



MIAMI BEACH

BUILDING DEPARTMENT
1700 Convention Center Drive, 2nd Floor
Miami Beach, Florida 33139

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

NEW CONSTRUCTION & ALTERATIONS AND REPAIRS
ARCHITECTURAL/ENGINEERING AFFIDAVIT FOR JOB VALUE AND TOTAL GROSS SQUARE FOOTAGE

Date: 1/2/08
Permit Number: B0800593
Project Description: NEW HANDICAP LAMPS & ATM/NIGHT PROPERLY
Owner: Wachovia Bank
Architect and/or Engineering Firm: Elements Architects
Name of Architect or Engineer of Record: Lourdes Echemendia
Address of Architect / Engineering Firm: 1699 Coral Way, Suite 503, Miami, FL 33145
Contact Number: 305.858.5858

Part One: Architect / Engineer Affidavit:

Lourdes Echemendia for
Elements Architects as the Architect / Engineer of Record for the project covered under the permit listed above, certify the following:

Total Gross Floor Area of New Construction: _____

Total Gross Floor Area of Alteration / Repair: _____

☐ Single Family Homes, Duplexes, and Areas within Residential Condo unit.

☒ Multi-Family, Commercial, and Industrial

997 Sq. Ft.

Total Estimated Construction Cost * for New Construction: _____

Total Estimated Construction Cost* for Alteration / Repair: _____

\$125,000

Definitions:

Total Gross Floor Area: The floor area within the inside perimeter of the exterior walls of the building under consideration, exclusive of vent shafts and courts, without deduction for corridors, stairways, closets, the thickness of interior walls, columns or other features. The floor area of a building or portion thereof not provided with surrounding exterior walls shall be the usable area under the horizontal projection of the roof or floor above. The gross floor area shall not include shafts with no openings or interior courts.

Lourdes Echemendia
Signature of Architect/Engineer

STATE OF FLORIDA

COUNTY OF DADE

Sworn to and subscribed 2 day of JANUARY

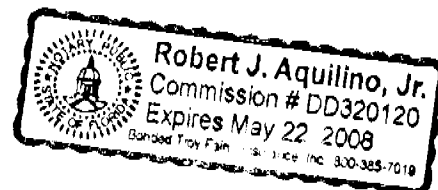
2008 by: Lourdes Echemendia

☒ Personally known to me; ☐ or Procured Identification

Type of Identification: _____

☐ DID TAKE OATH ☐ DID NOT TAKE OATH

[Signature]
Signature of Notary Public

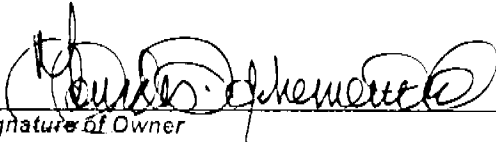


**Note: It is the intention of the City of Miami Beach to use the Architect's Estimate of Construction Cost as a "Good Faith" estimate for the purpose of calculating the initial permit fee. The City agrees to hold the Architect and/or Owner harmless from any liability, professional or otherwise due to any difference in the Architect's estimate of construction cost and the final construction cost as submitted by the Owner and/or Contractor at the time of Completion. The Owner will be responsible to pay the City of Miami Beach any difference between the permit fee based on the construction cost and/or square footage submitted with the original permit application and the permit fee based on the final construction cost including general conditions and/or square footage as certified by the Owner, Architect and Contractor on the most current "AIA Document G702" Application for Payment approved at the time the application for the Certificate of Occupancy (CO) or Certificate of Completion (CC) is submitted to the Building Department.*

Part Two: Owner Affidavit:

I, Lourdes Echemendia, am the Owner of the property undergoing an improvement as described in the permit above. I understand that at the time the Contractor submits the application for a Certificate of Occupancy (CO) or Certificate of Completion (CC), I will be required to submit to the City of Miami Beach Building Department proof of final payment. Proof of Final Payment is considered to be the most current "AIA Document G702" Application for Payment approved at the time the application for the Certificate of Occupancy (CO) or Certificate of Completion (CC) is submitted to the Building Department.

I understand that as the Owner of said property and improvement, I am responsible to pay the City of Miami Beach any difference between the permit fee based on the construction cost and/or square footage submitted with the original permit application and the permit fee based on the final construction cost including general conditions and/or final square footage as certified by the Owner, Architect and Contractor on the most current "AIA Document G702" Application for Payment approved at the time the application for the Certificate of Occupancy (CO) or Certificate of Completion (CC) is submitted to the Building Department.


Signature of Owner

STATE OF FLORIDA

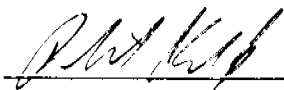
COUNTY OF DADE

Sworn to and subscribed 12 day of January
2008 by: Lourdes Echemendia

☒ Personally known to me: ☐ or Procured Identification

Type of Identification: _____

☐ DID TAKE OATH ☐ DID NOT TAKE OATH



Signature of Notary Public



Part Three: Contractor Affidavit:

I AFIF CHANDLER am the Qualifier / General Contractor under contract with WACHovia Bank Owner of the property undergoing an improvement as described in the permit above.

I certify that the total contract value, including all change orders and all permit revisions under PERMIT # BOB 00 513 is \$ 125,000.00.

I understand that at the time AFIF CHANDLER (Qualifier / Contractor) submits the application for a Certificate of Occupancy (CO) or Certificate of Completion (CC), I will be required to submit to the City of Miami Beach Building Department proof of final payment. Proof of Final Payment is considered to be the most current "AIA Document G702" Application for Payment approved at the time the application for the Certificate of Occupancy (CO) or Certificate of Completion (CC) is submitted to the Building Department.

At that time, the Owner is responsible to pay the City of Miami Beach any difference between the permit fee based on the construction cost and/ or square footage submitted with the original permit application and the permit fee based on the final construction cost including general conditions and/or final square footage as certified by the Owner, Architect and Contractor on the most current "AIA Document G702" Application for Payment approved at the time the application for the Certificate of Occupancy (CO) or Certificate of Completion (CC) is submitted to the Building Department.

The City of Miami Beach reserves the right to request G706 Contractor's Affidavit of Debts and Claims after the issuance of CO.


Signature of Qualifier / Contractor

STATE OF FLORIDA

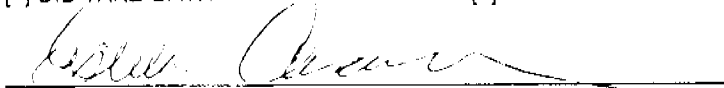
COUNTY OF DADE

Sworn to and subscribed 2 day of June
2008, by: AFIF CHANDLER

☒ Personally known to me: ☐ or Procured Identification

Type of Identification: _____

☐ DID TAKE OATH ☐ DID NOT TAKE OATH


Signature of Notary Public



ESTELA CASANOVA
MY COMMISSION # DD 595434
EXPIRES September 18 2010
Bonded Thru Budget Notary Services



Structural Engineers
12924 S.W. 114 Court
Miami, Florida 33176
Phone (786) 236-4712
Fax (305) 255-1729
e-mail Timmonsdt@aol.com
CA#00005743

Douglas B. Timmons, P.E.
FL PE #39259

Client: ELEMENTS

Sheet: 1 of

Project: WATERWAY ALUM. POND

Date: 9/18/07

Engr: DT

LOADS

3" SLAB 100 PSF
L.L. 100 PSF

SIZE GIR

WATER CRUS S=12'-0"

$$W = [1.4(100) + 1.7(100)]S + \overset{W_{dead}}{.2}(1.4) + \overset{P_{min}}{1.5}(1.5)1.4 = 2.44 \text{ klf}$$

$$M = \frac{2.44(12)^2}{10} = 35.1 \text{ k} \quad \Delta_o = \frac{35.1}{4(15)} = .58 \text{ ft}^2 \quad 3\#_o = 1.32 \text{ ft}^2$$

$$V_w = 6(2.44) = 14.6 \text{ k} \quad V_c = \frac{18(15)2\sqrt{F_{con}}}{1000} = 38.2 \text{ k} \quad \#3 @ 8" \text{ OK}$$

USE 18" X 18"
W/ 3\# @ 8"
4\# @ 8" @ 8"

CK SLAB

S=10'-0"

$$W_w = 1.4(100) + 1.7(100) = .31 \text{ klf}$$

$$M_w = \frac{.31(10)^2}{10} = 3.1 \text{ k} \quad \Delta_o = \frac{3.1}{4(15)} = .16 \text{ ft}^2 \text{ / ft} \quad \#3 @ 8" = .21 \text{ ft}^2 \text{ / ft}$$

DOUGLAS B. TIMMONS
FL P.E. #39259

SEP 18 2007

USE 8" SLAB W/ 3\# @ 8"
PORT 4\# TOP AS SHOWN

CORNERSTONE ENGINEERING PARTNERSHIP



Structural Engineers
12924 S.W. 114 Court
Miami, Florida 33176
Phone (786) 236-4712
Fax (305) 253-1729
e-mail: Timmonsdt@aol.com
CA#00005743

Douglas B. Timmons, P.E.
FL PE #39259

• Client: ELEMENTS

Sheet: 2 of

• Project: HAENOVA ATRAPO

Date 9/12/01

•

Engr: DT

•

•

CK FILE

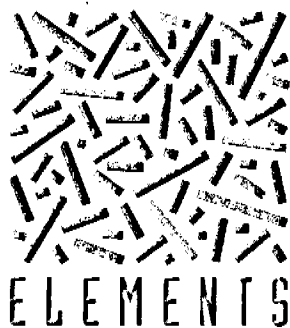
$$\Delta = 7.5(9) \cdot 2 + .15(1.5)^2(9) = 16.2K$$

IS TOU OK

DOUGLAS B. TIMMONS

FL P.E. # 39259

SEP 18 2007



ARCHITECT • ENGINEER • INTERIOR DESIGNER

December 13, 2007

City of Miami Beach
Building Department
1700 Convention Center Drive
Miami Beach, Florida 33139

Re: Wachovia – Alton Road
1901 Alton Road, Miami Beach, Florida
Permit # B0800593

RESPONSE TO COMMENTS

Building Section Comments

Item 1

Attach an Architectural/Engineering Affidavit for job value and total gross square footage.

Response

Shall be provided.

Item 2

Classify scope and type of work according to Chapter 3 (FBC(E) 301.1)

Response

The information has been noted on the Cover Sheet. See the Revised Cover Sheet.

Item 3

Define level of alteration. (FBC(E) 301.5)

Response

The information has been noted on the Cover Sheet. See the revised Cover Sheet.

ELEMENTS

ARCHITECTS INTERIORDISIGNING

00000000000000000000

City of Miami Beach,
Wachovia – Alton Road
Response to Building Dept. Cmts.
Page 2 of 4

Item 4

Remove unnecessary information from plans.

Response

We have clarified the drawings to the greatest extent possible. Information that was included as standard reference has been removed. Refer to revised drawing Sheets A0.0, A1.0, A1.1, A1.2 and A5.1.

Item 5

Show and elevation at each surface.

Response

Elevation marks have been placed on the Floor Plan. Refer to revised Sheet A1.0 for the information requested.

Item 6

Provide a cross section showing handrail and/or guardrail compliance (FBC 1009.11; FBC 1618) Show a 1-1/2" dimension from top of bracket to bottom of rail.

Response

Refer to new detail 4/A5.1 on Revised Sheet A5.1. This detail as shown satisfies the requirements of both FBC Chapter 11 requirements and those of the FFPC/NFPA 101 Section 7.2.2.4.4.5. Note also that General Note 5 has been added on Sheet A1.1 for compliance w/ FBC 1618.4.6.

Fire Section Comments

Item 1

Clearly define scope of work on the drawings. Show all of the existing/new systems, structures, devices, etc.

Response

The Cover Sheet has been modified to include a clearer Description of the Work. The Classification of the Work per FBC(E)301 has also be noted on the Cover Sheet. The graphic representation with the associated notes along with the applicable legend information serves to indicate existing and new systems.

ELEMENTS

ARCHITECTS • INTERIORS • DESIGN

City of Miami Beach,
Wachovia – Alton Road
Response to Building Dept. Cmts.
Page 3 of 4

Fire Section Comments (Continued)

Item 2

The plans must indicate the applicable codes with editions used in design (2004 Florida Fire Prevention and NFPA 101 Life Safety Code, 2003 Edition).

Response

The revised Cover Sheet has been modified to reference the codes as requested in Item 2.

Item 3

Guards and handrails on both sides shall be provided for ramps. Provide guards and handrail details for ramps.

Response

In accordance with FBC Section 1012.1 and NFPA 7.1.8 guards are required when the open sides exceed 30 inches above the floor or grade below. Please refer to Revised Sheet A1.1 for the applicable grade elevations. The landings and portions of the ramp are, at their maximum, 12" above the grade. Therefore handrails have been provided as opposed to guards.

Item 4

Ramps shall be in accordance with NFPA 101 7.2.2.

Response

The ramp as shown complies with NFPA 101, 7.2.2.

Item 5

Provide handrails with their proper extensions along with 3 steps or less need to be 13" min tread with their nosing striped.

Response

Refer to Revised Sheet A5.1 and new details 3/A5.1 and 5/A5.1. Section 3/A5.1 indicates the required extensions at the handrails. Section 5/A5.1 calls for stair nosings with an anti-slip abrasive texture and color safety yellow. Refer to Revised Sheet A1.1 for the revised tread dimensions. Treads have been modified to be 13".

ELEMENTS

ARCHITECTS - INTERIORS - DESIGNERS

City of Miami Beach,
Wachovia – Alton Road
Response to Building Dept. Cmts.
Page 4 of 4

Accessibility Section Comments

Item 1

Show ATM reachable ranges.

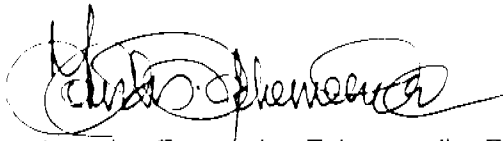
Response

Refer to revised Sheet A5.1 for the elevation of both the ATM and AHD equipment with the applicable heights.

Electrical Review Comments are addressed in the attached letter from the project Engineer.

We hope that you will find these responses to be satisfactory and should you have any questions please do not hesitate to contact us.

Sincerely,
Elements by,



Lourdes Fernandez Echemendia, R.A.
AR0014424
Project Architect

Cc: File

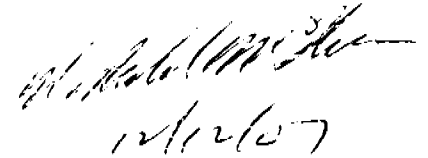


ARCHITECTURAL ENGINEERING INCORPORATED

3442 EAST LAKE ROAD, SUITE 320, PALM HARBOR, FLORIDA 34685-2406
VOICE 727/784-1472 FAX 727/789-1470 E-Mail: AEI@aol.com

December 12, 2007

Ms. Lourdes Echemendia
ELEMENTS ARCHITECTS, INC.
1699 S.W. Coral Way
Suite 503
Miami, FL 33145



12/12/07

Re: Wachovia – Alton Road, Miami, FL
EA Project No.: 07-080
AEI Project No.: 07141

Dear Ms. Echemendia:

This letter responds to Electrical comments from the City of Miami Beach Building Department, dated 11/30/07 (see attached).

A. Item: 00003 Electrical Section

Comment 1: Panel Schedules with all specifics.

Response: The Panel Schedule for existing Panel "A" has been added to the drawings with new and existing loads shown. See Drawing E1.0, dated Revision 1, 12/12/07.

Comment 2: Circuit numbers and existing load on circuits as well as load to be added to circuits.

Response: The circuit numbers and loads have been added to the drawings. See revised notes on Drawing E0.1, dated Revision 1, 12/12/07. See Revised Floor Plan on Drawing E1.0, dated Revision 1, 12/12/07.

Comment 3: Conductor size.

Response: The new conductor sizes have been indicated on Panel "A". See Drawing E1.0, dated Revision 1, 12/12/07.

Ms. Lourdes Echemendia
Wachovia – Alton Road, Miami, FL
December 12, 2007
Page 2 of 2

Comment 4: Fixture Schedule.

Response: The Lighting Fixture Schedule is shown on Drawing E0.1,
dated Revision 1, 12/12/07.

Please contact me if you have any questions.

ARCHITECTURAL ENGINEERING INCORPORATED

W. Ronald McIlveen, P.E.
Project Manager

WRM/dh

Attachment (1 page)

**CITY OF MIAMI BEACH
BUILDING DEPARTMENT****PLANS PROCESSING APPROVALS**

11-30-2007

ACTIVITY NUMBER: B0800593**SITE ADDRESS:** 1901 ALTON RD MBCH

LIST OF APPROVALS:

Item: 00001 Zoning Section

Item: 00002 Building Section

Item: 00070 Structural

Item: 00003 Electrical Section

11/30/2007 CAM Action: CO The following items must be shown on electrical plans:

1. Panels schedule with all specifics.

2. Circuit numbers and existing load on circuits as well as load to be added to circuits.

3. Conductor size.

4. Fixture schedule.

Item: 00005 Mechanical Section

Item: 00004 Plumbing Section

Item: 00007 Engineering Section

Item: 00009 Public Works Department

Item: 00006 Fire Section

Item: 00080 M. D. W. A. S. D

Item: 00023 Accessibility Section

Item: 00010 D.E.R.M. (Env Res Man)

Item: 00021 Dade County Impact fees?

Item: 00065 Elevator

Item: 00075 Valuation Verification

Item: 00016 Check Additional Approvals

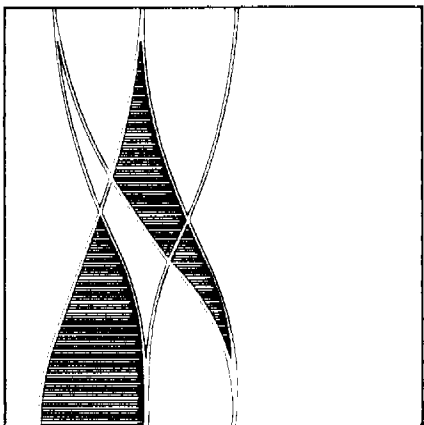
WACHOVIA - ALTON ROAD BRANCH
1901 ALTON ROAD
MIAMI BEACH, FLORIDA

CONSULTANTS

ARCHITECTURE:
ELEMENTS ARCHITECTS AND INTERIOR DESIGNERS
1699 CORAL WAY, SUITE 503
MIAMI, FLORIDA 33145
PHONE: 305-858-5858
FAX: 305-858-5850

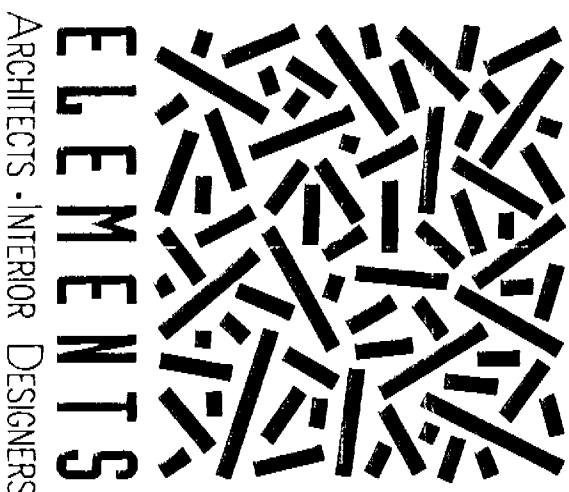
STRUCTURAL:
CORNERSTONE ENGINEERING PARTNERSHIP INC.
12924 SW 114TH COURT
MIAMI, FLORIDA 33176
PHONE: 786-236-4712
FAX: 305-255-1729

MECHANICAL/ELECTRICAL:
ARCHITECTURAL ENGINEERING, INC.
3442 EAST LAKE ROAD
PALM HARBOR, FLORIDA 34685
PHONE: 727-784-1472
FAX: 727-789-1470



WACHOVIA

DESCRIPTION OF WORK:	Construction of New Exterior ADA Ramp; Relocation of ATM & AHD Equipment; Minor Interior Remodel to Create a New ATM Room.
BUILDING CODES:	FLORIDA BUILDING CODE, 2004 EDITION 2004 FLORIDA FIRE PREVENTION CODE NFPA 101, LIFE SAFETY CODE, 2003 EDITION
BUILDING TYPE:	TYPE IIIB
CLASSIFICATION OF WORK:	ALTERATION - LEVEL 2
OCCUPANCY TYPE:	BUSINESS
OVERALL EXISTING BUILDING SQUARE FOOTAGE:	6,085 SF
OCCUPANT LOAD:	1 PERSON/100 S.F. GROSS (6,085 SF/100 SF = 61 PEOPLE)



ARCHITECTS - INTERIOR DESIGNERS
ELEMENTS
Tampa Office
The Edgewater Building
600 South Washington Avenue
Suite 150
Tampa, Florida 33605
Phone (813) 251-0867
Fax (813) 251-0867
Miami Office
1699 Coral Way, Suite 503
Miami, Florida 33145
Phone (305) 558-5858
Fax (305) 558-5850

SEPTEMBER 7, 2007
PROJECT NUMBER 07-080

DRAWINGS INDEX

COVER

ARCHITECTURAL

- A0.0 GENERAL INFORMATION, VICINITY MAP
- A0.1 AND SYMBOL LEGEND
- A0.1 SITE PLAN
- A1.0 DEMOLITION FLOOR PLAN
- A1.1 FLOOR PLAN
- A1.2 REFLECTED CEILING PLAN
- A5.1 WALL PARTITION AND DETAILS

STRUCTURAL

- S.1 GENERAL NOTES AND DRAWING INDEX
- S.2 FLOOR PLAN
- S.3 SECTIONS

MECHANICAL

- M1.0 MECHANICAL - PARTIAL FLOOR PLAN

ELECTRICAL

- EO.1 ELECTRICAL - LEGEND, SCHEDULES, NOTES
- E1.0 ELECTRICAL - PARTIAL FLOOR PLAN

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

48 HOURS PRIOR TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION
OF UNDERGROUND UTILITIES
SUBMERSE ONE-CALL 1-800-432-4270
CITY OF MIAMI BEACH 305-603-7000

PLAN REVIEWING
PHONE 305-673-7080 FAX 305-673-7080
THIS PLAN REVIEW CONSTITUTES APPROVAL FOR
ORDINANCE ENFORCEMENT PERMITS ONLY.
ALL INFORMATION IS FOR THE USE OF THE CITY OF MIAMI BEACH AND THE CITY OF MIAMI BEACH. THE CITY OF MIAMI BEACH AND THE CITY OF MIAMI BEACH SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CONTRACTOR.

12/3/07 - BUILDING DEPT COMPLETED

12-01-2008



EXTERIOR ADA RAMP AND MINOR
INTERIOR REMODEL

INTERIOR REMODEL

FLORIDA BUILDING CODE 2004 EDITION

6,085 SF

BUSINESS

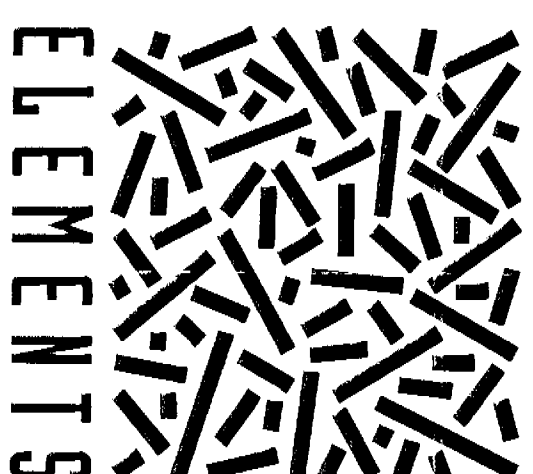
1 PERSON/100 S.F. GROSS (6,085

S.F./100 S.F. = 61 PEOPLE)

ELECTRICAL

EO.1 ELECTRICAL - LEGEND, SCHEDULES, NOTES

4d HOBAS PAPER TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION
OF UNDERGROUND UTILITIES
JANINE ONE CALL 1-800-432-4270
CITY OF MIAMI BEACH 305-673-7092



ARCHITECTS • INTERIOR DESIGNERS

Tampa Office
The Edgewater Building
600 South Magnolia Avenue
Suite 150
Tampa, Florida 33606
Phone (813) 251-0565
Fax (813) 251-0567

Miami Office
1699 Cord Way suite 500
Miami, Florida 33145
Phone (305) 856-5558
Fax (305) 856-5550

ELEMENTS State License #AA000234

SEPTEMBER 7, 2007
PROJECT NUMBER 07-080

DRAWINGS INDEX

COVER

ARCHITECTURAL

A0.0 GENERAL INFORMATION, VICINITY MAP
A0.1 AND SYMBOL LEGEND
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WALL PARTITION AND DETAILS

STRUCTURAL

S.1 GENERAL NOTES AND DRAWING INDEX
S.2 FLOOR PLAN
S.3 SECTIONS

MECHANICAL

M1.0 MECHANICAL - PARTIAL FLOOR PLAN

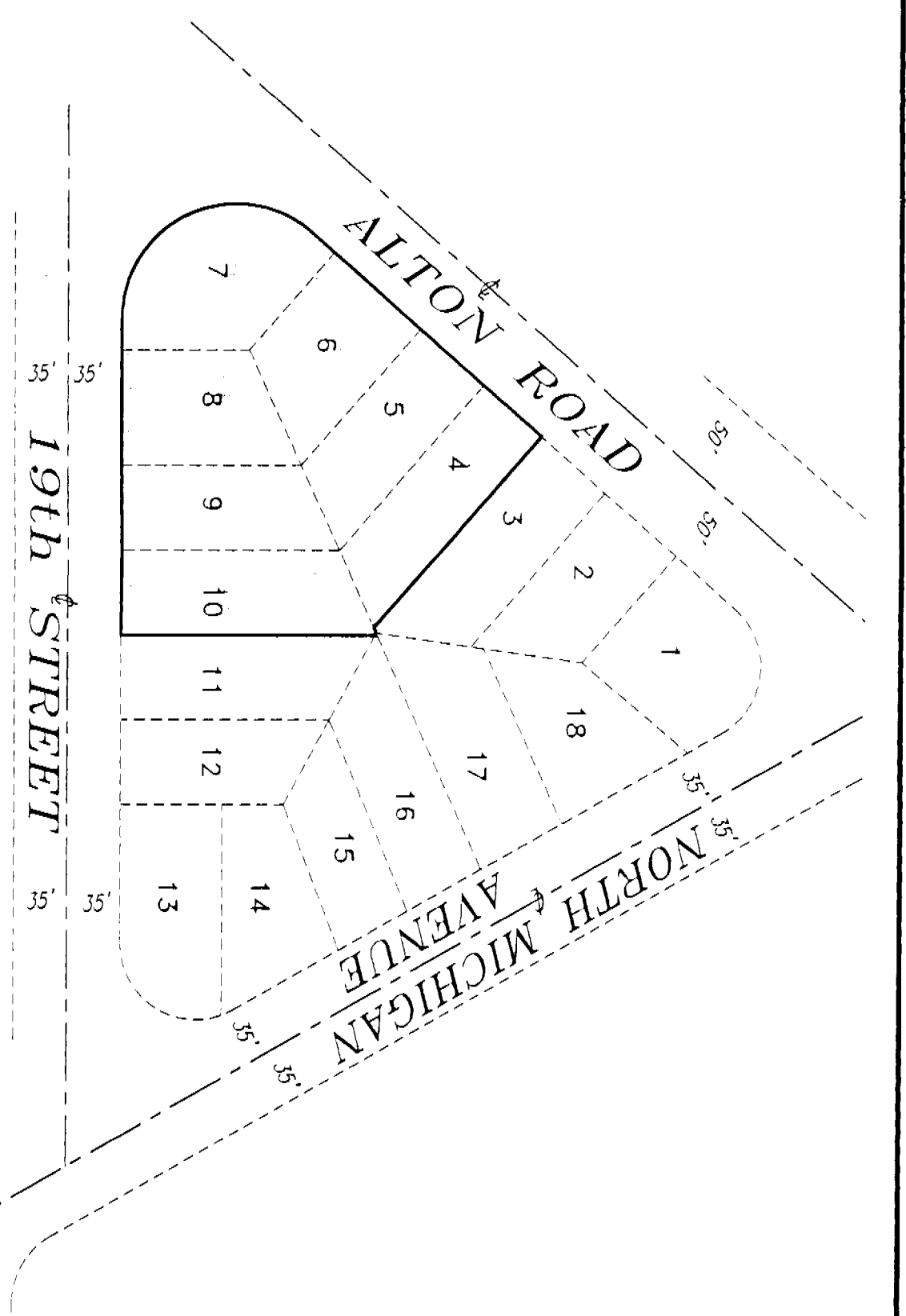
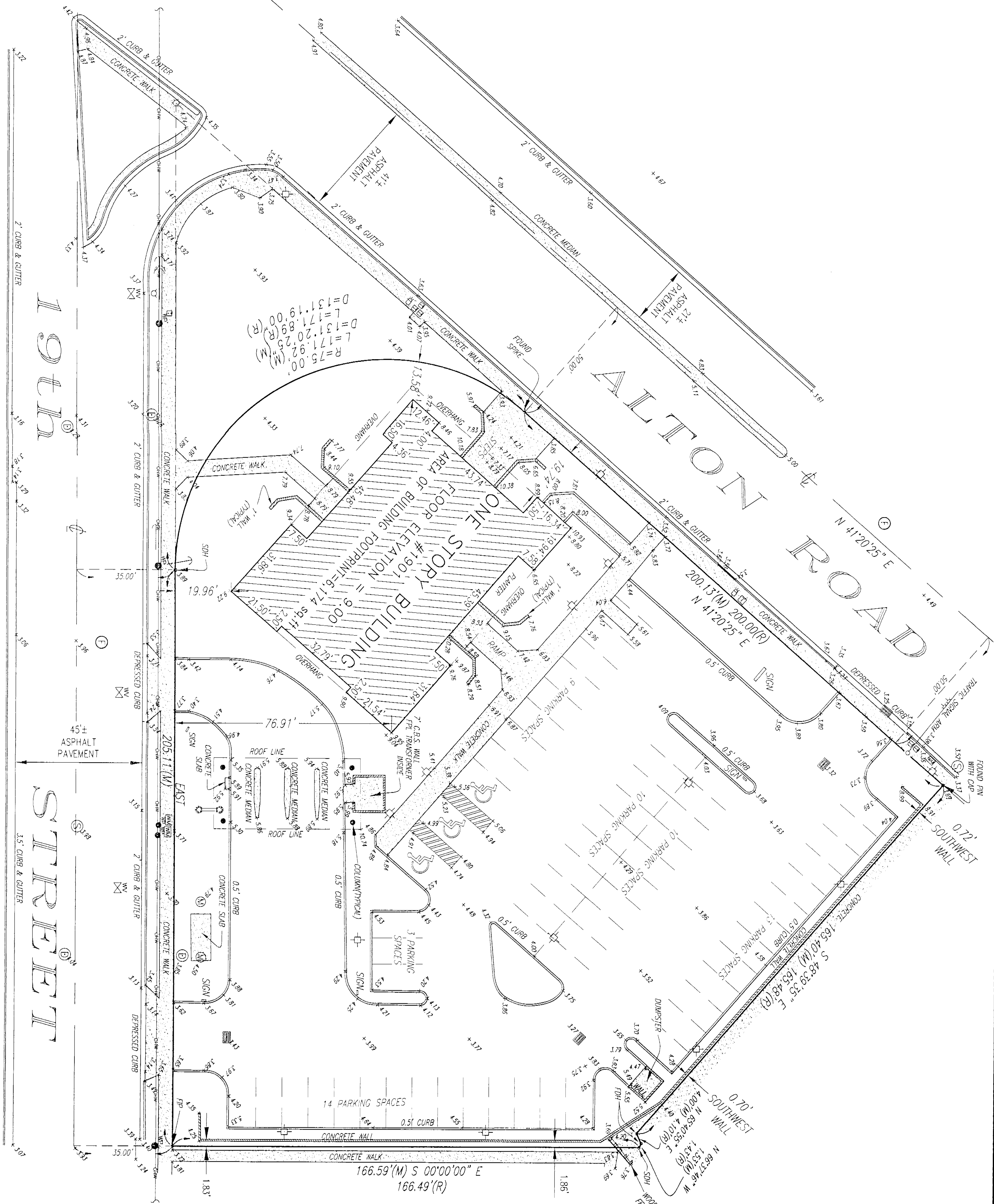
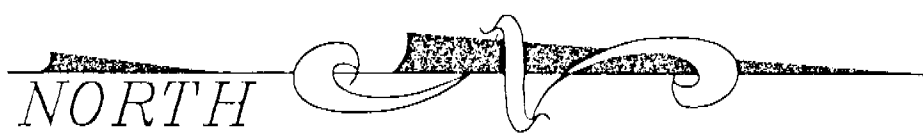
ELECTRICAL

EO.1	ELECTRICAL - LEGEND, SCHEDULES, NOTES
E1.0	ELECTRICAL - PARTIAL FLOOR PLAN

P. L. & J. JOHNS
PLUMBING & HEATING
 Phone 306-513-7080 Fax 306-513-7168
**THIS PLAN PENALTY CONSTITUTES APPROVAL FOR
 OBTAINING BUILDING PERMITS ONLY.**

Permit Requirements: Proof of existing sidewalk, swale area condition (pictures) and or posting of sidewalk, roadway bonds (Public Works Inspection of the right-of-way will be required prior to bond sign-off on the C.C. C.O. or the release of bonds).

Approved/Reviewed By:  Date: 11/30/2011



LOCATION MAP

SCALE 1" = 100'

NOTES:

- 1) BEARINGS SHOWN HEREON REFER TO AN ASSUMED BEARING OF EAST ALONG THE CENTER LINE OF 19th STREET.
- 2) LEGAL DESCRIPTION SHOWN HEREON WAS PROVIDED BY CLIENT.
- 3) PROPERTY AS SHOWN HEREON CONTAINS 1.272+ACRES AND/OR FOUNDATIONS.
- 4) UNLESS OTHERWISE NOTED, THIS FIRM HAS NOT ATTEMPTED TO LOCATE FOOTINGS AND/OR FOUNDATIONS.
- 5) ORDERED BY ELEMENTS ARCHITECTS
- 6) THIS SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF THE ENTITIES NAMED HEREON. THE ATTACHED CERTIFICATION DOES NOT EXTEND TO ANY UNNAMED PARTIES.
- 7) PROPERTY SHOWN HEREON FALLS WITHIN FEDERAL FLOOD HAZARD ZONE AE BASE FLOOD 8 FEET FLOOD, COMMUNITY PANEL NO.120657 0184 J, DATED 03-02-94
- 8) VISIBLE INDICATORS OF UTILITIES ARE SHOWN HEREON, HOWEVER, NO ATTEMPT HAS BEEN MADE TO LOCATE UNDERGROUND ITEMS.
- 9) DISTANCES ALONG BOUNDARY OF SUBJECT PROPERTY ARE RECORDED AND MEASURED UNLESS OTHERWISE STATED.
- 10) THIS SURVEY IS SUBJECT TO EASEMENTS AND RIGHTS OF WAY THAT WOULD BE REFLECTED ON A SEARCH OF TITLE OF THE SUBJECT LANDS
- 11) ELEVATIONS SHOWN HEREON RELATE TO NATIONAL GEODETIC VERTICAL DATUM, NAD 83, 1929
- 12) BENCHMARKS:
 - a) BRASS DISC ON CONCRETE SIDEWALK AT NW CORNER OF BRIDGE 42± SOUTH OF CENTER LINE DADE BOULEVARD & 90± WEST OF CENTER LINE OF ALTON ROAD ELEVATION = 7.31
 - b) BRASS DISC ON NORTH CORNER OF BRIDGE 29± SOUTH OF CENTER LINE OF DADE BOULEVARD 63± EAST OF CENTER LINE BAY ROAD ELEVATION = 11.06

LEGEND:	
	WOOD POWER POLE
	METAL LIGHT POLE
	LIGHT POLE
	WATER VALVE
	FIRE HYDRANT
	CATCH BASIN
	STORM DRAINAGE MANHOLE
	SANITARY SEWER MANHOLE
	DOUBLE DEFLECTION CURB VALVE
	SET DRILL HOLE
	EXISTING ASPHALT

LEGEND:	
	FOUND DRILL HOLE
	MANHOLE
	MANHOLE
	CENTER LINE
	MANHOLE
	MANHOLE
	MANHOLE
	MANHOLE
	MANHOLE
	MANHOLE
	MANHOLE

I HEREBY CERTIFY: That this "SKETCH OF SURVEY" of the property described hereon is true and correct to the best of my knowledge and belief as recently surveyed and drawn under my supervision and direction by the Florida State Board of Surveyors and the Minimum Technical Standards adopted by Chapter 61G17-6, Florida Administrative Code.

Schubert/Shiskin & Associates, Inc.

Mark Steven Johnson, Sec'y & Treas.
Professional Land Surveyor #4175
State of Florida

REVISIONS		
Date	Remarks	By
10-15-07	UP DATED PARKING AREA	L.E.G.

SKETCH OF SURVEY/TOPOGRAPHIC
lots 4 thru 10 " RESUBDIVISION OF BLOCK 11-A ISLAND VIEW ADDITION"
according to the plat thereof, as recorded in Plat Book 40 at Page 12,
of the Public Records of Dade County, Florida. Lying and being in
Dade County, Florida.

Schubert/Shiskin & Associates, Inc.
LAND PLANNERS • ENGINEERS • LAND SURVEYORS (FL#487)
3940 CORPORATE WAY MIRAMAR, FLORIDA • 33025 • TEL. NO. (954) 435-7010 • FAX NO. (954) 438-3288

By: _____ State of Florida
Registered Land Surveyor No. _____
Registered Engineer No. _____ State of Florida

Drawn By: E.A.C. Date: 07/27/06
Order No. 192701
PC-21 & SKETCH
Scale: 1" = 20'
Checked By: _____ Date: _____
File No. AJ-4484
Sheet No. 1 of 1 Sheet

THE CONTRACTOR SHALL BE FAMILIAR WITH THE TERMS AND CONDITIONS OF THE CONTRACT.

