVIDE 1" COVER FOR TOP STEEL WHEN UNDER ENCLOSED PROTECTIVE COVER.

SLAB ABOVE GRADE:
PROVIDE 1 ½" COVER WHEN EXPOSED TO ELEMENTS FOR TOP REINFORCINGS.
PROVIDE 1" COVER TO BOTTOM REINFORCING.
PROVIDE 1" COVER TO TOP REINFORCING WHEN UNDER PROTECTIVE COVER.

ALL OTHER BEAMS & COLUMNS:
1 ½" COVER TO TIES AND STIRRUPS.

4. ROOF TRUSSES

ALL WOOD TRUSSES SHALL BE DESIGNED BY THE FABRICATOR. SHOP DRAWINGS BEARING THE SEAL OF AN ENGINEER REGISTERED IN THE STATE OF FLORIDA SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER FOR APPROVAL PRIOR TO FABRICATION TO ASSURE INTEGRITY OF THE STRUCTURE HAS NOT CHANGED DUE TO THE LOADING CONDITIONS. ROOF TRUSSES SHALL BE DESIGNED FOR 50 PSF GRAVITY LOADS AND 10 PSF DEAD LOAD RESISTING UP LIFT.

5. SLAB ON GRADE CONSTRUCTION JOINTS SHALL BE TOOLED OR SAW CUT (WITH 24 HOURS OF PLACING CONCRETE) THE JOINT PATTERN SHALL BE SQUARE AND LIMITED TO THE AREA NOT EXCEEDING 625 SQUARE FEET WITH AN ASPECT RATIO OF NOT MORE THAN 2:1

6. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH THE WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT AND ENGINEER FOR APPROPRIATE ACTION AND ALL WORK SHALL BE EXECUTED IN ACCORDANCE WITH ALL LOCAL AND NATIONAL BUILDING CODES AND GOVERNING REGULATIONS.

SOIL BEARING CAPACITY

1. A SUBSURFACE INVESTIGATION HAS BEEN COMPLETED AT THE PROJECT ADDRESS SITE BY DYNATECH ENG. CORP., 750 WEST 84TH STREET, HIALEAH, FL. TELEPHONE # (305) 828 - 7499 SOIL BOARING LOGS AND SITE PREPARATION PROCEDURES ARE INCLUDED IN THE PROJECT SOIL REPORT (DATE: SEPTEMBER 27, 2000), WHICH IS AN INTEGRAL PART OF THESE CONTRACT DOCUMENTS. ALL SITE WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE PROJECT SOIL REPORT.

2. DESIGN SOIL BEARING PRESSURE = 3000 PSF

3. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO PERFORM THE FOLLOWING TESTS.
   A. ONE DENSITY TEST FOR EACH 2000 SQ. FT. OF COMPACTED SUBGRADE AND COMPACTED FILL.

4. ALL SOIL AND FILL UNDER FLOORS AND WITHIN BUILDING SHALL HAVE SOIL TREATMENT FOR PROTECTION AGAINST TERMITES AS PER SECTION 2403.4.6 S.F.B.C DADE COUNTY EDITION 1994

SUPERIMPOSED LOADS:

1. ROOF TRUSSES
   LIVE LOAD 30 PSF
   ROOF DEAD LOAD 10 PSF
   CEILING DEAD LOAD 10 PSF

   FLOOR LOADS:

   LIVE LOAD 100 PSF
   DEAD LOAD 25 PSF

2. WIND LOADS:
   110 M.P.H. AS PER ANSI/ASCE 7-93
   CATEGORY I
   EXPOSURE C
   IMPORTANCE FACTOR 1.0
   UPLIFT ON ROOF STRUCTURE 33.0 PSF
   DEAD LOAD RESISTING UPLIFT: 10 PSF

ROOF SHEATHING NAILING SCHEDULE (3/4 CDX 10d GALV.)

(DO NOT USE MECHANICAL DEVICE)

A. NAIL ¾" PLYWOOD AT 6" O.C. WITH 10d NAILS THRU-OUT EXCEPT AT GABLE END 4'-0" O.C. FOR FIRST TWO TRUSSES

B. PROVIDE 1 X 4 CONT. BOTTOM CHORD BRACING @ 8' O.C.

C. ALL NAILS MUST BE RING SHANK GALVANIZED. ALL WOOD CONNECTORS MUST BE HOT DIP GALVANIZED

D. USE DTC TRUSS ANCHOR FOR ALL TRUSSES UNLESS OTHERWISE NOTED

E. 1/2" CDX PLYWOOD SOFIT AREA W/ 8d NAILS @ 6" O.C.

F. USE 3/4" CDX PLYWOOD FOR ALL EXTERIOR PARAPET WALL W/ 10d NAILS @ 6" O.C.

G. ANCHOR 2 - 2 X 12 TO EXISTING TIE BEAM W/ ⅜ DIA. X 10" LONG EXPANSION BOLTS @ 16" O.C.

HOSPITALITY ARCHITECTURE
INTERIOR DESIGN
TELESCO ASSOCIATES
280 95TH STREET, SUITE 203
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telesco@the-beach.net
LICENSE # AA-2884

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

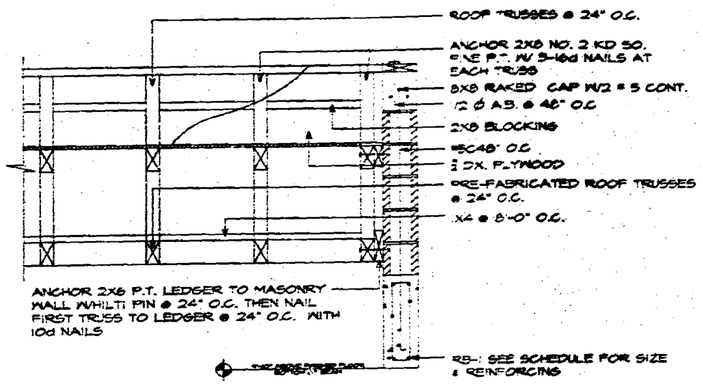
PROJECT NO. 00-50
DRAWN BY: LN
DATE: 11-07-00
REVISIONS

Typical Sections & Details

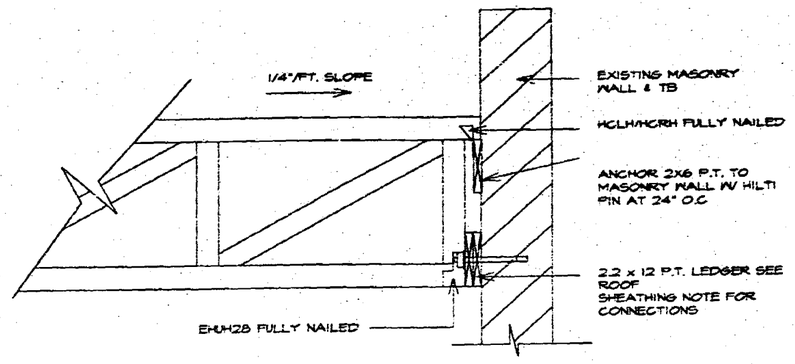
S-2

DRAWING No. 15 OF 22

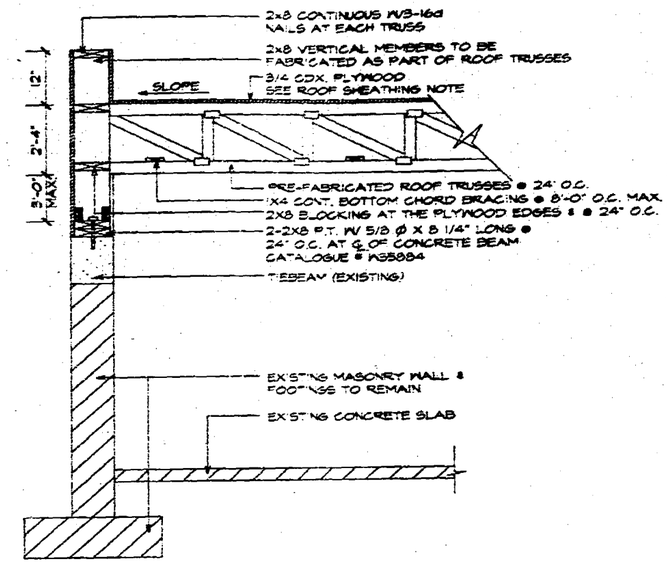
05



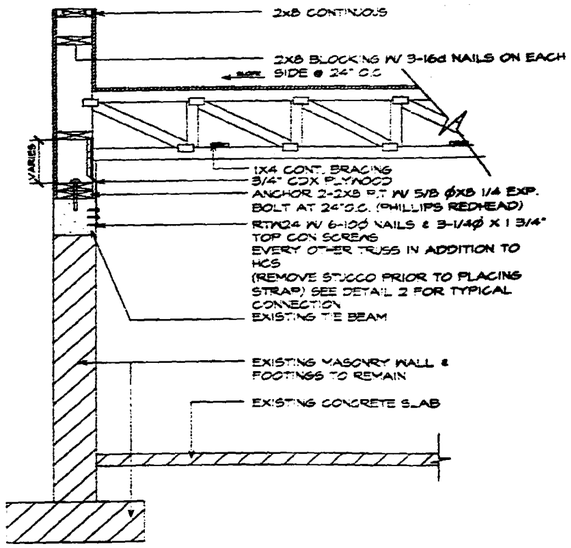
1 GABLE END DETAIL
3/4" = 1'-0"



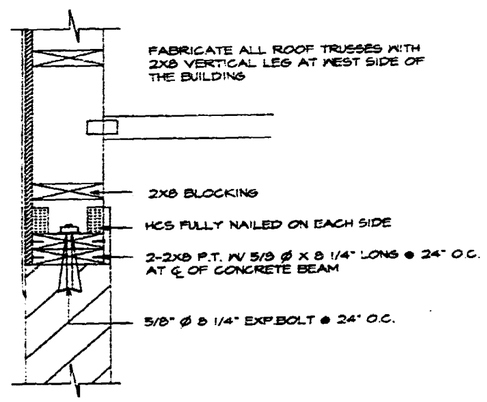
3 TYPICAL WALL SECTION
3/4" = 1'-0"



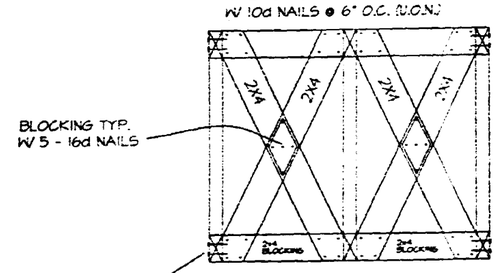
5 TYPICAL SECTION
3/4" = 1'-0"



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



4 TYPICAL TRUSS CONNECTION DETAIL
1 1/2" = 1'-0"



6 TYPICAL 'X' BRACING DETAIL
1 1/2" = 1'-0"

HOSPITALITY ARCHITECTURE & INTERIOR DESIGN
TELESCO ASSOCIATES
200 95TH STREET, SUITE 203
SURFSIDE, FL 33154
TEL 305 866 1014
FAX 305 866 3317
LICENSE # AA-3884

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

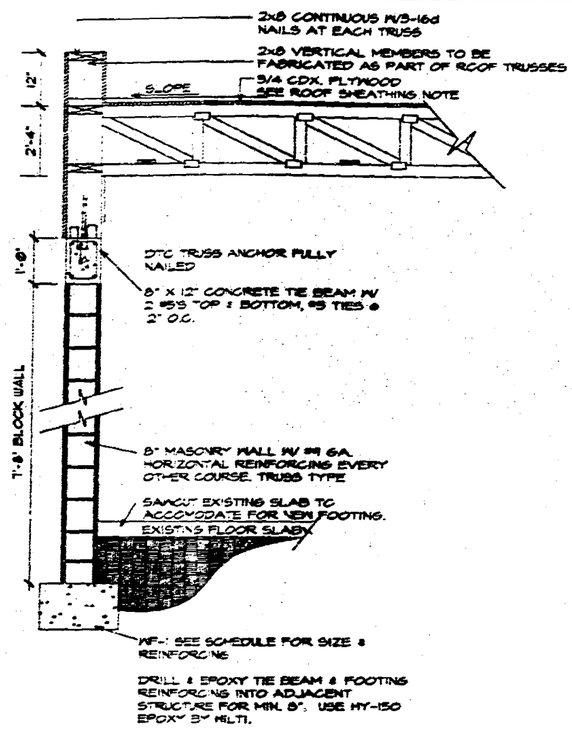
PROJECT No.: 00-50
DRAWN BY: LN
DATE: 11/01/00
REVISIONS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

