PERMIT NUMBER

B-9602214

ADDRESS

4

Office B960214

Miami Beach Community Church

75th. Anniversary Wall of Tribute

COPY

CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING: X 2/23/96

ZONING: X 2/23/96

PLUMBING:

ELECTRICAL:

MECHANICAL:

FIRE PREVENTION: X 2/23/96

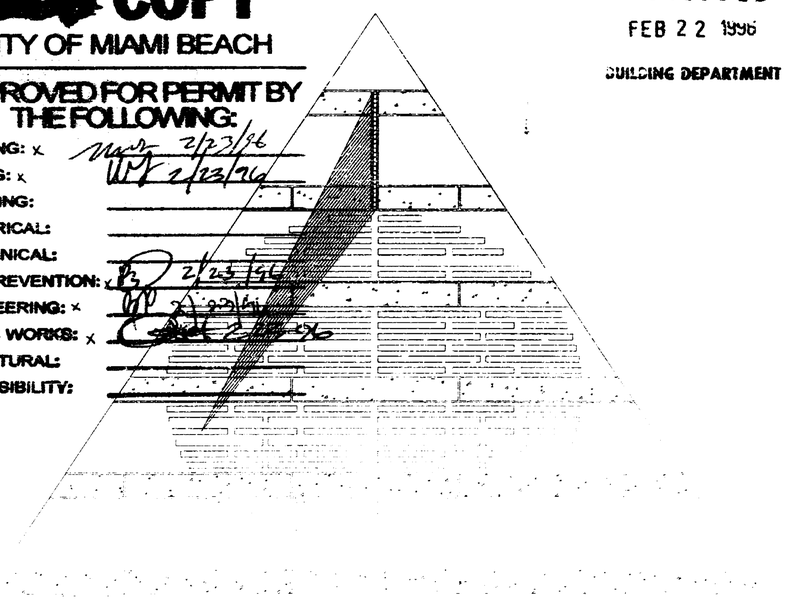
ENGINEERING: X 2/23/96

PUBLIC WORKS: X 2/23/96

STRUCTURAL:

ACCESSIBILITY:

CITY OF MIAMI BEACH
RECEIVED
FEB 22 1996
BUILDING DEPARTMENT



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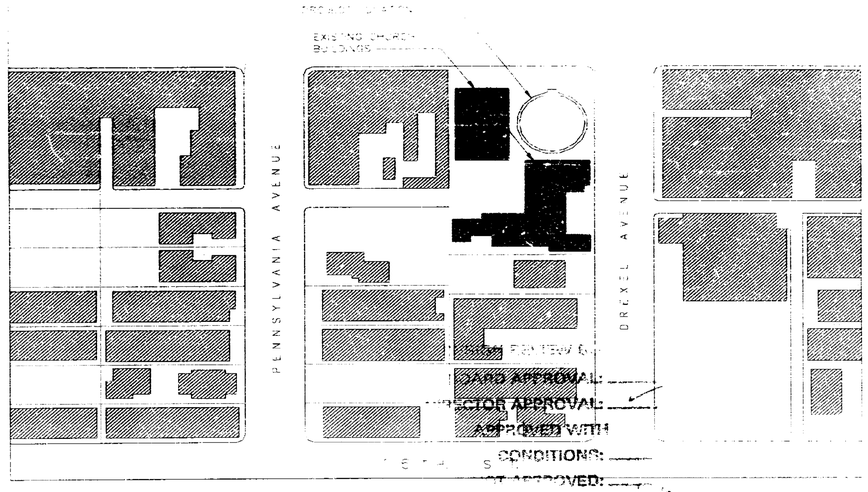
VICINITY MAP



BOARD APPROVAL: _____
DIRECTOR APPROVAL: _____
APPROVED WITH
CONDITIONS: _____
NOT APPROVED: _____
DATE: 2-2-

INDEX

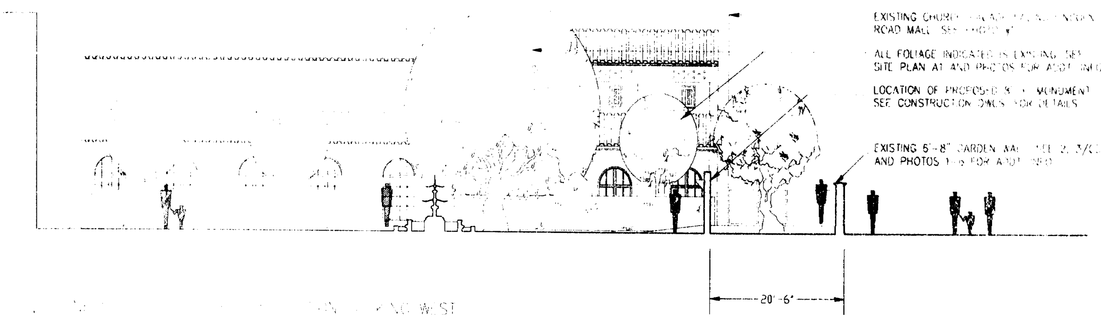
DIRECTORY

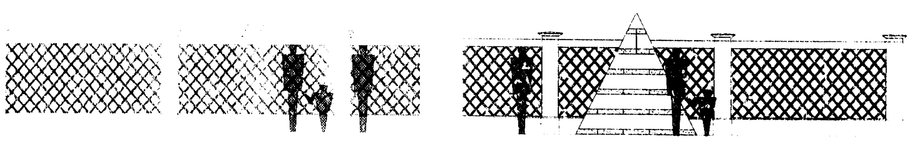
NEAL R. DEPUTY
[redacted]

DOUGLAS WOOD

Miami Beach Community Church

4





3 LINE OF SIGHT STUDY- VIEW FROM INSIDE GARDEN

NOTE: ALL EXISTING FOLIAGE DELETED FOR CLARITY

SIGHT STUDIES

Miami Beach Community Church

MEMORY WALL OF TRIBUTE

1. VIEW FROM LINCOLN ROAD MALL SHOWING MAIN FACADE AND ADJACENT GARDEN WALL.
NOTE: WHITE TRIANGLE ABOVE GARDEN WALL ILLUSTRATES EXTENT OF VISIBLE MONUMENT.

2. VIEW FROM CORNER OF LINCOLN ROAD MALL AND DREXEL AVENUE LOOKING INTO GARDEN.
NOTE: VIEW OF NEW MONUMENT COMPLETELY OBSCURED BY EXISTING FOLIAGE.

3. VIEW FROM DREXEL AVENUE SHOWING SIDE ELEVATION OF CHURCH AND EXISTING GARDEN WALL.
NOTE: VIEW OF NEW MONUMENT COMPLETELY OBSCURED BY EXISTING FOLIAGE.

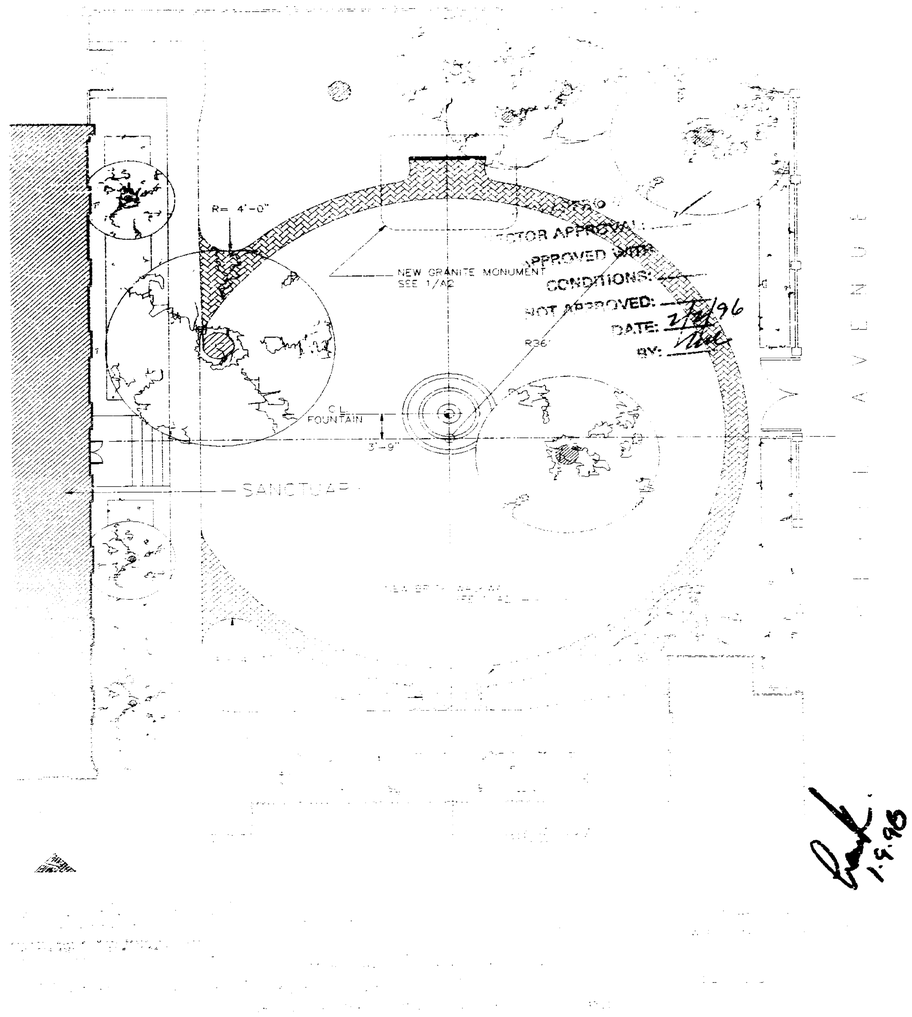
4

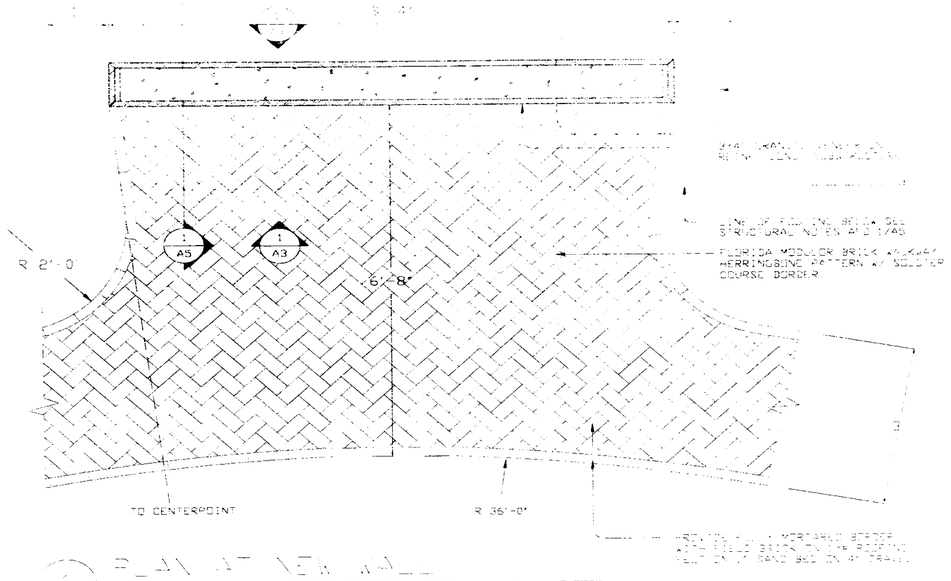
4. OBLIQUE VIEW LOOKING EAST ALONG LINCOLN ROAD MALL. NEW MONUMENTS MOST VISIBLE PUBLIC VIEWPOINT.
NOTE: NEW MONUMENT OVERLAID IN PERSPECTIVE SCALE

5. CLOSE-UP VIEW OF EXISTING GARDEN WALL FROM LINCOLN ROAD MALL
NOTE: NEW MONUMENT OVERLAID IN PERSPECTIVAL SCALE

6. INTERIOR VIEW OF EXISTING GARDEN SPACE LOOKING NORTH TOWARDS LINCOLN ROAD MALL
NOTE: NEW MONUMENT OVERLAID IN PERSPECTIVAL SCALE

4


R= 4'-0"
NEW GRANITE MONUMENT
SEE 1/A2
R36'
FOUNTAIN
5'-9"
SANCTUARY
APPROVED WITH
CONDITIONS:
NOT APPROVED:
DATE: 2/26/96
BY:
1.9.96
4



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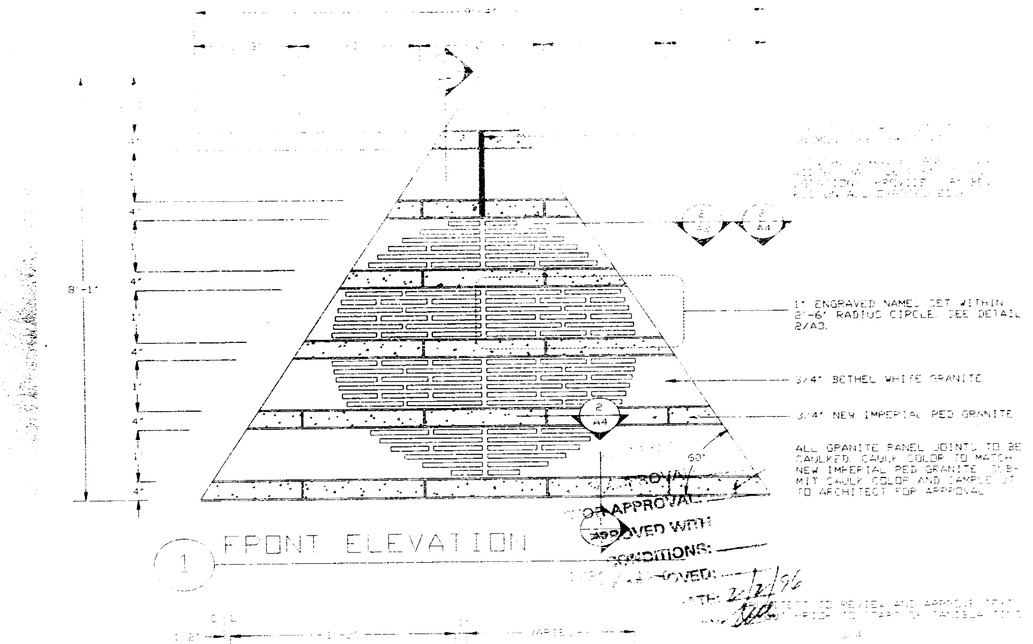
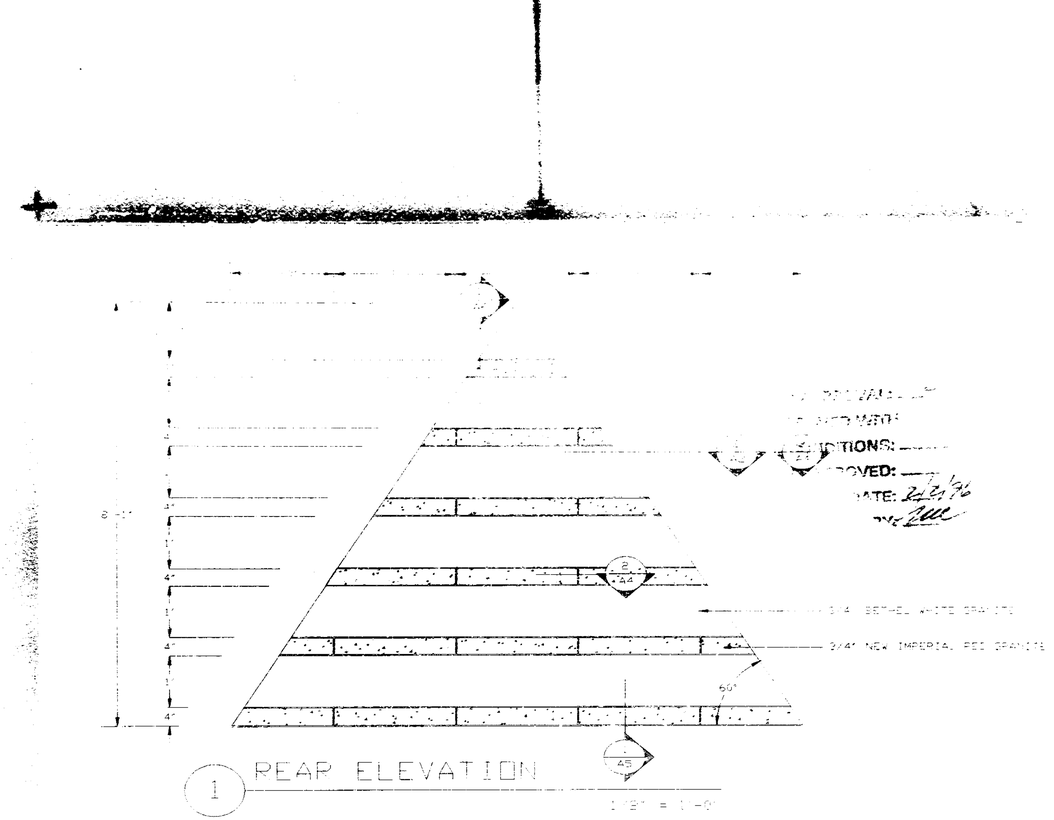


1 FRONT ELEVATION

1.9.96

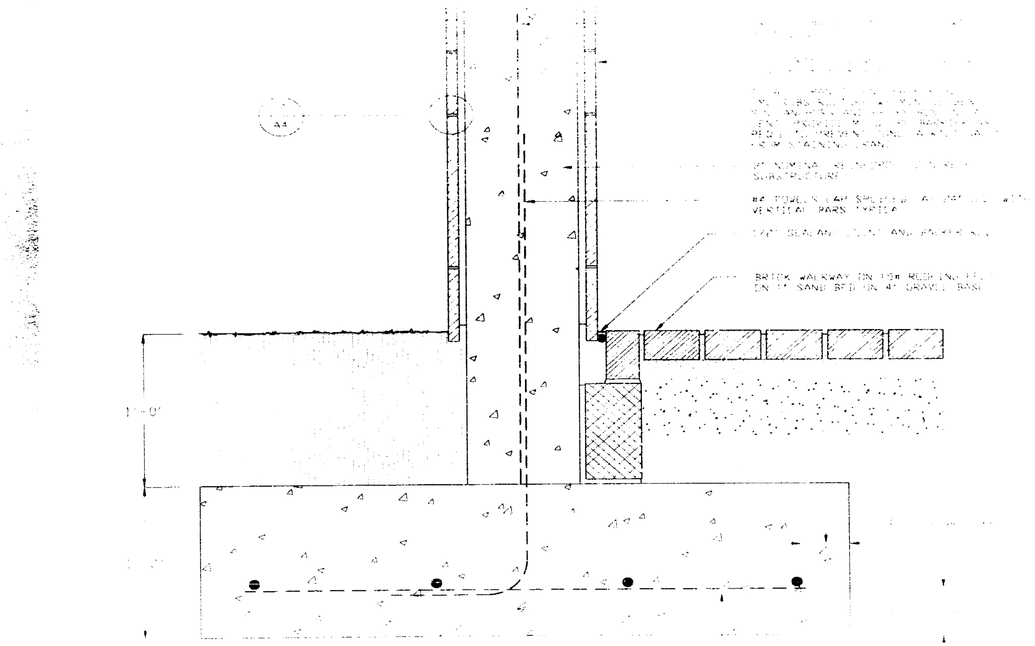
4



1 REAR ELEVATION

1/2" = 1'-0"

4



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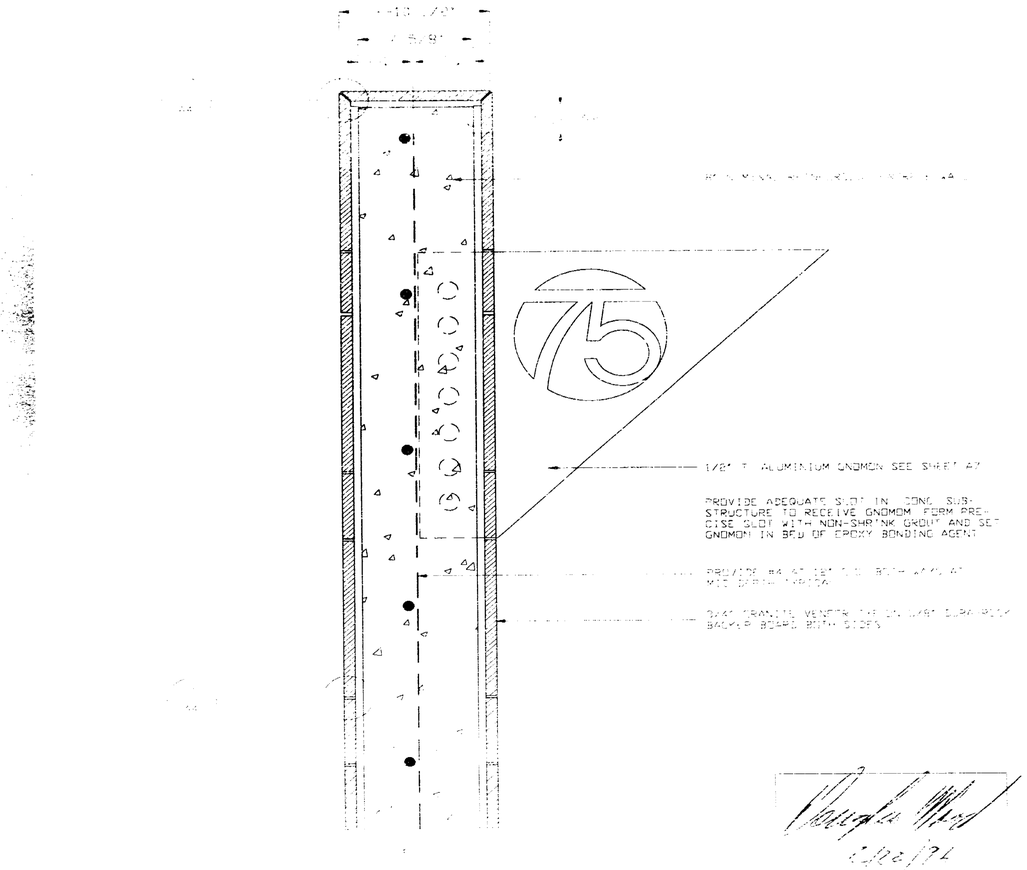
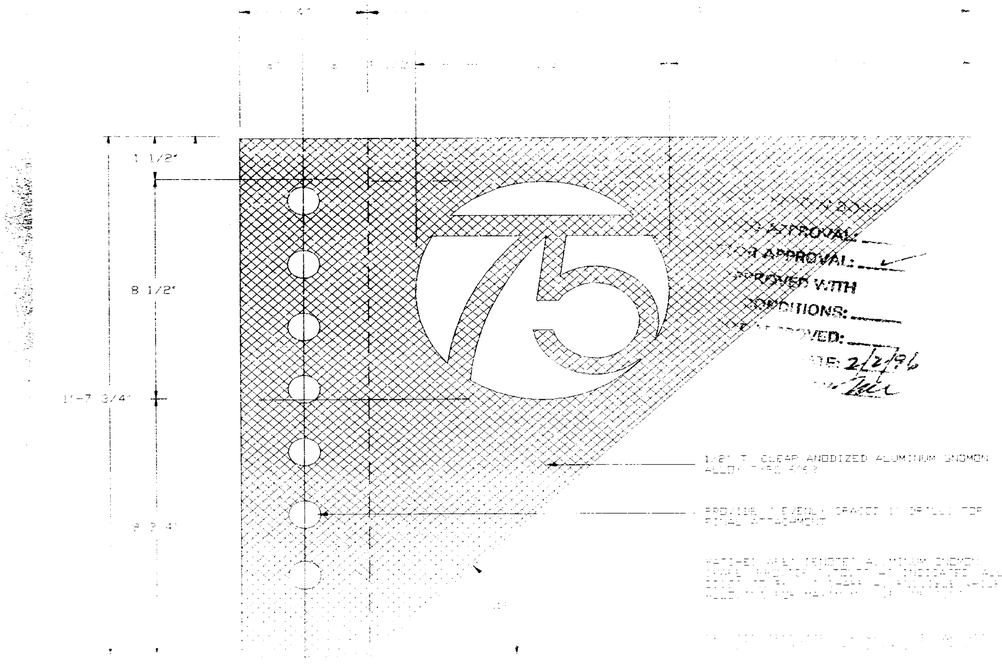

1/8" T. ALUMINUM GNOMON SEE SHEET A2
PROVIDE ADEQUATE SLOT IN CONC. SUB-STRUCTURE TO RECEIVE GNOMON. FORM PRE-CISE SLOT WITH NON-SHRINK GROUT AND SET GNOMON IN BED OF EPOXY BONDING AGENT

4


1 1/2"
8 1/2"
1'-7 3/4"
APPROVAL:
APPROVAL:
APPROVED WITH
CONDITIONS:
APPROVED:
DATE: 2/2/96

4

GENERAL CONSTRUCTION NOTES

1. **CODES**
All work shall conform to the South Florida Building Code, 1994 Edition and all other applicable codes

2. **DESIGN CRITERIA**
a. Wind Loads:In accordance with ASCE 7-88 (Building category 4 (Low Hazard) 110 mph wind speed; Gust response factor=1.15. Exposure D; Importance factor I = 1.00). See calculations for additional information.

b. Lateral Wind Load . . . . 51.3 psf

3. **DIMENSIONS & CONDITIONS**
All dimensions and conditions shall be verified by the Contractor prior to the commencement of construction. Any discrepancies shall be brought to the immediate attention of the Architect and Structural Engineer. Written dimensions take precedence over drawing scale at all times. Scale is for guideline purposes only. If dimensions are unclear, do not scale. Request clarification from the Architect and Structural Engineer.

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

5. **PROTECTION OF EXISTING CONSTRUCTION**
Existing construction which is to remain, adjacent properties and public property shall not be damaged.

6. **CONFLICTS IN DOCUMENTS**
If conflicts occur in or between documents, between documents or field conditions or otherwise, the Contractor shall immediately contact the Architect and Structural Engineer for clarification and direction before proceeding.

7. **COORDINATION**
The Contractor is responsible for coordinating the work of all trades.

8. **SOILS**
a. Information about the soils on this site is presented in a report prepared by East Coast Testing and Engineering Inc. Dated 20 Nov. 95 and is included herein . The Contractor is encouraged to review this report.

b. According to the above referenced report, the soils at the boring locations consist of a thin surface layer of very loose brown fine sand with traces of roots and gravel over approximately four feet of loose brown beach sand (some times mixed with sand and gravel) over medium to dense brown and gray beach sand down to the end of the boring at fifteen feet.

9. SOILS PREPARATION & ALLOWABLE BEARING
a. The area of the proposed "Wall of Tribute" footing plus five feet all around shall be stripped of existing construction, plants, top soil and other deleterious material. The existing soil shall be excavated to the bottom of the proposed footing elevation. The contractor shall visually inspect the entire excavation area. If soils different from those indicated above are encountered, notify the Architect and Structural Engineer for direction.

b. The entire excavation area shall be thoroughly compacted by at least 30 overlapping passes of a vibrating plate compactor (4' Rammer) operating at maximum efficiency. A minimum of 98% of maximum density as determined in accordance with ASTM D 1557 shall be achieved. Compaction shall be verified by field testing. Submit compaction tests to the Architect and Structural Engineer.

c. With the soils preparation described above the [illegible]

4

10. NOTES TO BIDDERS

a. By and through submission of a bid, Contractor acknowledges that he has examined the site and location of all proposed work and has satisfied himself as to the nature of existing conditions, proposed work, and any other issues or characteristics impacting performance of the work.

b. The Contractor shall include in his bid all costs pertaining to the work and thereby required for satisfactory completion thereof, including the removal, relocation, and replacement of any objects or obstructions which may be encountered in doing the proposed work.

c. No extra compensation will be allowed to the Contractor for any expense due to his neglect to examine or failure to discover conditions which affect his work. No extra compensation will be allowed on account of differeneces between actual dimensions, locations, etc. and those indicated on the drawings.

d. All work shall be performed in a first class workmanship like manner, complying with or exceeding current industry standards for work of that trade.

GENERAL STRUCTURAL NOTES

1. **CONCRETE (CAST IN PLACE):**

a. Standards: ACI 318, ACI 301 & ACI 347.

b. All concrete shall be proportioned to attain a minimum compressive strength of of 3000 psi at 28 days. Slump shall be between 3 and 6 inches and no water shall be added to the concrete at the site.

c. The Contractor shall contract an independent testing laboratory to perform the concrete cylinder tests as required by section 2505.2 of the South Florida Building Code.

d. The contractor shall provide all forming and temporary shoring.

e. Reinforcement: ASTM A615, Grade 60. Lap splice footing bars a minimum of 30 bar diameters UNO. Lap splice #5 bars in grouted cells a minimum of 30 inches.

f. Concrete cover over reinforcement: 3" for footings & 2" otherwise.

g. All concrete shall be cured for a minimum of seven days. The curing shall entail maintenance of the moisture in the concrete. This shall be accomplished by treating exposed concrete surfaces with a chemical curing compound immediately after finishing and immediately after removal of forms. Forms shall be kept moist by frequent water spraying prior to removal. Verify compatibility of curing compound with proposed finish adhesives.

DOUGLAS WOOD

& ASSOCIATES, INC. - STRUCTURAL ENGINEERS

STRUCTURAL CALCULATIONS

FOR THE

MIAMI BEACH COMMUNITY CHURCH
WALL OF TRIBUTE

LOCATED AT

1620 DREXEL AVENUE
MIAMI BEACH, FLORIDA

DECEMBER 1, 1995
REVISED FEBRUARY 22, 1996

DOUGLAS WOOD, P.E.
STRUCTURAL ENGINEER
FLORIDA LICENSE NO. 32092
305 461-3450 FAX 305 461-3650
299 Alhambra Circle Suite 203 Coral Gables, Florida 33134

4

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& ASSOCIATES, INC. - STRUCTURAL ENGINEERS

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2/22/96

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4

DOUGLAS WOOD & ASSOCIATES, INC.
STRUCTURAL ENGINEERS
299 ALHAMBRA CIRCLE ■ SUITE 203
CORAL GABLES, FLORIDA 33134
(305) 461-3450 ■ FAX (305) 461-3650
DESIGN CALCULATIONS

JOB: MIAMI BEACH COMMUNITY CHURCH
SHEET NO. 1 OF
CALCULATED BY: SB DATE: 2 22 96
CHECKED BY: DATE:
SCALE:

DESIGN WIND LOADS

IN ACCORDANCE WITH ASCE 7-88.
EXPOSURE - D. H = (MAX) 8' WIDTH 9'-3" (TRIANGULAR)

BLDG CATEGORY .. IV (LOW HAZARD) with I = 1.00

WIND LOAD ON TRIBUTE WALL - FOR SOLID SIGN @ GROUND LVL.

$$q = 0.00256 \times K_z (I\,V)^2$$

$$= 0.00256 \times 1.20 \times [1.00 \times 110]^2$$

$$q = 37.17 \text{ psf}$$

GUST RESPONSE FACTOR G_h = 1.15

∴ DESIGN WIND PRESSURE :

$$P = q_z G_h C_f$$

{where C_f = 1.2, $M/N \leq 3$} Table 13 ASCE

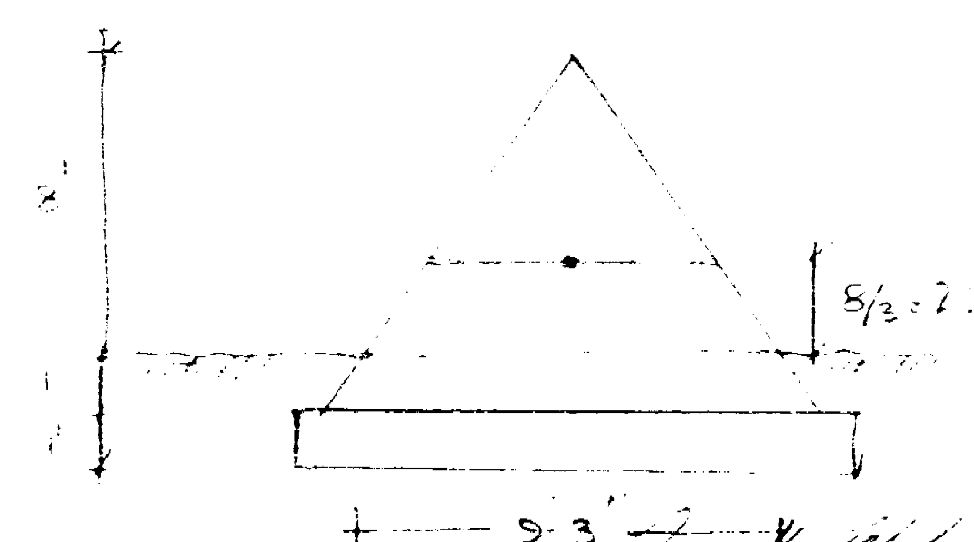
$$P = 37.17 \times 1.15 \times 1.2$$
$$= 51.3 \text{ psf}$$

WALL DESIGN

LOAD ON WALL (above Ground) = $\frac{1}{2} \times 9.25 \times 8$ = 37 sf/ft

= 37 × 51.3

= 1.89 k.