- [illegible]

ABV ABOVE

[illegible]
$$\bigotimes_{i=1}^n z_i$$


1

DETAIL

SCALE: 3" = 1'-0"

WALLING

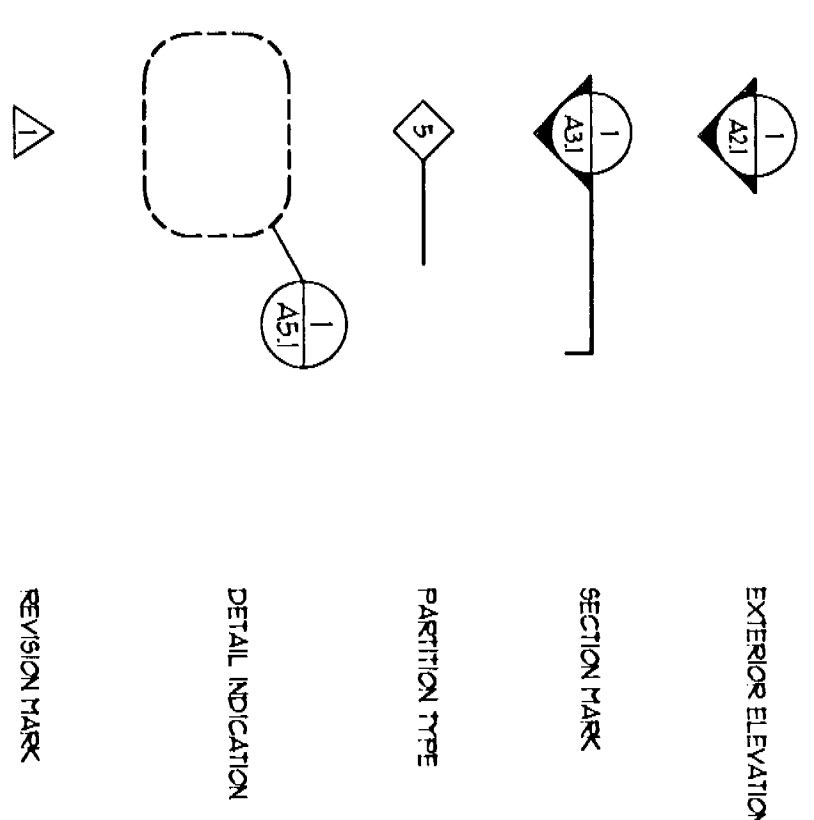
10

50 FT

DOOR NUMBER

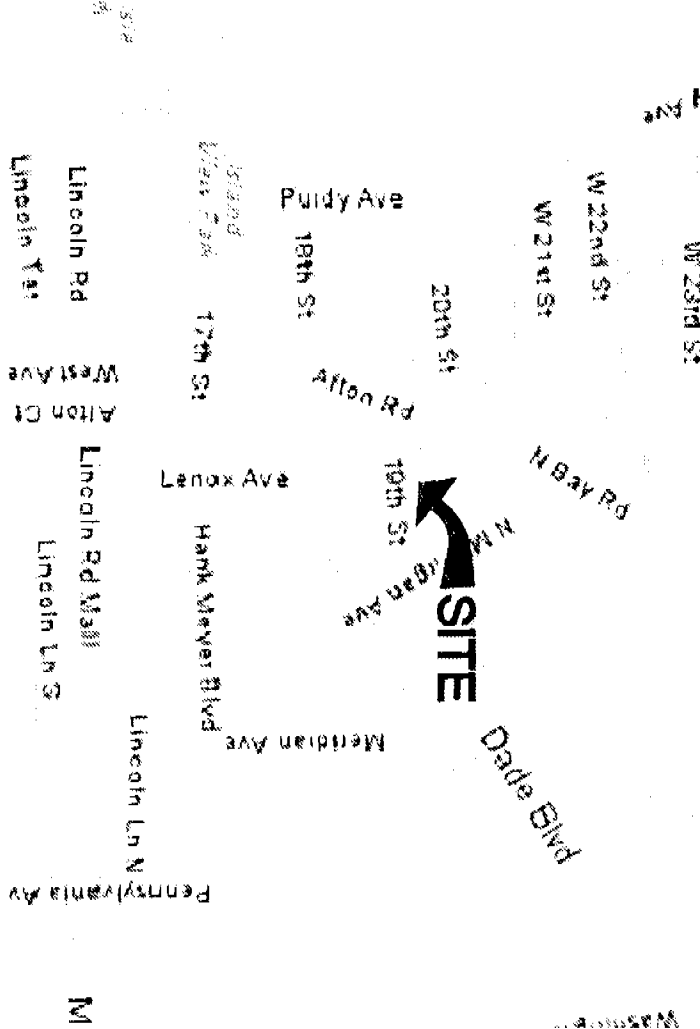
DOOR NUMBER

1



INDICATES DIMENSION TO CENTERLINE OF PARTITIONS OR COLUMN

INDICATES DIMENSION TO FACE OF CONSTRUCTION



Notes:

Revisions:
12/19/07 - BUILDING DEPT. COMMENT'S

Revisions: Δ 12/13/07 - BUILDING DEPT COMMENTS

Seal:

Seal:

Consultants:
Lourdes Fernandez Echেমেন্দা
Architect License #AR0074424

Consultants:

12/13/07

ELEMENTS State License #A117902341



ALTON ROAD BRANCH
1801 ALTON ROAD
MIAMI BEACH, FLORIDA

Drawing No./Date 9/07/07

Drawing No./Date 9/07/07

A.O.O

07-080

Drawing Title/Scale/Drawn by L-33
GENERAL INFORMATION, VICIN
MAP AND SYMBOLS LEGEND

SCALE: AS NOTED

1. THE CONTRACTOR SHALL BE FAMILIAR WITH THE TERMS AND CONDITIONS OF THE CONTRACT.
2. NO SUBSTITUTION OF MATERIALS OR EQUIPMENT IS PERMITTED IN BSA APPROVED MATERIALS BY THE ARCHITECT. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND TEST CERTIFICATIONS FOR ALL MATERIALS AND EQUIPMENT AS OUTLINED IN THE SPECIFICATIONS.
3. THE GENERAL CONTRACTOR SHALL VISIT THE JOBSITES AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL THE DETAILS OF THE WORK AND WORKING CONDITIONS VISIT ALL DIVISIONS IN THE FIELD AND ADVISE THE ARCHITECT OF ANY DISCREPANCY BEFORE COMMENCING THE WORK.
4. ALL DIVISIONS WORK ON THE DRAWINGS SHALL BE CHECKED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT ORDER MATERIALS OR START FABRICATION OF ANY ASSEMBLY UNTIL PROPOSED FIELD VISITATIONS HAVE BEEN OBSERVED.
5. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND LICENSES REQUIRED FOR ALL WORK IN THIS CONTRACT.

[illegible]

1 DETAIL
SCALE: 3" = 1'-0"

Notes:

DOOR NUMBER	
WINDOW NUMBER	
INTERIOR ELEVATION	
EXTERIOR ELEVATION	
SECTION MARK	
PARTITION TYPE	
DETAIL INDICATOR	
REVISION MARK	

14. SHALL POINTED FIRE EXTINGUISHER TO BE 3.64" DIA. HT. AT BOTTOM.

15. THIS PUMPING PACKAGER IS BASED ON DOCUMENTS, SPECIFICATIONS AND RELATED INFORMATION PROVIDED BY THE OWNER OR OWNERS NAME. THE ARCHITECT WILL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION ON THE BLUE PRINTS. AS SHALL BE PROVIDED. CANNOT BE PROVIDED BY OTHER SOURCES.

16. THE CONTRACTOR SHALL NOT INTERFERE WITH OTHER PARTS OF THE BUILDING NOT IN CONTRACT.

17. ALL WORK SHALL BE INSURED SATISFACTION. MATERIALS AND WORKMANSHIP FOR A MINIMUM PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL PAYMENT BY THE OWNER FOR ALL WORK UNDER THE CONTRACT OR FOR THE PERIOD OF UNPAID CUSTODY, OR SUPPLEMENTED FOR THE FULL PERIOD OF PRODUCTION. UNLESS OTHERWISE PROVIDED.

18. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE FROM THESE PUMPINGS AS EXISTING ON THE SHEETS. THE ARCHITECT ASSUMES NO LIABILITY FOR THE CONDITION OF THE EXISTING BUILDING SHEET, OR SOUNDNESS OF THE EXISTING BUILDING SYSTEMS INCLUDING.

[illegible]

A map of the area around the proposed site. The site is marked with a black arrow pointing to a location between 19th St and 20th St, and between Lenox Ave and 17th St. The map shows several streets: 17th St, 19th St, 20th St, 22nd St, 24th St, 26th St, 28th St, 30th St, 32nd St, 34th St, 36th St, 38th St, 40th St, 42nd St, 44th St, 46th St, 48th St, 50th St, 52nd St, 54th St, 56th St, 58th St, 60th St, 62nd St, 64th St, 66th St, 68th St, 70th St, 72nd St, 74th St, 76th St, 78th St, 80th St, 82nd St, 84th St, 86th St, 88th St, 90th St, 92nd St, 94th St, 96th St, 98th St, 100th St. Other streets shown include Lenox Ave, 17th St, 19th St, 20th St, 22nd St, 24th St, 26th St, 28th St, 30th St, 32nd St, 34th St, 36th St, 38th St, 40th St, 42nd St, 44th St, 46th St, 48th St, 50th St, 52nd St, 54th St, 56th St, 58th St, 60th St, 62nd St, 64th St, 66th St, 68th St, 70th St, 72nd St, 74th St, 76th St, 78th St, 80th St, 82nd St, 84th St, 86th St, 88th St, 90th St, 92nd St, 94th St, 96th St, 98th St, 100th St. Landmarks include the 'SITE' label, '19th St', '20th St', 'Lenox Ave', '17th St', '19th St', '20th St', '22nd St', '24th St', '26th St', '28th St', '30th St', '32nd St', '34th St', '36th St', '38th St', '40th St', '42nd St', '44th St', '46th St', '48th St', '50th St', '52nd St', '54th St', '56th St', '58th St', '60th St', '62nd St', '64th St', '66th St', '68th St', '70th St', '72nd St', '74th St', '76th St', '78th St', '80th St', '82nd St', '84th St', '86th St', '88th St', '90th St', '92nd St', '94th St', '96th St', '98th St', '100th St'. The map is oriented with North at the top.

ELEMENTS	ARCHITECTS - INTERIOR DESIGNERS	
	Tampa Office The Edgewater Building 600 South Magnolia Avenue Suite 150 Tampa, Florida 33606 Phone (813) 251-5567 Fax (813) 251-5567	
WACHOVIA	Miami Office 1699 Coral Way, Suite 503 Miami, Florida 33145 Phone (305) 859-5899 Fax (305) 859-5890	
	ELEMENTS State License #AA0002341	
ALTON ROAD BRANCH 8001 ALTON ROAD MIAMI BEACH, FLORIDA		
Drawing No./Date A0.0 3/07/07	1/01-000	
Drawn: T.H.S./Scale/Drawn by: LEE GENERAL INFORMATION, VANTAGE MAP AND SYMBOLS LEGEND		
SCALE: AS NOTED		

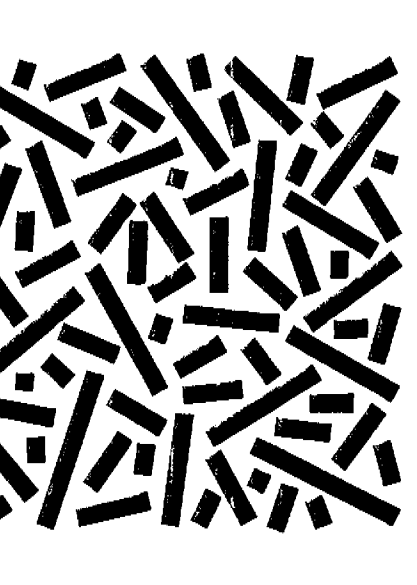
Revisions:

Seat

2/11/66

Lourdes Fernandez Echmendia
Architect License #AR0014424

Consultants:



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ELEMENTS State License #AAC002341



ALTON ROAD BRANCH
1801 ALTON ROAD
MIAMI BEACH, FLORIDA

Drawing No./Date 2/07/07

AO.1

07-080

SITE PLAN

SCALE: 1/6"=1'-0"



1 SITE PLAN
SCALE: 1/6" = 1'-0"

Revisions:

1. THE GENERAL CONTRACTOR IS RESPONSIBLE TO REPAIR OR REPLACE EXISTING FINISHES THAT ARE DAMAGED BY DESTRUCTION OR ARE UNSUITABLE FOR NEW FINISHES.
2. REMOVE EXISTING BASE AT ALL FLOOR AREAS SCHEDULED TO RECEIVE NEW FLOOR FINISH ONLY.
3. REMOVE ALL EXISTING CASING AND INTERIOR AREA WHERE NEW FLOOR FINISH IS REQUIRED. REMOVE EXISTING CASING AND INTERIOR AREA WHERE NEW FLOOR FINISH IS REQUIRED OR INSTALLATION OF NEW FLOOR FINISH AT AN ADDITIONAL COST.
4. THE GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL ITEMS OF NEW FLOOR FINISH. THE EXISTING FINISHES SHALL BE REMOVED AND INSTALLATION OF NEW FLOOR FINISH SHALL BE COMPLETED PRIOR TO INSTALLATION OF NEW FLOOR FINISH. AS DESCRIBED BY THESE DOCUMENTS. ADVISE ARCHITECT OF ANY CONFLICTS PRIOR TO ELIMINATION OF ANY ITEM.
5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING SURFACES INDICATED TO REMAIN. EXISTING ITEMS OR FINISHES THAT ARE DAMAGED OR TO BE REPLACED OR REPLACED AT AN ADDITIONAL COST TO OWNER. ALL EXISTING FINISHES DAMAGED BECAUSE OF DESTRUCTION SHALL BE REPLACED TO MATCH EXISTING ITEM.
6. THE OWNER SHALL BE PROVIDED WITH FIRST RIGHT OF REPAIR FOR ALL DAMAGE TO SURFACES AND MATERIALS AS SUCH AS BANK EQUIPMENT, DOORS AND LARDER CASE, GLAZING, FLOORING, ETC.
7. THE REMOVAL OF ANY EXISTING MISCELLANEOUS BANKING EQUIPMENT NOT CALLED OUT IN THESE DOCUMENTS SHALL BE PERFORMED AND COMED WITH OWNER.
8. GENERAL SITE IS TO BE LEFT BROOK CLEAN AT ALL TIMES.
9. GENERAL CONTRACTOR IS TO BE RESPONSIBLE TO COORDINATE THE PROPER REMOVAL OF ALL INSIDE POWER DATA ELEC. AND ALL BANK EQUIPMENT BACK TO OWNER. BOX AND/OR CLOSURES TO BE REMOVED AND RETURNED TO OWNER. DATA ELEC. CONTRACTORS AND VENDORS.
10. REMOVE ALL EXISTING ACoustICAL TILE CEILING 1 GRID ASSOCIATED WORKERS AND MATERIALS BEING DISPOSED. REMOVE INSIDE CEILING AND DISPOSED.
11. REMOVE ALL LIGHT FIXTURES AS CALLED TO BE DISPOSED. DISPOSE OF FIXTURES AND LIGHT FIXTURES OF SITE AS REQUIRED.
12. COORDINATE THE REMOVAL OF ALL FINISHING WITH VENDOR.

Lourdes Fernandez Echmendia
Architect License #AP0074424
Consultants:



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 Fax (305) 858-5550

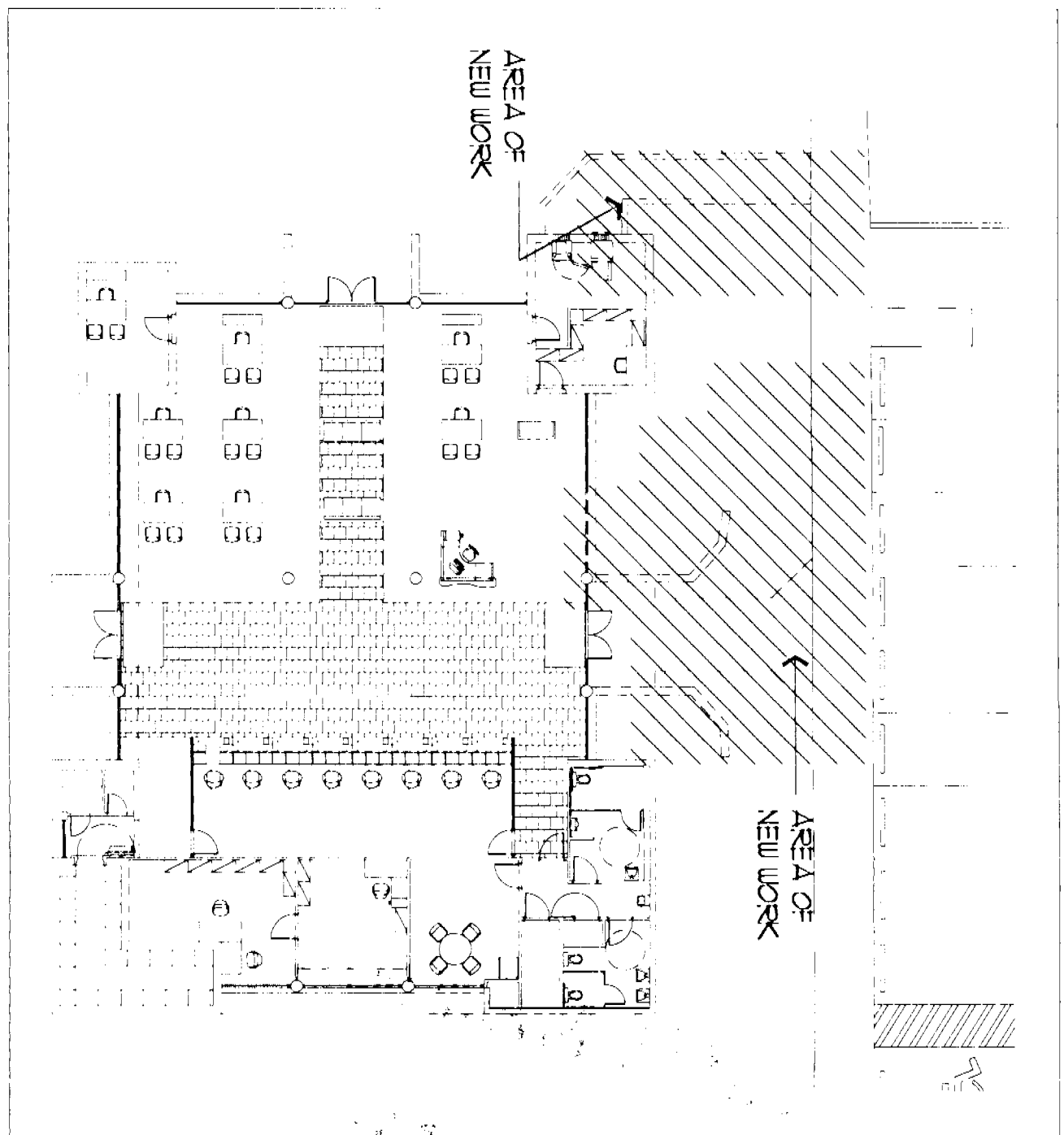
ELEVENTS State License #AA0002341



~~A1.0~~

Drawing Title/Scale/Drawn by **BDL**
DEMOLITION PLAN

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



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

KEY PLAN

25

Notes:

Revisions:
7/3/01 - BUILDING DEPT COMMENTS
7/13/01 - CORRECT WALL DETAILS

Seal:

Louise Fennell, Edgewood
Architects, Inc.
Consultants:

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WACHOVIA
ELEMENTS Studio Location 3A.M022341

ALTON ROAD BRANCH
1501 ALTON ROAD
MIAMI BEACH, FLORIDA
Drawing No. Date 3/07/01

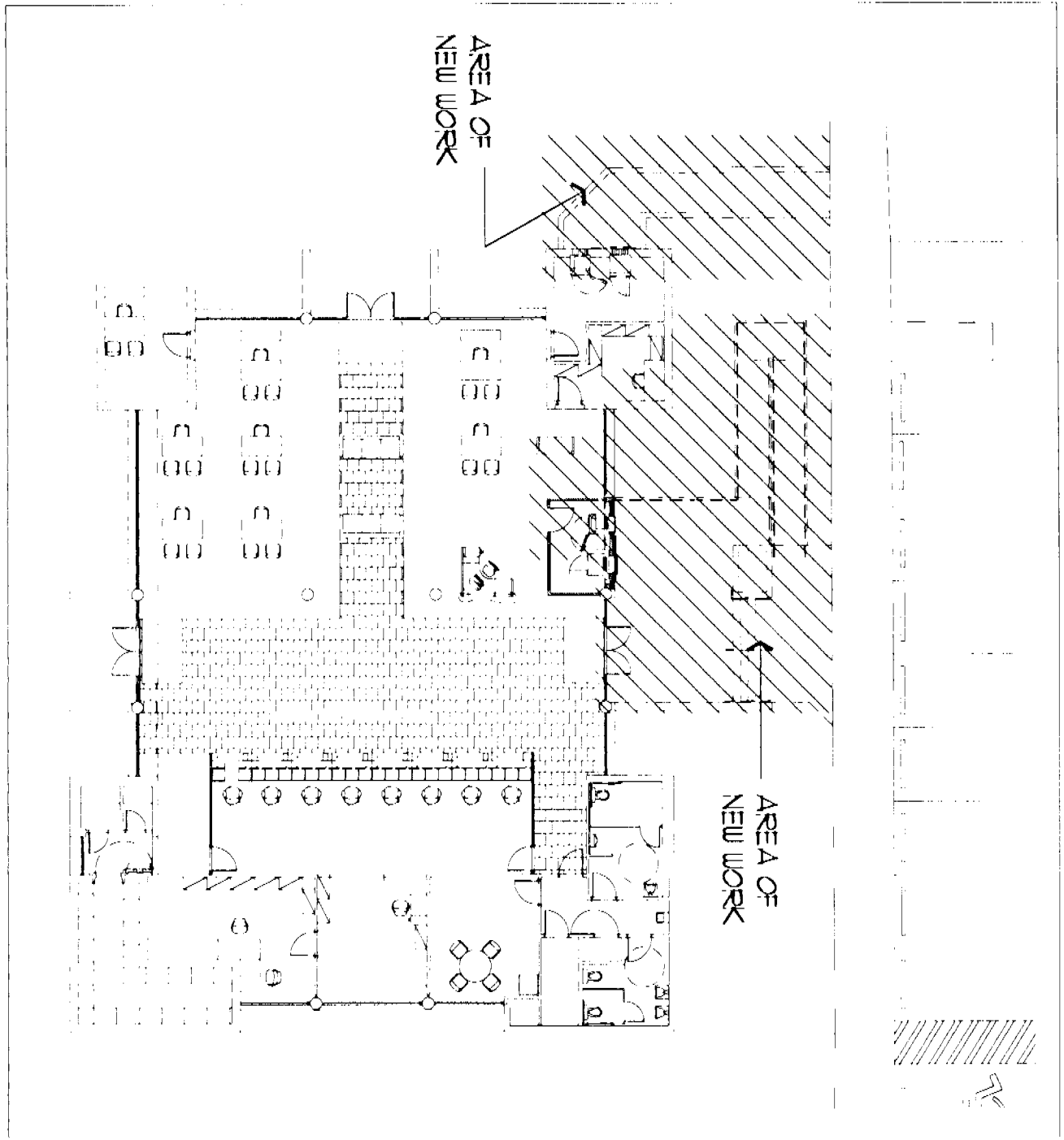
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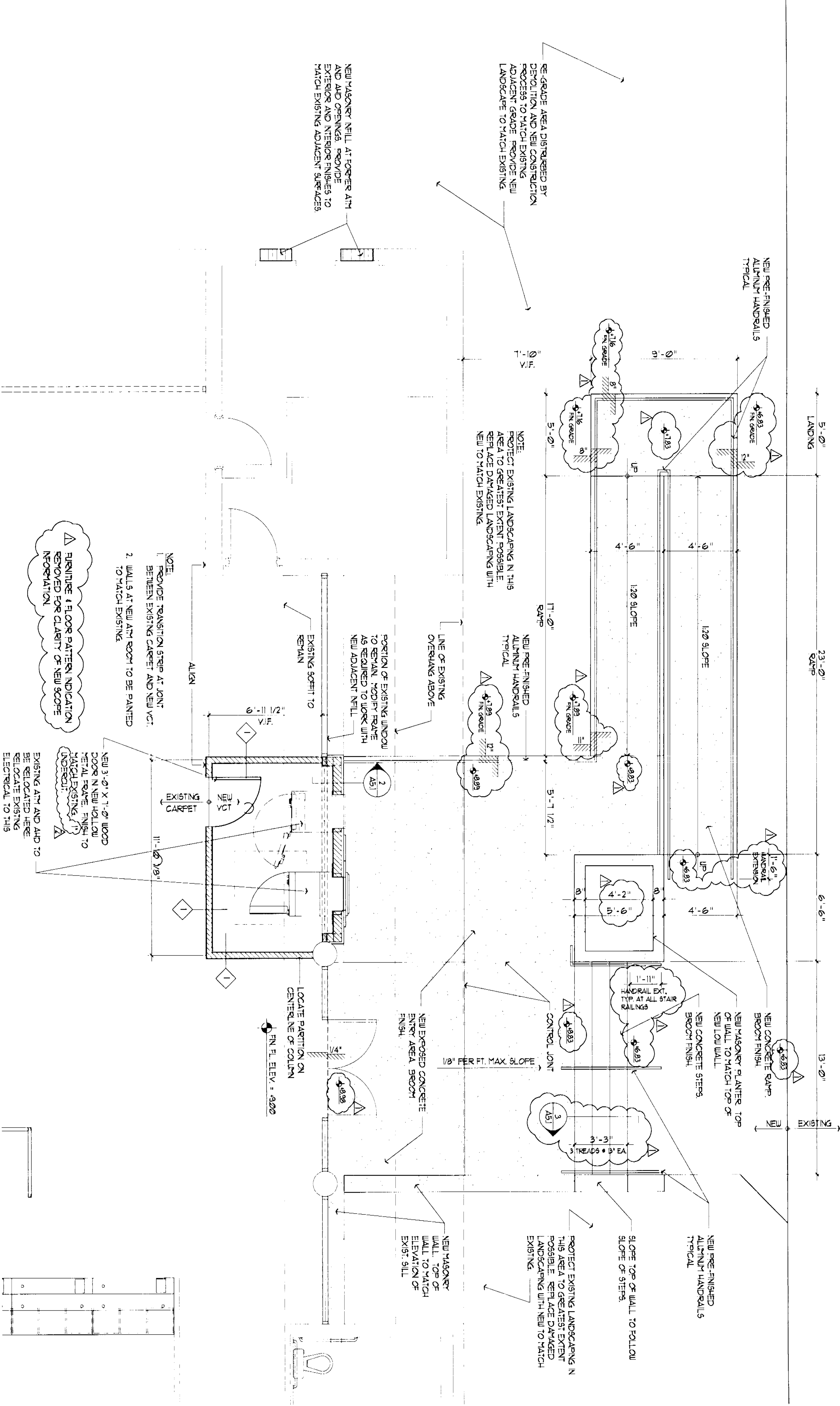
Drawing Title/Scale/Drawn by LFE
FLOOR PLAN

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

WALL TYPE LEGEND	
SYMBOL	DESCRIPTION
	NEW METAL STUD WALLS (SEE WALL TYPE FOR ADDITIONAL INFORMATION)
	NEW CMU WALL AT EXISTING OPENINGS
GENERAL NOTES:	
1. DO NOT SCALE DRAWING DIMENSIONS GOVERN. LARGE SCALE DETAILS GOVERN OVER SMALL SCALE.	
2. CONTRACTOR SHALL BE RESPONSIBLE FOR BEING THAT NEW CONSTRUCTION CONFORMS TO ALL APPLICABLE STATE AND MUNICIPAL CODES INCLUDING ALL STATE LAWS, LOCAL APPLICABLE REQUIREMENTS OF THE STANDARD BUILDING CODE, FLORIDA ACCESSIBILITY GUIDELINES, AND THE AMERICAN WITH DISABILITIES ACT.	
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO FABRICATION (TYPICAL).	
4. PROVIDE WALL BRACING/STAYS AS NECESSARY FOR ALL WALL MOUNTED CABINETS, FINISHED EQUIPMENT, AND FURNITURE.	
5. STAIR AND RAMP RAILINGS AND BALUSTS SHALL BE DESIGNED TO RESIST A LOAD APPLIED IN ANY DIRECTION AT THE TOP OF SUCH RAILINGS AT ANY LOCATION ON THE STAIRWAY UNLESS OTHERWISE SPECIFIED. PROVIDES THE HAZARD STRESS.	



KEY PLAN
N.T.S.



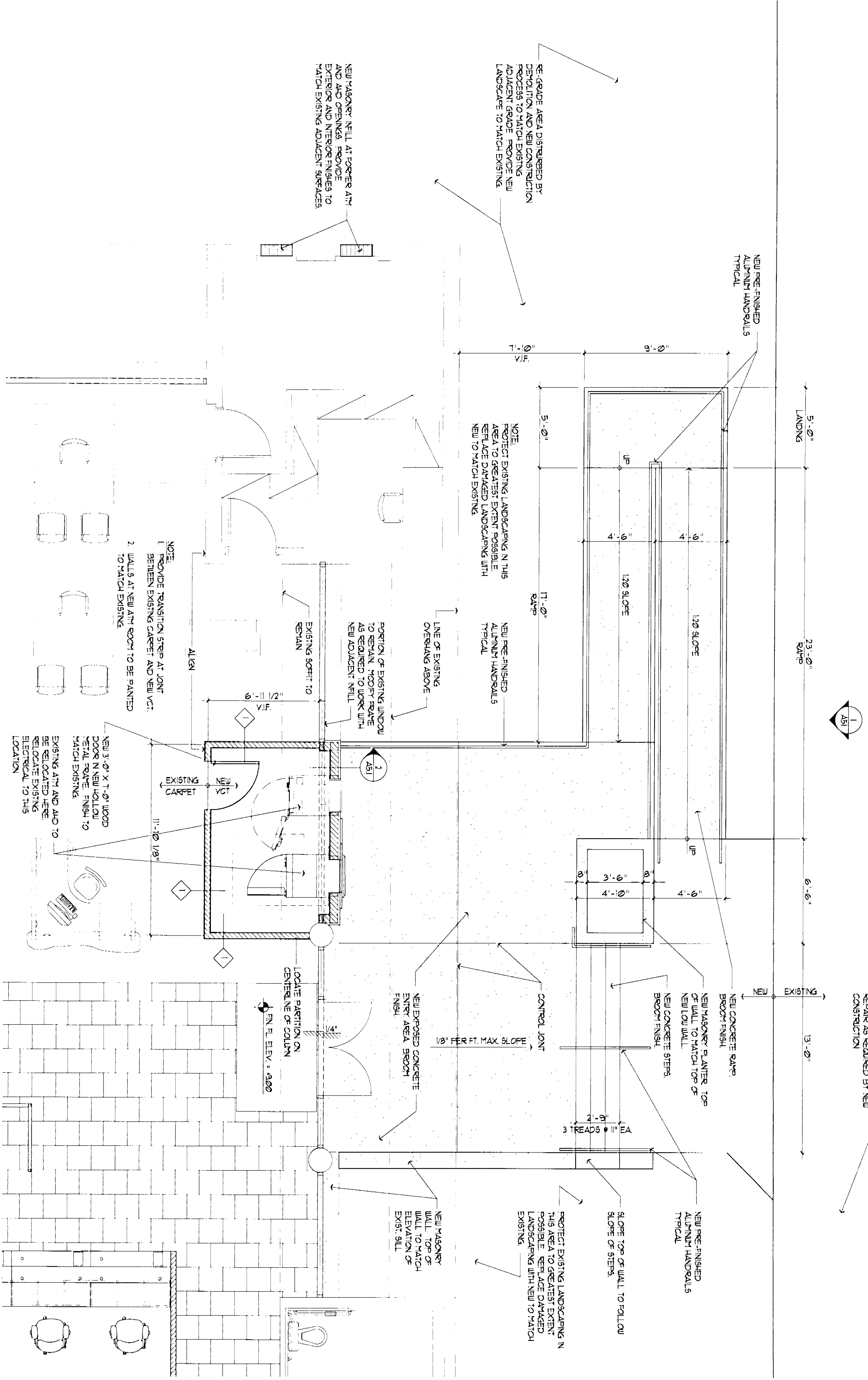
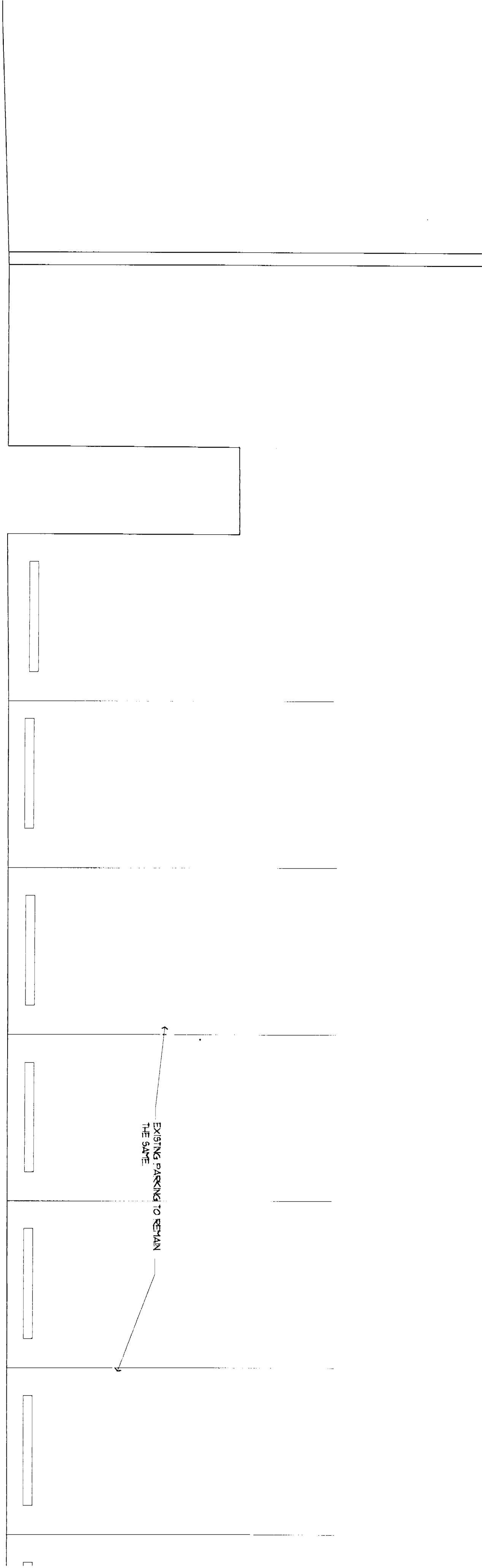
1 FLOOR PLAN
SCALE: 1/4" = 1'-0"

Notes:

Revisions:

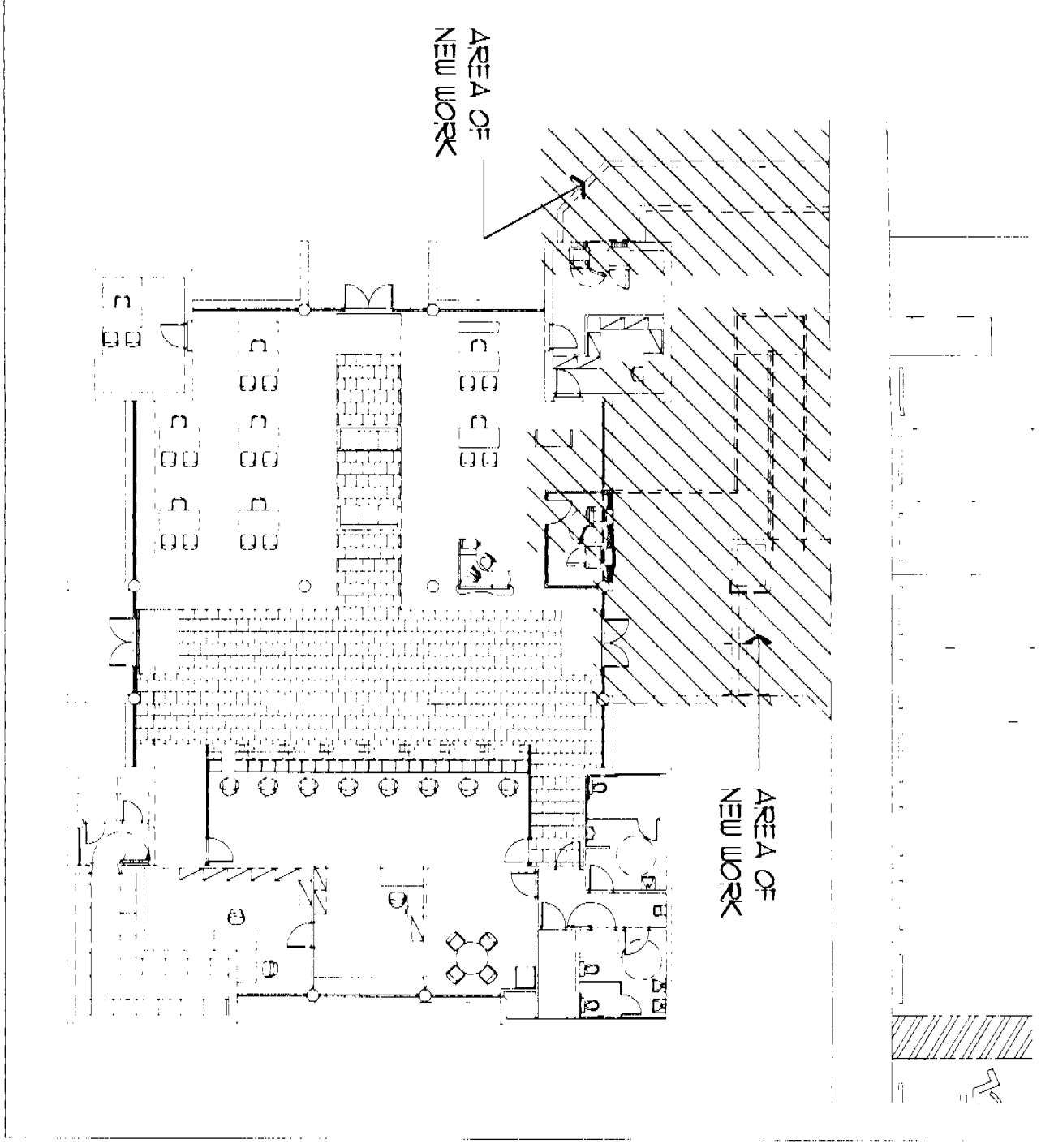
Seal:

WALL TYPE LEGEND	
SYMBOL	DESCRIPTION
	NEW MASONRY STUD WALLS (SEE WALL TYPE FOR ADDITIONAL INFORMATION)
	NEW CMU IN WALL AT EXISTING OPENINGS
GENERAL NOTES:	
1. DO NOT SCALE DIMENSIONS. DIMENSIONS GOVERN OVER SCALE. LARGE SCALE DETAILS GOVERN OVER SMALL SCALE.	
2. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT NEW CONSTRUCTION CONFORMS TO ALL APPLICABLE STATE AND NATIONAL CODES INCLUDING ALL STATE LAWS, LOCAL APPLICABLE REQUIREMENTS OF THE STANFORD BUILDING CODE, FLORIDA ACCESSIBILITY GUIDELINES, AND THE AMERICANS WITH DISABILITIES ACT.	
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO FABRICATION (TYPICAL).	
4. REMOVE WALL BECAUSE OCCUPANCY IS NECESSARY FOR ALL WALL MOUNTED CABINETS, WORKS, EQUIPMENT, AND SERVICE.	



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

KEY PLAN
N.T.S.



Louise Fernandez, Esq.
Architect License #A0000423
CONSULTANTS:

Louise Fernandez
4/17/07

WACHOVIA

ALTON ROAD BRANCH
1801 ALTON ROAD
MIAMI BEACH, FLORIDA

Drawing No. 080 3/07/07

A14 10/07

01-080

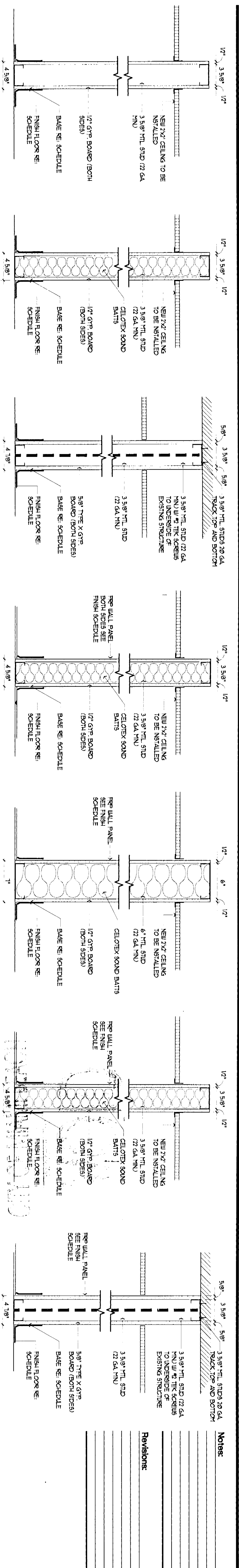
Drawing Title/Scale/Drawn by LFE

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

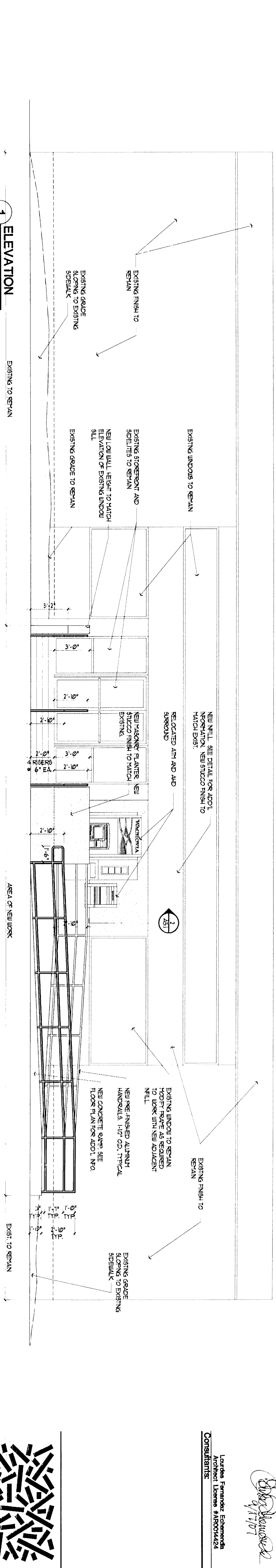
ELEMENTS SHIRL LORRIS #A00002347

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Miami, Florida 33145
Phone (305) 658-5558
Fax (305) 658-5558



1 PARTITION TYPE
2 PARTITION TYPE
3 PARTITION TYPE 1 HOUR RATED UL#465
4 PARTITION TYPE
5 PARTITION TYPE
6 PARTITION TYPE
7 PARTITION TYPE 1 HOUR RATED UL#465



1 ELEVATION
2 VERTICAL SECTION / DETAIL

GENERAL NOTES

INDEX OF STRUCTURAL DRAWINGS

S-1 GENERAL NOTES & DRAWINGS INDEX

S-2 FLOOR PLAN

UNLESS NOTED OTHERWISE IN DRAWINGS.