Typical Sections & Details

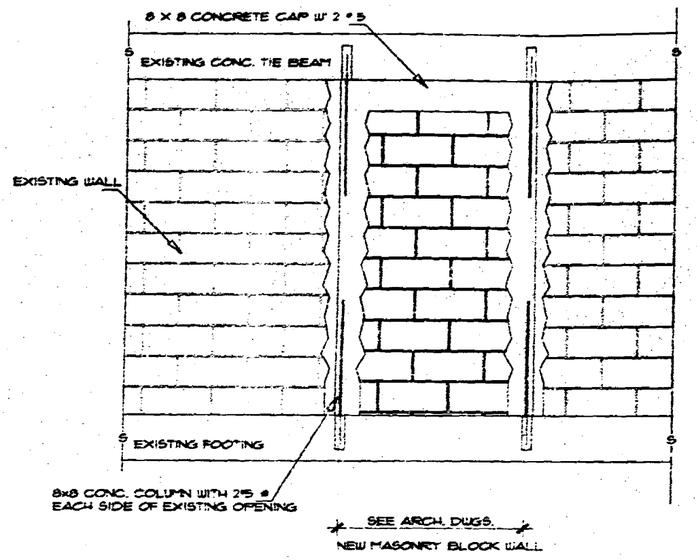
S-3

DRAWING No. 14 OF 22

05

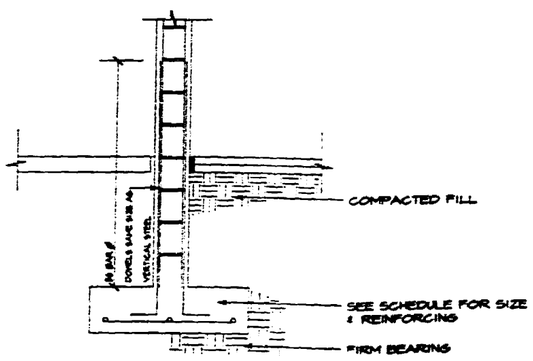


1 NEW MASONRY WALL SECTION
3/4" = 1'-0"

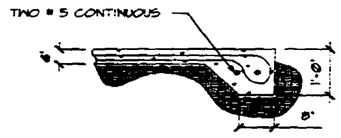


BLOCKING UP EXISTING OPENING

1. DRILL & EPOXY #5 FOR MINIMUM OF 8" INTO EXISTING TB. & FOOTING & FILL SOLID W/ 3000 PSI GROUT. (USE HILTI HY-150 EPOXY, 30" LAP).
2. USE HORIZONTAL REINFORCING #9 GAUGE LADDER TYPE EVERY OTHER COURSE
3. DRILL & EPOXY #5 @ 48"O.C WHEN OPENING EXCEEDS 4'-0" (MIN. 2 #5)
4. BREAK END WEBS OF EXISTING MASONRY BLOCK AND PLACE CONC. MONOLITHIC WITH 8X8 COLUMN.
5. REMOVE CAVITY CAP, FELT, ANY BOND BREAKER PRIOR TO PLACING CONCRETE



2 CONCRETE COLUMN DETAIL
3/4" = 1'-0"



3 THICKEND EDGE SLAB DETAIL
3/4" = 1'-0"

HOSPITALITY ARCHITECTURE & INTERIOR DESIGN
TELESCO ASSOCIATES
200 95TH STREET, SUITE 203
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RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

PROJECT NO. 00-50
DRAWN BY LN
DATE: 07-00
REVISIONS:

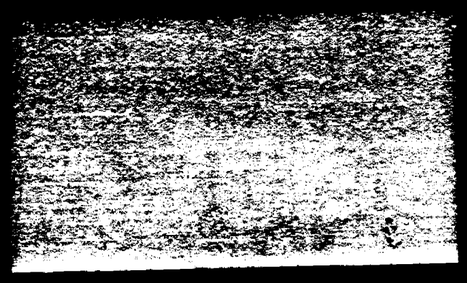
STRUCTURAL
ACCESSIBILITY:
ELEVATOR:

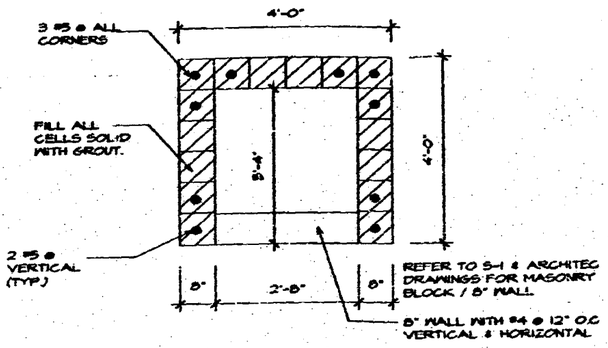
Typical Sections & Details

S-4

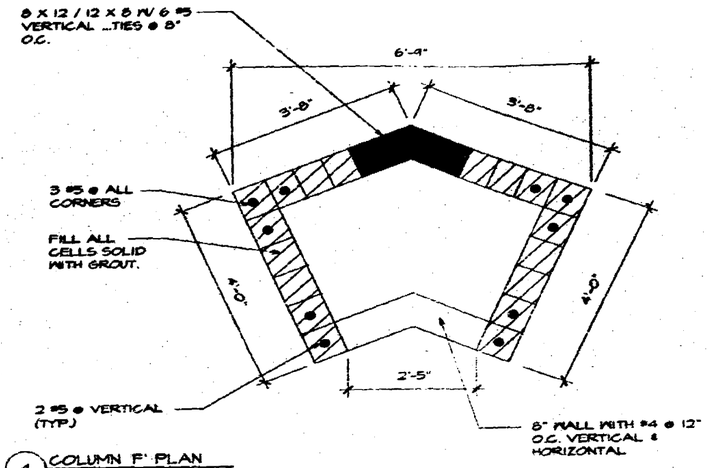
DRAWING No. 14 OF 22

05

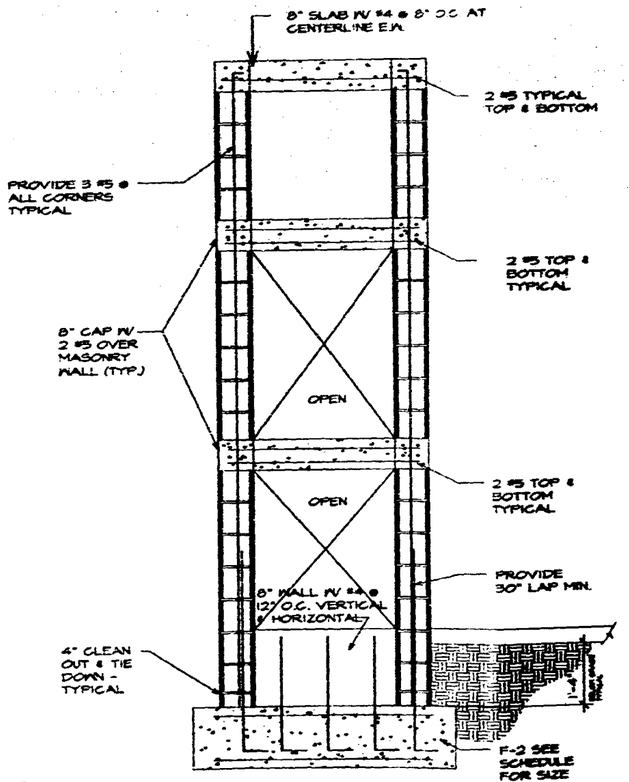




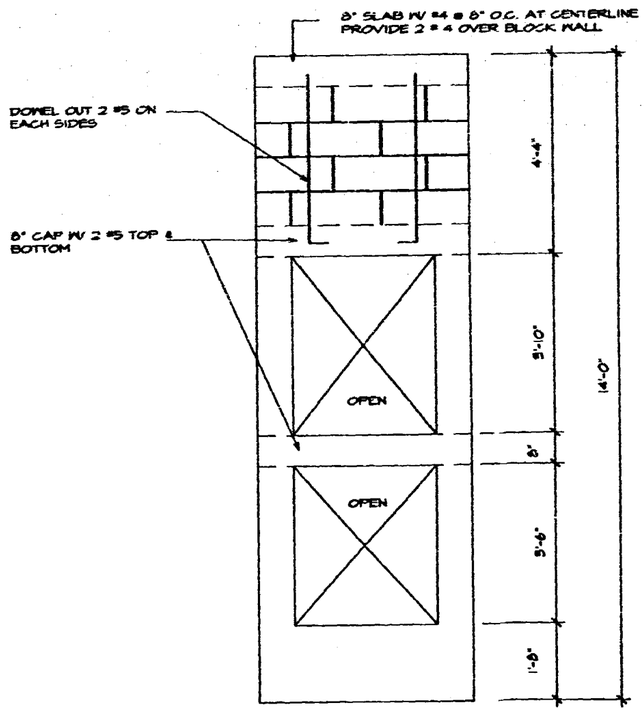
2 COLUMN 'E' PLAN
3/4" = 1'-0"



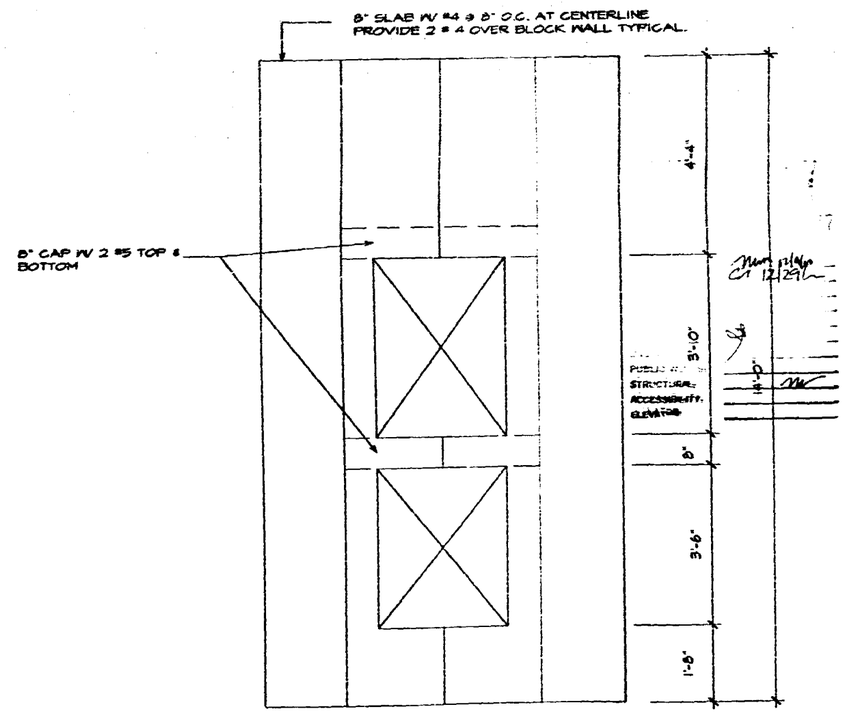
4 COLUMN 'F' PLAN
3/4" = 1'-0"



1 TYPICAL BLOCK COLUMN SECTION
3/4" = 1'-0"



3 COLUMN 'E' ELEVATION
3/4" = 1'-0"



5 COLUMN 'F' ELEVATION
3/4" = 1'-0"

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LICENSE # AA 2564

RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

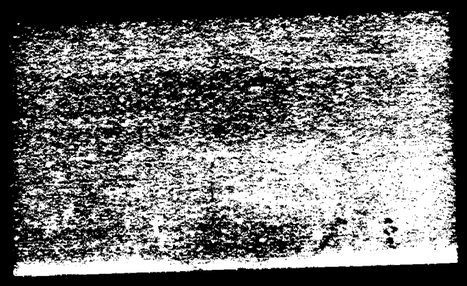
PROJECT No.: 00-50
DRAWN BY: LN
DATE: 07/00
REVISIONS:

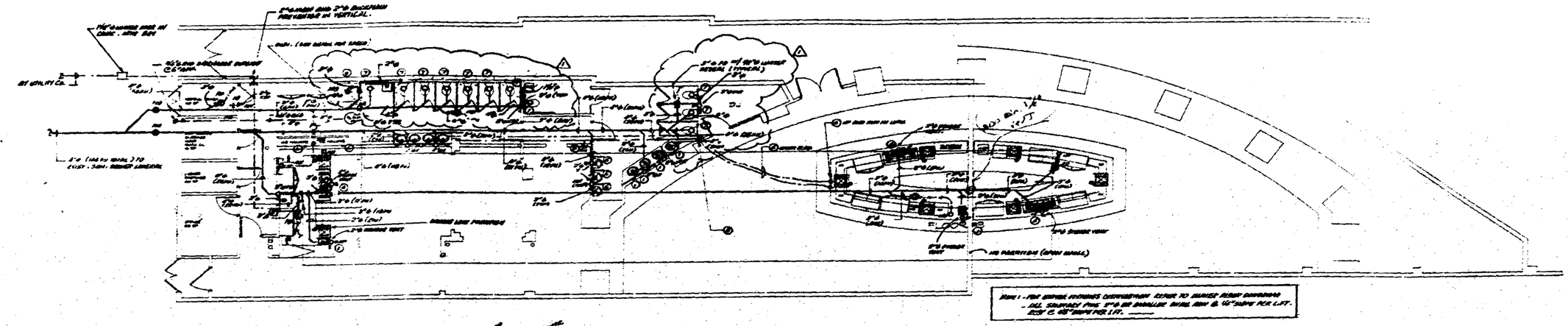
Column Details

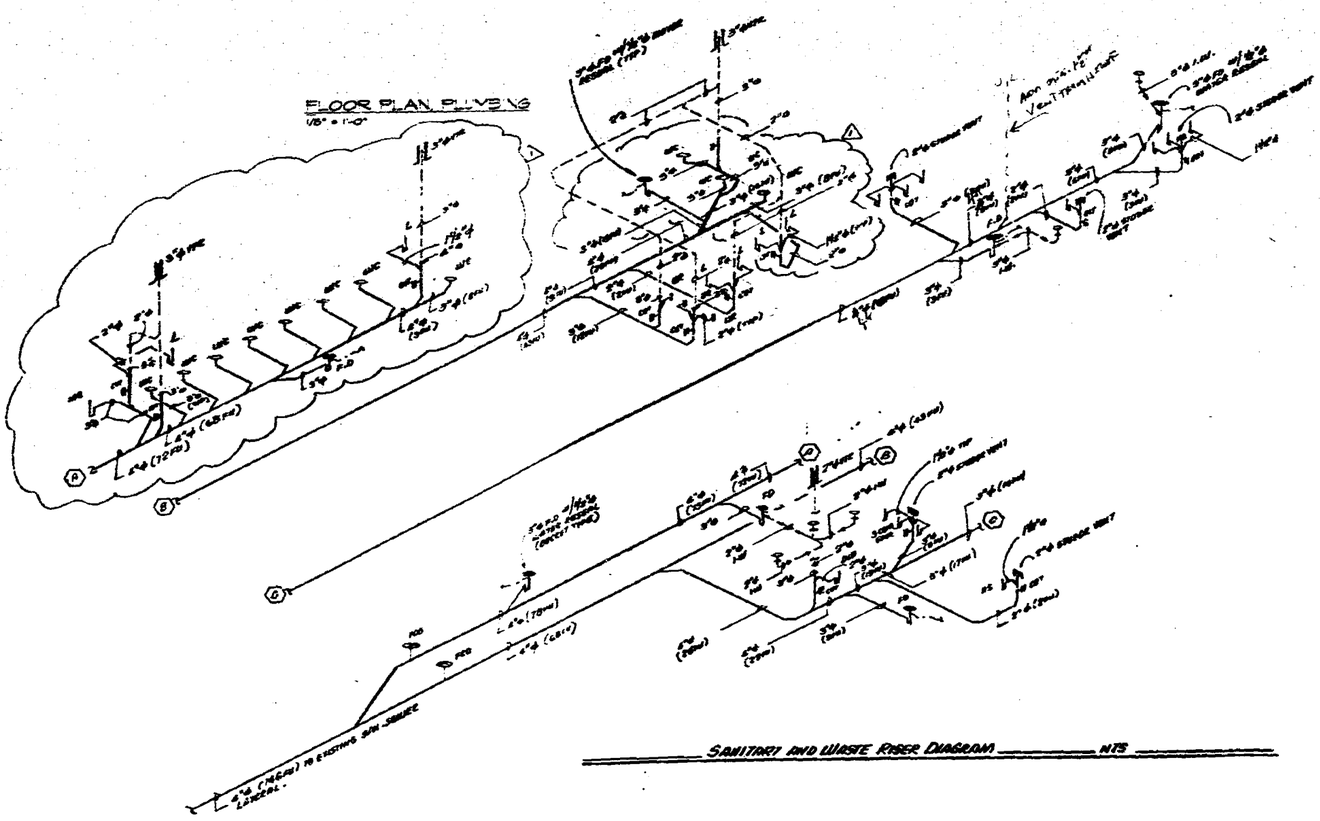
S-5

DRAWING No. 17 OF 22

05







SANITARY AND WASTE RISER DIAGRAM — NTS

GENERAL PLUMBING NOTES

ALL WORK SHALL CONFORM WITH ALL LOCAL, STATE, FEDERAL ORDINANCES AND BUILDING CODES GOVERNING THE INSTALLATION OF THE PLUMBING SYSTEM. IN WORK OR LAID OUT INCORRECTLY OR SPACED IS CONFLICTS WITH LOCAL ORDINANCES, BUILDING CODES AND REGULATIONS THE CONTRACTOR SHALL REPORT IT VERBALLY TO THE ARCHITECT/ENGINEER BEFORE PROCEEDING. IF THE ARCHITECT/ENGINEER DETERMINES SUBSTITUTING A PIPE, THE ARCHITECT/ENGINEER WILL THEN ISSUE INSTRUCTIONS AS HOW TO PROCEED.

2 THE DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC. NOT NECESSARILY SHOWING IN DETAIL OR TO SCALE ALL OF THE PIPING. UNLESS SPECIFIC DIMENSIONS ARE SHOWN, THE STRUCTURAL, ARCHITECTURAL AND SITE CONDITIONS SHALL GOVERN. THE EXACT LOCATION OF PIPING SHALL BE FOLLOW WHERE IT IS LAYING OUT WORK, CAREFUL STUDY OF ALL TRADES TO MINIMIZE CHANGES IN WORK WHICH MAY BE INSTALLED AND TAKE ANY NECESSARY HEAD ROOM AND SPACE CONDITIONS AT ALL POINTS WHERE HEAD ROOM OR SPACE CONDITIONS APPEAR INADEQUATE, ARCHITECT / ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH INSTALLATION. THE CONTRACTOR SHALL WITHOUT EXTRA CHARGE, MAKE FIELD CORRECTION IN LAYOUT AS NEEDED TO PREVENT CONFLICTS WITH WORK OF VARIOUS TRADES OR FOR PROPER EXECUTION OF THE WORK.

3 BEFORE ALL DRAWINGS CAREFULLY PRIOR TO SUBMITTING A BID CONTRACTOR WILL BE REQUIRED TO VERIFY, INSTALL AND/OR CORRECT ANY AND ALL APPARENT ERRORS, ALL PLUMBING WORK ON ANY OF THE ARCHITECTURAL, AIR CONDITIONING, ELECTRICAL AND SPRINKLER DRAWINGS WHICH AFFECT, OR MAY AFFECT, THE PLUMBING. IF CONTRACTOR'S CONFLICTS, INTERFERENCE OR OMISSIONS OCCUR BETWEEN DRAWINGS, NOTIFY IN WRITING THE ARCHITECT / ENGINEER 15 DAYS PRIOR TO BIDDING BEFORE THE BIDS ARE SUBMITTED.

4 INSTALL MATERIALS AND EQUIPMENT IN A NEAT AND FIRST CLASS WORKMANLIKE MANNER. THE OWNER RESERVES THE RIGHT TO DIRECT REMOVAL AND REPLACEMENT OF WORK WHICH, IN HIS OPINION, DID NOT PRESENT A NEAT AND WORKMANLIKE APPEARANCE. SUCH REMOVAL AND REPLACEMENT IS TO BE DONE IMMEDIATELY WHEN DIRECTED BY THE OWNER IN WRITING AT THE SOLE EXPENSE OF CONTRACTOR.

5 ANY DEPARTURE BY CONTRACTOR SHALL BE CONSIDERED AS ACCEPTANCE BY HIM OF ALL CLAIMS OR OBJECTIONS AS TO SUITABILITY OF THE WORK OF OTHER TRADES OR OTHER CONDITIONS TO ENSURE HIS WORK. THE CONTRACTOR SHALL REMOVE AND REPLACE, AT HIS EXPENSE, ALL PLUMBING WORK WHICH MAY HAVE TO BE REMOVED BECAUSE OF INTERFERENCE WITH OTHER TRADES.

6 THE CONTRACTOR SHALL OBTAIN AND PAY ALL PERMITS, FEES, PERMITS, ASSOCIATION DUES, ETC. THAT ARE AND THERE OF WHATEVER NATURE SHALL APPLY TO THE WORK. HE SHALL ALSO PAID ALL THE INSPECTION FEES AND TAXES REQUIRED BY LAW OR ORDINANCE AND SHALL KEEP THE OWNER HARMLESS FROM ANY DAMAGE AND EXPENSE ARISING THEREFROM. ANY VIOLATION OF LAWS, RULES OR ORDINANCES

7 PROVIDE PEARS "FURNISH AND INSTALL".

8 DO A COMPLETE JOB, EVERYTHING CONNECTED, READY FOR USE.

9 SHOP DRAWINGS: CONTRACTOR SHALL FURNISH THE ENGINEER WITH SHOP DRAWINGS OF EQUIPMENTS PRIOR TO PURCHASE FOR APPROVAL.

10 AT COMPLETION OF JOB THE PLUMBING CONTRACTOR SHALL GIVE THE OWNER AN AS-BUILT SET OF REPRODUCIBLES SEPIAS SHOWING THE EXACT LOCATION OF ALL THE INSTALLATIONS

11 PLUMBING CONTRACTOR SHALL PREPARE TEST ALL PIPING AS REQUIRED BY CODE. TEST SHALL BE WITNESSED AND APPROVED BY PROPER AUTHORITIES

12 THE PLUMBING CONTRACTOR SHALL WARRANT ALL WORKMANSHIP AND MATERIALS FOR ONE YEAR FROM THE DATE OF FINAL WORK ACCEPTANCE BY OWNER. ANY BREAKDOWN OCCURRING IN FIRST YEAR SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER.

13 PROVIDE BATHROOM FIXTURES AS SPECIFIED

14 PROVIDE SHUT-OFF VALVE FOR EACH FIXTURE.

15 WHEREVER DISSIMILAR METALS ARE TO BE JOINED, AS ELECTRIC FITTING SHALL BE PROVIDED TO CORRECT SUCH TYPES OF PIPES

16 PLUMBING CONTRACTOR SHALL PROVIDE AIR CONDITIONING COORDINATE DRAIN AND TRAP SIZE AIR CONDITIONING PLANS FOR LOCATION OF UNITS AND DRAINS

17 MATERIALS:
- A) COLD WATER PIPING DOWNSTREAM OF WATER METER SHALL BE TYPE "L" COPPER BELOW GROUND AND TYPE "M" COPPER ABOVE GROUND
- B) SOLD WATER PIPING INSIDE OF BUILDING SHALL BE TYPE "M" COPPER
- INSTALL PIPING PER LATEST CODE. NO JOINTS PERMITTED INSIDE SLAB
- C) SANITARY WASTE AND VENT PIPING INSIDE OF BUILDING SHALL BE CAST IRON HUBLESS SOIL PIPE
- STORM LINES OUTSIDE BUILDING IN PAVING AREA SHALL BE CORRUGATED ALUMINUM PIPE
- D) IN COASTAL AREAS ALL SANITARY AND STORM PIPING OUTSIDE OF BUILDING SHALL BE SCHEDULE 40 PVC
- E) CONDENSATE DRAIN PIPE SHALL BE SCHEDULE 40 PVC PIPE AND FITTINGS
- WATER HEATER RELIEF AND DRAIN LINE SHALL BE TYPE "L" COPPER.

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

PLUMBING	
ELECTRICAL	
MECHANICAL	
FIRE PREVENTION	
PLANNING	
PUBLIC WORKS	
STRUCTURAL	
ACCESSIBILITY	
ELEVATOR	

TELESCO & ASSOCIATES
260 95th STREET, SUITE 203
SURFSIDE, FLORIDA 33154
PHONE: (305) 866-1014
FAX: (305) 866-3317

RAIN
RENOVATIONS
323 23RD STREET
MIAMI BEACH, FL 33139

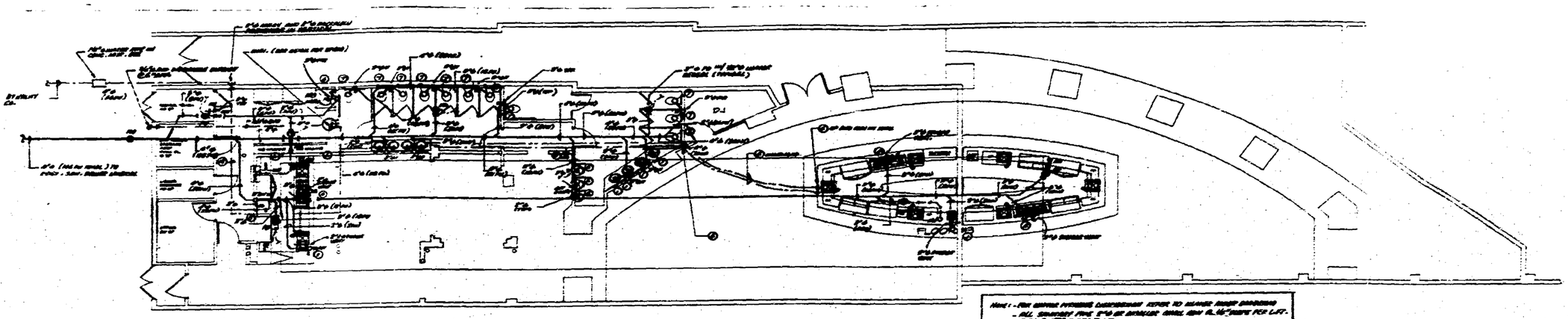
PROJECT NO.:
DRAWN BY: LMR
DATE: 01/8/00
REVISIONS:
1 PER B.B.C. 10/16/2000

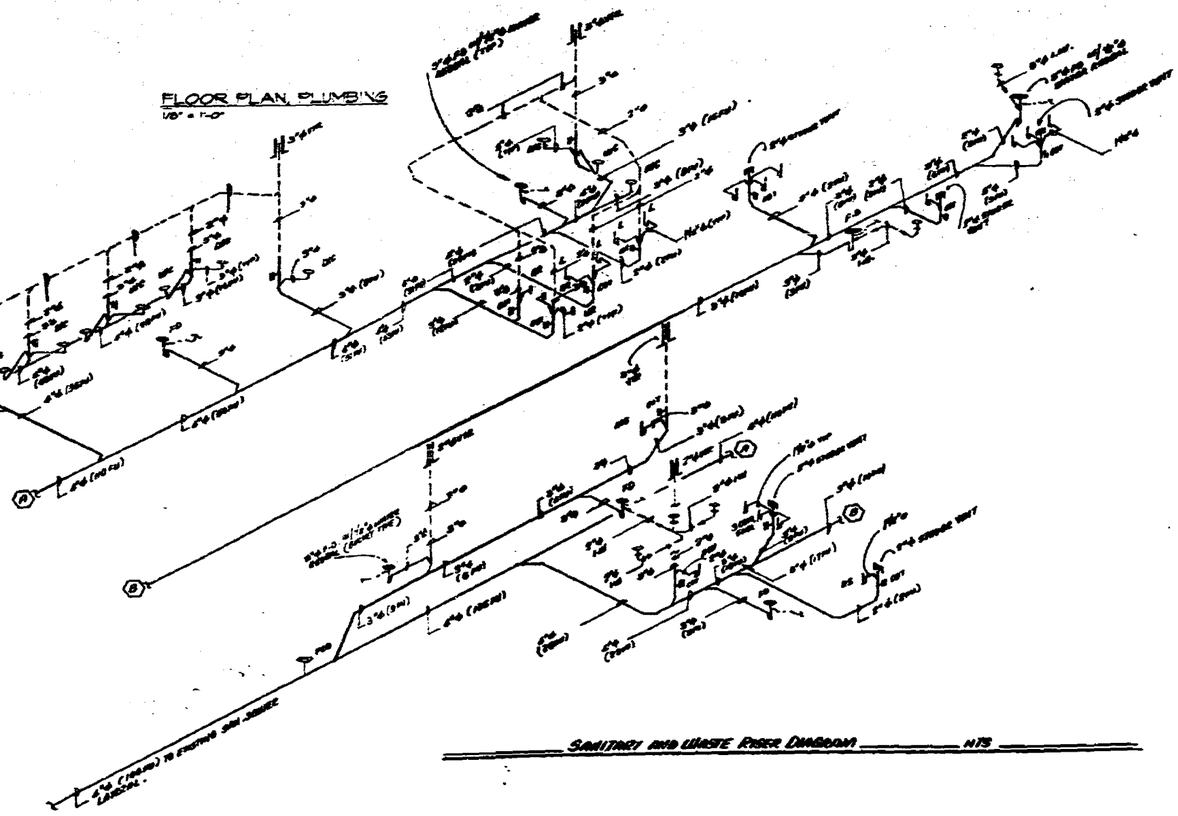
FLOOR PLAN.
PLUMBING

P-1

T. PACK RHEA P.E.
CONSULTING ENGINEER, LIC. 4027 FLA
[illegible] SW 5 STREET • 3
(305) 949 [illegible] FAX (305) 553 2278
MIAMI, FLORIDA 33144

05





FLOOR PLAN, PLUMBING
1/8" = 1'-0"

SANITARY AND WASTE RISER DIAGRAM — N.T.S.