CONSIDERING 1.89 k APPLIED OVER WIDTH OF WALL = $\frac{1.89}{6.16' \text{ (length @ CG)}}$ = 306 lb/ft

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DESIGN CALCULATIONS

MIAMI FALL COMMUNITY CHURCH
SHEET NO. 2 OF
CALCULATED BY SB DATE 2-22-96
CHECKED BY DATE
SCALE

· MOMENT 306 x 3.67 = 1.12 k-ft/ft

FOR WALL 8" CONC. w/ REINF @ MID DEPTH

$$K_{req} = \frac{1.12 \times 12000}{12 \times 4^2} = 70$$

∴ Use $\rho_{min} = 0.0033 > 0.15\ in^2$

PROVIDE #4 @ 12" O.C.

· FOOTING DESIGN

TRY 1'-0" Deep & 1'-0" Thick x 3'-8" Wide FTG.

OVERTURNING MOMENT @ 1/4 of Wall = 306 x 4.67 = 1.42 k/ft

MOMENT RESISTANCE REQUIRED = 2.13 k/ft

RESISTING MOMENT = FTG + WALL + SOIL

FTG = $12 \times 44 \times \frac{12}{44} \times 1.83$ = 766

WALL = $3.67 \times \frac{3}{12} \times 150 \times 1.83$ = 671

W_{SOIL} = $1.5 \times 1 \times 1 \times 100 \times 3.08$ = 462

W_{SOIL} = $1.5 \times 1 \times 1 \times 100 \times 0.75$ = 113

2.21 k > 2.13 k OK

DOUGLAS WOOD & ASSOCIATES, INC.
STRUCTURAL ENGINEERS
299 ALHAMBRA CIRCLE ■ SUITE 203
CORAL GABLES, FLORIDA 33134
(305) 461-3450 ■ FAX (305) 461-3650
DESIGN CALCULATIONS

JOB MIAMI BEACH COMMUNITY CHURCH
SHEET NO 3 OF
CALCULATED BY EB DATE 2-22-96
CHECKED BY DATE
SCALE

FOOTING DESIGN

REINF = 0.0018 × 12 × 11 = 0.95 in²/ft ~ 4#5 @/A = 1.32 OK.

CANTILEVER BENDING : w = 9.0 × 110/3.67 = 269 plf

∴ M = 269 × 1.5²/2 = 302 lb-ft

∴ K_req = 302 × 12 / 12 × 8.75² = 3.8

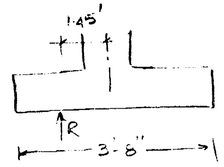
PROVIDE 1#5 @ 16" O.C

SOIL CAPACITY

LOAD W (MAX) = (9 × 110) wall = 990 lb

MOMENT = 1.42 k·ft

e = 1442/990 = 1.45'



R lies outside MIDDLE THIRD

$P_{max} = 2\Sigma V / 3L(B/2 - e)$

= 2 × 990 / 3 × 1 × (1.833 − 1.45)

= 1714 psf << 2500 psf SOIL CAPACITY ∴ OK

FS 22092

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EASTCOAST TESTING & ENGINEERING, INC.
4100 North Powerline Rd. - Suite G-1
Pompano Beach, Florida 33073
Broward (305) 972-7645 (SOIL) - Dade (305) 947-4768
4361 Okeechobee Blvd. - Suite A-5
West Palm Beach, Florida 33409
(800) 329-7645 (SOIL) - (407) 471-8220
Facsimile No (305) 971-8872

ESTABLISHED 1981

November 20, 1995

Report of Engineering Evaluation : Neil Deputy, Architect
Project : Proposed Church Improvement
Location : 1620 Drexel Avenue, Miami Beach
Dade County, Florida

Gentlemen:

As per your request Eastcoast Testing & Engineering, Inc. performed the borings at the above-location on November 17, 1995. Following are the results of our findings.

SUMMARY

The site is generally mantled with suitable materials. The proposed structure may be proportioned for an allowable bearing capacity of 2500 pounds per square foot after clearing, grubbing, excavation of the upper superficial layer. compacting, backfilling and testing of the ground surface as explained in the " Site Preparation ".

SUBSURFACE CONDITION:

The profile reveals a very loose surface layer of brown fine sand. with trace of roots and gravel. The above surface layer superposes strata of suitable brown beach sand sometimes mixed with sand and gravel in a loose state of compaction which penetrate a depth of +- 4.0 feet below the existing grade. At this elevation we encounter layers of brown and gray beach sand in a medium to dense state of compaction which continue throughout the limit of our investigation. fifteen feet maximum penetration. Ground water table was found at elevation +- 4.0 feet below the existing grade. The purported operation may take place at or below the water table.

The conditions described herein are representative only of the areas where the tests were taken.. If unusual or varying conditions are later discovered further engineering studies will be required. All elevations are taken relatively to the existing ground surface.

SITE PREPARATION

The general site and any area within a 5.0 feet distance externally to any exterior wall and footing shall be cleared and grubbed to remove all vegetation, roots. debris. and topsoils. The site shall then be excavated to a minimum depth of 1.0 foot. All roots. topsoils and any other unsuitable materials shall be excavated and removed from the site. Suitable materials shall be

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EASTCOAST TESTING & ENGINEERING, INC.

REPORT : Neil Deputy WORK ORDER : P 957958

stockpiled for reuse. The general excavated surface shall then be compacted using a **14 inch** Rammer (Jumping Jack) operating at **maximum efficiency** with a minimum of Thirty Overlapping Passes to consolidate the loose layers below to a minimum depth of 4.0 feet. The area shall then be backfilled by lifts as required below and the exposed surface shall then be proofrolled using the equipment specified above with a minimum of Five Overlapping Passes. The construction areas shall then be tested to within 98% of the Soils Modified Maximum Dry Density as per AASHTO DESIGNATION T-180. inspected by this laboratory and verified with field density-moisture relationship. Two retest borings shall be taken to verify the compactive effort. **If the area is not properly compacted a 25 Tons Static Roller may have to be used.**

The subsurface conditions described in our borings are representative only of the areas in the vicinity of our tests. Any variation in location may reveal similarly some changes in the depth, thickness, texture, condition of the stratum encountered . The elevation of the ground water as specified in the logs relates strictly to the location and the time of the drilling operation. The water table fluctuates with tides, runoffs, drawdowns contribution of the watershed to the aquifer. The materials extracted by our borings from the ground represent but a fraction of the total deposit at the site. They may therefore not reflect a flawless representation of the profile and should not be considered as such

The site could be raised to any desired elevation with the use of clean backfill..Materials to be used as fill shall contain no more than 5% by weight organic and clayey matter and no man-made debris. They shall be free of roots, fiber, branches, leaves, they should not contain any rock and gravel larger than 3 inches or 50% of the compacted layer thickness. They shall be placed in lifts not to exceed 18 inches loose thickness and compacted as required above.

Should you need our help in the investigation of any other technical aspect or in the execution of this project, or should you require our assistance with any other project , please do not hesitate to contact this office.

Respectfully Submitted.
EASTCOAST TESTING & ENGINEERING, INC.

Etienne Prophete: P.E.
State of Florida # 44316

Craig Smith, President

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EASTCOAST TESTING & ENGINEERING, INC.

4100 North Powerline Rd. - Suite G-1
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4361 Okeechobee Blvd. - Suite A-5
West Palm Beach, Florida 33409
(800) 329-7645 (SOIL) - (407) 471-8220

ESTABLISHED 1981

SOIL REPORT

C.O.D.: PO#:
LABORATORY NUMBER 937939 OFFICE FAX #: 305 - 971-8872 BORING NUMBER 1
CLIENT NEIL DEPUTY CUSTOMER #: 3650
PROJECT: 1620 DREYER AVENUE MIAMI BEACH CREW CHIEF: H. E.
CONTRACTOR NEIL DEPUTY DRILLER: B.S.
BORING LOCATION WEST END OF SLAB DRILL RIG#: 3
GROUND WATER 4' DATE: 11-17-95 ELEVATION: NOT FURNISHED CASING: 3"/AUGER

NOTE: SURVEY NOT GIVEN UNLESS NOTED: B.E.G: BELOW EXISTING GRADE LOCATIONS ARE APPROX UNLESS STAKED

BORING NUMBER: 1 PAGE NUMBER: 1

DEPTH FEET	SAMPLE NUMBER	VISUAL SOIL CLASSIFICATION/AASHTO M145/ASTMD2487	N VALUES	BLOWS ON SAMPLER	SPT 2ND 6"
1	1	Very dark grayish brown fine sand with trace of root	3	1	1
2				2	1
3			7	2	3
4	2	Reddish brown fine beach sadn		4	6
5				6	4
6	3	Pale brown and light yellowish brown fine beach sand with shell fragments	11	7	9
7				12	11
8			25	14	18
9	4	Light yellowish brown beach sand with shell fragments		20	18
10			42	24	23
11				18	14
12			30	16	9
13	5	Light yellowish brown with some light gray sand with slight trace of gravel		10	8
14			18	10	9
15				8	10
16		BORING TERMINATED @ 15'			

STANDARD PENETRATION TEST BORING: BLOWS PER FOOT ON 2" O.D. SAMPLER WITH 140 LB. HAMMER FALLING 30"

SOIL INVESTIGATION AND SAMPLING BY AUGER BORINGS: A.S.T.M. D 1452/STANDARD PENETRATION TEST ASTM D-1586.

THE ABOVE TEST BORING WAS CONDUCTED IN ACCORDANCE WITH A.S.T.M. DESIGNATION D-1586. AS A MUTUAL PROTECTION TO THE OWNERS AND OURSELVES, THE ENGINEER AND/OR ARCHITECT IN THE SHALL CHECK THIS REPORT WITH THE SAMPLES SUBMITTED PRIOR TO THE PURCHASE OF PROPERTY, OR DESIGNING OF FOUNDATIONS AND STRUCTURES.

RESPECTFULLY SUBMITTED,
EASTCOAST TESTING & ENGINEERING, INC.

CRAIG S. SMITH, PRESIDENT

ETIENNE PROPHETE, V.P., P.E. #44316

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EASTCOAST TESTING & ENGINEERING, INC.

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West Palm Beach, Florida 33409
(800) 329-7645 (SOIL) - (407) 471-8220

ESTABLISHED 1981

C.V.O.: C.O.D.: P.O.#:

LABORATORY NUMBER 957958 OFFICE FAX #: 305 - 971-8872 BORING NUMBER 2
CLIENT NEIL DEPUTY CUSTOMER #: 3650
PROJECT: 1620 DREYER AVENUE MIAMI BEACH CREW CHIEF: H. E.
CONTRACTOR NEIL DEPUTY DRILLER: B.S.
BORING LOCATION EAST END AT SLAB DRILL RIG#: 3
GROUND WATER 4' DATE: 11-17-95 ELEVATION: NOT FURNISHED CASING: 3"/AUGER

NOTE: SURVEY NOT GIVEN UNLESS NOTED: B.E.G: BELOW EXISTING GRADE LOCATIONS ARE APPROX UNLESS STAKED

PAGE NUMBER: 1

DEPTH FEET	SAMPLE NUMBER	BORING NUMBER: VISUAL SOIL CLASSIFICATION/AASHTO M145/ASTMD2487	N VALUES	BLOWS ON SAMPLER	SPT 2ND 6"
1	1	Very dark grayish brown fine sand with: few calcarsous gravel	3	2	1
2				2	2
3	2	Light yellowish bwn w/some very dark grayish bwn sand w/tr of root & grave	10	3	4
4	3	Pale brown beach sand and shell fragments		6	8
5			21	7	8
6				13	11
7			23	6	8
8				15	20
9	4	Very pale brown and pale brown beach sand with shell fragments	23	17	13
10				10	15
11			34	22	19
12				15	10
13	5	Light gray with trace of brownish yellowish fine sand	15	9	7
14				8	8
15				9	8
16		BORING TERMINATED @ 15'			

STANDARD PENETRATION TEST BORING: BLOWS PER FOOT ON 2" O.D. SAMPLER WITH 140 LB. HAMMER FALLING 30"

SOIL INVESTIGATION AND SAMPLING BY AUGER BORINGS: A.S.T.M. D 1452/STANDARD PENETRATION TEST:ASTM D1586.

THE ABOVE TEST BORING WAS CONDUCTED IN ACCORDANCE WITH A.S.T.M. DESIGNATION D-1586. AS A MUTUAL PROTECTION TO THE OWNERS AND OURSELVES, THE ENGINEER AND/OR ARCHITECT IN THE SHALL CHECK THIS REPORT WITH THE SAMPLES SUBMITTED PRIOR TO THE PURCHASE OF PROPERTY, OR DESIGNING OF FOUNDATIONS AND STRUCTURES.

RESPECTFULLY SUBMITTED,
EASTCOAST TESTING & ENGINEERING, INC.

CRAIG S. SMITH, PRESIDENT

ETIENNE PROPHETE, V.P., P.E. #44316

4

EASTCOAST TESTING & ENGINEERING, INC.

4100 North Powerline Rd. - Suite G-1
Pompano Beach, Florida 33073
Broward (305) 972-7645 (SOIL) - Dade (305) 947-4788

4361 Okeechobee Blvd. - Suite A-5
West Palm Beach, Florida 33409
(800) 329-7645 (SOIL) - (407) 471-6220

ESTABLISHED 1981

CVO: C.O.D.: PO#:

LABORATORY NUMBER [illegible] OFFICE FAX #: 305 - 971-8872 BORING NUMBER 2
CLIENT NEIL DEPUTY CUSTOMER #: 3650
PROJECT: 1620 DREYER AVENUE MIAMI BEACH CREW CHIEF: H. E.
CONTRACTOR NEIL DEPUTY DRILLER: B.S.
BORING LOCATION EAST END AT SLAB DRILL RIG#: 3
GROUND WATER 4' DATE: 11-17-95 ELEVATION: NOT FURNISHED CASING: 3"/AUGER

NOTE: SURVEY NOT GIVEN UNLESS NOTED: B.E.G: BELOW EXISTING GRADE LOCATIONS ARE APPROX UNLESS STAKED

DEPTH FEET	SAMPLE NUMBER	BORING NUMBER: PAGE NUMBER: 1 VISUAL SOIL CLASSIFICATION/AASHTO M145/ASTMD2487	N VALUES	BLOWS ON SAMPLER	SPT 2ND 6"
				2	1
1	1	Very dark grayish brown fine sand with few calcareous gravel	3	2	2
2				3	4
3	2	Light yellowish bwn w/some very dark grayish bwn sand w/tr of root & grave	10	6	8
4	3	Pale brown beach sand and shell fragments		7	8
5			21	13	11
6				6	8
7			23	15	20
8				17	13
9	4	Very pale brown and pale brown beach sand with shell fragments	23	10	15
10				22	19
11			34	15	10
12				9	7
13	5	Light gray with trace of brownish yellowish fine sand	15	8	8
14				9	8
15					
15		BORING TERMINATED @ 15'			

STANDARD PENETRATION TEST BORING: BLOWS PER FOOT ON 2" O.D. SAMPLER WITH 140 LB. HAMMER FALLING 30"

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THRESHOLD/SPECIAL INSPECTIONS, SOILS, BORINGS, ASPHALT, CONCRETE & ENVIRONMENTAL TESTING LABORATORY

PERMIT NUMBER

B98-01121

ADDRESS

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ETS
ENVIRONMENTAL TESTING SERVICES INCORPORATED

January 26, 1998

Neal R. Deputy
Neal R. Deputy Architect
1620 Drexel Avenue
Miami Beach Florida 33139

RE: INTERIOR ASBESTOS SURVEY **REPORT # ETS98-035IAS**
Miami Beach Community Church Thrift Shop
1620 Drexel Avenue
Miami Beach, Florida

Dear Mr. Deputy,

Pursuant to your request **ETS ENVIRONMENTAL TESTING SERVICES, INC.** has performed an Interior Asbestos Survey on the above referenced facility. The survey was conducted on January 26, 1998. The purpose of our inspection was to determine the presence, extent, and condition of Asbestos Containing Materials (ACM) of the building. Therefore our Certified Asbestos Surveyor secured bulk samples for analysis.

Building Description: The survey site consist of three rooms in a free standing building. The building is constructed with concrete block walls and a concrete floor slab. The interior walls are fire block with a drywall/plaster surface. The flooring has two layers of floor tile and the ceiling is 1'x 1' tile and plaster. The area surveyed occupies approximately 1,543 Square Feet.

Laboratory Methods: Each sample was returned to the laboratory at **ETS Environmental Testing Services, Inc.**, logged, and analyzed. All analyses were performed using the Polarized Light Microscopy (PLM) Method of asbestos detection.

Survey Limitations: The objective of this survey was to perform a screening to identify and quantify the existing ACM in the survey areas. This inspection report is the result of a diligent search of the facility for asbestos containing building materials (A.C.B.M.). All analyzed samples were readily available to our surveyor. No invasive sampling was preformed by the surveyor. If in the course of a renovation or demolition activity, suspect materials become exposed, all activities should immediately cease and the suspect material brought to our attention for evaluation and recommendation. The survey was designed to assist the building owner and other construction managers and contractors in locating ACM.

Survey Results: Based on our survey and bulk sample analysis, it was evident that asbestos fibers were found in the following samples. The sample number, location, and approximate square footage is as follows:

# 7	Blue Floor Tile / N.W. Front Room	approx. 572 S.F.
# 8	Blue Floor Tile / S.E. Room	
# 9	Blue Floor Tile / S.E. Room	approx. 420 S.F.
	Total	**approx. 992 S.F.**

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The results of our inspection / survey and laboratory analysis indicate that NON-FRIABLE asbestos containing material in the form of Blue Floor Tile exist in the buildings located at 1620 Drexel Avenue, Miami Beach, Florida

DEFINITIONS :

* **FRIABLE** asbestos containing materials are those which when dry, may be crumbled or reduced to powder by hand pressure. Friable asbestos containing materials pose the greatest threat to human health because of the tendency to release harmful asbestos fibers into the air when disturbed.

* **NON-FRIABLE** asbestos containing materials are those which are hard to crumble or reduce to a powder without the use of tools. However, non-friable materials may become friable if abraded or broken.

CLOSING REMARKS

A. Category I Non-Friable Asbestos Containing Material

A - Blue Floor Tile

Prior to initiating any renovation or demolition project, Federal Law requires that the local EPA representative"s office (The Department of Environmental Resources Management, 801 S.W. 3rd Avenue, Miami, Florida 33130) be notified in writing at least 10 working days prior to the onset of the project. The State Asbestos Coordinator's Office also requires copy of the notification (address to Edward Palagyi, State of Florida Environmental Regulations, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400).

Please note that under Florida Statutes (Chapter 455.302), effective removal of asbestos containing materials (other than vinyl flooring materials 1) from this facility must be preformed by an asbestos contractor who is licensed as such in the State of Florida.

Facilities with category I & II non-friable A.C.M. can be demolished with the A.C.M. in place using wet methods given that the A.C.M. does not become friable during the procedure. Said demolition must be supervised by a person with training & experience meeting that of a "Competent Person" under the definition found in 29 CFR 1926.1011.

Specific recommendations for the management of asbestos -containing materials in this facility are outside the scope of this report.

It is recommended that you contact your local E.P.A. representative regarding the disposition of the Floor Tile prior to initiating any renovation or demolition activity which may result in a disturbance of this material.

Foot Notes : #1 The following conditions must be met: (1) The VAT must remain a category I non-friable material during the removal activity. (2) All such work activities are preformed according to the recommended work practices published by the Resilient Floor Covering Institute in July 1990 and amended in December 1992. (3) The removal is not subject to the asbestos licensing or accreditation requirements pursuant to federal asbestos NESHAP regulations as promulgated by the U.S.E.P.A. (4) All persons removing the resilient floor covering or its adhesive have received 8 hours of training in the use of such recommended work practices and asbestos awareness. (5) Written notice of the time, place and company performing such removal is provided to the Department of Business and Professional Regulation at least 3 days prior to such removal. The contractor removing such flooring materials is responsible for maintaining proof that all the conditions required are met.

When impiementing the response actions, parties responsible for final selection should remember that action shall be sufficient to protect HUMAN HEALTH AND THE ENVIRONMENT. Nothing in these recommendations should be construed as PROHIBITING or DISCOURAGING removal.

DISCLAIMER: This inspection report is the result of a diligent search of the facility for Asbestos Containing Building Material (A.C.B.M.). The Purpose of this inspection was to identify those materials which may pose a health hazard to the occupants of the building and impart future liability to the Owners and insurers of the property. However, after a comprehensive inspection, we do not claim to have identified all of the A.C.B.M. present in the facility. Materials such as underground pipes, any material inside the walls, ceilings, floors or other enclosed and unaccessible areas were not sampled and are not covered in this report.

ETS ENVIRONMENTAL TESTING SERVICES, INC. greatly appreciates the opportunity to work with you, should you have any questions or comments, please feel free to call.

Respectfully submitted,
ETS ENVIRONMENTAL TESTING SERVICES, INC.

Dennis Emerson I.H.
A.H.E.R.A. Inspector Cert. No. 3070
ZA # 0000218

I hereby certify that the Interior Asbestos Survey conducted on January 26, 1998, at the **Miami Beach Community Church Thrift Shop,** 1620 Drexel Avenue, Miami Beach, Florida, was preformed by Dennis Emerson an A.H.E.R.A. Certified Inspector utilizing the code of the Federal Regulation Standards, 40 C.F.R., Part 763, Subpart E, Section 763.80-763.99 and the State Asbestos Regulations,Florida Statues 469.003.

A.H.E.R.A. Building Inspector: _____ 1/26/98
Dennis Emerson, I.H. Date
A.H.E.R.A. Inspector Certificate No. 3070

Reviewed by: _____ 1/27/98
Bruce Marchette, C.I.H. Date
Florida Licensed Asbestos Consultant No.IA0000041

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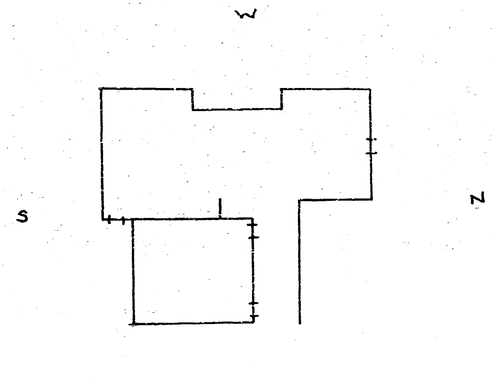
SERVICES, INCORPORATED



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BULK SAMPLE TRANSMITTAL FORM

Client Name: Neal R. Deputy Architect

Project Name : Miami Beach Community Church Thrift Shop
1620 Drexel Avenue
Miami Beach, Florida

Report Number: ETS98-0351AS **Date Collected:** 01/26/98

Sample #	Location of Sample	Description	Condition	Asbestos
#1	S.W. Rear Room / Floor	Orange f/t w/mastic	F.C.	NAD
#2	N.W. Front Room / Floor	Orange f/t w/mastic	F.C.	NAD
#3	S.E. Room / Floor	Orange f/t w/mastic	F.C.	NAD
#4	S.W. Rear Room / Floor	White f/t w/mastic	F.C.	NAD
#5	S.W. Rear Room / Floor	White f/t w/mastic	F.C.	NAD
#6	S.W. Rear Room / Floor	White f/t w/mastic	F.C.	NAD
#7	N.W. Front Room / Floor	Blue f/t w/mastic	F.C.	YES
#8	S.E. Room / Floor	Blue f/t w/mastic	F.C.	YES
#9	S.E. Room / Floor	Blue f/t w/mastic	F.C.	YES
#10	N.W. Front Room / Ceiling	1x1 Ceiling Tile	F.C.	NAD
#11	N.W. Front Room / Ceiling	1x1 Ceiling Tile	F.C.	NAD
#12	N.W. Front Room / Ceiling	1x1 Ceiling Tile	F.C.	NAD
#13	S.E. Room / Ceiling	Plaster	F.C.	NAD
#14	S.E. Room / Ceiling	Plaster	F.C.	NAD
#15	S.W. Rear Room / Ceiling	Plaster	F.C.	NAD
#16	S.W. Rear Room / Wall	Plaster	F.C.	NAD
#17	S.W. Rear Room / Wall	Plaster	P.C.	NAD
#18	S.E. Room / Wall	Plaster	P.C.	NAD
#19	S.E. Room / Wall	Fire Block	P.C.	NAD
#20	S.W. Rear Room / Wall	Fire Block	P.C.	NAD

Sampled By: Dennis Emerson

NAD = NO ASBESTOS DETECTED

SAMPLE CONDITION CODES

G.C. Good Condition F.C. Fair Condition P.C. Poor Condition P.D Physical Damage W.D. Water Damage F Friable
N.F. Non-Friable H. Con. High Contrast M. Con. Moderate Contrast L. Con. Low Contrast

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Project : Miami Beach Community Church Thrift Shop
Lab Code : 020

Sample Number	Anal. Init.	Sample Item Description	Asbestos Percentage & Type Identified		Percentage & Type Non-Asbestos Fibers	Percentage Non-Fiber Mat.
1	DKE	Floor Tile	NAD			100 Matrix
2	DKE	Floor Tile	NAD			100 Matrix
3	DKE	Floor Tile	NAD			100 Matrix
4	DKE	Floor Tile	NAD		3-5 Synthetic	95-97 Matrix
5	DKE	Floor Tile	NAD		3-5 Synthetic	95-97 Matrix
6	DKE	Floor Tile	NAD		3-5 Synthetic	95-97 Matrix
7	DKE	Floor Tile	YES	5-7 Chrysotile	3-5 Synthetic	83-92 Matrix
8	DKE	Floor Tile	YES	5-7 Chrysotile	3-5 Synthetic	83-92 Matrix
9	DKE	Floor Tile	YES	5-7 Chrysotile	3-5 Synthetic	83-92 Matrix
10	DKE	Ceiling Tile	NAD		30-35 Fiber glass 40-45 Cellulose	20-30 Matrix

Dennis Emerson I.H.
Microscopist
Environmental Testing Services, Inc.

N.A.D. = No Asbestos Detected
* = In Mastic Only

2

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Environmental Testing Services, inc.
7775 Miramar Parkway
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(954) 981-6838

Project : Miami Beach Community Church Thrift Shop
Lab Code : 020

Sample Nuraber	Anal. Init.	Sample Item Description	Asbestos Percentage & Type Identified		Percentage & Type Non-Asbestos Fibers	Percentage Non-Fiber Mat.
11	DKE	Ceiling Tile	NAD		30-35 Fiber glass 40-45 Cellulose	20-30 Matrix
12	DKE	Ceiling Tile	NAD		30-35 Fiber glass 40-45 Cellulose	20-30 Matrix
13	DKE	Plaster	NAD			100 Matrix
14	DKE	Plaster	NAD			100 Matrix
15	DKE	Plaster	NAD			100 Matrix
16	DKE	Plaster	NAD		3-5 Synthetic	95-97 Matrix
17	DKE	Plaster	NAD		3-5 Synthetic	95-97 Matrix
18	DKE	Plaster	NAD		3-5 Synthetic	95-97 Matrix
19	DKE	Fire Block	NAD		3-5 Cellulose	95-97 Matrix
20	DKE	1x1 Floor Tile	NAD		3-5 Cellulose	95-97 Matrix

Dennis Emerson I.H.
Microscopist
Environmental Testing Services, Inc.

N.A.D. = No Asbestos Detected
* = In Mastic Only

2

STEEL DOORS.

Firedoor Corporation of Florida

ACCEPTANCE No.: 96-1219.06
APPROVED: JUN 2 6 1997
EXPIRES: JUN 2 6 2000

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 stated in the specific conditions of this Acceptance.

3. Renewals of Acceptance will not be considered if:
   a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
   b) The product is no longer the same product (identical) as the one originally approved;
   c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
   d) The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.

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

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

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

7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The copies need not be re-sealed 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(f) 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 installation 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 stile. Fastener shall fully penetrate the buck, which shall be the same size as the one tested with the unit. No wood or plastic shields or plins 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

2

Firedoor Corporation of Florida

ACCEPTANCE No.: 96-1219.06
APPROVED : JUN 2 6 1997
EXPIRES : JUN 2 6 2000

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
4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94.
along with installation diagram of a hollow metal door, prepared by Hurricane Engineering & Testing Inc., Test Report No. HETI-96-1069, dated October 1, 1996, signed and sealed by Hector M. 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.
along with installation diagram of a hollow metal door, prepared by Hurricane Engineering & Testing Inc., Test Report No. HETI-96-573, dated October 2, 1996, signed and sealed by Hector M. Medina, P.E.

8.2 Drawing:

8.2.1 Manufacturer's parts and section drawings.

8.2.2 Drawing No. 96-1219.06, Firedoor Corporation of Florida, 6070HMDF Double Outswinging Commercial Metal Door, Sheets 1 through 7 of 7, prepared by manufacturer, dated 06/09/97, signed and sealed by Frank J. Simon, P.E.

8.3 Material certification:

8.3.1 Tensile Test prepared by Hurricane Engineering & Testing Inc., Report No. HETI-96-T34, dated October 16, 1996, for steel samples, tested per ASTM E8-93a, signed and sealed by Hector M. Medina, P.E.

8.3.2 Notice of Acceptance No. 95-0626.01 approved on 01/11/96, expiring 01/11/99, issued to Apache Products Co. for EPS – Expanded Polystyrene Insulation Pre-formed block-type insulation with a minimum density of 1.07 pcf.

8.4 Calculations:

8.4.1 Anchor calculations prepared by Applied Engineering Concepts, Inc., File No.97-0118, Job No. 97-0601, dated June 6, 1997, signed and sealed by K.A. Whitfield, P. E.

9. COMPARATIVE ANALYSIS: None

10. TYPICAL DOOR ELEVATION AND CROSS SECTIONS: See Firedoor Corporation of Florida Drawing No. 96-1219.06, Sheets 1 through 7 of 7, bearing the Dade County Product Control approval stamp.

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

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Firedoor Corporation of Florida

ACCEPTANCE No.: 96-1219.06

APPROVED : JUN 2 6 1997

EXPIRES : JUN 2 6 2000

NOTICE OF ACCEPTANCE SPECIFIC CONDITIONS

7. TESTS

7.1 TESTS PERFORMED: **RESULTS:**

TEST	TEST LOADS	DESIGN LOADS
AIR INFILTRATION @ 1.57 PSF SFBC PA 202-94 (1.25 CFM/FT²)	0.005 CFM/FT² HETI-96-1069	----------
AIR INFILTRATION @ 6.24 PSF SFBC PA 202-94 (1.25 CFM/FT²)	0.043 CFM/FT² HETI-96-1069	----------
UNIFORM STATIC PRESSURE @ DESIGN LOAD SFBC PA 202-94 POSITIVE	+56.0 PSF HETI-96-1069	+56.0 PSF HETI-96-1069
UNIFORM STATIC PRESSURE @ DESIGN LOAD SFBC PA 202-94 NEGATIVE	-72.0 PSF HETI-96-1069	-72 PSF HETI-96-1069
WATER RESISTANCE (PSF) SFBC PA 202-94	+8.4 PSF HETI-96-1069	+56.0 PSF HETI-96-1069
UNIFORM STATIC AIR PRESSURE @ FULL TEST LOAD SFBC PA 202-94 POSITIVE	+84.0 PSF HETI-96-1069	+56.0 PSF HETI-96-1069
UNIFORM STATIC AIR PRESSURE @ FULL TEST LOAD SFBC PA 202-94 NEGATIVE	-108.0 PSF HETI-96-1069	-72.0 PSF HETI-96-1069
FORCED-ENTRY RESISTANCE (FER) SFBC Section 3603.02 and SFBC PA 202-94	SATISFACTORY HETI-96-1069	----------
LARGE MISSILE IMPACT TEST SFBC PA 201-94	SATISFACTORY HETI-96-573	----------
CYCLIC WIND PRESSURE TEST SFBC PA 203-94 POSITIVE	+75.0 PSF HETI-96-573	+56.1 PSF HETI-96-573
CYCLIC WIND PRESSURE TEST SFBC PA 203-94 NEGATIVE	-94.0 PSF HETI-96-573	-72.3 PSF HETI-96-573
Design Pressure Rating (Positive)		+56.0 PSF
Design Pressure Rating (Negative)		-72.0 PSF

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

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Firedoor Corporation of Florida

ACCEPTANCE No.: 96-1219.06
APPROVED : JUN 2 6 1997
EXPIRES : JUN 2 6 2000

NOTICE OF ACCEPTANCE SPECIFIC CONDITIONS

4.1.2 **Attachment to Existing or New Masonry/Concrete:**
4.1.2.1 **Head:** One (1) expansion anchor with 3/8" x 5" flat head slotted screw in center.
4.1.2.2 **Jambs:** Three (3) 3/8" x 5" Flat Head screws expansion anchors per jamb (min. embedment 1-1/2") anchored to grout filled hollow blocks at 17" from the bottom, 30" o/c maximum, and 9" from the top.
Additionally: One Floor Anchor FC per jamb, welded to jamb and anchored to floor slab using one #10 x 2" SMS w/lead anchor.
4.1.2.3 **Sill:** Six (6) #10 x 2" SMS w/lead anchor spaced at 12" o. c.
4.1.3 **Attachment to New Masonry/Concrete:**
4.1.3.1 **Head:** One (1) expansion anchor with 3/8" x 5" flat head slotted screw in center.
4.1.3.2 **Jambs:** Three (3) Masonry "I" Anchors per jamb embeddedt in grout filled hollow concrete block wall spaced at 17" from the bottom, 30" o/c maximum, and 9" from the top.
Additionally: One Floor Anchor FC per jamb, welded to jamb and anchored to floor slab using one #10 x 2" SMS w/lead anchor.
4.1.3.3 **Sill:** Six (6) #10 x 2" SMS w/lead anchor spaced at 12" o. c.