PROVIDE DATED COUNTY APPROVED PRECAST LUNEL (AT INTERIOR WALLS ONLY).

CONCRETE BEAM WITH 2#5 TOP AND BOTTOM, #3@8 TIES AT ALL VERTICAL C

8" LONG OR SMALLER.

MINIMUM SPILLER LENGTH IN WAGONET CONSTRUCTION:

#1 - 30"
#2 - 30"
#3 - 42"
#4 - 48"
#5 - 54"

CONTRACTOR SHALL COORDINATE PLACING OF DOWELS TO ACCOMMODATE

MODULE OF MASONRY UNITS. ALL VERTICAL CELLS AND BEAMS WITH

REINFORCING SHALL BE TIED WITH CORNER GROUP CONSISTING OF 100% PS

CONCRETE WITH #3 CORNER AGGREGATE. USE HIGH-SLUMP

CONCRETE WITH #3 CORNER AGGREGATE. USE HIGH-SLUMP

CELLS, EMBEDDED IN THE HIGH STRENGTH CONCRETE WHERE HEIGHT OF LIFT EXCEEDS

10 FEET. PROVIDE 100% PS CORNER AGGREGATE. PROVIDE 100% PS CORNER AGGREGATE

REINFORCED CELLS AND BEAMS.

ALTON ROAD BRANCH
1901 ALTON ROAD
MIAMI BEACH, FLORIDA

 **WACHOVIA**

Drawing No./Date

07-080

Drawing title/Scale/Drawn by
SCALE: S-1

Notes:

Revisions:

Seal:

Luisa Fernandez Escamilla
Professional Engineer
License # 150507451
Consultants

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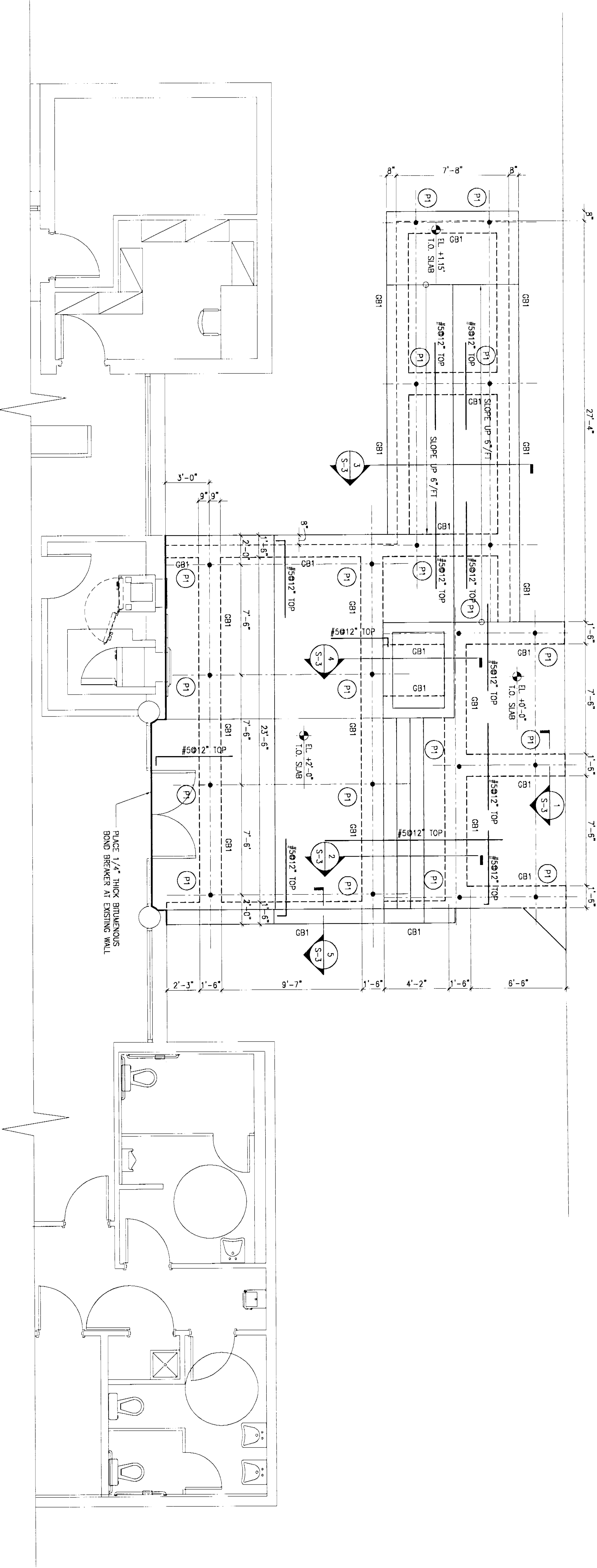
ELEMENTS State License #A44002341
WACHOVIA

ALTON ROAD BRANCH
1801 ALTON ROAD
MIAMI BEACH, FLORIDA
Drawing No. 040

21-0320
Drawing Title/Scale/Drawn by

SCALE: S-2

Consulting Engineer/Professional Engineer
Luisa Fernandez Escamilla
Professional Engineer
License # 150507451
Florida State Board of Engineering
P.E. # 150507451
SEP 14 2010
Drawing No. 040

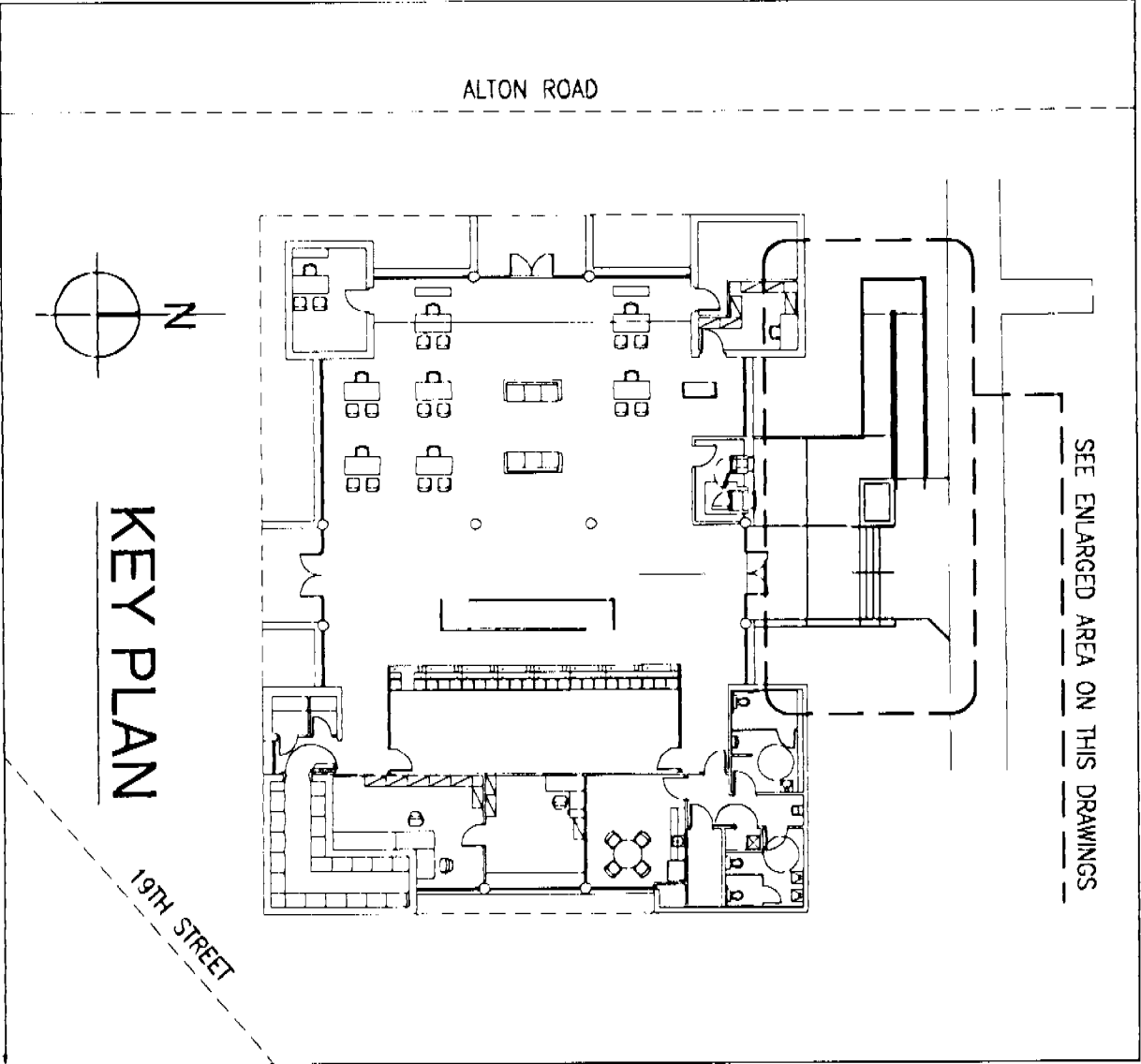


RAMP & STAIRS FOUNDATION PLAN

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

NOTES:

- 1- NEW PILES SHALL BE 10 TON HELICAL PILES (P1)
- 2- NEW SLAB SHALL BE 8\" THICK OVER 8 MIL VAPOR BARRIER REINFORCED W/ #5@12\" C.W. BOTTOM.



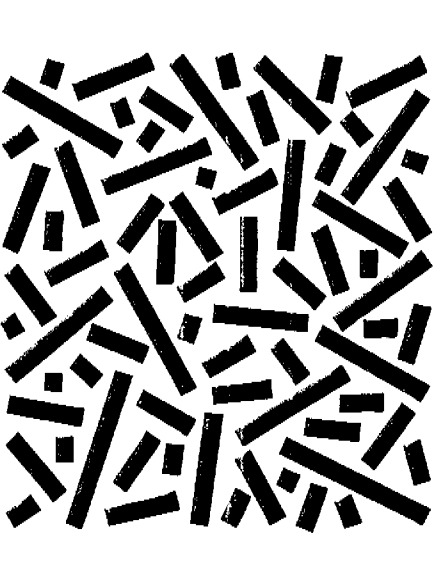
Consulting Engineer/Professional Engineer
Luisa Fernandez Escamilla
Professional Engineer
License # 150507451
Florida State Board of Engineering
P.E. # 150507451
SEP 14 2010
Drawing No. 040

Notes:

Revisions:

Larissa Fernandez Espinosa
Architect License #AB0044424
Consultant:

Scale:



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WACHOVIA

ELEMENTS Stamp License #A00000041

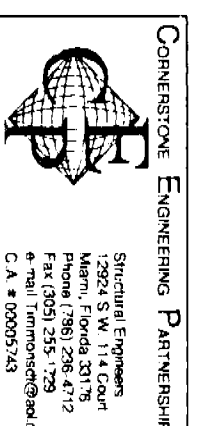
ALTON ROAD BRANCH
1801 ALTON ROAD
MIAMI BEACH, FLORIDA

Drawing No/Date

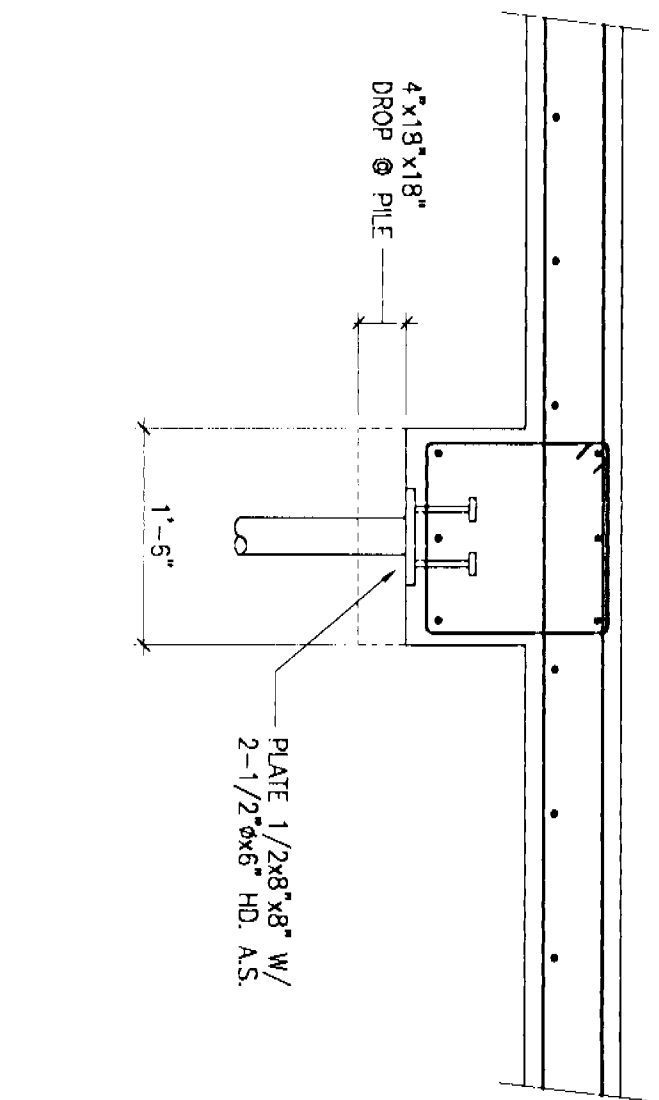
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Drawing Title/Scale/Drawn by

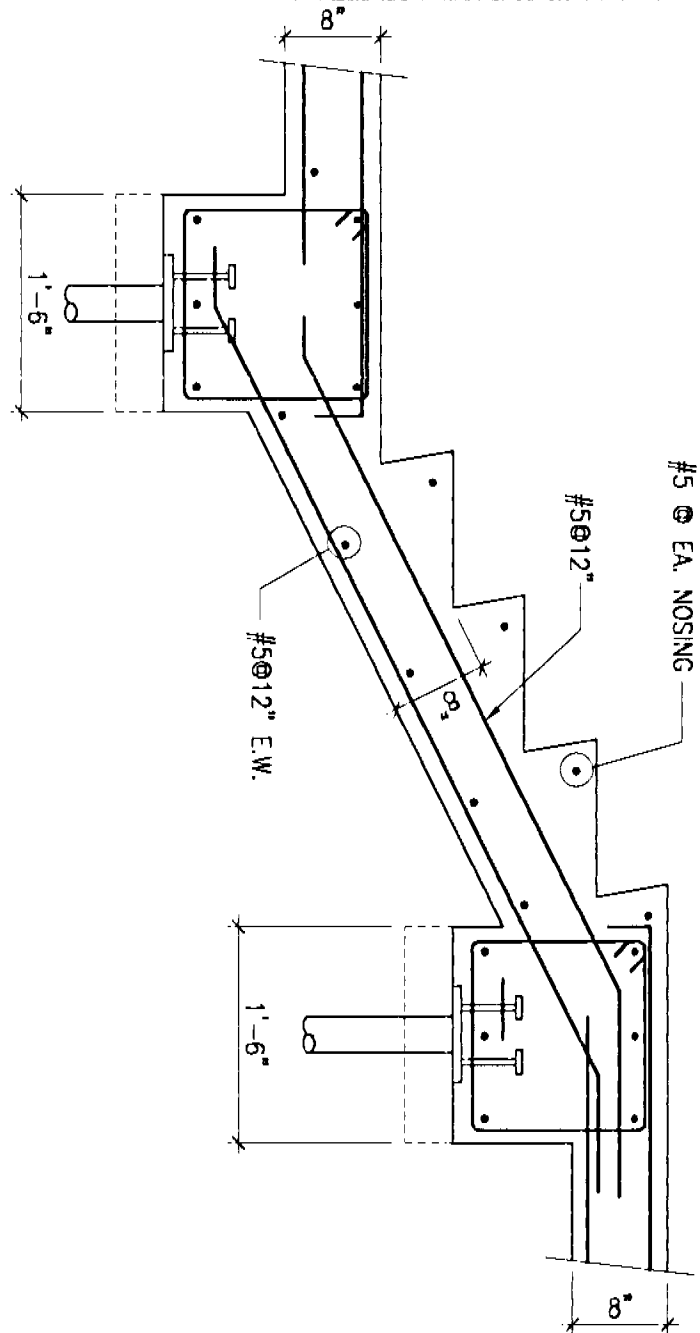
SCALE: S-3



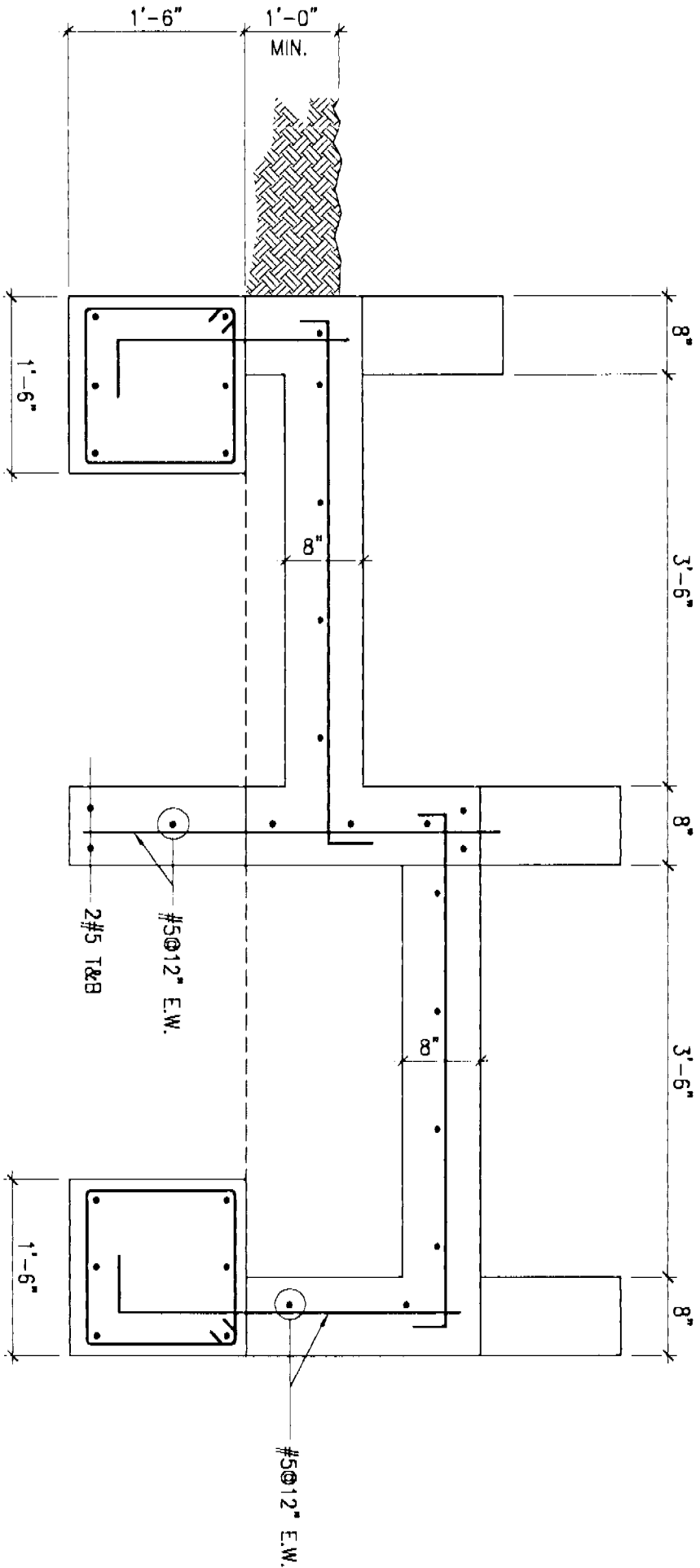
Professional Engineer
State of Florida
No. 18000
Exp. 12/31/2025
Larissa Fernandez Espinosa
LFE



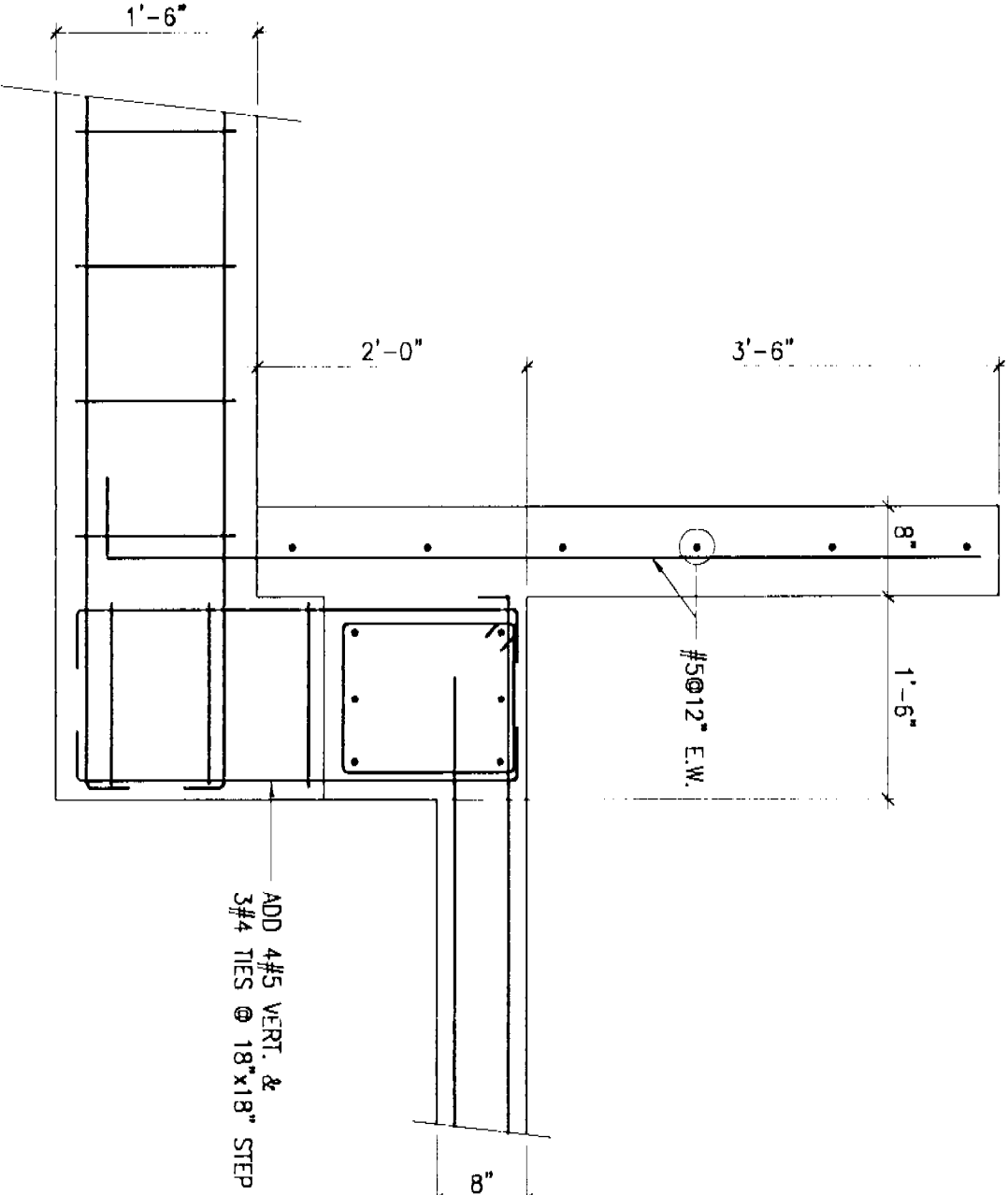
1 SECTION THRU NEW SLAB
SCALE: 3/4"=1'-0"



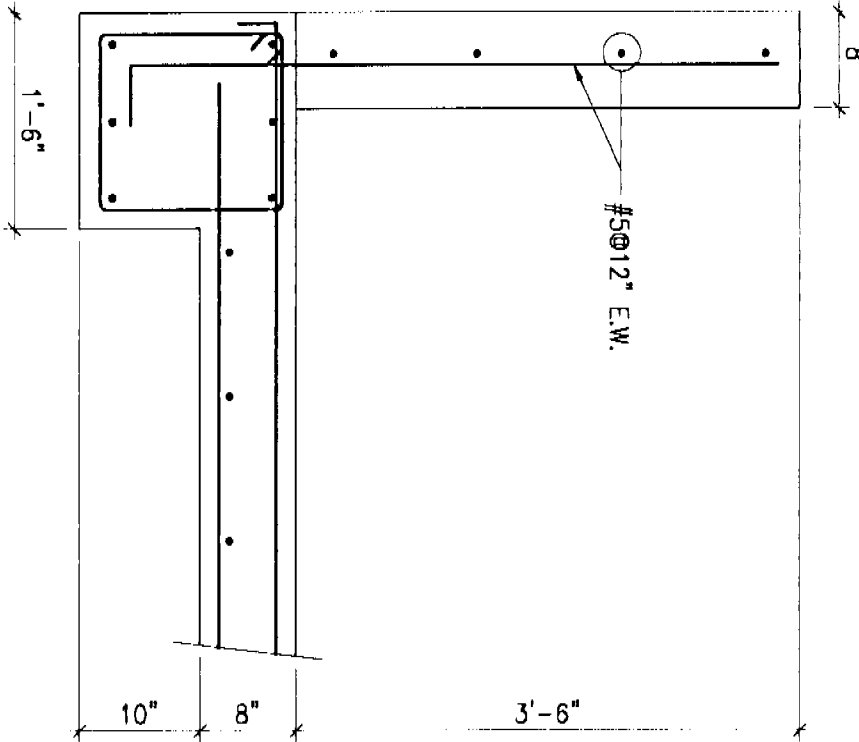
2 SECTION THRU STAIR
SCALE: 3/4"=1'-0"



3 SECTION THRU NEW RAMP
SCALE: 3/4"=1'-0"



4 SECTION @ STEP IN GRADE BEAM
SCALE: 3/4"=1'-0"

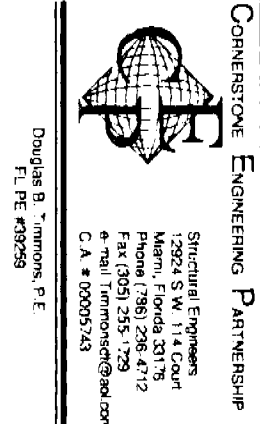


5 SECTION @ NEW WALL
SCALE: 3/4"=1'-0"

CONCRETE BEAM SCHEDULE					REMARKS
MARK	WIDTH (B)	HEIGHT (H)	TOP REINFORCING	BOTTOM REINFORCING	
C01	18"	18"	3#5	3#6	#10@9" O.C.

6 CONCRETE BEAM SCHEDULE
SCALE: 3/4"=1'-0"

01-080
Larissa B. Imhoff
FL PE # 39250
JUL 18 2008
LFE



- | | | | |
|----|---|----|-----------|
| 12 | - | 13 | NOT USED. |
|----|---|----|-----------|

- DESIGN WAS 675 CFM / 15" NECK FOR EACH OF THREE DIFFUSERS)

07-09-2008 16:25

SP	STATIC PRESSURE	SA	SUPPLY AIR



ARCHITECTURAL ENGINEERING INCORPORATED
4442 EAST LAKE ROAD, PALM HARBOR, FL 34685
CONSULTING ENGINEERS (727) 784-1472
CERTIFICATE OF AUTHORIZATION: FL 3896

ARCHITECTS • INTERIOR DESIGNERS

Fax (305) 858-5850

ELEMENTS Starts License #AAC0002341



MIAMI BEACH, FLORIDA

Drawing No./Date 10/12/07

M-1.0

07-080/0714

Drawing Title/Boards/Drawn by WEE/WRN

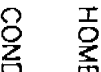
MECHANICAL

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

GENERAL ELECTRICAL NOTES (ALL "E" DRAWINGS):

- 1 A. REGULATORY REQUIREMENTS: PROVIDE ALL WORK TO MEET OR EXCEED MINIMUM REGULATORY REQUIREMENTS INCLUDING:
FLORIDA BUILDING CODE: 2004 EDITION WITH 2006 SUPPLEMENT
FLORIDA FIRE PREVENTION CODE: 2004 EDITION
ADVISE THE PROJECT A/E OF ANY CHANGES IN THE CONTRACT DOCUMENTS THAT MAY BE REQUIRED IN ORDER TO MEET CODE, PRIOR TO WORK (ORDERING, ROUGHING, OR INSTALLATION).
- B. COORDINATION: COORDINATE WITH OTHER WORK FOR AVAILABLE SPACE, SEQUENCE OF INSTALLATION, AND INSTALLATION REQUIREMENTS, PRIOR TO COMMENCING CONSTRUCTION. ADVISE THE PROJECT A/E OF ANY CHANGES IN THE CONTRACT DOCUMENTS THAT MAY BE REQUIRED FOR THE WORK TO BE PERFORMED.
- C. EXISTING FIELD CONDITIONS: THE CONTRACT DOCUMENTS INDICATE THE DESIGN INTENT USING AVAILABLE INFORMATION. THE CONTRACTOR IS TO ADVISE THE PROJECT A/E IF EXISTING CONDITIONS DIFFER FROM THOSE SHOWN. ALSO ADVISE THE PROJECT A/E IF CODE OR SAFETY CONFLICTS EXIST. THE CONTRACTOR IS REQUIRED TO VISIT THE SITE (PRIOR TO THE BID), TO BE SURE THE CONTRACTOR UNDERSTANDS THE EXISTING CONDITIONS AND TO BE AWARE OF ANY CHANGES IN THE CONTRACT SOW AND CONTRACT TIME WILL NOT BE ALLOWED FOR FAILURE TO INVESTIGATE FIELD CONDITIONS. ALL WORK IS NEW UNLESS NOTED OTHERWISE.
- D. DEVICE LOCATIONS: COORDINATE THE LOCATIONS OF EXISTING LIGHTING FIXTURES, AND OTHER EXISTING WALL ITEMS IN THE FIELD. LOCATE ALL CONDUITS AND WIRING IN FINISHED ROOMS OR SPACES WITHIN CONCEALED LOCATIONS (FURRED CHASES OR SUSPENDED CEILINGS, AS AVAILABLE), UNLESS SPECIFICALLY NOTED OTHERWISE.
- E. SIZES: WHEN A CONDUIT OR CONDUCTOR SIZE IS NOT INDICATED, SIZE THAT CONDUIT OR CONDUCTOR MANUFACTURER'S LISTED SIZE, OR THE NEXT LARGER SIZE (WHICH MEETS THE MINIMUM CONDUIT SIZE, UNLESS SPECIFICALLY NOTED OTHERWISE). FOR SIZES NOT INDICATED ON PLANS, REFER TO RISER DIAGRAMS AND OTHER LOCATIONS IN THE CONTRACT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) FOR INFORMATION.
- 2 THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY SUCH FEES AS MAY BE NECESSARY FOR INSPECTIONS, TESTS, AND OTHER SERVICES NECESSARY FOR THE COMPLETION OF THIS WORK.
- 3 CONTRACTOR SHALL VISIT THE SITE AND DRAWING CONDITIONS OF THE PREMISES AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETION OF THE WORK. THE CONTRACTOR SHALL COMPLY WITH THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT / ENGINEER BEFORE BIDDING.
- 4 IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PROVIDE A COMPLETE SET OF INFORMATION FOR THE CONTRACTOR TO CONSTRUCT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCREPANCIES IN THE PLANS AND SPECIFICATIONS THAT WILL AFFECT THE WORK, PRIOR TO SUBMISSION OF HIS BID PRICE.
- 5 IF, DURING THE COURSE OF THE WORK, THE CONTRACTOR EXPERIENCES A PROBLEM WITH THE PERFORMANCE OF THE INSTALLATION RELATIVE TO THE PLANS AND SPECIFICATIONS, THE NATIONAL ELECTRICAL CODE, OTHER APPLICABLE CODES AND GOVERNING DOCUMENTS, THE CONTRACTOR SHALL BRING THE PROBLEM TO THE ATTENTION OF THE ARCHITECT AND / OR THE ENGINEER FOR RESOLUTION PRIOR TO EXECUTION OF THE WORK.
- 6 ALL MATERIAL SHALL BE NEW AND BEAR THE U.L. LABEL LISTED APPROVAL FOR ITS INSTALLED APPLICATION.
- 7 ALL WIRE COMPONENTS OF THE ELECTRICAL SYSTEMS, SUCH AS SAFETY DISCONNECT SWITCHES AND PANELBOARDS, SHALL BE BY THE SAME MANUFACTURER AND SHALL BE ONE OF THE FOLLOWING: SQUARE "D" COMPANY, GENERAL ELECTRIC, OR CUTLER-HAMMER.
- 8 CIRCUIT BREAKERS USED FOR SWITCHING OF LIGHTING OR SIGN CIRCUITS SHALL BE APPROVED FOR SWITCHING DUTY AND SHALL BE MARKED "SWD" IN ACCORDANCE WITH N.E.C. ART. 240.83 (1).
- 9 PROVIDE "LOCKING" TYPE DEVICES ON ALL CIRCUIT BREAKERS CONNECTED TO EMERGENCY AND NIGHT LIGHTING, SIGNS, FIRE ALARM, SECURITY SYSTEMS, AFTER HOUR DEPOSIT AND AUTOMATIC TELLER MACHINES.
- 10 ALL SWITCHES, DUPLEX RECEPTACLES, AND TELEPHONE OUTLETS TO BE FLUSH MOUNTED, THROUGHOUT.
- 11 ALL SERVICE EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. ARTICLE 250.
- 12 ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATIONS OF HVAC EQUIPMENT.
- 13 SEE REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHT FIXTURES.
- 14 ELECTRICAL PLANS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS.
- 15 CONSULT PLANS OF ALL OTHER TRADES FOR COORDINATION AND FOR RELATED AND ADJOINING WORK.
- 16 CONSULT ARCHITECTURAL AND STRUCTURAL PLANS AND DETAILS FOR CONSTRUCTION TYPE, HEADROOM, ROOM FINISHES, CEILINGS, ETC.
- 17 ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER AS WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEMS. ALL POWER OUTAGES SHALL BE COORDINATED WITH OWNER.
- 18 THE CORRECT NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL CIRCUITS. ONLY THOSE WHERE CLARIFICATION IS NECESSARY. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM.
- 19 ALL EMPTY CONDUIT RUNS IN EXCESS OF 10 FT. SHALL BE PROVIDED WITH A PULL WIRE OR FISH TAPE / CORD.
- 20 ALL BRANCH CIRCUIT CONDUCTORS FROM THE PANEL TO THE FIRST OUTLET SHALL BE INCREASED TO THE NEXT LARGER SIZE WHERE THE LENGTH OF THE HOME RUN EXCEEDS 100 FT. ON 120/208V CIRCUITS.
- 21 CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SIZING OF ALL MOTOR OVERLOAD DEVICES (HEATERS) IN STARTERS BASED ON ACTUAL NAMEPLATE RATINGS ON THE MOTORS BEING INSTALLED.
- 22 CONTRACTOR SHALL NOTE U.L. LABELS ON PACKAGE TYPE MECHANICAL EQUIPMENT. IF U.L. LABEL ON MECHANICAL EQUIPMENT CALLS FOR THE OVERCURRENT PROTECTIVE DEVICE TO BE FUSES, THE ELECTRICAL CONTRACTOR SHALL PROVIDE A FUSED DISCONNECT SWITCH WITH PROPER SIZE FUSES AT THE SWITCH LOCATION INDICATED ON DRAWINGS.
- 23 CONTRACTOR SHALL VERIFY WIRE SIZES, C/B AND FUSE RATINGS FOR ALL HVAC EQUIPMENT. AND BRING TO THE ATTENTION OF THE ARCHITECT AND / OR THE ENGINEER ANY DISCREPANCIES AFFECTING THE WORK PRIOR TO PROCEEDING.
- 24 HORSEPOWER RATINGS INDICATED ON DRAWING MAY DIFFER FROM ACTUAL EQUIPMENT FURNISHED. CONTRACTOR SHALL VERIFY EQUIPMENT RATINGS AND DISCREPANCIES SHALL NOTIFY ARCHITECT AND / OR THE ENGINEER FOR APPROPRIATE ACTION TO BE TAKEN.
- 25 PROVIDE APPROVED "HACR" TYPE CIRCUIT BREAKERS FOR ALL HEATING, AIR CONDITIONING, AND REFRIGERATION EQUIPMENT INDICATED FOR CONNECTION ON ELECTRICAL DRAWINGS.
- 26 ALL DEVICES AND COVER PLATES SHALL BE CONSTRUCTED OF UNPAINTED MATERIALS. COLOR OF DEVICES AND WATCHING COVER PLATES SHALL BE AS SELECTED BY THE ARCHITECT.
- 27 THE CONTRACTOR SHALL GUARANTEE ALL HIS WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
- 28 IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE SERVICE REQUIREMENTS FOR POWER AND TELEPHONE UTILITIES.

ELECTRICAL SYMBOL LEGEND

	HOWEVER TO PANELBOARD. NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS.
	CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING.
	JUNCTION BOX FLUSH MOUNTED UNLESS INDICATED OTHERWISE.
	RECESSED FLUORESCENT OR HID STEP LIGHT FIXTURE.
	RECESSED FLUORESCENT LIGHTING FIXTURE. LETTER INDICATES TYPE.
	RECESSED HID OR FLUORESCENT LIGHTING FIXTURE. LETTER INDICATES TYPE.
	SINGLE POLE SWITCH IN FLUSH OUTLET BOX. 48 INCHES ABOVE FINISHED FLOOR, UNLESS HEIGHT IS OTHERWISE NOTED ON PLAN.
	125-VOLT, 15A, 3 WIRE DUPLEX RECEPTACLE IN FLUSH OUTLET BOX, 18" ABOVE FINISHED FLOOR. SEE GENERAL NOTE 31.
	125-VOLT, 15A, 3 WIRE DUPLEX RECEPTACLE IN FLUSH OUTLET BOX, 18" ABOVE FINISHED FLOOR. SEE GENERAL NOTE 31.
	TELEPHONE/DATA OUTLET, 4" x 4" OUTLET BOX WITH A 1 GANG COVER WITH (1) 3/4" CONDUIT TO 6" ABOVE CEILING.
	CONNECTION TO FRACTIONAL HORSEPOWER ELECTRIC MOTOR.