GENERAL PLUMBING NOTES

ALL WORK SHALL CONFORM WITH ALL LOCAL, STATE, FEDERAL, AND BUILDING CODES GOVERNING THE INSTALLATION OF THE PLUMBING SYSTEM. IF WORK AS LAID OUT, INDICATED, OR SPECIFIED IS CONTRARY TO OR CONFLICTS WITH LOCAL ORDINANCES, REGULATIONS, CODES, AND REGULATIONS, THE CONTRACTOR SHALL REPORT IN WRITING TO THE ARCHITECT/ENGINEER BEFORE SUBMITTING A BID. THE ARCHITECT/ENGINEER WILL THEN ISSUE INSTRUCTIONS AS HOW TO PROCEED.

THE DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC NOT NECESSARILY SHOWING IN DETAIL OR TO SCALE ALL OF THE WORK TO BE DONE. PLUMBING DRAWINGS ARE SHOWN AS THE MORE HELPFUL PLANS SPECIFIC DIMENSIONS ARE SHOWN ON STRUCTURAL, ARCHITECTURAL AND SITE CONDITIONS SHALL GOVERN THE EXACT LOCATIONS. CONTRACTOR SHALL FOLLOW DRAWINGS IN LAYING OUT WORK, CHECK DIMENSIONS OF ALL SPACES TO VERIFY FITTINGS IN WHICH WORK WILL BE INSTALLED AND PROVIDE ANY OFFSETS, HEAD ROOM, OR SPACE CONDITIONS AT ALL POINTS WHERE HEAD ROOM OR SPACE CONDITIONS APPEAR INSUFFICIENT. ARCHITECT/ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY CONFLICTS WITH INSTALLATION. THE CONTRACTOR SHALL WITHOUT EXTRA CHARGE, MAKE FIELD CORRECTIONS IN LAYOUT AS DIRECTED TO PREVENT CONFLICT WITH WORK OF VARIOUS TRADES OR FOR PROPER EXECUTION OF THE WORK.

BEFORE ALL DRAWINGS CAREFULLY PRIOR TO SUBMITTING A BID CONTRACTOR SHALL BE REQUIRED TO THOROUGHLY INSTALL AND/OR CONNECT WITH APPROPRIATE SERVICES ALL PLUMBING ITEMS SHOWN ON ANY OF THE ARCHITECTURAL, AIR CONDITIONING, ELECTRICAL, AND SPRINKLER DRAWINGS STRICTLY ADDITIONAL EXPENSE TO THE OWNER, IF DISCREPANCIES, CONFLICTS, INTERFERENCES OR OMISSIONS OCCUR BETWEEN DRAWINGS, SPECIFICATIONS THE ARCHITECT/ ENGINEER IN APPLIES TYPE TO PRESENT CONDITIONS BEFORE THE WORK ARE SUBMITTED.

ALL INSTALL PLUMBING AND EQUIPMENT IN A NEAT AND WORKMANLIKE MANNER. THE OWNER'S REPRESENTATIVE SHALL HAVE THE RIGHT TO DIRECT REMOVAL AND REINSTALLATION OF ITEMS WHICH, IN HIS OPINION, DO NOT PRESENT A NEAT AND WORKMANLIKE APPEARANCE. REMOVAL AND REINSTALLATION IS TO BE DONE EXPEDITIOUSLY WHEN DIRECTED BY THE OWNER IN WRITING, AT THE SOLE EXPENSE OF CONTRACTOR.

SUBMIT OF WORK BY CONTRACTOR SHALL BE CONSIDERED AS ACCEPTANCE BY HIM OF ALL CONDITIONS AND SATISFACTORY AS TO SUITABILITY OF THE WORK OF OTHER TRADES ON WHICH CONTRACTORS TO RECEIVE HIS WORK. THE CONTRACTOR SHALL REPAIR AND REPLACE, AT HIS EXPENSE, ALL PLUMBING WORK WHICH MAY HAVE TO BE REMOVED BECAUSE OF INTERFERENCE WITH OTHER TRADES.

ALWAYS CONTRACTOR SHALL OBTAIN AND PAY ALL PERMANENT FEES PERMITS, ASSOCIATION DUES, INSTALLATION AND TAXES OF GOVERNMENT AGENCIES SHALL APPLY TO THIS WORK. HE SHALL ALSO PAID ALL THE INSPECTION FEES AS "PAY" REQUIRED BY LAW OR ORDINANCE AND SHALL KEEP THE OWNER HARMLESS FROM ANY DAMAGE AND EXPENSE ARISING FROM ANY VIOLATION OF LAWS, RULES OR ORDINANCES.

"PROVIDE" MEANS "FURNISH AND INSTALL".

ADD A COMPLETE JOB, EVERYTHING CONNECTED, READY FOR USE.

SHOP DRAWINGS: CONTRACTOR SHALL SUBMIT TO THE ENGINEER SHOP DRAWINGS OF EQUIPMENTS PRIOR TO PURCHASE FOR APPROVAL.

UPON COMPLETION OF JOB, THE PLUMBING CONTRACTOR SHALL GIVE THE OWNER AN AS-BUILT SET OF REPRODUCIBLES WITHIN SHOWING THE EXACT LOCATION OF ALL INSTALLATIONS.

PLUMBING CONTRACTOR SHALL PERFORM TEST ALL PIPING AS REQUIRED BY CODE. "TEST" SHALL BE WITNESSED AND APPROVED BY PROPER AUTHORITIES.

THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT AND MATERIALS FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY OWNER. ANY DEFECTIVE EQUIPMENT OR PART THEREOF SHALL BE REPLACED AT NO EXPENSE TO THE OWNER.

DEPRESSED BATHROOM FIXTURES AS SPECIFIED.

HOT PROVIDE SHUT-OFF VALVE FOR EACH FIXTURE.

SHOWER AND LAVATORY METALS ARE TO BE JOINED, A DI-ELECTRIC FITTING SHALL BE PROVIDED TO CONNECT BOTH TYPES OF METAL.

PLUMBING CONTRACTOR SHALL PROVIDE AND COORDINATE COORDINATE DRAIN AND WASTE SIZE AIR CONDITIONING PLANS FOR LOCATION OF UNITS AND DRAINS.

TOILETS:
- WOOD SHOWN HAVING DOWNTHROW OF WATER TO BE SHALL BE TYPE "L" COPPER BELOW GROUND AND TYPE "K" COPPER ABOVE GROUND WATER PIPING INSIDE OF SLAB SHALL BE TYPE "K" SOFT COPPER.
- SEWAGE, WASTE, SOIL VENT PIPING UNDER SLAB SHALL BE CAST IRON SOIL PIPE CONCRETE ENCASED.
- CONCRETE LINED SEWER BUILDING SHALL BE CAST IRON HUBLESS SOIL TYPE SEWER LINES OUTSIDE BUILDING IN PARKING AREA SHALL BE CORRUGATED ALUMINUM.
- ON COASTAL AREAS ALL SANITARY AND STORM PIPING OUTSIDE OF BUILDING SHALL BE SCHEDULE 40 PVC.
- CONDENSATE DRAIN PIPING SHALL BE SCHEDULE 40 PVC PIPE AND FITTINGS
- WATER HEATER RELIEF AND DRAIN LINE SHALL BE TYPE "L" COPPER, M

NOTE: THIS IS "NO CHANGE ENVIRONMENT", NO CHANGE ANTICIPATED IS MADE.

OFFICE COPY

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CONSULTING ENGINEER, LIC. 46211 FLA.
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MIAMI, FLORIDA 33174

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260 95th STREET, SUITE 203
SURFSIDE, FLORIDA 33154
PHONE: (305) 866-1014
FAX: (305) 866-3317

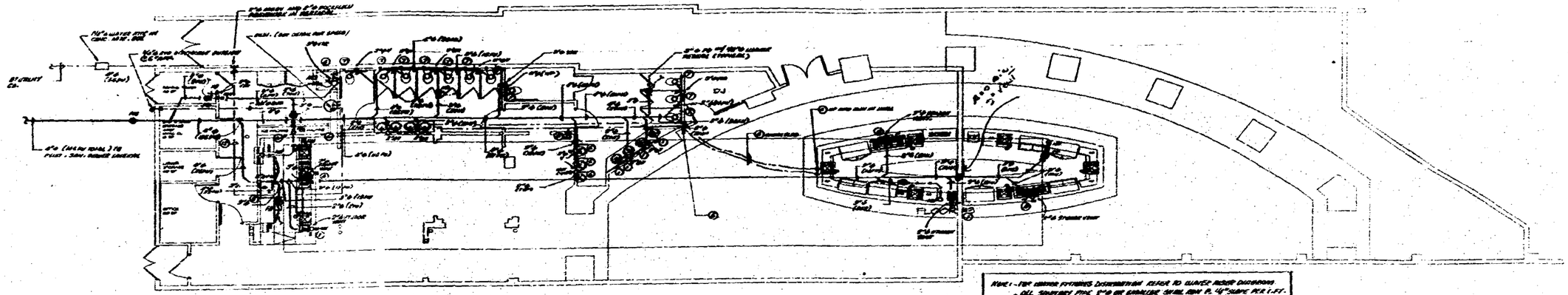
RAIN RENOVATIONS
323 23RD STREET
MIAMI BEACH, FL 33139

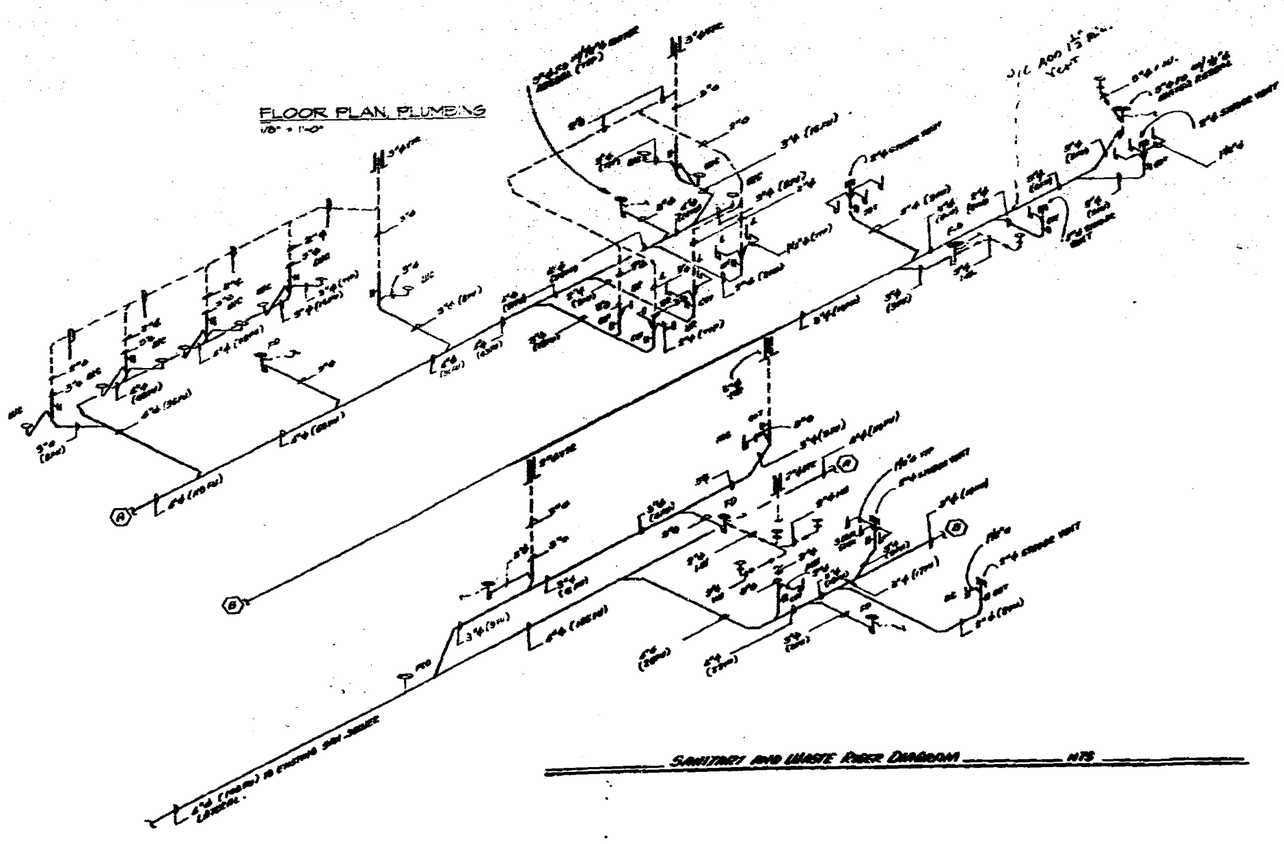
PROJECT No. :
DRAWN BY: LM/TR
DATE: 01/6/00
REVISIONS:

VOID

P-1

05





FLOOR PLAN, PLUMBING

SANITARY AND WASTE RISER DIAGRAM — NTS

GENERAL PLUMBING NOTES

1. ALL WORK SHALL CONFORM WITH ALL LOCAL, STATE, FEDERAL ORDINANCES AND BUILDING CODES GOVERNING THE INSTALLATION OF THE PLUMBING SYSTEMS. IF ANY OF AND SAID, INDICATED OR SPECIFIED IS CONFLICT TO OR CONFLICTS WITH LOCAL ORDINANCES, BUILDING CODES AND MINIMUM ACTIONS, THE CONTRACTOR SHALL REPORT IN WRITING TO THE ARCHITECT/ENGINEER BEFORE SUBMITTING A BID. THE ARCHITECT/ENGINEER WILL THEN ISSUE INSTRUCTIONS AS HOW TO PROCEED.