4.2 Attachments of sub-bucks 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 50018. Aluminum contacting 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 Application 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

2

Firedoor Corporation of Florida

ACCEPTANCE No.: 96-1219.06
APPROVED : JUN 2 6 1997
EXPIRES : JUN 2 6 2000

NOTICE OF ACCEPTANCE SPECIFIC CONDITIONS

2.6 Hardware(Continued)

2.6.2 Two	*Taco Surface Bolts/Hurricane Locks Model UL 453* ¼" thick surface mounted security surface bolt.	Mounted at the top and bottom of active door.
2.6.3 Two	*Glyn-Johnson FB6 Manual Flush Bolts* Spring loaded snap action lever.	Mounted at the top and bottom of inactive door.
2.6.4 Three	*Stanley Full Mortise Template Butt Hinges Model F179.* 4-1/2" x 4-1/2"x 0.134" thickness steel hinges. Each attached with eight #12-24 x ½" FH MS.	At panel hinge side, 17" from bottom and 29" o/c.

2.7 Sealant: *G.E.* Silicone Household Sealant caulk is applied around perimeter of threshold, along the edge of each astragal between astragal and door, in the corner joints of the frame and the seams of each door, around perimeter of locks and hinges.

3. LIMITATIONS

3.1 This approval applies to single unit applications of pair of doors and single door only, as shown in Section 10. Single door units shall include all components described in the active leaf of this approval.
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.

4. INSTALLATION

4.1 Method of Attachment
4.1.1 Attachment to Wood Buck:
4.1.1.1 Head: One (1) 3/8" x 5" Lag screw at midspan.
4.1.1.2 Jambs: Three (3) 3/8" x 5" Lag screws per jamb (min. embedment 1-1/2") located at 17" from the bottom, 9" from the top and the rest at 30" o/c maximum.
Additionally: One Floor Anchor FC per jamb, welded to jamb and anchored to floor slab using one #10 x 2" SMS w/lead anchor.
4.1.1.3 Sill: Six (6) #10 x 2" SMS w/lead anchor spaced at 12" o. c.

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

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Firedoor Corporation of Florida

ACCEPTANCE No.: 96-1219.06
APPROVED : JUN 2 6 1997
EXPIRES : JUN 2 6 2000

NOTICE OF ACCEPTANCE SPECIFIC CONDITIONS

2.5 Weatherstrips:

Quantity	Description	Location
2.5.1 One Row	*Pemko #PK22* ½" x 83-3/4" v-shaped double backed self-adhesive *PemkoPrene™* pressure sensitive door gasketing.	Along the inside edge of door beside astragal.
	OR	
2.5.1 One Row	*Pemko #S88* ½" wide x ½" high double backed self-adhesive *SiliconSeal™* pressure sensitive door gasketing.	Along the inside edge of both astragals, along the inside bottom edge of door, 7-1/2" long piece along top inside edge of astragal on inactive door, around inside perimeter of frame at the top and two (2) strips around inside perimeter of vert. frame jambs.

2.6 Hardware:

Quantity	Description	Location
2.6.1 One	*Schlage Mortise Lock* *Model L9053* Grade 1, entrance by lever, key locks or unlocks lever.	At panel lock side, 48" from top of active door. Included strike at frame lock jamb.
	OR	
2.6.1 One	*Schlage Deadbolt Lock* *Model B660* Key operated.	At panel lock side, 36" from top of active door. Included strike at frame lock jamb.
2.6.2 One	*Schlage Cylindrical Lock* *Model AL70PD* Grade 2, latch lock, inside/outside lever operated.	At panel lock side, 46" from top of active door. Included strike at frame lock jamb.
	OR	
2.6.1 One	*Von Duprin Panic Mechanism* *Model 9927NL* Exit by push bar. *Model 990 NL-V Trim* Key retracts latch bolt.	At panel lock side, 48" from top of both doors. At panel lock side, mounted on right door. Included strike at frame lock jamb.
2.6.2 One	*Von Duprin Panic Mechanism* *Model 990 NL-V Trim* Key retracts latch bolt.	At panel lock side, mounted on right door. Included strike at frame lock jamb.

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

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Firedoor Corporation of Florida

ACCEPTANCE No.: 96-1219.06
APPROVED : JUN 2 6 1997
EXPIRES : JUN 2 6 2000

NOTICE OF ACCEPTANCE SPECIFIC CONDITIONS

2.3.6 Top and bottom edges: 18 gauge inverted channel spot-welded at the top and bottom of each door. Closing channels flush with the top and bottom of each door.

2.3.7 Reinforcements:

	Quantity	Description	Location
2.3.7.1	Three	Door Hinge Reinforcement 1-1/4" x 10" long x 0.20" thick steel plate.	Inside door panel, one at each hinge location.
2.3.7.2	One	Door Stiffener 1-3/8" x 1-5/8" x 83" long x 0.54" thick steel formed angle.	Inside door panel, vertically at hinge side.
2.3.7.3	One	Door Lock Reinforcement 0.10" thick steel plate.	At door panel lock bore location.
2.3.7.4	One	Overlapping channels (1-1/2" x 3-5/8" x 0.10" thick with 1-1/2" x 4" x 0.10" thick)	Inside door panel at the locking edge of each door

2.3.8 Glazing moldings and stops: None.
2.3.9 Astragal: An 1-1/2" x 83-3/4"x .10" thick steel plate on outside edge of active door and inside edge of inactive door; attached with eight #8 x ½" SMS spaced at 10" o. c.
2.3.10 Finish: All doors shall have a rust inhibitive primer finish

2.4 Frame Construction:

2.4.1 Type: The frame jambs and head are 16 gauge (0.059") steel, rabetted profile, 2" face and a depth of 5-3/4".
2.4.2 Material: 16 gauge (0.059" thick) commercial grade steel.
2.4.3 Construction: Mitered corner construction continuously welded.
2.4.4 Reinforcements: Hinge reinforcing plate, 1-3/4" x 10" long x 3/16" thick steel plate spot welded to jamb at each hinge location. and a 6" x 10" x .010" thick steel reinforcing plate at lock strike location.
2.4.5 Threshold:
2.4.5.1 *Pemko #2005AV*: Extruded aluminum latching panic exit saddle ¼" - ½" high x 5" wide with slide-in vinyl weatherstrip insert and anchored with six(6) #10 x 2" SMS at 12" o/c.
2.4.5.2 *Pemko #2051AV*: Extruded aluminum bumper threshold 1" high x 3-5/16" wide with slide-in vinyl weatherstrip insert and anchored with six(6) #10 x 2" SMS at 12" o/c.
2.4.6 Finish: Rust inhibitive primer finish.

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

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Firedoor Corporation of Florida

ACCEPTANCE No.: 96-1219.06
APPROVED : JUN 2 6 1997
EXPIRES : JUN 2 6 2000

NOTICE OF ACCEPTANCE SPECIFIC CONDITIONS.

1. DESCRIPTION OF UNIT

1.1 This approves a commercial steel door system 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 in Section 3.

1.2 Model Designation: "6070-HMD-F" Double Out-Swinging Commercial Steel Door

1.3 Overall Size: 6' 4" (76") wide x 7' 2" (86") high x 5-3/4" deep

1.4 Configuration: XX

1.5 No. & Size of Panels: Two doors, 35-3/4" wide x 83-3/4" high x 1-3/4" deep (0.044" thick skin)

2. MATERIAL CHARACTERISTICS

2.1 Frame & Door Material: Cold Rolled Steel, Galvanized Steel, or Stainless Steel. Frame: 16 gauge. Minimum; Doors: 18 ga. (0.044") minimum

2.2 Glazing: None

2.3 Door Leaf Construction: Full flush type

2.3.1 Door thickness: The door leaf is 1-3/4" thick.

2.3.2 Face sheets: 18 ga. (0.044") minimum thickness commercial quality cold rolled steel. Construction conforming to ASTM A366, stainless steel conforming to ASTM A-167-84, galvanized steel conforming to ASTM A-526 and A525. The minimum coating weights shall meet or exceed the minimum requirements shown for A40 in the case of alloy coating and G60 for spangled coatings. All with a minimum yield strength of Fy=43.9 ksi.

2.3.3 Core Design:

2.3.3.1 Honeycomb reinforced. Phenolic resin-impregnated kraft paper 1" cell full honeycomb core laminated to both inside faces.

2.3.3.2 Polystyrene reinforced. Modified expandable polystyrene pre-formed slabs, density is 1.0 lbs./cu. in., mfg. by *Apache Products Co.*, bonded to inside of both face sheets.

2.3.3.3 Steel stiffened core. Five pairs of 3-5/8" x 7/8" x 83" x 0.026" thick steel stiffeners (hat shaped channels) positioned back-to-back and spaced at 5-1/2" o/c spot welded to the door panels. Voids between stiffeners to be filled with insulation.

2.3.4 Construction: Full flush construction Beveled edge steel slabs. Door panel consists of a door body and a door cover attached together using an edge seaming technique. Joint seams are tack welded.

2.3.5 Vertical edges: Vertical edges are an extension of the skin, roll formed to a mechanical interlock. One 2" x 83-3/4" x 0.10" thick steel astragal installed on the outside edge of the active door and inside edge of the inactive door; One 1-3/8" x 1-5/8" x 83" x 0.054" thick continuous angle installed near the hinge edge of each door; and overlapping channels (1-1/2" x 3-5/8" x 0.10" thick with 1-1/2" x 4" x 0.10" thick) installed near the locking edge of each door.

Manuel Perez

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

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METROPOLITAN DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Firedoor Corporation of Florida
1350 N.W. 74 Street
Miami FL 33147

Your application for Product Approval of:
6070-HMD-F Double Outswing Commercial Steel Doors
under Chapter 8 of the Metropolitan Dade County Code governing the use of Alternate Materials and Types of Construction, and completely described in the plans, specifications and calculations as submitted by:
Applicant, along with Drawing No. 96-1219, Sheets 1 thru 6 of 6. (For listing, see Section 8 of this Notice of Acceptance)
has been recommended for acceptance by the Building Code Compliance office to be used in Dade County, Florida under the specific conditions set forth on pages 2 et. seq. and the Standard Conditions on page 3.

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

Acceptance No.: 96-1219.06
Expires: 06/26/00

Raul Rodriguez
Product Control Supervisor

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

BUILDING CODE COMMITTEE

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

Charles Danger, P.E.
Director
Building Code Compliance Dept.
Metropolitan Dade County

Approved: 06/26/97

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

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GLASS DOOR

METROPOLITAN DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Arch Aluminum & Glass Company
1400 S.W. 6 Court, S.
Pompano Beach, FL 33069

Your application for Product Approval of:
Narrow Stile Aluminum Out-Swinging Storefront Door
under Chapter 8 of the Metropolitan Dade County Code governing the use of Alternate Materials and Types of Construction, and completely described in the plans, specifications and calculations as submitted by:
Applicant, along with Drawing No. 505, Sheet 1 of 1. (For listing, see Section 8 of this Notice of Acceptance)

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

Acceptance No.: 95-1031.01
Expires: 12/28/98

Raul Rodriguez
Product Control Supervisor

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

BUILDING CODE COMMITTEE

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

Charles Danger, P.E.
Director
Building Code Compliance Dept.
Metropolitan Dade County

Approved: 12/28/95

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(14)

Arch Aluminum and Glass Co.

ACCEPTANCE No.: 95-1031.01

APPROVED :

EXPIRES :

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. DESCRIPTION OF UNIT

1.1 This approves an aluminum double outswing storefront door 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 in Section 3.

1.2 Model Designation: Narrow Stile Aluminum Out-Swinging Storefront Doors (w/offset pivots)

1.3 Overall Size: 6' 3-1/2" wide by 7' 1-3/4" high x 4-1/2" deep.

1.4 Configuration: XX

1.5 No. & Size of Panels: Two; one active and one inactive, each 35-3/4" wide by 83-1/4" high.

2. MATERIAL CHARACTERISTICS

2.1 Frame and Door Panel Material: Aluminum alloy 6006-T6, 6063-T5 and 6063-T6.

2.2 Glazing:

2.2.1 Glazing Material: 1/4" tempered glass.

2.2.2 Glazing Method: Interior glazed with 7/16" penetration using aluminum snap-on glazing beads with vinyl bulb between glass and bead.

2.2.3 Daylight Opening Size: 30" wide by 75 5/8" high, each.

2.3 Frame Construction:

2.3.1 Head/Jamb: A 1 3/4" face x 4 1/2" deep x 0.081" wall thickness extruded aluminum open back tube with one 1/2" snap-on door stop.

2.3.2 Threshold: Saddle threshold is 4" wide x 1/2" high solid aluminum extrusion used at the sill.

2.3.3 Corner Construction: Corners are butt joined, frame stiles are secured to header with two #8 x 1-1/4" Pan Head SMS through screw splines in header and to the threshold using a frame portion bottom pivot (H-30) one piece pivot/angle secured with #10-24 x 1/2" flat head machine screw from threshold the stile and with #10-24 x 1/2" FHMS from threshold to pivot.

2.4 Panel Construction:

2.4.1 Stiles: Hinge stiles are 1.205" face by 1.750" deep x 0.090" wall thickness; active lock stile is 1.957" face by 1.750" deep by 0.091" wall thickness; inactive lock stile is 2.019" face by 1.750" deep by 0.090" wall thickness. All stiles are aluminum hollow tube extrusions.

2.4.2 Rails: Bottom rail consist of a 3.525" face x 1.630" deep x 0.100" wall thickness aluminum hollow tube extrusion with snap-in receptor for a glazing sash assembly. Top rail consist of a 2.525" face x 1.655" deep x 0.085" wall thickness aluminum hollow tube extrusion with snap-in receptor for a glazing sash assembly.

2.4.3 Glazing Sash: A two part assembly consisting of: a) the back (gutter) member, 0.898" face x 1.531" deep by 0.050" which snaps into the receptor of each stile and rail; and b) the face member, 1.020" face x .773" deep, that snaps into the back member.

Manuel Perez

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

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Arch Aluminum and Glass Co.

ACCEPTANCE No.: 95-1011.01

APPROVED :

EXPIRES :

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

2.4.4 Corner Construction: Panel corners are butt joined, top and bottom rails are secured to stiles with a 3/8"-16 x full length steel threaded rod thru a reinforcing clip (AGA-8 at stile) and (AGA-17 at top and bootom rail) secured with a 3/8" nut and washer at each corner.

2.5 Weatherstripping:

	Quantity	Description	Location
2.5.1	Single	Vinyl bulb	At frame head and jamb.
2.5.2	Single	Pile with integral fin	At active panel lock stile.
2.5.3	One	Pile weatherstrip - 7"	At lock cover plate at active panel.
2.5.4	One	Applied weatherstrip adapter with vinyl flap	At each panel bottom rail.

2.6 Hardware:

	Quantity	Description	Location
2.6.1	One	*AdamsRite* MS1850S Series(H14) deadlock, key operated cylinder on ext. and thumb turn on interior.	At active panel lock stile, 34" from bottom.
2.6.2	Two	*Reflectolite 6300 Series* manually operated flush bolts. (H-25)	At top and bottom of inactive panel lock stile.
2.6.3	Two	Extruded aluminum pull handle. (AR-800)	On interior side, 42 1/2" from bottom of each panel.
2.6.4	Two	Extruded aluminum push bar 1.437" wide x .484" thick with a supporting bracket at each end. (H-2)	On interior side, 42 1/2" from bottom of each panel.
2.6.5	Four	Extruded aluminum offset pivots. (H-26)	Top and bottom of each panel jamb stile.

2.7 Weepholes: None
2.8 Muntins: None
2.9 Reinforcement: None
2.10 Sealants & Pads: The frame corners are sealed with black colored sealant.

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

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Arch Aluminum and Glass Co.

ACCEPTANCE No.: 95-1031.01

APPROVED :

EXPIRES :

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

3. LIMITATIONS

3.1 This approval applies to single unit applications of pair of doors and single door only, as shown in Section 10. Single door units shall include all components described in the active leaf of this approval.

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

3.3 For Design Pressure Rating see Section 7.

3.4 The installation of this door requires an overhang above it that must stand out a distance equal to or larger than the height of the wall where the door is installed.

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

4. INSTALLATION

4.1 Screws and Method of Attachment

SILL : #14 x 1 3/4" Flat Head Wood Screws located 7-1/4" to 8" from corners and 12 1/4" o.c., max.
HEAD : #14 x 3" Flat Head Wood Screws located 7-1/4" to 8" from corners and 12 1/4" o.c., max.
JAMBS : #14 x 3" Flat Head Wood Screws located 3-1/2" to 6-3/4" from corners and 14" o.c., maximum.
Note: Please see note #11, Page 3

4.2 Attachments of sub-bucks 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 50018. Aluminum contacting metals not considered compatible shall be properly protected.

5. IDENTIFICATION

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

6. USE

6.1 Application 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.

6.1.3 Manufacturer's installation instructions.

6.2 A copy of this approval as well as the manufacturer's installation instructions shall be provided to the permit applicant by the manufacturer or his distributors and shall be available for inspections at the jobsite at all time.

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

6.4 Note: The installation of this unit will require a hurricane protective system.

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

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Arch Aluminum and Glass Co.

ACCEPTANCE No.: 95-1031.01

APPROVED :

EXPIRES :

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

7. TESTS PERFORMED

TEST		RESULTS	DESIGN LOADS
AIR INFILTRATION @ 1.57 PSF ASTM E283 (1.25 CFM/FT²)		1.25 CFM/FT2 FTL-1254	----------
UNIFORM STATIC PRESSURE SFBC PA 202-94 POSITIVE	DESIGN LOAD 30 Seconds	+62.1 PSF FTL-1254	+62.1 PSF FTL-1254
UNIFORM STATIC PRESSURE SFBC PA 202-94 NEGATIVE	DESIGN LOAD 30 Seconds	-62.1 PSF FTL-1254	-62.1 PSF FTL-1254
WATER RESISTANCE (PSF) SFBC PA 202-94		----------	----------
UNIFORM STATIC PRESSURE LOAD SFBC PA 202-94 POSITIVE	FULL TEST 30 Seconds	+93.2 PSF FTL-1254	+62.1 PSF FTL-1254
UNIFORM STATIC PRESSURE LOAD SFBC PA 202-94 NEGATIVE	FULL TEST 30 Seconds	-93.2 PSF FTL-1254	-62.1 PSF FTL-1254
FORCED-ENTRY RESISTANCE (FER) SFBC 3603.2(b)(5) & SFBC PA 202-94		SATISFACTORY FTL-1254	----------
Design Pressure Rating (Positive)			+62.1 PSF
Design Pressure Rating (Negative)			-62.1 PSF

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) Forced Entry Test, per SFBC 3603.2(b) and PA 202-94,
along with installation diagram of an aluminum out-swinging entrance door prepared by Fenestration Testing Laboratory, Inc. No. FTL-1254, dated August 8, 1995, signed and sealed by Yamil G. Kuri, P.E.

8.2 Drawings:

8.2.1 Drawing No. 305 Sheet 1 of 1, prepared by Arch Amarlite, dated January 23, 1996, signed and sealed by William D. Cook, P.E.

8.2.2 Manufacturer's die drawings and sections.

8.3 Calculations:

8.3.1 Anchor Calculations prepared by A.L. Bromley, P.E. Inc., signed and sealed by William D. Cook, P.E., dated November 06, 1995.

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

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(17)

Arch Aluminium and Glass Co.

ACCEPTANCE No.: 95-1031.01

APPROVED :

EXPIRES :

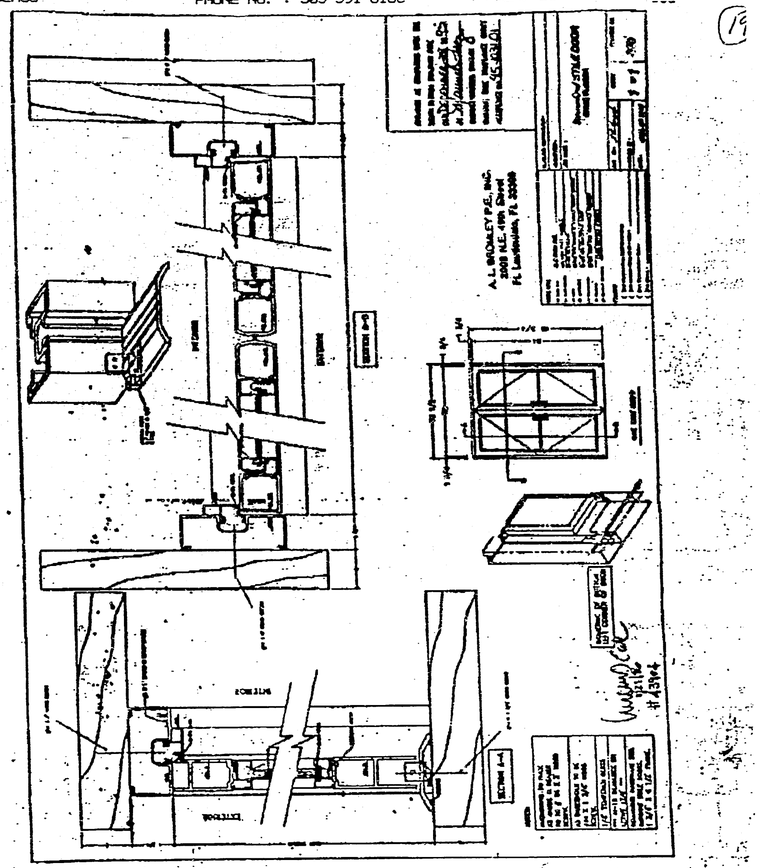
NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

9. COMPARATIVE ANALYSIS: N/A

10. TYPICAL ELEVATION: See Drawing No. 305, Sheet 1 of 1, bearing the Dade County Product Control approval stamp.

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

2



(18)

Tech Aluminum and Glass Co.

ACCEPTANCE NO. : 95-1011.01

APPROVED :

EXPIRES :

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

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

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

3. Renewals of Acceptance will not be considered if:
a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
b) The product is no longer the same product (identical) as the one originally approved;
c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
d) The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.

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

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

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

7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The copies need not be resealed 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(d) 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 installation 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 tested. The spacing of fasteners in all other parts of the frame, shall be as tested, 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 stile. Fastener shall fully penetrate the buck, which shall be the same size as the one [illegible]

2

BG801121

2

THE

MIAMI BEACH COMMUNITY CHURCH

OFFICE COPY
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY
THE FOLLOWING:
PLANS ROUTER: 01/29/98

THRIFT SHOP RENOVATION

ISSUED FOR PERMIT & PRICING
09 JANUARY 1998

THE MIAMI BEACH COMMUNITY CHURCH

OWNER: THE MIAMI BEACH COMMUNITY CHURCH INC.
A NON-PROFIT ORGANIZATION
THE REV. DR. GARTH R. THOMPSON, PASTOR
1620 DREXEL AVE. MIAMI BEACH, FL. 33139
PHONE: 305-538-4511 FAX: 305-532-7443

BUILDING: 1620 DREXEL AVENUE, MIAMI BEACH, FL. 33139

LOT 1 BLOCK 52 OCEAN BEACH DEVELOPMENT
FOLIO NO. 3234-003-0070 ZONE CD-3

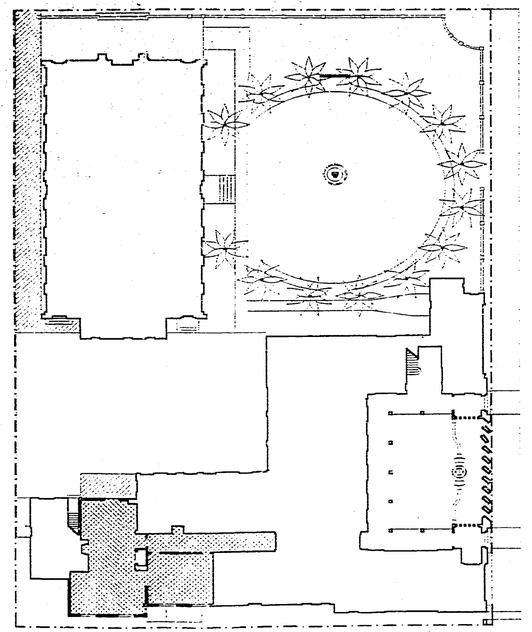
SANCTUARY BUILT 1921
PARISH BLDG. BUILT 1949

TYPE II CONSTRUCTION: (NON SPRINKLERED)

ARCHITECT: NEAL R. DEPUTY ARCHITECT INC.
AA# -0002934
520 LINCOLN ROAD
MIAMI BEACH, FL. 33139
PHONE: 305-534-4020 FAX: 305-534-4095

ENGINEER: ENVIRONMENTAL TESTING AND CONSULTING INC.
JAMES HANSKAT PE# -0049801
730 LOCK ROAD, SUITE 84
DEERFIELD BEACH, FL 33442
PHONE: 954-698-9227 FAX: 954-698-5986

CONTRACTOR: COLTRAIN CONSTRUCTION
MARK COLTRAIN, CG C055828
1130 WASHINGTON AVE.
MIAMI BEACH, FL. 33139
PHONE: 305-534-7991



OFFICE COPY
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING:	1-29-98
ZONING:	1/21/98
PLUMBING:	
ELECTRICAL:	
MECHANICAL:	JR-1-29-98
FIRE PREVENTION:	1/21/98
ENGINEERING:	(N) 29 JAN 98
PUBLIC WORKS:	
STRUCTURAL:	
ACCESSIBILITY:	N/A 01/27/98
ELEVATOR:	

12 June 98

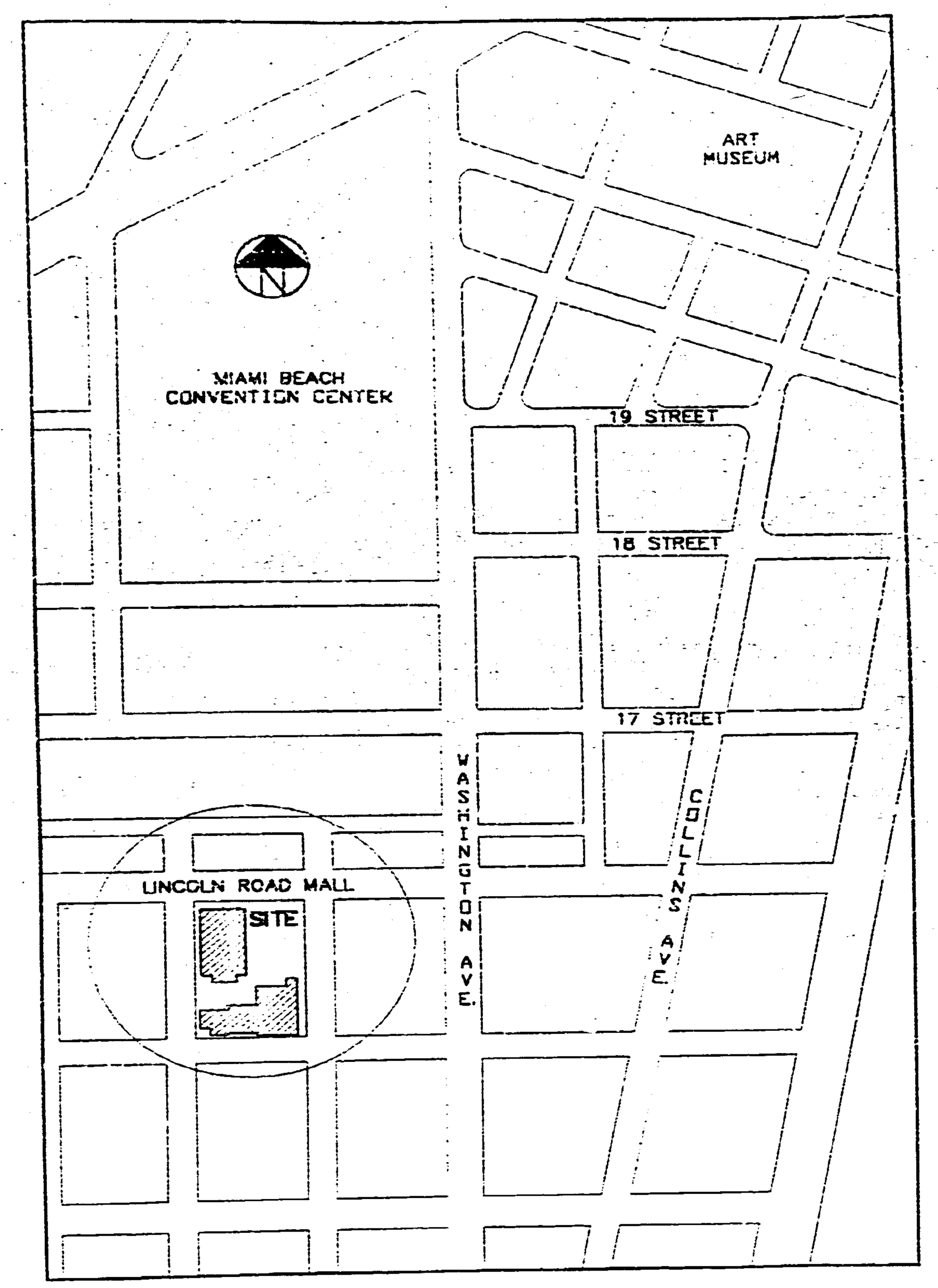
COVER SHEET

C-01

09 JAN 1998
SHEET 1 OF 12

2

VICINITY MAP 1" = 600'-0"



DRAWING INDEX

CODES:

A. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE DADE COUNTY EDITION OF THE SOUTH FLORIDA BUILDING CODE, 1994 EDITION, & THE FOLLOWING REFERENCED MODEL CODES:

(1) THE BOCA NATIONAL BUILDING CODE/ 1993 EDITION

(2) THE NATIONAL ELECTRIC CODE/ 1996 EDITION

(4) THE NFPA SECTIONS 13, 13R, 54, & 58/ LATEST EDITION.

B. WHERE DIFFERENCES OCCUR BETWEEN PROVISIONS OF THE SFBC AND THE REFERENCED MODEL CODES OR STANDARDS, THE PROVISIONS OF THE SFBC SHALL APPLY.

C. ALL CONSTRUCTION WORK SHALL BE PERFORMED AND COMPLETED SO AS TO SECURE THE RESULTS INTENDED BY THE SFBC.

NOTES TO BIDDERS:

THE DRAWINGS AND SPECIFICATIONS CONTAINED HEREIN ARE COMPLIMENTARY AND ARE INTENDED TO BE READ AS A SINGLE DOCUMENT. INFORMATION CONTAINED IN THE SPECIFICATIONS DOES NOT NECESSARILY APPEAR IN THE DRAWINGS AND VICE VERSA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND THE WORK OF ALL TRADES TO BE FAMILIAR WITH BOTH. NO EXTRA COMPENSATION SHALL BE ALLOWED FOR THE CONTRACTORS FAILURE TO THOROUGHLY FAMILIARIZE HIM/HERSELF W/ BOTH THE DRAWINGS AND SPECIFICATIONS.

A. BY AND THROUGH SUBMISSION OF A BID, CONTRACTOR ACKNOWLEDGES THAT HE HAS EXAMINED THE SITE AND LOCATION OF ALL PROPOSED WORK AND HAS SATISFIED HIMSELF AS TO THE NATURE OF EXISTING CONDITIONS, PROPOSED WORK, AND ANY OTHER ISSUES & CHARACTERISTICS IMPACTING PERFORMANCE OF THE WORK.

B. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS PERTAINING TO THE WORK AND THEREBY REQUIRED FOR SATISFACTORY COMPLETION THEREOF, INCLUDING THE REMOVAL, RELOCATION, AND REPLACEMENT, OF ANY OBJECTS OR OBSTRUCTIONS WHICH MAY BE ENCOUNTERED IN DOING THE PROPOSED WORK.