- 29 PROVIDE A #10 NEUTRAL CONDUCTOR FOR ALL MULTIWIRE RECEPTACLE BRANCH CIRCUITS.
- 30 FOR ALL EQUIPMENT RATED 100 AMPS OR LESS, E.C. SHALL PROVIDE TERMINATIONS WHICH ARE LISTED FOR USE AT 75 DEGREES C OR PROVIDE WIRING SIZED USING THE 60 DEGREE C AMPACITY.
- 31 RECEPTACLES ON SEPARATE CIRCUITS SHALL BE RATED 20 AMP, 120 VOLT.
- 32 WIRE AND CABLE SHALL BE COPPER, TYPE THHN/THWN, MINIMUM #12 AWG.
- 33 PANELBOARD DIRECTORIES SHALL BE UPDATED TO REFLECT ALL WORK DONE AS PART OF THIS PROJECT.
- 34 ALL NEW BRANCH CIRCUITS SHALL BE EQUIPPED WITH A MINIMUM #12 AWG GREEN EQUIPMENT GROUND CONDUCTOR.
- 35 CONDUIT RUN UNDERGROUND SHALL BE PVC SCHEDULE 40. ALL BUILDING WIRING SHALL BE RUN IN METALLIC CONDUIT. INTERIOR CONDUIT SHALL BE EMT. EXTERIOR CONDUIT SHALL BE IMC OR RMC.
- 36 FOR IC RECEPTACLES, PROVIDE 2#12 GREEN GROUND WIRES IN BRANCH CIRCUIT BACK TO PANELBOARD.
- 37 - 49 NOT USED.
- 50 DISCONNECT EXISTING AND AND ATM AT THIS LOCATION. EXTEND EXISTING POWER CIRCUITS TO NEW ATM AND NEW LOCATIONS. (SEE NOTES 51 AND 52).
- 51 EXTEND NEW POWER FROM EXISTING ATM LOCATION TO THIS NEW LOCATION (USE EXISTING CIRCUIT). SEE NOTE 50 FOR EXISTING LOCATION.
- 52 PROVIDE JUNCTION BOX 70" AFF FOR AND POWER. CONNECT TO AND USING FLEXIBLE METALLIC CONDUIT. EXTEND NEW POWER FROM EXISTING AND LOCATION TO THIS NEW LOCATION (USE EXISTING CIRCUIT). SEE NOTE 50 FOR EXISTING LOCATION.
- 53 PROVIDE CONNECTION (USE FLEXIBLE CONDUIT) FOR MECHANICAL FAN (WITH PLUG-IN MOTOR USED AS DISCONNECT). CONNECT TO LOCAL LIGHTING CIRCUIT AHEAD OF SWITCHING.
- 54 DISCONNECT AND REMOVE (TWO) 2 X 4 RECESSED FLUORESCENT LIGHTING FIXTURES THIS AREA. RELOCATE ONE LIGHTING FIXTURE TO NEW ATM / AND ROOM AS INDICATED. CONNECT TO EXISTING LOCAL LIGHTING CIRCUIT (A-4) AHEAD OF SWITCHING. CLEAN AND RELAMP EXISTING FIXTURE BEING USED.
- 55 CONNECT TO CIRCUIT IN EXISTING PANEL A INDICATED.
- 56 CONNECT TO EXISTING 120 VAC OUTDOOR LIGHTING CIRCUIT (ADDITIONAL 168 VA TO CIRCUIT A-20) CONNECT ATM LIGHTING TO EXISTING OUTDOOR LIGHTING CONTRACTOR CIRCUIT. PHOTOCELL OFF. COORDINATE EXISTING LIGHTING CONTRACTOR CIRCUIT.
- 57 CONNECT TO EXISTING 120 VAC OUTDOOR LIGHTING CIRCUIT (ADDITIONAL 150 VA TO CIRCUIT A-20) CONNECT STEP LIGHTING TO EXISTING OUTDOOR LIGHTING CONTRACTOR CIRCUIT. PHOTOCELL OFF. COORDINATE EXISTING LIGHTING CONTRACTOR CIRCUIT.
- 58 - 59 NOT USED.
- 60 PROVIDE ATM TRANSACTION CAMERA. PROVIDE 4 X 4 BOX WITH SINGLE GANG PLASTER RING MOUNTED 60" AFF ON THE RIGHT SIDE OF THE ATM VIEWED FROM THE REAR. PROVIDE 3/4" SECURITY SYSTEM SUPPLIER PRIOR TO ORDERING. COORDINATE WITH EXISTING SECURITY SYSTEM SUPPLIER PRIOR TO ORDERING.
- 61 PROVIDE ATM MACHINE ALARM. PROVIDE 4 X 4 BOX WITH SINGLE GANG PLASTER RING MOUNTED 12" AFF ON THE RIGHT SIDE OF THE ATM VIEWED FROM THE REAR. PROVIDE 3/4" CONDUIT TO SYSTEM SUPPLIER PRIOR TO ORDERING. COORDINATE WITH EXISTING SECURITY SYSTEM SUPPLIER PRIOR TO ORDERING.
- 62 PROVIDE ATM SURVEILLANCE CAMERA. COORDINATE MOUNTING WITH EXISTING CONDITIONS. CONNECT TO EXISTING SECURITY SYSTEM. COORDINATE WITH EXISTING SECURITY SYSTEM SUPPLIER PRIOR TO ORDERING. RECONFIRM EXIST LOCATION PRIOR TO ROUGHING.
- 63 PROVIDE AND ALARM. PROVIDE 4 X 4 BOX WITH SINGLE GANG PLASTER RING MOUNTED FLUSH WITH WALL CENTERED OVER NIGHT DEPOSITORY CHEST AT 79" AFF. PROVIDE 3/4" CONDUIT TO ABOVE CEILING. CONNECT TO EXISTING SECURITY SYSTEM. COORDINATE WITH EXISTING SECURITY SYSTEM SUPPLIER PRIOR TO ORDERING.

SYMBOL	QTY	TYPE	DESC.	MTG.	VOLTS	VA	MFG.	LIGHTING FIXTURE SCHEDULE		REMARKS
								BASE OF DESIGN	MODEL	
G1	2	42W TT	ELECTRONIC RECESSED	120	84			ANP1137X 42WTT	RECESSED COMPACT FLUORESCENT DOWNLIGHT.	
OC	2	15TT	ELECTRONIC RECESSED	120	30			4452-A-2/15TT-120-LV-LP1-D08	RECESSED STEP LIGHT, UL LISTED, WET LOCATION, RATED FOR MOUNTING IN CONCRETE. MOUNT WITH BOTTOM OF FIXTURE 6" ABOVE INDICATED GRADE.	

NO SUBSTITUTIONS. SEE SPECIFICATION SECTIONS 26 51 00 (INTERIOR LIGHTING) AND 26 56 00 (EXTERIOR LIGHTING) FOR ADDITIONAL INFORMATION.

NATIONAL SALES CONTRACT
ALL LIGHTING FIXTURES, PANELBOARDS, DISCONNECTS, CONTRACTORS, AND SIMILAR EQUIPMENT SHALL BE PURCHASED THROUGH WACHOVIA NATIONAL SALES CONTRACT
CONTACT ERIC SWANN (704-587-4025/ERIC.SWANN@WACHOVIA.COM) OR DEBBIE CALDWELL (704-587-4021/DEBBIE.CALDWELL@WACHOVIA.COM) AT GE SUPPLY IN CHARLOTTE, NC FOR PRICING.

Notes:

Revisions:
12-12-07 PERMIT COMMENTS

Scale:

Consultants:

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WACHOVIA
1901 ALTON ROAD
MIAMI BEACH, FLORIDA

ALTON ROAD BRANCH
1901 ALTON ROAD
MIAMI BEACH, FLORIDA

Drawing Number: 1012107

E-01

07-08-07141

Drawn: T. S. S. / T. S. S. by M.E.E.
ELECTRICAL
LEGEND, SCHEDULE, NOTES
SCALE: NONE

GENERAL ELECTRICAL NOTES (ALL "E" DRAWINGS):

1. A. REGULATORY REQUIREMENTS: PROVIDE ALL WORK TO MEET OR EXCEED MINIMUM REGULATORY REQUIREMENTS INCLUDING:
FLORIDA BUILDING CODE, 2004 EDITION WITH 2006 SUPPLEMENT
FLORIDA FIRE PREVENTION CODE, 2004 EDITION
- ADVISE THE PROJECT A/E OF ANY CHANGES IN THE CONTRACT DOCUMENTS THAT MAY BE REQUIRED IN ORDER TO MEET CODE, PRIOR TO WORK (ORDERING, ROUGHING, OR INSTALLATION).
- B. COORDINATION: COORDINATE WITH OTHER WORK FOR AVAILABLE SPACE, SEQUENCE OF INSTALLATION, AND INSTALLATION REQUIREMENTS. PRIOR TO COMMENCING CONSTRUCTION, ADVISE THE PROJECT A/E OF ANY CHANGES IN THE CONTRACT DOCUMENTS THAT MAY BE REQUIRED FOR THE WORK TO BE PERFORMED.
- C. EXISTING FIELD CONDITIONS: THE CONTRACT DOCUMENTS INDICATE THE DESIGN INTENT USING AVAILABLE INFORMATION. THE CONTRACTOR IS TO ADVISE THE PROJECT A/E IF EXISTING CONDITIONS DIFFER FROM THOSE SHOWN. ALSO ADVISE THE PROJECT A/E IF CODE OR SAFETY CONFLICTS EXIST. THE CONTRACTOR IS REQUIRED TO VISIT THE SITE (PRIOR TO THE BID) TO BECOME FAMILIAR WITH CONDITIONS AND INSTALLATION DETAILS THAT WILL AFFECT HIS WORK. CHANGES IN THE CONTRACT SUM AND CONTRACT TIME WILL NOT BE ALLOWED FOR FAILURE TO INVESTIGATE FIELD CONDITIONS. ALL WORK IS NEW, UNLESS NOTED OTHERWISE.
- D. DEVICE LOCATIONS: COORDINATE THE LOCATIONS OF EXISTING LIGHTING FIXTURES, AND OTHER CEILING ITEMS IN THE FIELD. ALSO COORDINATE LOCATIONS OF NEW DEVICES AND OTHER EXISTING WALL ITEMS IN THE FIELD. LOCATE ALL CONDUITS AND WIRING IN FINISHED ROOMS OR SPACES WITHIN CONCEALED LOCATIONS (FURRED CHASES OR SUSPENDED CEILINGS, AS AVAILABLE), UNLESS SPECIFICALLY NOTED OTHERWISE.
- E. SIZES: WHEN A CONDUIT OR CONDUCTOR SIZE IS NOT INDICATED, SIZE THAT CONDUIT OR CONDUCTOR USING THE LARGER ADJACENT UPSTREAM SIZE (IN ACCORDANCE WITH THE NEC), UNLESS A SMALLER SIZE HAS BEEN APPROVED BY THE PROJECT A/E. PROVIDE 1/2" INCH MINIMUM CONDUIT SIZE, UNLESS SPECIFICALLY NOTED OTHERWISE. FOR SIZES NOT INDICATED, CONDUITS SHALL BE SIZED TO INSURE PROPER BENDING RADIUS IN THE CONTRACT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) FOR INFORMATION.
2. THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY SUCH FEES, AS MAY BE NECESSARY FOR INSPECTIONS, TESTS, AND OTHER SERVICES NECESSARY FOR THE COMPLETION OF THIS WORK.
3. CONTRACTOR SHALL VISIT THE SITE AND EXAMINE CONDITIONS OF THE PREMISES AND THE CHARACTER AND EXTENT OF WORK REQUIRED PRIOR TO SUBMISSION OF BIDS. ANY DIFFICULTIES IN COMPARING WITH THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT / ENGINEER BEFORE BIDDING.
4. IT IS THE INTENT OF THESE DRAWINGS AND OTHER RELATED DOCUMENTS TO PRODUCE A COMPLETE MATERIAL AND FUNCTIONING ELECTRICAL SYSTEM. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND OTHER SERVICES AS MAY BE NECESSARY TO ACHIEVE THIS PRODUCT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BRING TO THE ATTENTION OF THE ARCHITECT ANY DISCREPANCIES IN THE PLANS AND SPECIFICATIONS THAT WILL AFFECT THE WORK, PRIOR TO SUBMISSION OF HIS BID PRICE.
5. F. DURING THE COURSE OF THE WORK, THE CONTRACTOR EXPERIENCES A PROBLEM WITH THE PROJECT OR SITE CONDITIONS, OR THE PROJECT OR SITE CONDITIONS ARE NOT AS SHOWN, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF THE PROBLEM. THE CONTRACTOR SHALL BRING THE PROBLEM TO THE ATTENTION OF THE ARCHITECT AND / OR THE ENGINEER FOR RESOLUTION PRIOR TO EXECUTION OF THE WORK.
6. ALL MATERIAL SHALL BE NEW AND BEAR THE U.L. LABEL, LISTED APPROVAL FOR ITS INSTALLED APPLICATION.
7. ALL MAJOR COMPONENTS OF THE ELECTRICAL SYSTEMS, SUCH AS SAFETY DISCONNECT SWITCHES AND PANELBOARDS, SHALL BE BY THE SAME MANUFACTURER AND SHALL BE ONE OF THE FOLLOWING: SQUARE "D" COMPANY, GENERAL ELECTRIC, OR CUTLER-HAMMER.
8. CIRCUIT BREAKERS USED FOR SWITCHING OF LIGHTING OR SIGN CIRCUITS SHALL BE APPROVED FOR SWITCHING DUTY AND SHALL BE MARKED "SWO" IN ACCORDANCE WITH N.E.C. ART. 240.83 (D).
9. PROVIDE "LOCKING" TYPE DEVICES ON ALL CIRCUIT BREAKERS CONNECTED TO EMERGENCY AND NIGHT LIGHTING, SIGNS, FIRE ALARM, SECURITY SYSTEMS, AFTER HOUR DEPOSIT AND AUTOMATIC TELLER MACHINES.
10. ALL SWITCHES, DUPLEX RECEPTACLES, AND TELEPHONE OUTLETS TO BE FLUSH MOUNTED, THROUGHOUT.
11. ALL SERVICE EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. ARTICLE 250.
12. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATIONS OF HVAC EQUIPMENT.
13. SEE REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHT FIXTURES.
14. ELECTRICAL PLANS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS.
15. CONSULT PLANS OF ALL OTHER TRADES FOR COORDINATION AND FOR RELATED AND ADJOINING WORK.
16. CONSULT ARCHITECTURAL AND STRUCTURAL PLANS AND DETAILS FOR CONSTRUCTION TYPE, HEADROOM, ROOM FINISHES, CEILINGS, ETC.
17. ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER AS WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEMS. ALL POWER OUTAGES SHALL BE COORDINATED WITH OWNER.
18. THE CORRECT NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL CIRCUITS. ONLY THOSE WHERE CLARIFICATION IS NECESSARY. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM.
19. ALL EMPTY CONDUIT RUNS IN EXCESS OF 10 FT. SHALL BE PROVIDED WITH A PULL WIRE OR FISH TAPE / CONDU.
20. ALL BRANCH CIRCUIT CONDUCTORS FROM THE PANEL TO THE FIRST OUTLET SHALL BE INCREASED TO THE NEXT LARGER SIZE WHERE THE LENGTH OF THE HOME RUN EXCEEDS 100 FT. ON 120/208V CIRCUITS.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SIZING OF ALL MOTOR OVERLOAD DEVICES (HEATERS) IN STARTERS BASED ON ACTUAL NAMEPLATE RATINGS ON THE MOTORS BEING INSTALLED.
22. CONTRACTOR SHALL NOTE U.L. LABELS ON PACKAGE TYPE MECHANICAL EQUIPMENT. IF U.L. LABEL ON MECHANICAL EQUIPMENT CALLS FOR THE OVERCURRENT PROTECTIVE DEVICE TO BE FUSES, THE CONTRACTOR SHALL PROVIDE FUSES. IF THE EQUIPMENT IS LISTED AS BEING DISCONNECT SWITCH WITH PROPER SIZE FUSES AT THE SWITCH LOCATION INDICATED ON DRAWINGS.
23. CONTRACTOR SHALL VERIFY WIRE SIZES, C/B AND FUSE RATINGS FOR ALL HVAC EQUIPMENT. AND BRING TO THE ATTENTION OF THE ARCHITECT AND / OR THE ENGINEER ANY DISCREPANCIES AFFECTING THE WORK PRIOR TO PROCEEDING.
24. HORSEPOWER RATINGS INDICATED ON DRAWING MAY DIFFER FROM ACTUAL EQUIPMENT FURNISHED. IF FURNISHED EQUIPMENT DIFFERS FROM RATINGS ON DRAWINGS, CONTRACTOR SHALL NOTIFY ARCHITECT AND / OR THE ENGINEER FOR APPROPRIATE ACTION TO BE TAKEN.
25. PROVIDE APPROVED "MOTOR" TYPE CIRCUIT BREAKERS FOR ALL HEATING, AIR CONDITIONING, AND REFRIGERATION EQUIPMENT INDICATED FOR CONNECTION ON ELECTRICAL DRAWINGS.
26. ALL DEVICES AND COVER PLATES SHALL BE CONSTRUCTED OF VOIDED NYLON MATERIALS. COLOR OF DEVICES AND WATCHING COVER PLATES SHALL BE AS SELECTED BY THE ARCHITECT.
27. THE CONTRACTOR SHALL GUARANTEE ALL HIS WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
28. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE SERVICE REQUIREMENTS FOR POWER AND TELEPHONE UTILITIES.

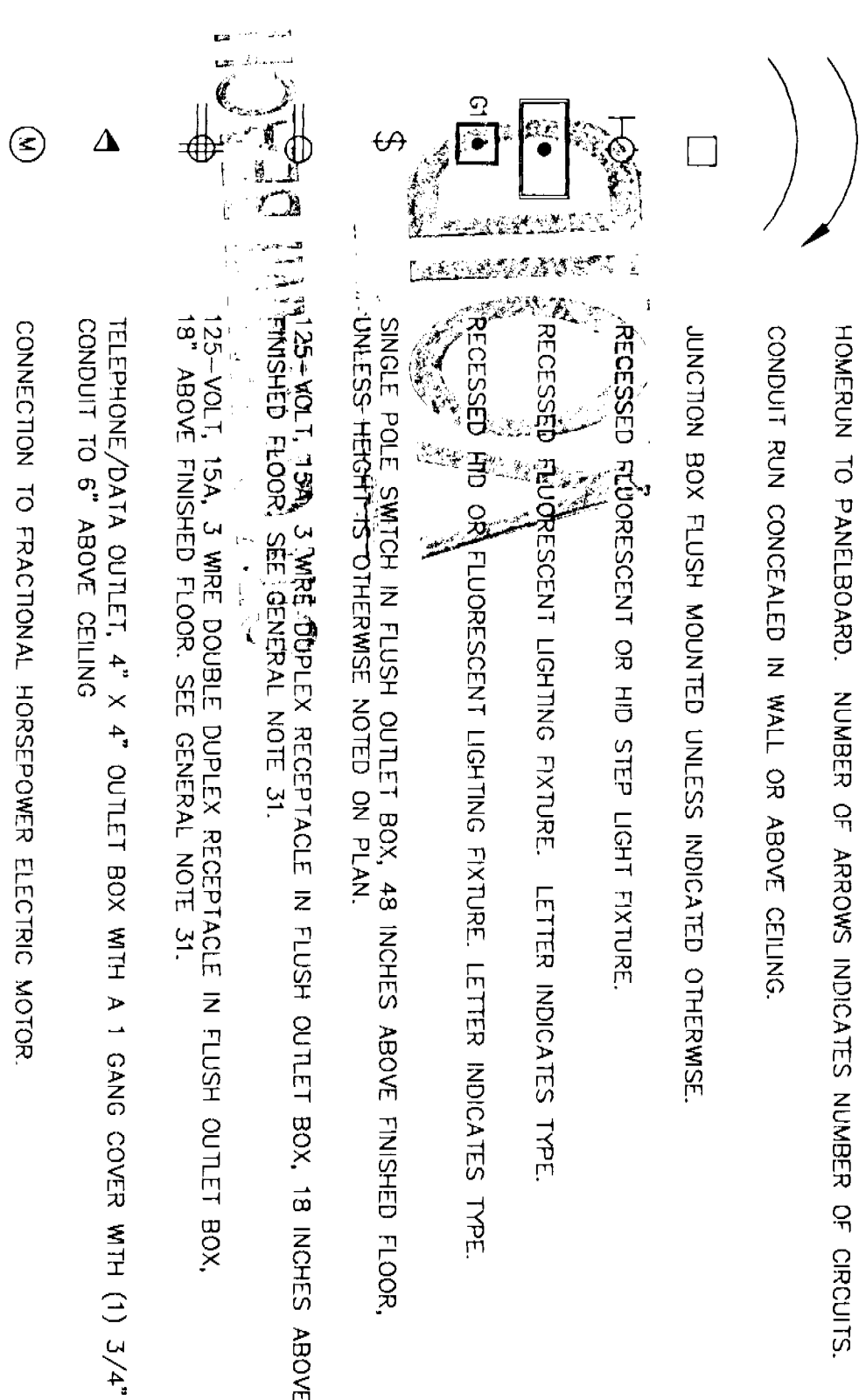
29. PROVIDE A #10 NEUTRAL CONDUCTOR FOR ALL MULTIWIRE RECEPTACLE BRANCH CIRCUITS.
30. FOR ALL EQUIPMENT RATED 100 AMPS OR LESS, E.C. SHALL PROVIDE TERMINATIONS WHICH ARE LISTED FOR USE AT 75 DEGREES C OR PROVIDE WIRING SIZED USING THE 60 DEGREE C AMPACITY.
31. RECEPTACLES ON SEPARATE CIRCUITS SHALL BE RATED 20 AMP, 120 VOLT.
32. WIRE AND CABLE SHALL BE COPPER, TYPE THHN/THWN, MINIMUM #12 AWG.
33. PANELBOARD DIRECTORIES SHALL BE UPDATED TO REFLECT ALL WORK DONE AS PART OF THIS PROJECT.
34. ALL NEW BRANCH CIRCUITS SHALL BE EQUIPPED WITH A MINIMUM #12 AWG GREEN EQUIPMENT GROUND CONDUCTOR.
35. CONDUIT RUN UNDERGROUND SHALL BE PVC SCHEDULE 40. ALL BUILDING WIRING SHALL BE RUN IN METALLIC CONDUIT. INTERIOR CONDUIT SHALL BE EXH. EXTERIOR CONDUIT SHALL BE IMC OR RMC.
36. FOR IG RECEPTACLES, PROVIDE 2#12 GREEN GROUND WIRES IN BRANCH CIRCUIT BACK TO PANELBOARD.
37. - 49. NOT USED.
50. DISCONNECT EXISTING AHD AND AIN AT THIS LOCATION. EXTEND EXISTING POWER CIRCUITS TO NEW AIN AND AHD LOCATIONS (SEE NOTES 51 AND 52).
51. EXTEND NEW POWER FROM EXISTING AIN LOCATION TO THIS NEW LOCATION (USE EXISTING CIRCUIT). SEE NOTE 50 FOR EXISTING LOCATION.
52. PROVIDE JUNCTION BOX 70" AFF FROM AHD POWER. CONNECT TO AND USING FLEXIBLE METALLIC CONDUIT. EXTEND NEW POWER FROM EXISTING AHD LOCATION TO THIS NEW LOCATION (USE EXISTING CIRCUIT). SEE NOTE 50 FOR EXISTING LOCATION.
53. PROVIDE CONNECTION (USE FLEXIBLE CONDUIT) FOR MECHANICAL FAN (WITH PLUG-IN MOTOR USED AS DISCONNECT). CONNECT TO LOCAL LIGHTING CIRCUIT AHEAD OF SWITCHING.
54. DISCONNECT AND REMOVE (TWO) 2 X 4 RECESSED FLUORESCENT LIGHTING FIXTURES THIS AREA. RELOCATE ONE LIGHTING FIXTURE TO NEW AIN / AHD ROOM AS INDICATED. CONNECT TO EXISTING LOCAL LIGHTING CIRCUIT AHEAD OF SWITCHING. CLEAN AND RELAMP EXISTING FIXTURE BEING USED AS DISCONNECT).
55. CONNECT TO EXISTING LOCAL RECEPTACLE CIRCUIT.
56. CONNECT TO EXISTING 120 WAC OUTDOOR LIGHTING CIRCUIT (ADDITIONAL 168 VA). CONNECT AIN LIGHTING TO EXISTING OUTDOOR LIGHTING CIRCUIT CONTROLLED BY PHOTOCELL ON PHOTOCELL OFF. COORDINATE EXISTING LIGHTING CONTRACTOR CIRCUIT.
57. CONNECT TO EXISTING 120 WAC OUTDOOR LIGHTING CIRCUIT (ADDITIONAL 150 VA). CONNECT STEP LIGHTING TO EXISTING OUTDOOR LIGHTING CIRCUIT CONTROLLED BY PHOTOCELL ON PHOTOCELL OFF. COORDINATE EXISTING LIGHTING CONTRACTOR CIRCUIT.
58. - 99. NOT USED.
100. PROVIDE AIN TRANSACTION CAMERA. PROVIDE 4 X 4 BOX WITH SINGLE GANG PLASTER RING MOUNTED 60" AFF ON THE RIGHT SIDE OF THE AIN VIEWED FROM THE REAR. PROVIDE 3/4" CONDUIT TO ABOVE CEILING. CONNECT TO EXISTING SECURITY SYSTEM. COORDINATE WITH EXISTING SECURITY SYSTEM SUPPLIER PRIOR TO ORDERING.
101. PROVIDE AIN MACHINE ALARM. PROVIDE 4 X 4 BOX WITH SINGLE GANG PLASTER RING MOUNTED 12" AFF ON THE RIGHT SIDE OF THE AIN VIEWED FROM THE REAR. PROVIDE 3/4" CONDUIT TO ABOVE CEILING. CONNECT TO EXISTING SECURITY SYSTEM. COORDINATE WITH EXISTING SECURITY SYSTEM SUPPLIER PRIOR TO ORDERING.
102. PROVIDE AIN SURVEILLANCE CAMERA. COORDINATE MOUNTING WITH EXISTING CONDITIONS. CONNECT TO EXISTING SECURITY SYSTEM. COORDINATE WITH EXISTING SECURITY SYSTEM SUPPLIER PRIOR TO ORDERING. RECONFIRM EXACT LOCATION PRIOR TO ROUGHING.
103. PROVIDE AIN ALARM. PROVIDE 4 X 4 BOX WITH SINGLE GANG PLASTER RING MOUNTED FLUSH WITH WALL, CENTERED OVER NIGHT DEPOSITORY CHEST AT 70" AFF. PROVIDE 3/4" CONDUIT TO ABOVE CEILING. CONNECT TO EXISTING SECURITY SYSTEM. COORDINATE WITH EXISTING SECURITY SYSTEM SUPPLIER PRIOR TO ORDERING.

SYMBOL	QTY	TYPE	DESC.	MTG.	FIXTURE	VOLTS	VA	LIGHTING FIXTURE SCHEDULE		REMARKS
								WEG.	MODEL	
G1	2	42W TT	ELECTRONIC RECESSED	120	84			SPEC-	AMP1137X-42RT	RECESSED COMPACT FLUORESCENT DOWNLIGHT.
OC	2	131T	ELECTRONIC RECESSED	120	30			120-LLV-LP-D08	4452-A-2/131T- RECESSED STEP LIGHT. U.L. LISTED. MNT LOCATION RATED FOR MOUNTING IN CONCRETE. MOUNT WITH BOTTOM OF FIXTURE 6" ABOVE INDICATED GRADE.	

NO SUBSTITUTIONS. SEE SPECIFICATION SECTIONS 26 51 00 (INTERIOR LIGHTING) AND 26 56 00 (EXTERIOR LIGHTING) FOR ADDITIONAL INFORMATION.

NATIONAL SALES CONTRACT
ALL LIGHTING FIXTURES, PANELBOARDS, DISCONNECTS, CONTACTORS, AND SIMILAR EQUIPMENT SHALL BE PURCHASED THROUGH WACHOVIA NATIONAL SALES CONTRACT.
CONTACT ERIC SWANN (704-587-4025/ERIC.SWANN@GE.COM) OR DEBBIE CALDWELL (704-587-4021/DEBBIE.CALDWELL@GE.COM) AT GE SUPPLY IN CHARLOTTE, NC FOR PRICING.

ELECTRICAL SYMBOL LEGEND



Notes:

Revisions:

Scale:

Consultants:

WACHOVIA
ARCHITECTURAL ENGINEERING INCORPORATED
3444 EAST LAKE BOULEVARD
CONSTRUCTION ENGINEERS
CONTRACTOR OF RECORDATION
PLANTATION, FL 33465
(727) 794-1472
FL 33684

W. RONALD WOLFEIN FL PE 30270

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WACHOVIA

ALTON ROAD BRANCH
1901 ALTON ROAD
MIAMI BEACH, FLORIDA

Drawing Number

01/21/07

E-01

01-080101d1

Drawing Title/Scale/Drawn by WEE

ELECTRICAL LEGEND, SCHEDULE, NOTES

SCALE: NONE

Revisions:

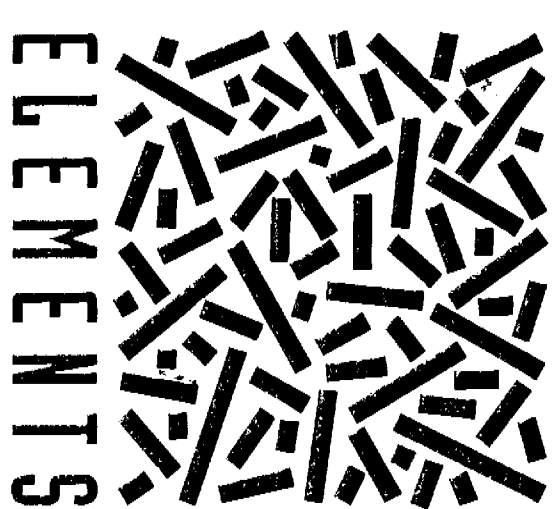
Δ 12-12-07 PERMIT COMMENTS

12-12-07 PERMIT COMMENTS

1891

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3442 EAST LAKE ROAD, PALM HARBOR, FL 34685
CONSULTING ENGINEERS (727) 784-1472
CERTIFICATE OF AUTHORIZATION: FL 3986

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FL PE 30270



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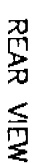
Miami Office
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Miami, Florida 33145
Phone (305) 858-5888
Fax (305) 858-5830

WACHOVIA

10/12/07

Drawing Title/Scale/Drawn by WEE

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

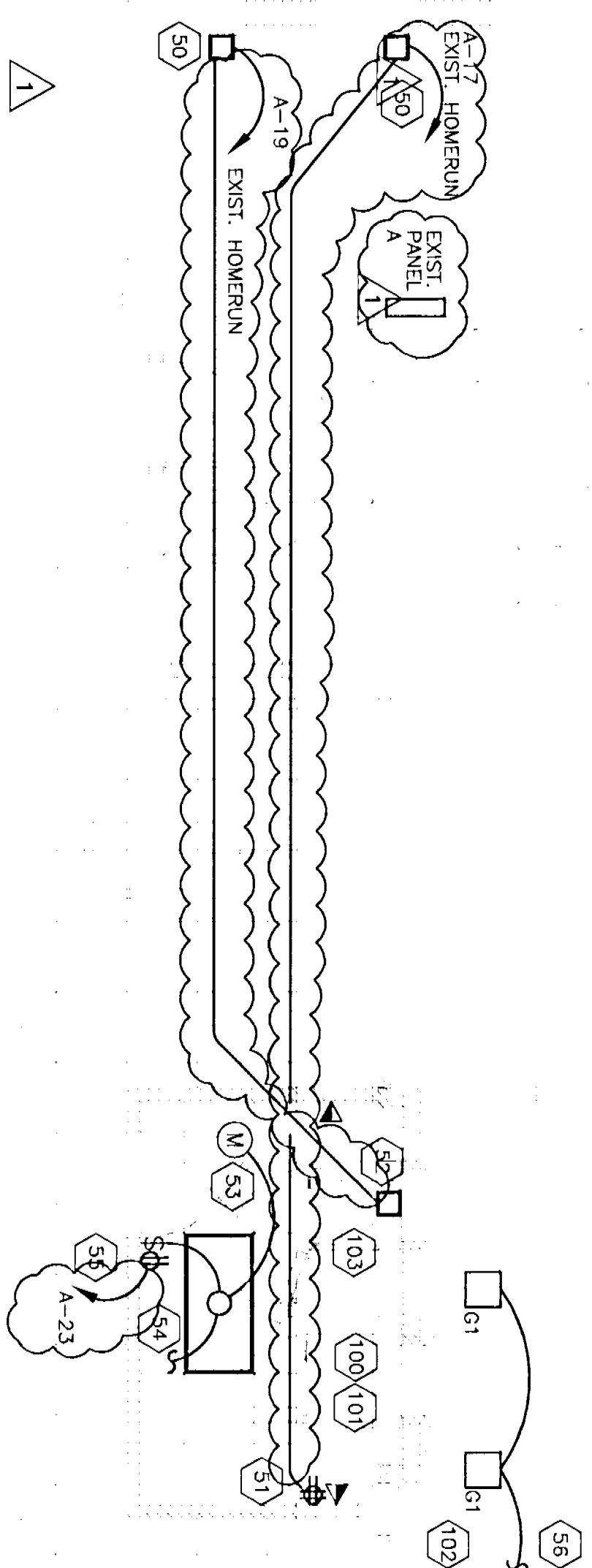


1. JUNCTION BOXES MUST BE PLACED WITHIN 6" OF CONNECTING PLATE. (LENGTH OF ELECTRIC POWER CABLE PROVIDED WITH UNIT) LOCATE TO SUIT BUILDING CONDITIONS.
2. BOXES CAN BE FLUSH MOUNTED WITH CONCEALED CONDUIT FOR NEW CONSTRUCTION OR BOXES CAN BE SURFACE MOUNTED WITH EXPOSED CONDUIT FOR EXISTING CONSTRUCTION.

- ① 1" METAL CONDUIT FROM ALARM CONTROL CABINET TO 3/4"x2 1/8" DEEP JUNCTION BOX (ALL BY ELECTRICAL CONTRACTOR) INTERBOLD TO PROVIDE FLAT COVER WITH TAMPER SWITCH.
- ② JUNCTION BOX FOR POWER TO AIM LOGO, PROVIDE FLEXIBLE CONNECTION TO SIGN.
- ③ E.C. TO RUN 3/4" LIQUID TIGHT FLEX METAL CONDUIT TO CONNECTING PLATE.
- ④ 3/4" METAL CONDUIT AND ONE UNSWITCHED ELECTRICAL CIRCUIT TO 3/4"x2 1/8" DEEP JUNCTION BOX WITH TWO 20A DUPLEX RECEPTACLES.
- ⑤ THE UNIT IS SHIPPED WITH A SIX FOOT COB AND A STANDARD PLUG. BOTTOM CONNECTION MUST BE COMPENSATED ACCORDINGLY. (ALL BY ELECTRICAL CONTRACTOR).
- ⑥ 3/4" METAL CONDUIT FROM VIDEO CONTROL CABINET, JB-13, TO 3/4"x2 1/8" DEEP JUNCTION BOX WITH BLANK COVER. MOUNT J-B-BOX 60" AFF. IN ADDITION TO TYPE C CABLE. INSTALL TEXT INFORMATION CABLE FURNISHED BY THE SECURITY VENDOR.

FOR INTERBOLD DESK TOP MONITOR (7899) NO 300-49-000-B AND C) AND OTHERS, THE CONDUIT FROM THE JUNCTION BOX TO THE MONITOR MUST BE INSTALLED WITHIN 42"-0" CABLE RUN OF THE UNIT.

DATA CABLE MUST BE AT LEAST 2' FROM ANY A.C. POWER CABLE.



SCALE: 1" = 1'-0"

PANEL SCHEDULE												
PANEL: A	LOCATION: MAIN A/C	EXISTING: ---	VOLTS: 200Y/120	PHASE: 3	WIRE: 4	HERTZ: 60						
M/BREAKER: MLO			BRAC: 22,000	ENCL: NEMA 1	MTC: SURFACE							
EXISTING 100 AMP PANEL, GROUND BAR												
DESCRIP. OF LOAD SERVED	BRANCH	BREAKER	VA/PHASE	CKT NO.	CKT	VA/PHASE						
	W	C	A	B	C	A						
E ROOM 103	E	20	1	900	1	1,400						
E ROOM 102	E	20	1	1,000	3	400						
E ROOM 102	E	20	1	1,000	5	1,200						
E ROOM 102	E	20	1	1,000	7	800						
E ROOM 103	E	20	1	640	9	720						
E SIGN	E	20	1	660	10	20						
E SIGN	E	20	1	800	11	20						
E SIGN	E	20	1	800	12	20						
E SIGN	E	20	1	800	13	20						
E SIGN	E	20	1	800	14	20						
E SIGN	E	20	1	800	15	20						
E SIGN	E	20	1	800	16	20						
E SIGN	E	20	1	800	17	20						
E SIGN	E	20	1	800	18	20						
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E SIGN	E	20	1	800	40	20						
E SIGN	E	20	1	800	41	20						
E SIGN	E	20	1	800	42	20						

1. AC RATINGS ARE MINIMUM SYMMETRICAL AMOUNTS			
TOTAL VA/PHASE	3,060	3,160	2,340
2. * INDICATES: SIZED TO NEC	5,030	3,400	3,420
3. ** INDICATES: EXISTING			TOTAL VA/PHASE
4. ** INDICATES: NEW			
5. CONNECTED KVA =	20.410		
6. DEMAND KVA =	20.410		

Revisions:

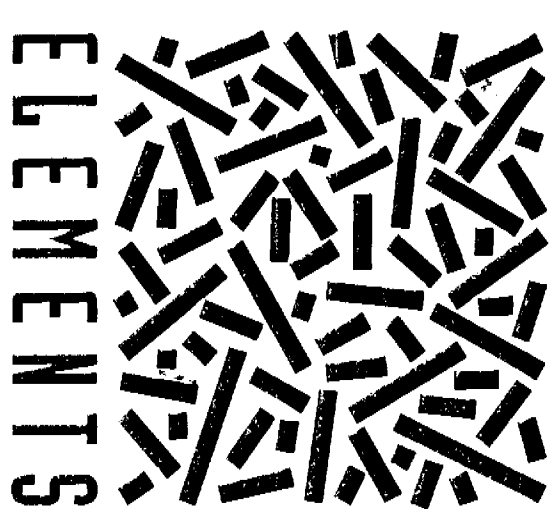
Δ 12-12-07 PERMIT COMMENTS

12-12-07 PERMIT COMMENTS

1891

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Phone (305) 858-5888
Fax (305) 858-5830

WACHOVIA

10/12/07

Drawing Title/Scale/Drawn by WEE

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

1/10/08
1/15/08

8/27/02
 8/28/02
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 12/31/02

**48 HOURS PRIOR TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION
OF UNDERGROUND UTILITIES
SUNSHINE ONE-CALL 1-800-432-4770
CITY OF MIAMI BEACH 305-672-7084**

Phone 305-475-7800 Fax 305-475-7028
E-MAIL: info@pdp.com

THIS IS A REVIEW CONTRACT. A REQUEST FOR
OBTAINING BUILDING PERMITS ONLY.

ALL construction and/or use of equipment in the right to be reviewed by
estimators, requires a PERMITTING PLATE. While a permitment permit. Before
Issued to the owner.