2. THE DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC, NOT NECESSARILY SHOWING IN DETAIL OR TO SCALE ALL OF THE MINOR ITEMS INVOLVED. SPECIFIC DIMENSIONS ARE SHOWN. THE STRUCTURAL, ARCHITECTURAL AND SITE CONDITIONS SHALL GOVERN THE EXACT LOCATIONS. CONTRACTOR SHALL FOLLOW DIMENSIONS IN LAYING OUT WORK. CHECK DIMENSIONS OF ALL PIPING TO VARIETY SPACES IN WHICH WORK WILL BE INSTALLED AND THOROUGHLY ACQUAINT HIMSELF WITH SPACE CONDITIONS AT ALL POINTS WHERE HEAD ROOM, OR SPACE CONDITIONS ARE MORE RESTRICTIVE, ARCHITECT/ENGINEER SHALL BE APPRISED IMMEDIATELY. ANY DEVIATION FROM THE DRAWINGS OR SPECIFICATIONS WITH INSTALLATION THE CONTRACTOR SHALL WITHOUT EXTRA CHARGE, MAKE SUCH MODIFICATION IN LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF VARIOUS TRADES OR FOR PROPER EXECUTION OF THE WORK.

3. BEFORE ALL DRAWINGS CAREFULLY PRIOR TO SUBMITTING A BID CONTRACTOR WILL BE REQUIRED TO THOROUGHLY INSTALL AND/OR CONNECT WITH APPROXIMATE EQUIPMENT ALL PIPING ITEMS SHOWN ON ANY OF THE ARCHITECTURAL, AIR CONDITIONING, ELECTRICAL AND SPRINKLER DRAWINGS WHICH ADDITIONAL EXPENSE TO THE OWNER IF DISCREPANCIES, CONFLICTS, INTERFERENCES OR OMISSIONS OCCUR BECAUSE THIS DIRECTIVE NOTIFY IN WRITING THE ARCHITECT/ENGINEER IN ARTICLE TYPE TO PERMIT REVISIONS BEFORE THE BIDS ARE SUBMITTED.

4. INSTALL MATERIALS AND EQUIPMENT IN A NEAT AND TIDY CLOSE WORKMANLIKE FASHION. THE OWNER RESERVES THE RIGHT TO DIRECT REMOVAL AND REINSTALLATION OF ITEMS WHICH IN HIS OPINION, DO NOT PRESENT A NEAT AND WORKMANLIKE APPEARANCE. WORK NOT SO INSTALLED, ACCEPT & "O" BE DONE AFTERWARDS, WHEN DIRECTED BY THE OWNER IN WRITING, AT THE SOLE EXPENSE OF CONTRACTOR.

5. NO PART OF WORK BY CONTRACTOR SHALL BE CONSIDERED AS ACCEPTANCE BY HIM OF ALL CLOSE OR OPERATIONS AS TO SUITABILITY OF THE WORK OF OTHER TRADES OR OTHER CONDITIONS TO RECEIVE HIS WORK. THIS CONTRACTOR SHALL REMOVE AND REPLACE, AT HIS EXPENSE, ALL PLUMBING WORK WHICH HAVE TO BE REMOVED BECAUSE OF INTERFERENCE WITH OTHER TRADES.

6. THIS CONTRACTOR SHALL OBTAIN AND PAY ALL LICENSES, FEES, PERMITS, ASSOCIATION DUES, ROYALTIES AND TAXES OF LABOR AND NUISANCE SHALL APPLY TO THIS WORK. HE SHALL ALSO PAY ALL THE INSPECTION FEES AS MAY BE REQUIRED BY LAW OR ORDINANCE AND TO PAY ALL PENALTIES OR FINES IN CASE OF DEFAULT AND TO INDEMNIFY THE OWNER FROM ANY VIOLATION OF LAWS, RULES OR ORDINANCES.

7. PROVIDE ITEMS "FURNISH AND INSTALL".

8. DO A COMPLETE JOB, EVERYTHING CONNECTED READY FOR USE.

9. SHOP DRAWINGS: CONTRACTOR SHALL FURNISH THE ENGINEER WITH SHOP DRAWINGS OF EQUIPMENTS PRIOR TO PURCHASE FOR APPROVAL.

10. AT COMPLETION OF JOB, THE PLUMBING CONTRACTOR SHALL GIVE THE OWNER AN AS BUILT SET OF REPRODUCIBLE REPLAN SHOWING THE EXACT LOCATION OF ALL INSTALLATIONS.

11. PLUMBING CONNECTIONS SHALL PASS THE FINAL TEST ALL FITTINGS AS REQUIRED BY CODE. TEST SHALL BE WITNESSED AND APPROVED BY PROPER AUTHORITIES.

12. THE PLUMBING CONTRACTOR SHALL WARRANT ALL WORKMANSHIP AND MATERIALS FOR ONE YEAR FROM THE DATE OF FINAL WORK ACCEPTANCE BY OWNER, ANY WORK ACCORDING TO THIS FIRST YEAR SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER.

13. PROVIDE [illegible] FIXTURES AS SPECIFIED.

14. PROVIDE SHUT-OFF VALVE FOR EACH FIXTURE.

15. WHERE NON UNIFORM METALS ARE TO BE JOINED, A DI-ELECTRIC FITTING SHALL BE PROVIDED TO CONNECT BOTH TYPES OF PIPES.

16. PLUMBING CONTRACTOR SHALL PROVIDE AIR CONDITIONING CONDENSATE DRAIN AND TRAP SIZE AND LOCATIONS PLEASE FOR LOCATION OF UNITS AND DRAINS.

17. MATERIALS:
A. WATER PIPING: DOMESTIC OF WATER SYSTEM SHALL BE COPPER TYPE "L" CONCEALED LOW GROUND AND TYPE "K" EXPOSED ABOVE GROUND.
B. COLD WATER PIPING: HANGE OF SLAB SHALL BE TYPE "K" SOFT COPPER INSTALL WHERE POSSIBLE. TYPE CONDUIT NO JOINTS PERMITTED UNDER SLAB.
C. SANITARY WASTE AND VENT PIPING AND SYSTEM SHALL BE PVC SCH. 40
D. STORM LINES OUTSIDE BUILDING IN PLANTING AREA SHALL BE CORRUGATED ALUMINUM PIPE.
E. IN COASTAL AREAS ALL SANITARY AND STORM PIPING OUTSIDE OF BUILDING SHALL BE SCHEDULE 40 PVC.
F. CONDENSATE DRAIN PIPE SHALL BE SCHEDULE 40 PVC PIPE AND FITTINGS
G. WATER HEATER RELIEF AND DRAIN LINE SHALL BE TYPE "L" COPPER.

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RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

PROJECT No. 00-50
DRAWN BY: JM/TR
DATE: 07.00
REVISIONS

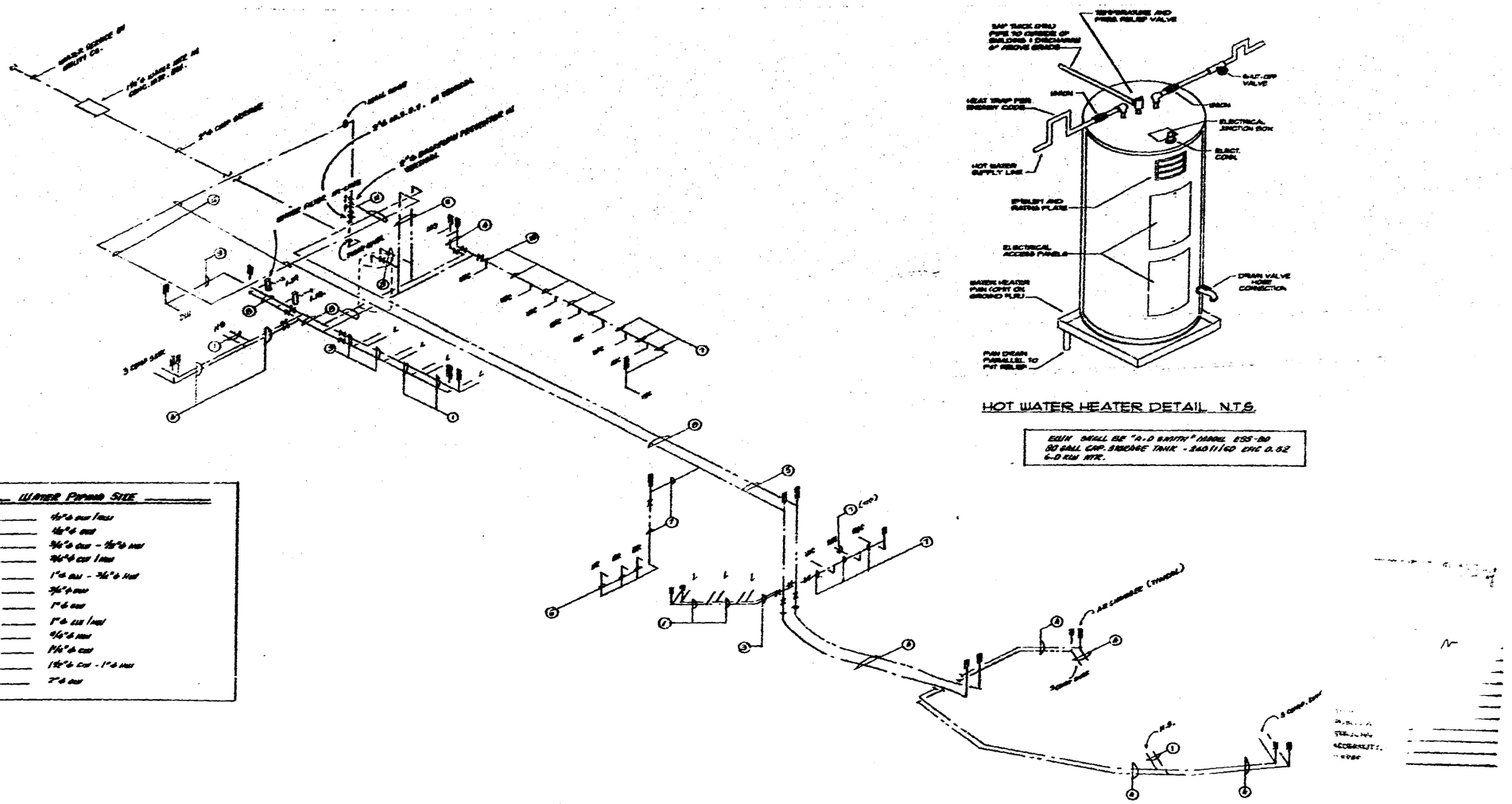
Plumbing

VOID

P-1

DRAWING No. 18 OF 22

05



EWH SHALL BE "A.O SMITH" MODEL ESS-80
80 GALL CAP. STORAGE TANK - 240/1/60 EFIC 0.62
6.0 KW HTR.

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Plumbing

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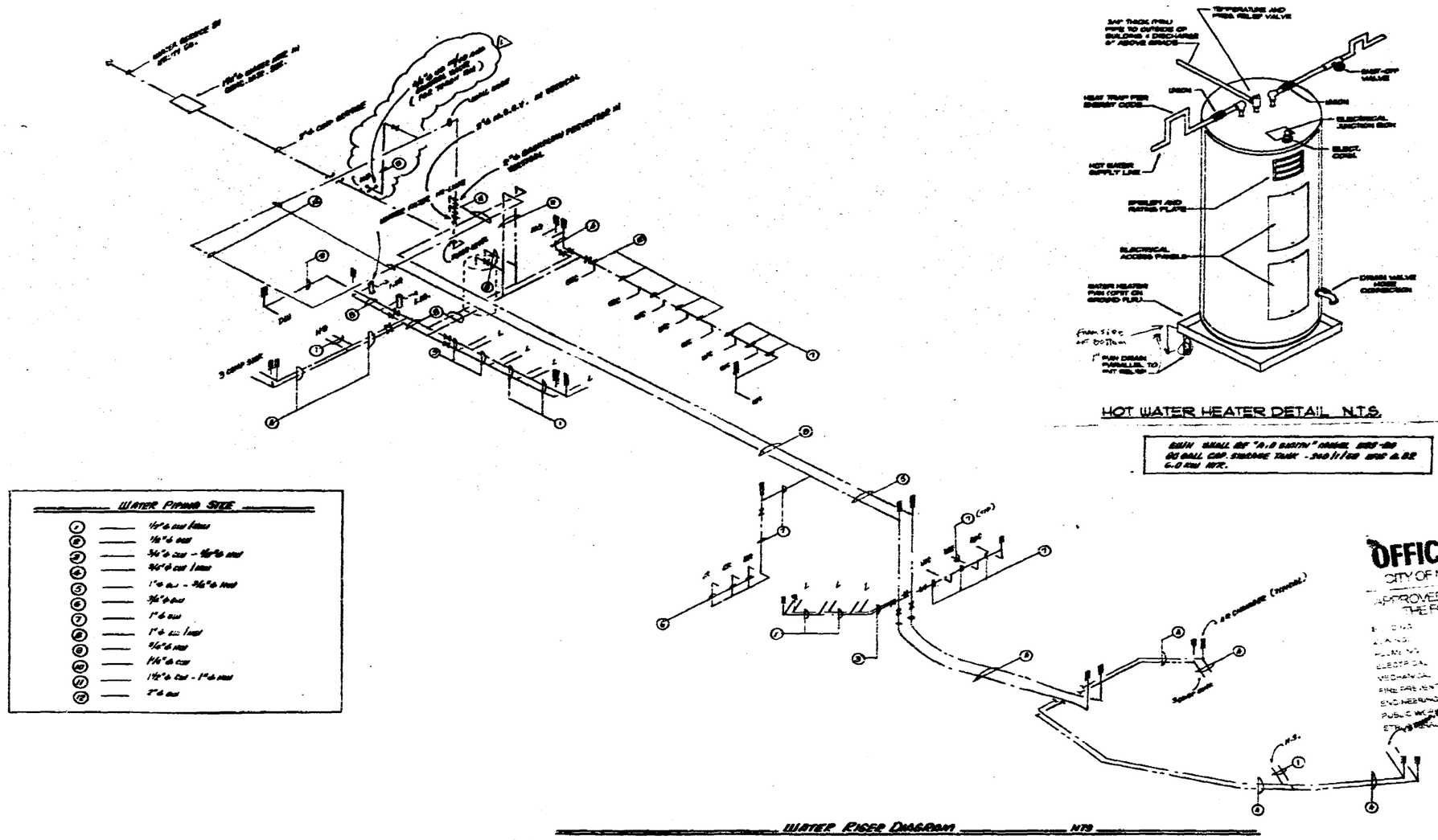
P-2