TO SCHEDULE A PRE-BID SITE VISIT CALL THE ARCHITECT AT 534-4020.

C. NO EXTRA COMPENSATION SHALL BE ALLOWED TO THE CONTRACTOR FOR ANY EXPENSE DUE TO HIS NEGLECT TO EXAMINE OR FAILURE TO DISCOVER CONDITIONS THAT AFFECT HIS WORK. NO EXTRA COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFERENCES BETWEEN ACTUAL DIMENSIONS, LOCATIONS, ETC. AND THOSE INDICATED ON THE DRAWINGS.

D. ALL WORK SHALL BE PERFORMED IN A FIRST CLASS WORKMANSHIP LIKE MANNER, COMPLYING WITH OR EXCEEDING CURRENT INDUSTRY STANDARDS FOR WORK OF THAT TRADE. WHERE DRAWINGS AND SPECIFICATIONS ARE IN CONFLICT WITH CURRENT INDUSTRY STANDARDS, THE MORE STRINGENT GUIDELINES SHALL APPLY.

E. DRAWINGS ARE FOR GUIDELINE PURPOSES ONLY AND FOR THE DESCRIPTION OF DESIGN INTENT. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL FITTINGS, PARTS, FINISHES, ACCESSORIES, LABOR AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION IN CONFORMANCE WITH THE DESIGN INTENT OF THE DRAWINGS.

F. WORK HOURS- THE CONTRACTOR SHALL HAVE ACCESS TO THE SITE FOR PERFORMANCE OF THE WORK BETWEEN THE HOURS OF 8:00 AM-8:00 PM MONDAY TO SATURDAY.

G. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY AND ALL POWER SHUT DOWNS 24 HOURS PRIOR TO SAID SHUT DOWNS.

H. THE CONTRACTOR SHALL BE ALLOWED A MAXIMUM OF 10 WEEKS TIME TO COMPLETE ALL WORK FROM THE AGREED UPON START DATE. ADDITIONAL DAYS SHALL BE FINED TO THE CONTRACTOR AT A RATE OF $100 PER DAY.

J. THE CONTRACTOR IS RESPONSIBLE FOR APPLICATION, PAYMENT AND MAINTENANCE OF ALL PERMITS RELATED TO, OR REQUIRED FOR, PERFORMANCE OF THE WORK.

GENERAL REQUIREMENTS:

A. THE CONTRACTOR SHALL SUBMIT A WRITTEN WARRANTY STATING THE NUMBER OF YEARS THAT HIS/HER WORK IS GUARANTEED AND UNDER WHAT CONDITIONS.

B. THE CONTRACTOR SHALL SUBMIT EVIDENCE, INCLUDING POLICY NUMBERS, FOR BOTH WORKER'S COMPENSATION INSURANCE AND COMPREHENSIVE LIABILITY INSURANCE

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL ELECTRICAL LOADS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULL LOAD TESTING OF EACH CIRCUIT AUGMENTED OR MODIFIED DURING THE COURSE OF THE WORK. LOAD TEST CIRCUITS BEFORE AND AFTER EACH INSTALLATION OF NEW EQUIPMENT AND SUBMIT TEST RESULTS TO ARCHITECT.

D. APPLICATIONS FOR PAYMENT SHALL BE MADE DIRECTLY TO THE ARCHITECT WHO, AS THE OWNER'S REPRESENTATIVE, SHALL HAVE SOLE AUTHORITY IN JUDGING WORK TO BE COMPLETED IN A SATISFACTORY MANNER AND IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.

E. IN NO CASE SHALL FINAL PAYMENT BE MADE PRIOR TO COMPLETION OF ALL WORK OF ALL TRADES OR WITHOUT THE PRESENTATION OF A RELEASE OF LIEN IN A FORM APPROVED BY THE LOCAL AUTHORITIES HOLDING JURISDICTION, SIGNED, DATED, AND NOTARIZED.

F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION. CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

G. EXISTING CONDITIONS AND CONSTRUCTION WHICH ARE TO REMAIN, ADJACENT CONSTRUCTION OF OTHER TRADES, ADJACENT SITES AND PUBLIC PROPERTIES SHALL NOT BE DAMAGED DURING EXECUTION OF THE WORK.

H. IF CONFLICTS OCCUR IN OR BETWEEN DOCUMENTS, BETWEEN DOCUMENTS AND FIELD CONDITIONS OR OTHERWISE, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ARCHITECT FOR CLARIFICATION AND DIRECTION BEFORE PROCEEDING.

J. ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER DRAWING SCALE AT ALL TIMES. NOTED SCALE IS FOR GUIDELINE PURPOSES ONLY. IF DIMENSIONS ARE UNCLEAR OR IN CONFLICT, DO NOT SCALE. REQUEST CLARIFICATION FROM THE ARCHITECT.

SUBSTITUTIONS:

A. SUBSTITUTIONS: CONTRACTORS ARE ENCOURAGED TO SUBMIT SUBSTITUTIONS IN CASES WHERE LIKE OR SIMILAR MATERIALS OR METHODS MAY PRESENT A COST SAVINGS TO THE OWNER. IN NO CASE, HOWEVER, SHALL ALTERNATES BE SUBMITTED OR APPROVED THAT SHALL HAVE A DETRIMENTAL EFFECT ON THE INTENDED QUALITY OR PERFORMANCE OF AN INSTALLATION AS CAN BE REASONABLY INFERRED FROM THE CONTRACT DOCUMENTS. IN ALL CASES THE FINDINGS OF THE ARCHITECT SHALL BE FINAL.

B. ALL SUBMISSIONS FOR REVIEW AS SUBSTITUTIONS SHALL BE SUBMITTED, IN TRIPLICATE, TO THE ARCHITECT FOR HIS REVIEW. SUBMISSIONS MUST INCLUDE AND CLEARLY LIST ITEMS FOR WHICH SUBSTITUTIONS ARE BEING SUBMITTED, THE REASON FOR EACH SUBSTITUTION, AND A STATEMENT BY THE CONTRACTOR AS TO WHY, IN HIS BELIEF, THE PRODUCTS OR METHODS SUBMITTED REPRESENT AN ACCEPTABLE 'AS EQUAL.'

C. ITEMS JUDGED TO BE ACCEPTABLE SUBSTITUTIONS SHALL BE RETURNED TO THE CONTRACTOR WITHIN A PERIOD OF SEVEN (7) DAYS BEARING THE STAMP OF THE ARCHITECT AND THE WORD 'APPROVED' WITH THE DATE OF APPROVAL & THE ARCHITECT'S SIGNATURE. ONLY THEN SHALL SUCH SUBSTITUTIONS BE INCORPORATED INTO THE WORK. ITEMS MARKED 'REJECTED' BY THE ARCHITECT SHALL NOT BE RESUBMITTED.

D. THE INSTALLATION OF ANY NON-APPROVED PRODUCTS OR ASSEMBLIES SHALL BE GROUNDS FOR REJECTION OF WORK AND SHALL BE AT THE CONTRACTOR'S OWN RISK. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE CONTRACTORS RERQUIRED REPLACEMENT OF NON-APPROVED PRODUCTS AND ASSEMBLIES.

02000: SITE WORK

A. GRADE ELEVATIONS SHOWN ON DRAWINGS, ALTHOUGH DEEMED ACCURATE, SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MINIMAL GRADING REQUIRED TO PROCURE THE RESULTS AS CAN BE REASONABLY INFERRED FROM THE DESIGN INTENT OF THE DRAWINGS.

C. SLOPE ALL RAMPS AND WALKWAYS TO DRAIN AS INDICATED.

03000: CONCRETE

A. STANDARDS: ACI 318, ACI 301, & ACI 347

B. ALL CONCRETE SHALL BE PROPORTIONED TO ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. SLUMP SHALL BE BETWEEN 3 AND 6 INCHES AND NO WATER SHALL BE ADDED TO THE CONCRETE AT THE SITE.

C. THE CONTRACTOR SHALL CONTRACT AN INDEPENDENT TESTING LABORATORY TO PERFORM THE CONCRETE CYLINDER TESTS AS REQUIRED BY SECTION 2505.2 OF THE SOUTH FLORIDA BUILDING CODE.

D. THE CONTRACTOR SHALL PROVIDE ALL FORMING AND TEMPORARY SHORING.

E. REINFORCEMENT: ASTM A615, GRADE 60. LAP SPLICE FOOTING BARS A MINIMUM OF 30 BAR DIANMETERS UNO. LAP SPLICE #5 BARS IN GROUTED CELLS A MINIMUM OF 30 INCHES.

F. CONCRETE COVER OVER REINFORCEMENT. 3" FOR FOOTINGS AND 2" OTHERWISE.

G. ALL CONCRETE SHALL BE CURED FOR A MINIMUM OF SEVEN (7) DAYS. THE CURING SHALL ENTAIL MAINTENANCE OF MOISTURE IN THE CONCRETE. THIS SHALL BE ACCOMPLISHED BY TREATING EXPOSED SURFACES WITH A CHEMICAL CURING COMPOUND IMMEDIATELY AFTER FINISHING AND IMMEDIATELY AFTER REMOVAL OF FORMS.

H. FOR[illegible] SHALL BE [illegible] MOIST BY [illegible] SPRAYING PRIOR [illegible] VERIFY COMPATIBILITY OF CURING COMPOUND [illegible] PROPOSED FINISH ADHESIVES.

J. ALL CONCRETE SLABS SHALL BE PLACED ON A MINIMUM OF 4" CLEAN COMPACTED GRANULAR FILL AND BE REINFORCED WITH A MINIMUM OF 6x6 #10 WIRE MESH. PROVIDE ADDITIONAL SLAB REINFORCING AS INDICATED ON DRAWINGS.

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CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING: 1-29-98

ZONING:

PLUMBING:

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MECHANICAL:

FIRE PREVENTION:

ENGINEERING:

PUBLIC WORKS:

STRUCTURAL:

ACCESSIBILITY:

ELEVATOR:

04000: MASONRY

A. HOLLOW CONCRETE MASONRY UNITS SHALL COMPLY WITH ASTM 'STANDARD SPECIFICATIONS ~~FOR HOLLOW LOAD BEARING CONCRETE~~ MASONRY UNITS.'

B. MORTAR SHALL COMPLY WITH ASTM C270, TYPE M OR S.

C. REINFORCEMENT BARS SHALL COMPLY WITH ASTM A615, GRADE 60

D. ALL CMU SHALL HAVE GALVANIZED STEEL HORIZONTAL JOINT REINFORCEMENT (LADDER TYPE) AT EVERY COURSE. SIDE RODS SHALL BE MINIMUM #9 GAGE.

E. GROUT SHALL BE 3000 PSI CONCRETE WITH PEA ROCK AGGREGATE.

F. REINFORCED MASONRY SHALL COMPLY WITH THE THE REQUIREMENTS OF SECTION 2705 OF THE SOUTH FLORIDA BUILDING CODE AND STANDARD 530.

G. REINFORCED CONCRETE PRISM STRENGTH SHALL BE Fm= 1350 PSI AND SHALL BE VERIFIED BY TESTS IN ACCORDANCE WITH SECTION 2705.4 OF THE SOUTH FLORIDA BUILDING CODE. SUBMIT TEST DATA TO THE ARCHITECT.

H. ALL TIE RODS TO BE EMBEDED IN EXISTING SLABS AND FOOTINGS SHALL BE FULLY EPOXY GROUTED

H. BRICK: ALL BRICKS FOR WALKWAYS SHALL BE RED 'PLAZA PAVERS' TO MATCH EXISTING. DIMENSIONS= 1-5/8"x4"x8" ACTUAL DIMENSIONS.

NEAL R. DEPUTY
ARCHITECT
820 LINCOLN ROAD, MIAMI BEACH, FL 33139
TEL: 305 . 534 . 4020 FAX: 305 . 534 . 4095

12 JAN. 98

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THRIFT SHOP RENOVATION

01 SEP 97 ISSUED FOR BUDGET PRICING
09 JAN 98 ISSUED FOR BID & PERMIT

MAP, INDEX, GEN. NOTES

C-02

09 JAN 1998
SHEET 02 OF 12

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08400: DOORS & WINDOWS

A. HOLLOW AND SOLID CORE WOOD DOORS SHALL BE MANUFACTURED IN STRICT ACCORDANCE WITH THE LATEST NATIONAL WOODWORK MANUFACTURER'S ASSOCIATION INDUSTRY STANDARDS. DOORS SHALL BE PAINT GRADE. HARDWARE SHALL BE AS SPECIFIED ON DOOR SCHEDULE OR APPROVED EQUAL.

B. HOLLOW METAL DOORS SHALL CONSIST OF TWO (2) FLUSH FACES OF 16 GAGE LEVEL ONE PIECE QUALITY ROLLED SHEET STEEL WITH ONE PIECE SOUND INSULATED CORE BONDED TO BOTH FACES. TOP AND BOTTOM CHANNELS SHALL BE 16 GAGE STEEL. HINGE REINFORCEMENT SHALL BE 10 GAGE STEEL, AND FRAME SHALL BE 16 GAGE STEEL WITH INTEGRAL STOPS WITH MITERED, WELDED, AND GROUND CORNER JOINTS. PROVIDE THREE WALL ANCHORS PER JAMB AND ADJUSTABLE FLOOR CLIP ANCHORS.

AT EXTERIOR LOCATIONS PROVIDE EACH DOOR WITH ADJUSTABLE ALUMINUM THRESHOLD SET IN MASTIC. PROVIDE BRASS WEATHER STRIPPING AND TUBULAR VINYL GASKETING TO FORM A TIGHT WEATHER SEAL.

METAL FRAMES SHALL BE 16 GAGE COLD-ROLLED STEEL CONFORMING TO ASTM A366.

STOREFRONT DOORS SHALL BE AS MANUFACTURED BY THE KAWNEER COMPANY SERIES 190 STD. OR APPROVED EQUAL. COLOR= CLEAR ANODIZED.

GLASS IN VISION PANELS SHALL BE 1/4" TEMPERED GLASS.

REFER TO DOOR SCHEDULE SHEET A-08 FOR HARDWARE SPECIFICATIONS. ALL LOCKS SHALL BE KEYED ALIKE.

09250: GYPSUM DRYWALL

A. MANUFACTURERS OF GYPSUM BOARD AND RELATED PRODUCTS SHALL BE UNITED STATES GYPSUM CO. OR APPROVED EQUAL.

B. MANUFACTURERS OF STEEL FRAMING AND FURRING SHALL BE BOSTWICK STEEL FRAMING CO. OR APPROVED EQUAL.

C. SIZE CEILING SUPPORT COMPONENTS TO COMPLY WITH ASTM C754 AND USG GUIDELINES. MAIN RUNNERS SHALL BE 1-1/2" COLD ROLLED .475# STEEL CHANNELS WITH RUST INHIBITIVE PAINT FINISH. HANGERS SHALL BE MILD STEEL FLAT BARS OR RODS, ZINC COATED OR PAINTED. SIZE ALL HANGERS AND ANCHORAGE DEVICES TO SUPPORT 3X LOAD AS DETERMINED BY ASTM E488.

D. METAL STUDS AND FURRING MEMBERS SHALL BE ASTM C645, .0179" MIN. THICKNESS OF BASE METAL UNLESS OTHERWISE REQUIRED.

E. PROVIDE GYPSUM WALLBOARD ASTM 36 IN MAXIMUM LENGTHS WITH TAPERED EDGES. PROVIDE TYPE X FOR ALL FIRE RESISTANT RATED ASSEMBLIES.

F. PROVIDE ALL CORNER BEADS, L-BEADS, U-BEADS AND TRIM BEADS AS REQUIRED FOR A COMPLETE INSTALLATION.

J. INSTALLATION STANDARD FOR ALL GYPSUM DRYWALL WORK SHALL COMPLY WITH ASTM C754 AND ASTM C840.

K. GYPSUM BOARD APPLICATION AND FINISH STANDARDS SHALL COMPLY WITH ASTM C840 AND GA216.

L. PROVIDE IN-WALL BLOCKING FOR ALL SHELVES, CABINETS, AND ACCESSORIES AS REQUIRED TO PROVIDE A TIGHT AND FULLY RIGID INSTALLATION.

09500: ACOUSTICAL TREATMENT

A. MANUFACTURERS OF 2x2 LAY IN TILE AND SUSPENSION GRID SHALL BE ARMSTRONG OR APPROVED EQUAL.

B. PROVIDE SILHOUETTE SERIES SUSPENSION SYSTEM. COLOR: WHITE. PROVIDE ALL NECESSARY HANGERS, WIRE TIES, FASTENERS, EDGE BEADS, AND ACCESSORIES FOR A COMPLETE CLASS A RATED, UL APPROVED INSTALLATION.

C. PROVIDE BEVELED TEGULAR ULTIMA RH90 ITEM #1782 2x2 LAY IN TILES IN ALL LOCATIONS AS SHOWN ON DRAWINGS. COLOR: WHITE. PROVIDE ALL NECESSARY CUTOUTS FOR LIGHTING AND EQUIPMENT AS REQUIRED. ALL CEILING FIXTURES AND EQUIPMENT SHALL BE LOCATED DEAD CENTER OF CEILING TILES AS INDICATED ON DRAWINGS.

09000: CARPETING

A. ALL CARPETING SHALL BE JJ COMMERCIAL "SCENARIO" DIRECT GLUE-DOWN. COLOR= #311 PANTOMINE.

B. ADHERE CARPETING DIRECTLY ONTO EXISTING VINYL TILE FLOORS AND WOOD UNDERLAYMENTS WITH MANUFACTURER'S RECOMMENDED ADHESIVE.

C. CARPET INSTALLERS SHALL BE CERTIFIED BY THE THE F.C.I.B. (FLOOR COVERING INSTRALLATION BOARD).

D. PROVIDE WRITTEN 10 YEAR WARRANTY FOR ABRASIVE WEAR AS SPECIFIED BY MANUFACTURER.

09650: RESILIENT FLOORING

A. WALL BASE: ALL WALL BASE SHOWN ON FINISH SCHEDULE SHALL BE 1/8" THICK EXTRUDED RUBBER COVE BASE AS MANUFACTURED BY ROPPE CORPORATION, FOSTORIA, OHIO. THE BASE SHALL BE CONSTRUCTED OF FIRST QUALITY MATERIALS, PROPERLY VULCANIZED, AND SHALL CONFORM FULLY TO THE REQUIREMENTS OF US FEDERAL SPECIFICATION SS-W-40A, TYPE 1 RUBBER.

B. PROVIDE ALL NECESSAREY TOOLS AND ADHESIVES FOR A COMPLETE INSTALLATION. USE ONLY GENUINE ROPPE PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

C. ROPPE RUBBER BASE COLOR= #87 BLUE IN ALL LOCATIONS DESIGNATED TO RECEIVE RUBBER BASE.

D. ALL RUBBER WALL BASE SHALL BE ROLLED GOODS- NOT 4' SECTIONS.

09900: PAINTING

A. APPLY ALL PIGMENTED FINISHES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREPARATION, TEMPERATURE, AND APPLICATION TECHNIQUE.

B. APPLICATION OF FINISH COATINGS TO IMPROPERLY PREPARED SURFACES WILL BE GROUNDS FOR REJECTION OF WORK.

C. PROTECT RECENTLY APPLIED FINISHES FROM DUST, DIRT, AND OTHER DANGERS FOR FULL LENGTH OF RECOMMENDED CURING TIME.

D. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS AS MANUFACTURED BY SHERWIN WILLIAMS, BENJAMIN MOORE, OR APPROVED EQUAL.

E. PROVIDE PRIMERS AND UNDERCOATERS AS RECOMMENDED BY THE FINISH COATING MANUFACTURER FOR SUITABILITY WITH THE SUBSTRATE AND COMPATIBILITY WITH THE FINISH COATS.

G. REFER TO ROOM FINISH SCHEDULE SHEET A-08 FOR COLORS.

H. CLOUDINESS, HOLIDAYS, SPOTTING, LAPS, BRUSH MARKS, RUNS, SAGS, ROPINESS OR OTHER SURFACE IMPERFECTIONS SHALL BE GROUNDS FOR REJECTION OF THE WORK.

J. PROVIDE MINIMUM 2 FINISH COATS OVER PRIMER ON ALL GYPSUM DRYWALL. PROVIDE ADDITIONAL COATS AS REQUIRED IF UNDERCOATS SHOW THROUGH FINAL COAT OF PAINT UNTIL PAINT FILM IS OF UNIFORM FINISH, COLOR AND APPEARANCE, INCLUDING EDGES, CORNERS, CREVICES, ETC.

11106: DISPLAY EQUIPMENT

A. ALL STORE FIXTURES SHALL BE PROVIDED BY THE OWNER AND SHALL BE INSTALLED BY O.F.C. PERSONNEL UNDER THIS CONTRACT.

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CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING: 12/29-98
ZONING: AV
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION: NF (2)
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

16000: ELECTRICAL

THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. BY AND THROUGH SUBMISSION OF A BID THE ELECTRICAL CONTRACTOR ACKNOWLEDGES THAT HE HAS VISITED THE SITE AND FULLY FAMILIARIZED HIM/HERSELF WITH ALL EXISTING CONDITIONS BEARING ON PERFORMANCE OF THE WORK.

A. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION.

B. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE AND ALL LOCAL RULES AND ORDINANCES HAVING JURISDICTION.

C. MINIMUM WIRE SIZES SHALL BE #12 AWG UNLESS OTHERWISE NOTED. ALL CONDUCTORS SHALL BE COPPER WITH THWN OR THHN INSULATION UNLESS OTHERWISE NOTED.

D. ALL MATERIAL SHALL BE NEW AND U.L. APPROVED WHERE APPLICABLE.

E. THE ELECTRICAL SYSTEM SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED IN ARTICLE 250 OF THE NATIONAL ELECTRIC CODE.

F. THE ELECTRICAL, TERLEPHOINE, AND CABLE TELEVISION INSTALLATIONS SHALL MEET ALL REQUIREMENTS OF THE LOCAL UTILITY COMPANIES.

G. ALL DISCONNECT SWITCHES SHALL BE RATED FOR 100,000 A.I.C. UNLESS OTHERWISE NOTED. ALL FUSES SHALL BE RATED FOR 200,000 A.I.C. AND SHALL BE CURRENT LIMITING.

H. ALL ELECTRICAL SWITCH GEAR SHALL BE SQUARE D, ITE, OR CHALLENGER.

J. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS. PLASTIC BOXES MAY BE SUBSTITUTED FOR STEEL WHERE PERMITTED BY LOCAL CODES. IN DAMP OR WET LOCATIONS BOXES SHALL BE MADE FROM CAST ALLOY WITH THREADED HUBS.

K. SEPERATE WIRE AND CONDUIT SYSTEM MAY BE SUBSTITUTED WITH FACTORY FABRICATED ASSEMBLY OF INSULATED CONDUCTORS IN A FLEXIBLE METALLIC ENCLOSURE WHERE PERMITTED BY LOCAL CODES.

L. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVERLOAD RELAYS IN EACH HOT LEG. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL STARTERS WHERE REQUIRED.

M. FURNISH AND INSTALL DISCONNECT SWITCHES, OVER CURRENT PROTECTION, AND WIRING FOR THE AIR CONDITIONING SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS. CONTROLS ARE TO BE PROVIDED BY THE A/C CONTRACTOR AND CONNECTED BY THE ELECTRICAL CONTRACTOR.

N. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANSHIPLIKE MANNER. THE COMPLETE SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY THE ARCHITECT AND ENGINEER.

P. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.

Q. THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING ALL OUTLET COVERS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL OUTLET COVERS IN COLORS AND LOCATIONS AS DIRECTED BY ARCHITECT.

NEAL R. DEPUTY
ARCHITECT

1820 DREXEL AVE. MIAMI BEACH, FLORIDA 33139
TEL: 305-538-4511 FAX: 305-534-4095

12 Jan. 98

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THRIFT SHOP RENOVATION

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NOTES & SPECIFICATIONS

C-03

09 JAN 1998
SHEET 03 OF 12

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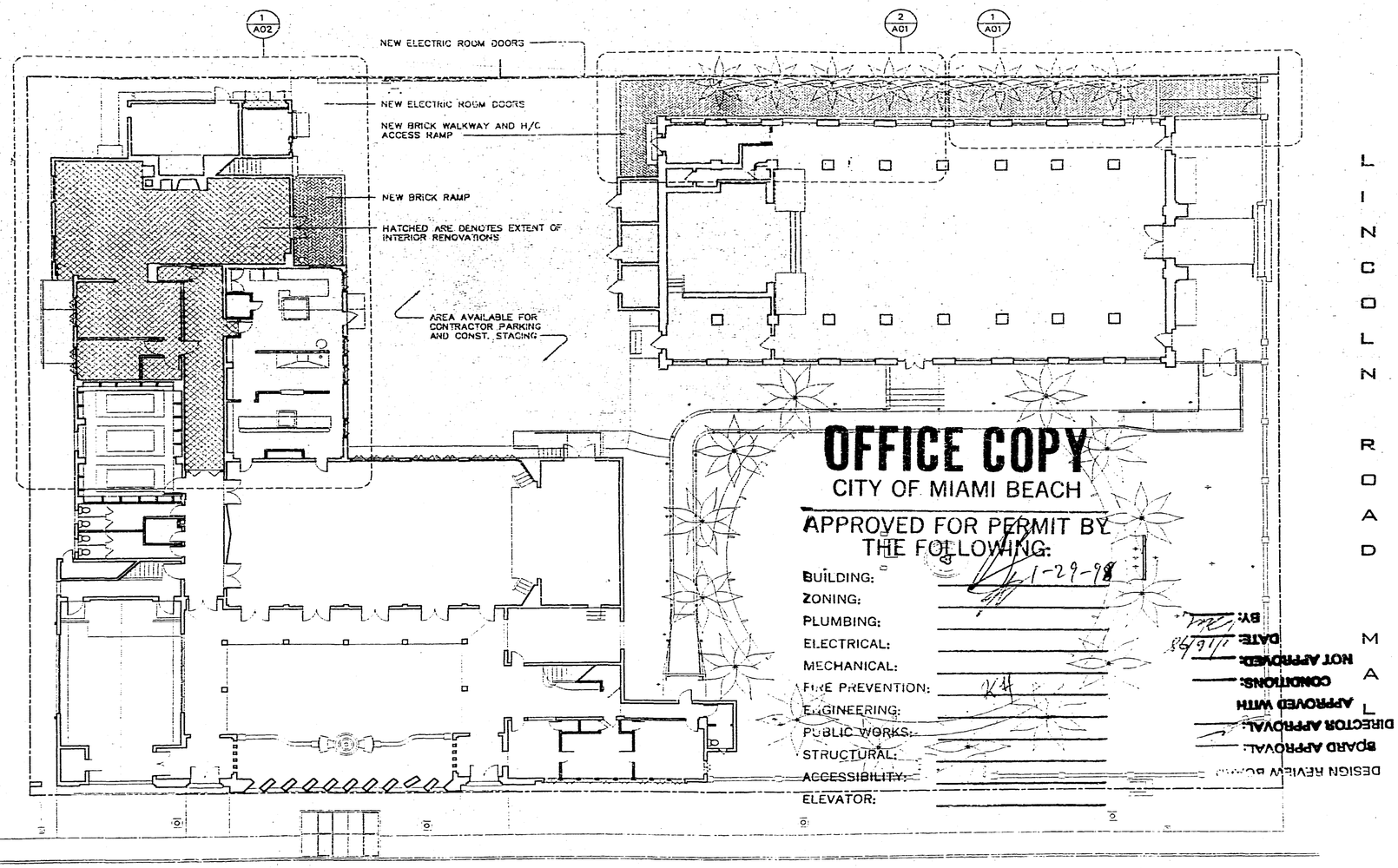

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ACCESSIBILITY:
ELEVATOR:

BY:
DATE: 8/9/11
NOT APPROVED:
CONDITIONS:
APPROVED WITH
DIRECTOR APPROVAL:
BOARD APPROVAL:
DESIGN REVIEW BOARD

1 SITE AND KEY PLAN
1" = 20'-0"

D R E X E L A V E N U E

L I N C O L N R O A D M A L L

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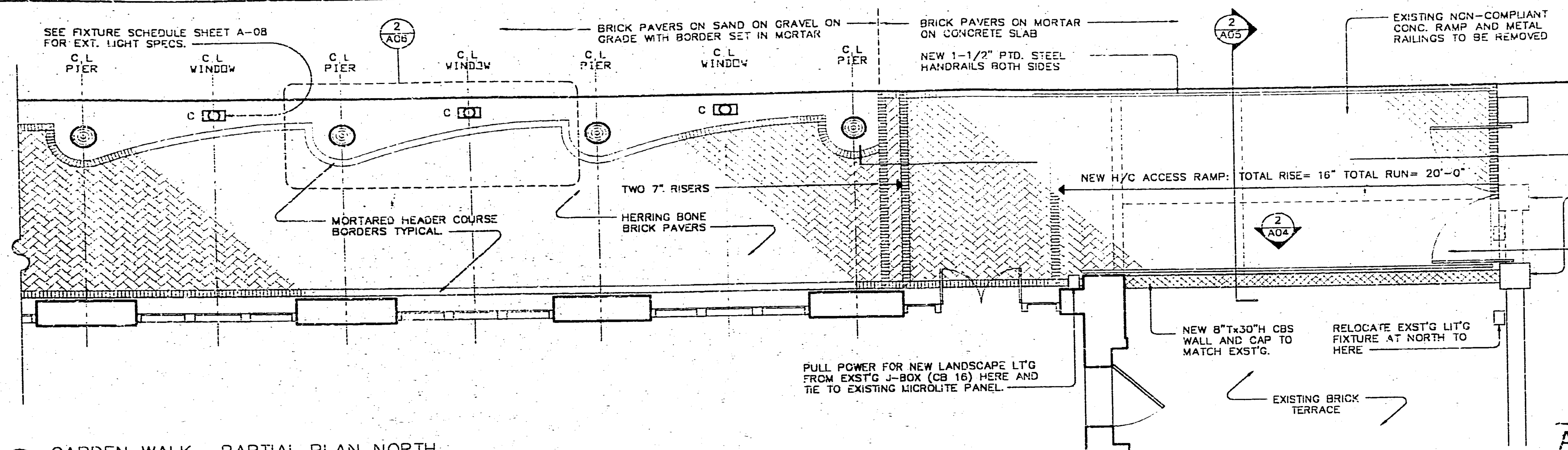
SITE & KEY PLAN

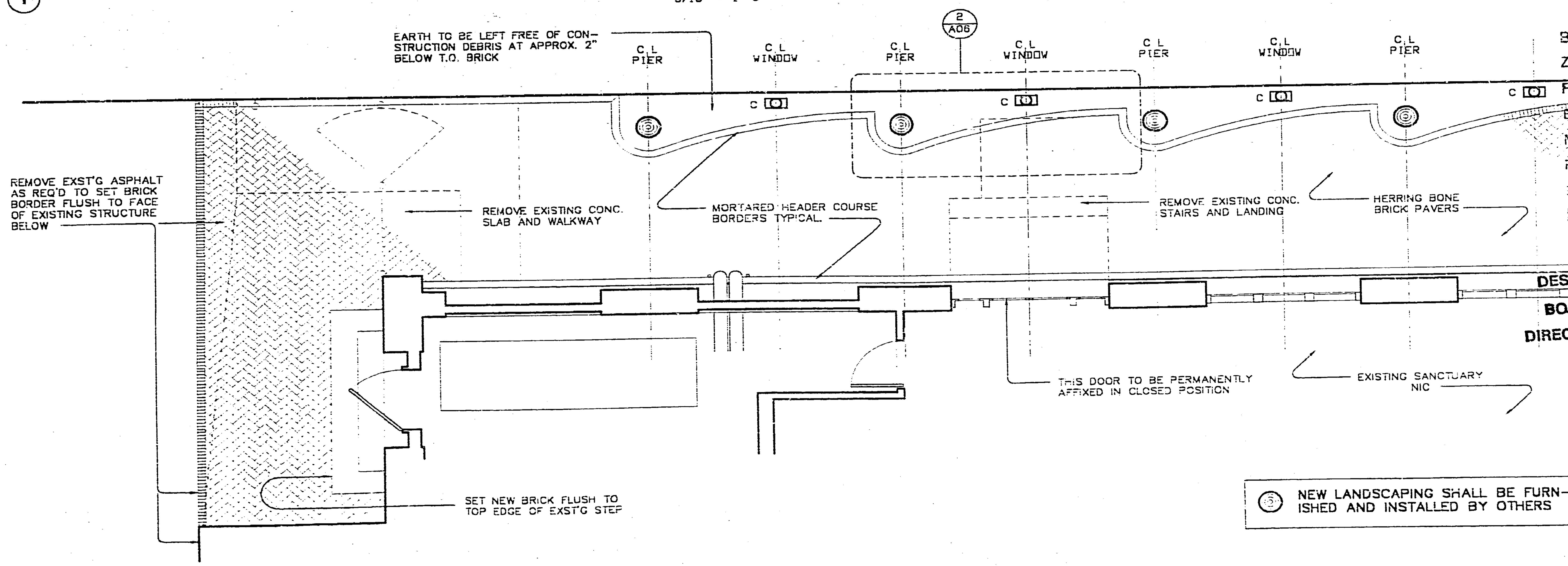
K-01

09 JAN 1998
SHEET 34 OF 12

2



1 GARDEN WALK- PARTIAL PLAN NORTH 3/16" = 1'-0"



NEW LANDSCAPING SHALL BE FURNISHED AND INSTALLED BY OTHERS

2 GARDEN WALK- PARTIAL PLAN SOUTH 3/16" = 1'-0"

NEAL R. DEPUTY
ARCHITECT

MIAMI BEACH COMMUNITY CHURCH

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ELEVATOR:

DESIGN REVIEW BOARD
BOARD APPROVAL:
DIRECTOR APPROVAL:
APPROVED WITH CONDITIONS:
NOT APPROVED:
DATE: 1/26/98
BY:

THRIFT SHOP RENOVATION

01 SEP 1997 ISSUED FOR BUDGET PRICING
09 JAN 1998 ISSUED FOR BID & PERMIT

GARDEN WALK PLAN

A-01

2

GENERAL DEMOLITION NOTES

▨ DENOTES EXISTING CONSTRUCTION TO BE REMOVED.