Permit Requirements: Proof of insurance, license, suitable work conditions
(pictures) and references.
(Public Work - Contractors)
* License required prior to
work (affidavit from the City of Miami, Florida is needed)

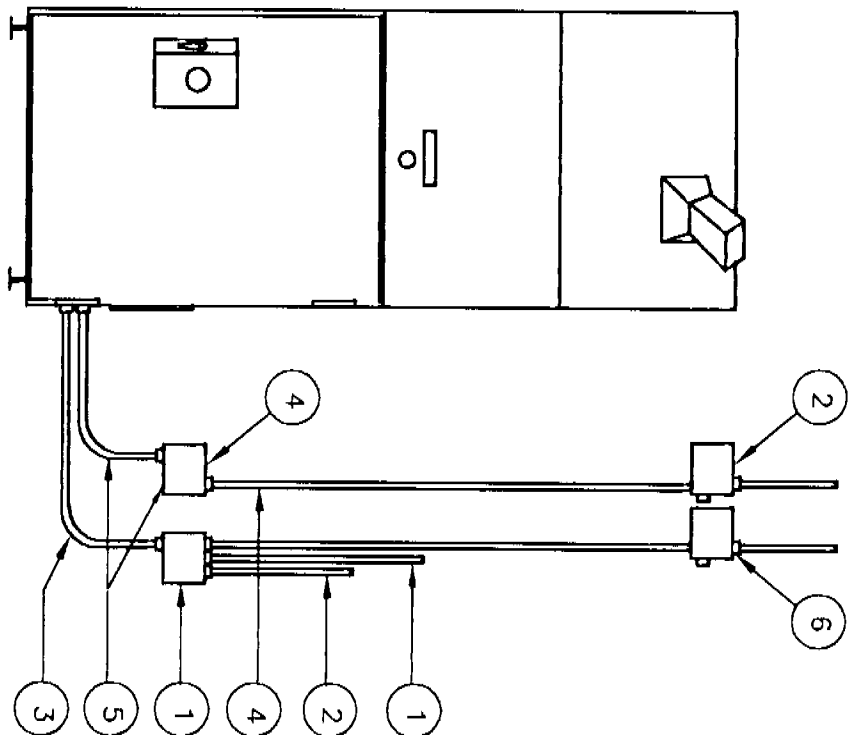
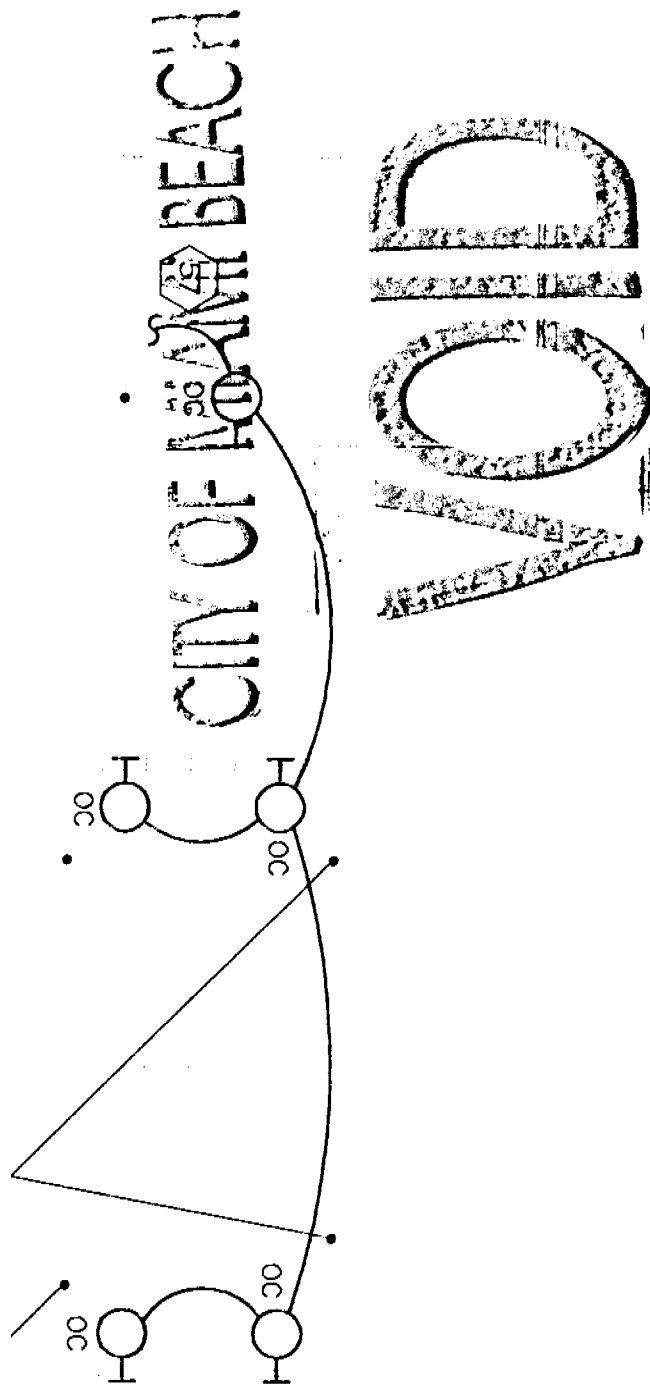
641-01-09-2008

Notes:

Revisions:

Seal:

Mount pictures with bottom
5" above this surface



REAR VIEW

GENERAL NOTES:

1. JUNCTION BOXES MUST BE LOCATED WITHIN 6" OF CONDUIT AND BE PROVIDED WITH ELEC. POWER CABLE PROVIDED WITH UNIT.) LOCATE TO SUIT BUILDING CONDITIONS.
2. BOXES CAN BE FLUSH MOUNTED WITH CONCEALED CONDUIT. UNMOUNTED BOXES CAN BE SURFACE MOUNTED WITH EXPOSED CONDUIT FOR EXISTING CONSTRUCTION.

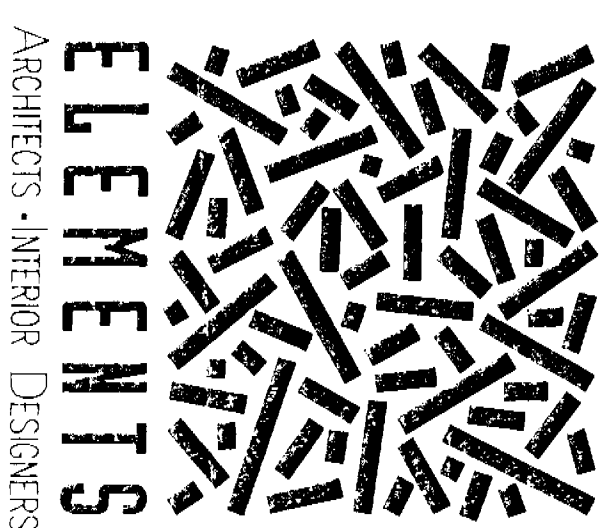
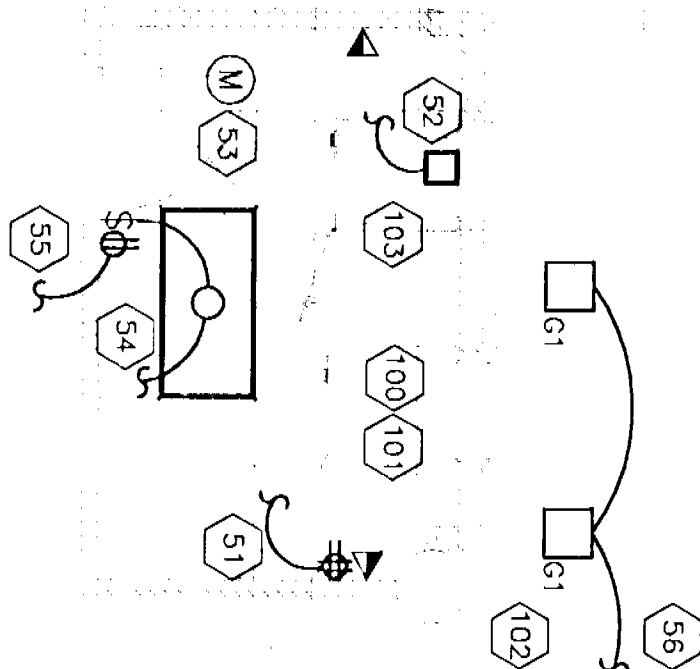
KEY NOTES:

1. 1" METAL CONDUIT FROM ALARM CONTROL CABINET TO 4"x4"x2 1/8" DEEP JUNCTION BOX (ALL BY ELECTRICAL CONTRACTOR) INTERBOLD TO PROVIDE 1-BOX COVER WITH TAPERED SWITCH.
 2. JUNCTION BOX FOR POWER TO ATM LOGO. PROVIDE FLEXIBLE CONNECTION TO SIGN.
 3. E.G. TO RUN 3/4" LIQUID TIGHT FLEX METAL CONDUIT TO CONNECTING PLATE.
 4. 3/4" METAL CONDUIT AND ONE UNSWITCHED ELECTRICAL CIRCUIT WITHIN 6" OF SIDE OR FRONT CONNECTING PLATE. TWO 20A DUPLEX RECEPTACLES WITHIN 6" OF SIDE OR FRONT CONNECTING PLATE. (ALL BY ELECTRICAL CONTRACTOR.)
 5. THE UNIT IS SHIPPED WITH A SIX FOOT CORD AND A STANDARD PLUG.
 6. 3/4" METAL CONDUIT FROM VIDEO CONTROL CABINET, JB-13, TO 4"x4"x2 1/8" DEEP JUNCTION BOX (ALL BY ELECTRICAL CONTRACTOR). INSTALL "TEXT INSERTION" CABLE FURNISHED BY THE SECURITY VENDOR.
- FOR INTERBOLD DESK TOP MODEMS (PRO. NO. 900-49-000-B AND C) AND OTHERS - NO CONDUIT REQUIRED FOR DATA LINE CABLE. MODEM MUST BE INSTALLED WITHIN 42"-0" CABLE RUN OF THE UNIT.
- DATA CABLE MUST BE AT LEAST 2' FROM ANY A.C. POWER CABLE.
- INTERBOLD DESK TOP MODEMS MUST BE WITHIN 6'-0" OF A STANDARD, SINGLE PHASE, THREE-WIRE OUTLET.
- IF EQUIPPED WITH 100-457 IBM LOOP COMMUNICATIONS ADAPTER, ELECTRICAL CONTRACTOR TO PROVIDE CABLES LONG ENOUGH TO ENTER UNIT AND REACH TO ELECTRONICS SECTION MINIMUM 5'-0".

3 ATM ELEVATION
E10 SCALE: NTS

ELECTRICAL - PARTIAL FLOOR PLAN

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



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ELEMENTS Studio License #A4000241



ALTON ROAD BRANCH
1801 ALTON ROAD
MIAMI BEACH, FLORIDA

Drawing by/Dies 10/12/07

E-10

DT-080107141

Drawing Title/Scale/Drawn by WEE

ELECTRICAL

PARTIAL FLOOR PLAN

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

RATIONAL ANALYSIS CALCULATIONS
For
Building Department Comments

Project:
Transfer Bridges for
Wachovia, 1901 Alton Road
Miami Beach, Florida

Date: 05-30-2011

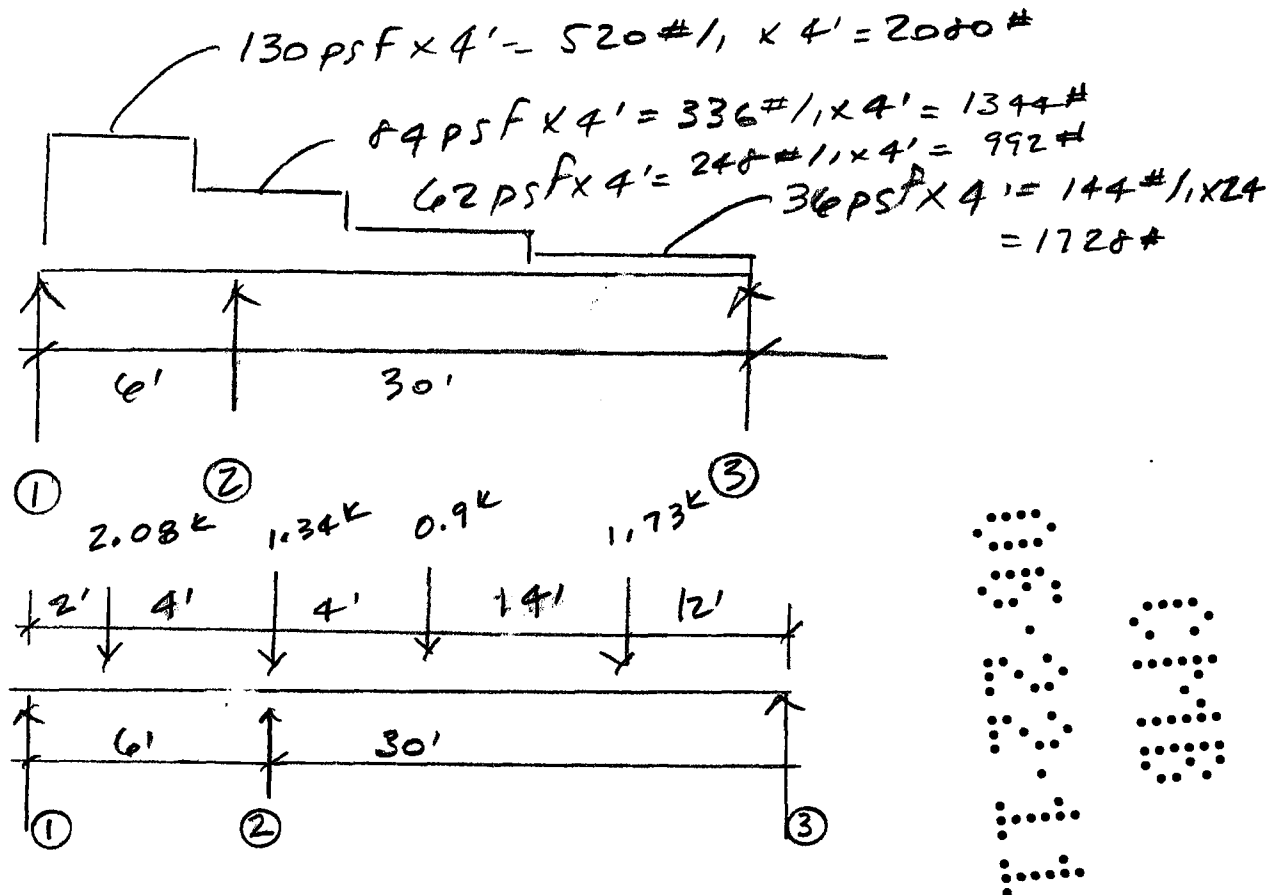
PAGE #1 -3

ALEX KONDRAT & ASSOCIATES, INC.
ALEX KONDRAT P.E. # 58086
C.A. # 00009717
13311 SW 103 TER
MIAMI, FLORIDA 33186

Handwritten:
5/30/11
PAGES 1-3

Alex Kondrat & Associates, Inc.
 Structural Engineers
 P.E. No. 58086, C.A. No. 9717
 Tel: (305) 387-5770 Fax: (305) 387-5769
 Miami, Florida

JOB: WACHOVIA ALTON RD
 SHEET NO. MIAMI BEACH
 CALCULATED BY: AK
 DATE: 5/30/11 1 OF 3
 SCALE: NTS



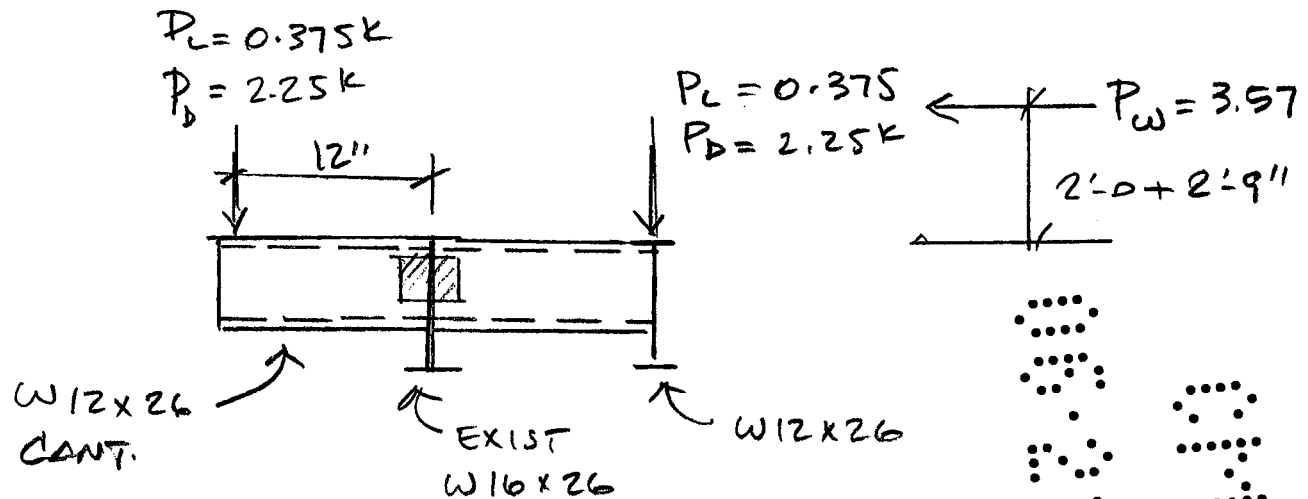
$$\text{REACTION } ① = 2.08 \text{ k} \times \frac{4}{6} = 1.39 \text{ k}$$

$$\text{REACTION } ② = 2.08 \text{ k} \left(\frac{2}{6} \right) + 1.34 \text{ k} + \left(1.73 \text{ k} (12') + 0.9 \text{ k} (28') \right) / 30'$$

$$\text{REACTION } ② = 0.7 \text{ k} + 1.34 \text{ k} + 1.53 \text{ k} = 3.57 \text{ k}$$

$$\text{REACTION } ③ = 0.9 \text{ k} (4') + 1.73 \text{ k} (18') / 30 = 1.16 \text{ k}$$

5/30/11



$$M_W = 3.57K(4.75') = 17K-1$$

$$M_{D+L} = (2.25 + 0.375)(1'-0) = 2.625K-1$$

$$\Sigma M = 19.6K-1$$

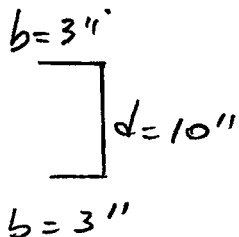
CHECK W12x26 FOR BENDING

$$f_b = \frac{M}{S} = \frac{19.6K-1 \times 12''}{33.4in^3} = 7Ksi \geq F_b = 0.6(36Ksi) = 21.6Ksi \quad (OK)$$

CHECK CONNECTION (SHEAR + BENDING)

$$f = \sqrt{f_v^2 + f_b^2} \quad f_v = \frac{P}{2Lte} = \frac{2.625K}{(2 \times 10 \times 0.176) \times 2} = 373psi$$

$$f_b = \frac{M}{S} = \frac{19.6(12)}{(2)(bd + \frac{d^2}{6})} = \frac{235K-1}{(2)(3 \times 10 + \frac{10^2}{6})} = 2517psi$$



5/30/11

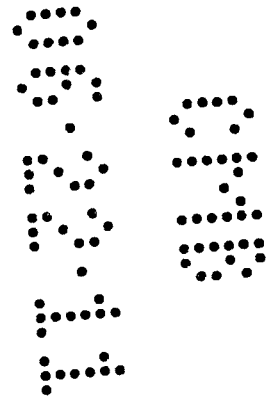
Alex Kondrat & Associates, Inc.
Structural Engineers
P.E. No. 58086, C.A. No. 9717
Tel: (305) 387-5770 Fax: (305) 387-5769
Miami, Florida

JOB: WACHOVIA ALTON RD
SHEET NO. MIAMI BEACH
CALCULATED BY: AK
DATE: 5/30/11 3 OF 3
SCALE: NTS

$$RESULTANT = \sqrt{2517^2 + 373^2} = 2545 \text{ PSI}$$

$$F_{all} = 0.3 F_u = 0.3(70 \text{ KSI}) = 21 \text{ KSI}$$

$$F_{all} = 21 \text{ KSI} \geq 2.5 \text{ KSI} \quad (\text{OK})$$



[Handwritten signature]
5/30/11

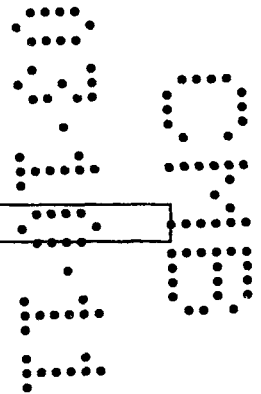
RATIONAL ANALYSIS CALCULATIONS

Project:
Transfer Bridges for
Wachovia, 1901 Alton Road
Miami Beach, Florida

Date: 03-07-2011

PAGE #1 -12

ALEX KONDRAT & ASSOCIATES, INC.
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C.A. # 00009717
13311 SW 103 TER
MIAMI, FLORIDA 33186



Handwritten signature
PAGES 1-12
3/7/11

TABLE OF CONTENTS

Project:
Transfer Bridges for
Wachovia, 1901 Alton Road
Miami Beach, Florida

DESCRIPTION

	PAGE #
• Development of wind loads ASCE 7-05.....	1-2
• Steel Girder reactions (Gravity & Uplift).....	3
• Design of Steel Beams (AISC-05).....	4-7
• Design of Steel Connections (welded & bolted).....	8-9
• Design of concrete pad footing.....	10-12

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13311 SW 103 TER
MIAMI, FLORIDA 33186

1
PAGES 1-12
3/7/11

MECAWind Version 2.0.2.8 per ASCE 7-05

Developed by MECA Enterprises, Inc. Copyright 2011 www.mecaenterprises.com

Date : 3/9/2011 Project No. : CA# 9717
 Company Name : Alex Kondrat & Associates, Inc Designed By : AK PE#58086
 Address : 13311 SW 103 ter Description : Bridge
 City : Miami Customer Name : Wachovia
 State : Florida Proj Location : Alton Road, miami beach
 File Location: C:\Projects\BGA\wachovia alton rd\calcs\WACHOVIA BRIDGE.wnd

User Input Data:

Basic Wind Speed(V)	= 146.00 mph	Structure Type	= Other
Structural Category	= II	Exposure Category	= C
Natural Frequency	= N/A	Flexible Structure	= No
Importance Factor	= 1.00	Kd Directional Factor	= 0.85
Alpha	= 9.50	Zg	= 900.00 ft
At	= 0.11	Bt	= 1.00
Am	= 0.15	Bm	= 0.65
Cc	= 0.20	l	= 500.00 ft
Epsilon	= 0.20	Zmin	= 15.00 ft
B - Horizontal Dim.	= 36.00 ft	Ht- Grade to Top of Sign	= 20.20 ft
W - Sign Depth	= 3.00 ft	S - Vertical Sign Dim.	= 4.00 ft
Bs- Ratio of B / S	= 9.00	Sh- Ratio of S / Ht	= 0.20
E - Solidity Ratio	= 100.00 %		

Main Wind Force Resisting System(MWFRS)

Elev ft	Kz	Kzt	qz psf	W_Pres_Cf (1.84) psf
20.20	0.90	1.00	41.920	65.56
20.00	0.90	1.00	41.833	65.43
10.00	0.85	1.00	39.374	61.58

Note: W_Pres_Cf is Wind Pressure based on Cf(Force Coefficient)

Figure 6-20: Wind Loads for Solid Signs & Freestanding Walls

Case A & Case B

Cf - Force Coefficient	= 1.84
Rd - Reduction Factor $(1-(1-E)^{1.5})$	= 1.00
Kz	= 0.90
Kzt	= 1.00
Qz	= 41.920 psf
Wind Pressure at Elevation 20.2 ft	= 65.564 psf

Notes: 1) Signs with openings comprising < 30% of gross area are considered solid signs

2) Force Coefficients for solid signs with openings shall be multiplied by Rd
 3) Case C only applies when Bs >= 2

Case C

Distance from leading edge ft	Cf Force Coeff.	Kz	Kzt	Qh psf	Wind_Pressure @ Distance psf
From 0 to 4.0	3.65	0.90	1.00	41.92	130.06
From 4.0 to 8.0	2.35	0.90	1.00	41.92	83.74
From 8.0 to 12.0	1.75	0.90	1.00	41.92	62.36
From 12.0 to 36.0	1.00	0.90	1.00	41.92	35.63

RdC - Reduction Factor for Case C ($1.8 - S / Ht$) = 1.00
 Note: When $S / Ht > 0.8$ then Cf must be multiplied by RdC.

Low Rise Bldg Provisions per Fig. 6-10: MWFRS Transverse Direction

Building Surface	GCpf	+GCpi	-GCpi	qh psf	Min P psf	Max P psf
1	0.4	0.18	-0.18	41.92	9.22	24.31
2	-0.69	0.18	-0.18	41.92	-36.47	-21.38
3	-0.37	0.18	-0.18	41.92	-23.06	-7.96
4	-0.29	0.18	-0.18	41.92	-19.70	-4.61
5	-0.45	0.18	-0.18	41.92	-26.41	-11.32
6	-0.45	0.18	-0.18	41.92	-26.41	-11.32
1E	0.61	0.18	-0.18	41.92	18.03	33.12
2E	-1.07	0.18	-0.18	41.92	-52.40	-37.31
3E	-0.53	0.18	-0.18	41.92	-29.76	-14.67
4E	-0.43	0.18	-0.18	41.92	-25.57	-10.48
1T	*	*	*	*	2.31	6.08
2T	*	*	*	*	-9.12	-5.34
3T	*	*	*	*	-5.76	-1.99
4T	*	*	*	*	-4.93	-1.15

Low Rise Bldg Provisions per Fig. 6-10: MWFRS Longitudinal Direction

Building Surface	GCpf	+GCpi	-GCpi	qh psf	Min P psf	Max P psf
1	0.4	0.18	-0.18	41.92	9.22	24.31
2	-0.69	0.18	-0.18	41.92	-36.47	-21.38
3	-0.37	0.18	-0.18	41.92	-23.06	-7.96
4	-0.29	0.18	-0.18	41.92	-19.70	-4.61
5	-0.45	0.18	-0.18	41.92	-26.41	-11.32
6	-0.45	0.18	-0.18	41.92	-26.41	-11.32
1E	0.61	0.18	-0.18	41.92	18.03	33.12
2E	-1.07	0.18	-0.18	41.92	-52.40	-37.31
3E	-0.53	0.18	-0.18	41.92	-29.76	-14.67
4E	-0.43	0.18	-0.18	41.92	-25.57	-10.48
1T	*	*	*	*	2.31	6.08
2T	*	*	*	*	-9.12	-5.34
3T	*	*	*	*	-5.76	-1.99
4T	*	*	*	*	-4.93	-1.15

WACHOVIA ALTON ROAD

- DERIVE LOADS ON BRIDGE

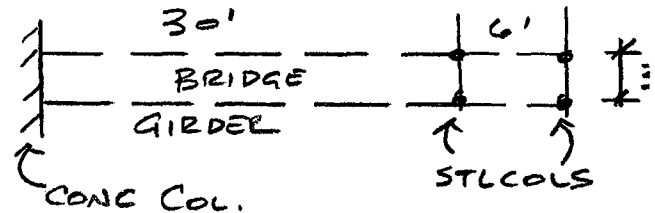
$$\text{GRAVITY} = \text{D.L.} - 15 \text{ psf}$$

$$\text{L.L.} - 30 \text{ psf}$$

LOAD ON EA GIRDER

$$L = 30 \text{ psf} \times 3'-0''/2 = 45 \text{ PLF}, D = 15 \text{ psf} \times 2 \times 3'-0''/2 = 45 \text{ PLF}$$

$$\text{WIND} = 65.6 \text{ psf} \times 3'-0''/2 = 98.4 \text{ PLF}$$



LOAD @ CONC COLUMN

$$G_D = 125 \text{ PLF} \times 30'/2 = 1875 \#$$

$$G_L = 45 \text{ PLF} \times 30'/2 = 675 \#$$

$$U = 98.4 \text{ PLF} \times 30'/2 = 1476 \#$$

$$G_{D+L} = 2550 \#$$

LOAD @ STEEL COL'S

$$G_D = 125 \text{ psf} \times (30 + 6)/2 = 2250 \#, G_D = 125 \times 6'/2 = 375 \#$$

$$U = 98.4 \times (36/2) = 1771 \#, U = 98.4 \times 6'/2 = 295 \#$$

$$G_L = 45 \text{ PLF} (36/2) = 810 \#, G_L = 45 \times 6/2 = 135 \#$$

$$G_{D+L} = 3060 \#$$

$$G_{D+L} = 510 \#$$

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Project Notes :

Job #

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Steel Beam

File: C:\Projects\BGA\wachovia altm rd\calcswachovia altm.ec6
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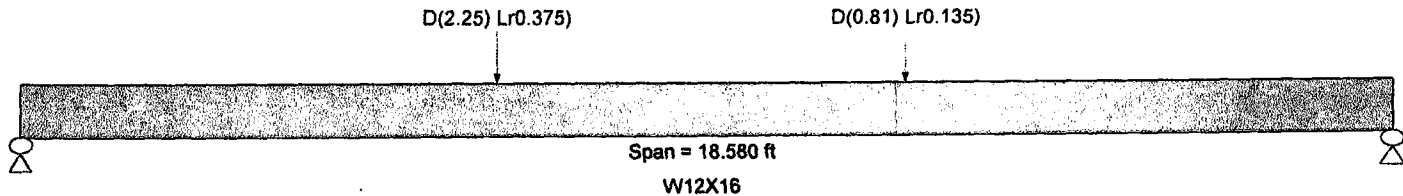
Description: W12X16

Material Properties

Calculations per AISC 360-05, IBC 2009, CBC 2010, ASCE 7-05

Analysis Method: Allowable Stress Design
Beam Bracing: Beam is Fully Braced against lateral-torsion buckling
Bending Axis: Major Axis Bending
Load Combination 2006 IBC & ASCE 7-05

Fy: Steel Yield: 36.0 ksi
E: Modulus: 29,000.0 ksi



Applied Loads

Service loads entered. Load Factors will be applied for calculations.

Beam self weight calculated and added to loads
Load(s) for Span Number 1
Point Load: D = 2.250, Lr = 0.3750 k @ 6.50 ft
Point Load: D = 0.810, Lr = 0.1350 k @ 12.0 ft

DESIGN SUMMARY

Maximum Bending Stress Ratio =	0.385 : 1	Maximum Shear Stress Ratio =	0.058 : 1
Section used for this span	W12X16	Section used for this span	W12X16
Mu : Applied	13.897 k-ft	Vu : Applied	2.190 k
Mn / Omega : Allowable	36.108 k-ft	Vn/Omega : Allowable	68.016 k
Load Combination	+D+Lr+H	Load Combination	+D+Lr+H
Location of maximum on span	6.503ft	Location of maximum on span	0.000 ft
Span # where maximum occurs	Span # 1	Span # where maximum occurs	Span # 1
Maximum Deflection			
Max Downward L+Lr+S Deflection	0.035 in	Ratio =	6362
Max Upward L+Lr+S Deflection	0.000 in	Ratio =	0 < 360
Max Downward Total Deflection	0.260 in	Ratio =	858
Max Upward Total Deflection	0.000 in	Ratio =	0 < 360

Design OK

Maximum Forces & Stresses for Load Combinations

Load Combination	Segment Length	Span #	Max Stress Ratios		Summary of Moment Values							Summary of Shear Values		
			M	V	Mmax +	Mmax -	Ma - Max	Mnx	Mnx/Omega	Cb	Rm	Va Max	Vnx	Vnx/Omega
Overall MAXimum Envelope														
Dsgn. L = 18.58 ft		1	0.385	0.058	13.90		13.90	60.30	36.11	1.00	1.00	2.19	57.02	38.02
+D														
Dsgn. L = 18.58 ft		1	0.332	0.050	12.00		12.00	60.30	36.11	1.00	1.00	1.90	57.02	38.02
+D+Lr+H														
Dsgn. L = 18.58 ft		1	0.385	0.058	13.90		13.90	60.30	36.11	1.00	1.00	2.19	57.02	38.02
+D+0.750Lr+0.750L+H														
Dsgn. L = 18.58 ft		1	0.372	0.056	13.42		13.42	60.30	36.11	1.00	1.00	2.12	57.02	38.02
+D+0.750Lr+0.750L+0.750W+H														
Dsgn. L = 18.58 ft		1	0.372	0.056	13.42		13.42	60.30	36.11	1.00	1.00	2.12	57.02	38.02
+D+0.750Lr+0.750L+0.5250E+H														
Dsgn. L = 18.58 ft		1	0.372	0.056	13.42		13.42	60.30	36.11	1.00	1.00	2.12	57.02	38.02

Overall Maximum Deflections - Unfactored Loads

Load Combination	Span	Max. "+" Defl	Location in Span	Load Combination	Max. "+" Defl	Location in Span
D+Lr	1	0.2598	9.011		0.0000	0.000

Vertical Reactions - Unfactored

Support notation: Far left is #1

Values in KIPS

Load Combination	Support 1	Support 2
Overall MAXimum	2.190	1.678
D Only	1.899	1.459
Lr Only	0.292	0.218
D+Lr	2.190	1.678

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Steel Beam

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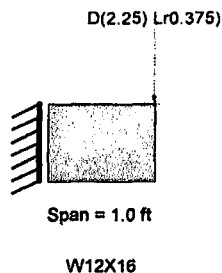
Description: W12X16 CANTILEVER

Material Properties

Analysis Method: Allowable Stress Design
Beam Bracing: Beam is Fully Braced against lateral-torsion buckling
Bending Axis: Major Axis Bending
Load Combination 2006 IBC & ASCE 7-05

Calculations per AISC 360-05, IBC 2009, CBC 2010, ASCE 7-05

Fy: Steel Yield: 36.0 ksi
E: Modulus: 29,000.0 ksi



Applied Loads

Service loads entered. Load Factors will be applied for calculations.

Beam self weight calculated and added to loads
Load(s) for Span Number 1
Point Load: D = 2.250, Lr = 0.3750 k @ 1.0 ft

DESIGN SUMMARY

Maximum Bending Stress Ratio =
Section used for this span
Mu: Applied
Mn / Omega: Allowable
Load Combination
Location of maximum on span
Span # where maximum occurs

0.073: 1
W12X16
2.633 k-ft
36.108 k-ft
+D+Lr+H
0.000ft
Span # 1

Maximum Shear Stress Ratio =
Section used for this span
Vu: Applied
Vn/Omega: Allowable
Load Combination
Location of maximum on span
Span # where maximum occurs

Maximum Deflection
Max Downward L+Lr+S Deflection
Max Upward L+Lr+S Deflection
Max Downward Total Deflection
Max Upward Total Deflection

0.000 in Ratio = 0 < 360
0.000 in Ratio = 0 < 360
0.001 in Ratio = 47482
0.000 in Ratio = 0 < 360

Design OK
0.069: 1
W12X16
2.641 k
38.016 k
+D+Lr+H
0.000 ft
Span # 1

Maximum Forces & Stresses for Load Combinations

Load Combination	Segment Length	Span #	Max Stress Ratios		Summary of Moment Values							Summary of Shear Values		
			M	V	Mmax +	Mmax -	Ma - Max	Mnx	Mnx/Omega	Cb	Rm	Va Max	Vnx	Vnx/Omega
Overall MAXimum Envelope														
Dsgn. L = 1.00 ft		1	0.073	0.069		-2.63	2.63	60.30	36.11	1.00	1.00	2.64	57.02	38.02
+D														
Dsgn. L = 1.00 ft		1	0.063	0.060		-2.26	2.26	60.30	36.11	1.00	1.00	2.27	57.02	38.02
+D+Lr+H														
Dsgn. L = 1.00 ft		1	0.073	0.069		-2.63	2.63	60.30	36.11	1.00	1.00	2.64	57.02	38.02
+D+0.750Lr+0.750L+H														
Dsgn. L = 1.00 ft		1	0.070	0.067		-2.54	2.54	60.30	36.11	1.00	1.00	2.55	57.02	38.02
+D+0.750Lr+0.750L+0.750W+H														
Dsgn. L = 1.00 ft		1	0.070	0.067		-2.54	2.54	60.30	36.11	1.00	1.00	2.55	57.02	38.02
+D+0.750Lr+0.750L+0.5250E+H														
Dsgn. L = 1.00 ft		1	0.070	0.067		-2.54	2.54	60.30	36.11	1.00	1.00	2.55	57.02	38.02

Overall Maximum Deflections - Unfactored Loads

Load Combination	Span	Max. "-" Defl	Location in Span	Load Combination	Max. "+" Defl	Location in Span
D+Lr	1	0.0005	1.000		0.0000	0.000

Vertical Reactions - Unfactored

Support notation: Far left is #1

Values in KIPS

Load Combination	Support 1	Support 2
Overall MAXimum	2.641	
D Only	2.266	
Lr Only	0.375	
D+Lr	2.641	

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SHEET NO.
CALCULATED BY: AK
DATE: 3/7/11
SCALE: NTS

6

LOADS ON EXIST W16x26 BEAM

$$\begin{aligned}\text{EXIST ROOF L} &- 30 \text{ psf} \times (11.33/2 + 2.5') = 245 \#/\text{ft} \\ \text{D} &- 15 \text{ psf} \times (11.33/2 + 2.5') = 122 \#/\text{ft}\end{aligned}$$

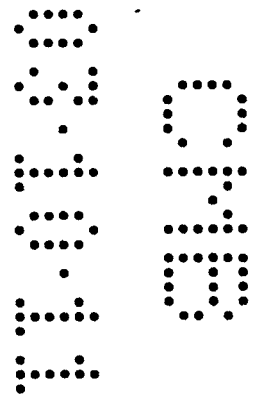
FROM PREVIOUS CALCS

STEEL COLUMN LOADS

$$P_D - 2.25 \text{ K}, P_L - 0.375 \text{ K}$$

$$P_D - 0.81 \text{ K}, P_L - 0.135 \text{ K}$$

(SEE OVERALL ANALYSIS)



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Steel Beam

File: C:\Projects\BGA\wachovia\allan rd\allan rd\wachovia\allan rd.ec6
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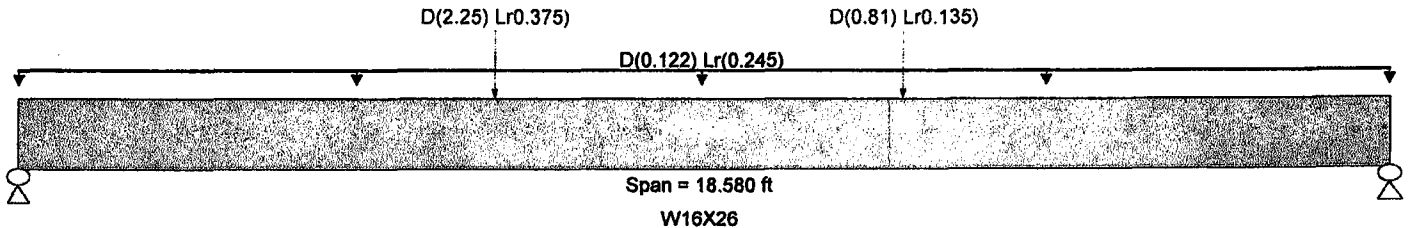
Description: W16x26 EXISTING

Material Properties

Analysis Method: Allowable Stress Design
Beam Bracing: Beam is Fully Braced against lateral-torsion buckling
Bending Axis: Major Axis Bending
Load Combination 2006 IBC & ASCE 7-05

Calculations per AISC 360-05, IBC 2009, CBC 2010, ASCE 7-05

Fy: Steel Yield: 36.0 ksi
E: Modulus: 29,000.0 ksi



Applied Loads

Service loads entered. Load Factors will be applied for calculations.