DRAWING No. 19 OF 22

05



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CITY OF MIAMI BEACH
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RAIN RENOVATIONS
323 23RD STREET
MIAMI BEACH, FL 33139

PROJECT No.:
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FLOOR PLAN, PLUMBING

P-2

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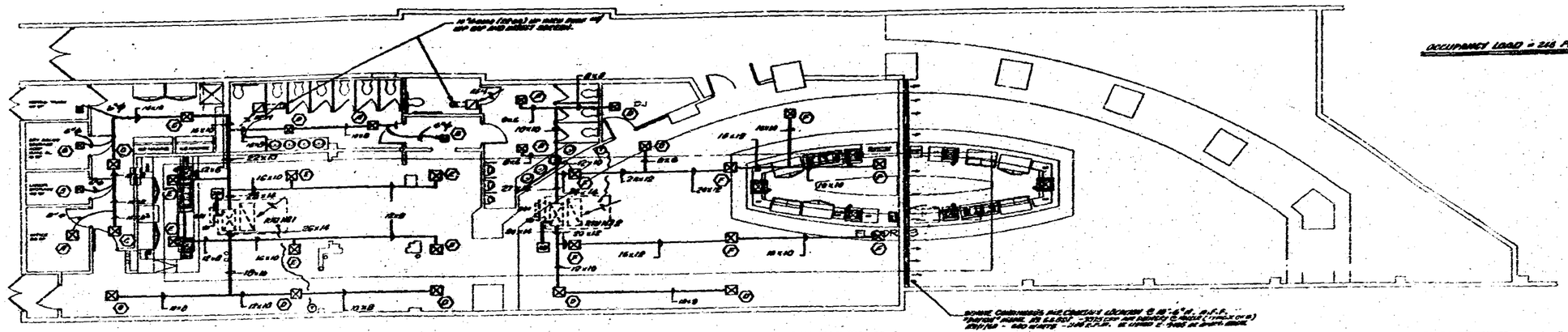
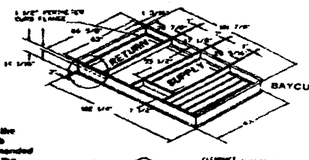


FLOOR PLAN, MECHANICAL

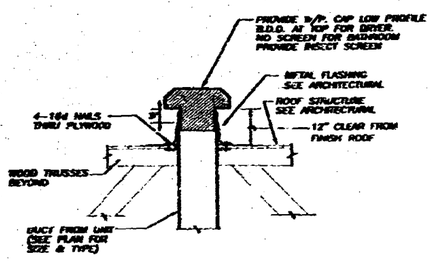
1/8" = 1'-0"

AIR DIFFUSER SCHEDULE

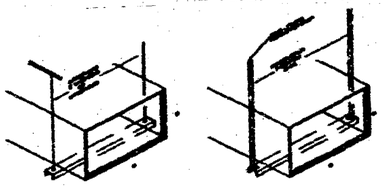
- (A) — 8"ø CD — 150 CFM — 4W
- (B) — 6"x6" CD — 300 CFM — 10W
- (C) — 12"x12" CG — 700 CFM — 40W
- (D) — 12"x12" CD — 350 CFM — 21W
- (E) — 12"x12" CD — 470 CFM — 40W
- (F) — 12"x12" CD — 560 CFM — 40W



NOTE:
Duct flanges mount 7-7/16" down inside the curb on the 1½" curb flanges. See recommended duct dimensions on the next page.



TYPICAL FLAT ROOF CAP



HANGERS AND SUPPORTS

OUTSIDE AIR INTAKE CALCULATION (Comb. 30 min rated)

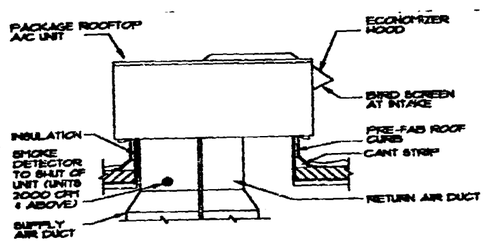
Occupancy Load = 246 PERS @ 15 cfm / PERS = 3720 cfm OF O.A.)

DUCT SIZED → 3720 cfm ÷ 1860 cfm / 2 TRUNKS

CONFIRMATION: Revised V.P. TO EACH RTU @ 1860 CFM OF O.A.

EXHAUST FAN'S SPECS

EF-1 — SHALL BE "BROAN" MODEL NO. 506 - 385 CFM @ ½" SP DUCTED THROUGH (20) 1/2" ø HOLES ON BACK SIDE OF BASE AS SHOWN ON PLANS



ROOFTOP A/C UNIT DETAIL - N.T.S.

NOTE: FASTENED ROOF CURB W/ 1/2" THRU W/ NUTS & WASHERS @ 36" O/C MAX. OR AS DICTACED BY SUPPYIER STANDERD

ROOF TOP GENERAL NOTES
HEATING, VENTILATING AND AIR CONDITIONING NOTES

1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT FOR A COMPLETE HVAC SYSTEM IN ACCORDANCE WITH THESE SPECIFICATIONS, THE EIGHTH FLORIDA BUILDING CODE AND THE LATEST EDITION OF THE FOLLOWING PUBLICATIONS: (A) ANSI (B-9) MECHANICAL REFRIGERATION (B) NFPA PAMPHLETS 90A & 90 (C) SMACNA (D) ASHRAE.
2. AIR CONDITIONING DUCTWORK NOT CONCEALED IN CEILING SPACE SHALL BE 1" (1) INCH EXPOSED DUCT BOX, REINFORCED RIGIDLAIR (OR EQUI) MANUFACTURER'S LOGO PRINTED ON THE VAPOR BARRIER.
3. ALL EXHAUST DUCTWORK SHALL BE CODE GAGE GALVANIZED SHEET METAL.
4. DUCT SIZE SHOWN ARE NET FREE AREA.
5. ALL AIR DEVICES (DIFFUSERS, REGISTERS & GRILLES) SHALL BE ALL ALUMINUM CONSTRUCTION, WITH BONDERIZED SURFACE CHEMICALLY TREATED TO RECEIVE PAINT TO MATCH COLOR OF BACKGROUND SURFACE. CEILING DIFFUSERS IN A/C DUCTS RUN CONCEALED IN CEILING SHALL BE BORDER, TYPE 'BDC' OR EQUAL.
6. PROVIDE OPPOSED BLADE DAMPERS AT ALL DIFFUSERS AND REGISTERS
7. PROVIDE TURNING VANES AT ALL SQUARE DUCT ELBOWS.
8. THERMOSTATS SHALL BE COMBINATION COOLING / HEATING WITH SYSTEM COOL / AUTO / OFF AND FAN ON / AUTO SELECTOR SWITCHES. PROVIDE TAMPERPROOF COVERS.
9. COORDINATE ALL WORK ON THE ROOF WITH ROOFING CONTRACTOR.
10. PROVIDE NEW FILTERS FOR A/C UNITS BEFORE STARTING. THESE FILTERS THAT ALSO BE REPLACED PRIOR TO FINAL ACCEPTANCE BY OWNER.
11. PROVIDE ONE YEAR WARRANTY ON ALL LABOR AND MATERIAL.
12. PROVIDE BACK DRAFT DAMPERS AT ALL EXHAUST FANS, ALL CAPS SHALL & ROOM SHALL HAVE DIRECT SCREEN (EXCEPT DRYERS)

HVAC DESIGN REQUIRE:	YES	NO
DUCT SMOKE DETECTOR	X	
FIRE DAMPER(S)		X
SMOKE DAMPER(S)		X
FIRE RATE ENCLOSURE		X
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		X
FIRE STOPPING		X
SMOKE CONTROL		X

ROOFTOP AIR CONDITIONING UNIT SCHEDULE

MARK NO.		RTU#1,2
TOTAL COOLING CAPACITY BTUH		186200
SENSIBLE COOLING CAPACITY BTUH		137900
SUPPLY AIR CFM		6000
OUTSIDE AIR CFM		1860
ENTERING AIR TEMP.(DB/WB)		80/67
OUTDOOR DESIGN TEMP. (DB)		95°F
EXTERNAL STATIC PRESS. IN.W.G.		0.5
INDOOR FAN HP		3 HP
OUTDOOR FAN HP (NO.)		(2) ½HP
COMPRESSORS NO./T.L.A.		(2) 28.7
ELECTRIC SERVICE		230/3/60
HEATING MBTU OUTPUT		N/A
REFRIG. TYPE		410A
MODEL		YCD 91 B 300
PLV (1) EDP (2) RDR (3)		(1) 46.9
WEIGHT		1895 #
REMARKS		(1)
		REMARKS

(1) PROVIDED ROOF CURB.

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RAIN
Various Renovations
323 23rd Street
Miami Beach, FL 33139

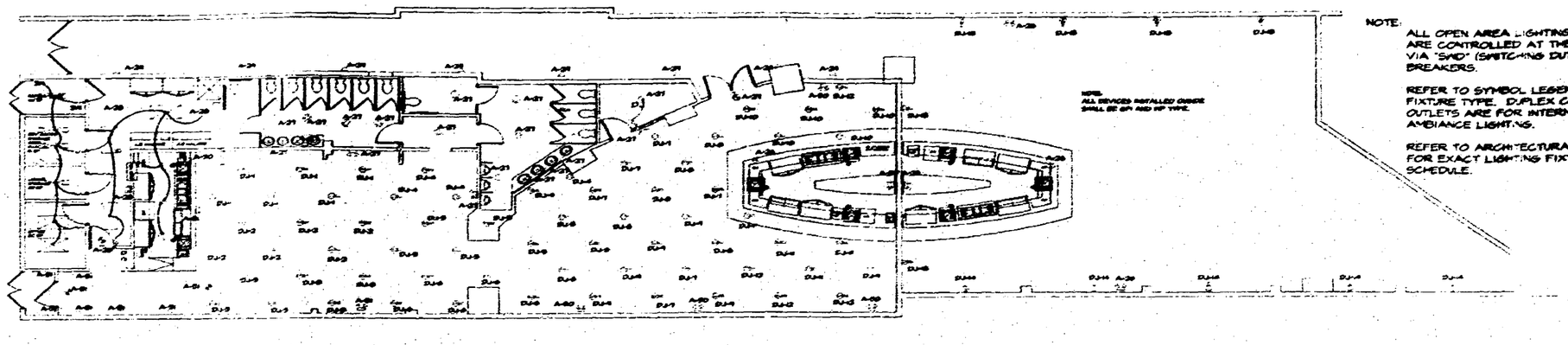
PROJECT NO 00-50
DRAWN BY J.M./T.R.
DATE 07.00
REVISIONS
C1 12/29/00
PR 11/29/2000

Mechanical

M-1

DRAWING No. 20 OF 22

05

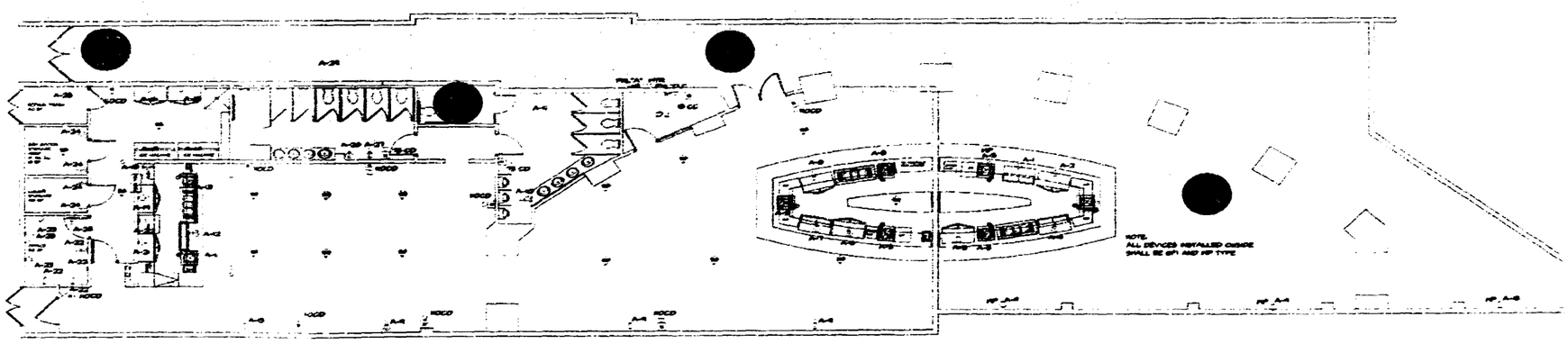


NOTE:
ALL OPEN AREA LIGHTING CIRCUITS ARE CONTROLLED AT THE PANEL VIA "SWD" (SWITCHING DUTY) BREAKERS.