▩ DENOTES NEW METAL STUD AND GWB CONSTRUCTION.

01. REMOVE ALL EXISTING CEILING TILE, SUSPENSION GRIDS, & LIGHT FIXTURES (U.N.O) AND DISPOSE OF.

02. REMOVE ALL EXST'G WALLBOX A/C UNITS & STOCKPILE IN ADJACENT STORAGE ROOM. THREE (3) TOTAL.

03. ALL DOORS SO DESIGNATED TO BE REMOVED SHALL BE DISPOSED OF INCLUDING FRAMES, HARDWARE, AND ACCESSORIES.

04. REMOVE ALL EXISTING DUPLEX OUTLETS, SWITCHES, AND COVER PLATES FOR REPLACEMENT.

GENERAL CONSTRUCTION NOTES

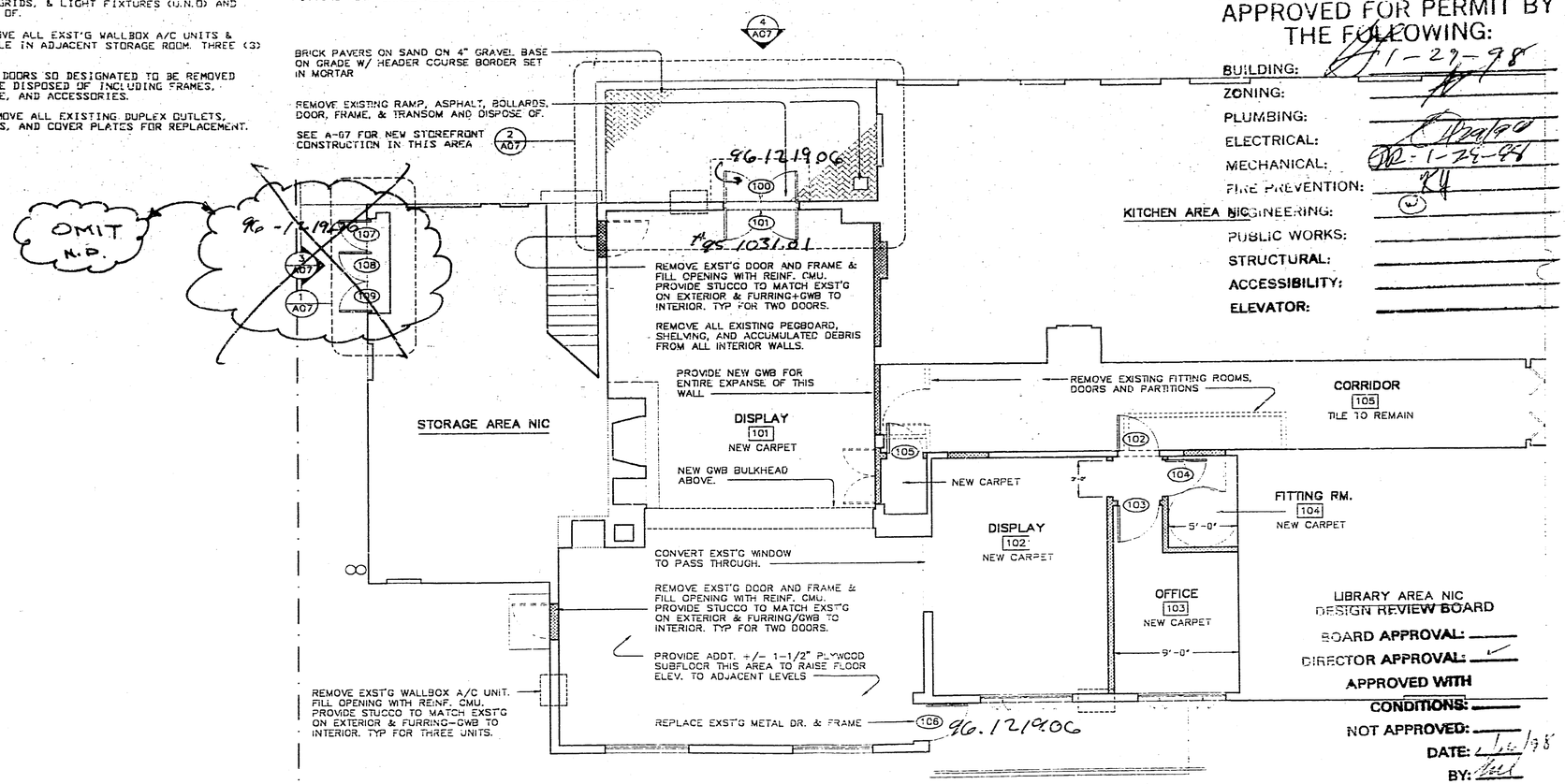
01. ALL THRIFT SHOP DISPLAY AREAS, OFFICE, CLOSET, AND FITTING ROOM FLOORS SHALL BE CARPETED.

02. ALL THRIFT SHOP DISPLAY AREAS, OFFICE, CLOSET AND FITTING ROOM WALLS SHALL BE PAINTED.

03. ALL THRIFT SHOP DISPLAY AREAS, OFFICE, CLOSET AND FITTING ROOM SHALL RECEIVE RUBBER COVE BASE.

04. ALL STORE FIXTURING SHALL BE PROVIDED AND INSTALLED OWNER.

05. REPLACE ALL SWITCHES AND DUPLEX OUTLETS. PROVIDE WHITE COVER PLATES.



1 THRIFT SHOP FLOOR PLAN
1/8" = 1'-0"

OFFICE COPY
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING: 1-29-98
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL: 1-29-98
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

LIBRARY AREA NIC
DESIGN REVIEW BOARD
BOARD APPROVAL: ____
DIRECTOR APPROVAL: ✓
APPROVED WITH CONDITIONS: ____
NOT APPROVED: ____
DATE: 1/29/98
BY:

NEAL R. DEPUTY
ARCHITECT

1680 DREXEL AVE. MIAMI BEACH, FLORIDA 33139
TEL 305 538-4511 FAX 305 534-4095

12 JAN. 98

MIAMI BEACH COMMUNITY CHURCH
The Rev. Dr. Garth R. Thompson
Pastor
1620 DREXEL AVE. MIAMI BEACH, FL. 33139
TEL: 305-538-4511 FAX: 305-534-4095

THRIFT SHOP RENOVATION

01 SEP 1997	ISSUED FOR BUDGET PRICING
09 JAN 1998	ISSUED FOR BID & PERMIT

THRIFT SHOP FLOOR PLAN

A-02

29 JAN 1998
SHEET 08 OF 12

2

ELECTRICAL SYMBOLS LEGEND

A	2x2 LAY-IN FLOURESCENT		EXISTING DUPLEX OUTLET	(SD)	SMOKE DETECTOR
B	RECESSED CLG. INCAND.		NEW DUPLEX OUTLET	J	EXIST'G J-BOX
C	WALL MTD. INCAND.		EXISTING SWITCH	X	EXIT LIGHT
E	EMERGENCY LIGHT		NEW OR RELOCATED SWITCH		
			EXISTING PHONE LINE		NEW PHONE LINE

GENERAL ELECTRICAL NOTES

01. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL ELECTRICAL LOADS.

02. ALL EXISTING ELECTRICAL SWITCHES AND DUPLEX OUTLETS SHALL BE REPLACED.

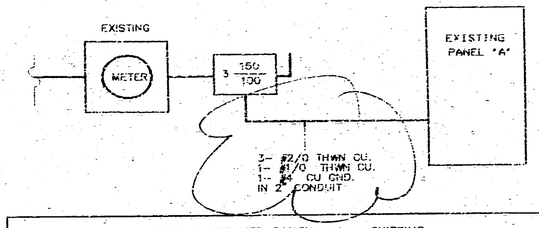
03. PROVIDE NEW COVER PLATES ON ALL SWITCHES AND RECEPTACLES. COLOUR WHITE.

04. SURFACE MOUNTED CONDUIT IS APPROVED FOR USE IN ALL AREAS HIDDEN FROM PUBLIC VIEW.

05. NOTIFY ARCHITECT OF ALL POWER SHUT DOWNS A MINIMUM OF 24 HOURS IN ADVANCE.

06. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND FULLY FAMILIARIZE HIMSELF WITH ALL CONDITIONS RELATED TO HIS WORK AND INCLUDE IN HIS BID ALL COSTS ASSOCIATED FOR THE COMPLETE INSTALLATION OF A FULLY OPERATIVE AND CODE COMPLIANT SYSTEM WITH RESPECT TO THE DESIGN INTENT OF THE DRAWINGS.

07. REMOVE EXIST'G PHONE JACKS & WIRING



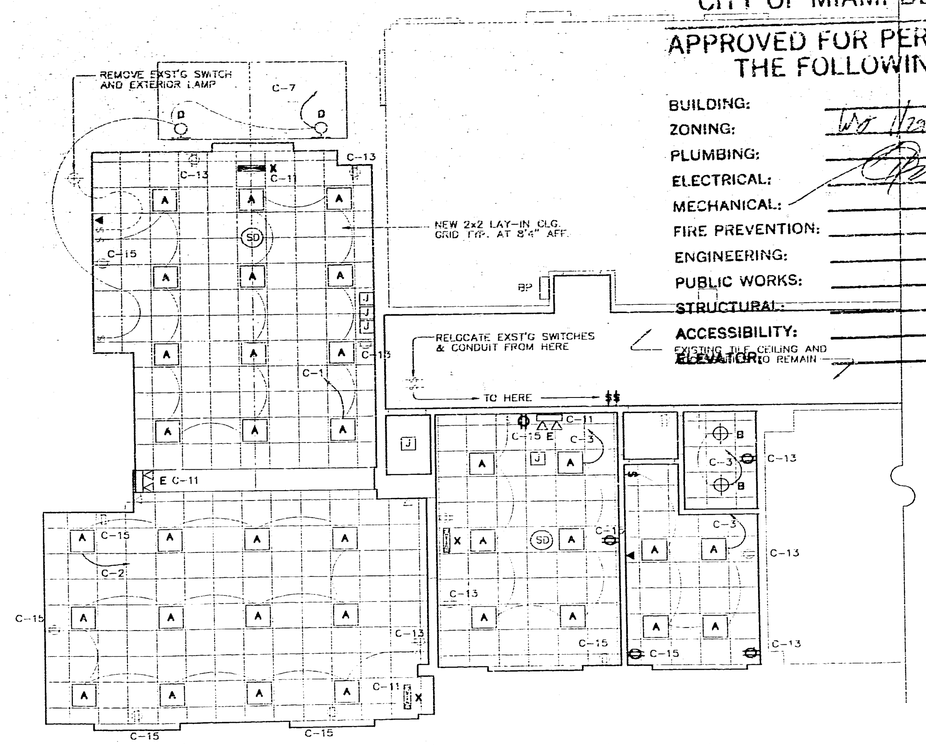
CIRCUIT BREAKER PANEL - A - EXISTING

SERVICE: 120/208V, 3PH, 4W — BUSS: 150A W/100A MCB

A.I.C. RATING: 10000 — SPACES: 30 — MTG: FLUSH

CKT	CB	WIRE	COND	GND	LOAD DESCRIPTION	PH:A	PH:B	PH:C
1	20/1	#12	1/2	#12	LIGHTING	960		
3	20/1	#12	1/2	#12	LIGHTING		960	
5	20/1	#12	1/2	#12	LIGHTING			720
7	20/1	#12	1/2	#12	EXTERIOR LIGHTING	300		
9	20/1	#12	1/2	#12	LIGHTING		1680	
11	20/1	#12	1/2	#12	EXIT LIGHTS			480
13	20/1	#12	1/2	#12	RECEPTACLES	840		
15	20/1	#12	1/2	#12	RECEPTACLES		880	
17	20/1	#12	1/2	#12	RECEPTACLES			1080
19	20/1	#12	1/2	#12	SPARE			
21	30/1	#10	3/4	#10	30 GAL WATER HEATER	3000		
23	20/1	#12	1/2	#12	SPACE			
25	20/1	#12	1/2	#12	SPACE			
27	20/1	#12	1/2	#12	SPACE			
29	30/1	#10	3/4	#10	SPACE			
2	20/1	#12	1/2	#12	SPARE			
4	20/1	#12	1/2	#12	RECEPTACLES		1080	
6	20/1	#12	1/2	#12	RECEPTACLES			1500
8	20/1	#12	1/2	#12	SMALL APPLIANCES	1500		
10	20/1	#12	1/2	#12	COMM. FRIDGE		1200	
12	20/1	#12	1/2	#12	RECEPTACLES			900
14	20/1	#12	1/2	#12	RECEPTACLES	1080		
16	30/1	#10	3/4	#12	DISHWASHER		1200	
18								
20	30/1	#10	3/4	#12	CLOTHES DRYER			3333
22								
24	20/1	#12	1/2	#12	SMALL APPLIANCES	1500		
26	20/1	#12	1/2	#12	RECEPTACLES		1080	
28	20/1	#12	1/2	#12	SPACE			
30	20/1	#12	1/2	#12	SPACE			
					LOAD	9180	8080	8013
					AMPS	77	68	67

1 ELECTRICAL PANEL AND RISER — NO SCALE



2 THRIFT SHOP CEILING PLAN — 1/8" = 1'-0"

NEAL R. DEPUTY ARCHITECT

APPROVED FOR PERMIT BY THE FOLLOWING:

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

MIAMI BEACH COMMUNITY CHURCH
The Rev. Dr. Garth R. Thompson
Pastor
1620 DREXEL AVE. MIAMI BEACH, FL. 33139
TEL: 305-534-4511 FAX: 305-534-4095

THRIFT SHOP RENOVATION

01 SEP 1997	ISSUED FOR BUDGET PRICING
09 JAN 1998	ISSUED FOR BID & PERMIT
21 JAN 1998	REVS. PER CITY REQUEST
27 JAN 1998	REVS. PER CITY REQUEST

THRIFT SHOP CLG. PLAN

A-03

27 JAN 1998
SHEET 07 OF 12

2

ELECTRICAL SYMBOLS LEGEND

	A	2x2 LAY-IN FLOURESCENT
B	⊕	RECESSED CLG. INCAND.
D	⊢○	WALL MTD. INCAND
E	▽▽	EMERGENCY LIGHT
X	▮	EXIT LIGHT
	SD	SMOKE DETECTOR
	⊖	EXISTING DUPLEX OUTLET
	⊜	NEW DUPLEX OUTLET
	$	EXISTING SWITCH
	$	NEW OR RELOCATED SWITCH
	▽	EXISTING PHONE LINE
	▼	NEW PHONE LINE
	J	EXSTG J-BOX

GENERAL ELECTRICAL NOTES

01. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL ELECTRICAL LOADS.

02. ALL EXISTING ELECTRICAL SWITCHES AND DUPLEX OUTLETS SHALL BE REPLACED.

03. PROVIDE NEW COVER PLATES ON ALL SWITCHES AND RECEPTACLES. COLOR= WHITE.

04. SURFACE MOUNTED CONDUIT IS APPROVED FOR USE IN ALL AREAS HIDDEN FROM PUBLIC VIEW.

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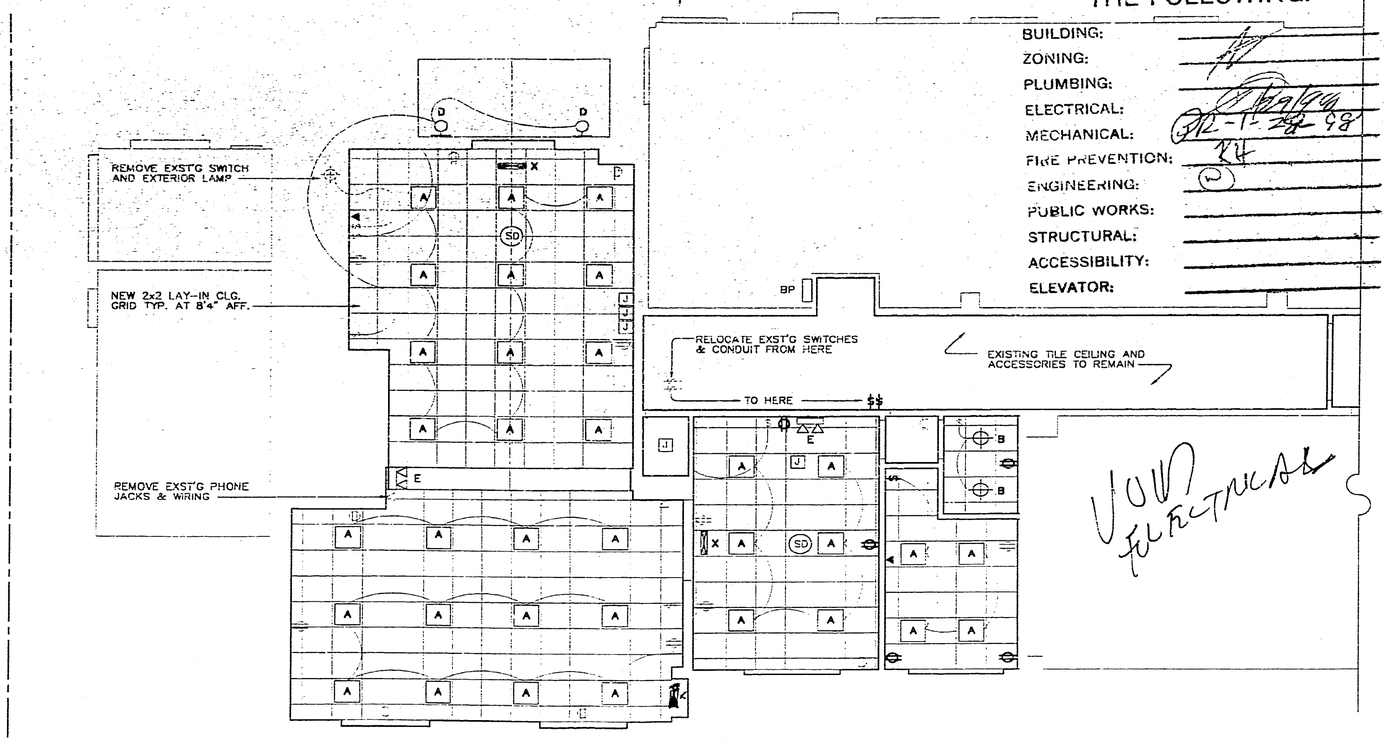
06. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND FULLY FAMILIARIZE HIMSELF WITH ALL CONDITIONS RELATED TO HIS WORK AND INCLUDE IN HIS BID ALL COSTS ASSOCIATED FOR THE COMPLETE INSTALLATION OF A FULLY OPERATIVE AND CODE COMPLIANT SYSTEM WITH RESPECT TO THE DESIGN INTENT OF THE DRAWINGS.



1 THRIFT SHOP CEILING PLAN

1/8" = 1'-0"

OFFICE COPY
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING:
ZONING:
PLUMBING:
ELECTRICAL: 12-11-98
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

NEAL R. DEPUTY
ARCHITECT

1620 DREXEL AVE. MIAMI BEACH, FLORIDA 33139
TEL 305-538-4511 FAX 305-534-4095

12 JAN. 98

MIAMI BEACH COMMUNITY CHURCH

The Rev. Dr. Garth R. Thompson
Pastor

1620 DREXEL AVE. MIAMI BEACH, FL. 33139
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THRIFT SHOP RENOVATION

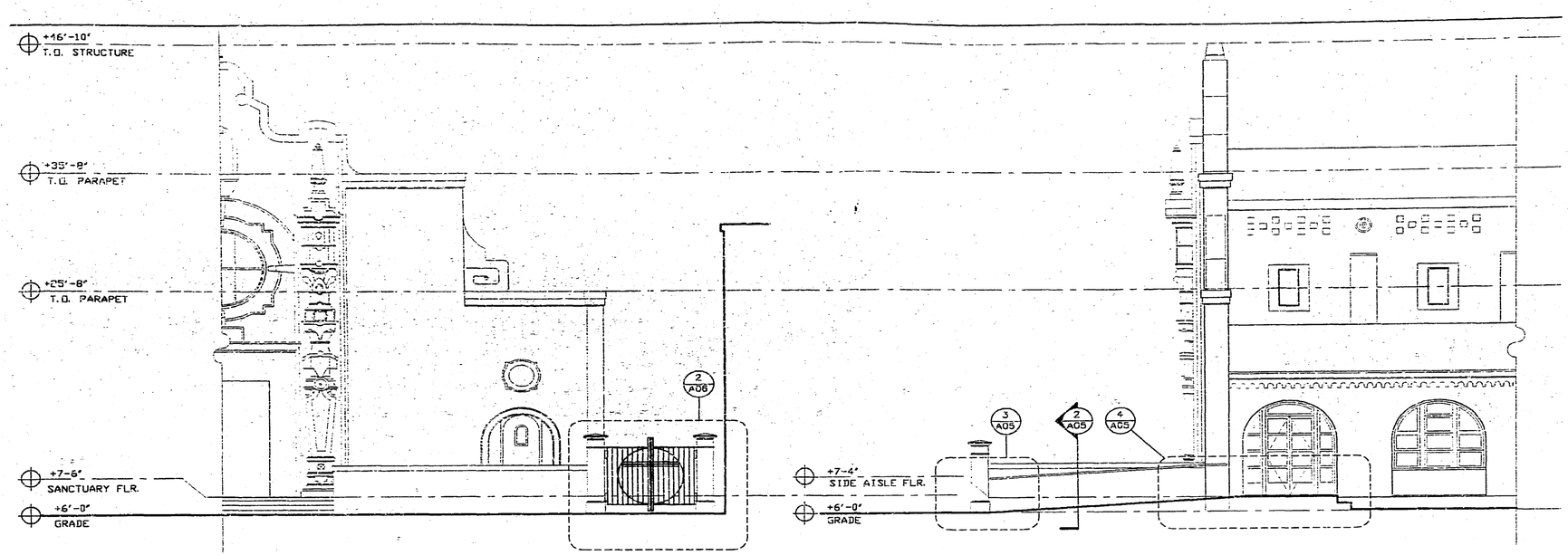
01 SEP 1997 ISSUED FOR BUDGET PRICING
09 JAN 1998 ISSUED FOR BID & PERMIT

THRIFT SHOP CLG. PLAN

A-03

09 JAN 1998
SHEET 07 OF 12

2



1 PARTIAL NORTH ELEVATION

1/8" = 1'-0"

2 PARTIAL WEST ELEVATION

1/8" = 1'-0"

OFFICE COPY

CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING: 1-29-98

ZONING:

PLUMBING:

ELECTRICAL:

MECHANICAL: 1-22-98

FIRE PREVENTION:

ENGINEERING:

PUBLIC WORKS:

STRUCTURAL:

ACCESSIBILITY:

ELEVATOR:

DESIGN REVIEW BOARD

BOARD APPROVAL: ____

DIRECTOR APPROVAL: ✓

APPROVED WITH CONDITIONS: ____

NOT APPROVED: ____

DATE: 1/28/98

BY:

NEAL R. DEPUTY
ARCHITECT

1620 DREXEL AVE. MIAMI BEACH, FLORIDA 33139
TEL: 305-538-4511 FAX: 305-534-4095

12 Jan. '98

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Pastor

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THRIFT SHOP RENOVATION

01 SEP 1997	ISSUED FOR BUDGET PRICING
09 JAN 1998	ISSUED FOR BID & PERMIT

EXTERIOR ELEVATIONS

A-04

09 JAN 1998

SHEET 06 OF 12

2

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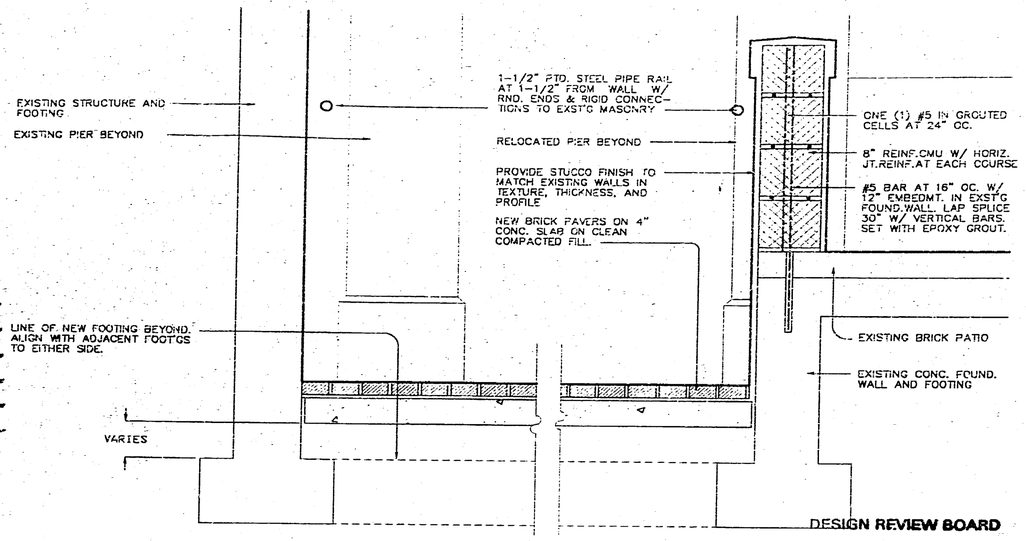
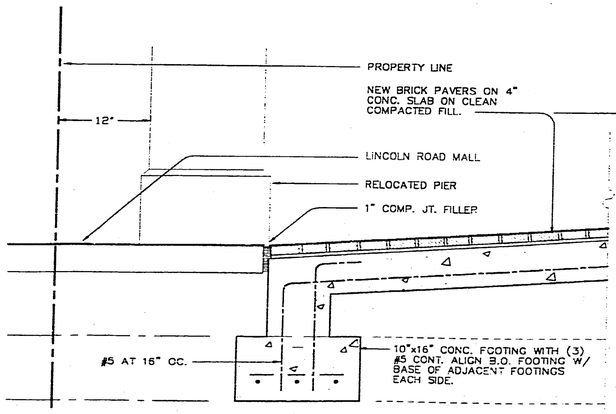
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

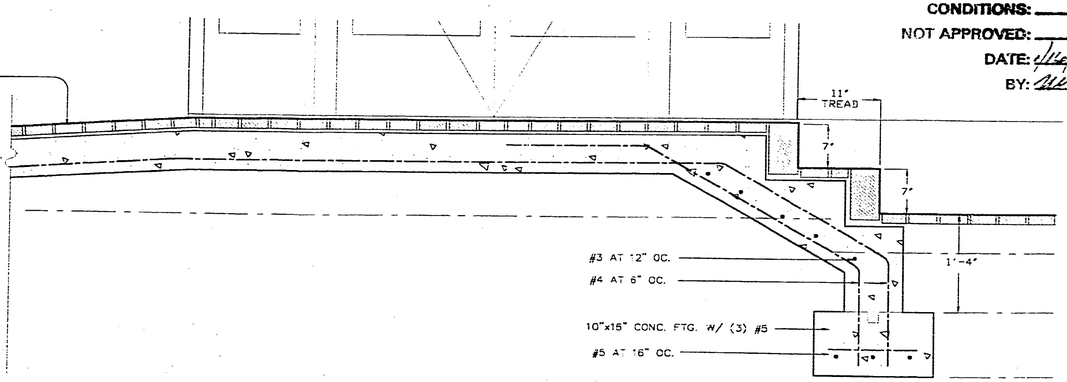
BUILDING: 1-29-98
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL: 1-29-98
FIRE PREVENTION: RH
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:



2 RAMP SECTION LOOKING NORTH
3/4" = 1'-0"



3 RAMP SECTION LOOKING EAST
3/4" = 1'-0"



4 RAMP SECTION LOOKING EAST
3/4" = 1'-0"

DESIGN REVIEW BOARD
BOARD APPROVAL: ____
DIRECTOR APPROVAL: ✓
APPROVED WITH CONDITIONS: ____
NOT APPROVED: ____
DATE: 1/16/98
BY: [illegible]

NEAL R. DEPUTY
ARCHITECT

820 DREXEL AVE. MIAMI BEACH, FLORIDA 33139
TEL: 305-534-4020 FAX: 305-534-4095

12 JAN. 98

MIAMI BEACH COMMUNITY CHURCH

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THRIFT SHOP RENOVATION

01 SEP 1997	ISSUED FOR BUDGET PRICING
09 JAN 1998	ISSUED FOR BD & PERMIT

RAMP SECTIONS & DETS.