Beam self weight calculated and added to loads

Load(s) for Span Number 1

Point Load: D = 2.250, Lr = 0.375 k @ 6.50 ft

Point Load: D = 0.810, Lr = 0.135 k @ 12.0 ft

Uniform Load: D = 0.1220, Lr = 0.2450 k/ft, Tributary Width = 1.0 ft

DESIGN SUMMARY

Design OK

Maximum Bending Stress Ratio =
Section used for this span
Mu: Applied
Mn / Omega: Allowable

0.366 : 1
W16X26
29.038 k-ft
79.401 k-ft

Maximum Shear Stress Ratio =
Section used for this span
Vu: Applied
Vn / Omega: Allowable

Load Combination
Location of maximum on span
Span # where maximum occurs

+D+Lr+H
7.804 ft
Span # 1

Load Combination
Location of maximum on span
Span # where maximum occurs

0.101 : 1
W16X26
5.694 k
56.520 k
+D+Lr+H
0.000 ft
Span # 1

Maximum Deflection

Max Downward L+Lr+S Deflection
Max Upward L+Lr+S Deflection
Max Downward Total Deflection
Max Upward Total Deflection

0.088 in Ratio = 2538
0.000 in Ratio = 0 < 360
0.206 in Ratio = 1084
0.000 in Ratio = 0 < 360

Maximum Forces & Stresses for Load Combinations

Load Combination	Segment Length	Span #	Max Stress Ratios		Summary of Moment Values							Summary of Shear Values		
			M	V	Mmax +	Mmax -	Ma - Max	Mnx	Mnx/Omega	Cb	Rm	Va Max	Vnx	Vnx/Omega
Overall MAXimum Envelope	Dsgn. L = 18.58 ft	1	0.366	0.101	29.04		29.04	132.60	79.40	1.00	1.00	5.69	84.78	56.52
+D	Dsgn. L = 18.58 ft	1	0.216	0.055	17.19		17.19	132.60	79.40	1.00	1.00	3.13	84.78	56.52
+D+Lr+H	Dsgn. L = 18.58 ft	1	0.366	0.101	29.04		29.04	132.60	79.40	1.00	1.00	5.69	84.78	56.52
+D+0.750Lr+0.750L+H	Dsgn. L = 18.58 ft	1	0.328	0.089	26.02		26.02	132.60	79.40	1.00	1.00	5.05	84.78	56.52
+D+0.750Lr+0.750L+0.750W+H	Dsgn. L = 18.58 ft	1	0.328	0.089	26.02		26.02	132.60	79.40	1.00	1.00	5.05	84.78	56.52
+D+0.750Lr+0.750L+0.5250E+H	Dsgn. L = 18.58 ft	1	0.328	0.089	26.02		26.02	132.60	79.40	1.00	1.00	5.05	84.78	56.52

Overall Maximum Deflections - Unfactored Loads

Load Combination	Span	Max. "-" Defl	Location in Span	Load Combination	Max. "+" Defl	Location in Span
D+Lr	1	0.2056	9.197		0.0000	0.000

Vertical Reactions - Unfactored

Support notation: Far left is #1

Values in KIPS

Load Combination	Support 1	Support 2
Overall MAXimum	5.694	5.181
D Only	3.126	2.687
Lr Only	2.568	2.494
D+Lr	5.694	5.181

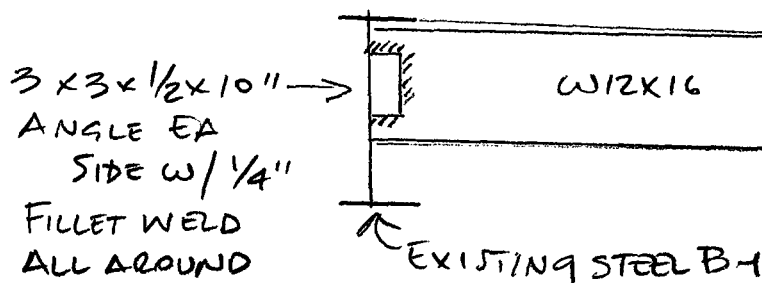
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 Miami, Florida

JOB: Wachovia Alton Road
 SHEET NO.
 CALCULATED BY: AK
 DATE: 3/7/11
 SCALE: NTS

8

CHECK WELDED CONNECTION
@ W12X16 CANTILEVER

$P_D = 2.25K$
 $P_L = 0.375K$



CHECK SHEAR + BENDING $f = \sqrt{f_v^2 + f_b^2}$

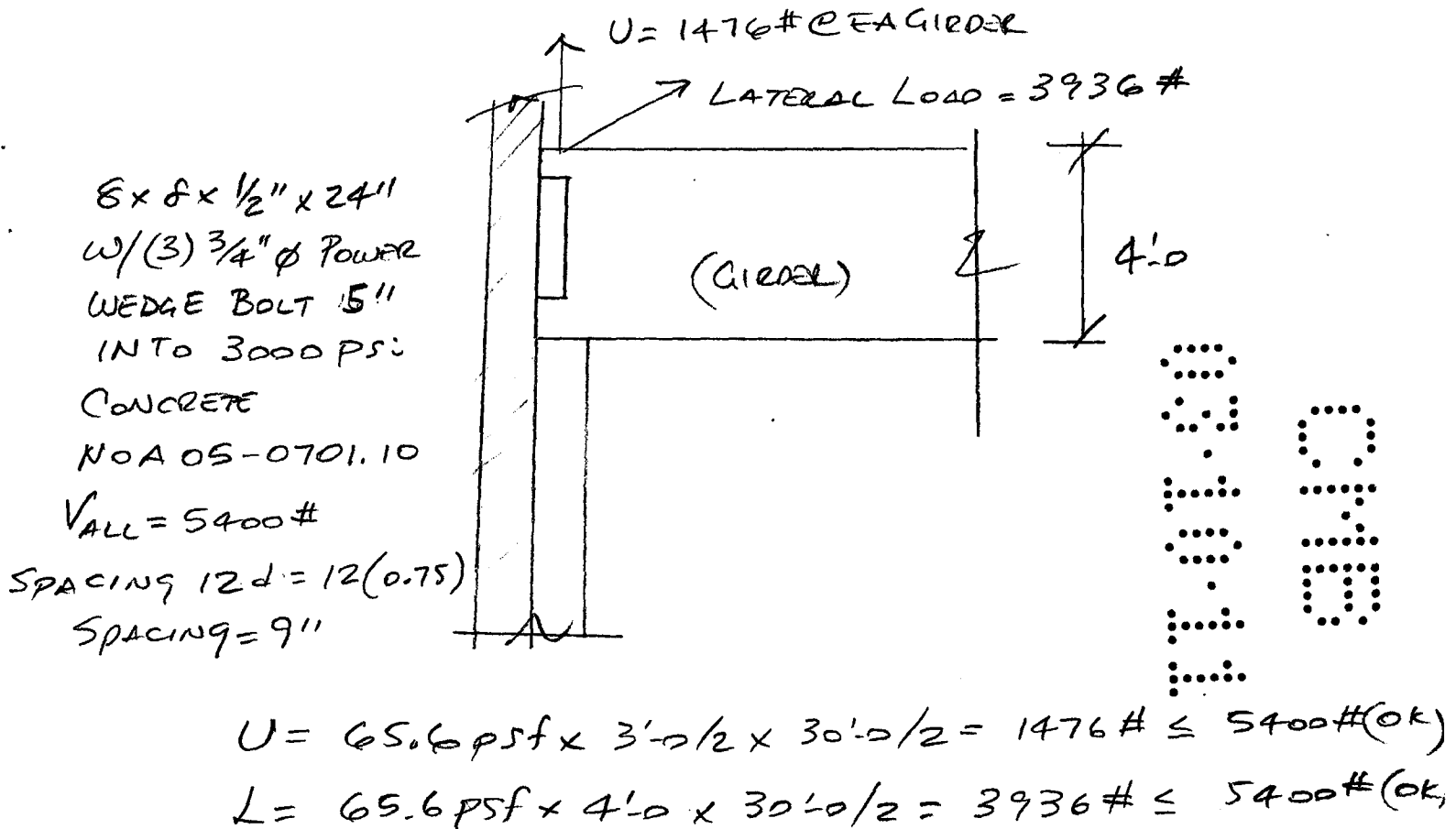
SHEAR STRESS $f_v = \frac{P}{2L t_e} = \frac{2.625K}{(2)(10)(0.176)} = 373 \text{ psi}$
 $t_e = 0.707w = 0.707(1/4) = 0.176"$

BENDING STRESS $f_b = \frac{M}{S}$ $M = 2.625 \times 12" = 31.5K"$
 $b = 3"$ $d = 10"$ $S = bd + \frac{d^2}{6} = (3)(10) + \frac{(10)^2}{6} = 46.67$
 $f_b = \frac{31.5}{23.3} = 1352 \text{ psi}$ $46.67 \times 2 = 93.3$
 $93.3 \times 1/4" = 23.3"$

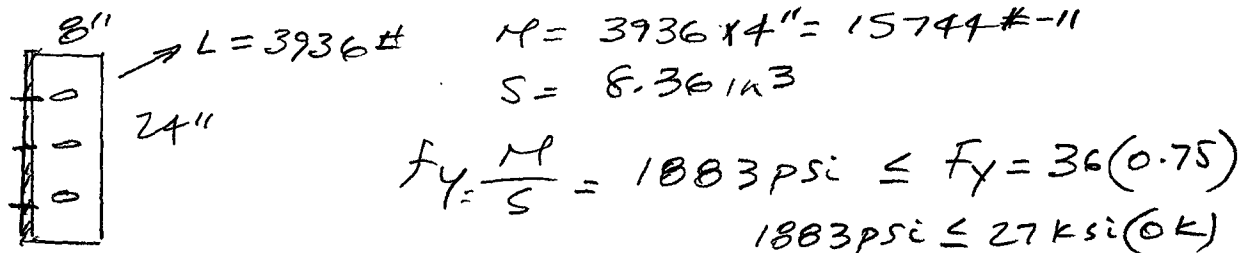
RESULTANT $= \sqrt{373^2 + 1352^2}$ BASED ON UNITY
 $R = 1402 \text{ psi}$

$F_{ALLOWABLE} = 0.3 F_u = 0.3(70K \text{ psi})$
 $F_A = 21K \text{ psi} \geq 1.4K \text{ psi (OK)}$

CHECK UPLIFT CONNECTION (STEEL GIRDER)



CHECK ANGLE FOR BENDING



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 CALCULATED BY: AK
 DATE: 3/7/11
 SCALE: NTS

10

VERIFY LOAD ON NEW PAD FOOTING

LOAD FROM GIRDER

$$G = 1013 \# \times 2 = 2026 \#$$

DEAD LOAD COL

$$P = 8 \times 4'-6 \times 150 \text{ pcf} \times 11'-8"$$

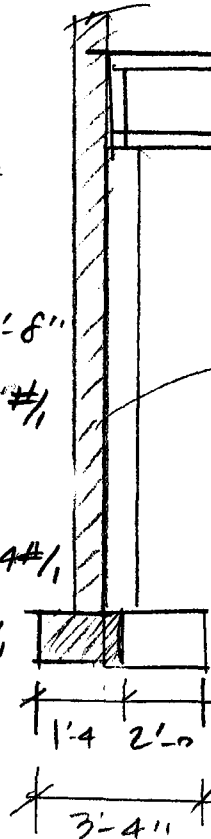
$$P = 5278 \# / 8'-0 = 660 \# /$$

$$\Sigma D = (.33)(2026) / 8'-0 = 84 \# /$$

$$\Sigma D = 660 + 84 = 744 \# /$$

$$\Sigma L = (0.67)(2026) = 1357 \# /$$

$$\Sigma L = 170 \# /$$



EXISTING WALL

$$60 \text{ pcf} \times 20.5' = 1230 \# /$$

EXISTING ROOF

$$\text{LIVE } 30 \text{ psf} \times 83' / 2 = 495 \# /$$

$$\text{DEAD } 25 \text{ psf} \times 83' / 2 = 413 \# /$$

$$\Sigma D = 1643 \# /$$

$$\Sigma L = 495 \# /$$

$$\text{TOTAL LOADINGS} = D - 744 + 1643 = 2387 \# /$$

$$L - 170 + 495 = 665 \# /$$

(SEE OVERALL CALCULATION)

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Project Notes :

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Wall Footing

File: C:\Projects\BGA\wachovia a110n rd\calc\wachovia a110n.ec8
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Description: 2'-0"X8'-0" pad

General Information

Calculations per ACI 318-08, IBC 2009, CBC 2010, ASCE 7-05

Material Properties

fc : Concrete 28 day strength	=	3.0 ksi
fy : Rebar Yield	=	60.0 ksi
Ec : Concrete Elastic Modulus	=	3,122.0 ksi
Concrete Density	=	145.0 pcf
φ Values Flexure	=	0.90
Shear	=	0.750

Analysis Settings

Min Steel % Bending Reinf.	=	0.00140
Min Allow % Temp Reinf.	=	0.00180
Min. Overturning Safety Factor	=	1.50 : 1
Min. Sliding Safety Factor	=	1.50 : 1
AutoCalc Footing Weight as DL	:	Yes

Soil Design Values

Allowable Soil Bearing	=	2.50 ksf
Increase Bearing By Footing Weight	=	No
Soil Passive Resistance (for Sliding)	=	250.0 pcf
Soil/Concrete Friction Coeff.	=	0.30

Increases based on footing Depth

Reference Depth below Surface	=	ft
Allow. Pressure Increase per foot of depth when base footing is below	=	ksf ft

Increases based on footing Width

Allow. Pressure Increase per foot of width when footing is wider than	=	ksf ft
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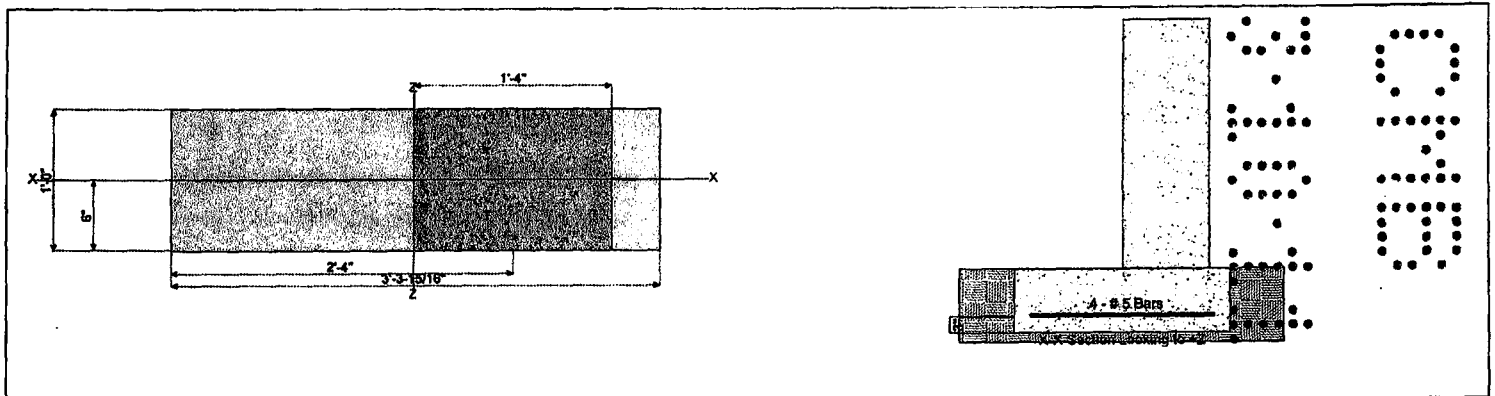
Dimensions

Footing Width	=	3.330 ft
Wall Thickness	=	16.0 in
Wall center offset from center of footing	=	8 in

Footing Thickness	=	12.0 in
Rebar Centerline to Edge of Concrete.. at Bottom of footing	=	3.0 in

Reinforcing

Bars along X-X Axis	=	12.00
Bar spacing	=	# 5
Reinforcing Bar Size	=	# 5



Applied Loads

	D	Lr	L	S	W	E	H
P : Column Load	=	2.387	0.6650				k
OB : Overburden	=						ksf
V-x	=						k
M-zz	=						k-ft
Vx applied	=						In above top of footing

DESIGN SUMMARY

Design OK

	Min. Ratio	Item	Applied	Capacity	Governing Load Combination
PASS	0.8594	Soil Bearing	2.148 ksf	2.50 ksf	+D+L+H
PASS	n/a	Overturning - Z-Z	0.0 k-ft	0.0 k-ft	No Overturning
PASS	n/a	Sliding - X-X	0.0 k	0.0 k	No Sliding
PASS	n/a	Uplift	0.0 k	0.0 k	No Uplift
PASS	0.01288	Z Flexure (+X)	0.1562 k-ft	12.131 k-ft	+1.20D+0.50Lr+1.60L+
PASS	0.06922	Z Flexure (-X)	0.8397 k-ft	12.131 k-ft	+1.40D
PASS	n/a	1-way Shear (+X)	0.0 psi	82.158 psi	n/a
PASS	0.1605	1-way Shear (-X)	13.189 psi	82.158 psi	+1.20D+0.50Lr+1.60L+

Alex Kondrat & Assoc, Inc.
13311 SW 103 ter
Miami, FL 33186
PE 58086, CA 9717

Title :
Dsgnr:
Project Desc.:
Project Notes :

Job #

12

Printed: 9 MAR 2011, 12:29AM

Wall Footing

File: C:\Projects\BGA\wachovia elton rd\calc\wachovia elton.ec6
ENERCALC, INC. 1983-2011, Ver. 6.2.00, N-24267

Lic. #: KW-06006846

Licensee: ALEX KONDRAT & ASSOCIATES INC

Description: 2'-0"x8'-0" pad

Detailed Results

Soil Bearing

Rotation Axis & Load Combination...	Gross Allowable	Xecc	Zecc	+Z	Actual Soil Bearing Stress +Z -X	-X	Actual / Allowable Ratio
Z-Z, +D	2.50 ksf	6.654 in			0.01226 ksf	1.711 ksf	0.685
Z-Z, +D+L+H	2.50 ksf	6.907 in			0.0 ksf	2.148 ksf	0.859
Z-Z, +D+0.750Lr+0.750L+H	2.50 ksf	6.853 in			0.0 ksf	2.039 ksf	0.816
Z-Z, +D+0.750L+0.750S+H	2.50 ksf	6.853 in			0.0 ksf	2.039 ksf	0.816
Z-Z, +D+0.750Lr+0.750L+0.750W+H	2.50 ksf	6.853 in			0.0 ksf	2.039 ksf	0.816
Z-Z, +D+0.750L+0.750S+0.750W+H	2.50 ksf	6.853 in			0.0 ksf	2.039 ksf	0.816
Z-Z, +D+0.750Lr+0.750L+0.5250E+H	2.50 ksf	6.853 in			0.0 ksf	2.039 ksf	0.816
Z-Z, +D+0.750L+0.750S+0.5250E+H	2.50 ksf	6.853 in			0.0 ksf	2.039 ksf	0.816

Units: k-ft

Overturning Stability

Rotation Axis & Load Combination...	Overturning Moment	Resisting Moment	Stability Ratio	Status
-------------------------------------	--------------------	------------------	-----------------	--------

Footing Has NO Overturning

Sliding Stability

Force Application Axis

Load Combination...	Sliding Force	Resisting Force	Sliding Safety Ratio	Status
---------------------	---------------	-----------------	----------------------	--------

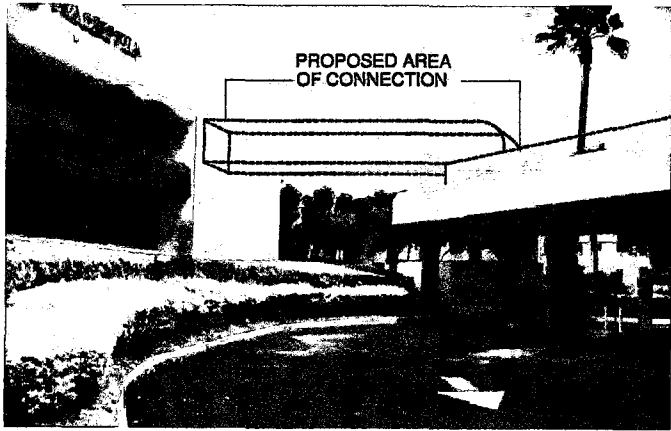
Footing Has NO Sliding

Footing Flexure

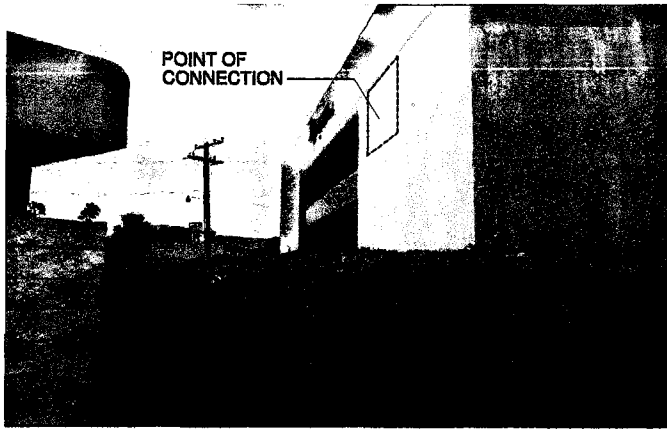
Flexure Axis & Load Combination	Mu k-ft	Which Side ?	Tension @ Bot. or Top ?	As Req'd in^2	Gvrn. As in^2	Actual As in^2	Phi*Mu k-ft	Status
Z-Z, +1.40D	0.8397	-X	Bottom	0.0276	Calc'd Bending	0	12.131	OK
Z-Z, +1.40D	0.1389	+X	Bottom	0.0046	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+0.50Lr+1.60L+1.60H	0.8089	-X	Bottom	0.0266	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+0.50Lr+1.60L+1.60H	0.1562	+X	Bottom	0.0051	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+1.60L+0.50S+1.60H	0.8089	-X	Bottom	0.0266	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+1.60L+0.50S+1.60H	0.1562	+X	Bottom	0.0051	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+1.60Lr+0.50L	0.7473	-X	Bottom	0.0246	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+1.60Lr+0.50L	0.1306	+X	Bottom	0.0043	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+0.50L+1.60S	0.7473	-X	Bottom	0.0246	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+0.50L+1.60S	0.1306	+X	Bottom	0.0043	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+0.50Lr+0.50L+1.60W	0.7473	-X	Bottom	0.0246	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+0.50Lr+0.50L+1.60W	0.1306	+X	Bottom	0.0043	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+0.50L+0.50S+1.60W	0.7473	-X	Bottom	0.0246	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+0.50L+0.50S+1.60W	0.1306	+X	Bottom	0.0043	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+0.50L+0.20S+E	0.7473	-X	Bottom	0.0246	Calc'd Bending	0	12.131	OK
Z-Z, +1.20D+0.50L+0.20S+E	0.1306	+X	Bottom	0.0043	Calc'd Bending	0	12.131	OK

Units: k

Load Combination...	Vu @ -X	Vu @ +X	Vu:Max	Phi Vn	Vu / Phi*Vn	Status
+1.40D	12.169 psi	0 psi	12.169 psi	82.158 psi	0.1481	OK
+1.20D+0.50Lr+1.60L+1.60H	13.189 psi	0 psi	13.189 psi	82.158 psi	0.1605	OK
+1.20D+1.60L+0.50S+1.60H	13.189 psi	0 psi	13.189 psi	82.158 psi	0.1605	OK
+1.20D+1.60Lr+0.50L	11.292 psi	0 psi	11.292 psi	82.158 psi	0.1374	OK
+1.20D+0.50L+1.60S	11.292 psi	0 psi	11.292 psi	82.158 psi	0.1374	OK
+1.20D+0.50Lr+0.50L+1.60W	11.292 psi	0 psi	11.292 psi	82.158 psi	0.1374	OK
+1.20D+0.50L+0.50S+1.60W	11.292 psi	0 psi	11.292 psi	82.158 psi	0.1374	OK
+1.20D+0.50L+0.20S+E	11.292 psi	0 psi	11.292 psi	82.158 psi	0.1374	OK



1 EXISTING SOUTH VIEW / PROPOSED CONNECTION



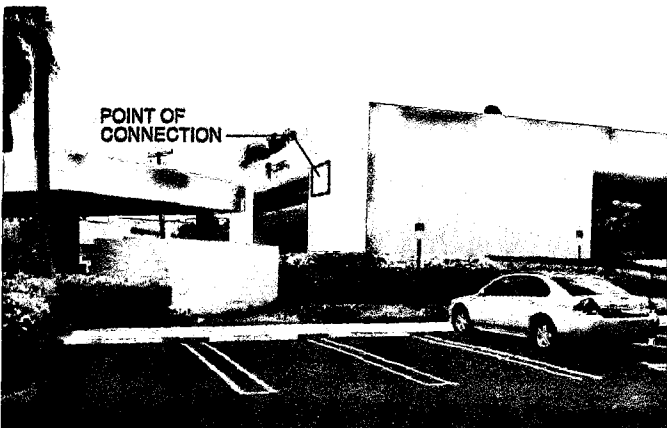
2 EXISTING NORTH VIEW



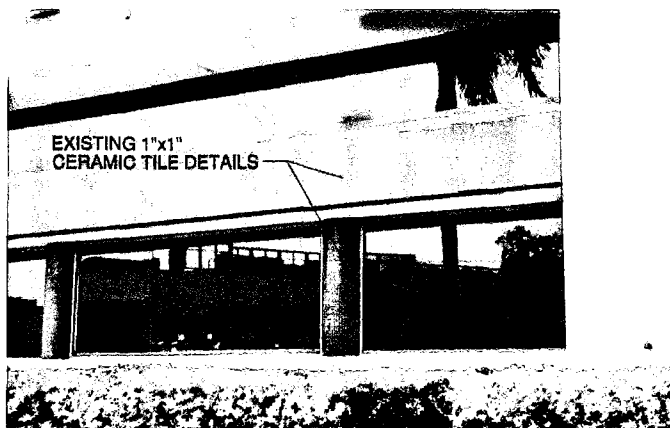
3 EXISTING SOUTH VIEW



4 EXISTING WEST VIEW



5 EXISTING NORTH VIEW
VIEW FROM EXISTING PARKING AREA



6 EXISTING EAST VIEW
OUTSIDE TELLERS AREA



7 EXISTING SOUTH VIEW



8 EXISTING TELLERS AREA INTERIOR VIEW



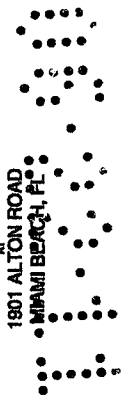
9 EXISTING COLUMN DETAIL

COLOR PHOTOGRAPHS OF EXISTING BUILDING / DRIVE-THRU CANOPY

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LAND PLANNING
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CONSTRUCTION MANAGEMENT
CONSULTANTS

CONNECTING BRIDGE
WACHOVIA DRIVE-THRU TELLERS
AT
1801 ALTON ROAD
MIAMI BEACH, FL



05-09-11 B.D.G.		
03-07-11 P.S.		
MARK	DATE	DESCRIPTION
A.S.	AS-BUILT	
P.S.	REVISION AFTER PERMIT	
S.D.	OUTLINED DEPT. COMMENTS	
C.S.	COORDINATION CHANGES	
P.S.	PERMIT SET	
D.S.	DESIGN DEVELOPMENT	
P.S.	PUBLIC HEARING	
S.D.	SITE PLAN REVIEW	
PROJECT No. 2010060557		
DRAWN BY: A.V.		
CHECKED BY: Angel Milanés		

LEOPOLDO BELLÓN, AIA (AR-005737)
ANGEL MILANÉS, AIA (AR-015645)

SHEET TITLE
PHOTOS

A-5
SHEET OF

PNEUMATIC TUBES OVERHEAD CONNECTING BRIDGE @ WACHOVIA DRIVE-THRU TELLER

1901 ALTON ROAD
MIAMI BEACH, FL.

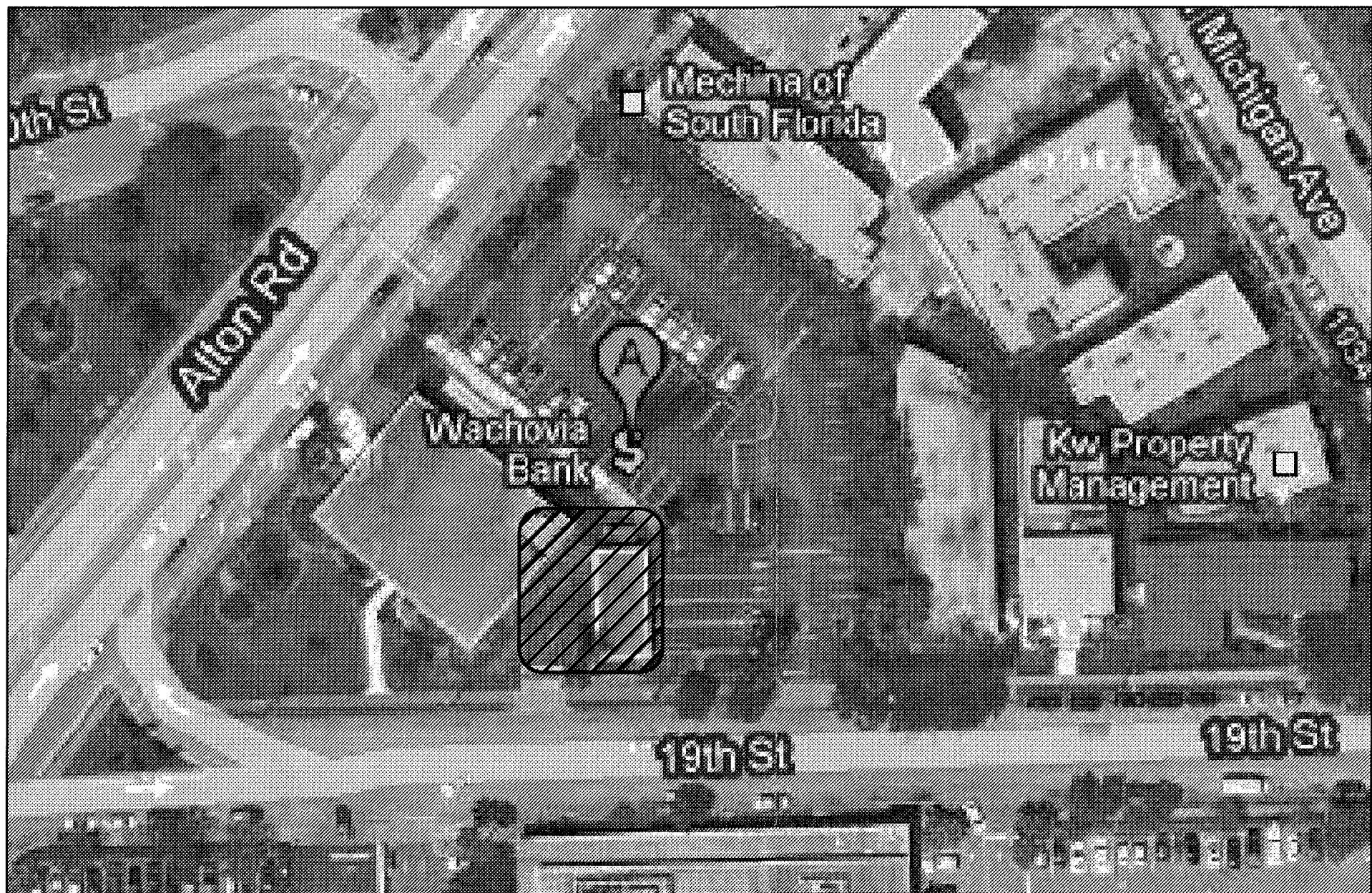
INDEX OF DRAWINGS	
ARCHITECTURE	STRUCTURE
A-0 COVER SHEET	S-1 ROOF PLAN
SP-1 EXISTING SITE PLAN	S-2 SECTIONS / DETAILS
A-1 ARCHITECTURAL GROUND FLOOR PLAN	S-3 SECTIONS / DETAILS
A-2 SECTIONS	
A-3 ELEVATIONS / DETAILS	
A-4 DETAILS	

ARCHITECTS

BELLON MILANES ARCHITECTS
12485 S.W. 137 Avenue, Suite 103
MIAMI, FL. 33186
PH. (305) 278-7776
FAX. (305) 278-7473

STRUCTURE

ALEX KONDRAT & ASSOCIATES, Inc.
12900 SW 128 STREET SUITE 104
MIAMI, FL. 33186
PH. (305) 387-5770
FAX. (305) 387-5769



2 LOCATION MAP
N.T.S.

48 HOURS PRIOR TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION
OF UNDERGROUND UTILITIES
SUNSHINE ONE-CALL 1-800-432-4770
CITY OF MIAMI BEACH 305-673-7080

**PUBLIC WORKS
PLAN REVIEW NOTICE**
Phone 305-673-7080 Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR
OBTAINING BUILDING PERMITS ONLY.

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

Permit Requirements: Proof of existing sidewalk/swale area conditions
(pictures) and/or posting of sidewalk/roadway bonds
(Public Works Inspection of the right-of-way will be required prior to
final sign-off on the C.C. / C.O., or the release of bonds.)

Approved/Reviewed By: _____ Date: 09/23/11

CONNECTING BRIDGE
WACHOVIA DRIVE-THRU TELLERS
AT
1901 ALTON ROAD
MIAMI BEACH, FL

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

BUILDING: _____
ZONING: _____
DRB/HPB: _____
CONCURRENCY: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
ENGINEERING: _____
PUBLIC WORKS: _____
STRUCTURAL: _____
ELEVATOR: _____

PROJECT No. 2010BM597
DRAWN BY: A.V.
CHECKED BY: Angel Milanes

SCOPE OF WORK:

- OVERALL SCOPE OF WORK IS TO REPLACE EXISTING
DRIVE-THRU TELLERS-RELATED EQUIPMENT AND
UNDERGROUND PNEUMATIC (VACUUM) LINES WITH OVERHEAD
SYSTEM.
*REMOVE/REPLACE EXISTING EQUIPMENT.
*REMOVE/ABANDON EXISTING UNDERGROUND LINES.
*BUILD CONNECTING/OVERHEAD STRUCTURE (BRIDGE) FROM
OVER EXISTING CANOPY TO EXISTING TELLERS MAIN BUILDING.
- PNEUMATIC/VACUUM AND POWER LINES CONTRACTOR (360
SECURITY SOLUTIONS) TO PREPARE SHOP DRAWINGS FOR CITY
AND ARCHITECTS APPROVAL/PERMITTING.

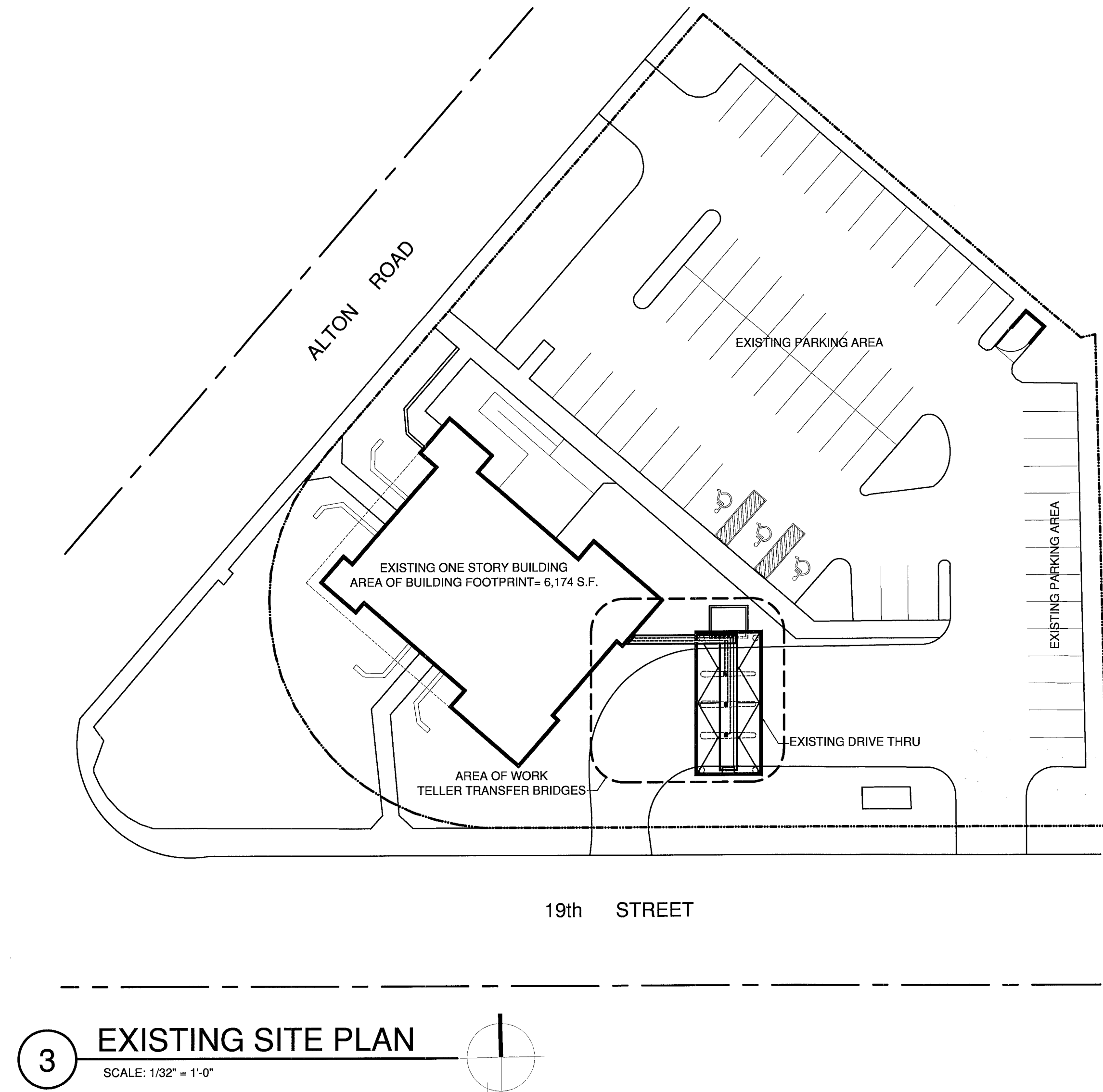
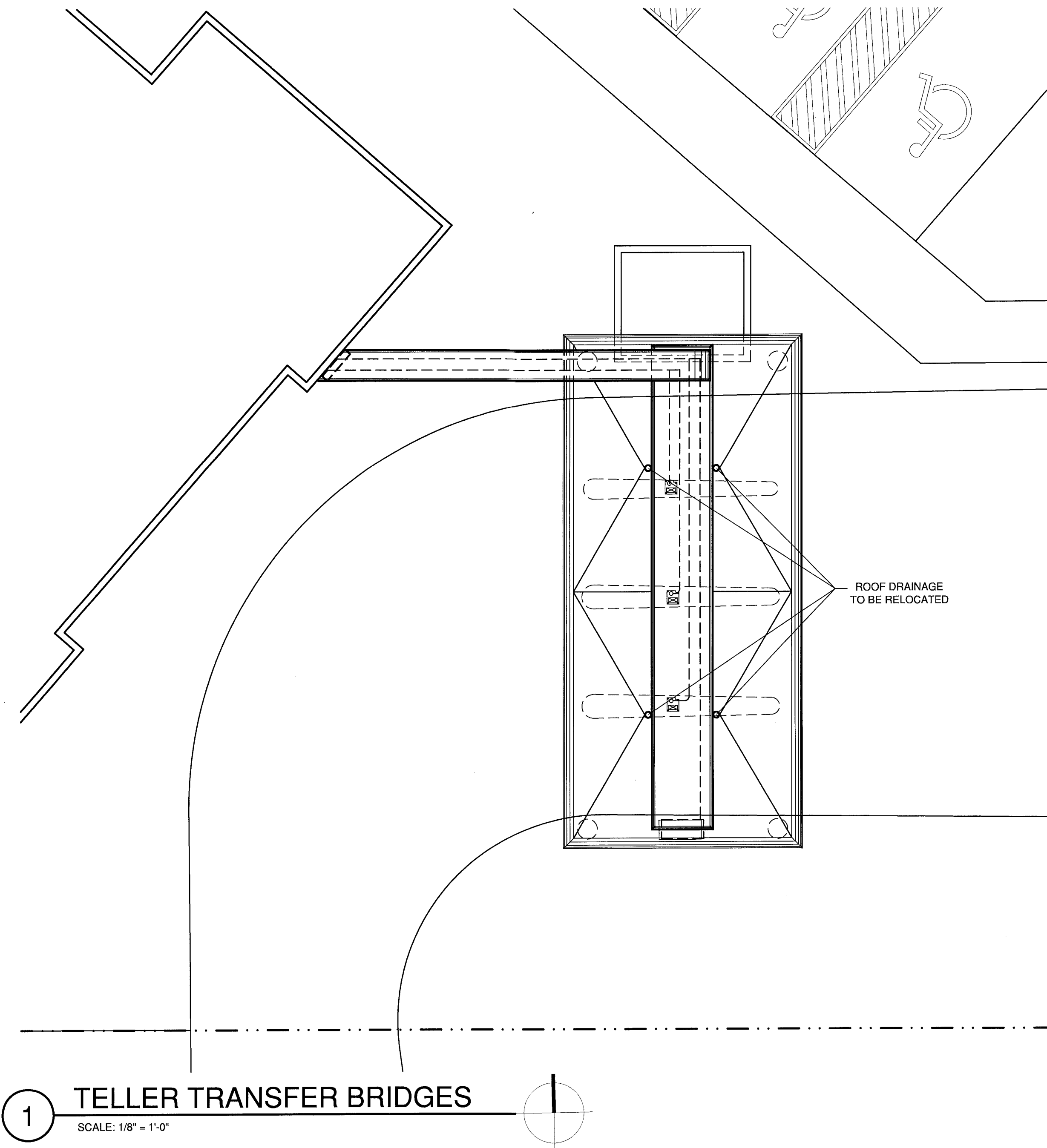
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CONNECTING BRIDGE
WACHOVIA DRIVE-THRU TELLERS
AT
1901 ALTON ROAD
MIAMI BEACH, FL

3-7-11 R.S.