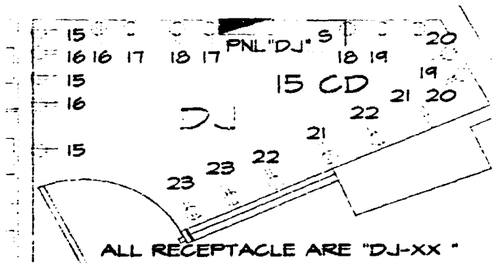
REFER TO SYMBOL LEGEND FOR FIXTURE TYPE. DUPLEX CEILING OUTLETS ARE FOR INTERMITTENT AMBIANCE LIGHTING.

REFER TO ARCHITECTURAL PLANS FOR EXACT LIGHTING FIXTURE SCHEDULE.

FLOOR PLAN, LIGHTING
1/8" = 1'-0"



FLOOR PLAN, POWER
1/8" = 1'-0"



ALL RECEPTACLE ARE "DJ-XX"

DJ RECEPTACLE PLAN
1/2" = 1'-0"

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RAIN
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323 23rd Street
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ALL ... BY

PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

Electrical

E-1

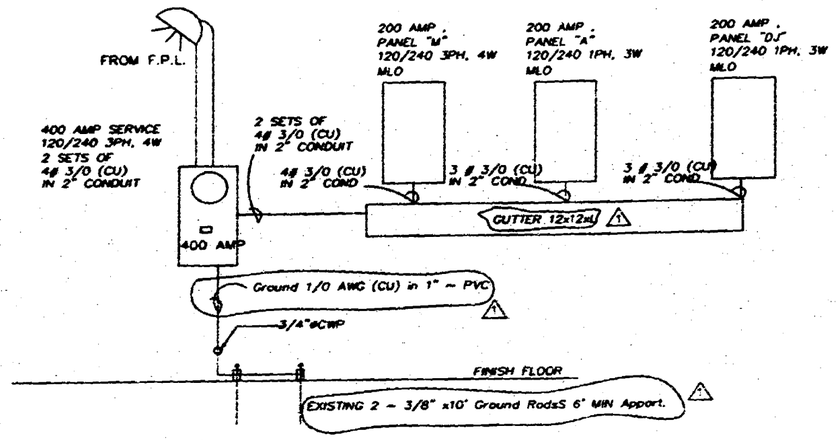
DRAWING No. 21 OF 22

05

SITE INVESTIGATION

EXAMINATION OF CONTRACT DOCUMENTS AND SITE OF WORK THE BIDDER IS REQUIRED, BEFORE SUBMITTING HIS PROPOSAL, TO VISIT THE SITE OF THE PROPOSED WORK AND FAMILIARIZE HIM OR HERSELF WITH THE NATURE AND EXTENT OF THE WORK AND ANY LOCAL CONDITIONS THAT MAY IN ANY MANNER AFFECT THE WORK TO BE DONE AND EQUIPMENT, MATERIALS AND LABOR REQUIRED THEREFORE. SINCE THE WORK INVOLVES EXISTING BUILDINGS, SYSTEMS AND FACILITIES, SPECIAL CONSIDERATION SHALL BE GIVEN TO EXAMINATION OF WORKING CONDITIONS.

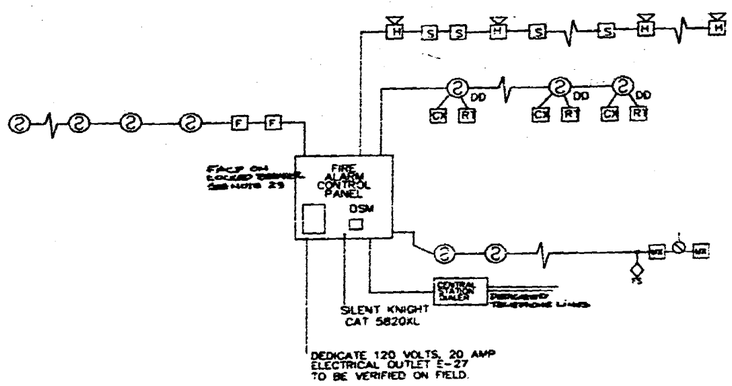
SLIGHT VARIATION OF BOUNDS AND OR CONSTRUCTIONS SHOULD BE ANTICIPATED BY THIS CONTRACTOR TO AVOID CONFLICTS WITH OTHER TRADES. THESE VARIATIONS ARE EXPRESSLY INCLUDED AS PART OF THE WORK WHENEVER REQUIRED AT NO ADDITIONAL COST TO THE OWNER. IGNORANCE ON THE PART OF THE CONTRACTOR WILL IN NO WAY RELIEVE HIM OF THE OBLIGATIONS AND RESPONSIBILITY ASSUMED UNDER THIS CONTRACT.



ELECTRICAL RISER

N.T.S.

1. ALL EQUIPMENT TO BE U.L. LISTED FOR FIRE SERVICE AND SHALL BE COMPATIBLE WITH THE SYSTEM BEING USED.
2. ALL WIRING AND CONDUIT TO CONFORM TO N.F.P.A. 70 AND N.E.C. 760. WIRING SHALL BE SOLID COPPER OR STRANDED COPPER WITH A MAX. OF 7 STRANDS FOR SIZES 16 AND 18 GA. STRANDED COPPER WITH A MAX. OF 19 STRANDS FOR SIZES 14 AND LARGER PER N.E.C. 760 AND N.F.P.A. 70.
3. ALL FIRE STOP PENETRATIONS SHALL BE MADE WITH APPROVED (NEC) ELECTRICAL TUBING.
4. ALL FIRE STOP PENETRATIONS SHALL BE SEALED WITH A U.L. APPROVED FIRE STOP MATERIAL. (SEE FIRE STOP DETAIL)
5. COLOR CODING MAY NOT APPLY TO EXISTING WIRE. (LABEL EXISTING WIRE ACCORDINGLY)
6. ROUTING OF THE FIRE ALARM SYSTEM CONDUIT IS DIAGRAMMATIC. VERIFY EXACT LOCATIONS PRIOR TO STARTING WORK.
7. ALL STROBE LIGHTS SHALL ACTIVATE UPON INITIATION OF THE GENERAL ALARM AND THEY SHALL BE SYNCHRONIZED IN OPEN AREAS. ALL WALL MOUNTED STROBES AND NOTIFICATION APPLIANCES SHALL BE MOUNTED WITH BOTTOM AT 80" ABOVE FINISHED FLOOR OR 6" MINIMUM FROM THE CEILING, WHICHEVER IS LOWEST.
8. MANUAL STATIONS TO BE INSTALLED AT 48" INCHES MAX. A.F.F.
9. SMOKE DETECTORS TO BE INSTALLED AS PER N.F.P.A. 72. WALL MOUNTED SMOKE DETECTORS SHALL BE MOUNTED 4" INCHES MIN. FROM CEILING WITH 12" INCHES MAX. FROM CEILING.
10. THE FIRE ALARM PANEL MUST HAVE AN EARTH GROUND CONNECTION AS PER MANUFACTURERS RECOMMENDATIONS, AND ARTICLE 760 OF THE NATIONAL ELECTRICAL CODE. MINIMUM WIRE SIZE IS 14 AWG FOR GROUND CONNECTION. (NOTE PANEL NEUTRAL OR CONDUIT GROUND IS NOT ACCEPTABLE).
11. A GENERAL ALARM SHALL BE ANNUNCIATED UPON ACTIVATION OF ANY PULL STATION, FLOW SWITCH, DETECTION DEVICE. A TROUBLE SIGNAL SHALL BE ANNUNCIATED UPON ANY TAMPER SWITCH ACTIVATION OR FAILURE OR REMOVAL OF ANY DETECTION OR MANUAL DEVICE.
12. FIRE ALARM PANEL SHALL BE LISTED FOR CENTRAL STATION SERVICE PER NFPA 72, 1993, SECT. 4-3.
13. FIRE ALARM SYSTEM SHALL BE CERTIFIED BY EQUIPMENT SUPPLIER
14. TWO TELEPHONE LINES SHALL BE PROVIDED TO THE FIRE CONTROL COMMUNICATOR. ONE SHALL BE DEDICATED.
15. PROVIDE CERTIFICATE OF COMPLETION AT THE FINAL INSPECTION OF THE FIRE ALARM SYSTEM.
16. FIRE ALARM CIRCUITS AND DEVICES SHALL BE CLASS "B", STYLE "C".
17. ~~SECURITY LOCK SYSTEM BY OTHERS SHALL BE TIED IN TO FIRE ALARM SYSTEM. EMERGENCY EXITS SHALL UNLOCK UPON RECEIPT OF ANY FIRE SIGNAL OR LOSS OF PRIMARY POWER "IF APPLICABLE". NOT APPLICABLE~~
18. HVAC DUCT SMOKE DETECTORS SHALL BE CONNECTED TO THE FIRE ALARM CONTROL PANEL AND SHALL ACTIVATE A SUPERVISORY SIGNAL ONLY.
19. FIRE ALARM CONTRACTOR SHALL PROVIDE A DETAILED SET OF SHOP DRAWINGS, POINT TO POINT WIRING DIAGRAMS, AND BATTERY CALCULATIONS FOR SUBMITTAL TO THE METRO DADE BUILDING DEPARTMENT PRIOR TO FIRE ALARM INSTALLATION.
20. EMERGENCY LIGHTING SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 101, SECTION 5-9.2.1, 1994 EDITION. EMERGENCY LIGHTING SHALL BE ARRANGED TO MAINTAIN THE SPECIFIC DEGREE OF ILLUMINATION THROUGHOUT THE MEANS OF EGRESS, BUT NOT LESS THAN 1 FOOTCANDLE.
21. AUDIBLE SIGNALS SHALL HAVE A SOUND LEVEL OF NOT LESS THAN 75 dBA AT 10'(3m) OR MORE THAN 130dBA AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE.
22. TO ENSURE THAT AUDIBLE SIGNALS ARE CLEARLY HEARD, IT SHALL BE REQUIRED THAT THEIR SOUND LEVEL BE AT LEAST 15dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS (WHICHEVER) IS GREATER), MEASURED 5' (1.5m) ABOVE THE FLOOR IN THE OCCUPIABLE AREA. THE FIRE ALARM CONTRACTOR IS REQUIRED TO CERTIFY THE dBA LEVEL WITH AN APPROVED dBA METER PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
23. THE FIRE ALARM CONTROL PANEL SHALL HAVE A DEDICATED 120 VOLT CIRCUIT BREAKER. THE BREAKER SHALL BE MECHANICALLY PROTECTED AND PAINTED RED. THE FIRE ALARM CONROL PANEL SHALL BE LABELED WITH THE PANEL LOCATION AND CIRCUIT BREAKER NUMBER.
24. THE OWNER SHALL BE PROVIDED WITH A COMPLETE FIRE ALARM SYSTEM MANUAL AND INSTALLATION INSTRUCTIONS COVERING ALL SYSTEM EQUIPMENT AND RECORD DRAWINGS TO BE KEPT AT THE MAIN CONTROL PANEL.



NOTE:
ALL ALARM STROBES ARE TO BE SYNCHRONIZED IN OPEN AREAS ALARM STROBES SHALL BE ACTIVATED ON THE GENERAL ALARM AND SHALL REMAIN ON UNTIL THE FACP IS RESET.

FIRE ALARM RISER (TYP)

N.T.S.