A-05

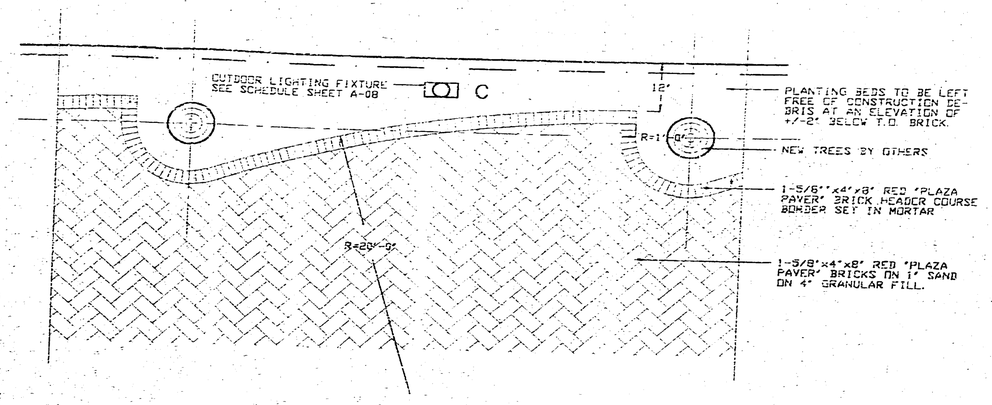
09 JAN 1998
SHEET 09 OF 12

2

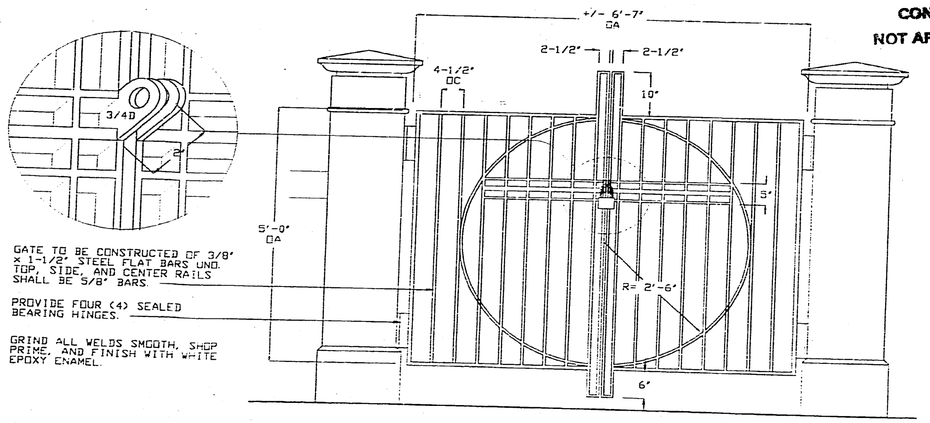
OFFICE COPY
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING: N
ZONING: N
PLUMBING:
ELECTRICAL:
MECHANICAL: OK - 1-26-98
FIRE PREVENTION: OK
ENGINEERING: ⊘
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:



2 PLAN DETAIL- BRICK WALKWAY



4 ELEVATION- NEW GATE ON LINCOLN ROAD

1/2" = 1'-0"

NEAL R. DEPUTY
ARCHITECT
1680 MICHIGAN AVE. MIAMI BEACH, FLORIDA 33139
TEL: 305-538-4511 FAX: 305-534-4095
12 JAN. '98

MIAMI BEACH COMMUNITY CHURCH
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1701 THREXEL AVE. MIAMI BEACH, FL. 33139
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DESIGN REVIEW BOARD
BOARD APPROVAL: ✓
DIRECTOR APPROVAL:
APPROVED WITH CONDITIONS:
NOT APPROVED:
DATE: 1/16/98
BY:

THRIFT SHOP RENOVATION

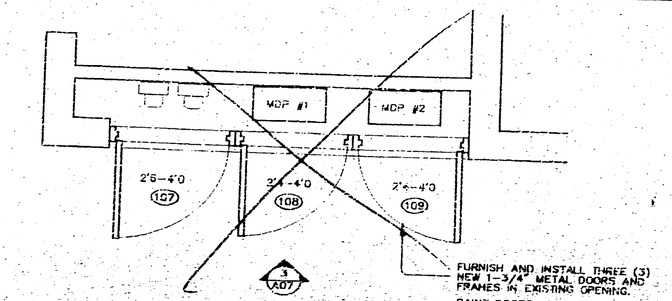
01 SEP 1997	ISSUED FOR BUDGET PRICING
09 JAN 1998	ISSUED FOR BID & PERMIT

MISC. DETAILS

A-06

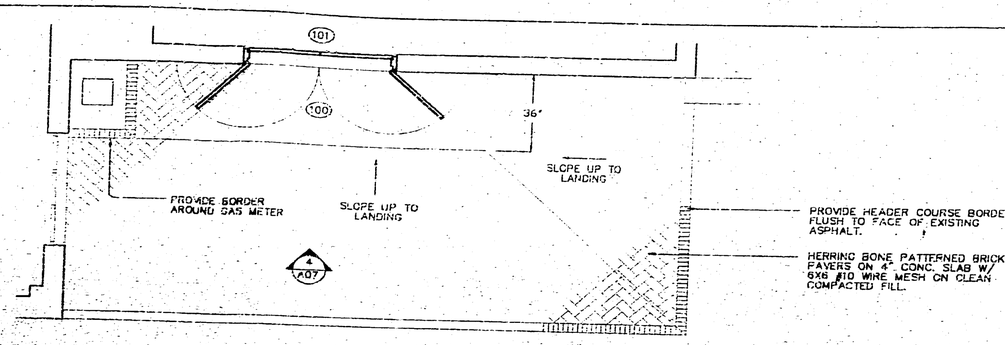
09 JAN 1998
SHEET 10 OF 12

2



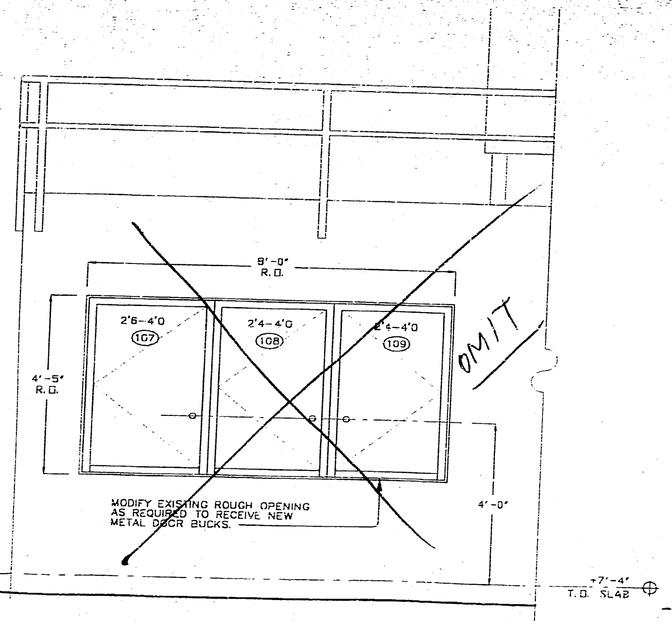
1 EXISTING METER ROOM PLAN

3/8" = 1'-0"



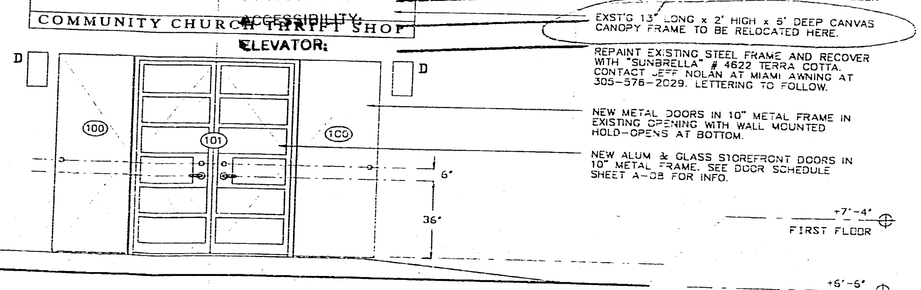
2 THRIFT SHOP ENTRY- PLAN

1/4" = 1'-0"



3 EXISTING METER ROOM ELEVATION

3/8" = 1'-0"



4 THRIFT SHOP ENTRY- ELEVATION

1/4" = 1'-0"

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING: 1-29-98

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

DESIGN REVIEW BOARD
BOARD APPROVAL:
DIRECTOR APPROVAL:
APPROVED WITH CONDITIONS: 2nd or paint to this approval
NOT APPROVED:
DATE: 1/16/98
BY:

NEAL R. DEPUTY
ARCHITECT

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TEL: 305-538-4511 FAX: 305-534-4095

12 JAN. 98

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THRIFT SHOP RENOVATION

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09 JAN 1998 ISSUED FOR BID & PERMIT

MISC. DETAILS

A-07

28 JAN 1998
SHEET 11 OF 12

2

DOOR SCHEDULE

DR #	SIZE	TYPE	MAT.	FRAME	FIN.	HEAD	JAMB	SILL	REMARKS	HARDWARE
100	(2) 2'8-8'0		MET	MET	PTD				MOUNT W/ DR. #101 IN 10' FRAME	SCHLAGE A-SERIES 'LEVON' ENTRANCE LOCKSET- SS, DEADBOLT, BUTT HINGES, SILENCERS, HOLD OPENS.
101	(2) 2'8-8'0		GLS/MTL	MET	NAT				KAWNEER STD. 190 SERIES OR EQUAL	SCHLAGE A-SERIES 'LEVON' ENTRANCE LOCKSET- SS. BUTT HINGES, O.H. CLOSERS, FLOOR STOPS.
102	3'0-8'0		HCW	WOOD	PTD.					SCHLAGE A-SERIES 'LEVON' STOREROOM LOCKSET- SS, BUTT HINGES, SILENCERS, FLOOR STOPS
103	3'0-8'0		HCW	WOOD	PTD.					SCHLAGE A-SERIES 'LEVON' ENTRANCE LOCKSET- SS, BUTT HINGES, SILENCERS, FLOOR STOPS
104	3'0-8'0		HCW	WOOD	PTD.					SCHLAGE A-SERIES 'LEVON' CORRIDOR LOCKSET- SS, BUTT HINGES, SILENCERS, FLOOR STOP
105	2'6-6'8		HCW	WOOD	PTD.					SCHLAGE A-SERIES 'ORBIT' STOREROMM LOCKSET- SS, BUTT HINGES, SILENCERS, FLOOR STOP.
106	3'0-6'8		MET	MET	PTD.					SCHLAGE A-SERIES 'LEVON' ENTRANCE LOCKSET- SS, DEADBOLT, O.H. CLOSER BUTT HINGES, FLOOR STOP.
107	2'6-4'0		MET	MET	PTD					SCHLAGE B-SERIES DEADBOLT- SS, BUTT HINGES, SILENCERS.
108	2'4-4'0		MET	MET	PTD					SCHLAGE B-SERIES DEADBOLT- SS, BUTT HINGES, SILENCERS.
109	2'4-4'0		MET	MET	PTD.					SCHLAGE B-SERIES DEADBOLT- SS, BUTT HINGES, SILENCERS.

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	WALLS	CEILING	BASE	REMARKS
101	DISPLAY	CARPET: JJ 'SCENARIO' COLOR: #311 PANTOMINE	PAINT COLOR: OFF WHITE/TBD	2X2 LAY IN TILE ARMSTRONG SILHOUETTE + B.T. ULTIMA	4" RUBBER COVE BASE ROPPE: 4" #87 BLUE	
102	DISPLAY	CARPET: JJ 'SCENARIO' COLOR: #311 PANTOMINE	PAINT COLOR: OFF WHITE/TBD	2X2 LAY IN TILE ARMSTRONG SILHOUETTE + B.T. ULTIMA	4" RUBBER COVE BASE ROPPE: 4" #87 BLUE	
103	OFFICE	CARPET: JJ 'SCENARIO' COLOR: #311 PANTOMINE	PAINT COLOR: OFF WHITE/TBD	2X2 LAY IN TILE ARMSTRONG SILHOUETTE + B.T. ULTIMA	4" RUBBER COVE BASE ROPPE: 4" #87 BLUE	
104	FITTING ROOM	CARPET: JJ 'SCENARIO' COLOR: #311 PANTOMINE	PAINT COLOR: OFF WHITE/TBD	2X2 LAY IN TILE ARMSTRONG SILHOUETTE + B.T. ULTIMA	4" RUBBER COVE BASE ROPPE: 4" #87 BLUE	
105	CORRIDOR	CARPET: JJ 'SCENARIO' COLOR: #311 PANTOMINE	PAINT COLOR: OFF WHITE/TBD	EXISTING TO REMAIN	4" RUBBER COVE BASE ROPPE: 4" #87 BLUE	

LIGHT FIXTURE SCHEDULE

TYPE	MARK	DESCRIPTION	QTY.	MANUFACTURER/ MODEL #	LAMP	WATTS	SEE DETAIL	REMARKS
A	☐	2x2 LAY-IN FLOUR.	34	PRESCOLITE 4" RECESSED PARALOUVER	(2) CF40	80		PROVIDE 3x3 LOUVERS/ WHITE
B	⊕	RECESS MOUNTED INCAND.	2	PRESCOLITE PBX/TA-38WBF	120W PAR38 NFL.	75		
C	[O]	LANDSCAPE LIGHT	7	"KIM" KLV215BL+FH215BL	75W 12V MINI-CAN	75		PROVIDE KLV400BL, 410BL, 411BL ACCESSORIES AND 9" EXTENSION ROD. PROVIDE TWO (2) 500W BL-P TRANSFORMERS
D	⊢O	EXT. WALL SCONCE	2	PRESCOLITE 1166-462- BRUSHED ALUM.	150W A-21	150		CLR. ALZAK REFLECTOR
E		EMERGENCY LIGHT	2	PRESCOLITE EDS4	INC.	30		WHITE
X		ILLUM. EXIT SIGN	3	PRESCOLITE EDGE LIT ERT-7-EME	N/A			CEILING RECESSED HOUSING/ EMERGENCY OPERATION

NEAL R. DEPUTY
ARCHITECT
1620 DREXEL AVE. MIAMI BEACH, FLORIDA 33139
TEL: 305 538 4040 FAX 305 534 4095

12 JAN. 98

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:
BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL: 1-29-98
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

MIAMI BEACH COMMUNITY CHURCH
The Rev. Dr. Garth R. Thompson
Pastor
1620 DREXEL AVE. MIAMI BEACH, FL. 33139
TEL: 305-538-4511 FAX: 305-534-4095

THRIFT SHOP RENOVATION

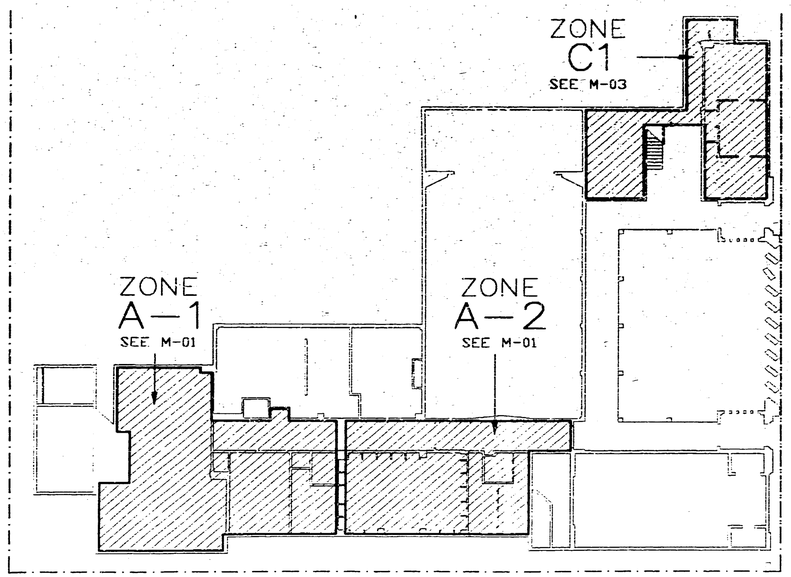
01 SEP 1997 ISSUED FOR BUDGET PRICING
09 JAN 1998 ISSUED FOR BID & PERMIT

SCHEDULES

A-08

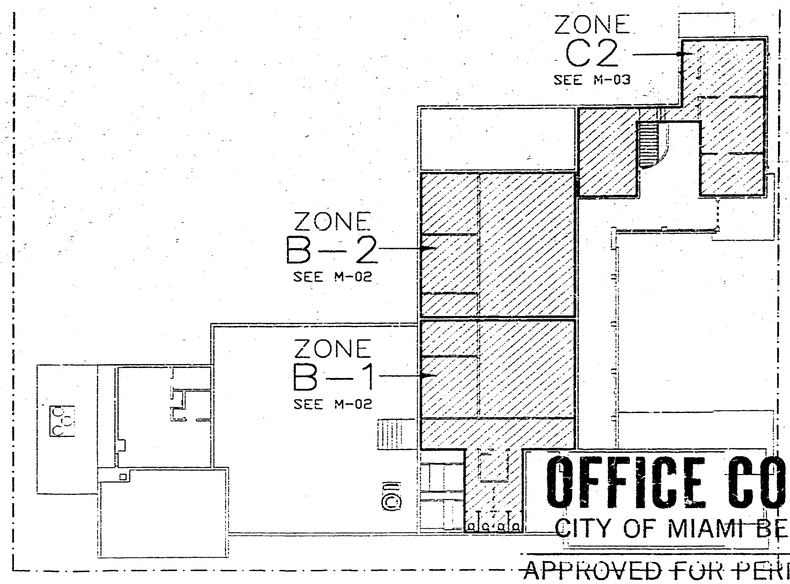
08 JAN 1998
SHEET 12 OF 12

2



1 FIRST FLOOR KEY PLAN

1" = 25'-0"



2 SECOND FLOOR KEY PLAN

1" = 25'-0"

NEAL R. DEPUTY
ARCHITECT

1620 DREXEL AVE. MIAMI BEACH, FLORIDA 33139
TEL: 305-538-4511 FAX: 305-534-4095

22 JAN '98

MIAMI BEACH COMMUNITY CHURCH

The Rev. Dr. Garth R. Thompson
Pastor

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BUILDING:
ZONING: WR 1/29/98
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

PARISH BUILDING HVAC

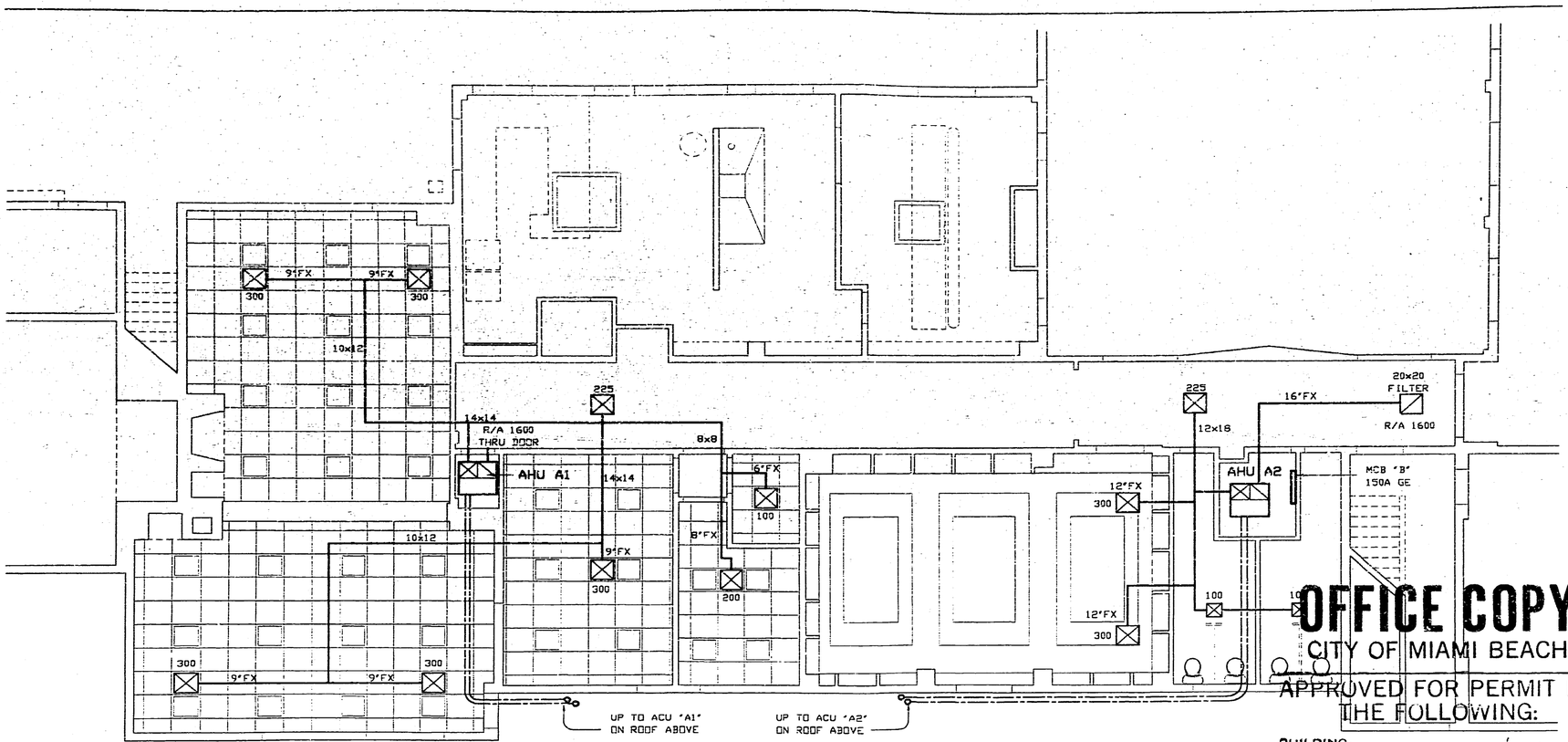
01 SEP 1997	ISSUED FOR BUDGET PRICING
23 JAN 1998	FOR PERMIT AND PRICING

KEY PLANS

K-01

23 JAN 1998
SHEET 04 OF 10

2



1 ZONE "A" CEILING PLAN

1/8" = 1'-0"

ZONE "A" NOTES

01) PULL POWER FOR AHUs AND CHUs FROM MCB "B" (150A GE) IN STORAGE CLOSET.
02) EXISTING CHASES AND DUCTWORK ABOVE CORRIDOR, LIBRARY, AND BATHROOMS CAN BE REUSED OR OUTFITTED WITH NEW.
03) DUCTWORK IN ALL AREAS WITH 2x2 CEILING GRID SHALL BE NEW. COORDINATE WITH NEW CEILING WORK.
04) COORDINATE LOCATIONS OF ALL AHU's, CHUs, COOLANT AND CONDENSATE LINES WITH ARCHITECT PRIOR TO INSTALLATION

NEAL R. DEPUTY
ARCHITECT

1820 DREXEL AVE, MIAMI BEACH, FLORIDA 33139
TEL: 305-538-4511 FAX: 305-534-4095

23 JAN. 98

MIAMI BEACH
COMMUNITY
CHURCH

The Rev. Dr. Garth R. Thompson
Pastor

1620 DREXEL AVE. MIAMI BEACH, FL. 33139
TEL: 305-538-4511 FAX: 305-534-4095

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING:
ZONING: WA 1/29/98
PLUMBING:
ELECTRICAL:
MECHANICAL: JR-1-28-98
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

PARISH
BUILDING
HVAC

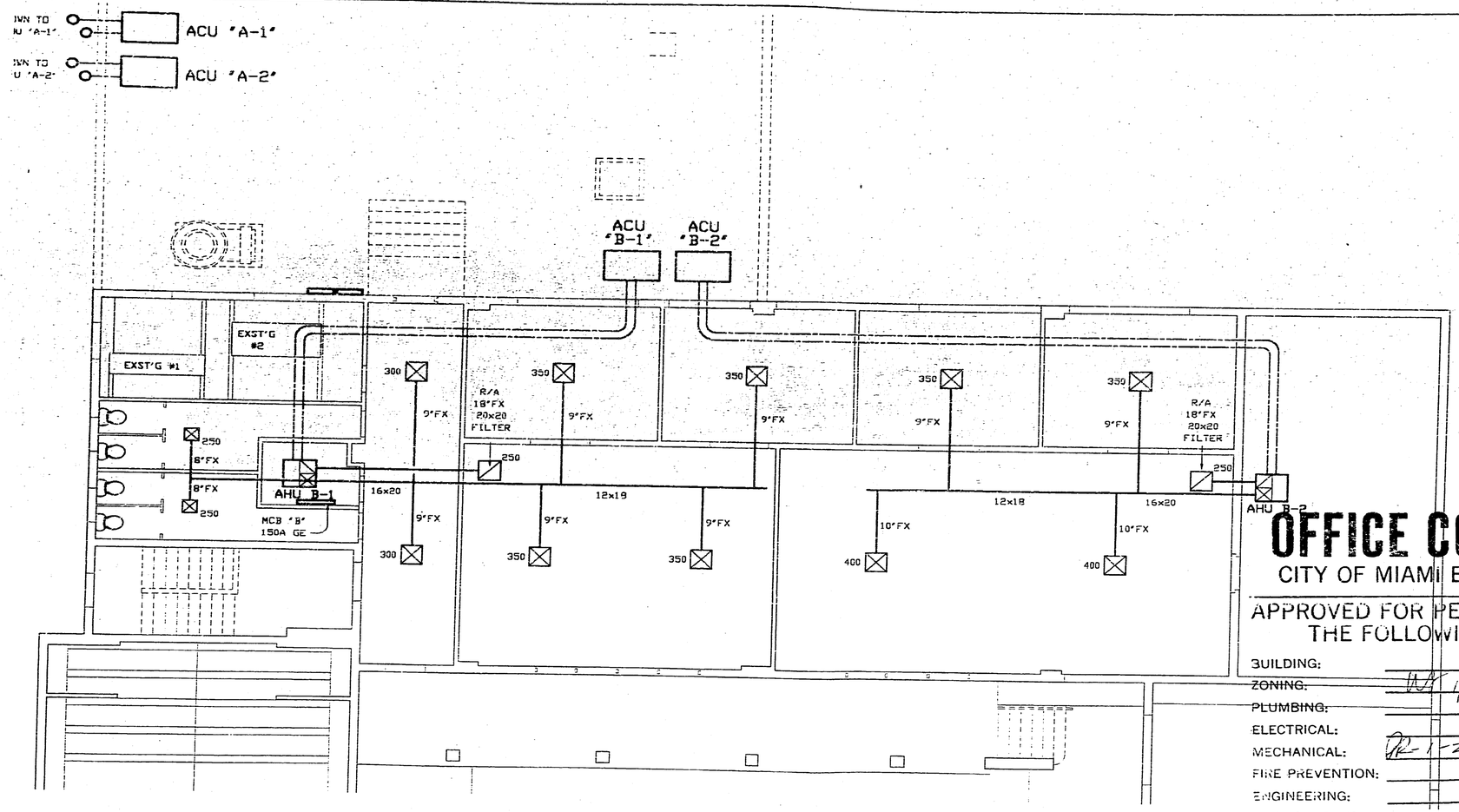
01 SEP 1997 ISSUED FOR BUDGET PRICING
23 JAN 1998 ISSUED FOR PERMIT AND PRICING

ZONE "A" CEILING PLAN

M-01

23 JAN 1998
SHEET 05 OF 10

2



1 ZONE 'B' CEILING PLAN

1/8" = 1'-0"

ZONE 'B' NOTES

01) PULL POWER FOR AHUs AND CHUs FROM MCB "A" (150A GE) IN STORAGE CLOSET.

02) ALL DUCTWORK INDICATED SHALL BE NEW AND LOCATED IN ATTIC SPACE ABOVE ROOMS AS INDICATED.

03) COORDINATE FINAL LOCATIONS OF ALL AHUs, CHUs, CONDENSATE LINES, AND COOLANT LINES WITH ARCHITECT PRIOR TO INSTALLATION.

NEAL R. DEPUTY
ARCHITECT

1620 DREXEL AVE. MIAMI BEACH, FLORIDA 33139
TEL: 305-538-4511 FAX: 305-534-4095

23 JAN. '98

MIAMI BEACH COMMUNITY CHURCH

The Rev. Dr. Garth R. Thompson
Pastor

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CITY OF MIAMI BEACH
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PARISH
BUILDING
HVAC

BUILDING:
ZONING: N/A 1/29/98
PLUMBING:
ELECTRICAL:
MECHANICAL: 1-29-98
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

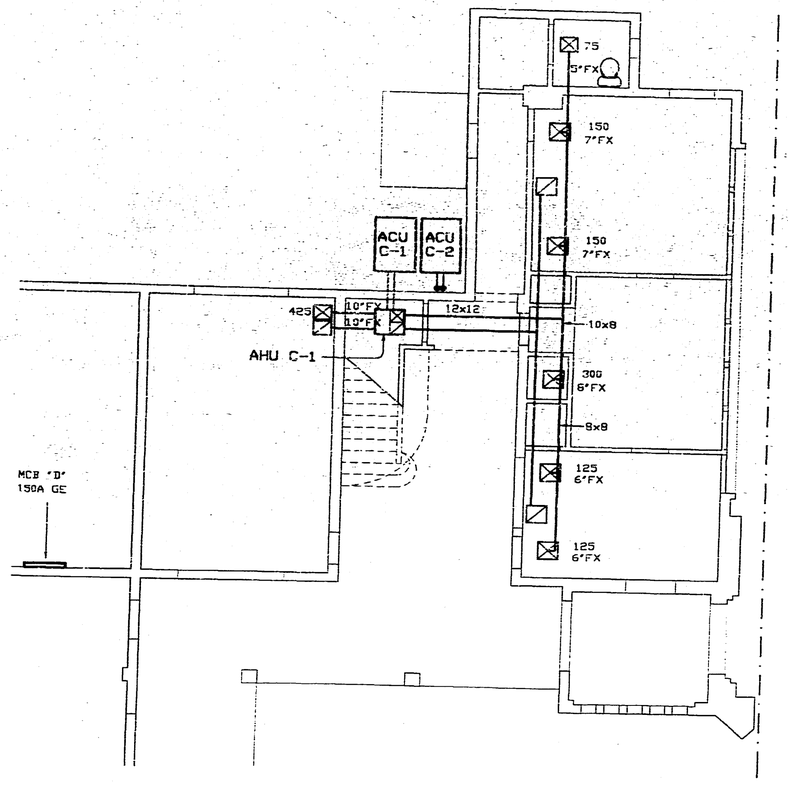
1	01 SEP 1997	ISSUED FOR BUDGET PRICING
2	23 JAN 1998	FOR PERMIT AND PRICING

ZONE "B" CEILING PLAN

M-02

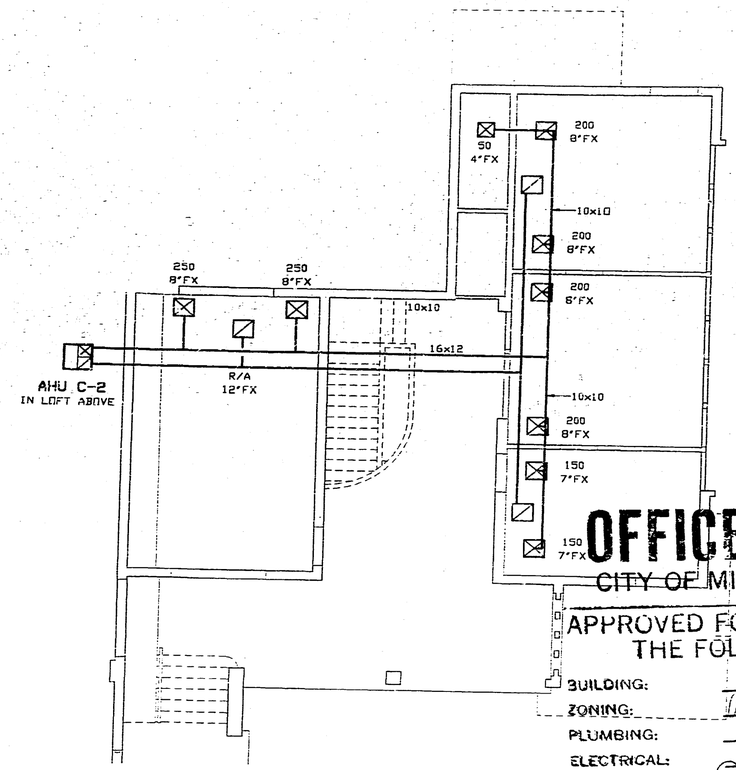
23 JAN 1998
SHEET 36 OF 10

2



1 ZONE 'C' FIRST FLOOR CEILING PLAN

1/8" = 1'-0"



2 ZONE 'C' SECOND FLOOR CEILING PLAN

1/8" = 1'-0"

ZONE 'C' NOTES

01) PULL POWER FROM MCB "D" (150A GE) IN ADJACENT STORAGE ROOM.

02) ALL DUCT CASES, RISERS, AND PENETRATIONS SHOWN ARE EXISTING. REFIT WITH NEW AS INDICATED OR REUSE EXISTING.

03) COORDINATE FINAL LOCATIONS OPF ALL SLABS, AHUs, CHUs, CONDENSATE ACCESSIBILITY WITH ARCHITECT PRIOR TO INSTALLATION

NEAL R. DEPUTY
ARCHITECT

1620 DREXEL AVE, MIAMI BEACH, FLORIDA 33139
TEL: 305 534 4010 FAX: 305 534 4095

23 JAN. 98

MIAMI BEACH COMMUNITY CHURCH

The Rev. Dr. Garth R. Thompson
Pastor

1620 DREXEL AVE. MIAMI BEACH, FL. 33139
TEL: 305-534-4511 FAX: 305-534-4095

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CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING:
ZONING: N/A 1/29/98
PLUMBING:
ELECTRICAL:
MECHANICAL: DR-1-29-98
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL: AS
ELEVATOR:

PARISH BUILDING HVAC

01 SEP 1997	ISSUED FOR BUDGET PRICING
23 JAN 1998	FOR PERMIT AND PRICING

ZONE "C" CEILING PLANS

M-03

23 JAN 1998
SHEET 07 OF 10

2

ZONE "A" EQUIPMENT INFO.

A/C UNIT "A-1" — 15 AMP/ #12

MANUFACTURER	CARRIER
MODEL NO.	38BRC024-3
TONS	2.0
SEER	12.0
VOLTS/PHASE	208/3

AHU "A-1" — 15 AMP/ #12

MANUFACTURER	CARRIER	
MODEL NO.	FA4ANF024005	
SEER	12.0	
VOLTS/PHASE	208/3	
OUTSIDE AIR	**40 PERS. @ 15 CFM/PERS**	**600 CFM REQ'D.**

A/C UNIT "A-2" — 30 AMP/ #10

MANUFACTURER	CARRIER
MODEL NO.	38BRC060-3
TONS	5.0
SEER	12.0
VOLTS/PHASE	208/3

AHU "A-2" — 15 AMP/ #12

MANUFACTURER	CARRIER	
MODEL NO.	FB4BNC070-010	
SEER	12	
VOLTS/PHASE	208/3	
OUTSIDE AIR	**10 PERS. @ 15 CFM/PERS.**	**150 CFM REQ'D.**

ZONE "B" EQUIPMENT INFO.