MARK	DATE	DESCRIPTION
A.B.	AS-BUILT	
R.A.P.	REVISION AFTER PERMIT	
B.D.C.	BUILDING DEPT. COMMENTS	
C.C.	COORDINATION CHANGES	
P.S.	PERMIT SET	
D.D.	DESIGN DEVELOPMENT	
P.H.	PUBLIC HEARING	
S.P.R.	SITE PLAN REVIEW	

PROJECT No. 2010BM597
DRAWN BY: A.V.
CHECKED BY: Angel Milanés

3-7-11
LEOPOLDO BELLON, AIA (AR-008737)
EN-ANGEL MILANES, AIA (AR-0015845)

SHEET TITLE
EXISTING SITE PLAN

SP-1

SHEET OF

GENERAL NOTES

- A. ELECTRICAL**
ELECTRICAL CONTRACTOR TO VERIFY THAT UTILITIES TO BE REMOVED ARE PROPERLY DISCONNECTED PRIOR TO ANY DEMOLITION WORK. CAP OFF AT FLOOR SLAB, WALL AND/OR CEILING AND DISCONNECT ALL ELECTRIC SERVICE TO PANEL ON THIS SPACE. REMOVE ALL EXISTING CONDUITS AND/OR EXPOSED WIRING INSIDE ALL FUTURE TENANT SPACES
- B. PLUMBING**
PLUMBING CONTRACTOR SHALL REMOVE ALL INDICATED PLUMBING PIPING AND FIXTURES IF ANY. PROTECT ALL OTHER EXISTING PLUMBING FIXTURES AND PIPING. PROTECT AND REROUTE (IF NECESSARY) ALL VENT PIPES, WATER SERVICE LINES AND ROOF DRAIN LINES CONNECTED TO OTHER LEVELS. PLUMBING FIXTURES INDICATED FOR REMOVAL SHALL BE SAFETY STORED FOR FUTURE RE-USED (UNDER SEPARATE TENANT IMPROVEMENT PERMIT)
- C. HVAC (MECHANICAL)**
MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING A/C MAIN AND SECONDARY EXISTING DUCT WORK EXCEPT THOSE INDICATED IN CENTRAL AREA. ROOF MOUNTED AND CEILING MOUNTED A/C UNITS SHALL REMAIN AS INSTALLED FOR FUTURE SINGLE TENANT RE-USED (UNDER SEPARATE PERMIT). PROTECT ALL EXISTING REFRIGERANT LINES AND CONDENSATE DRAIN LINES. REMOVE AND SAFETY STORE ALL EXISTING THERMOSTAT CONTROL DEVICES FOR FUTURE RE-USED
- D. DEMOLITION GENERAL CONTRACTOR**
SHALL USE CAUTION IN REMOVING ALL INDICATED WALLS, PARTITIONS, DOORS AND CEILING PANELS. DISCONNECT ALL ELECTRIC SERVICE TO THIS TENANT SPACE. ELECTRIC PANEL PRIOR TO COMMENCING WORK. PROTECT FROM DAMAGE ALL EXISTING PARTITIONS, DOORS, WALLS AND WINDOWS INDICATED TO REMAIN. EXISTING FLOOR FINISH AT ELEVATOR LOBBY, CONNECTING COMMON HALLWAYS AND TOILETS ROOMS, SHALL BE PROTECTED FROM DAMAGE. USE EXTREME CAUTION IN PROTECTING ALL EXISTING GLASS AT PERIMETER STOREFRONT GLASS AND WINDOWS.

DEMOLITION NOTES

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO DEMOLITION, TO REVEAL FULL SCOPE OF WORK.
2. DEMOLITION CONTRACTOR SHALL VISIT JOB SITE AND VERIFY ALL EXISTING CONDITIONS AND DEMOLITION REQUIREMENTS. CONTRACTOR TO COORDINATE ALL DEMOLITION WORK WITH ELECTRICAL AND MECHANICAL CONTRACTORS.
3. GENERAL CONTRACTOR SHALL REVIEW ALL PLANS AND SPECIFICATIONS PRIOR TO COMMENCING DEMOLITION WORK. GENERAL CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO START OF PROPOSED DEMOLITION.
4. GENERAL CONTRACTOR TO MAKE SURE THAT ALL UTILITIES TO BE REMOVED DISCONNECTED PRIOR TO COMMENCEMENT OF PROPOSED DEMOLITION WORK.
5. EXTREME CARE MUST BE TAKEN TO NOT DISTURB THE STRUCTURAL INTEGRITY OF THE REMAINING ADJACENT STRUCTURE AND THE REMAINING PORTIONS OF THIS JOB SITE DURING THE DEMOLITION WORK.
6. GENERAL CONTRACTOR AND/OR DEMOLITION CONTRACTOR TO AVOID ENCROACHMENTS ONTO ADJACENT NEIGHBORS.
7. MATERIALS REMOVED UNDER THIS CONTRACT, WHICH ARE NOT TO BE SALVAGED OR REUSED, SHALL BECOME THE PROPERTY OF THE GENERAL CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
8. EXISTING BUILDING, FINISHES, EQUIPMENT, FURNITURE, AND ELECTRICAL, MECHANICAL & PLUMBING INSTALLATIONS TO REMAIN UNLESS OTHERWISE NOTED.
9. AFTER COMPLETION OF CONSTRUCTION, G.C. IS RESPONSIBLE FOR PATCHING, REPAIR AND/OR FINISH ANY ADJACENT OR AFFECTED AREAS OF EXISTING STRUCTURE.
10. SEE GENERAL NOTES.

3-7-11 P.S.

MARK	DATE	DESCRIPTION
A.B.	AS-BUILT	
R.A.P.	REVISION AFTER PERMIT	
B.D.C.	BUILDING DEPT. COMMENTS	
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P.S.	PERMIT SET	
D.D.	DESIGN DEVELOPMENT	
P.H.	PUBLIC HEARING	
S.F.A.	SITE PLAN REVIEW	

PROJECT No. 2010BM597
DRAWN BY: A.V.
CHECKED BY: Angel Milanés

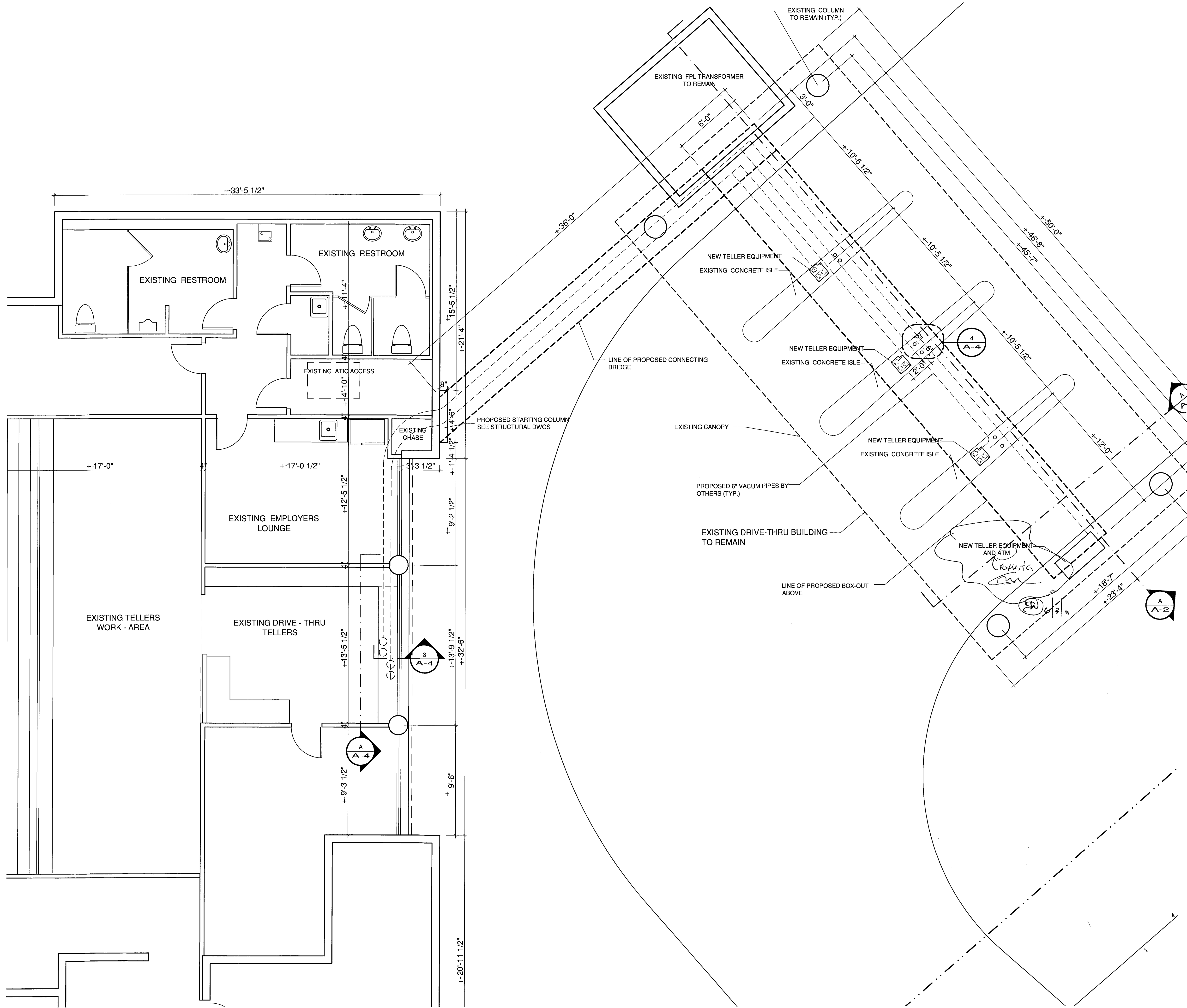
Angel Milanés
3-7-11

☐ LEOPOLDO BELLON, AIA (AR-008737)
☒ ANGEL MILANES, AIA (AR-0015845)

SHEET TITLE

FLOOR PLAN

A-1
SHEET OF



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

CONNECTING BRIDGE
WACHOVIA DRIVE-THRU TELLERS
AT
1901 ALTON ROAD
MIAMI BEACH, FL

3-7-11 R.S.

MARK	DATE	DESCRIPTION
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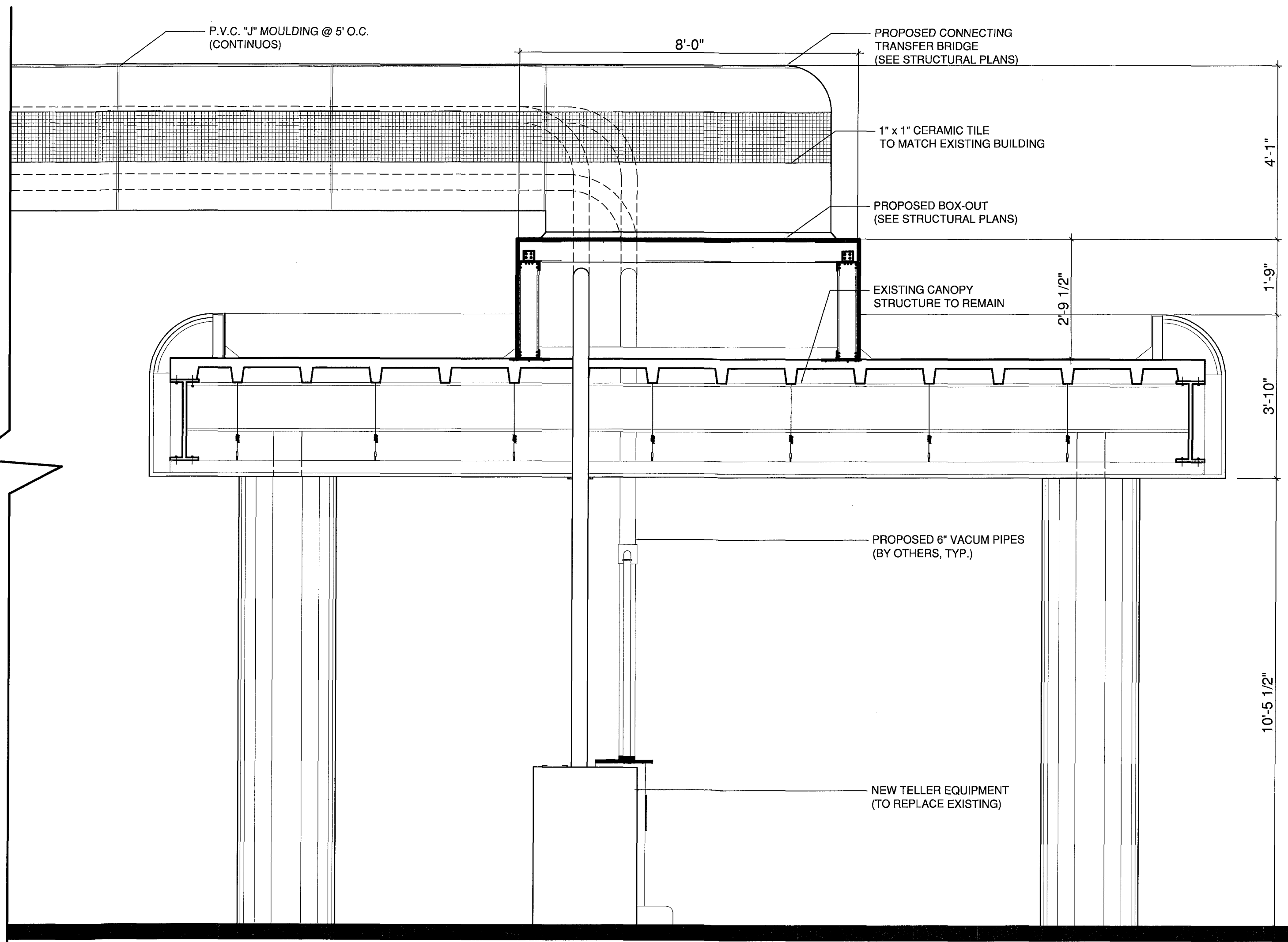
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DRAWN BY: A.V.
CHECKED BY: Angel Milanés

LEOPOLDO BELLÓN, AIA (AR-008737)
ANGEL MILANÉS, AIA (AR-0015845)

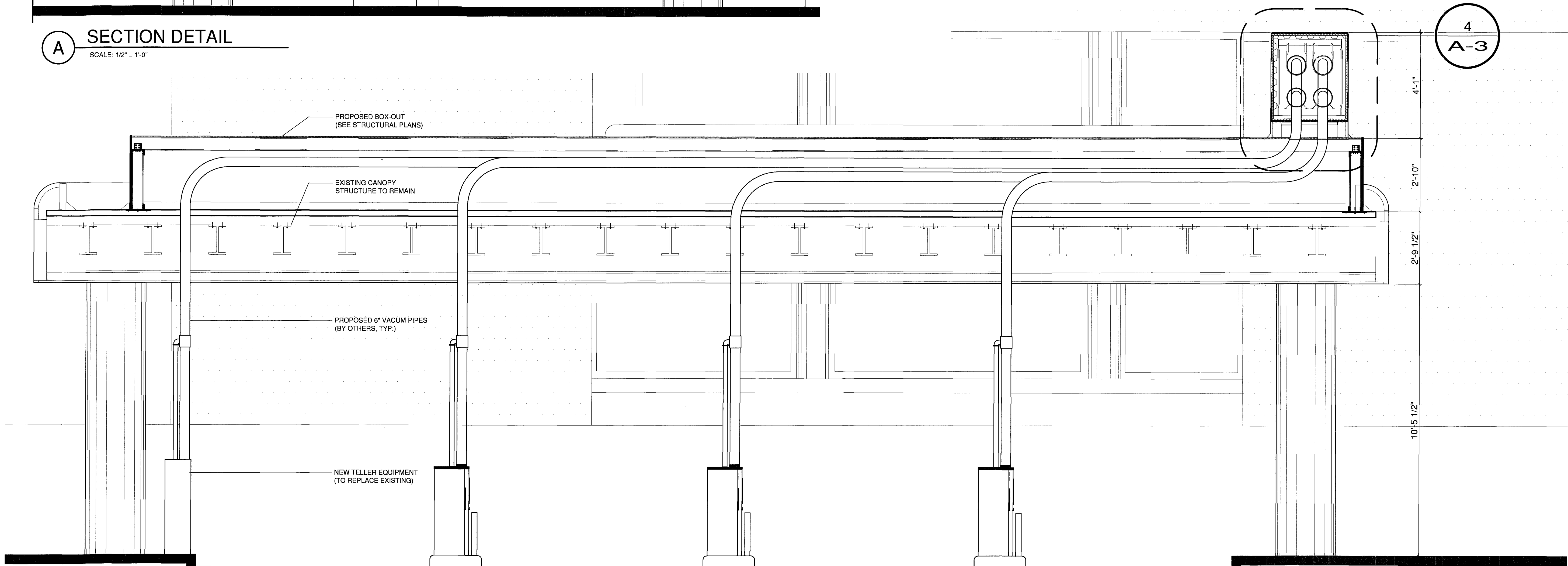
SHEET TITLE
SECTIONS DETAILS

A-2

SHEET OF



A SECTION DETAIL
SCALE: 1/2" = 1'-0"



B SECTION DETAIL
SCALE: 1/2" = 1'-0"



CONNECTING BRIDGE
WACHOVIA DRIVE-THRU TELLERS
AT
1901 ALTON ROAD
MIAMI BEACH, FL



11-7-11 P.S.

MARK	DATE	DESCRIPTION
A.B.	AS-BUILT	
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B.C.C.	BUILDING DEPT. COMMENTS	
C.C.	COORDINATION CHANGES	
P.S.	PERMIT SET	
D.D.	DESIGN DEVELOPMENT	
P.H.	PUBLIC HEARING	
S.P.R.	SITE PLAN REVIEW	

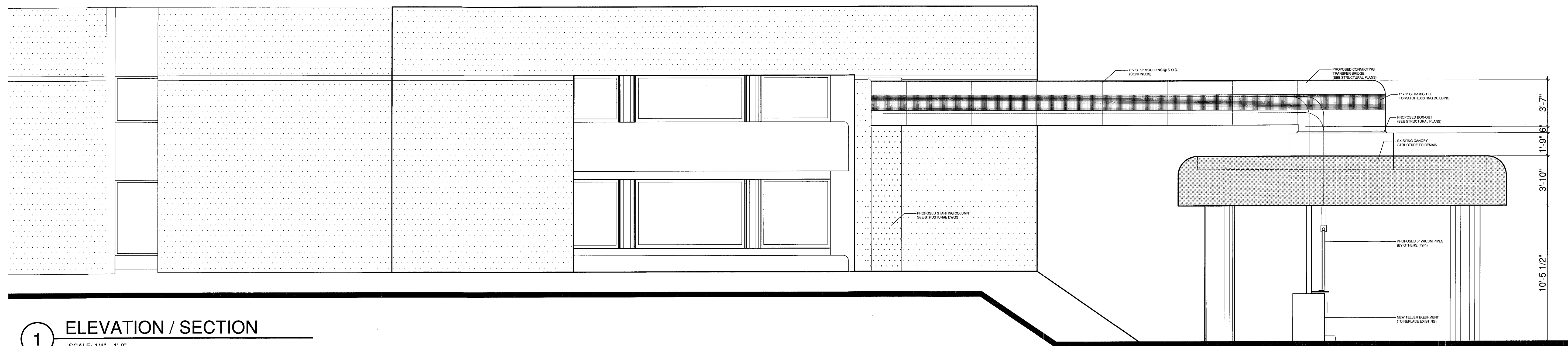
PROJECT No. 2010BM597
DRAWN BY: A.V.
CHECKED BY: Angel Milanés

Angel Milanés
3-7-11

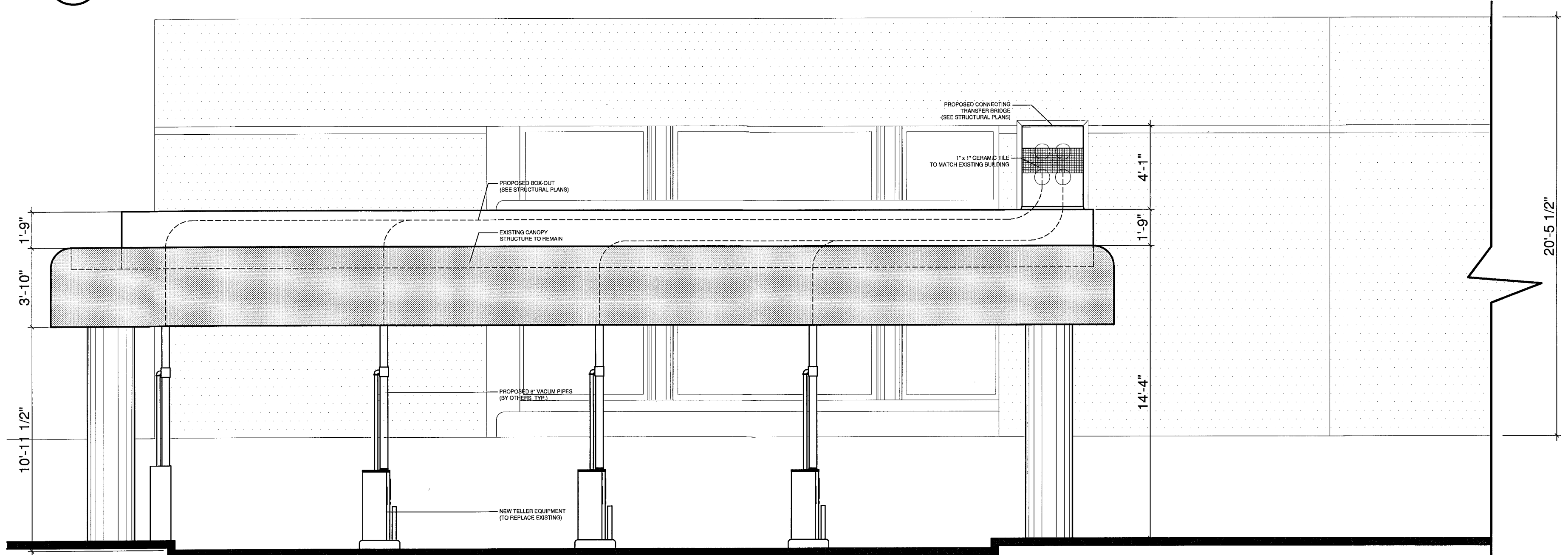
□ LEOPOLDO BELLÓN, AIA (AR-008737)
□ ANGEL MILANÉS, AIA (AR-0015845)

SHEET TITLE
DETAILS

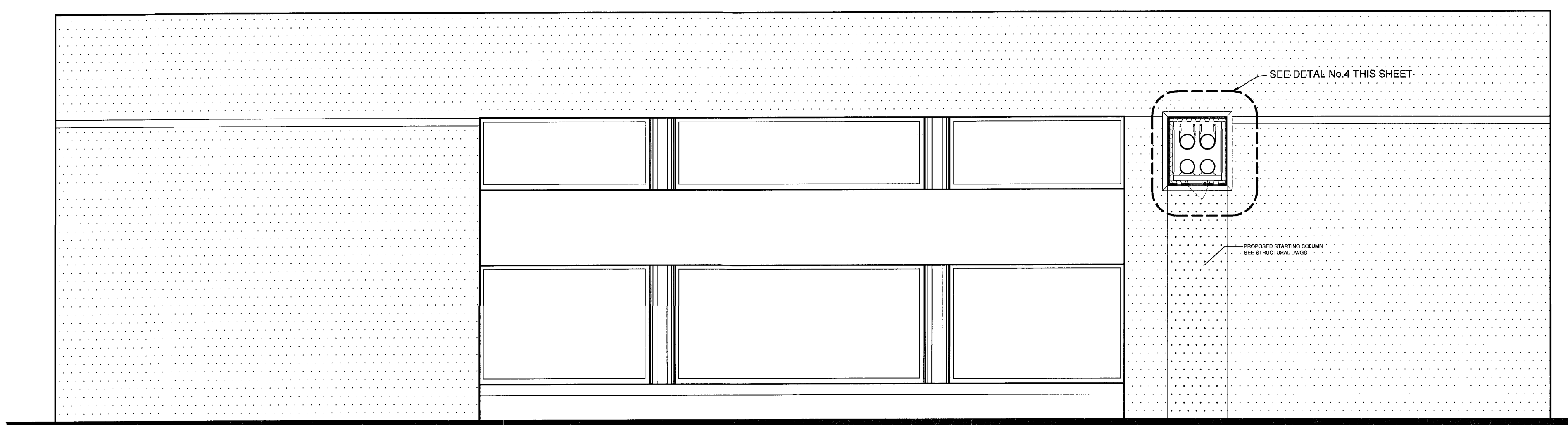
A-3
SHEET OF



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

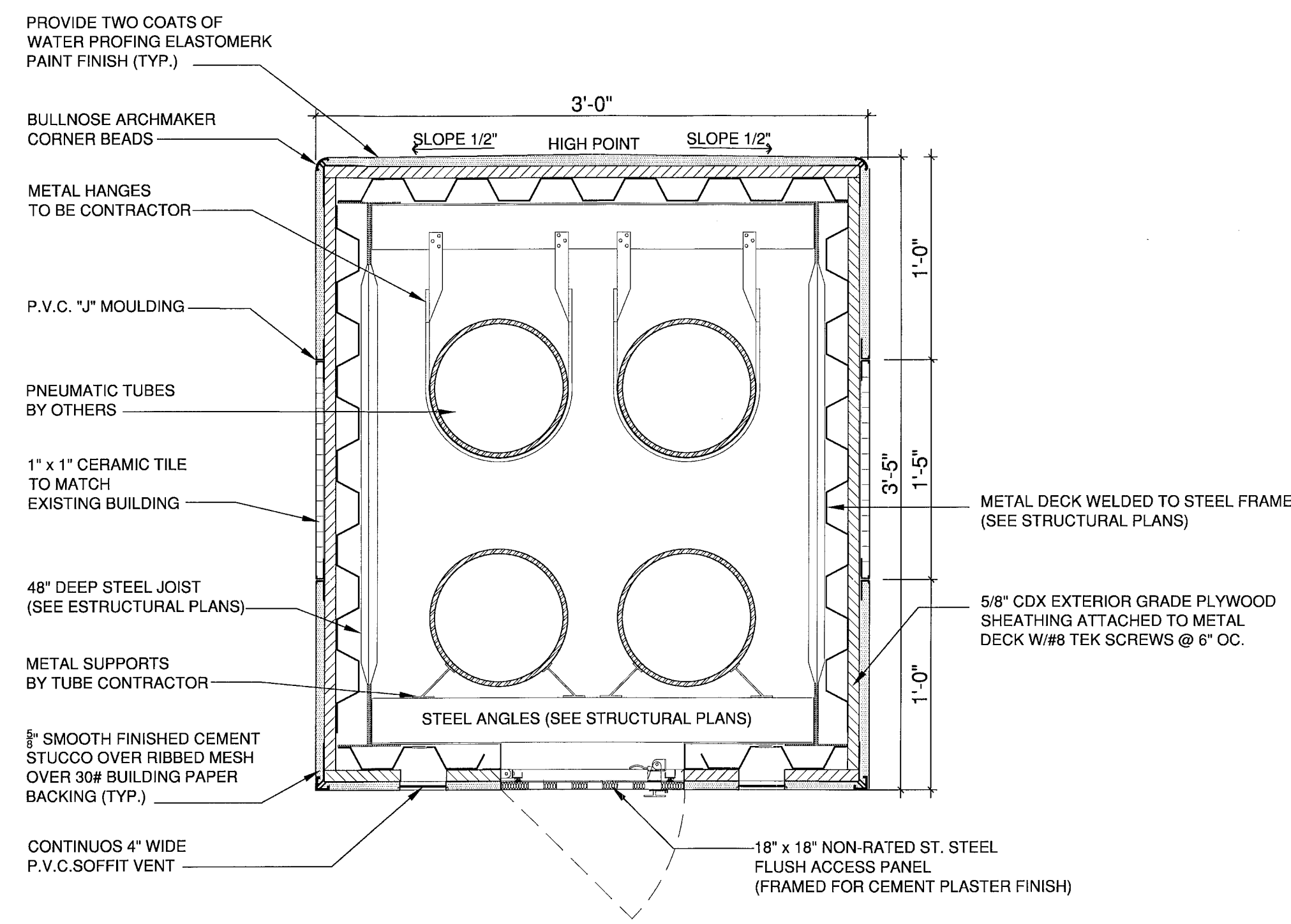


2 ELEVATION / SECTION
SCALE: 1/4" = 1'-0"

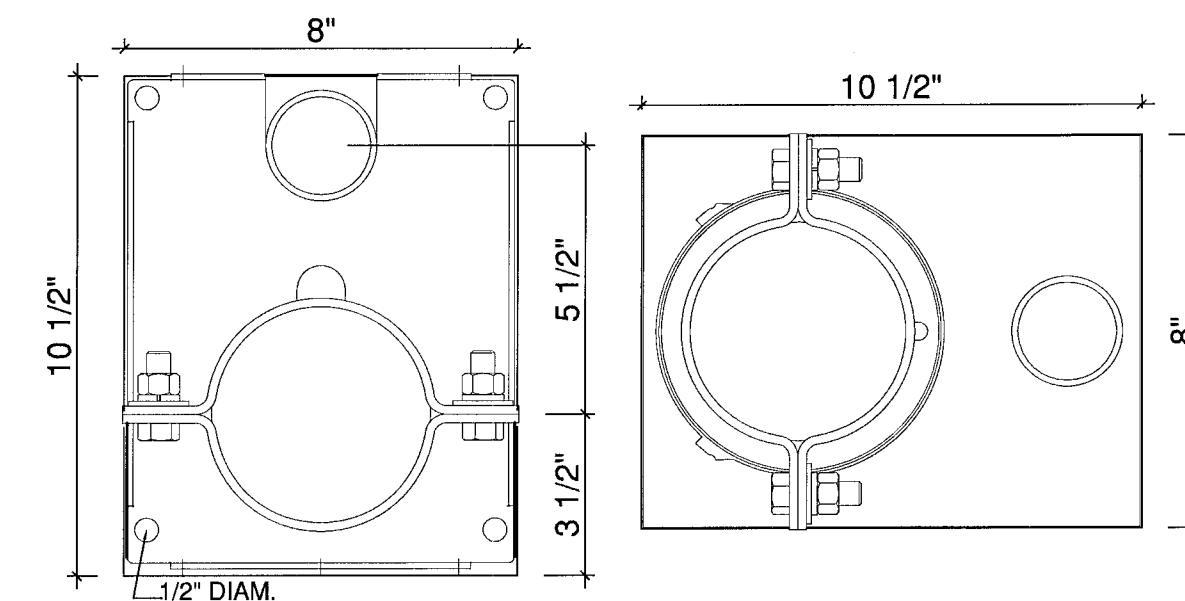


3 ELEVATION / SECTION
SCALE: 1/4" = 1'-0"

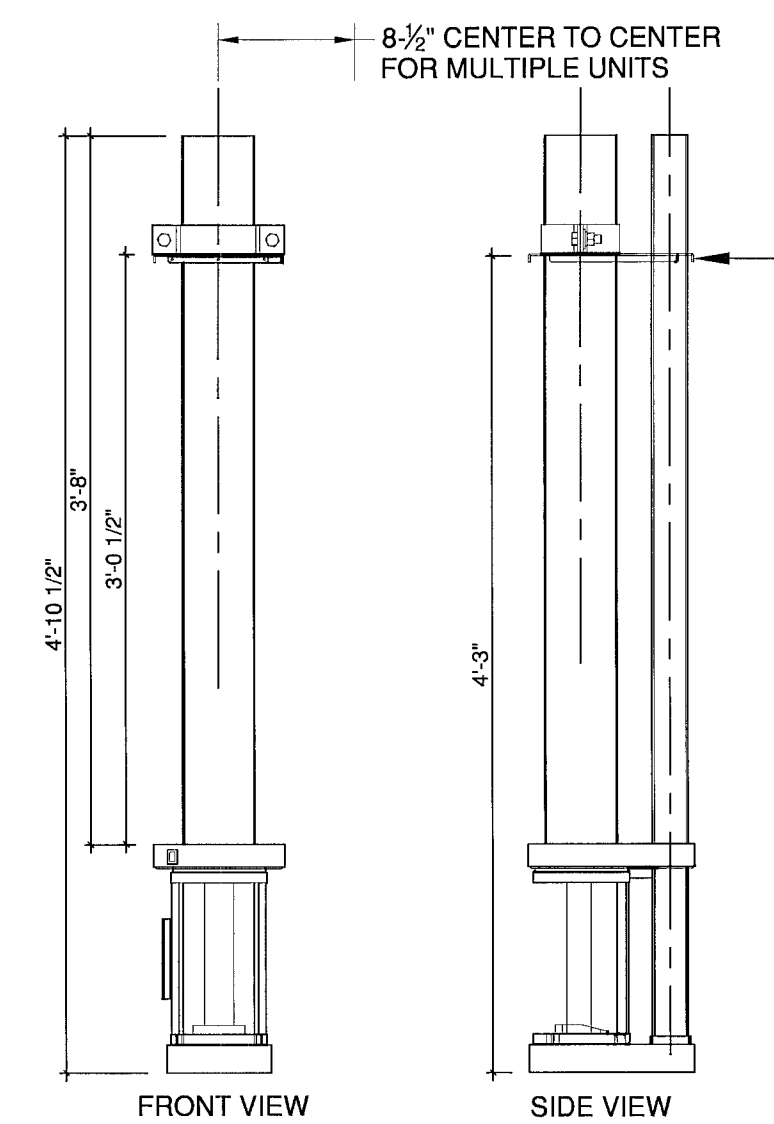
NOTE:
GENERAL CONTRACTOR, MANUFACTURERS AND SUBS MUST FIELD
VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS



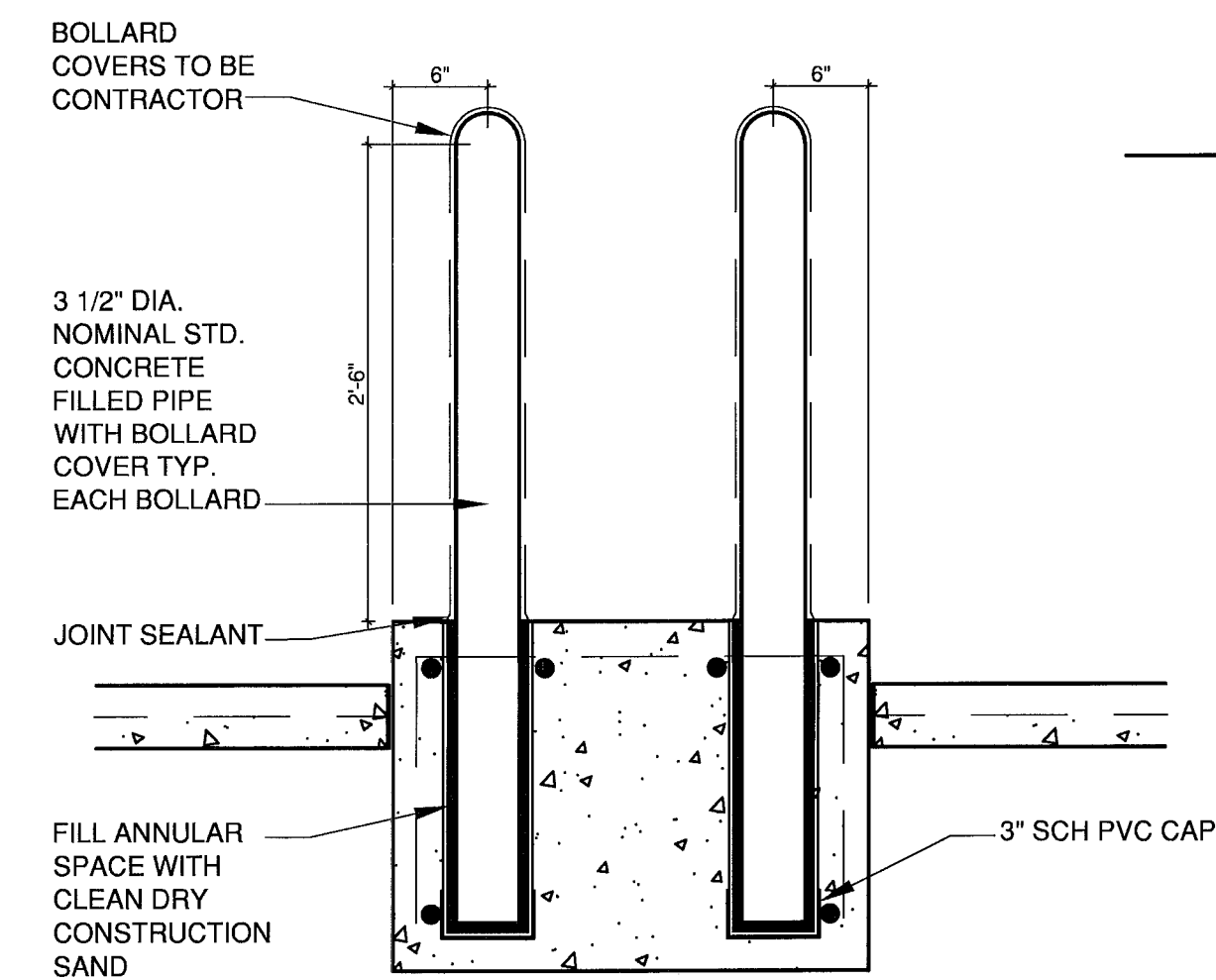
4 PROPOSED CONNECTING TRANSFER BRIDGE
SCALE: 1" = 1'-0"