FIRE ALARM WIRE SCHEDULE

FIRE ALARM SYSTEM SHALL BE POWER LIMITED

16-2 TSP INITIATING	16-2 TSP ANNUN/CONTROL
(2) #12 INDICATING	(2) #14 ANNUN-POWER
(2) #14 SYNC- CONTROL CIRCUIT	(2) #14 HORN CONTROL, TEMPORAL

PANEL "A"

0.00	20/1		1/2	12			1		2			12	1/2	20/1	1.20
0.00	20/1		1/2	12			3		4			12	1/2	20/1	0.00
1.20	20/1		1/2	12			5		6			12	1/2	20/1	1.20
0.00	20/1		1/2	12			7		8			12	1/2	20/1	1.20
1.00	20/1		1/2	12			9		10			12	1/2	20/1	1.20
1.20	20/1		1/2	12			11		12			12	1/2	20/1	0.00
0.00	20/1		1/2	12			13		14			12	1/2	20/1	1.20
1.20	20/1		1/2	12			15		16			12	1/2	20/1	0.00
1.20	20/1		1/2	12			17		18			12	1/2	20/1	0.00
1.20	20/1		1/2	12			19		20			12	1/2	20/1	0.72
0.72	20/1		1/2	12			21		22			12	1/2	20/1	0.72
1.20	20/1		1/2	12			23		24			12	1/2	20/1	0.00
0.00	20/1		1/2	12			25		26			12	1/2	20/1	0.00
0.00	20/1		1/2	12			27		28			12	1/2	20/1	0.00
0.00	20/1		1/2	12			29		30			12	1/2	20/1	0.00
0.00	20/1		1/2	12			31		32					20/1	
	20/1						33		34					20/1	
	20/1						35		36					20/1	
	20/1						37		38					20/1	
1.00	20/2						39		40					40/2	7.20
10.00					37,200 VA						162 AMP				38.00

PANEL "DJ"

1.00	20/1		1/2	12			1		2			12	1/2	20/1	1.00
1.00	20/1		1/2	12			3		4			12	1/2	20/1	1.00
1.00	20/1		1/2	12			5		6			12	1/2	20/1	1.00
1.00	20/1		1/2	12			7		8			12	1/2	20/1	1.00
1.00	20/1		1/2	12			9		10			12	1/2	20/1	1.00
1.00	20/1		1/2	12			11		12			12	1/2	20/1	1.00
1.00	20/1		1/2	12			13		14			12	1/2	20/1	1.00
1.00	20/1		1/2	12			15		16			12	1/2	20/1	1.00
1.00	20/1		1/2	12			17		18			12	1/2	20/1	1.00
1.00	20/1		1/2	12			19		20			12	1/2	20/1	1.00
1.00	20/1		1/2	12			21		22			12	1/2	20/1	1.00
1.00	20/1		1/2	12			23		24			12	1/2	20/1	1.00
12.00					23,000 VA						192 AMP				12.00

PANEL "M"

							1		2						
38.00	70/3	1"	4	#10 1			3		4	#10 # 2		4	1"	70/3	38.00
							5		6						
							7		8						
							9		10						
							11		12						
							13		14						
							15		16						
							17		18						
							19		20						
							21		22						
38.00					70,000 VA						80 AMP				38.00

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMITS
THE FOLLOWING
BUILDING: 12/12/24
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE ALARM:
FIRE SPRINKLER:
STRUCTURAL:
OTHER:

ELECTRICAL NOTES

1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR A COMPLETE ELECTRICAL INSTALLATION IN ACCORDANCE WITH THESE DRAWINGS.
2. COMPLY WITH THE N.E.C. AND S.F.B.C. CHAPTER 45
3. PROVIDE ALL REQUIRED CONNECTIONS FOR OTHER TRADES.
4. OBTAIN ALL PERMITS FOR WORK UNDER THIS CONTRACT.
5. PROVIDE TEMPORARY POWER AND LIGHT OUTLETS FOR USE BY OTHER TRADES.
6. COORDINATE ALL BOX LOCATION WITH BUILDING ARCHITECTURAL FEATURES.
7. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
8. UNLESS OTHERWISE NOTED, ALL CABLE SHALL BE COPPER.
9. INDOOR CONDUIT SHALL BE EMT. EXCEPT FOR BASEMENT.
10. ALL MOUNTING HARDWARE SHALL BE BY ELECTRICAL CONTRACTOR

TUPACK RHEA P.E.
ELECTRICAL ENGINEER, LIC. 40217 FLA.
10961 SW 5 STREET # 3
(305) 559 0191 FAX (305) 553 2279
MIAMI, FLORIDA 33174

TELESCO
TELESCO & ASSOCIATES
260 95th STREET, SUITE 203
SURFSIDE, FLORIDA 33154
PHONE: (305) 866-1014
FAX: (305) 866-3917

RAIN
RENOVATIONS
323 23RD STREET
MIAMI BEACH, FL 33139

PROJECT No. :
DRAWN BY: JLM/TR
DATE: 10/19/00
REVISIONS:
1 B&Z COMMENTS 12/11/00
2
3
4

ELECTRICAL
SCHEDULES, NOTES, RISERS

E-2

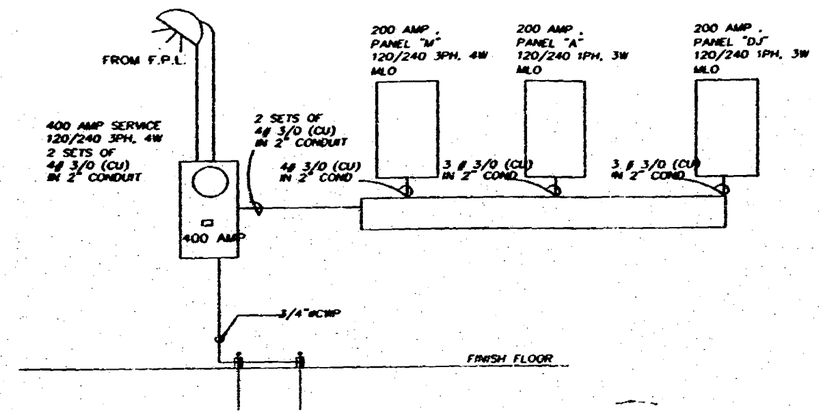
DRAWING No. OF

05

SITE INVESTIGATION

EXAMINATION OF CONTRACT DOCUMENTS AND SITE OF WORK. THE BIDDER IS REQUIRED, BEFORE SUBMITTING HIS PROPOSAL, TO VISIT THE SITE OF THE PROPOSED WORK AND FAMILIARIZE HIM OR HERSELF WITH THE NATURE AND EXTENT OF THE WORK AND ANY LOCAL CONDITIONS THAT MAY IN ANY MANNER AFFECT THE WORK TO BE DONE AND EQUIPMENT, MATERIALS AND LABOR REQUIRED THEREFORE. SINCE THE WORK INVOLVES EXISTING BUILDINGS, SYSTEMS AND FACILITIES, SPECIAL CONSIDERATION SHALL BE GIVEN TO EXAMINATION OF WORKING CONDITIONS.

SLIGHT VARIATION OF ROUTING AND OR CONSTRUCTIONS SHOULD BE ANTICIPATED BY THIS CONTRACTOR TO AVOID CONFLICTS WITH OTHER TRADES. THESE VARIATIONS ARE EXPRESSLY INCLUDED AS PART OF THE WORK WHENEVER REQUIRED AT NO ADDITIONAL COST TO THE OWNER. INCONVENIENCE ON THE PART OF THE CONTRACTOR WILL IN NO WAY RELIEVE HIM OF THE OBLIGATIONS AND RESPONSIBILITY ASSUMED UNDER THIS CONTRACT.

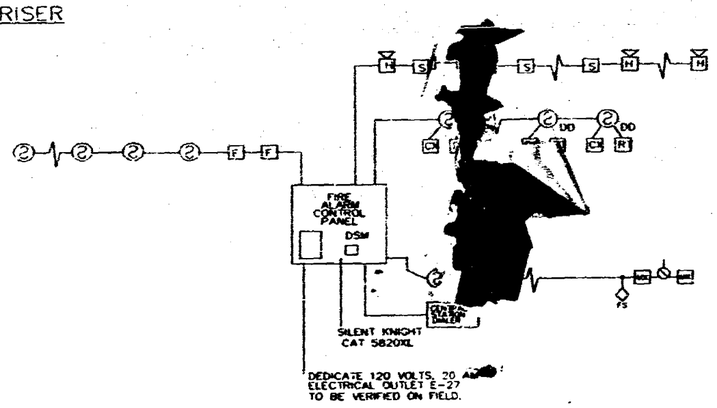


ELECTRICAL RISER

NTS

FIRE ALARM NOTES

ALL EQUIPMENT TO BE U.L. LISTED FOR FIRE SERVICE AND SHALL BE COMPATIBLE WITH THE SYSTEM BEING USED.
ALL WIRING AND CONDUIT TO CONFORM TO N.F.P.A. 70 AND N.E.C. 760.
WIRING SHALL BE SOLID COPPER OR STRANDED COPPER WITH A MAX. OF 7 STRANDS FOR SIZES 16 AND 18 GA. STRANDED COPPER WITH A MAX. OF 19 STRANDS FOR SIZES 14 AND LARGER PER N.E.C. 760 AND N.F.P.A. 70.
ALL FIRE STOP PENETRATIONS SHALL BE MADE WITH APPROVED (NEC) ELECTRICAL TUBING.
1 ALL FIRE STOP PENETRATIONS SHALL BE SEALED WITH A U.L. APPROVED FIRE STOP MATERIAL. (SEE FIRE STOP DETAIL)
2 COLOR CODING MAY NOT APPLY TO EXISTING WIRE. (LABEL EXISTING WIRE ACCORDINGLY)
ROUTING OF THE FIRE ALARM SYSTEM CONDUIT IS DIAGRAMMATIC. VERIFY EXACT LOCATIONS PRIOR TO STARTING WORK.
3 ALL STROBE LIGHTS SHALL ACTIVATE UPON INITIATION OF THE GENERAL ALARM AND THEY SHALL BE SYNCHRONIZED IN OPEN AREAS.
4 ALL WALL MOUNTED STROBES AND NOTIFICATION APPLIANCES SHALL BE MOUNTED WITH BOTTOM AT 80" ABOVE FINISHED FLOOR OR 6" MINIMUM FROM THE CEILING, WHICHEVER IS LOWEST.
5 MANUAL STATIONS TO BE INSTALLED AT 48" INCHES MAX. A.F.F.
6 SMOKE DETECTORS TO BE INSTALLED AS PER N.F.P.A. 72. WALL MOUNTED SMOKE DETECTORS SHALL BE MOUNTED 4" INCHES MIN. FROM CEILING WITH 12" INCHES MAX. FROM CEILING.
7 THE FIRE ALARM PANEL MUST HAVE AN EARTH GROUND CONNECTION AS PER MANUFACTURERS RECOMMENDATIONS, AND ARTICLE 760 OF THE NATIONAL ELECTRICAL CODE. MINIMUM WIRE SIZE IS 14 AWG FOR GROUND CONNECTION. (NOTE PANEL NEUTRAL OR CONDUIT GROUND IS NOT ACCEPTABLE)
8,4 GENERAL ALARM SHALL BE ANNUNCIATED ON ACTIVATION OF ANY PULL
9 STATION, FLOW SWITCH, DETECTION DEVICE. A TROUBLE SIGNAL SHALL BE ANNUNCIATED UPON ANY TAMPER SWITCH ACTIVATION OR FAILURE OR REMOVAL OF ANY DETECTION OR MANUAL DEVICE.
10 FIRE ALARM PANEL SHALL BE LISTED FOR CENTRAL STATION SERVICE PER NFPA 72, 1993, SECT. 4-3.
FIRE ALARM SYSTEM SHALL BE CERTIFIED BY EQUIPMENT SUPPLIER
TWO TELEPHONE LINES SHALL BE PROVIDED TO THE FIRE CONTROL COMMUNICATOR.
11 ONE SHALL BE DEDICATED
PROVIDE CERTIFICATE OF COMPLETION AT THE FINAL INSPECTION OF THE FIRE ALARM SYSTEM.
FIRE ALARM CIRCUITS AND DEVICES SHALL BE CLASS "B", STYLE "C".
12 SECURITY LOCK SYSTEM BY OTHERS SHALL BE TIED INTO FIRE ALARM SYSTEM. EMERGENCY EXITS SHALL UNLOCK UPON RECEIPT OF ANY FIRE SIGNAL OR LOSS
13 OF PRIMARY POWER "IF APPLICABLE".
14 HVAC DUCT SMOKE DETECTORS SHALL BE CONNECTED TO THE FIRE ALARM CONTROL PANEL AND SHALL ACTIVATE A SUPERVISORY SIGNAL ONLY.
15 FIRE ALARM CONTRACTOR SHALL PROVIDE A DETAILED SET OF SHOP DRAWINGS, POINT TO POINT WIRING DIAGRAMS, AND BATTERY CALCULATIONS FOR SUBMITTAL
16 TO THE METRO DADE BUILDING DEPARTMENT PRIOR TO FIRE ALARM INSTALLATION.
17 EMERGENCY LIGHTING SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 101, SECTION 5-9.2.1. 1994 EDITION. EMERGENCY LIGHTING SHALL BE ARRANGED TO MAINTAIN THE SPECIFIC DEGREE OF ILLUMINATION THROUGHOUT THE MEANS OF EGRESS, BUT NOT LESS THAN 1 FOOTCANDLE.
18 AUDIBLE SIGNALS SHALL HAVE A SOUND LEVEL OF NOT LESS THAN 75 dBA AT 10'[3m] OR
19 MORE THAN 130dBA AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE
20 21 ENSURE THAT AUDIBLE SIGNALS ARE CLEARLY HEARD, IT SHALL BE REQUIRED THAT THEIR SOUND LEVEL BE AT LEAST 15dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS (WHICHEVER IS GREATER), MEASURED 5' (1.5m) ABOVE THE FLOOR IN THE OCCUPIABLE AREA. THE FIRE ALARM CONTRACTOR IS REQUIRED TO CERTIFY THE dBA LEVEL WITH AN APPROVED dBA METER PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
22 23 THE FIRE ALARM CONTROL PANEL SHALL HAVE A DEDICATED 120 VOLT CIRCUIT BREAKER. THE BREAKER SHALL BE MECHANICALLY PROTECTED AND PAINTED RED. THE FIRE ALARM CONTROL PANEL SHALL BE LABELED WITH THE PANEL LOCATION AND CIRCUIT BREAKER NUMBER.
24 THE OWNER SHALL BE PROVIDED WITH A COMPLETE FIRE ALARM SYSTEM MANUAL AND INSTALLATION INSTRUCTIONS, COVERING ALL SYSTEM EQUIPMENT AND RECORD DRAWINGS TO BE KEPT AT THE MAIN CONTROL PANEL.



NOTE:
ALL ALARM STROBES ARE TO BE SYNCHRONIZED IN OPEN AREAS.
ALARM STROBES SHALL BE ACTIVATED ON THE GENERAL ALARM AND SHALL REMAIN ON UNTIL THE FACP IS RESET.

FIRE ALARM RISER (TYP)

NTS

FIRE ALARM WIRE SCHEDULE

FIRE ALARM SYSTEM SHALL BE POWER LIMITED

16-2 TSP INITIATING	16-2 TSP AROUND/CONTROL
(2) #12 INDICATING	(2) #14 AWG-POWER
(2) #14 SYNC- CONTROL CIRCUIT	(2) #14 HORN CONTROL, TEMPORAL

PANEL "A"

| | | |

05

MILY LOPEZ
305-607-5650

MBCH

B0100780
323 23rd Street

* ROOF WILL BE DISTURBED
- WKS NOT SAMPLED -
NEEDS ROOF SURVEY, REROOF
- APPLICATION ; RESUBMIT INTERIOR
- SURVEY -