A/C UNIT "B-1" — 30 AMP/ #10

MANUFACTURER	CARRIER
MODEL NO.	38BRC060-3
TONS	5.0
SEER	12.0
VOLTS/PHASE	208/3

AHU "B-1" — 15 AMP/ #12

MANUFACTURER	CARRIER	
MODEL NO.	FB4BNC070-010	
SEER	12.0	
VOLTS/PHASE	208/3	
OUTSIDE AIR	**20 PERS. @ 15 CFM/PERS.**	**300 CFM REQ'D.**

A/C UNIT "B-2" — 30 AMP/ #10

MANUFACTURER	CARRIER
MODEL NO.	38BRC060-3
TONS	5.0
SEER	12.0
VOLTS/PHASE	208/3

AHU "B-2" — 15 AMP/ #12

MANUFACTURER	CARRIER	
MODEL NO.	FB4BNC070-010	
SEER	12	
VOLTS/PHASE	208/3	
OUTSIDE AIR	**20 PERS. @ 15 CFM/PERS.**	**300 CFM REQ'D.**

01) ALL 90 DEGREE SQUARE THROAT/SQUARE HEEL DUCT ELBOWS SHALL HAVE TURNING VANES PER SFBC 4905.3 (g)

ZONE "C" EQUIPMENT INFO.

A/C UNIT "C-1" — 20 AMP/ #12

MANUFACTURER	CARRIER
MODEL NO.	38BRC048-3
TONS	3.5
SEER	12.0
VOLTS/PHASE	208/3

AHU "C-1" — 15 AMP/ #12

MANUFACTURER	CARRIER	
MODEL NO.	FA4ANF048-010	
SEER	12.0	
VOLTS/PHASE	208/3	
OUTSIDE AIR	**6 PERS. @ 15 CFM/PERS.**	**[illegible] CFM REQ'D.**

A/C UNIT "C-2" — [illegible]

MANUFACTURER	CARRIER
MODEL NO.	38BRC042-3
TONS	3.5
SEER	12.0
VOLTS/PHASE	208/3

AHU "C-2" — 15 AMP/ #12

MANUFACTURER	CARRIER	
MODEL NO.	FA4ANF048-010	
SEER	12	
VOLTS/PHASE	208/3	
OUTSIDE AIR	**6 PERS. @ 15 CFM/PERS.**	**90 CFM REQ'D.**

HVAC FIRE SAFETY REQUIREMENTS	YES	NO
DUCT SMOKE DETECTOR	YES	
FIRE DAMPER(S)		NO
SMOKE DAMPER(S)		NO
FIRE RATED ENCLOSURE(S)		NO
FIRE RATED FLOOR/ROOF ASSEMBLIES		NO
FIRE STOPPING		NO
SMOKE CONTROL		NO

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING: W8 1/29/98
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL: 1-29-98
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

PARISH
BUILDING
HVAC

NEAL R. DEPUTY
ARCHITECT
1620 DREXEL AVE. MIAMI BEACH, FLORIDA 33139
TEL: 305-534-4030 FAX 305-534-4399

28 JAN. 98

MIAMI BEACH COMMUNITY CHURCH
The Rev. Dr. Garth D. Thompson
Pastor
1620 DREXEL AVE. MIAMI BEACH, FL. 33139
TEL: 305-538-4511 FAX: 305-534-4095

01 SEP 97	FOR PRELIMINARY PRICING
23 JAN 98	FOR PRICING AND PERMIT
28 JAN 98	REVISIONS BY CITY REQUEST

EQUIPMENT INFORMATION

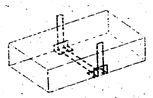
M-04

28 JAN 1998
SHEET 08 OF 10

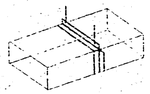
2

NEAL R. DEPUTY
ARCHITECT
1520 DREXEL AVE. MIAMI BEACH, FLA. 33139
TEL: 305-534-4095 FAX: 305-534-4095

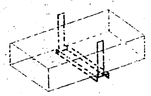
STRAP AND SADDLE HANGING DETAIL



Z – BAR AND WIRE HANGING DETAIL

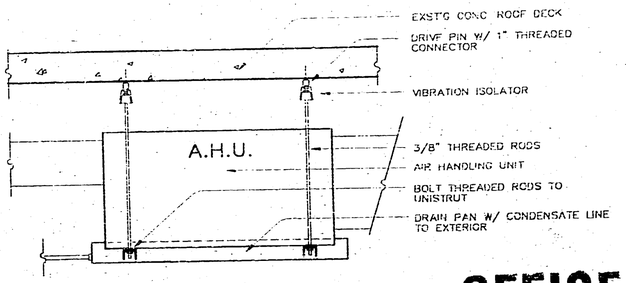


CHANNEL AND STRAP HANGING DETAIL



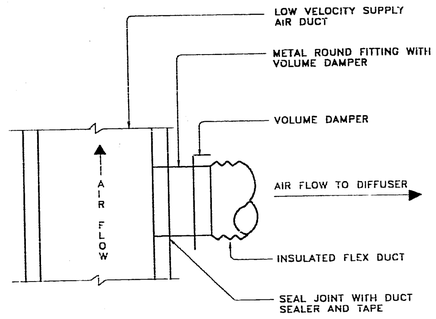
2 DUCT HANGING DETAILS

NO SCALE



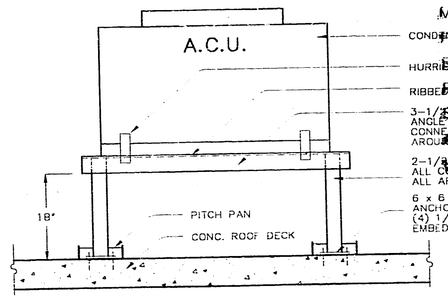
3 CONDENSER UNIT SUPPORT DETAIL

NO SCALE



5 FLEXIBLE DUCT CONNECTION DETAIL

NO SCALE



6 CONDENSER UNIT SUPPORT DETAIL

NO SCALE

PROVIDE AND INSTALL HURRICANE CLIPS PER STRUCTURAL ENGINEER. SYSTEM SHALL WITHSTAND HURRICANE FORCE WINDS PER LOCAL CODES.

MIAMI BEACH COMMUNITY CHURCH
The Rev. Dr. Garth R. Thompson
Pastor
1520 DREXEL AVE. MIAMI BEACH, FL. 33139
TEL: 305-534-4095 FAX: 305-534-4095

01 SEP 97	FOR PRELIMINARY PRICING
23 JAN 98	FOR PRICING AND PERMIT
28 JAN 98	REVISIONS BY CITY REQUEST

MECHANICAL NOTES/DETAILS

M-05

28 JAN 1998

SHEET 09 OF 10

2

2

1e110859

PERMIT #
B9901692

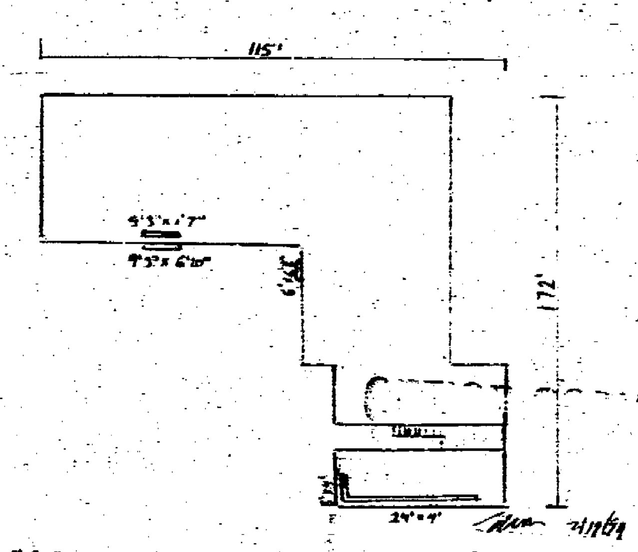
ADDRESS
1620 Drexel Av

METAL SHIELD

MIAMI BEACH COMMUNITY CHURCH
1620 DREXEL AVE.

HURRICANE SHUTTERS

REMOVABLE STORM PANELS



R.A.G.: 0" TO 20"
M.R.H.: 28'4" (FLAT)

2139 University Drive, Suite 302 • Coral Springs, FL 33071
Broward: (954) 341-1516 • Dade: (305) 525-3511 • Fax: (954) 752-9885

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

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

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

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 375-2339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Hurst Awning Company, Inc.
2795 N.W. 36 Avenue
Miami FL 33142

Your application for Product Approval of
20 ga. Steel Storm Panel Shutter
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.: 98-1021.03
Expires: 02/16/2002

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: 02/11/1999

Hurst Awning Company, Inc.

ACCEPTANCE No.: 98-1021.03
APPROVED: FEB 11 1999
EXPIRES: February 16, 2002

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. **SCOPE**
This revises and renews the Notice of Acceptance No. 97-1208.05, which was issued on February 5, 1998. It approves a 20 gauge galvanized steel storm panels shutter, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. **PRODUCT DESCRIPTION**
The 20 gauge galvanized steel storm panels shutter and its components shall be constructed in strict compliance with the following documents: Drawing No. 98-218, titled "20 Ga. Steel Storm Panel", prepared by Knezevich & Associates, Inc., dated September 30, 1998, last revision #2 dated January 4, 1999, sheets 1 through 8 of 8, signed and sealed by V. J. Knezevich, P.E., on January 6, 1999, 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**
All permanent set components, included but not limited to embedded anchor bolts, threaded cones, metal shields, headers and sills, must be protected against corrosion, contamination and damage at all times.

4. **INSTALLATION**
The 20 gauge galvanized steel storm panels shutter and its components shall be installed in strict compliance with the approved drawings.

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

6. **BUILDING PERMIT 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.

Helmy A. Makar, P. E. - Product Control Examiner
Product Control Division

Hurst Awning Company, Inc.

ACCEPTANCE No.: 98-1021.03
APPROVED: FEB 11 1999
EXPIRES: February 16, 2002

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

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

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

3. Renewals of Acceptance will not be considered if:
   a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
   b. The product is no longer the same product (identical) as the one originally approved.
   c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
   d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.

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

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

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

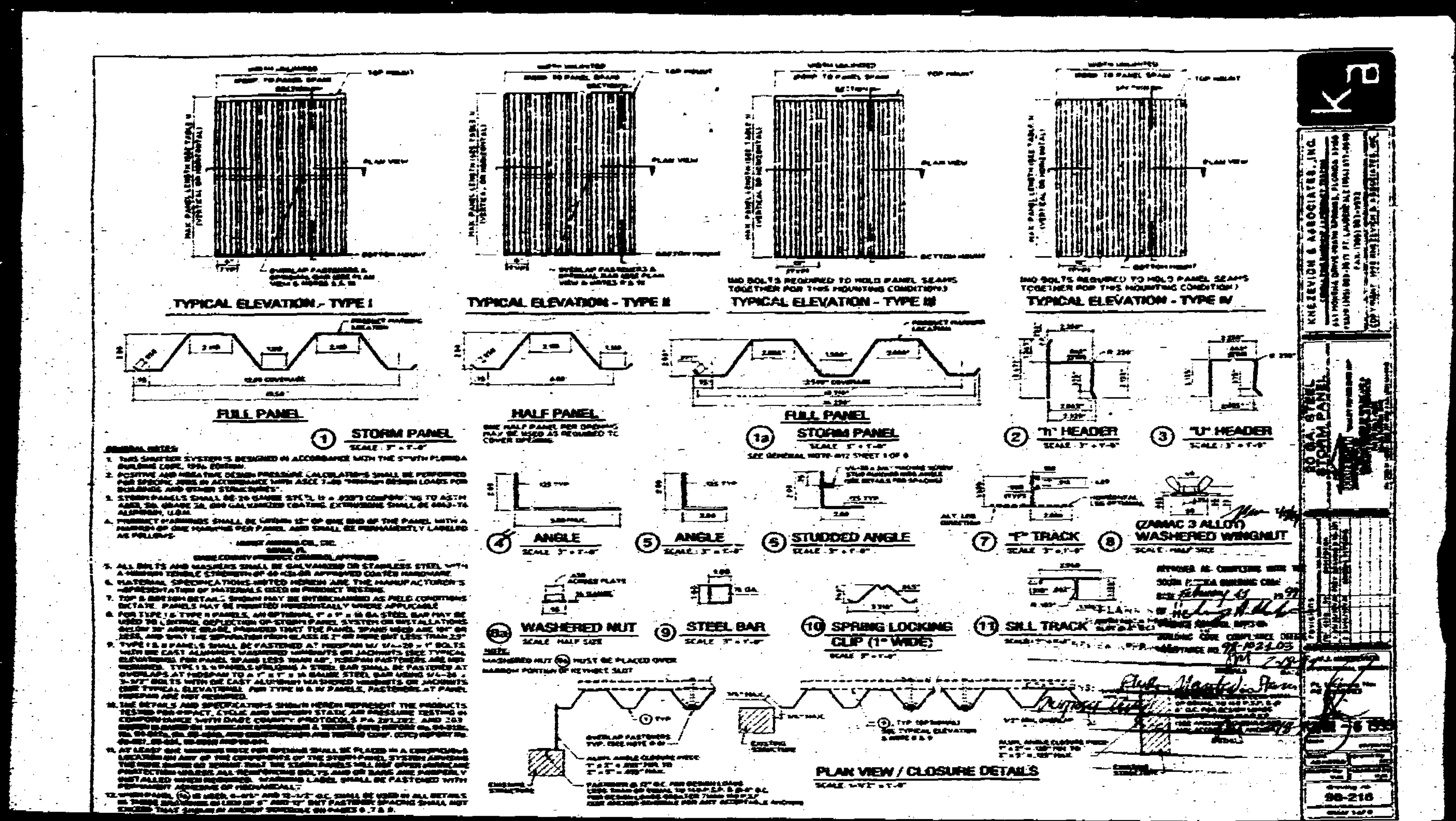
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.

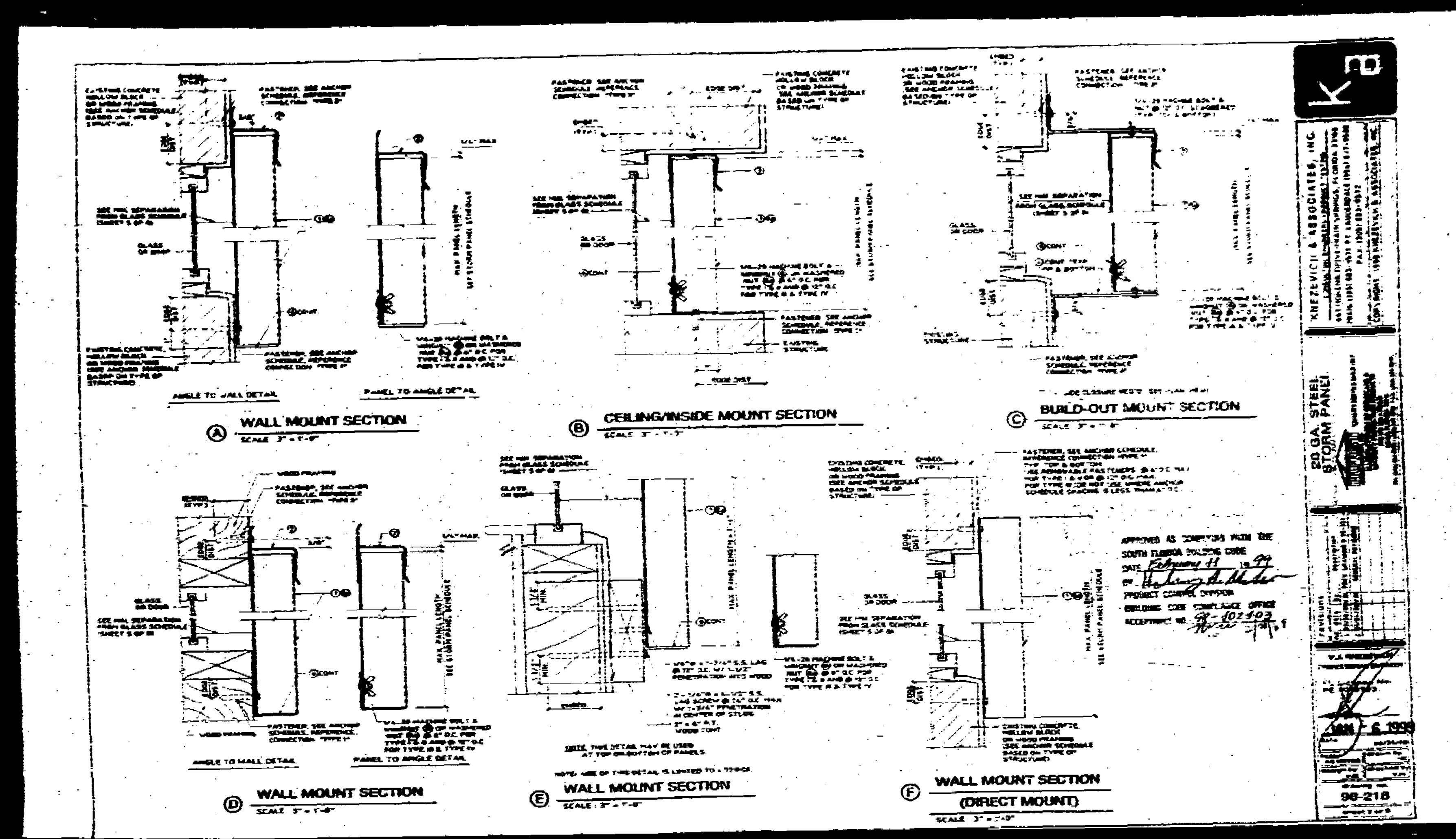
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.

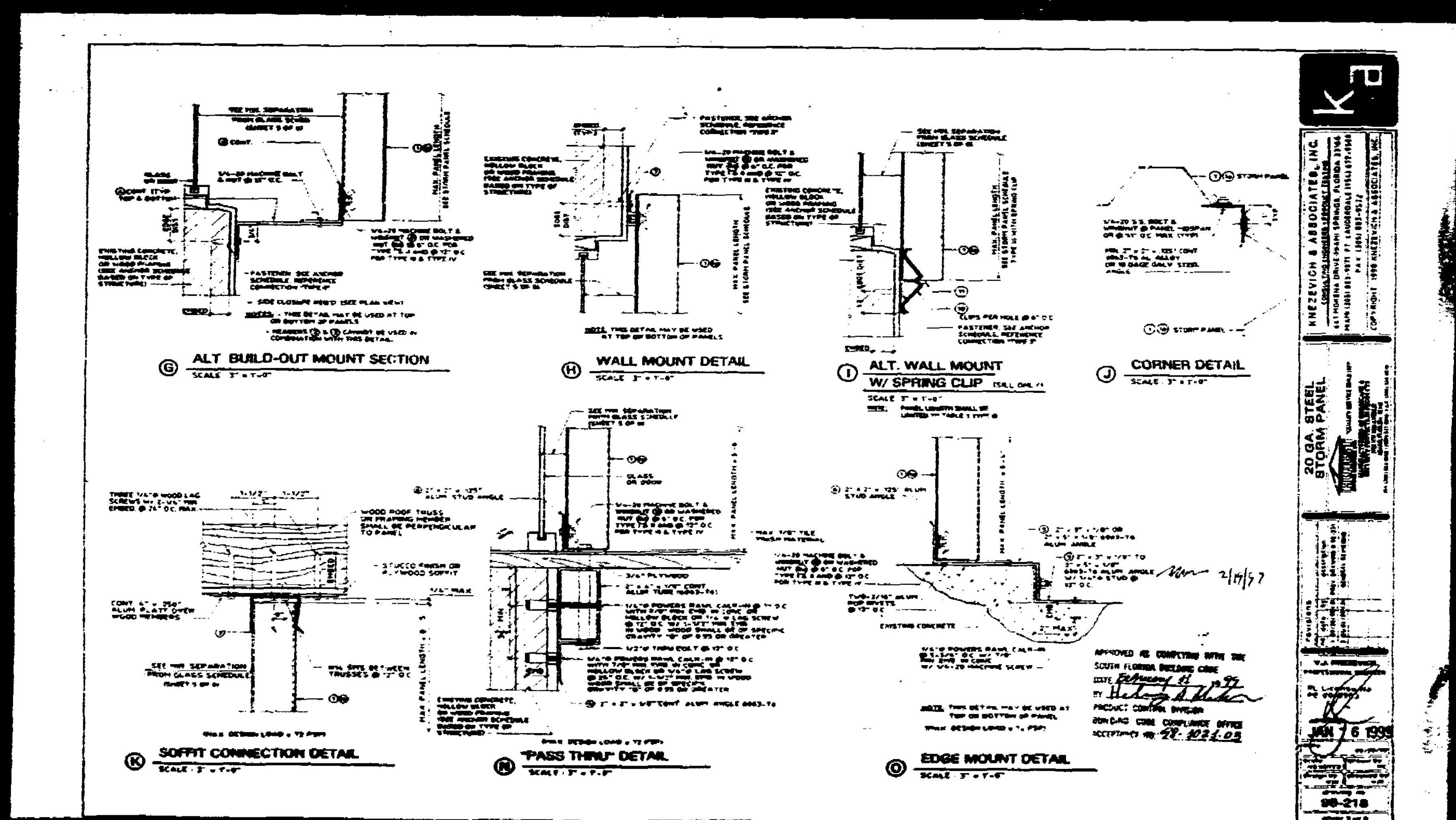
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE

Helmy A. Makar, P.E. - Product Control Examiner
Product Control Division


TYPICAL ELEVATION - TYPE I
TYPICAL ELEVATION - TYPE II
TYPICAL ELEVATION - TYPE III
TYPICAL ELEVATION - TYPE IV
FULL PANEL
STORM PANEL
HALF PANEL
PLAN VIEW / CLOSURE DETAILS
20 GA. STEEL STORM PANEL
98-218


WALL MOUNT SECTION
CEILING/INSIDE MOUNT SECTION
BUILD-OUT MOUNT SECTION
WALL MOUNT SECTION
WALL MOUNT SECTION
WALL MOUNT SECTION
(DIRECT MOUNT)
20 GA. STEEL STORM PANEL
98-218


ALT. BUILD-OUT MOUNT SECTION
WALL MOUNT DETAIL
ALT. WALL MOUNT W/ SPRING CLIP
CORNER DETAIL
SOFFIT CONNECTION DETAIL
"PASS THRU" DETAIL
EDGE MOUNT DETAIL
20 GA. STEEL STORM PANEL

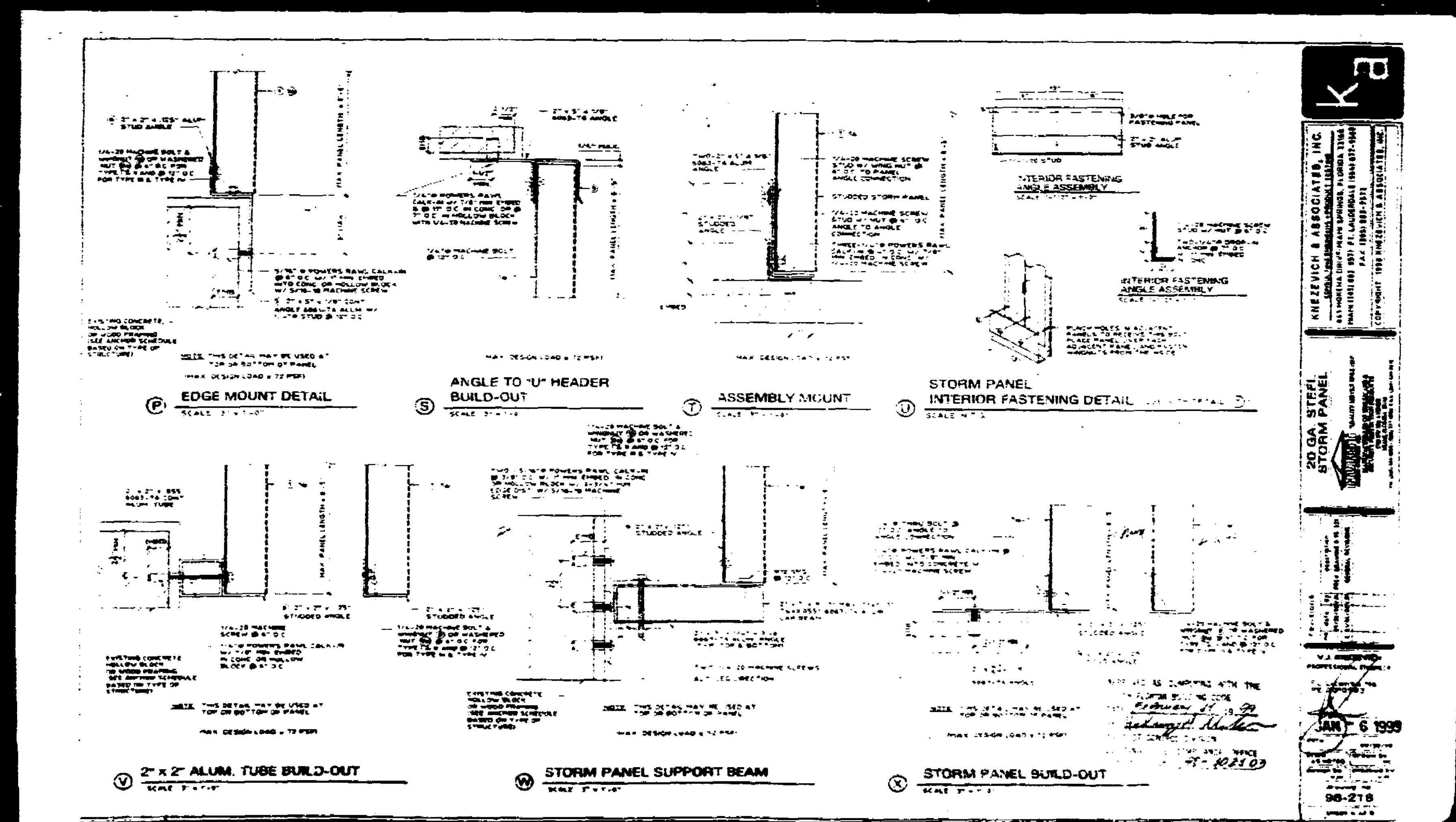

EDGE MOUNT DETAIL
ANGLE TO "U" HEADER BUILD-OUT
ASSEMBLY MOUNT
STORM PANEL INTERIOR FASTENING DETAIL
2" x 2" ALUM. TUBE BUILD-OUT
STORM PANEL SUPPORT BEAM
STORM PANEL BUILD-OUT
20 GA. STEEL STORM PANEL
98-218

TABLE 1 - STORM PANEL (1) & (1a) SCHEDULE

NEGATIVE DESIGN LOAD W (PSF)	TYPE I: FOR MOUNTING CONDITIONS W/ "h" OR "U" HEADERS & SILLS USING STUDS, BOLTS OR DIRECT MOUNT @ 6" O.C. BOLTS OR BAR REQ'D. AT MIDSPAN OVERLAPS — L max (FT - IN)	TYPE II: FOR MOUNTING CONDITIONS W/ HEADERS & SILLS USING STUDS, BOLTS OR DIRECT MOUNT @ 6" O.C. BOLTS OR BAR REQ'D. AT MIDSPAN OVERLAPS — L max (FT - IN)	TYPE III: FOR MOUNTING CONDITIONS W/ "h" OR "U" HEADERS & SILLS USING STUDS, BOLTS OR DIRECT MOUNT @ 12" O.C. NO BOLTS OR BAR REQ'D AT MIDSPAN OVERLAPS — L max (FT - IN)	TYPE IV: FOR MOUNTING CONDITIONS W/ HEADERS & SILLS USING STUDS, BOLTS OR DIRECT MOUNT @ 12" O.C. NO BOLTS OR BAR REQ'D AT MIDSPAN OVERLAPS — L max (FT - IN)
40.0	[illegible]	12 - 0	9 - 9	[illegible] - 0
45.0	[illegible]	12 - 0	9 - 4	[illegible]
50.0	[illegible]	11 - 9	9 - 4	10 - 3
55.0	[illegible]	11 - 2	9 - 1	9 - 9
60.0	[illegible]	10 - 9	8 - 9	9 - 5
62.0	[illegible]	10 - 6	8 - 9	9 - 3
65.0	[illegible]	10 - 4	8 - 7	9 - 0
70.0	[illegible]	9 - 11	8 - [illegible]	8 - 8
72.0	[illegible]	9 - 9	8 - [illegible]	8 - 7
75.0	[illegible]	9 - 7	[illegible]	8 - [illegible]
80.0	[illegible]	9 - 3	8	8 - [illegible]
90.0	[illegible]	8 - 9	7 - 2	7 - 8
100.0	[illegible]	8 - 5	[illegible]	[illegible] - 2
110.0	[illegible]	7 - 11	5 - 10	6 - 11
120.0	5 - 0	7 - 7	5 - [illegible]	6 - 7
130.0	4 - 7	7 - 3	5 - 9	6 - 4
140.0	4 - 3	7 - 0	4 - 7	5 - [illegible]
150.0	[illegible] - 0	6 - 9	4 - 3	5 - 11
160.0	3 - 9	6 - 7	4 - 0	5 - 9
170.0	3 - 6	6 - 4	3 - 9	5 - 7
180.0	3 - 4	6 - 2	3 - 7	5 - 5
190.0	3 - 2	6 - 0	3 - 5	5 - 3
200.0	3 - 0	5 - 10	3 - 3	4 - 11
210.0	2 - 10	5 - 9	3 - [illegible]	4 - 9
220.0	2 - 9	5 - 7	[illegible]	4 - 6
230.0	2 - 7	5 - 4	2 - 9	4 - 4

NOTES:
1. ENTER TABLE 1 WITH NEGATIVE DESIGN LOAD TO DETERMINE MAXIMUM PANEL LENGTH.
2. REFERENCE APPROPRIATE COLUMN IN STORM PANEL SCHEDULE BASED ON MOUNTING CONDITIONS IN FIELD.
3. SEE NOTE No. 12 ON PAGE 1 OF 8.