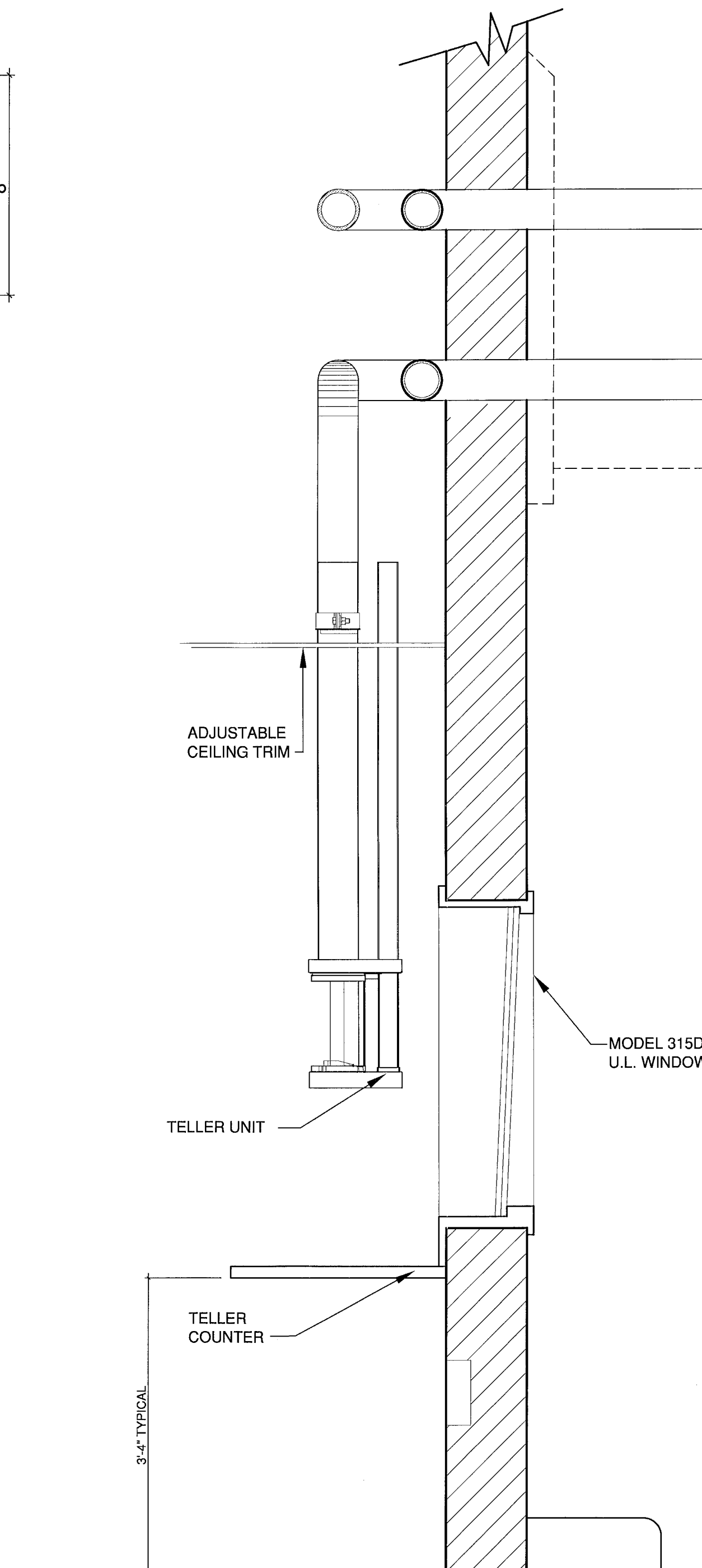
1 HANGER DETAIL
SCALE: 3" = 1'-0"



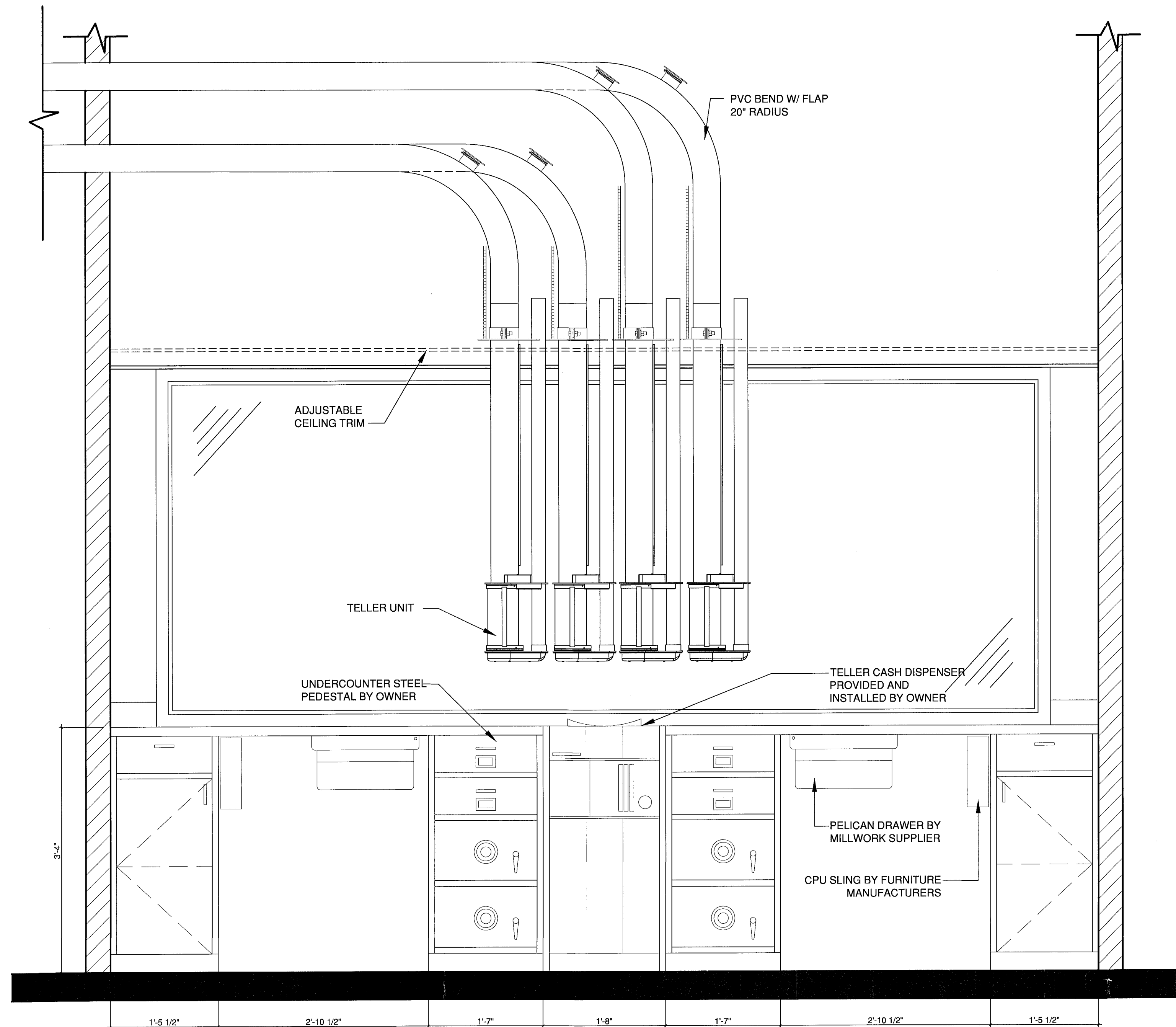
2 OVERHEAD TELLER STANDART DETAILS
SCALE: 1" = 1'-0"



4 BOLLARD DETAIL
SCALE: 1" = 1'-0"

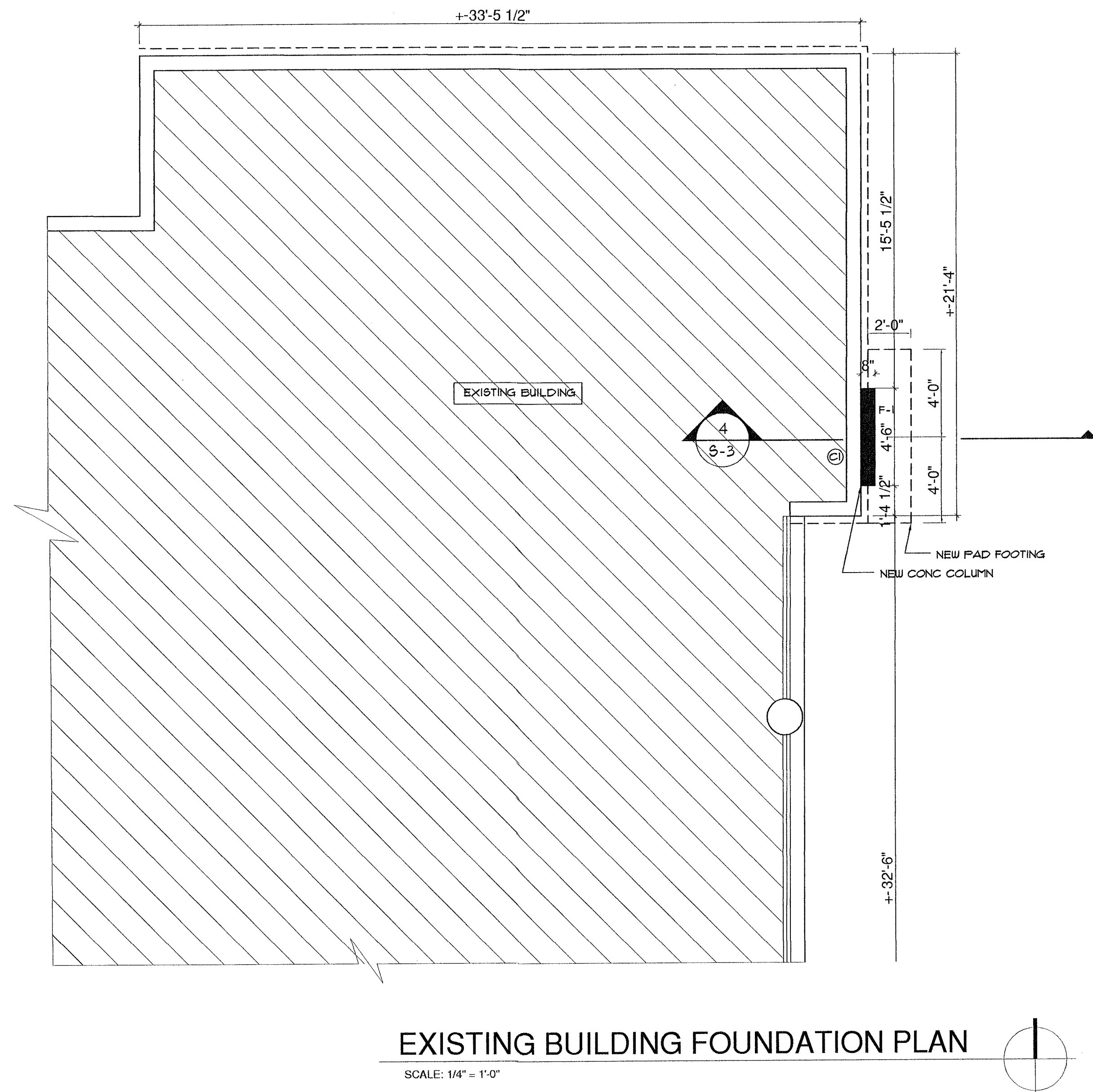


3 INTERIOR TELLER SECTION DETAIL
SCALE: 1" = 1'-0"



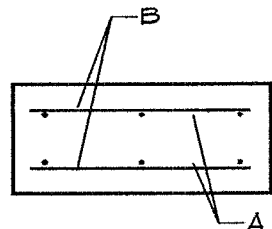
A INTERIOR ELEVATION DRIVE-UP TELLER WINDOW
SCALE: 1" = 1'-0"

NOTE:
GENERAL CONTRACTOR, MANUFACTURERS AND SUBS MUST FIELD
VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS



FOOTING SCHEDULE							REMARKS
MARK	FOOTING TYPE	WIDTH	LENGTH	DEPTH	REINFORCEMENT		
					A	B	
F1	A	2'-0"	8'-0"	12"	(3) #5	#5 DOWELS @ 12" OC	CONCRETE FOOTING F'C=3000 PSI TOP & BOTTOM STEEL

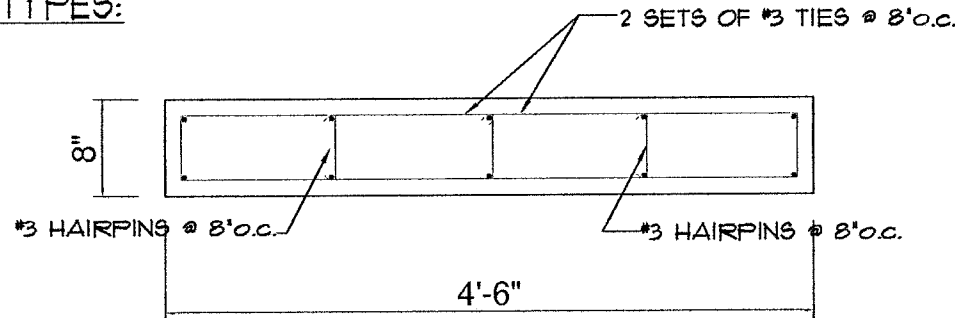
FOOTING TYPES



TYPE-A

COLUMN SCHEDULE							REMARKS
MARK	COLUMN TYPE	DIMENSIONS	REINFORCEMENT				
			VERTICAL	HORIZONTAL			
C1	A	8' x 4'-6"	10-#6	#3 TIES @ 8' O.C.	CONCRETE COLUMN F'C=3000 PSI		

COLUMN TYPES:



TYPE-A

GENERAL NOTES	REINFORCED MASONRY NOTES	SHOP DRAWINGS	SOIL STATEMENT
1) A SPECIAL INSPECTION BY A P.E. CERTIFIED ENGINEER OR SPECIAL INSPECTOR WILL BE REQUIRED FOR REINFORCED STRUCTURAL STEEL CONNECTIONS & MASONRY. 2) THE USE OF A SCALE TO OBTAIN DIMENSIONS NOT SHOWN ON THE PLANS IS STRICTLY FORBIDDEN. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ERRORS RESULTING FROM SUCH ACTIONS. 3) CONTRACTOR TO LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION. 4) ALL SPECIFIED MATERIALS AND CONNECTORS CAN BE SUBSTITUTED WITH EQUAL OR BETTER, WITH THE APPROVAL OF ENGINEER OF RECORD. 5) IF CONFLICTS OCCUR IN OR BETWEEN ARCHITECTURAL AND ENGINEERING DOCUMENTS, BETWEEN DOCUMENTS AND FIELD CONDITIONS OR OTHERWISE, IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND DIRECTION BEFORE PROCEEDING. COORDINATE ALL DIMENSIONS BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO PROCEEDING WITH THE WORK. 6) THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION PROVIDE APPROPRIATE SUPERVISION THROUGHOUT THE PROJECT. CONSTRUCTION SITE SAFETY, INCLUDING ALL ADEQUATE TEMPORARY BRACING AND SHORING, IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EMPLOY THE NECESSARY PROFESSIONAL SERVICES TO DETERMINE THE NECESSARY METHODS AND SUPPORTS REGARDING FORMING AND CONSTRUCTION LOADS. TEMPORARY BRACING AND SHORING SHALL BE DESIGNED TO RESIST ALL CONSTRUCTION LOADS INCLUDING THE WEIGHTS OF ALL SUPPORTED MATERIALS PLUS A LIVE LOAD OF 50 PSF ON HORIZONTAL SURFACES. MAINTAIN TEMPORARY BRACING AND RETAIN IN PLACE UNTIL PERMANENT	1) PROVIDE CLEANOUT OPENING AT THE BOTTOM OF REINFORCED MASONRY CELLS THAT ARE BEING FILLED TO ENSURE THAT THE CELL IS FILLED. PROVIDE DEEP HOLES AT 1/3 AND 2/3 OF SPAN. 2) ALL BLOCK MASONRY WALLS SHALL HAVE 3 GAUGE HORIZONTAL REINFORCEMENT 1" DUR-O-WALL LADDER TYPE SPACED 16" ON CENTER. USE PREFABRICATED CORNERS AND TEES BY DUR-O-WALL AT CORNERS AND JUNCTIONS OF WALLS. MASONRY UNITS SHALL BE 2 CELL HOLLOW UNITS CONFORMING TO ASTM C-90 WITH COMPRESSIVE STRENGTH OF Fc=1800 P.S.I. ON THE NET CROSS-SECTIONAL AREA AND SHALL BE LAID IN RUNNING BOND. 3) MORTAR SHALL COMPLY WITH ASTM 210 MORTAR TYPE S. Fm=1500 PSI. 4) WHERE ANCHOR BOLTS ARE SET IN MASONRY WALL, FILL TWO BLOCK CELLS WITH GROUT @ ANCHOR BOLT LOCATIONS. 5) GROUT USED IN THE WORK SHALL CONFORM TO ASTM C416 WITH A SLUMP MIX OF 8" TO 11", PROVIDE CLEANOUT AND INSPECTION HOLES AT FILLED CELLS AT BOTTOM COURSE. CONTRACTOR TO CONSOLIDATE GROUT LIFTS WITH 3/4" VIBRATOR. 6) POUR GROUT IN LIFTS NOT TO EXCEED 4'. 7) GROUT USED IN THE WORK SHALL OBTAIN A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI IN 28 DAYS. GROUT SHALL COMPLY WITH ASTM C416.	PRIOR TO ANY FABRICATION, SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT. 1. STEEL JOIST 2. STRUCTURAL STEEL	THE OWNER SHALL RETAIN THE SERVICES OF AN INDEPENDENT GEOTECHNICAL ENGINEER TO VERIFY SOIL CONDITIONS ARE SAND & ROCK WITH A MIN. BEARING CAPACITY OF 2500 PSF. SHOULD OTHER CONDITIONS OR MATERIALS BE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED PRIOR TO PROCEEDING WITH THE WORK. THE ENGINEER SHALL SUPPLY A LETTER ATTESTING THAT THE SITE HAS BEEN OBSERVED & FOUNDATION CONDITIONS ARE SIMILAR TO THOSE UPON WHICH THE DESIGN IS BASED ON.
REINFORCING STEEL NOTES	DESIGN LOADS	STRUCTURAL DESIGN CRITERIA	
1) REINFORCING STEEL Fy = 60,000 P.S.I. Fc = 24,000 P.S.I. Es = 29,000,000 P.S.I. Em = 1350,000 P.S.I. N = EX/EN = 2149 2) REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60. REINFORCING STEEL SHALL BE DETAILED AND FABRICATED ACCORDING TO THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES". HOOK ALL DISCONTINUOUS TOP REINFORCING.	WIND DESIGN PER ASCE 7-05 MEAN ROOF HEIGHT: 3.20'-2" WIND DESIGN SPEED: 146 MPH EXPOSURE CATEGORY: C UPLIFT PRESSURES ZONES 1 AND 2 & 3 ZONE 1: 5329 PSF ZONE 2: 75.0 PSF ZONE 3: 75.0 PSF BRIDGE DESIGN LOADS: DEAD LOAD: 15 PSF LIVE LOAD: 30 PSF	1) THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE FBC 2001 EDITION AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT. APPLICABLE CODES: A: FLORIDA BUILDING CODE 2001 EDITION B: ACI 308-05 REINFORCED CONCRETE C: REINFORCED MASONRY BY ACI 530-05 AND E: WIND ANALYSIS AND DESIGN PER ASCE 7-05.	
		STRUCTURAL STEEL	
		1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING GRADES: A. ALL WFL, ANGLE, BASE PLATES, CORR. PLATES (WFL)---ASTM A36 (Fy=36 KSI) B. STRUCTURAL TUBE---ASTM A500, GRADE B (Fy=48 KSI) C. STEEL PIPE---ASTM A53, GRADE B (Fy=35 KSI) 2. GROUT FOR COLUMN BASE PLATES SHALL BE NON-METALLIC NON-SHRINK GROUT SUCH AS MASTER FLO-115, AS MANUFACTURED BY MASTER BUILDERS OR APPROVED EQUAL. 3. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS USING E70-XX ELECTRODES.	

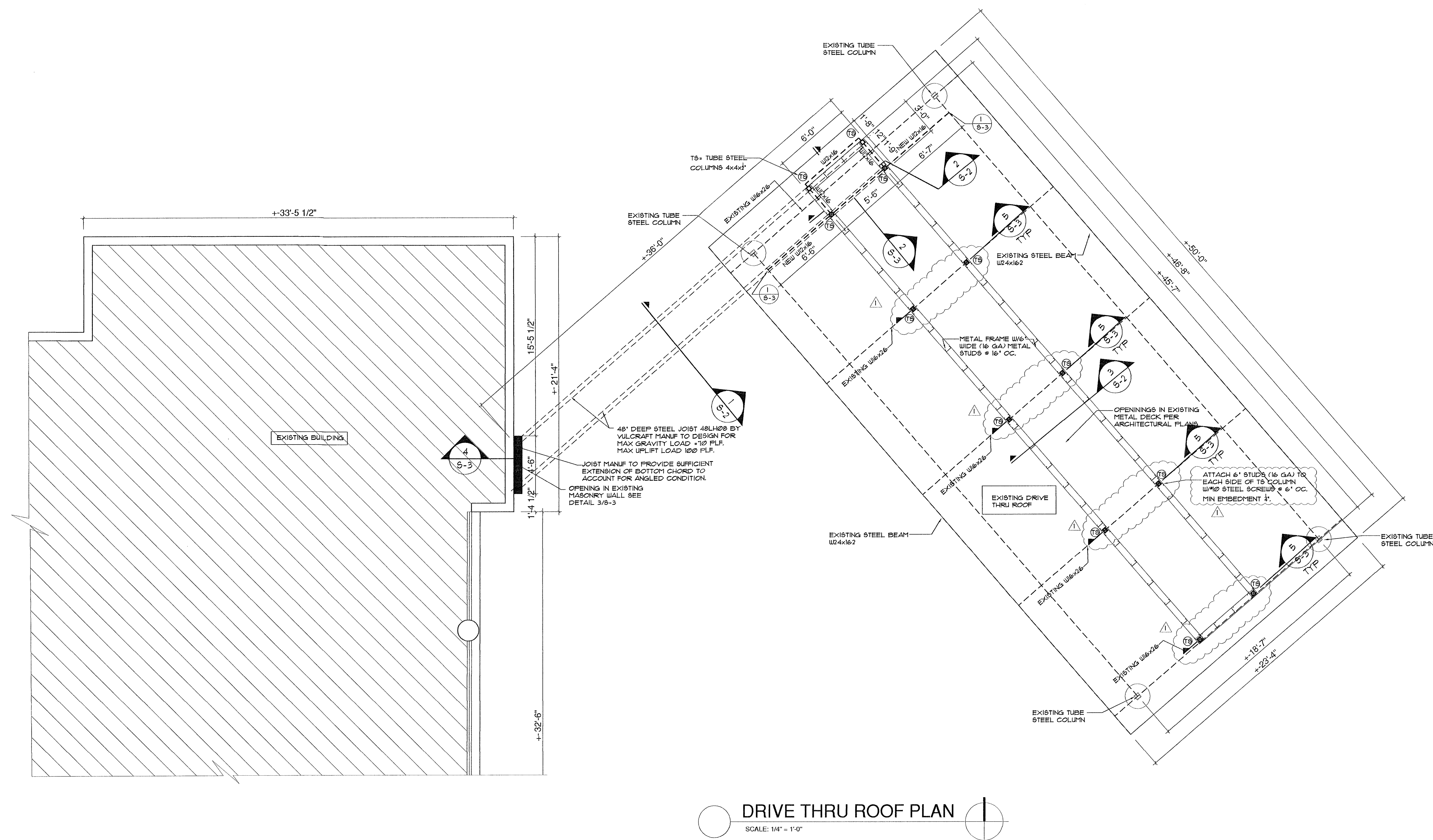
Alex Kondrat & Associates, Inc.
Alex Kondrat - P.E. #58086
13311 SW 103 Ter
Miami, Florida 33186
Ph. (305) 387-5770 Fax. (305) 387-5769

TRANSFER BRIDGES
FOR
WACHOVIA ALTON ROAD
BRANCH TELLER
AT
1901 ALTON ROAD
MIAMI BEACH, FL

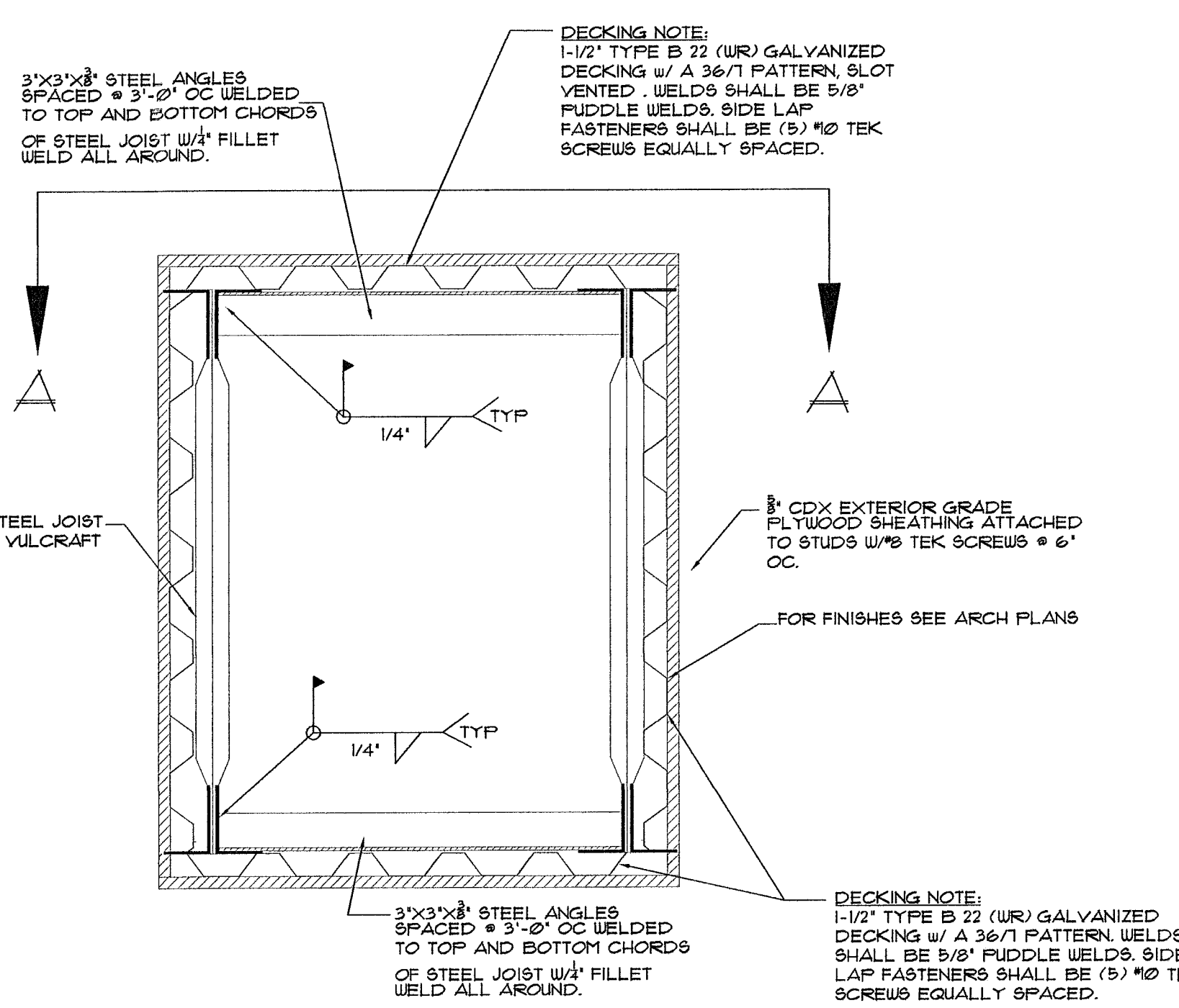
MARK	DATE	DESCRIPTION
A.B.	AS-BUILT	
R.A.P.	REVISION AFTER PERMIT	
S.B.C.	BUILDING DEPT. COMMENTS	
C.C.	COORDINATION CHANGES	
P.S.	PERMIT SET	
D.A.	DESIGN DEVELOPMENT	
P.H.	PUBLIC HEARING	
S.P.R.	SITE PLAN REVIEW	

PROJECT No.
DRAWN BY:
CHECKED BY:

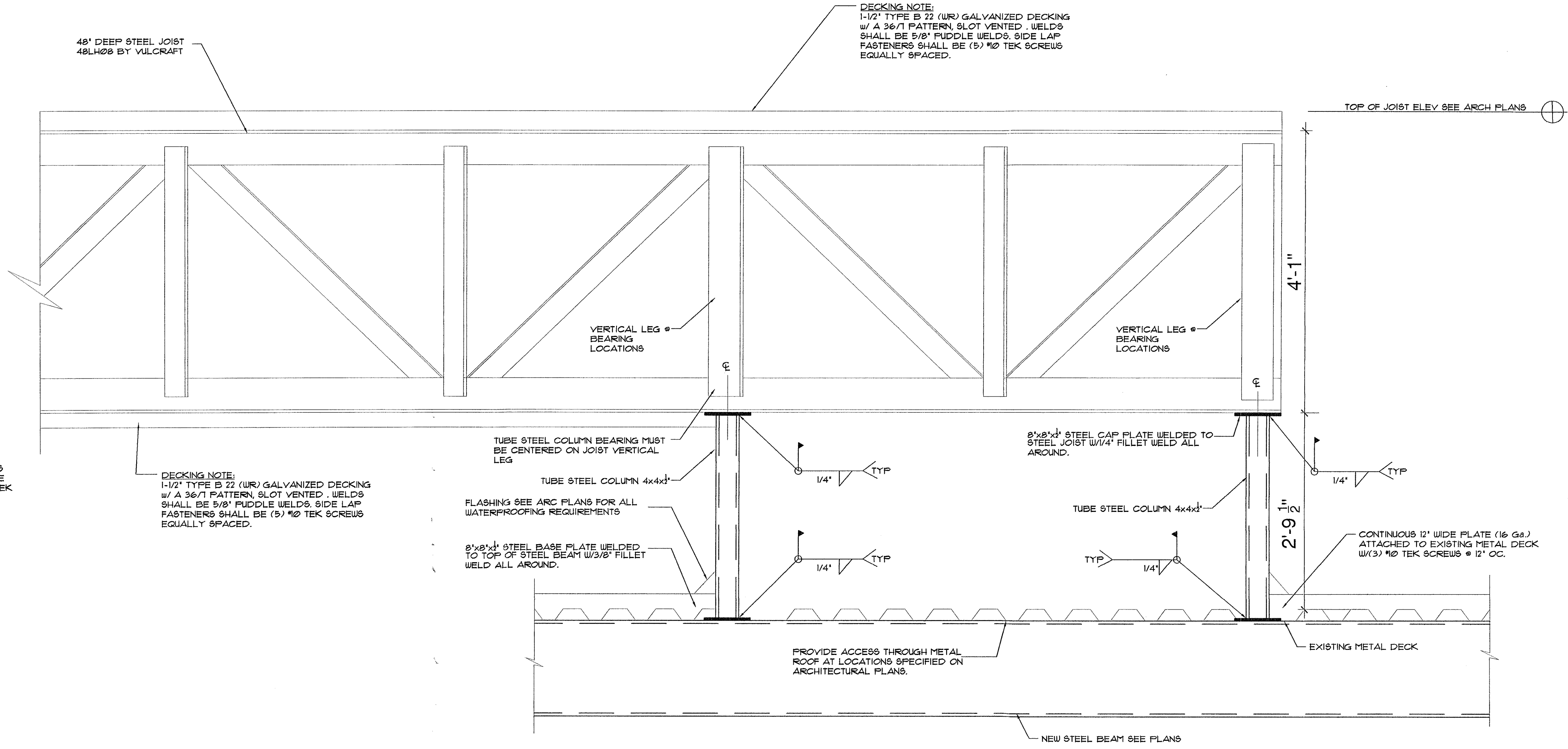
SHEET TITLE
FOUNDATION PLAN
S-0
SHEET OF



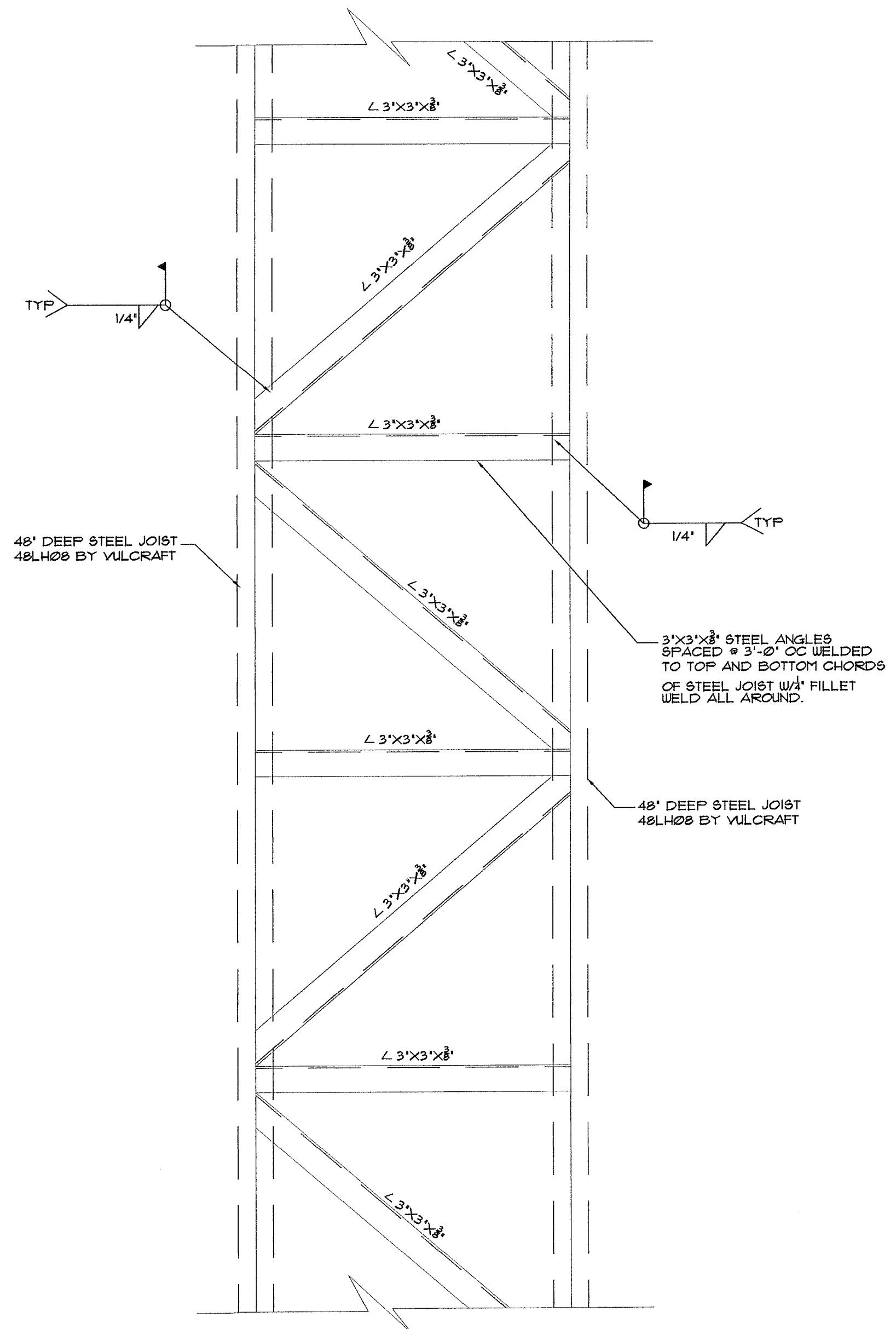
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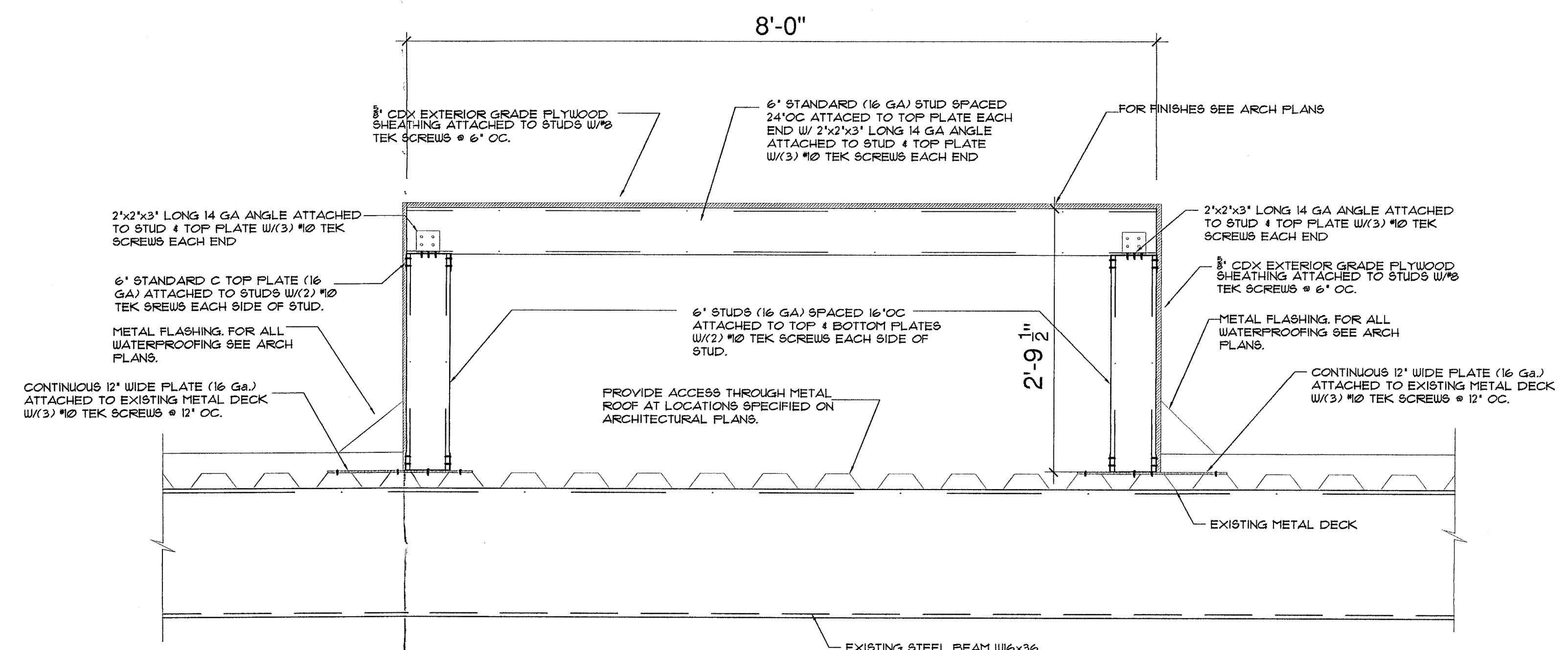
STEEL JOIST SECTION
SCALE: 1"=1'-0"



STEEL JOIST SECTION
SCALE: 1"=1'-0"



TOP & BOTTOM VIEW SECTION A-A



METAL FRAME SECTION
SCALE: 1"=1'-0"

TRANSFER BRIDGES
FOR
WACHOVIA ALTON ROAD
BRANCH TELLER
AT
1901 ALTON ROAD
MIAMI BEACH, FL

MARK	DATE	DESCRIPTION
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P.S.	PERMIT SET	
D.D.	DESIGN DEVELOPMENT	
P.H.	PUBLIC HEARING	
S.P.R.	SITE PLAN REVIEW	
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D.O.		DESIGN DEVELOPMENT
P.H.		PUBLIC HEARING
S.P.R.		SITE PLAN REVIEW
PROJECT No.		
DRAWN BY:		
CHECKED BY:		

SHEET TITLE
SECTIONS
S-3
SHEET OF



B1102100
1901 Atlantic
Office Copy

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

BUILDING:	<u>1/15/06/22/11</u>
ZONING:	<u>26/22/11</u>
DRB/HPB:	
CONCURRENCY:	
PLUMBING:	<u>1/06/22/11</u>
ELECTRICAL:	<u>06/22/11 NA</u>
MECHANICAL:	<u>06/22/11</u>
FIRE PREVENTION:	<u>06/22/11</u>
ENGINEERING:	<u>06/22/11</u>
PUBLIC WORKS:	<u>06/22/11</u>
STRUCTURAL:	<u>06/22/11</u>
ELEVATOR:	