TABLE 2 - MIN. STORM PANEL SEPARATION FROM GLASS SCHEDULE

POSITIVE DESIGN LOAD W (PSF)	ACTUAL SHUTTER SPAN (L) (FT - IN)	MINIMUM SEPARATION FOR INSTALLATIONS 30' OR LESS ABOVE GRADE (INCHES): BAR	MINIMUM SEPARATION FOR INSTALLATIONS 30' OR LESS ABOVE GRADE (INCHES): NO BAR	MINIMUM SEPARATION FOR INSTALLATIONS GREATER THAN 30' ABOVE GRADE (INCHES): NO BAR
40.0	5 - 0	2	2-1/2	1-1/4
	8 - 5	2	2-1/2	1-1/2
	12 - 0	N/A	3-1/4	2-1/2
50.0	5 - 0	2	2-1/2	1-1/4
	8 - 5	2	2-1/2	1-5/8
	11 - 9	N/A	3-1/4	2-3/4
60.0	5 - 0	2	2-1/2	1-1/4
	8 - 5	2	2-1/2	1-5/8
	10 - 9	N/A	3-1/4	2-1/2
70.0	5 - 0	2	2-1/2	1-1/4
	8 - 5	2	2-1/2	1-3/4
	9 - 11	N/A	3-1/4	2-1/4
80.0	5 - 0	2	2-1/4	1-1/4
	8 - 5	2	2-1/2	1-7/8
	9 - 3	N/A	3-1/4	2-1/8
90.0	5 - 0	2	2-1/2	1-1/4
	8 - 5	2	2-1/2	1-3/8
	8 - 9	N/A	3-1/4	2
100.0	4 - 0	2	2-1/2	1-1/4
	6 - 0	2	2-1/2	1-3/8
	8 - 3	2	2-1/2	2
110.0	4 - 0	2	2-1/2	1-1/4
	6 - 0	2	2-1/2	1-3/8
	7 - 11	2	2-1/2	1-7/8
120.0	4 - 0	2	2-1/2	1-1/4
	6 - 0	2	2-1/2	1-3/8
	7 - 7	2	2-1/2	1-7/8

NOTES:
1. ENTER TABLE 2 WITH POSITIVE DESIGN LOAD TO DETERMINE MINIMUM SEPARATION FROM GLASS.
2. FOR DESIGN LOADS BETWEEN TABULATED VALUES USE NEXT HIGHER LOAD OR LINEAR INTERPOLATION MAY BE USED TO DETERMINE ALLOWABLE PANEL LENGTH.
3. "N/A" DESIGNATES NOT APPLICABLE – MUST MEET "NO BAR" REQUIREMENTS

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BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-1021.03

KNEZEVICH & ASSOCIATES, INC.
20 GA. STEEL STORM PANEL

ANCHOR SCHEDULE

FASTENER MAXIMUM SPACING (INCHES) REQUIRED FOR VARIOUS DESIGN LOADS AND SPANS

3/4" EDGE DISTANCE

EXISTING STRUCTURE	ANCHOR TYPE	LOAD (W) PSF MAX. (SEE NOTE 1)	SPANS UP TO 5'-0" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5	SPANS UP TO 8'-5" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5	SPANS UP TO 12'-0" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5
WOOD	1/4"ø WOOD LAG SCREW W/ 1-3/4" THREAD PENETRATION (SHEAR PARALLEL TO GRAIN)	48.0	12.5	12.5	12.5	12.5	12.5	12.5	11	12.5	12.5	9	12.5	6	12.5	12.5	5
		62.0	12.5	12.5	12.5	12.5	11	12.5	7	12.5	12.5	7	12.5	4	12.5	10	4
		72.0	12.5	12.5	12.5	12.5	10	12.5	5	12.5	12.5	6	12.5	3	5	7	4
		92.0	12.5	9	12.5	12.5	7	12.5	4	12	9	4	12		5	4	3
		230.0	11		5	4	3	10		4	3		10		4	3	
	1/4"ø WOOD LAG SCREW W/ 1-3/4" THREAD PENETRATION (SHEAR PARALLEL TO GRAIN)	48.0	12.5	12.5	12.5	12.5	12	12.5	11	12.5	12.5	7	12.5	5	12.5	12.5	5
		62.5	12.5	12.5	12.5	12.5	9	12.5	7	12.5	12.5	5	12.5	4	12.5	10	3
		72.0	12.5	12.5	12.5	12.5	8	12.5	5	12.5	12.5	4	12.5	3	9	7	3
		92.0	12.5	9	12.5	12.5	6	12.5	4	12	9	3	12		5	4	
		230.0	11		5	4		10		4	4		10		4	3	
	* 1/4"ø ELCO MALE/FEMALE "PANELMATE" W/ 1-7/8" MIN. EMBEDMENT & 1/4-20 MACHINE SCREW WITH NUT	48.0	12.5	12.5	12.5	12.5	12.5	12.5	12	12.5	12.5	12	12.5	7	12.5	12.5	9
		62.0	12.5	12.5	12.5	12.5	12.5	12.5	8	12.5	12.5	9	12.5	5	12.5	11	6
		72.0	12.5	12.5	12.5	12.5	12.5	12.5	6	12.5	12.5	8	12.5	4	10	8	5
		92.0	12.5	10	12.5	12.5	10	12.5	4	12.5	10	6	12.5	3	5	5	4
		230.0	12		5	4	4	12		5	4	4	12		5	4	4
	* 5/16"ø BRASS WOOD BUSHING W/ 7/8" EMBED AND 3/4" MIN. EDGE DISTANCE	48.0	12.5	12.5	12.5	12.5	7	9	3	9	9	4	6			4	
		62.0	12	5	12	12	5	7		7	7	3	5				
		72.0	10	4	10	10	4	6		6	5		4				
		92.0	8		8	8	3	4		3			3				
		230.0	3					3					2				

ANCHOR NOTES:
1. SPANS & LOADS SHOWN HERE ARE FOR DETERMINING ANCHOR SPACING ONLY. ALLOWABLE SHUTTER SPANS FOR SPECIFIC LOADS MUST BE LIMITED TO THOSE SHOWN IN TABLE 1, SHEET 5
2. ENTER TABLE BASED ON THE EXISTING STRUCTURE MATERIAL, ANCHOR TYPE AND EDGE DISTANCE. SELECT DESIGN LOAD GREATER THAN OR EQUAL TO NEGATIVE DESIGN LOAD ON SHUTTER AND SELECT SPAN GREATER THAN OR EQUAL TO SHUTTER SPAN.
3. EXISTING STRUCTURE MAY BE CONCRETE, HOLLOW BLOCK OR WOOD FRAMING. REFERENCE ANCHOR SCHEDULE FOR PROPER ANCHOR TYPE BASED ON TYPE OF EXISTING STRUCTURE AND APPROPRIATE CONNECTION TYPE. SEE CONNECTION DETAILS FOR IDENTIFICATION OF CONNECTION TYPE.
4. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES WALL FINISH OR STUCCO.
6. WHERE EXISTING STRUCTURE IS WOOD FRAMING, WOOD FRAMING CONDITIONS VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT PLYWOOD.
7. WHERE LAG SCREWS FASTEN TO NARROW FACE OF STUD FRAMING, FASTENER SHALL BE LOCATED IN CENTER OF NOMINAL 2"x4" (MIN.) WOOD STUD. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR WOOD FRAMING. WOOD STUD SHALL BE SOUTHERN PINE, G=0.55 OR GREATER DENSITY. LAG SCREWS SHALL HAVE PHILLIPS PAN HEAD OR HEX HEAD.
8. MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN-HEAD, TRUSS HEAD, OR WAFER HEAD (SIDEWALK BOLT), U.O.N.
9. ☐ DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE USES.
* DESIGNATES ANCHORS WHICH ARE REMOVABLE BY REMOVING WASHERED WINGNUT, NUT, OR MACHINE SCREW

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BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-1021.03

KNEZEVICH & ASSOCIATES, INC.
20 GA. STEEL STORM PANEL

ANCHOR SCHEDULE

FASTENER MAXIMUM SPACING (INCHES) REQUIRED FOR VARIOUS DESIGN LOADS AND SPANS

EXISTING STRUCTURE: HOLLOW CONCRETE BLOCK — 2" EDGE DISTANCE

ANCHOR TYPE	LOAD (W) PSF MAX. (SEE NOTE 1)	SPANS UP TO 5'-0" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5	SPANS UP TO 8'-5" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5	SPANS UP TO 12'-0" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5
1/4"ø ITW TAPCON W/ 1-1/4" MIN. EMBEDMENT	48.0	12.5	12.5	12.5	12.5	9	10	3	10	10	5	7		7	7	3
	62.0	12.5	6	12.5	12.5	7	8		8	8	4	5		4	3	
	72.0	12	4	12	12	6	7		7	6	3	5		3		
	92.0	9	3	9	9	4	5		4	3		3				
	230.0	3					3					3				
* 1/4"ø ELCO MALE/FEMALE "PANELMATE" W/ 1-1/4" MIN. EMBEDMENT & 1/4-20 MACHINE SCREW WITH NUT	48.0	12.5	12.5	12.5	12.5	11	12.5	5	12.5	12.5	7	11	3	11	11	4
	62.0	12.5	9	12.5	12.5	9	12	3	12	12	5	8		6	5	3
	72.0	12.5	7	12.5	12.5	7	10		10	9	4	7		4	3	3
	92.0	12.5	4	12.5	12.5	6	8		6	4	3	6				
	230.0	5					5					5				
* 1/4"ø POWERS RAWL CALK-IN W/ 7/8" EMBEDMENT & 1/4-20 STAINLESS STEEL MACHINE SCREW	48.0	12.5	12.5	12.5	12.5	10	12.5	4	12.5	12.5	6	9		9	9	4
	62.0	12.5	8	12.5	12.5	7	10	3	10	10	4	7		5	4	3
	72.0	12.5	6	12.5	12.5	6	9		9	8	4	6		3	3	
	92.0	12	3	12	10	5	7		5	3	3	5				
	230.0	4					4					4				
1/4"ø POWERS RAWL ZAMAC NAIL-IN W/ 1-1/8" MIN. EMBEDMENT	48.0	12.5	12.5	12.5	12.5	9	10	3	10	10	5	7		7	7	4
	62.0	12.5	6	12.5	12.5	7	8		8	8	4	5		4	3	3
	72.0	11	4	11	11	6	6		6	6	3	4				
	92.0	9		9	9	5	5		3			3				
	230.0	3					3					3				
1/4"ø ITW RED HEAD DYNABOLT SLEEVE ANCHOR W/ 1-1/8" MIN. EMBED	48.0	12.5	12	12.5	12.5	7	8	3	8	8	4	6		5	5	3
	62.0	11	5	11	11	6	6		6	6	3	4		3		
	72.0	9	3	9	9	5	5		5	5	3	4				
	92.0	7		7	7	4	4		3			3				
	230.0	3														
* 1/4-20 ITW EPCON EPOXY ANCHOR W/ S.S. MACHINE SCREW W/ 3" MIN. EMBED	48.0	12.5	12.5	12.5	12.5	12.5	12.5	10	12.5	12.5	12.5	12.5	6	12.5	12.5	10
	62.0	12.5	12.5	12.5	12.5	12.5	12.5	7	12.5	12.5	11	12.5	4	12.5	9	8
	72.0	12.5	12.5	12.5	12.5	12.5	12.5	5	12.5	12.5	9	12.5	3	8	5	6
	92.0	12.5	8	12.5	12.5	12.5	12.5	3	11	8	7	11		5	4	5
	230.0	10		4	4	5	10		4	3	4	10		4	3	4

EXISTING STRUCTURE: HOLLOW CONCRETE BLOCK — 3" EDGE DISTANCE

ANCHOR TYPE	LOAD (W) PSF MAX. (SEE NOTE 1)	SPANS UP TO 5'-0" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5	SPANS UP TO 8'-5" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5	SPANS UP TO 12'-0" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5
1/4"ø ITW TAPCON W/ 1-1/4" MIN. EMBEDMENT	48.0	12.5	12.5	12.5	12.5	11	12	4	12	12	6	8		8	8	4
	62.0	12.5	7	12.5	12.5	8	9		9	9	5	6		5	3	3
	72.0	12.5	5	12.5	12.5	7	8		8	7	4	5		3		3
	92.0	10	3	10	10	5	6		4	3	3	4				
	230.0	4					4					4				
* 1/4"ø ELCO MALE/FEMALE "PANELMATE"	48.0	12.5	12.5	12.5	12.5	12.5	12.5	5	12.5	12.5	8	11	3	11	11	5
	62.0	12.5	10	12.5	12.5	10	12	3	12	12	6	8		7	5	4
	72.0	12.5	7	12.5	12.5	9	10	3	10	9	5	7		4	3	3
	92.0	12.5	4	12.5	12.5	7	8		6	4	4	6				
	230.0	5					5					5				
* 1/4"ø POWERS RAWL CALK-IN	48.0	12.5	12.5	12.5	12.5	12.5	12.5	5	12.5	12.5	9	12	3	12	12	6
	62.0	12.5	10	12.5	12.5	11	12.5	3	12.5	12.5	7	9		7	5	4
	72.0	12.5	7	12.5	12.5	10	11	3	11	10	6	8		4	3	4
	92.0	12.5	4	12.5	12.5	8	9		6	4	4	6				3
	230.0	6				3	5				3	5				3
1/4"ø POWERS RAWL ZAMAC NAIL-IN	48.0	12.5	12.5	12.5	12.5	11	11	4	11	11	6	8		8	8	4
	62.0	12.5	7	12.5	12.5	8	9		9	9	5	6		5	3	3
	72.0	12.5	5	12.5	12.5	7	7		7	7	4	5		3		3
	92.0	10	3	10	10	6	6		4	3	3	4				
	230.0	4					3					3				
1/4"ø ITW RED HEAD DYNABOLT SLEEVE ANCHOR	48.0	12.5	12.5	12.5	12.5	11	11	3	11	11	6	7		7	7	4
	62.0	12.5	6	12.5	12.5	8	8		8	8	5	6		4	3	3
	72.0	12	4	12	12	7	7		7	6	4	5		3		3
	92.0	9	3	9	9	5	5		4	3	3	4				
	230.0	3					3					3				
* 1/4-20 ITW EPCON EPOXY ANCHOR	48.0	12.5	12.5	12.5	12.5	12.5	12.5	10	12.5	12.5	12.5	12.5	5	12.5	12.5	10
	62.0	12.5	12.5	12.5	12.5	12.5	12.5	7	12.5	12.5	11	12.5	4	12.5	9	8
	72.0	12.5	12.5	12.5	12.5	12.5	12.5	5	12.5	12.5	9	12.5	3	8	6	6
	92.0	12.5	8	12.5	12.5	12.5	12.5	3	11	8	7	11		5	4	5
	230.0	10		4	4	5	10		4	3	4	10		4	3	4

SEE PAGE 6 FOR ANCHOR NOTES

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KNEZEVICH & ASSOCIATES, INC.
20 GA. STEEL STORM PANEL

ANCHOR SCHEDULE

FASTENER MAXIMUM SPACING (INCHES) REQUIRED FOR VARIOUS DESIGN LOADS AND SPANS

EXISTING STRUCTURE: CONCRETE — 2" EDGE DISTANCE

ANCHOR TYPE	LOAD (W) PSF MAX. (SEE NOTE 1)	SPANS UP TO 5'-0" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5	SPANS UP TO 8'-5" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5	SPANS UP TO 12'-0" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5
1/4"ø ITW TAPCON W/ 1-1/4" MIN. EMBEDMENT (MIN. 3,000 P.S.I. CONCRETE)	48.0	12.5	12.5	12.5	12.5	12.5	12.5	7	12.5	12.5	9	12.5	3	12.5	12.5	5
	62.0	12.5	12	12.5	12.5	12	12.5	4	12.5	12.5	7	10		9	9	[illegible]
	72.0	12.5	8	12.5	12.5	10	12.5	3	12.5	12	6	9		5	[illegible]	[illegible]
	92.0	12.5	5	12.5	12.5	8	10		7	5	4	7		3		3
	230.0	7		3		3	6				3	5				3
* 1/4"ø ELCO MALE/FEMALE "PANELMATE" W/ 1-1/4" MIN. EMBEDMENT & 1/4-20 MACHINE SCREW WITH NUT (MIN. 3,000 P.S.I. CONCRETE)	48.0	12.5	12.5	12.5	12.5	11	12.5	5	12.5	12.5	7	11	3	11	11	4
	62.0	12.5	9	12.5	12.5	9	12	3	12	12	5	8		6	5	3
	72.0	12.5	7	12.5	12.5	7	10		10	9	4	7		4	3	3
	92.0	12.5	4	12.5	12.5	6	8		6	4	3	6				
	230.0	5					5					5				
* 1/4"ø POWERS RAWL CALK-IN W/ 7/8" EMBEDMENT & 1/4-20 STAINLESS STEEL MACHINE SCREW (MIN. 3,000 P.S.I. CONCRETE)	48.0	12.5	12.5	12.5	12.5	12.5	12.5	11	12.5	12.5	10	12.5	5	12.5	12.5	[illegible]
	62.0	12.5	12.5	12.5	12.5	12.5	12.5	7	12.5	12.5	8	12.5	4	12.5	10	3
	72.0	12.5	12.5	12.5	12.5	11	12.5	6	12.5	12.5	7	12.5	3	9	7	[illegible]
	92.0	12.5	9	12.5	12.5	9	12.5	4	12	9	5	12		5	[illegible]	[illegible]
	230.0	11		5	4	3	10		4	3	3	10		4	3	[illegible]
1/4"ø POWERS RAWL ZAMAC NAIL-IN W/ 1-1/8" MIN. EMBEDMENT (MIN. 3,000 P.S.I. CONCRETE)	48.0	12.5	12.5	12.5	12.5	12.5	12.5	5	12.5	12.5	[illegible]	11	3	[illegible]	[illegible]	5
	62.0	12.5	10	12.5	12.5	10	12	3	12	12	5	8		[illegible]	5	[illegible]
	72.0	12.5	7	12.5	12.5	9	10		10	9	5	7		[illegible]	[illegible]	
	92.0	12.5	4	12.5	12.5	6	8		5	[illegible]	[illegible]	5				
	230.0	5					5					5				
1/4"ø ITW RED HEAD DYNABOLT SLEEVE ANCHOR W/ 1-1/8" MIN. EMBED (MIN. 2,500 P.S.I. CONCRETE)	48.0	12.5	12.5	12.5	12.5	12.5	12.5	7	12.5	12.5	9	12.5	4	12.5	12.5	[illegible]
	62.0	12.5	12.5	12.5	12.5	10	12.5	4	12.5	12.5	6	11		9	5	[illegible]
	72.0	12.5	9	12.5	12.5	9	12.5	3	12.5	12	5	9		6	[illegible]	3
	92.0	12.5	5	12.5	12.5	7	11		8	5	[illegible]	[illegible]		3	3	
	230.0	7		3			[illegible]		3			[illegible]				
1/4"ø POWERS RAWL DROP-IN & 1/4-20 SIDEWALK BOLT (3/4"ø HEAD) W/ 1" MIN. EMBEDMENT (MIN. 2,500 P.S.I. CONCRETE)	48.0	12.5	12.5	12.5	12.5	12.5	12.5	10	12.5	12.5	10	12.5	5	12.5	12.5	[illegible]
	62.0	12.5	12.5	12.5	12.5	12.5	12.5	7	12.5	12.5	7	12.5	4	12.5	9	[illegible]
	72.0	12.5	12.5	12.5	12.5	11	12.5	5	12.5	12.5	6	12.5	3	8	5	[illegible]
	92.0	12.5	8	12.5	12.5	8	12.5	4	11	8	5	11		5	[illegible]	[illegible]
	230.0	10		4	4	3	10		4	3	3	10		4	3	[illegible]

EXISTING STRUCTURE: CONCRETE — 3" EDGE DISTANCE

ANCHOR TYPE	LOAD (W) PSF MAX. (SEE NOTE 1)	SPANS UP TO 5'-0" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5	SPANS UP TO 8'-5" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5	SPANS UP TO 12'-0" (SEE NOTE 1) CONNECTION TYPE 1	2	3	4	5
1/4"ø ITW TAPCON	48.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	62.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12	3	[illegible]	[illegible]	[illegible]
	72.0	[illegible]	[illegible]	[illegible]	[illegible]	12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10	[illegible]	[illegible]	5	[illegible]
	92.0	12.5	5	12.5	12.5	10	[illegible]	[illegible]	8	5	5	8	[illegible]	3	3	[illegible]
	230.0	[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	3	[illegible]	3	[illegible]	[illegible]	3	[illegible]	[illegible]
* 1/4"ø ELCO MALE/FEMALE "PANELMATE"	48.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]	3	[illegible]	[illegible]	[illegible]
	62.0	[illegible]	[illegible]	[illegible]	[illegible]	10	12	3	12	12	6	8	[illegible]	[illegible]	[illegible]	[illegible]
	72.0	[illegible]	[illegible]	[illegible]	[illegible]	9	10	[illegible]	[illegible]	[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	92.0	[illegible]	[illegible]	[illegible]	[illegible]	7	8	[illegible]	5	[illegible]	[illegible]	6	[illegible]	[illegible]	[illegible]	[illegible]
	230.0	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]
* 1/4"ø POWERS RAWL CALK-IN	48.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12.5	8	12.5	12.5	[illegible]
	62.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12.5	5	12.5	12.5	[illegible]
	72.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	12.5	[illegible]	[illegible]	[illegible]	[illegible]
	92.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	12.5	[illegible]	[illegible]	[illegible]	[illegible]
	230.0	[illegible]	[illegible]	6	3	5	[illegible]	[illegible]	[illegible]	[illegible]	5	12.5	[illegible]	[illegible]	[illegible]	[illegible]
1/4"ø POWERS RAWL ZAMAC NAIL-IN	48.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9	12	3	12	[illegible]	[illegible]
	62.0	[illegible]	[illegible]	[illegible]	[illegible]	12	12.5	[illegible]	[illegible]	[illegible]	7	9	[illegible]	[illegible]	[illegible]	[illegible]
	72.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	8	[illegible]	[illegible]	[illegible]	[illegible]
	92.0	[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]	5	5	[illegible]	[illegible]	[illegible]	[illegible]
	230.0	[illegible]	[illegible]	[illegible]	[illegible]	3	5	[illegible]	[illegible]	[illegible]	3	5	[illegible]	[illegible]	[illegible]	[illegible]
1/4"ø ITW RED HEAD DYNABOLT SLEEVE ANCHOR	48.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12	12.5	5	12.5	[illegible]	[illegible]
	62.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9	12.5	3	[illegible]	4	[illegible]
	72.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	12	3	[illegible]	[illegible]	[illegible]
	92.0	[illegible]	[illegible]	[illegible]	[illegible]	11	12.5	[illegible]	[illegible]	[illegible]	5	9	[illegible]	[illegible]	3	[illegible]
	230.0	4	[illegible]	[illegible]	[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]
1/4"ø POWERS RAWL DROP-IN & 1/4-20 SIDEWALK BOLT	48.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12.5	[illegible]	12.5	[illegible]	[illegible]
	62.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12.5	8	[illegible]	[illegible]	12	12.5	5	12.5	[illegible]	4
	72.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12.5	[illegible]	[illegible]	[illegible]	10	12.5	[illegible]	[illegible]	9	[illegible]
	92.0	[illegible]	[illegible]	12.5	12.5	[illegible]	12.5	[illegible]	[illegible]	[illegible]	9	12.5	3	[illegible]	5	[illegible]
	230.0	[illegible]	3	5	5	5	12	[illegible]	[illegible]	[illegible]	5	12	[illegible]	5	[illegible]	[illegible]

SEE PAGE 6 FOR ANCHOR NOTES

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
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KNEZEVICH & ASSOCIATES, INC.
20 GA. STEEL STORM PANEL

ASCE 7-88, 7-93 DESIGN LOADS FOR COMPONENTS & CLADDINGS
BUILDINGS WITH A MEAN ROOF HEIGHT ≤ 60 FT.

ROOF SLOPE, θ > 10°

DESIGN WIND LOADS (PSF) TRIB. AREA < 20 SQ. FT. COASTAL OR NON-COASTAL BUILDING ZONES			
MEAN ROOF HEIGHT	POSITIVE Zone(4) & (5)	NEGATIVE Int. Zone(4)	NEGATIVE End Zone(5)
0-15	45.1	-47.9	-51.3
> 15-20	[illegible]	[illegible]	-66.8
> 20-25	[illegible]	[illegible]	-71.2
> 25-30	[illegible]	[illegible]	-75.8
> 30-40	[illegible]	[illegible]	-81.4
> 40-50	63.7	[illegible]	[illegible]
> 50-60	67.1	-71.1	-91.4

DESIGN WIND LOADS (PSF) TRIB. AREA ≥ 20 SQ. FT. COASTAL OR NON-COASTAL BUILDING ZONES			
MEAN ROOF HEIGHT	POSITIVE Zone(4) & (5)	NEGATIVE Int. Zone(4)	NEGATIVE End Zone(5)
0-15	42.2	[illegible]	-57.2
> 15-20	46.9	[illegible]	-62.1
> 20-25	[illegible]	-53.1	-66.2
> 25-30	[illegible]	[illegible]	[illegible]
> 30-40	57.2	-60.2	-75.7
> 40-50	60.9	-64.8	-86.7
> 50-60	64.2	-68.2	[illegible]

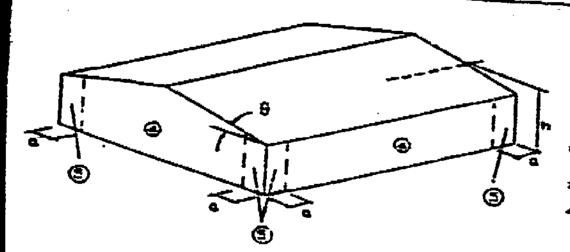
DESIGN WIND LOADS (PSF) TRIB. AREA ≥ 50 SQ. FT. COASTAL OR NON-COASTAL BUILDING ZONES			
MEAN ROOF HEIGHT	POSITIVE Zone(4) & (5)	NEGATIVE Int. Zone(4)	NEGATIVE End Zone(5)
0-15	[illegible]	-43.4	-51.4
> 15-20	[illegible]	-47.1	[illegible]
> 20-25	47.0	-50.2	-59.5
> 25-30	49.5	[illegible]	[illegible]
> 30-40	[illegible]	-57.4	[illegible]
> 40-50	57.3	-61.2	-72.5
> 50-60	[illegible]	-64.4	-76.4

ROOF SLOPE, θ ≤ 10°

DESIGN WIND LOADS (PSF) TRIB. AREA < 20 SQ. FT. COASTAL OR NON COASTAL BUILDING ZONES			
MEAN ROOF HEIGHT	POSITIVE Zone(4) & (5)	NEGATIVE Int. Zone(4)	NEGATIVE End Zone(5)
0-15	41.3	[illegible]	-55.1
> 15-20	44.8	-47.5	[illegible]
> 20-25	47.8	[illegible]	-64.9
> 25-30	[illegible]	[illegible]	[illegible]
> 30-40	[illegible]	-57.9	-74.2
> 40-50	[illegible]	-61.7	-79.1
> 50-60	61.4	[illegible]	[illegible]

DESIGN WIND LOADS (PSF) TRIB. AREA ≥ 20 SQ. FT. COASTAL OR NON-COASTAL BUILDING ZONES			
MEAN ROOF HEIGHT	POSITIVE Zone(4) & (5)	NEGATIVE Int. Zone(4)	NEGATIVE End Zone(5)
0-15	39.6	[illegible]	-52.1
> 15-20	42.9	-45.6	-55.6
> 20-25	[illegible]	-48.6	-60.3
> 25-30	[illegible]	-51.2	[illegible]
> 30-40	52.4	[illegible]	[illegible]
> 40-50	55.8	[illegible]	-73.6
> 50-60	[illegible]	-62.4	-77.5

DESIGN WIND LOADS (PSF) TRIB. AREA ≥ 50 SQ. FT. COASTAL OR NON-COASTAL BUILDING ZONES			
MEAN ROOF HEIGHT	POSITIVE Zone(4) & (5)	NEGATIVE Int. Zone (4)	NEGATIVE End Zone(5)
0-15	37.2	-39.7	[illegible]
> 15-20	40.4	-43.1	[illegible]
> 20-25	43.1	[illegible]	[illegible]
> 25-30	[illegible]	[illegible]	-57.2
> 30-40	[illegible]	-52.6	-62.1
> 40-50	52.5	[illegible]	-66.2
> 50-60	[illegible]	[illegible]	[illegible]



NOTES:

PROFESSIONAL ENGINEER

ASCE WIND LOADS COMPONENTS & CLADDINGS

BUILDINGS ≤ 60 FT.

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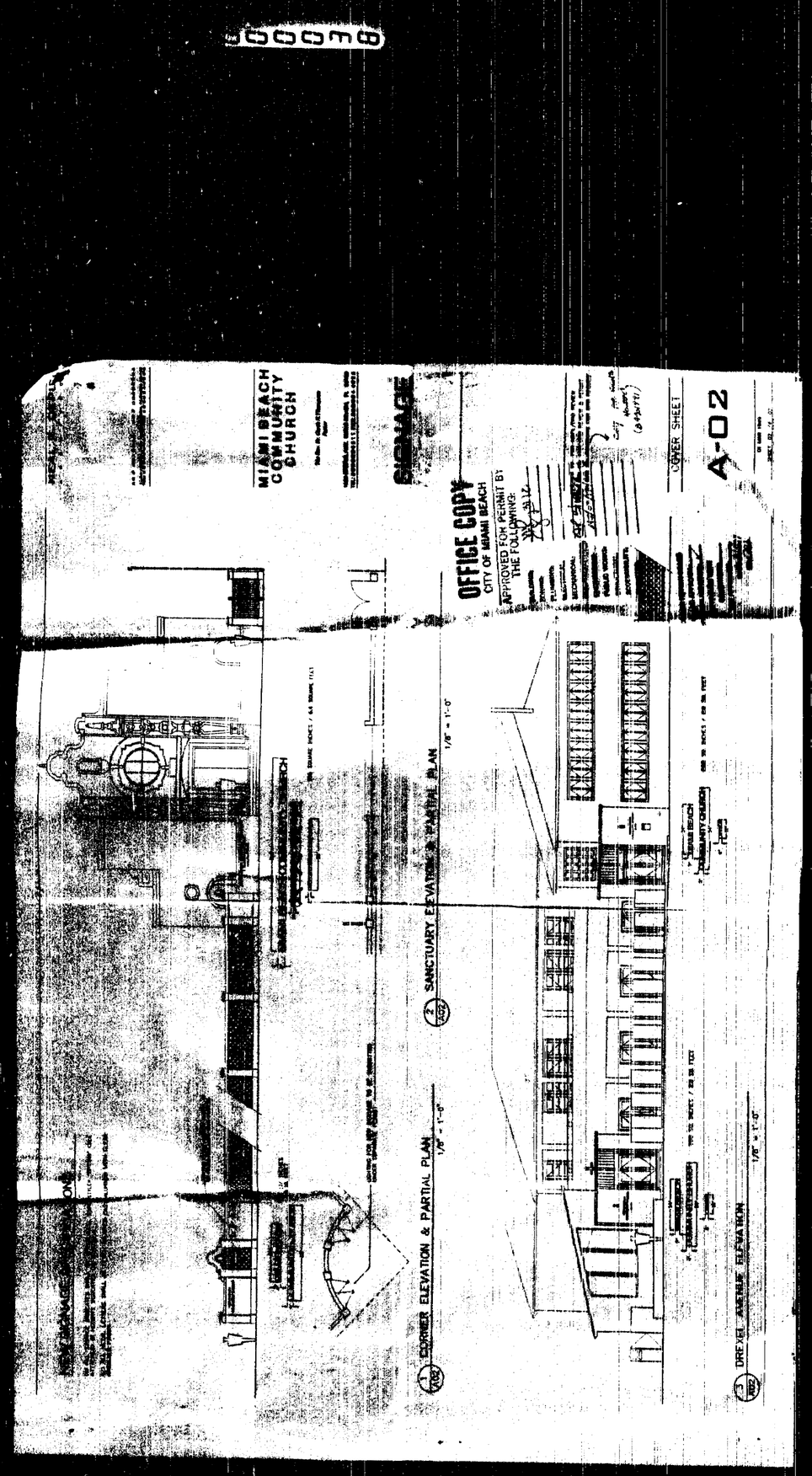
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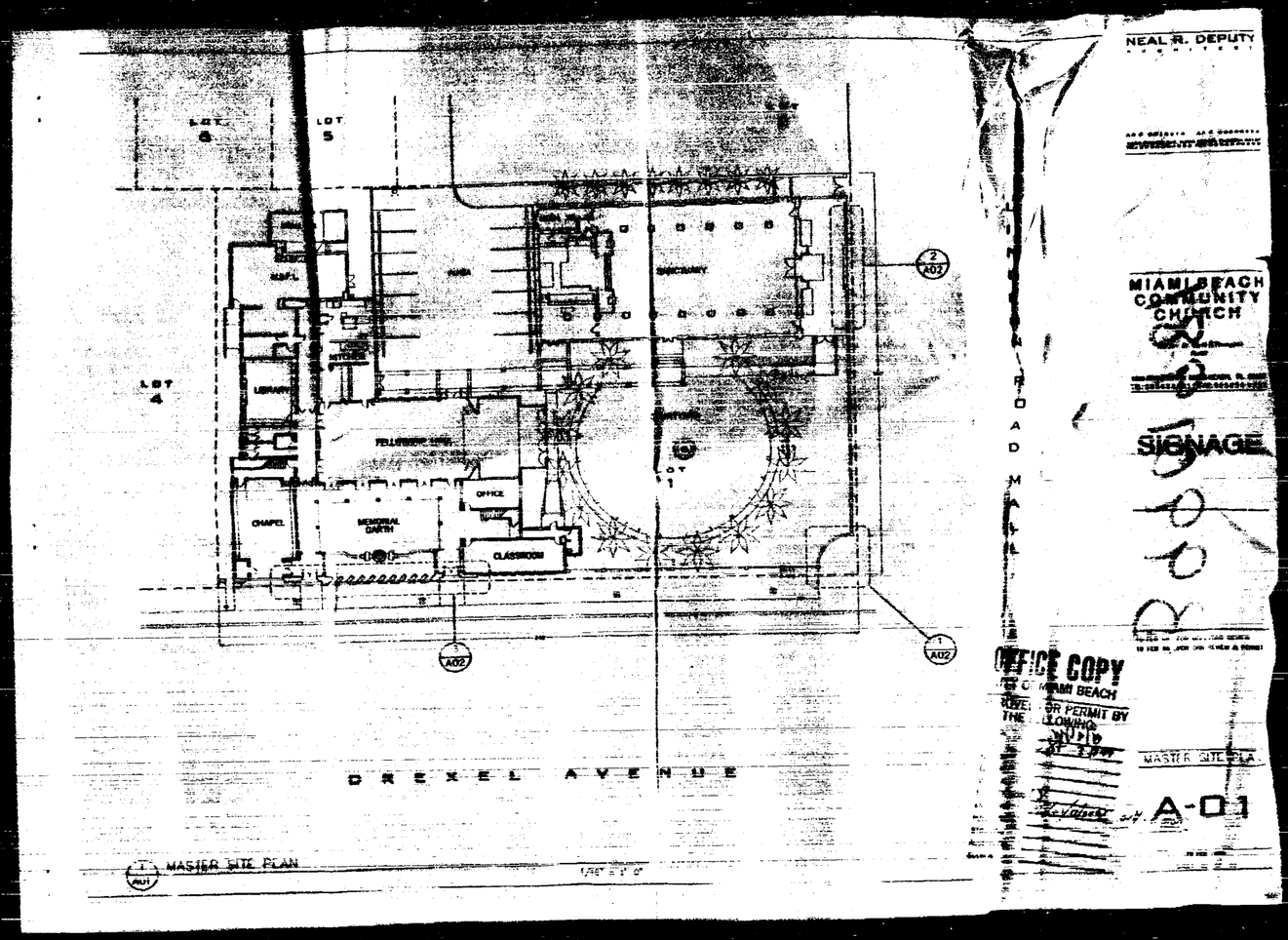
3 A02 DREXEL AVENUE ELEVATION 1/8" = 1'-0"



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